DEPARTMENT OF BUILDING AND ZONING
OF COOK COUNTY, ILLINOIS

SUITE 2830 - 69 WEST WASHINGTON STREET CHICAGO, IL 60602 (312) 603-0500

DEPARTMENT OF BUILDING AND ZONING

ZBA

ALLOC CD	INVOICE NO	TRANS TYPE	CASE NUMBER	INVOICE DATE	AMOUNT DUE
4104	2613921	003	SU-26-0002	6/3/2026	$525.00

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COOK COUNTY COLLECTOR

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REMIT TO:

COOK COUNTY DEPARTMENT
OF BUILDING & ZONING
69 W. WASHINGTON, SUITE 2830
CHICAGO, ILLINOIS 60602-3169

CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON ROAD
BARRINGTON IL 60010

Receipt

Payment Date: 06/03/2026 04:23 PM CDT

Payment Status: AUTHORIZED

Confirmation Number: 221810473

Payment Method: Credit Card (VISA)**********3853

Bill To: Cristobal Rodriguez
15N803 Old Sutton Rd. , Barrington, IL - 60010United States of America

Payment Towards:	**BZ ZONING**	**Amount:**	**$525.00**
Zoning Case Number:	SU-26-0002	**Invoice Number:**	2613921
Property Index Number:	01-28-102-010-0000		

LexisNexis Amount:	$0.00
Total Amount:	**$525.00**

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DEPARTMENT OF BUILDING AND ZONING
OF COOK COUNTY, ILLINOIS

Timothy P. Bleuher
COMMISSIONER OF BUILDING AND ZONING
OF COOK COUNTY

County Administration Building
69 W. Washington, Suite 2830
Chicago, IL 60602-3169
TEL (312) 603-0500
FAX (312) 603-9940
TDD (800) 526-0857

TO: Honorable KEVIN B. MORRISON
Cook County Commissioner District 15

FROM: Rubina Alam RA
Zoning Administrator

DATE: June 4, 2026

RE: Special Use Application (SU-26-0002)
PIN # 01-28-102-010-0000
15 OLD SUTTON N BARRINGTON,

Pursuant to the captioned, please find attached a Special Use application for property in your District. The January, 2002 Zoning Ordinance mandates that this application be sent to the Commissioner in whose district the property is located.

This application is also being sent to the Cook County Zoning Board of Appeals. That office will set the date and time for the public hearing. If you need that information, please contact the Zoning Board of Appeals directly at (312)-603-0540.

If you have any other questions or I can be of further assistance, please do not hesitate to call me at (312)-603-0503.

Thank you.

DEPARTMENT OF BUILDING AND ZONING
OF COOK COUNTY, ILLINOIS

Timothy P. Bleuher
COMMISSIONER OF BUILDING AND ZONING
OF COOK COUNTY

County Administration Building
69 W. Washington, Suite 2830
Chicago, IL 60602-3169
TEL (312) 603-0500
FAX (312) 603-9940
TDD (800) 526-0857

June 4, 2026

TO: Cook County Zoning Board of Appeals

BY: CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON ROAD
BARRINGTON, IL60010

OWNER: CRISTOBAL RODRIGUEZ & LORENA E. GALVEZ
15N803 OLD SUTTON RD
BARRINGTON, IL 600109202

SUBJECT: SU-26-0002 Applicant seeks a Special Use for Unique use in R1 Single Family Residence District to operate a commercial truck parking business and a companion Variance (VA-26-0017) in section 28 of Barrington Township.

Fee of 525.00 Paid.

District 15 - KEVIN B. MORRISON

Rubina Alam
Rubina Alam
Zoning Administrator

Special Use # _____

APPLICATION FOR SPECIAL USE FOR UNINCORPORATED COOK COUNTY

APPLICANT INFORMATION

Name: Cristobal Rodriguez			
Address: 15N803 Old Sutton Road			
City: Barrington	State: IL	Zip: 60010	Phone: 224-629-7834

OWNER INFORMATION

Name: Cristobal Rodriguez and Lorena E. Galvez			
Address: 15N803 Old Sutton Road			
City: Barrington	State: IL	Zip: 60010	Phone: 224-629-7834
Applicant Is: ☑ Owner ☐ Attorney ☐ Other (specify)			
Date that present owner acquired legal title on subject property: August 13, 2019			

PROPERTY INFORMATION

Property Address: 15N803 Old Sutton Road		
City: Barrington	Township: Barrington	Present Zoning Classification: R-1
PIN#: 01 - 28 - 102 - 010 - 0000	Acreage of Property:	
Legal Description of Property **(See Attached)** See Exhibit A		
Location:		

Special Use # _____

APPLICATION FOR SPECIAL USE FOR UNINCORPORATED COOK COUNTY

REQUEST

The applicant requests approval of the location of the described property for the following use:

To improve upon the property with a gravel parking lot that will store and maintain commercial vehicles used in the course of their family-owned business.

Describe briefly the type of use and improvement proposal:

The property will be improved with a gravel parking lot, concrete barriers, greenery, and a gravel driveway.

REQUIREMENTS

One (1) set of the following documents must accompany this application:

- ☑ A. Registered surveyor's plat of survey
- ☑ B. Concept plan for proposed use
- ☑ C. Site Plan
- ☑ D. Planning Objective
- ☑ E. Development Schedule
- ☑ F. Environmental concerns and issues
- ☑ G. Utilities-existing and / or proposed
- ☑ H. Traffic Study / Issues
- ☐ I. Financial Impact
- ☑ J. Market Study

COUNTY OF COOK)
) s.s.
STATE OF ILLINOIS)

Cristobal Rodriguez, being first duly sworn, on oath deposes and says that all of the above statements and the statements contained in the documents submitted herewith are true.

Official Seal
Udaykumar Patel
Notary Public State of Illinois
My Commission Expires 3/29/2027

Cristobal Rodriguez
Signature of applicant

Signature of applicant

Subscribed and sworn to before me this

13th Day of May, 2026

Udaykumar Patel
Notary Public

Special Use # _____

STATEMENT OF EXISTING CONDITIONS ON PROPERTY

PIN# 01 - 28 - 102 - 010 - 0000		
Address 15N803 Old Sutton Road		
Township Barrington		
Are there existing structures or buildings on the site? ☑ Yes ☐ No		
If yes, describe Detached, one-story, residential home and garage		
Height (number of stories) 1	Area (cover the ground) 1,041	Type of Construction Frame
Will this building(s) be used if Map Amendment is granted ☐ Yes ☑ No		
If yes, what will be the intended use?		
Will the intended use of the building(s) conform to the occupancy requirements of the Cook County Building Ordinance? ☑ Yes ☐ No		

COUNTY OF COOK)
) s.s.
STATE OF ILLINOIS)

Cristobal Rodriguez, being first duly sworn, on oath deposes and says that all of the above statements and the statements contained in the documents submitted herewith are true.

Official Seal
Udaykumar Patel
Notary Public State of Illinois
My Commission Expires 3/29/2027

Cristobal Rodriguez
Signature of applicant

Subscribed and sworn to before me this

13th Day of May, 20 26

Udaykumar Patel
Notary Public

Office Use Only

Is the Property in a floodplain? ☐ Yes ☐ No
If yes, is a TOPO available ☐ Yes ☐ No

Special Use # _____

AFFIDAVIT

I, Cristobal Rodriguez, in regards to the request for a Special Use for a gravel parking lot for commercial vehicles on the property described in the attached application and survey do hereby state that to the best of my knowledge, information and belief:

a. Establishment, maintenance or operation of the special use will not be detrimental to or endanger public health, safety or general welfare.

b. Establishment, maintenance or operation of the special use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the uses already permitted, nor diminishes and impairs property values within the neighborhood.

c. Establishment, maintenance or operation of the special use will not impede the normal and orderly development and improvement of surrounding property for permitted uses.

d. Adequate utilities, access roads, drainage and other necessary facilities have been or are being provided.

e. Adequate measures have been, or will be, taken to provide ingress and egress designed to minimize traffic congestion in public streets.

f. Establishment, maintenance or operation of the special use shall in all other respects conform to all Cook County ordinances, unless otherwise authorized by the Cook County Board of Commissioners pursuant to the recommendation of the Zoning Board of Appeals.

Cristobal Rodriguez
(Signature of Applicant)

Cristobal Rodriguez
(Signature of Owner)

COUNTY OF COOK)
) S.S.
STATE OF ILLINOIS)

Subscribed and sworn to before me this
13th Day of May, 2026

Udaykumar Patel
Notary Public

Official Seal
Udaykumar Patel
Notary Public State of Illinois
My Commission Expires 3/29/2027

Special Use # _____

Property Address		
15N803 Old Sutton Road		
City Barrington	State IL	Zip 60010

I, Cristobal Rodriguez and, I, Cristobal Rodriguez

Property Owner (print) *Applicant (print)*

do hereby certify and attest that we are aware of Cook County Zoning Ordinance Article 13, which mandate that no Map Amendment and/or Special Use application shall be accepted or processed for approval while there exist pending judicial proceedings for violations of any Cook County Building and Zoning Ordinances. We hereby certify and attest that there are no pending judicial proceedings for violation of Cook County Building and Zoning Ordinance against the property described above.

We further acknowledge, by signature below, that we understand that if we resume illegal zoning activities after any violations have been adjudicated and remedied and while a Map Amendment and/or Special Use application is in process, the original Map Amendment and/or Special Use application will be declared null and void and the application process, including all notification requirements, must commence again and all application documents, including all filing fees, must be resubmitted and refilled with Cook County Zoning Administrator.

Cristobal Rodriguez
Signature of Owner

Official Seal
Udaykumar Patel
Notary Public State of Illinois
My Commission Expires 3/29/2027

Subscribed and sworn to before me this
13th Day of May, 2026

Udaykumar Patel
Notary Public

Cristobal Rodriguez
(Signature of Applicant)

Official Seal
Udaykumar Patel
Notary Public State of Illinois
My Commission Expires 3/29/2027

Subscribed and sworn to before me this
13th Day of May, 2026

Udaykumar Patel
Notary Public

Special Use # _____

Department of Building and Zoning
Applicant's Statement

1. I have in my possession a copy of the "Rules of Practice and Procedure" issued by the Zoning Board of Appeals.

2. I am aware that filing fees may not be refunded.

3. To the best of my knowledge, violation of the Cook County Zoning Ordinance now
___ DOES X DOES NOT exist on the subject property. If it does Violation #_____

4. To the best of my knowledge, no deed restrictions or private covenants prevent the use, change of zone, special use, or variation sought in this application.

5. As an applicant, I am a lawyer or have been advised of the recommendation of the Zoning Board of Appeals that I obtain legal counsel of my choice to assist me in the preparation and presentation of my case.

6. I have been informed that Public Hearing dates are set by the Zoning Board of Appeals and that I will receive Notice of that date by certified mail at least fifteen (15) days before the Public Hearing.

7. I am aware that I may arrange, or request the assistance of the Secretary of the Zoning Board in arranging for the attendance of a court reporter at the hearing at my expense. I understand that if a court reporter is not present or is unable to make a complex transcript of the entire hearing, regardless of length; my case might be adversely affected by the lack of a complete record of the hearing.

8. I acknowledge that it is my responsibility to prepare all exhibits, arrange for the appearance of qualified witnesses and to have at the Hearing all documents relevant to this case.

9. With respect to soil, water and fire matters:

   a. For the proposed P.U.D. (planned unit development), I am aware of the applicable ordinance, rules and regulations pertaining to water retention and run-off and understand that failure to prove compliance herewith, will result in denial of my P.U.D. application.

   b. Except in variation cases, at the hearing I will present evidence of having informed the jurisdictional fire protection district of my plans.

10. Planned Unit Development Applications: Applicant must submit a copy of the preliminary site plan, showing ingress, egress, drainage and parking to the Chief Engineer of the Transportation and Planning Bureau of the Cook County Highway Department for preliminary approval. A public hearing date will be set only upon the submission and approval of said plat.

11. I have been informed of the Zoning Board's presumption of the general desirability of planned developments, where appropriate, and will either seek a planned development, where appropriate, or will offer reasons at the hearing for its inappropriateness in my case.

Applicant Signature Cristal Rodriguez Date 5/13-/24

111 East Wacker Drive, Suite 2600
Chicago, IL 60601-4208
Tel: 312.527.4000 | Fax: 312.527.4011
taftlaw.com

Lenny D. Asaro
312.840.4392
LAsaro@taftlaw.com

May 26, 2026

BY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Notice of Filing of (1) Special Use for Unique Use Application and (2) Variance Application
Subject Property: 15N803 Old Sutton Road, Barrington, IL 60010

Dear Property Owner or Governmental Entity:

In accordance with Section 13.8.3 of the Cook County Zoning Ordinance, you are hereby notified that on or about May 18, 2026, Cristobal Rodriguez ("Owner"), the owner of the property located at 15N803 Old Sutton Road, Barrington, Illinois (the "Property"), filed the following applications with the Cook County Department of Building and Zoning: (1) Special Use for Unique Use Application and (2) Variance Application.

The purpose of the Special Use for Unique Use Application is to allow the Owner to park a maximum of 50 commercial dump trucks in connection with the operation its business at this location, which also serves as the Owner's principal residence. The area of the Property on which the trucks will be located is approximately 200 feet by 200 feet. Some of the trucks are used for the Owner's family-owned business which is the operation of dump trucks for construction projects.

The purpose of the Variance Application is to increase the height of a proposed accessory structure. The proposed structure is an approximately 3,000 SF garage to be located in the rear area of the Property. The garage will be for the exclusive use of the Owner. Pursuant to Section 8.6.1.A.3 of the Zoning Ordinance, the height of an accessory structure shall not exceed 15 feet or the height of the principal structure, whichever is less. The principal structure, which the Owner's single-family residence, is less than 15 feet in height. The proposed garage will be 20 feet 2 inches in height.

Please note that the Owner is NOT seeking to purchase or rezone your property. As an applicant, the Owner is required by law to notify you because your property is

located within 250 feet of the Property, excluding public streets, alleys and other public ways.

Please contact the Owner's attorney, Lenny D. Asaro, at (312) 840-4392 or lasaro@taftlaw.com should you have any questions or concerns.

Sincerely,

Taft Stettinius & Hollister LLP

/s/ Lenny D. Asaro

Lenny D. Asaro

LDA

01-28-100-003-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-019-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-020-0000
EUGENIU CATAREV
1436 YORKSHIRE DRIVE
STREAMWOOD, IL 60107

01-28-102-017-0000
DAVID SANFILIPPO
1539 AYRESHIRE CT
PALATINE, IL 60067

01-28-102-009-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-500-002-0000
CANADIAN NATIONAL RAILWAYS
17641 S Ashland Ave
Homewood, IL 60430

01-28-102-011-0000
MILLER BROS LANDSCAPNG
15 N 701 OLD SUTTON RD
BARRINGTON, IL 60010

01-28-101-003-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-010-0000
CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON RD
BARRINGTON, IL 60010

CLERK OF BARRINGTON HILLS
NIKKI PANOS
112 ALGONQUIN ROAD
BARRINGTON HILLS, IL 60010

CLERK OF HOFFMAN ESTATES
PATTY RICHTER
900 HASSELL ROAD
HOFFMAN ESTATES, IL 60169

CLERK OF BARRINGTON TOWNSHIP
DANIEL P. FITZGERALD
602 S. HOUGH STREET
BARRINGTON, ILLINOIS 60010

CLERK OF SOUTH BARRINGTON
DR. MARILYN STAGNO
30 S. BARRINGTON ROAD
SOUTH BARRINGTON, IL 60010

COMMUNITY UNIT SCHOOL DIST. 220
SUP. DR. CRAIG WINKELMAN
515 W. MAIN STREET
BARRINGTON IL 60010

DIST. 300
SUP. DR. MARTINA SMITH
2550 HARNISH DRIVE,
ALGONQUIN, IL 60102

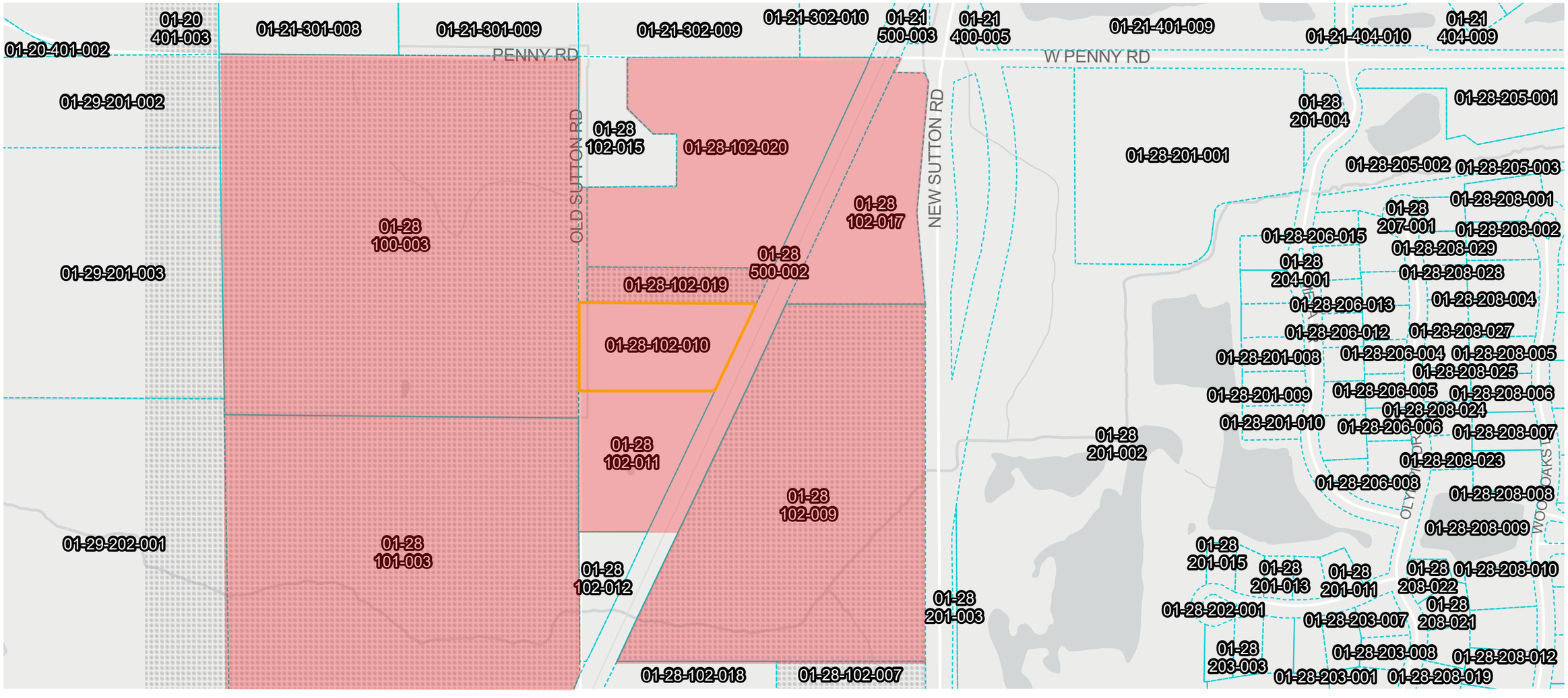
BARRINGTON COUNTRYSIDE FIRE PROTECTION DIST.
1004 S. HOUGH STREET
BARRINGTON, IL 60010

BARRINGTON TWNSHP HWY COMMISSIONER
THOMAS J. PODGORSKI
28000 W. CUBA ROAD
BARRINGTON, IL 60010

CookViewer

Cook County Parcel Viewer

Map



Legend

Selected Parcels

Source Parcel

Parcels Current

0 295 590 1,180 1,770 2,360 Feet

N

Map generated from CookViewer, Cook County's Parcel Viewer application maintained by the Bureau of Technology's GIS Division. For parcel and property identification number (PIN) questions, contact the Cook County Clerk's Office. For property detail and assessment questions, contact the Cook County Assessor's Office. For property tax bill questions, contact the Cook County Treasurer.

APPLICANT'S WRITTEN STATEMENT AND EVIDENCE ESTABLISHING THAT THE PROPOSED SPECIAL USE WILL CONFORM TO THE STANDARDS SET FORTH IN ARTICLE 13.8.9.A.1-6

APPLICANT: Cristobal Rodriguez

SUBJECT PROPERTY: 15N803 Old Sutton Road Barrington, Illinois 60010

PROPOSED SPECIAL USE: Gravel parking lot to be used to store and maintain commercial vehicles used in the course of the Applicant's family-owned business. The Applicant resides on the Subject Property.

BACKGROUND: Applicant and his family reside at the Subject Property. Applicant and his wife, Lorena Galvez own and operate Jakalo Trucking ("Jakalo"). Jakalo operates six dump trucks. This company works primarily with roadway improvement projects which includes 40 feet long dump trucks hired by contractors deliver needed construction materials to their job sites. They also haul construction debris to dump sites. Presently, Jakalo is renting offsite a 150-foot square area of the property located at the northwest corner of West Higgins Road and Old Sutton Road. Jakalo parks their 6 dump trucks and rent truck storage parking stalls 50 feet long by 12 feet wide for 18 additional trucks. However, continued operations at this location poses financial and physical challenges that will be alleviated with the approval of the application for special use. Jakalo is the primary source of income for Applicant and his family.

In 2019, Applicant purchased the Subject Property. The Subject Property is located on the east side of Old Sutton Road, which has a 66 foot right-of-way. The north property line of the Subject Property is located 891.25 feet south of the intersection of Penny Road with Old Sutton Road and has 338.06 feet of frontage on Old Sutton Road. Its north property line extends 651.22 feet from the centerline of Old Sutton Road east, to the west property line of the Elgin, Joliet and Eastern Railroads' 100 foot right-of-way. The east property line angles westerly 377.47 feet to the southeast corner of the Subject Property. The sites' south property line, nearly parallel with the north property line extends westerly back 492.88 feet from the railroad right-of way to the centerline of Old Sutton Road. The area of the site is 191,969 square feet, which is 4.41 acres.

The special use permit is to able to park Applicant's company dump trucks on a properly engineered gravel parking area. In addition, he desires to have the gravel parking area designed to allow Jakalo Trucking Company to rent an additional 44 dump truck storage, parking stalls. There will be no storage of tires or truck debris on the property. The truck movement will be primarily Monday through Friday in the morning from approximately 6:30 to 7:30 am and in the afternoon from approximately 4:00 to 5:00 pm. If the application is

granted, Applicant will be able to store up to 50 trucks on the gravel parking lot. A gravel driveway currently exists. This gravel driveway would lead to the parking lot. The proposed parking lot is approximately 200 feet by 200 feet. Most employees would be on site for less than an hour at a time based on the nature of the business.

Section 13.8.9.A.1: Establishment, maintenance or operation of the special use will not be detrimental to or endanger the public health, safety, or general welfare. In support of this application, Applicant submits the following expert reports: (1) Land Use Report prepared by appraiser Neil Renzi, MAI ("Land Use Report"); (2) Traffic Study Memorandum prepared by Luay R. Aboona, PE, PTOE of KLOA ("Traffic Study") and (3) Construction Stormwater Pollution Prevention Plan ("Construction SWPPP" together with the Land Use Report and Traffic Study hereinafter collectively referred to as the "Expert Reports"). The proposed special use for truck parking will not be detrimental to or endanger the public health, safety or general welfare for the following reasons.

The Land Use Report. The appraiser concludes that the proposed special use is compatible with the immediate neighbors and meets the concerns of the Zoning Board of Appeals. The appraiser inspected the Subject Property, immediately adjacent areas and general areas surrounding the Subject Property. There are seven properties in unincorporated Cook County located in immediate or close proximity to the Subject Property. These properties are being used for landscaping businesses. There will be no oil changes or servicing trucks on this site. There will be no repairs done to the trucks on this site.

There will be no storage of used or new tires on this site. No run down trucks will be kept on this site. There will be a 6-foot decorative fence which completely obscures the view from the public road. The fence is metal with wooden posts. It has an aesthetically pleasing design of several stars in order to be consistent with the surrounding neighborhood.

A 20'0-foot-wide gate allows access into the parking lot. This gate would remain locked at all times other than when trucks are entering and exiting. Trucks would only enter and exit the Property between the hours of 7:00AM to 8:00AM and 6:00PM to 7:00PM. Trucks would primarily exit onto Southbound Old Sutton Road in order to access Illinois Route 72 – Higgins Road or Interstate 90. Trucks would enter and exit the Property empty of any materials. No debris would be stored on the property.

The truck parking plan would allow for three rows of trucks to be parked. Each space would be approximately 12'0 feet wide and 60'0 feet in length. There is a 30'0-foot setback from the southern neighbor. There is approximately 100'0-foot setback from the northern neighbor. The closest parking space to the western neighbor is approximately 53'0 feet.

Construction SWPPP. The SWPPP has been completed in accordance with the requirements outlined in the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 for Stormwater Discharges for Construction Site Activities. The plan complies with all federal, state, and local regulations pertaining to this construction project. No grading activities will occur during construction. Slopes are anticipated to remain the same as prior to construction. No soil stockpiling or material storage will occur on-site during construction. Vehicles that exit the site will go through the Truck Clean Off/Inspection Area. This practice will minimize sediment track-out and the generation of dust with the application of water. If an excess amount of sediment accumulates on the public road, the project site manager will designate someone to sweep the roads. The excavation of existing topsoil will be constrained to a limited area of approximately 1 acre. Only the required roadways onsite will be affected. Topsoil outside of the property will be not disturbed. Existing vegetation in the surrounding property (wooded areas) will not be disturbed. Grasses that exist along the property line will be reseeded, providing a non-erosive cover which will minimize erosion and the generation of sediment. Straw bales will be placed appropriately on-site. The site has limited slopes and elevations, which slows down the velocity of runoff. The property will release runoff to the southeast corner of the site.

Silt fencing will be installed along the north and east boundary of the property, where stormwater flow is directed. The silt fence location is depicted in Figure 2 of Appendix A. It will be inserted along the property on the north side of the property from the fence line to the eastern portion of the silt fence. The eastern portion of the silt fence will be on the west side of the tree line running along the railroad tracks.

Best Management Practices (BMPs) are in place to minimize the potential for contamination of runoff from pollutants located at the construction site. Potential pollutants include gasoline, hydraulic oil, transmission oil, antifreeze/coolant, diesel fuel, motor oil, greases, and/or construction products.

On-site personnel will have access to the necessary spill cleanup and containment equipment, such as: oil absorbent materials, brooms, shovels, rakes and containers to properly handle and dispose of any generated wastes.

All on-site personnel will be educated about these species and will be instructed to contact the Department immediately if they are encountered in the project area. Personnel will complete the daily inspection form.

No polymer flocculants or treatment chemicals will be utilized on-site.

All waste materials will be collected and stored in secure, lidded, metal dumpsters supplied by the local licensed solid waste management company near the construction location. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed. No construction waste materials will be buried on-site.

An existing structure onsite contains facilities that properly dispose of sanitary/septic wastes.

Traffic Study. The Traffic Study did not discover any basis that would indicate the proposed special use will be detrimental to or endanger the public health, safety, or general welfare. Based on the proposed development plan and the consultant's evaluation, the following conclusions and recommendations are made: (1) The volume of traffic that will be generated by the proposed facility will be low and will not have a significant impact on area roadways; (2) Access to the proposed facility will be provided off Old Sutton Road and will be adequate in accommodating the traffic projected to be generated by the proposed development and (3) The projected traffic volumes were compared to the left-turn lane warrants and the results indicated that a left-turn lane is not warranted during either peak hour.

Section 13.8.9.A.2: Establishment, maintenance or operation of the special use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the uses already permitted, nor diminishes and impairs property values within the neighborhood. The proposed use would not diminish nor impair property values within the neighborhood because the proposed use is similar to existing businesses in the surrounding area. Further, there would be no impact to the normal and orderly development of surround areas. See statements above regarding Section 13.8.9.A.1 and Expert Reports.

Section 13.8.9.A.3: Establishment, maintenance or operation of the special use will not impede the normal and orderly development and improvement of surrounding property for permitted uses. The proposed special use will not impede the normal and orderly development and improvement of surrounding property for permitted uses. See statements above regarding Section 13.8.9.A.1 and Expert Reports.

Section 13.8.9.A.4: Adequate utilities, access roads, drainage and other necessary facilities have been or are being provided. Adequate utilities, access roads, drainage and other necessary facilities have been or are being provided. See statements above regarding Section 13.8.9.A.1 and the Traffic Study and Construction SWPPP.

Section 13.8.9.A.5: Adequate measures have been or will be, taken to provide ingress and egress designed to minimize traffic congestion in public streets. Adequate

measures have been or will be, taken to provide ingress and egress designed to minimize traffic congestion in public streets. Section 13.8.9.A.1 and the Traffic Study.

Section 13.8.9.A.6: Establishment, maintenance or operation of the special use shall in all other respects conform to all Cook County ordinances, unless otherwise authorized by the Cook County Board of Commissioners pursuant to the recommendation of the Zoning Board of Appeals. In summary, the proposed special use will conform to all Cook County ordinances. See statements above regarding Section 13.8.9.A.1 and the Expert Reports.

Section 8.9.8.B.2: Special and extraordinary need for the unique use including proof of unique characteristics of the subject property, proposed use and surrounding neighborhood. The proposed unique use is a gravel parking lot to store commercial vehicles used in the course of the Applicant's family-owned business. Applicant has a need for this unique use for several reasons. Applicant resides on the Subject Property. As stated above in the Background section of this narrative, Applicant, Cristobal Rodriguez, and his wife, Lorena Galvez own and operate the trucking company, Jakalo. They reside at the Subject Property. The company operates six dump trucks. This company works primarily with roadway improvement projects which includes 40 feet long dump trucks hired by contractors deliver needed construction materials to their job sites. They also haul construction debris to dump sites. Presently, Jakalo is renting offsite a 150-foot square area of the property located at the northwest corner of West Higgins Road and Old Sutton Road. Jakalo parks its 6 dump trucks and rents truck storage parking stalls 50 feet long by 12 feet wide for 18 additional trucks. However, continued operations at this off-site location poses financial and physical challenges that will be alleviated with the approval of the application for special use. The financial challenges include, but are not limited, to Jakalo's lack of control over rent the landlord charges for the off-site location. Rental increases jeopardize the viability of Jakalo's business. Jakalo is the primary source of income for Applicant and his family. If the application is granted, Applicant will be able to store up to 50 trucks on the gravel parking lot. Having control over the location where Jakalo houses its trucks will be preserve the viability of its family-owned business. In 2019, Applicant purchased the Subject Property.

The subject property is unique, the proposed use is unique and characteristics of the surrounding neighborhood are unique as evidence in part on the expert report of appraiser, Neil Renzi, MAI. The subject property is located in unincorporated Cook County. The proposed special use is compatible with the immediate neighbors and meets the concerns of the Zoning Board of Appeals. The appraiser inspected the Subject Property, immediately adjacent areas and general areas surrounding the Subject Property. There are seven properties in unincorporated Cook County located in immediate or close proximity to the

Subject Property. These properties are being used for landscaping businesses. There will be no oil changes or servicing trucks on this site. There will be no repairs done to the trucks on this site.

There will be no storage of used or new tires on this site. No run down trucks will be kept on this site. There will be a 6-foot decorative fence which completely obscures the view from the public road. The fence is metal with wooden posts. It has an aesthetically pleasing design of several stars in order to be consistent with the surrounding neighborhood.

A 20'0-foot-wide gate allows access into the parking lot. This gate would remain locked at all times other than when trucks are entering and exiting. Trucks would only enter and exit the Property between the hours of 7:00AM to 8:00AM and 6:00PM to 7:00PM. Trucks would primarily exit onto Southbound Old Sutton Road in order to access Illinois Route 72 – Higgins Road or Interstate 90. Trucks would enter and exit the Property empty of any materials. No debris would be stored on the property.

The truck parking plan would allow for three rows of trucks to be parked. Each space would be approximately 12'0 feet wide and 60'0 feet in length. There is a 30'0-foot setback from the southern neighbor. There is approximately 100'0-foot setback from the northern neighbor. The closest parking space to the western neighbor is approximately 53'0 feet.

Section 8.9.8.B.3: The unique use will be an affirmative benefit to the surrounding properties and neighborhood from a land use and economic standpoint. Applicant incorporates herein its response to the aforementioned criteria, in particular Sections 13.8.9.A.1, Section 13.8.9.A.2 and Section 8.9.8.B.2. There are seven properties in unincorporated Cook County located in immediate or close proximity to the Subject Property. These properties are being used for landscaping businesses. These uses have been in existence for some time and the proposed use of the Applicant's property is generally consistent with these types of limited light non-residential use. The proposed use will not be disruptive to the use of the surrounding properties or neighborhood from a land use and economic standpoint. To the contrary, the proposed use will be generally consistent.

Legal Description of 15N803 Old Sutton Road Barrington, IL 60010:

That part of the South 13 acres of the North East quarter of the North West quarter of Section 28, Township 42 North, Range 9, East of the Third Principal Meridian, which lies Westerly of the Westerly right of way line of the Elgin, Joliet and Eastern Railroad (except the South 84.55 feet thereof) in Cook County, Illinois.

Permanent Tax Number: 01-28-102-010-0000

Leadership

Toni Preckwinkle
President
Cook County Board of Commissioners

Erik Mikaitis, MD, MBA
Interim Chief Executive Officer
Cook County Health

LaMar Hasbrouck, MD, MPH, MBA
Chief Operating Officer

Board of Directors

Lyndon Taylor
Chair of the Board

Hon. Dr. Dennis Deer, LCPC, CCFC
Vice Chair of the Board

Jay Bhatt, DO, MPH, MPA
Robert Currie
Raul Garza
Joseph M. Harrington

Robert G. Reiter, Jr.
Sam A Robinson, III, PhD
Tanya R. Sorrell, PhD, PMHNP-BC
Mia Webster Cross, MSN, RN

May 24, 2024

Cristobal Rodriguez
15N803 N. Old Sutton Road
Barrington, IL 60010

RE: Cook County Department of Public Health private sewage disposal system (septic) and well review towards development of a truck lot, truck maintenance building and logistics operation business proposal at 15N803 N. Old Sutton Road, Barrington (unincorporated), Illinois The eastern section of PIN: 01-28-102-010-0000

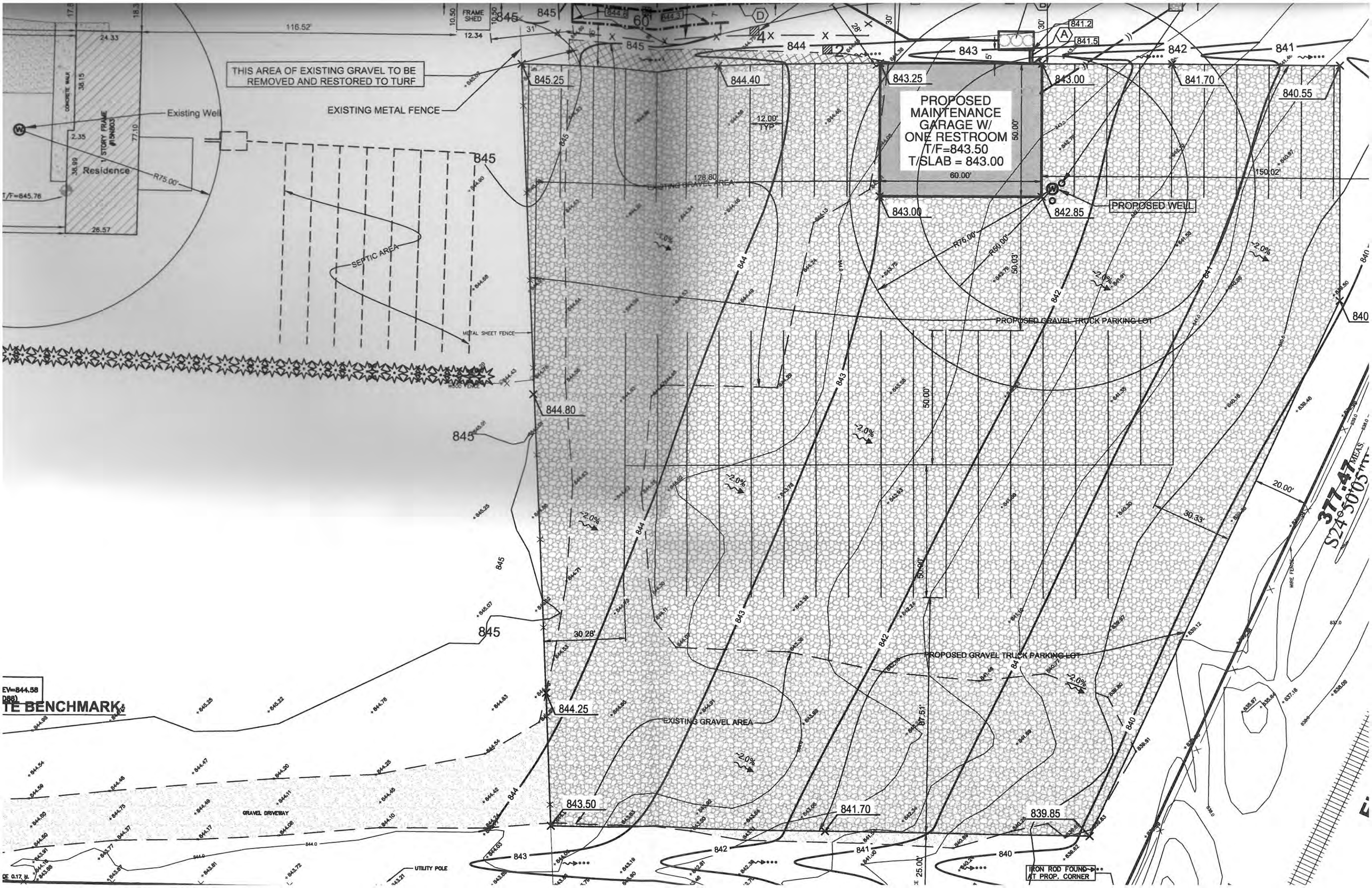
Dear Mr. Rodriguez,
The Cook County Dept. of Public Health (Department/CCDPH) has reviewed the request to develop a truck trailer lot, truck maintenance building, logistics operation business, vehicle storage/rental lot and other related operation at 15N803 N. Old Sutton Road, Barrington, Illinois otherwise contained in the PIN: 01-28-102-010. As part of this review we have looked at a proposed septic plan, water well location, drainage and storm water management features of the proposal, and the water system as a potential non-community public water system. We give our APPROVAL towards the development of the property and zoning changes. We find based on the proposal that a septic and well will be achievable, sized and spaced adequately to serve the property for its proposed development.
This approval is towards the zoning change and its proposed development as a truck lot and logistics business. It is not an approval on an actual septic or well CCDPH permit, or change approval. Review on the well and septic plans' details is a separate review and approval process, which must be addressed through contacting me directly.

If you need to contact me, please don't hesitate to do so at (847) 818-2841 or email: joseph.durczak@cookcountyhealth.org

Sincerely,

Joe Durczak, MS, LEHP
Private Sewage Disposal and Water Program Manager

Cook County Department of Public Health
2121 Euclid Ave., Room 250
Rolling Meadows, IL 60008


THIS AREA OF EXISTING GRAVEL TO BE REMOVED AND RESTORED TO TURF
EXISTING METAL FENCE
Existing Well
Residence
1 STORY FRAME
CONCRETE WALK
T/F=845.76
R75.00'
116.52'
24.33
38.15
77.10
38.99
26.57
FRAME SHED
12.34
10.50
SEPTIC AREA
METAL SHEET FENCE
WIRE FENCE
PROPOSED MAINTENANCE GARAGE W/ ONE RESTROOM
T/F=843.50
T/SLAB = 843.00
60.00'
50.00'
12.00' TYP.
128.80
EXISTING GRAVEL AREA
PROPOSED WELL
PROPOSED GRAVEL TRUCK PARKING LOT
R75.00'
R50.00'
50.03'
150.02'
87.51'
30.28'
30.33'
20.00'
25.00'
-2.0%
845.25
844.40
843.25
843.00
841.70
840.55
842.85
844.80
844.25
843.50
841.70
839.85
841.2
841.5
377.47 MEAS.
S24°50'05"W
EV=844.58
TE BENCHMARK
GRAVEL DRIVEWAY
UTILITY POLE
IRON ROD FOUND AT PROP. CORNER

PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 OLD SUTTON RD BARRINGTON, IL 60010

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES OF THE LOCAL JURISDICTION , CITY OF SAINT CHARLES AND THE STATE OF ILLINOIS AT THE TIME OF PERMIT AND CONSTRUCTION.

2. ALL INTERIOR DIMENSIONS ARE TO THE ROUGH FACE OF THE WALL, UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.

4. VARIATIONS IN THE FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IN WRITTEN. WORK SHALL NOT PROGRESS UNTIL CLARIFICATION FROM THE ARCHITECT IS OBTAINED.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS BY INDIVIDUAL SUB-CONTRACTORS SHALL BE REMOVED FROM THE BUILDING AND ADJOINING PROPERTY ON A DAILY BASIS.

6. ALL WORK SHALL BE ERECTED PLUMB, LEVEL AND TRUE AND IN ACCORDANCE WITH DETAILS. EXCESSIVELY SCUFFED, SCRATCHED, DENTED OR OTHERWISE DAMAGED FINISHED SURFACES MUST BE REPAIRED OR REPLACED AS DIRECTED BY OWNER.

7. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND CONSTRUCTION PRIOR TO EXCAVATION AND NOTIFY ARCHITECT UPON FINDING ANY SUCH ADVERSE CONDITIONS/ CONSTRUCTION (CALL J.U.L.I.E.).

8. EXCAVATOR, CONCRETE CONTRACTOR AND G.C. TO NOTIFY UTILITY COMPANIES PRIOT TO EXCAVATING FOR GAS, WATER, ELECTRIC, SEWER, CABLE AND TELEPHONE LINES (CALL J.U.L.I.E.).

9. EXCAVATING CONTRACTOR RESPONSIBLE FOR ROUGH GRADING. LANDSCAPE CONTRACTOR RESPONSIBLE FOR FINISH GRADING.

10. DO NOT SCALE DRAWINGS. LARGE SCALE DRAWINGS AND DETAILS GOVERN OVER SMALLER SCALE DRAWINGS.

11. FLASHING TO BE PROVIDED AT ALL EXTERIOR OPENINGS, INCLUDING WINDOW HEADS, HORIZONTAL WOOD TRIM, STOPS, WINDOW AND DOOR SILLS, AT BOTTOM OF ALL CAVITY WALLS, AT ALL ROOF VALLEYS AND AT CHIMNEY INTERSECTIONS AND SHALL BE INSTALLED IN SUCH A MANNER TO BE LEAK PROOF.

12. EXCAVATE LOOSE FILL AND PROVIDE COMPACTED FILL TO LEVEL OF CRUSHED GRAVEL.

13. SMOKING IS PROHIBITED IN BUILDING OR ON SITE EXCEPT FOR DESIGNATED SMOKING AREAS.

14. ALL NAILS, SCREWS, ETC. SHOULD BE SECURED DAILY.

15. ALL PERMIT FEES OR BUSINESS LICENSES TO BE PAID BY RESPECTIVE SUB-CONTRACTORS.

16. OWNER SHALL PAY THE GENERAL BUILDING PERMIT FEE.
17. THE GENERAL CONTRACTOR SHALL PROVIDE A "PORT-A-JOHN" FOR USE DURING THE DURATION OF CONSTRUCTION. THE LOCATION SHALL BE APPROVED BY THE OWNER.

18. "ABC" FIRE EXTINGUISHERS TO BE VISIBLE & ACCESSIBLE WHERE REQUIRED.

19. THE SUB-CONTRACTORS SHALL NOTIFY THE OWNER IF DRIVEWAY, ELECTRICAL POWER OR PLUMBING SUPPLIES WILL BE OUT OF SERVICE FOR A PERIOD GREATER THAN SIX HOURS. THIS NOTICE SHOULD BE GIVEN 24 HOURS IN ADVANCE.

20. ALL INTERIOR FINISHES TO MEET CLASS 1 FLAME SPREAD (0-25 F.S.R.).

21. ALL EXIT DOORS TO BE KEYLESS IN THE DIRECTION OF EXIT.

22. ALL CONTRACTORS, SUB-CONTRACTORS, AND SUPPLIERS MUST HAUL AWAY A GARBAGE, DEBRIS, AND SCRAPS RESULTING FROM THEIR WORK AT THE SITE. THE ABOVE MUST BE SWEPT UP AT THE END OF EACH DAY AND HAULED AWAY. NO DEBRIS SHALL BE PLACED FOR REMOVAL BY THE OWNERS SITE GARBAGE COLLECTION SERVICE. ANY DEBRIS LEFT BY CONTRACTORS, SUB-CONTRACTORS, OR SUPPLIERS SHALL HAULED AWAY AT THEIR EXPENSE.

23. ROUGH CARPENTER TO PROVIDE 2X12 BLOCKING AT ALL BATH ACCESSORY LOCATIONS, ACCESSIBILITY HANDRAIL LOCATIONS, AND ALL CLST. SHELF LOCATIONS.

24. ALL FINISH WOOD FLOOR AND WOOD TRIM MATERIAL TO BE ON SITE TO ACCLIMATE MIN. 7 DAYS PRIOR TO INSTALLATION.

25. FOR ALL OWNER SUPPLIED ITEMS TO BE DELIVERED F.O.B. TAILGATE, CONTRACTOR IS RESPONSIBLE FOR LOADING AND STORAGE OF MATERIALS.

26. COORDINATE DOOR HARDWARE TYPE WITH OWNER/ARCHITECT PRIOR TO BORING DOORS.

27. "JOB COPY" ORIGINAL PERMIT DRAWINGS AND THE ORIGINAL PERMIT CARD TO BE KEPT AT THE JOB SITE AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

28. ALL CONTRACTORS AND SUB-CONTRACTORS RESPONSIBLE FOR ALL APPLICABLE PERMITS, BONDS, AND INSURANCE. CONTRACTOR TO SAVE AND PROVIDE TO OWNER ALL PAPERWORK AND LITERATURE PROVIDED WITH ANY OWNER AND/OR CONTRACTOR SUPPLIED ITEM.

29. THE G.C. SHALL NOT PROCEED WITH ANY ADDITIONAL WORK OR CHANGES FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE ORIGINAL CONTRACT AMOUNT, WITHOUT WRITTEN AUTHORIZATION FROM OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

30. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/OWNER.
31. PROVIDE EXPANSIVE "FIRE-STOP" PUTTY AT ALL THROUGH-PLATE PENETRATIONS AND 2X4 BLOCKING AT ALL SOFFITS. FIRESTOPPING SHALL BE PROVIDED AT ALL JUNCTIONS OF VERTICAL AND HORIZONTAL INCLOSED SPACES, SUCH AS TOPS OF STAIRS, BOT. OR BACK SIDES OF SOPHIST, TOPS OF PLUMBING WALLS, ETC.

32. ALL FLOOR FINISHES SHALL HAVE F.S.R. NOT GREATER THAN 75.

33. THESE DRAWINGS INDICATE THE INTENT, GENERAL CHARACTER, REQUIREMENTS AND APPROXIMATE LOCATION OF THE WORK SHOWN. THE CONTRACTOR SHALL BE EXPECTED TO WORK WITH UNFORESEEN FIELD CONDITIONS, REQUIRING MINOR DESIGN ADJUSTMENTS AND SHALL BE EXPECTED TO PROVIDE A FULLY COMPLETE AND OPERATIONAL BUILDING AND ALL BUILDING SYSTEMS.

34. ALL CONTRACTORS SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ARCHITECT AND THEIR AGENTS FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY FEES ARISING OUT OF PERFORMANCE OF THE WORK WHEN ANY SUCH CLAIMS ARE ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DEATH, INJURY OR DESTRUCTION TO PROPERTY OR WHEN SUCH CLAIMS ARE CAUSED IN PART OR IN FULL BY ANY NEGLIGENCE OR OMISSION BY THE CONTRACTOR OR HIS AGENTS. THIS NEGLIGENCE INCLUDES FAILURE TO OBSERVE CONTRACT DOCUMENTS PROVIDED BY ARCHITECT.

35. ALL CONTRACTORS TO VISIT PREMISE, NOTE CONDITIONS PERTAINING TO WORK TO BE DONE, CHECK AND VERIFY ALL NOTES, FIGURES AND DIMENSIONS AT THE SITE BEFORE FABRICATING ANY NEW CONSTRUCTION. VARIATION IN FIELD CONDITIONS RELATIVE TO CONTRACT DOCUMENTS SHALL BE REPORTED TO ARCHITECT IN WRITING, AND WORK SHELL NOT PROGRESS UNTIL PERMISSION FROM ARCHITECT OR HIS AGENT IS OBTAINED.

36. ALL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS & ELEVATIONS AT THE SITE AND MUST ADOPT HIS WORK TO ACTUAL CONDITIONS IN MANNER APPROVED BY ARCHITECT AT NO ADDITIONAL COST TO OWNER.

37. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH CONTRACT DOCUMENTS, UNRELIEVED BY REVIEW BY SHOP DRAWINGS; FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS; FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING SCAFFOLDING, BRACING, ERECTION, ETC); FOR COORDINATION OF THE VARIOUS TRADES; FOR SAFE CONDITIONS ON JOB SITE; AND FOR THE PEOPLE AND PROPERTY AT THE SITE

38. INFORMATION CONTAINING ON THE DRAWING IS IN ITSELF INCOMPLETE, AND VOID UNLESS USED IN CONJUNCTION WITH ALL SPECIFICATIONS, TRADE PRACTICES, AND APPLICABLE STANDARDS, CODES, ETC. INCORPORATED THEREIN BY REFERENCE OF WHICH THE CONTRACTOR CERTIFIES KNOWLEDGE BY SIGNING THE CONTRACT

SITE NOTES:

1. CALL 'HOTLINE' TO HAVE EXISTING UNDERGROUND UTILITIES LOCATED.

2. VERIFY UTILITY CONNECTIONS WITH UTILITY'S CO.

3. GENERAL CONTRACTOR TO PATCH AND MATCH ALL EXISTING SIDEWALKS, CURBS, AND PAVING DEMOLISHED FOR UTILITY WORK. ALL WORK TO MEET EXISTING PROFILES AND ALL ILLINOIS STANDARDS FOR PAVING WORK.

4. SLOPE GRADE MINIMUM 6" IN FIRST 10 FEET AWAY FROM BUILDING.

5. GRADE TO BE 6" BELOW FLOOR LINE, EXCEPT AT ENTRY.

6. ALL CONCRETE WORK SHALL COMPLY WITH CURRENT A.C.I. STANDARDS.

7. ALL EXIT DOORS, THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THRESHOLD (MAX. 1/2" HIGH).

8. SLOPE ALL CONCRETE STOOPS AND WALKS AWAY FROM BUILDING - MIN. 1/4" PER FOOT - BROOM FINISH.

9. VERIFY AND PROTECT ALL EXISTING UTILITIES.

10. PAINT ALL EXPOSED METAL NOT PRE-FINISHED.

11. PAINT 4" WIDE PARKING STALL STRIPES.

12. CONTRACTOR SHALL RESTORE EXISTING LAWN AREAS, CONCRETE SLABS, CURBS, PAVEMENT, ETC. DAMAGED BY OR DURING CONSTRUCTION.

CARPENTRY NOTES:

1. INSTALL DOUBLE FRAMING AROUND ALL FLOOR OR ROOF OPENINGS OR AS INDICATED, INCLUDING STAIRS OPENINGS AND ACCESS PANELS.

2. DO NOT CUT OR DRILL THROUGH THE BOTTOM THIRD OF ANY BEAM OR JOIST.

3. AN INSPECTION OF FLOOR JOISTS MUST BE CONDUCTED BEFORE COVERING WITH SHEATHING

4. DRYWALL NOTE: USE 5/8" GYPSUM BOARD THROUGHOUT, USE FIRECODE TYPE 'C' AT STAIRS, CEILINGS AND BEARING WALLS

LUMBER NOTES:

1. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE WOLMANIZED LUMBER

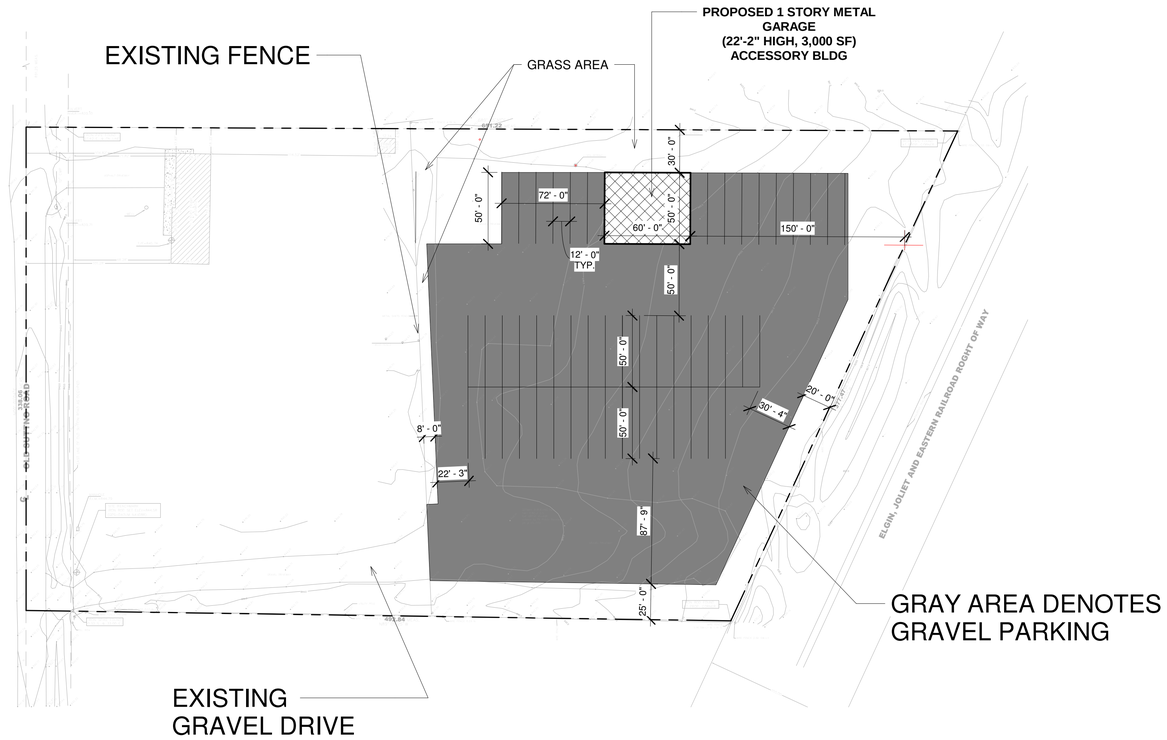
2. PIPE SHAFTS AND DUCTS PASSING FROM ONE FLOOR TO ANOTHER SHALL BE ENCLOSED WITH CONSTRUCTION PROVIDING FIRE RESISTANCE OF NOT LESS THAN ONE HOUR EXCEPT THAT PIPES AND DUCTS REQUIRING OPENINGS THROUGH FLOORS NOT EXCEEDING 9 SQ.FT. IN AREA SHALL NOT REQUIRE ENCLOSURE; PROVIDED, THAT OPENINGS BETWEEN SUCH PIPES OR DUCTS AND THE FLOOR CONSTRUCTION SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIALS SECURELY HELD IN PLACE TO PREVENT THE PASSAGE OF FIRE

SUPERVISION NOTES:

THESE PLANS WHERE PREPARED BY THE ARCHITECT FOR DESIGN ONLY. NO SUPERVISION BY THE ARCHITECT SHELL BE PROVIDED AT THE JOB SITE. THE WORK IN PROGRESS OR SCHEDULING ANY WORK RESPECTIVE TO THE JOB SHALL NOT BE GOVERNED BY ARCHITECT.

STRUCTURAL GENERAL NOTES:

1. CONTRACTOR SHALL MAINTAIN ADEQUATE PROTECTION OF ALL WORK FROM DAMAGE AND PROTECT OWNER'S PROPERTY FROM INJURY OR LOSS ARISING IN CONNECTION WITH THIS WORK.
2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES AND COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL LAWS TO PREVENT ACCIDENT OR INJURY TO PERSONS OR ADJACENT TO THE AREA WHERE THIS WORK BEING PERFORMED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ARCHITECT OF DISCREPENCIES BEFORE DOING ANY WORK.
4. ALL CONCRETE REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE AMERICAN CONCRETE INSTITUTE ACI-315 AND THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI-318-89.
5. ALL CONCRETE SHALL BE REGULAR WEIGHT (144 PSF) CONCRETE AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 LBS. PER SQ. INCH AT 28 DAYS. MINIMUM CEMENT CONTENT 5 BAGS PER CU. YD.
6. ALL CONCRETE REINFORCING SHALL BE DEFORMED BARS - A.S.T.M. A615 GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
7. ALL STRUCTURAL STEEL BEAMS AND LINTELS SHALL BE A36 STEEL.
8. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE STEEL CONSTRUCTION MANUAL OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
9. ALL BOLTS SHALL BE A.S.T.M. A307.
10. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS USING COATED ELECTRODES OF E60XX.
11. ALL WELDS SHALL CONFORM WITH THE AMERICAN WELDING SOCIETY SPECS.
12. ALL DRILLED-IN CONCRETE ANCHORS SHALL BE WEDGE-TYPE AS MANUFACTURED BY "RED-HEAD" ITT PHILIPS DRILL CO., MICHIGAN CITY, IND. OR EQUAL.
13. ALL STEEL SHALL HAVE ONE SHOP COAT OF A RUST-INHIBITING PAINT.
14. ALL MORTAR FOR MASONRY WALL CONSTRUCTION SHALL BE TYPE "M" AND CONFORM TO A.S.T.M. C270 SPECIFICATION.
15. ALL PORTLAND CEMENT GROUT SHALL CONFORM TO A.S.T.M. C476 SPECIFICATIONS.



3 PROPOSED SITE PLAN
1" = 50'-0"

BUILDING INFORMATION:

- TYPE OF CONSTRUCTION - TYPE II B

- USE GROUP -/ S-2

- BUILDING AREA : GRADE- 3000 SF

SHEET INDEX

SHEET #	SHEET NAME
A1.0	COVER SHEET
A1.1	ACCESSIBILITY NOTES
A2.0	PLANS
A3.0	ELEVATIONS
M1.0	MECHANICAL PLAN
E1.0	ELECTRICAL PLANS
P1.0	PLUMBING DIAGRAMS SCHEDULES AND NOTES

ADOPTED CODES:

•2021 INTERNATIONAL BUILDING CODE
•2021 INTERNATIONAL RESIDENTIAL CODE
•2021 INTERNATIONAL MECHANICAL CODE
•2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH ILLINOIS AMENDMENTS*
•2021 INTERNATIONAL FIRE CODE
•2021 INTERNATIONAL EXISTING BUILDING CODE
• COOK COUNTY PLUMBING CODE
•2014 COOK COUNTY ELECTRICAL CODE

CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE. THEY COMPLY WITH THE ZONING ORDINANCES AND BUILDING CODES OF COOK COUNTY AND THE STATE OF ILLINOIS.

Kacprzynski Andrzej
---------- 2/4/2024
ANDRZEJ KACPRZYNSKI
ILLINOIS LICENSE # 001.021686, EXPIRES: 11-30-24

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,PC
andrzej kacprzynski
president
CELL: 7735399988 LANDSCAPE:630
www.proplanarchitects.com
andy@proplanarchitects.com

PROPOSED ONE STORY MTL STORAGE BUILDING
15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	DRAWN BY:	CHECKED BY:
19-3	A.L.	A.K.

DRAWING
COVER SHEET

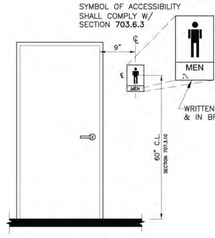
SHEET
A1.0

703.6.3 PROPORTIONS INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: N.T.S.

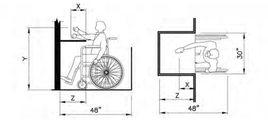
703.6.3 DISPLAY CONDITIONS INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: N.T.S.

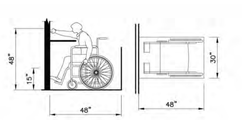


703.5 LOCATION OF PICTOGRAMS SIGN AT DOORS

SCALE: N.T.S.



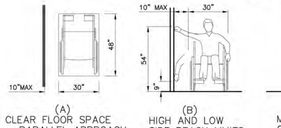
(B) MAXIMUM FORWARD REACH OVER AN OBSTRUCTION
NOTE: X SHALL BE ≤25", Z SHALL BE ≥X.
WHEN X<20, THEN Y SHALL BE 48" MAXIMUM.
WHEN X IS 20"–25", THEN Y SHALL BE 44" MAXIMUM.



(A) HIGH FORWARD REACH LIMIT

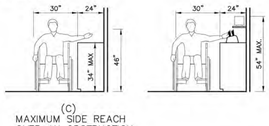
308.2 FORWARD REACH

SCALE: N.T.S.



(A) CLEAR FLOOR SPACE – PARALLEL APPROACH

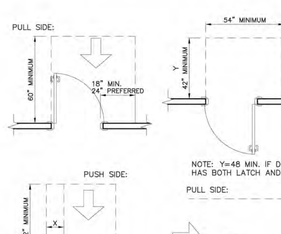
(B) HIGH AND LOW SIDE REACH LIMITS



(C) MAXIMUM SIDE REACH OVER AN OBSTRUCTION

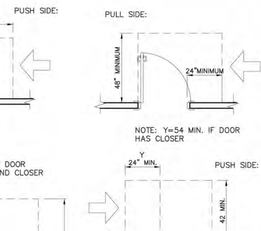
308.3 SIDE REACH

SCALE: N.T.S.



NOTE: X=12 IF DOOR HAS BOTH CLOSER AND LATCH

(A) FRONT APPROACHES – SWINGING DOORS



NOTE: X=36" MIN. IF Y=60".
X=42" MIN. IF Y=54 IN

(B) HINGE SIDE APPROACHES – SWINGING DOORS

NOTE: Y=48 MIN. IF DOOR HAS CLOSER

(C) LATCH SIDE APPROACHES –SWINGING DOORS

TABLEWARE AREAS

SCALE: N.T.S.

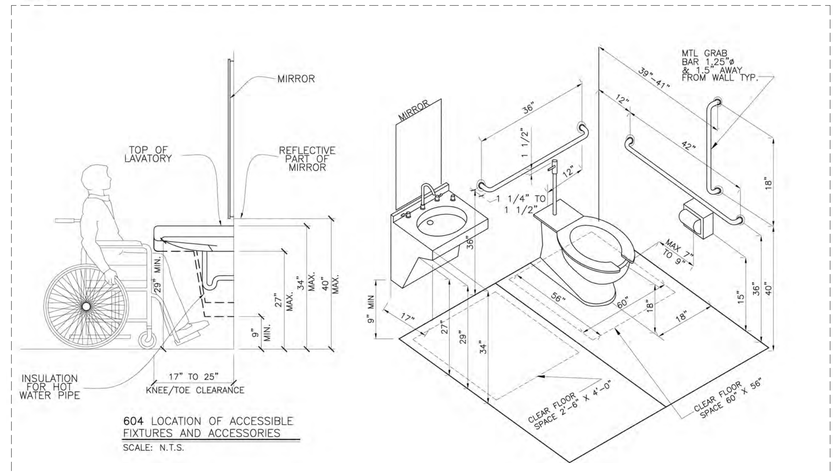
404.2.3.1 MANEUVERING CLEARANCE AT DOORS

SCALE: N.T.S.

606.6 EXPOSED PIPES AND SURFACES.

SCALE: N.T.S.

606.6 EXPOSED PIPES AND SURFACES.
WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.



604 LOCATION OF ACCESSIBLE FIXTURES AND ACCESSORIES

SCALE: N.T.S.

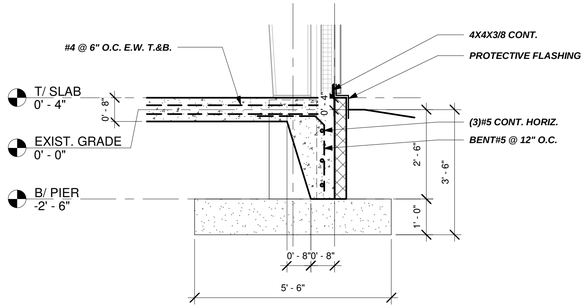
Table 606.7

Maximum Reach Depth	5 inch (13 mm)	2 inches (51 mm)	5 inches (125 mmo)	6 inches (150 mm)	9 inches (230 mm)	11 inches (280 mm)
Maximum Reach Height	48 inches (1220 mm)	46 inches (1170 mm)	42 inches (1085 mm)	40 inches (1015 mm)	36 inches (915 mm)	34 inches (865 mm)

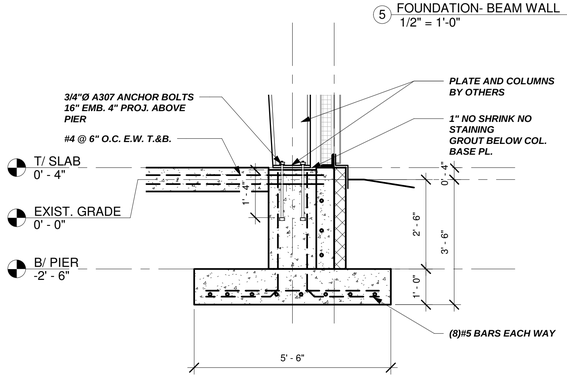
2018 ILLINOIS ACCESSIBILITY CODE

CHAPTER 3: BUILDING BLOCKS
301 General
301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or
where
referenced by a requirement in this document.
302 Floor or Ground Surfaces
302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and
shall
comply with 302.
EXCEPTIONS:
1. Within animal containment areas, floor and ground surfaces shall not be required to
be stable, firm, and slip resistant.
2. Areas of sport activity shall not be required to comply with 302.
302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm
cushion, pad,
or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured
loop, level
cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum.
Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the
entire
length of the exposed edge. Carpet edge trim shall comply with 303.
NOTE: Where a mat is used on a temporary or seasonal basis, the mat shall be
securely
attached or have a backing designed to be non-slip.
302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a
sphere more
than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3
and
810.10. Elongated openings shall be placed so that the long dimension is
perpendicular to the
dominant direction of travel.
303 Changes in Level
303.1 General. Where changes in level are permitted in floor or ground surfaces, they
shall
comply with 303.
EXCEPTIONS:
1. Animal containment areas shall not be required to comply with 303.
2. Areas of sport activity shall not be required to comply with 303.
303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted
to be
vertical.
303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2
inch (13
mm) high maximum shall be beveled with a slope not steeper than 1:2.
303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped,
and shall
comply with 405 or 406.
304 Turning Space
304.1 General. Turning space shall comply with 304.
304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall
comply with
302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.
304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm)
diameter minimum. The space shall be permitted to include knee and toe clearance
complying with 306.
304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60
inch
(1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum.
Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each
direction and the base shall be clear of obstructions 24 inches (610 mm) minimum.
The
space shall be permitted to include knee and toe clearance complying with 306 only at
the end of either the base or one arm.
304.4 Door Swing. Doors shall be permitted to swing into turning spaces.
305 Clear Floor or Ground Space
305.1 General. Clear floor or ground space shall comply with 305.
305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground
space shall
comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
305.3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by
48 inches
(1220 mm) minimum.
305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground
space shall be
permitted to include knee and toe clearance complying with 306.
305.5 Position. Unless otherwise specified, clear floor or ground space shall be
positioned for
either forward or parallel approach to an element.
305.6 Approach. One full unobstructed side of the clear floor or ground space shall
adjoin an
accessible route or adjoin another clear floor or ground space.
305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an
alcove or
otherwise confined on all or part of three sides, additional maneuvering clearance shall
be
provided in accordance with 305.7.1 and 305.7.2.
305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum
where
the depth exceeds 24 inches (610 mm).
305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum
where
the depth exceeds 15 inches (380 mm).
306 Knee and Toe Clearance
306.1 General. Where space beneath an element is included as part of clear floor or
ground
space or turning space, the space shall comply with 306. Additional space shall not be
prohibited beneath an element but shall not be considered as part of the clear floor or
ground
space or turning space.
306.2 Toe Clearance.
306.2.1 General. Space under an element between the finish floor or ground and 9
inches (230 mm) above the finish floor or ground shall be considered toe clearance
and
shall comply with 306.2.
306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum
under an element.
306.2.3 Minimum Required Depth. Where toe clearance is required at an element as
part of a clear floor space, the toe clearance shall extend 17 inches (430 mm)
minimum
under the element.
306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm)
beyond
the available knee clearance at 9 inches (230 mm) above the finish floor or ground
shall
not be considered toe clearance.
306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.
306.3 Knee Clearance.
306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches
(685 mm) above the finish floor or ground shall be considered knee clearance and
shall
comply with 306.3.
306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum
under an element at 9 inches (230 mm) above the finish floor or ground.
306.3.3 Minimum Required Depth. Where knee clearance is required under an
element
as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep
minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205
mm)
deep minimum at 27 inches (685 mm) above the finish floor or ground.
306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm)
above the finish floor or ground, the knee clearance shall be permitted to reduce at a
rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.
306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.
307 Protruding Objects
307.1 General. Protruding objects shall comply with 307.
307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm)
and not
more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4
inches (100
mm) maximum horizontally into the circulation path.
EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm)
maximum.
307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall
overhang
circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm)
minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where
a sign or other
obstruction is mounted between posts or pylons and the clear distance between the
posts or
pylons is greater than 12 inches (305 mm), the lowest edge of such sign or
obstruction shall be
27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish
floor or
ground.
EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be
required to comply with 307.3.
307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high
minimum.
Guardrails or other barriers shall be provided where the vertical clearance is less than
80 inches
(2030 mm) high. The leading edge of such guardrail or barrier shall be located 27
inches (685
mm) maximum above the finish floor or ground.
EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980
mm)
minimum above the finish floor or ground.
307.5 Required Clear Width. Protruding objects shall not reduce the clear width
required for
accessible routes.
308 Reach Ranges
308.1 General. Reach ranges shall comply with 308.
308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach
shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches
(380 mm) minimum above the finish floor or ground.
308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction,
the
clear floor space shall extend beneath the element for a distance not less than the
required reach depth over the obstruction. The high forward reach shall be 48 inches
(1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where
the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44
inches
(1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.
308.3 Side Reach.
308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach
to an element and the side reach is unobstructed, the high side reach shall be 48
inches
(1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum
above the finish floor or ground.
EXCEPTIONS:
1. An obstruction shall be permitted between the clear floor or ground space and
the element where the depth of the obstruction is 10 inches (255 mm)
maximum.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm)
maximum measured from the surface of the vehicular way where fuel
dispensers are installed on existing curbs.
309 Operable Parts
309.1 General. Operable parts shall comply with 309.
309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be
provided.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges
specified
in 308.
309.4 Operation. Operable parts shall be operable with one hand and shall not require
tight
grasping, pinching, or twisting of the wrist. The force required to activate operable
parts shall
be 5 pounds (22.2 N) maximum.
EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that
have
an activating force of 5 pounds (22.2 N) maximum.

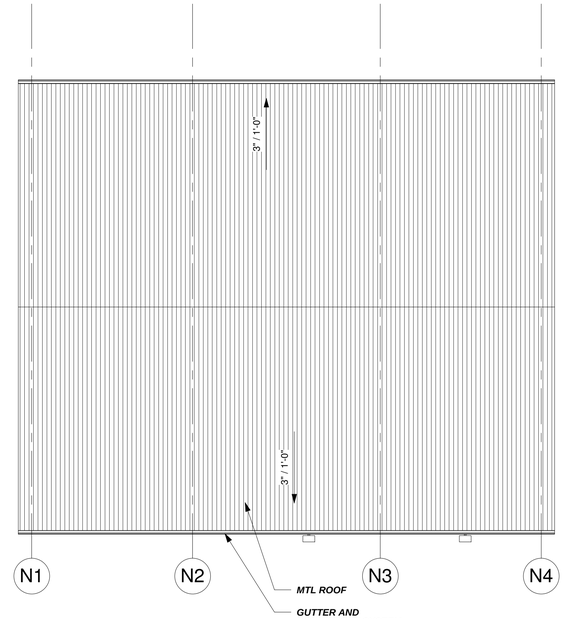
CHAPTER 4: ACCESSIBLE ROUTES
401 General
401.1 Scope. The provisions of Chapter 4 shall apply where required by Chapter 2 or where
referenced by a requirement in this document.
402 Accessible Routes
402.1 General. Accessible routes shall comply with 402.
402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.
403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.
403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.
403.4 Changes in Level. Changes in level shall comply with 303.
403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.
EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.
403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.
EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.
403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.
EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum compliance with 403.5.2 shall not be required.
403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either: a space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3.2 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.
403.5.4 Aisle Width in Libraries. The clear width of aisles between stacks in libraries shall be 42 inches minimum (1065 mm).
EXCEPTION: In existing buildings and alterations, the minimum width shall be 36 inches (915 mm) minimum.
403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not steeper than 1:20 they shall comply with 505.
404 Doors, Doorways, and Gates
404.1 General. Doors, doorways, and gates that are part of an accessible route shall comply with 404.
EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with 404.2.7, 404.2.8, 404.2.9, 404.3.2 and 404.3.4 through 404.3.7.
404.2 Manual Doors, Doorways, and Manual Gates. Manual doors and doorways and manual gates intended for user passage shall comply with 404.2.
404.2.1 Revolving Doors, Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.
404.2.2 Double-Leaf Doors and Gates. At least one of the active leaves of doorways with two leaves shall comply with 404.2.3 and 404.2.4.
404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).
EXCEPTIONS:
1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop
2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.
404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.
EXCEPTION: Entry doors to hospital patient rooms shall not be required to provide the clearance beyond the latch side of the door.
404.2.4.1 Swinging Doors and Gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.4.1.
404.2.4.2 Doorways without Doors or Gates, Sliding Doors, and Folding Doors. Doorways less than 36 inches (915 mm) wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances complying with Table 404.2.4.2.
404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.
404.2.4.4 Floor or Ground Surfaces. Floor or ground surface within required maneuvering clearances shall comply with 302. Changes in level are not permitted.
EXCEPTIONS:
1. Slopes not steeper than 1:48 shall be permitted.
2. Changes in level at thresholds complying with 404.2.5 shall be permitted.
404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (13 mm) high maximum. Raised thresholds and changes in level at doorways shall comply with 302 and 303.
EXCEPTION: Existing or altered thresholds 3/4 inch (19 mm) high maximum that have a beveled edge on each side with a slope not steeper than 1:2 shall not be required to comply with 404.2.5.
404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.
404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.
EXCEPTIONS:
1. Existing locks shall be permitted in any location at existing glazed doors without stiles, existing overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that are activated only at the top or bottom rail.
2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to have operable parts of the release or latch on self-latching devices at 54 inches (1370 mm) maximum above the finish floor orground provided the self-latching devices are not also locked, bolted, or chained
and operated by means of a key, electronic opener, or integral combination
lock.
404.2.8 Closing Speed. Door and gate closing speed shall comply with 404.2.8.
404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.
404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.
404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling opens a door or gate other than fire doors shall be as follows:
1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.
3. Exterior hinged doors and gates: 8.5 pounds (37.8N)
These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.
404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by such kick plates shall be capped.
EXCEPTIONS:
1. Sliding doors shall not be required to comply with 404.2.10.
2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch (255 mm) bottom smooth surface height requirement.
3. Doors and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not be required to comply with 404.2.10.
4. Existing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or ground shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added kick plates are installed, cavities created by such kick plates are capped.
404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.
EXCEPTION: Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or ground shall not be required to comply with 404.2.11.
404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power assisted doors shall comply with ANSI/BHMA A156.19 (2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).
404.3.1 Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm) minimum in power- and power-off mode. The minimum clear width for automatic door systems in a doorway shall be based on the clear opening provided by all leaves in the open position.
404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.
EXCEPTION: Where automatic doors and gates remain open in the power-off condition, compliance with 404.2.4 shall not be required.
404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with 404.2.5.
404.3.4 Doors in Series and Gates in Series. Doors in series and gates in series shall comply with 404.2.6.
404.3.5 Controls. Manually operated controls shall comply with 309. The clear floor space adjacent to the control shall be located beyond the arc of the door swing.
404.3.6 Break Out Opening. Where doors and gates without standby power are a part of a means of egress, the clear break out opening at swinging or sliding doors and gates shall be 32 inches (815 mm) minimum when operated in emergency mode.
EXCEPTION: Where manual swinging doors and gates comply with 404.2 and serve the same means of egress compliance with 404.3.6 shall not be required.
404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.
405 Ramps
405.1 General. Ramps on accessible routes shall comply with 405.
EXCEPTION: In assembly areas, aisle ramp adjacent to seating and not serving elements required to be on an accessible route shall not be required to comply with 405.
405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.
EXCEPTION: In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations.
405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.
405.4 Floor or Ground Surfaces. Floor or ground surfaces of ramp runs shall comply with 302. Changes in level other than the running slope and cross slope are not permitted on ramp runs.
405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.
EXCEPTION: Within employee work areas, the required clear width of ramps that are a part of common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.
405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.
405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.
405.7.1 Slope. Landings shall comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.
405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.
405.7.4 Change in Direction. Ramps that change direction between runs at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum.
405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing area.
405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.
EXCEPTION: Within employee work areas, handrails shall not be required where ramps that are part of common use circulation paths are designed to permit the installation of handrails complying with 505. Ramps not subject to the exception to 405.5 shall be designed to maintain a 36 inch (915 mm) minimum clear width when handrails are installed.
405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.
EXCEPTIONS:
1. Edge protection shall not be required on ramps that are not required to have handrails and have sides complying with 406.3.
2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or stairway.
3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of 1/2 inch (13 mm) maximum within 10 inches (255 mm) horizontally of the minimum landing area specified in 405.7.
405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.
405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.
405.10 Wet Conditions. Landings subject to wet conditions shall be designed to prevent the accumulation of water.
406 Curb Ramps
406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.
406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.
406.4 Landings. Landings complying with 405.7.1 shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.
EXCEPTION: In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12.
406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.
406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.
406.7 Islands. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area, with a slope of 1:48 maximum in all
directions, that is 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch (1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves. The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible route
shall be permitted to overlap.
603 Toilet and Bathing Rooms
603.1 General. Toilet and bathing rooms shall comply with 603.
603.2 Clearances. Clearances shall comply with 603.2.
603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.
603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.
603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.
EXCEPTIONS:
1. Doors to a toilet room or bathing room for a single occupant accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3.
2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture. This exception shall not apply to toilet and bathing rooms within dwelling units required to comply with 812.
603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.
603.4 Coat Hooks and Shelves. Coat hooks and shelves shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.
604 Water Closets and Toilet Compartments
604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8.
EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.
604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.
604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with 604.3.
604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.
604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.
EXCEPTION: In residential dwelling units required to comply with 809 and in multi-story housing required to comply with 812, a lavatory complying with 606 shall be permitted on the rear wall 18 inches (455 mm) minimum from the water closet centerline where the clearance at the water closet is 66 inches (1675 mm) minimum measured perpendicular from the rear wall.
604.3.3 Changes in Level. Floor or ground surface within the required clearance shall comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm)
minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.
EXCEPTIONS:
1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 604.4.
2. In residential dwelling units required to comply with 809 or 812, the height of water closets shall be permitted to be 15 inches (380 mm) minimum and 19 inches (485 mm) maximum above the finish floor measured to the top of the seat.
604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided
on the side wall closest to the water closet and on the rear wall.
EXCEPTIONS:
1. Grab bars shall not be required to be installed in a toilet room for a single occupant accessed only through a private office and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5.
2. In residential dwelling units required to comply with 809 and in multi-story housing required to comply with 812, grab bars shall not be required to be installed in toilet or bathrooms provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5.
3. In detention or correction facilities, grab bars shall not be required to be installed in housing or holding cells that are specially designed without protrusions for purposes of suicide prevention.
604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.
604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.
EXCEPTIONS:
1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet.
2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.
604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.
604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or



5 FOUNDATION- BEAM WALL
1/2" = 1'-0"

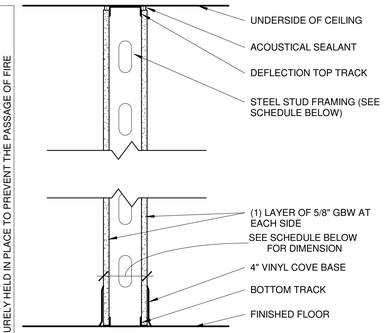


6 FOUNDATION- COLUMN PIER
1/2" = 1'-0"



2 PROPOSED ROOF PLAN
1/8" = 1'-0"

FIRE-SAFE OR PIPE SHAFTS AND DUCTS
PIPE SHAFTS AND DUCTS SERVING ONE FLOOR TO ANOTHER SHALL BE ENCLOSED WITH CONSTRUCTION PROVIDING FIRE RESISTANCE OF NOT LESS THAN ONE HOUR EXCEPT THAT PIPES AND DUCTS REQUIRING OPENINGS THROUGH FLOORS NOT EXCEEDING 9 SQ.FT. IN AREA SHALL NOT REQUIRE ENCLOSURE PROVIDED THE OPENINGS ARE FITTED SO THAT PIPES AND DUCTS AND THE FLOOR CONSTRUCTION SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIALS SECURELY HELD IN PLACE TO PREVENT THE PASSAGE OF FIRE



TYPE	STUD SIZE	PART. THICK	KEYED NOTES
A1	3 5/8"	4 7/8"	18 GA STUDS / 9'-0" HIGH PARTITION
A2	5 1/2"	6 3/4"	18 GA STUDS / 9'-0" HIGH PARTITION/ PLUMBING WALL

A TYP. INTERIOR PARTITION
1 1/2" = 1'-0"

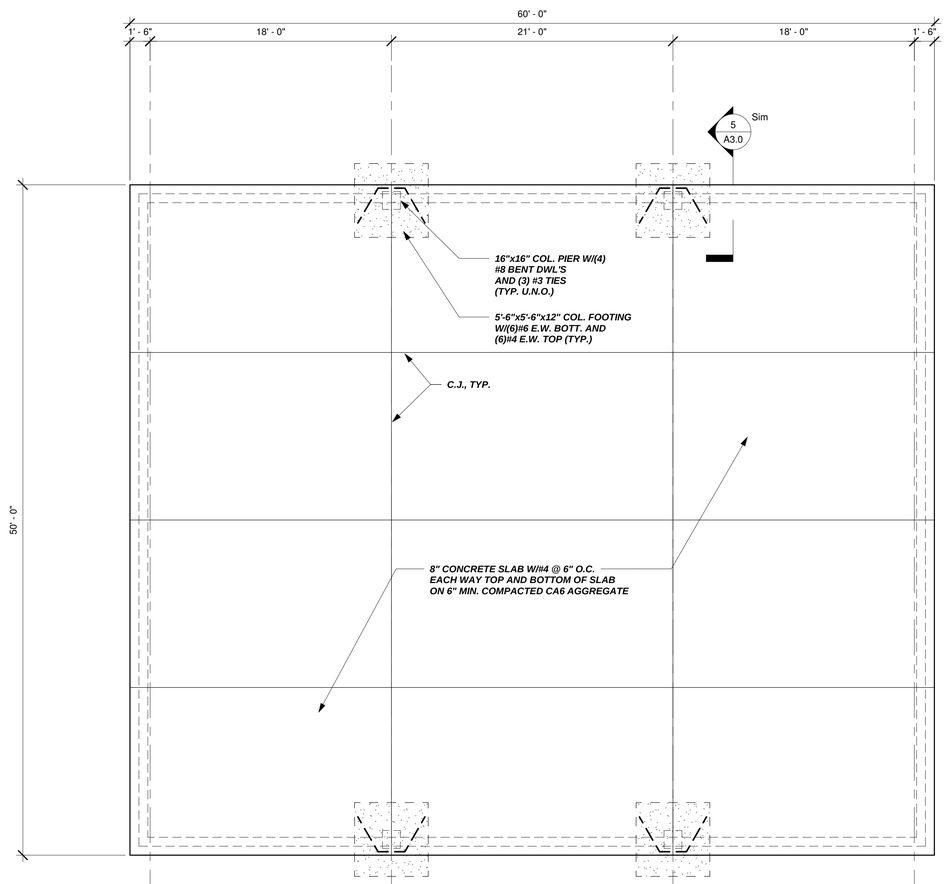
WALL AND CEILING FINISHES FLAME SPREAD CLASS TO BE MIN. TYPE "A"

DOOR SCHEDULE

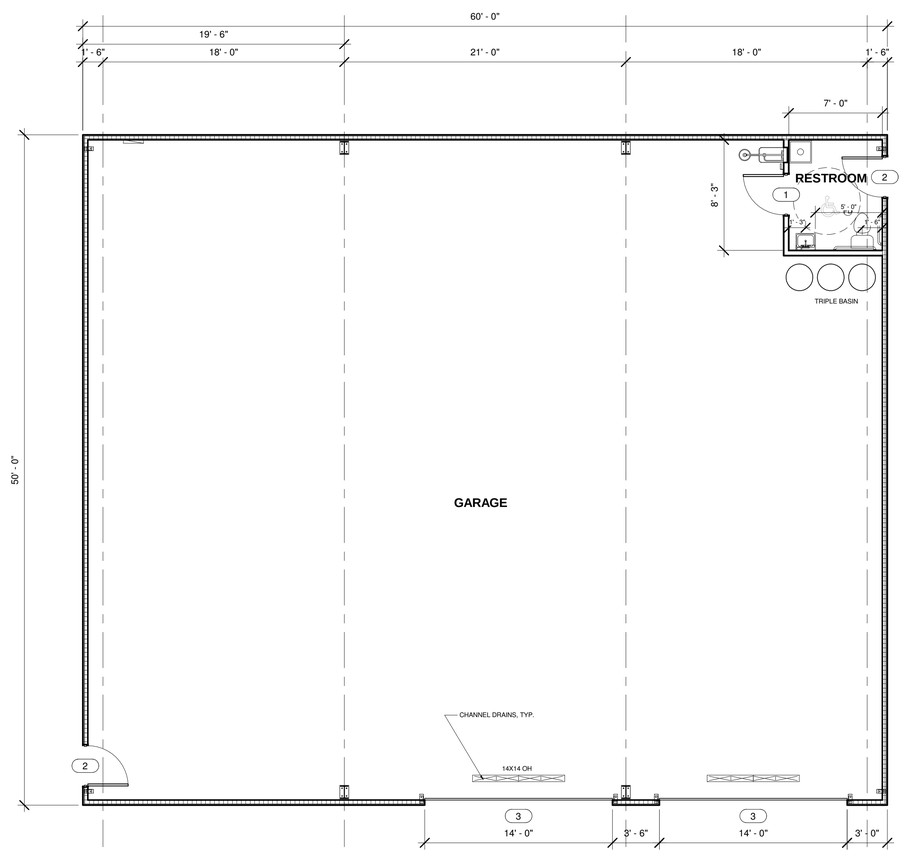
DOOR TYPE	WIDTH	HEIGHT	THK.	DESCRIPTION
1	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME-INTERIOR
2	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME-EXTER.
3	14'-0"	14'-0"	1 3/4"	METAL INSULATED O.H. DOOR

- PROVIDE SELF CLOSERS AT RESTROOMS & EXTERIOR DOORS.
- DOOR LEVER HANDLES AT ALL PUBLIC DOORS

- ALL GARAGE DOORS MIN. U-VALUE 0.31
- ALL EXTERIOR SWINGING DOORS MIN. U-VALUE 0.37



4 PROPOSED FOUNDATION PLAN
3/16" = 1'-0"



1 GRADE - PROPOSED FLOOR PLAN
3/16" = 1'-0"

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,LTD
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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

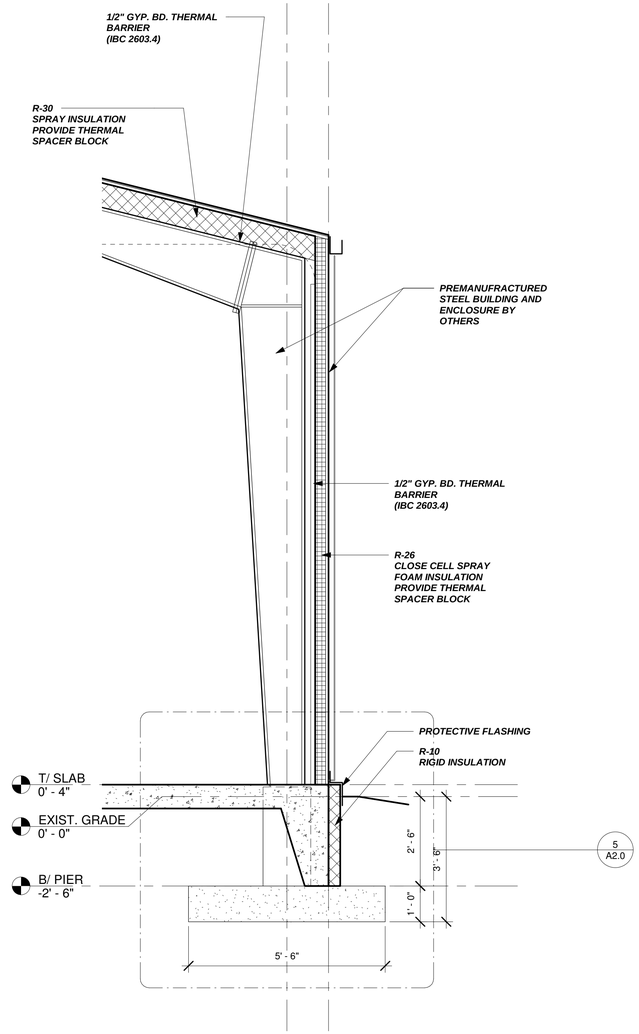
JOB NO	19-3
DRAWN BY: A.J.	
CHECKED BY:	A.K.

DRAWING
PLANS

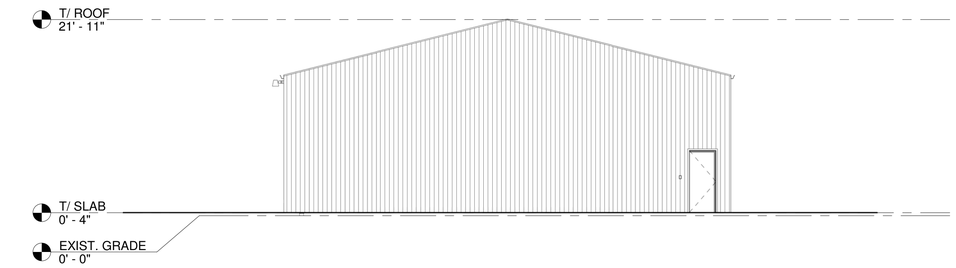
SHEET
A2.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

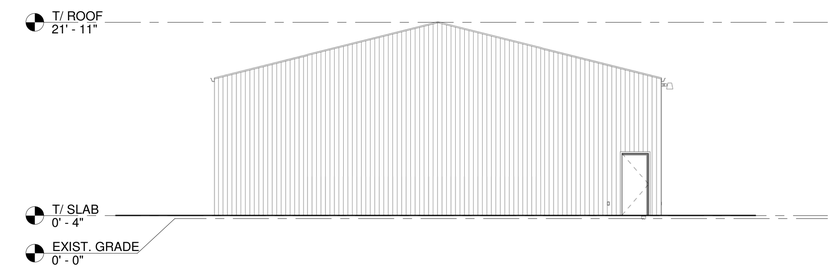
5/6/24



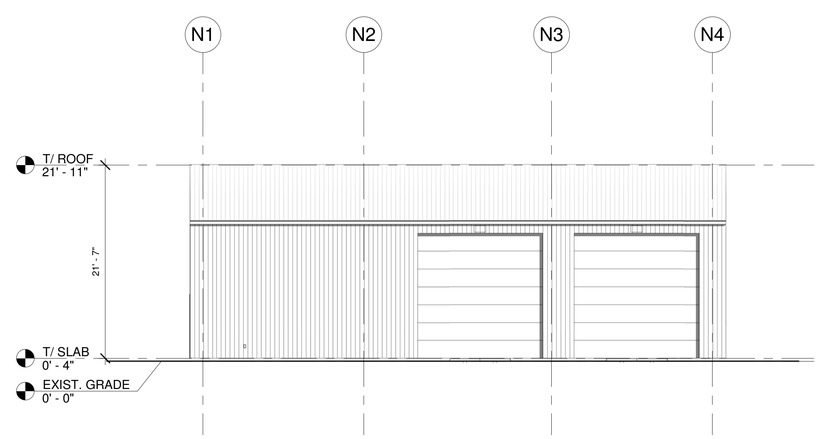
5 TYP. WALL SECTION
1/2" = 1'-0"



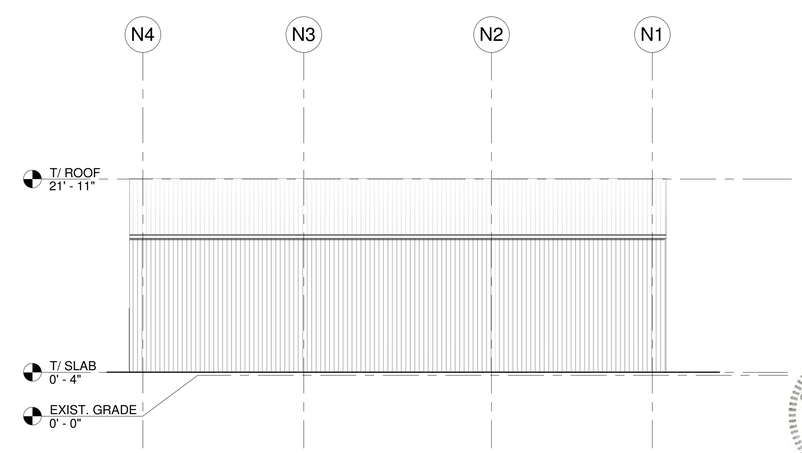
4 PROPOSED EAST ELEVATION
1/8" = 1'-0"



3 PROPOSED WEST ELEVATION
1/8" = 1'-0"



1 PROPOSED SOUTH ELEVATION
1/8" = 1'-0"



2 PROPOSED NORTH ELEVATION
1/8" = 1'-0"

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,PC
andrzej kacprzynski
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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

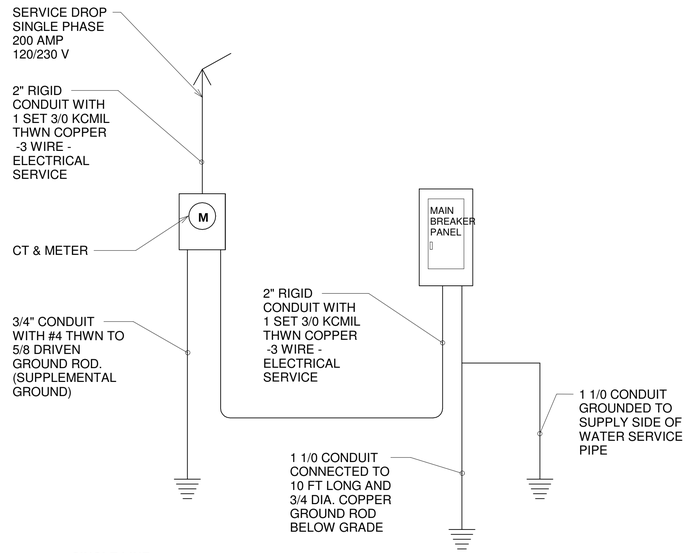
JOB NO	19-3
DRAWN BY:	A.J.
CHECKED BY:	A.K.

DRAWING
ELEVATIONS

SHEET
A3.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24



SINGLE LINE DIAGRAM
SCALE: N.T.S.

PUBLIC PANEL

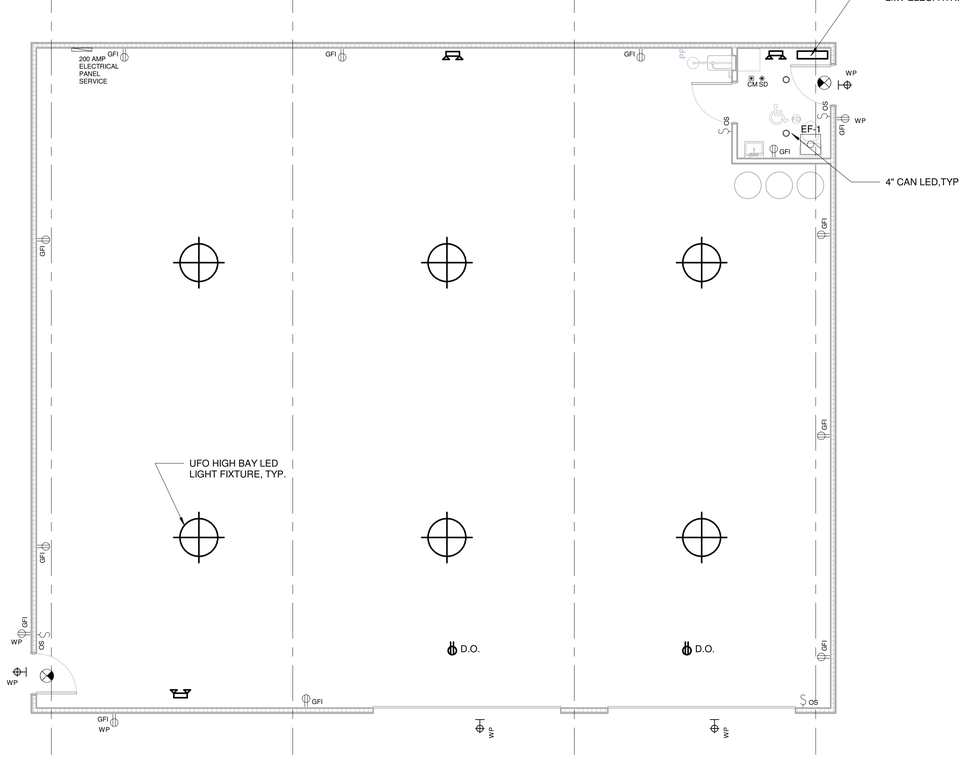
MAIN BRAKER W/ DISCONNECT

200 AMP

1	S.D & C.M.	15	20	GARAGE MAKE UP AIR	2
3	EM. LIGHTS	15	20		4
5		20	20		6
7		20	20		8
9		20	20	GARAGE DOOR OPENER	20
11	EXHAUST FAN GARAGE	20	20	GARAGE DOOR OPENER	12
13	RESTROOM	20	20		14
15		20	20		16
17		20	20	OUTLETS - EXTERIOR	18
19	GARAGE OUTLETS	20	20	LIGTHS - EXTERIOR	20
21	GARAGE LIGHTS	20			22
23	GARAGE LIGHTS	20			24
25	BATTERY BACKUP DET.	15			26
27					28
29					30
31	ELEC. HTR.	20			32
33					34
35					36
37					38
39					40
41					42

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	ELECTRICAL PANEL
S	SINGLE POLE SWITCH
OS S	OCCUPANCY SENSOR
3 S	3 WAY SWITCH
	110 V SINGLE OUTLET
	110 V DUPLEX OUTLET
GFI	110 V GROUND FAULT INTERRUPTER OUTLET
AFCI	110 V ARC FAULT CIRCUT INTERRUPTER OUTLET
TV	TV CABLE
D	DATA
	CARBON MONOXIDE DETECTOR (HARD WIRE)
	SMOKE DETECTOR (HARD WIRED)
	RECESSED CAN LIGHT
	CEILING MOUNT LIGHT FIXTURE
	LINEAR LIGHT
	LED STRIP/ROPE LIGHT
	EMERGENCY LIGHT
	EXIST SIGN
	EXHAUST FAN



1 GRADE - ELECTRICAL FLOOR PLAN
3/16" = 1'-0"

0 4' 8' 16'

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,PC
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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	19-3
DRAWN BY:	A.J.
CHECKED BY:	A.K.

DRAWING
ELECTRICAL PLANS

SHEET
E1.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

LIGHT & VENT SCHEDULE																HEAT DATA		
ORDINACE REQUIREMENTS													ACTUAL PROVIDED					
ROOM DESCRIPTION		NATURAL LIGHT & VENT (SF)		MECHANICAL VENTILATION (CFM)									NATURAL LIGHT & VENTILATION (SF)		MECHANICAL VENTILATION (CFM)			
ROOM NO.	ROOM NAME	FLOOR AREA (SF)	GLASS AREA	VENT AREA	OCCUPANCY (Pz)	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (RP) (CFM/ PERSON)	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE (RA) (CFM/FT SQ)	EXHAUST AIRFLOW RATE CFM/FT SQ.	GLASS AREA	VENT AREA	SUPPLY AIR	EXHAUST AIR FROM ROOM	HEAT LOSS FACTOR	ACTUAL BTU/HEAT LOSS	ACTUAL CFM
					#	CFM	CFM	CFM							
														0.0	
GARAGE		2854	N/R					0.75	2140.5	N/R	N/R		N/R	42810.0	
														0.0	
RESTROOM		57	N/R	N/R	-	1.0	5	-	-	-	70/T	140	N/R	N/R	80	900.0	

LOAD VALUES ASSIGNED TO FIXTURES

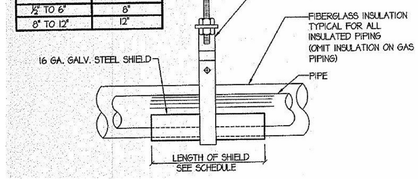
FIXTURE	QTY.	OCCUPANCY	TYPE OF SUPPLY CONTROL	LOAD VALUES IN WATE (SUPPLY FIXTURE UNITS)			FIXTURES LOAD
				COLD	HOT	TOTAL	
Urinal	0	PUBLIC	FLUSH VALVE	5	-	5	0
WATER CLOSET	0	PUBLIC/ PRIVATE	FLUSH VALVE	10	-	10	0
LAVLATORY	1	PUBLIC	FAUCET	1	1	2	2
BATHTUB	0	PRIVATE	FAUCET	1.5	1.5	2	0
SHOWER STALL	0	PRIVATE	MIXING VALVE	1	1	2	0
KITCHEN SINK	0	COMM.	FAUCET	1.5	1.5	2	0
DISHWASHER	0	COMM.	AUTOMATIC	0	2	2	0
PREP SINK	0	COMM.	FAUCET	1.5	1.5	2	0
SERVICE SINK	1	PUBLIC	FAUCET	2	2	3	3
HAND SINK	0	PUBLIC		1	1	2	0
WATER CLOSET	1	PUBLIC/ PRIVATE	TANK	3	-	3	3
LAUNDRY MACHINE 16LB	0	PRIVATE/GENERAL	AUTOMATIC	3	3	4	0
SILL COCK	1	PRIVATE/GENERAL	FAUCET	2	-	2	2
						TOTAL LOAD	10

NOTE: FOR FIXTURES NOT LISTED, LOADS SHALL BE ASSUMED BY COMPARING THE FIXTURES TO ONE LISTED USING WATER IN SIMILAR QUANTITIES AND AT SIMILAR RATES. THE ASIGNED LOADS FOR BOTH COLD AND HOT WATER SUPPLIES ARE GIVEN FOR SEPARATE COLD AND HOT WATER LOADS AND FOR TOTAL LOAD.

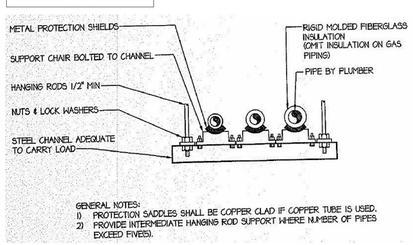
W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
2	1/2"	5/8"
4	1/2"	5/8"
6	1/2"	5/8"
8	3/4"	5/8"
10	3/4"	3/4"
12	3/4"	3/4"
14	3/4"	3/4"
16	3/4"	3/4"
20	1"	3/4"
25	1"	3/4"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
30	1"	1"
35	1 1/4"	1"
40	1 1/4"	1"
45	1 1/4"	1"
50	1 1/4"	1"
60	1 1/2"	1 1/2"
70	1 1/2"	1 1/2"
80	1 1/2"	1 1/2"
90	1 1/2"	1 1/2"
100	1 1/2"	2"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
120	2"	2"
140	2"	2"
160	2"	2"
180	2"	2"
200	2"	2"
225	2"	2"
250	2"	3"
275	2 1/2"	3"
300	2 1/2"	3"
350	2 1/2"	3"
400	2 1/2"	3"
450	2 1/2"	3"



SINGLE PIPE HANGER



TRAPEZE HANGER

Section 890.910 Hangers, Anchors and Supports

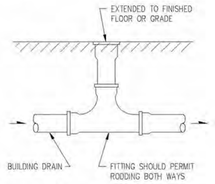
a) General. Hangers, anchors and supports shall be of material and strength to support the piping and its contents and maintain its proper alignment. Hangers, anchors and supports shall be securely attached to the building construction at sufficient intervals to support the piping and its contents. Provisions shall be made to allow for expansion, contraction, structural settlement and vibrations. Installation shall be in accordance with manufacturers' directions if more stringent than this Part.

b) Material. Hangers, anchors and supports shall be of metal or other material strong enough to support the piping when full. Piers may be of concrete, brick or other approved materials.

Section 890.APPENDIX D Illustrations for Subpart D

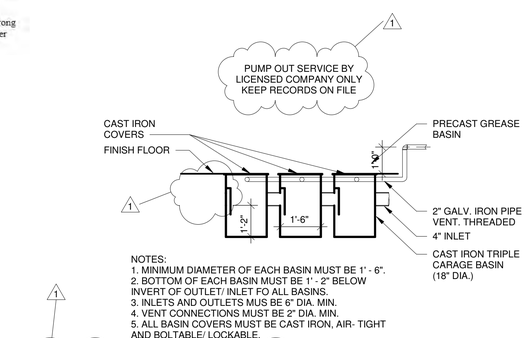
Section 890.ILLUSTRATION F Underground Drainage

(Referenced in Section 890.420(c))



(Source: Amended at 38 Ill. Reg. 9940, effective April 24, 2014)

CLEANOUT DETAIL



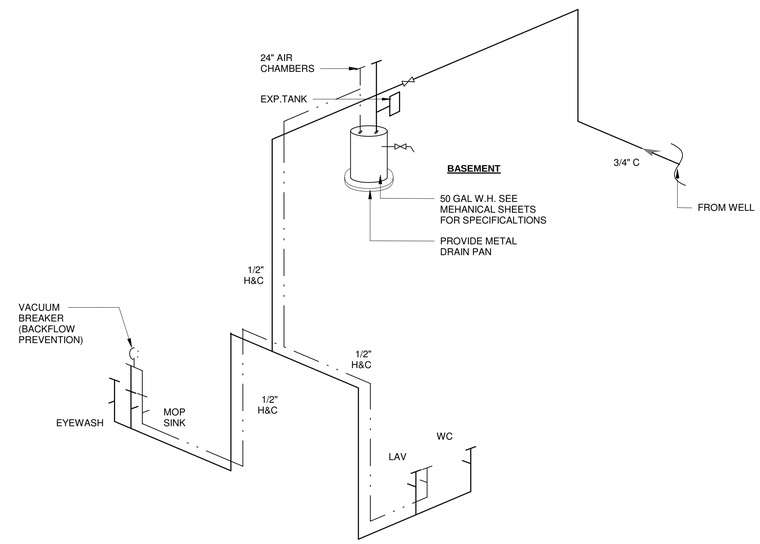
DETAIL - TRIPLE BASIN HOLDING TANK

PLUMBING FIXTURE SCHEDULE

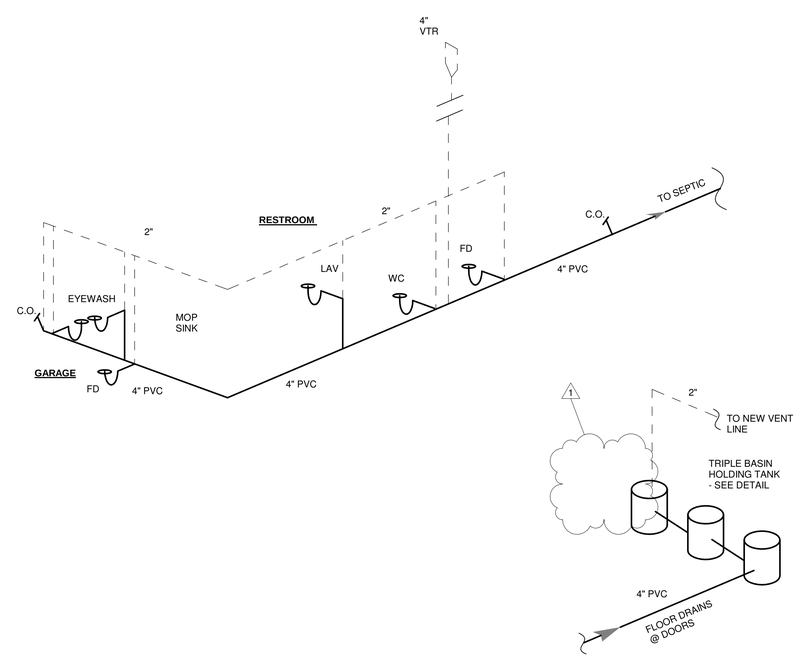
KEY	FIXTURE	QTY.	DESCRIPTION	REMARKS
PL-1	EYEWASH	1	Guardian G1902P	14.5" x 18" STAINLESS STEEL
PL-2	FLOOR MOP SINK	1	ELKAY, FLR-1X	20" x 24" STAINLESS STEEL
PL-3	WATER CLOSET	2	AMERICAN STANDARD, MADERA 2858.016	CERAMIC, FLOOR MOUNT
PL-4	LAVATORY	2	AMERICAN STANDARD, LUCERNE 0356.041	CERAMIC, WALL-HUNG
PL-5	WATER HEATER	1	SEE MECH. PLANS	
FD	FLOOR DRAIN	1	WADE NO. W-1100 WITH STANDARD POLISHED NICKEL BRASS STRAINER	

*** PROVIDE HOT WATER SUPPLY PIPE WITH CONSTRUCTED SWING JOINT**

NOTE: ALL FIXTURES CAN BE SUBSTITUTED WITH EQUIVALENT PRODUCTS



WATER SUPPLY DIAGRAM



WASTE DIAGRAM

PLUMBING NOTES:

1. ALL PLUMBING WORK MUST BE PERFORMED BY LICENSED CONTRACTOR AS REQUIRED BY COOK COUNTY AND COOK COUNTY PLUMBING CODE.

2. PLUMBING CONTRACTOR SHALL OBTAIN ALL REQUIRED BONDS AND PAY ALL FEES AND TAXES FOR NECESSARY PLUMBING PERMITS.

3. FURNISH AND INSTALL COMPLETE DRAIN AND SEWER SYSTEM. SEWER AND DRAINPIPES SHALL BE **SCH.40 PVC** SOIL PIPE.

4. FURNISH AND INSTALL SOIL, WASTE AND VENT PIPES AS REQUIRED. ALL ABOVE GROUND SOIL STACKS, WASTE STACKS, VENT PIPES AND FITTINGS TO BE **SCH.40 PVC.**

5. ALL TRAPS SHALL BE SELF-CLEANING.

6. FURNISH AND INSTALL COMPLETE AND OPERABLE SYSTEM OF COLD AND HOT WATER TO EACH AND EVERY PLUMBING FIXTURE, APPLIANCE OR MECHANICAL EQUIPMENT REQUIRING WATER. INSTALL AS REQUIRED BY CODE PIPEFITTING, VALVES AIR C CHAMBERS DI-ELECTRIC UNIONS HANGERS, ETC. INSTALL ALL PLUMBING FIXTURES, COMPLETE WITH TRAPS, STOPS, HANGERS AND ALL RELATED ITEMS AS REQUIRED.

7. INSULATE ALL HOT AND COLD WATER PIPING NOT IN PLUMBING CHASE WITH 1/2" FIBERGLASS INSULATION. ALL PIPING IN EXTERIOR WALLS OR IN SUSPENDED, UNHEATED SPACES SHALL HAVE 1" MIN. THICK INSULATION.

8. DOMESTIC HOT AND COLD WATER PIPING ABOVE THE GRADE SHALL BE TYPE "L" COPPER. (TYPE "K" UNDERGROUND) INSTALL DI-ELECTRIC UNIONS AT DISSIMILAR MATERIALS.

9. PROVIDE:
   A. 24" AIR CHAMBER AT ALL RISER MAINS.
   B. 12" AIR CHAMBER AT ALL PLUMBING FIXTURES.
   C. SHUT OFF VALVES AT ALL PLUMBING FIXTURES AND RISERS.
   D. NON-FREEZE SILL COCKS - VACUUM BREAKER TYPE 2.

10. ROOF VENTS SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF.

11. THE PLUMBER UNDER EITHER A WATER OR AIR PRESSURE METHOD SHALL TEST THE ENTIRE PLUMBING SYSTEM.

12. THE PLUMBING CONTRACTOR SHALL DISINFECT THE ENTIRE WATER SERVICE SUPPLY SYSTEM BEFORE SYSTEM OPERATION.

13. THE DRAIN AND SEWER SHALL BE ROOT PROOF AND WATER TIGHT AND TESTED WITH A MIN. TEN (10) FOOT WATER COLUMN.

14. FURNISH AND INSTALL GAS PIPING WITH SHUTOFF COCKS AT EACH AND EVERY APPLIANCE REQUIRING GAS, INCLUDING FURNACE, WATER HEATERS, ETC. PIPING SHALL BE SCHEDULE 40 BLACK STEEL, "GRADE A" FITTINGS SHALL BE STANDARD WEIGHT, BLACK MALLEABLE IRON OR CAST IRON SCREENED AND RATED AT 150 PSI.

15. PROVIDE WATER MIXING DEVICE AT HAND-HELD SPRAY

ALL W.H. W/ ASME APPROVED T & P VALVE RUN RELIEF AND DRAIN PIPING TO FLOOR DRAIN.

INSTALL METAL DRAIN PAN UNDER WATER HEATER

INSTALL PRESSURE RELIEF VALVES ON THE HIGH PRESSURE SIDE OF THE SYSTEM, UPSTREAM OF ANY INTERVENING VALVES

ALL PLUMBING LINES LOCATED IN UNCONDITION SPACE SUCH AS CRAWL SPACE AND EXTERIOR WALLS TO BE PROPERLY INSULATED

CONTRACTOR TO V.I.F. THE ELEVATION OF THE SANITARY AND KITCHEN WASTE IS 12" ABOVE THE CITY SEVER LEVEL

TUB AND SHOWER TEMPERATURE NOT TO EXCEED 115°F

PROVIDE BACK FLOW PREVENTION DEVICE ON ALL HAND HELD SPRAY AND TUBS

LEGEND

SYMBOL	DESCRIPTION
———————	WASTE LINE
- - - - - - - - - -	2" DIA VENT LINE
———————	COLD WATER
—— · · —— · · ——	HOT WATER

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,PC
Andrzej Kacprzynski
ARCHITECT
CEO / PRESIDENT
CELL: 7735599988 AKACPRZ@GMAIL.COM
WEBSITE: WWW.PROPLANARCHITECTS.COM
andrzej@proplanarchitects.com

PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	19-3
DRAWN BY:	A.J.
CHECKED BY:	A.K.

DRAWING
PLUMBING DIAGRAMS SCHEDULES AND NOTES

SHEET
P1.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

Doc#. 1926908230 Fee: $98.00
Edward M. Moody
Cook County Recorder of Deeds
Date: 09/26/2019 10:51 AM Pg: 1 of 2

Dec ID 20190801660194
ST/CO Stamp 1-163-331-168 ST Tax $365.00 CO Tax $182.50

TRUSTEE'S DEED
JOINT TENANCY

This indenture made this **13th** day of **August, 2019,** between **CHICAGO TITLE LAND TRUST COMPANY,** a corporation of Illinois, as successor trustee, under the provisions of a deed or deeds in trust, duly recorded and delivered to said company in pursuance of a trust agreement dated the **3rd** day of **January, 1978** and known as Trust Number **11-1448**, party of the first part, and **CRISTOBAL RODRIGUEZ AND LORENA E. GALVEZ, not as tenants in common but as joint tenants,** parties of the second part.

Reserved For Recorder's Office

WITNESSETH, That said party of the first part in consideration of the sum of **TEN and no/100 DOLLARS ($10.00) AND OTHER GOOD AND VALUABLE** considerations in hand paid, does hereby **CONVEY AND QUITCLAIM** unto said parties of the second part, **not as tenants in common, but as joint tenants,** the following described real estate, situated in Cook County, Illinois, to wit:

That part of the South 13 acres of the North East quarter of the North West quarter of Section 28, Township 42 North, Range 9, East of the Third Principal Meridian, which lies Westerly of the Westerly right of way line of the Elgin, Joliet and Eastern Railroad (except the South 84.55 feet thereof) in Cook County, Illinois.

Property Address: 15N803 Old Sutton Road, Barrington, Illinois 60010

Permanent Tax Number: 01-28-102-010-0000

together with the tenements and appurtenances thereunto belonging.

TO HAVE AND TO HOLD the same unto said party of the second part forever, not in tenancy in common, but in joint tenancy.

This Deed is executed pursuant to and in the exercise of the power and authority granted to and vested in said trustee by the terms of said deed or deeds in trust delivered to said trustee in pursuance of the trust agreement above mentioned. This deed is made subject to the lien of every trust deed or mortgage (if any there be) of record in said county to secure the payment of money, and remaining unreleased at the date of the delivery hereof.

IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be affixed, and has caused its name to be signed to these presents by its Assistant Vice President, the day and year first above written.

REAL ESTATE TRANSFER TAX		25-Sep-2019
	COUNTY:	182.50
	ILLINOIS:	365.00
	TOTAL:	547.50
01-28-102-010-0000	20190801660194	1-163-331-168

FIDELITY NATIONAL TITLE
SC19019533

CHICAGO TITLE LAND TRUST COMPANY
CORPORATE SEAL
CHICAGO, ILLINOIS

CHICAGO TITLE LAND TRUST COMPANY,
as Trustee as Aforesaid

By: Margaret O'Donnell
Assistant Vice President

State of Illinois

County of Cook SS.

I, the undersigned, a Notary Public in and for the County and State aforesaid, do hereby certify that the above named Assistant Vice President of **CHICAGO TITLE LAND TRUST COMPANY**, personally known to me to be the same person whose name is subscribed to the foregoing instrument as such Assistant Vice President appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act and as the free and voluntary act of the Company; and the said Assistant Vice President then and there caused the corporate seal of said Company to be affixed to said instrument as her own free and voluntary act and as the free and voluntary act of the Company.

Given under my hand and Notarial Seal this **13th** day of **August, 2019.**

"OFFICIAL SEAL"
SELENE SANDOVAL
Notary Public, State of Illinois
My Commission Expires 06/03/23

Selene Sandoval
NOTARY PUBLIC

This instrument was prepared by:
Margaret O'Donnell, Assistant Vice President
CHICAGO TITLE LAND TRUST COMPANY
1100 Lake Street, Suite 165
Oak Park, IL 60301

AFTER RECORDING, PLEASE MAIL TO:

NAME Cristobal Rodriguez ~~Oscar Morgan~~

ADDRESS ~~6196 Providence Dr.~~ 15 N 803 Old Sutton Rd. OR BOX NO. _____

CITY, STATE ~~Carpentersville IL 60110~~ ~~Barrington, IL. 60010~~

SEND TAX BILLS TO:

NAME Cristobal Rodriguez

ADDRESS 15N803 Old Sutton Rd.

CITY, STATE Barrington IL 60010

F. 324 R. 1/95

Plat of Survey

of

THAT PART OF THE SOUTH 13 ACRES OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 28, TOWNSHIP 42 NORTH, RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WHICH LIES WESTERLY OF THE WESTERLY RIGHT OF WAY LINE OF THE ELGIN, JOLIET & EASTERN RAILROAD (EXCEPT THE SOUTH 84.55 FEET THEREOF) IN COOK COUNTY, ILLINOIS

ADDRESS: 16N503 OLD SUTTON ROAD, BARRINGTON, ILLINOIS

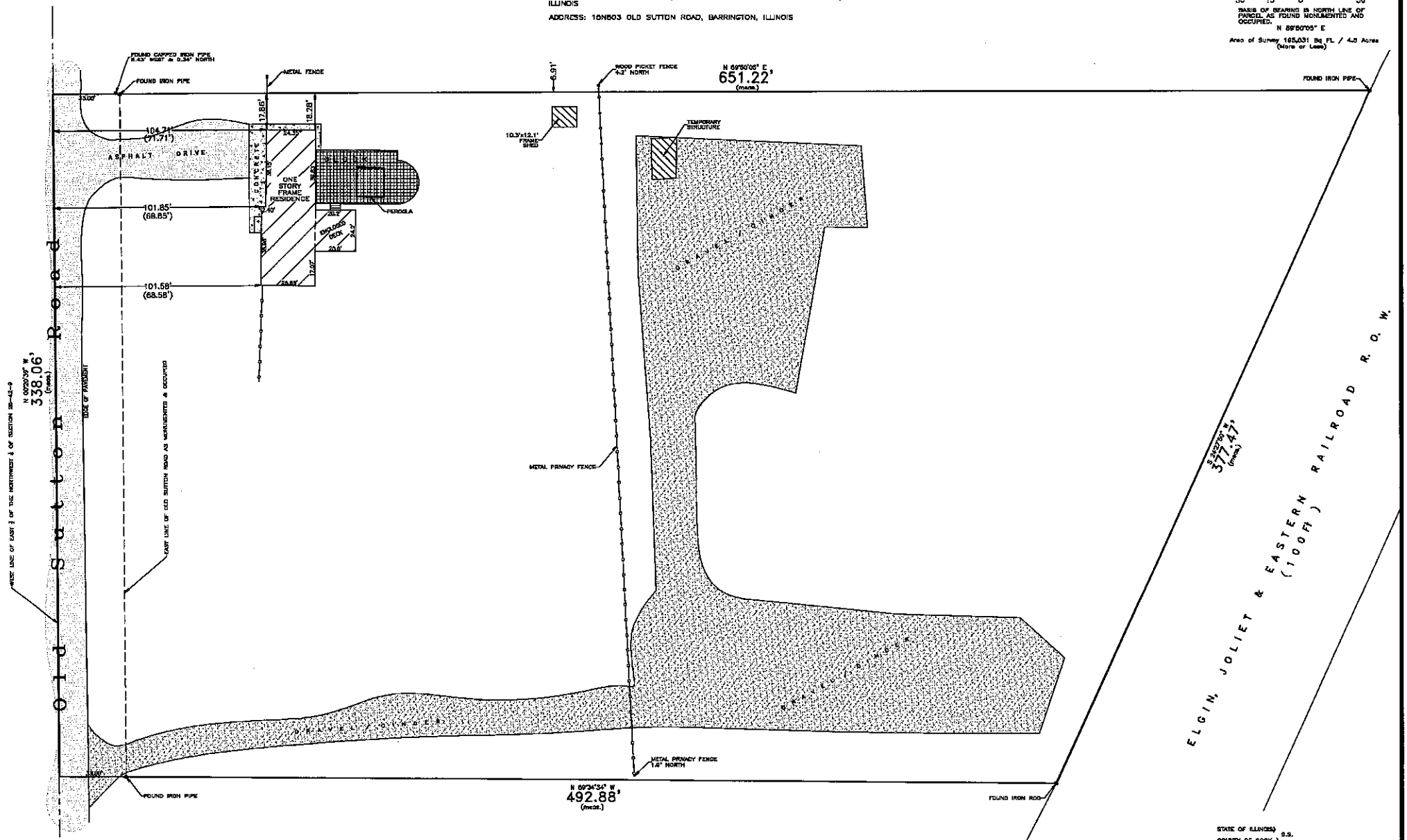
north

30' 15' 0' 30'

BASIS OF BEARING IS NORTH LINE OF PARCEL AS FOUND MONUMENTED AND OCCUPIED.

N 89°50'05" E

Area of Survey 165,031 Sq. Ft. / 4.0 Acres (More or Less)



PROFESSIONAL DESIGN FIRM NUMBER 184-004603

ON LINE SURVEYING

Residential + Commercial Land Surveying

Phone (708) 968-8145

onlinelandsurveying@gmail.com

1205 W. PETERSON AVE. Unit D

PARK RIDGE, ILLINOIS 60068

LEGEND

Iron Pipe Found: ●	Wood Fence	Interior Lot Line	
Iron Pipe Set: ●	Metal Fence	Utility & Drainage Easement	
Cross Found: +	Vinyl Fence	Building Setback Line	
Found Notch: –	Chain Link Fence	(R)=Record (M)=Measured (A)=Assumed	
		N=North / S=South / E=East / W=West	

IMPORTANT NOTES

1. This survey was prepared using a legal description provided by others.
2. Basis of Bearing is as the North Arrow indicates and is relative to the recorded plat of subdivision.
3. No construction should be done based solely on this plat, any discrepancies found must reported to the surveyor for explanation or verification. Property corners are set or monumented as possible.

Client: Chris Rodriguez		
Scale: 1"=30'	Field Crew: JM/SM	Field Work Completed: 10/06/24
Drawn By: JM	Checked By: SM	Revised: / /

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

I, JOSEPH P. MAIKISCH DO HEREBY CERTIFY THAT THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF AND ARE CORRECTED TO A TEMPERATURE OF 68 DEGREES FAHRENHEIT.

MY PROFESSIONAL LICENSE EXPIRES 11/24
DATED THIS 8th DAY OF OCTOBER A.D. 2024.

JOSEPH P. MAIKISCH
ILLINOIS PROFESSIONAL LAND SURVEYOR No. 3863

ILLINOIS PROFESSIONAL LAND SURVEYOR #3203

DEPARTMENT OF BUILDING AND ZONING
OF COOK COUNTY, ILLINOIS

Timothy P. Bleuher
COMMISSIONER OF BUILDING AND ZONING
OF COOK COUNTY

County Administration Building
69 W. Washington, Suite 2830
Chicago, IL 60602-3169
TEL (312) 603-0500
FAX (312) 603-9940
TDD (800) 526-0857

TO: Honorable KEVIN B. MORRISON
Cook County Commissioner District 15

FROM: Rubina Alam RA
Zoning Administrator

DATE: June 4, 2026

RE: Variation Application (VA-26-0017)
PIN # 01-28-102-010-0000
15 OLD SUTTON N BARRINGTON, IL 60172

Pursuant to the captioned, please find attached a Variance application for property in your District. The January, 2002 Zoning Ordinance mandates that this application be sent to the Commissioner in whose district the property is located.

This application is also being sent to the Cook County Zoning Board of Appeals. That office will set the date and time for the public hearing. If you need that information, please contact the Zoning Board of Appeals directly at (312)-603-0540.

If you have any other questions or I can be of further assistance, please do not hesitate to call me at (312)-603-0503.

Thank you.

DEPARTMENT OF BUILDING AND ZONING
OF COOK COUNTY, ILLINOIS

Timothy P. Bleuher
COMMISSIONER OF BUILDING AND ZONING
OF COOK COUNTY

County Administration Building
69 W. Washington, Suite 2830
Chicago, IL 60602-3169
TEL (312) 603-0500
FAX (312) 603-9940
TDD (800) 526-0857

June 4, 2026

TO: Cook County Zoning Board of Appeals

BY: LENNY D. ASARO for CRISTOBAL RODRIGUEZ
111 E. WACKER DRIVE
CHICAGO, IL60601

OWNER: CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON RD
BARRINGTON, IL 600109202

SUBJECT: VA-26-0017 Applicant Seeks a Variance in R-1 Single Family Residence District to increase the height of the accessory Structure from maximum allowed 15 feet to 20 feet 2 inches (proposed) to park 50 dump trucks, if the companion SU-26-0002 is granted, in section 28 of Barrington Township.

Fee of 225.00 Paid.

District 15 - KEVIN B. MORRISON

Rubina Alam
Rubina Alam
Zoning Administrator

Variance # _____

APPLICATION FOR VARIANCE FOR UNINCORPORATED COOK COUNTY

APPLICANT INFORMATION

Name Lenny D. Asaro as the attorney for Cristobal Rodriguez		
Address Taft, 111 E. Wacker Drive, Suite 2600		
City Chicago	State Illinois	Zip 60601
Phone 312-840-43921	Email lasaro@taftlaw.com	
Applicant Is: ❒ Owner X Attorney ❒ Expediter ❒ Other (specify)		

OWNER INFORMATION

Name Cristobal Rodriguez and Lorena E. Galvez		
Address 15N803 OLD SUTTON RD		
City Barrington	State IL	Zip 60010
Phone 224-629-7834	Email cristor79@hotmail.com	
Date that present owner acquired legal title on subject property 08/13/2019		

PROPERTY INFORMATION

Property Address 15N803 OLD SUTTON RD		
City Barrington	Zip 60010	Acreage of Property 4.5 acres
Location The subject property is located at 15N803 Old Sutton Rd. on the east side of the road, south of Penny Rd. and north of Route 72.		
PIN# 01 - 28 - 102 - 010 - 0000	Township Barrington	
Legal Description of Subject Property: See Survey attached as Exhibit A.		
To your knowledge, have any previous applications for variances been filed in connection with this premises? ❒ Yes ☒ No		
Present Zoning Classification R-1		

Variance # _____

REQUEST

A variance is being requested for the following reason(s):

- ☐ To reduce yard requirement
- ☐ To reduce setback requirement
- ☐ Insufficient lot area and/or lot width
- ☐ To increase the height of a fence
- ☐ To decrease the distance between principal and accessory structures
- ☐ To request same off-street parking for two or more uses.
- ☒ To increase the height of an accessory structure.
- ☐ To reduce off-street parking facilities
- ☐ To reduce off-street loading facilities
- ☐ To increase maximum distance between off-street parking facilities and use
- ☐ To increase gross area of signs
- ☐ To increase gross floor area
- ☐ To increase height of freestanding Cell Tower Facility.

State in detail the Variance requested and reasons for the above mentioned items checked

Seet Attachment No. 1

Explanation of purpose to which property will be put

See Attachment No. 2

Is public sewer available	Is public water available?
☐ Yes ☒ No	☒ Yes ☐ No

REQUIREMENTS

One (1) original plat of survey signed and sealed by a registered Illinois surveyor must accompany this application:

COUNTY OF COOK)
) s.s.
STATE OF ILLINOIS)

Lenny D. Asaro, being first duly sworn, on oath deposes and says that all of the above statements and the statements contained in the documents submitted herewith are true.

Lenny D. Asaro
Signature of applicant

Signature of applicant

Subscribed and sworn to before me this
12th Day of May, 20 26
Andrea Grace Horvath
Notary Public

"OFFICIAL SEAL"
ANDREA GRACE HORVATH
NOTARY PUBLIC, STATE OF ILLINOIS
COMMISSION NO. 987055
MY COMMISSION EXPIRES 2/14/2025

Variance # _____

STATEMENT OF EXISTING CONDITIONS ON PROPERTY

PIN# 01 - 28 - 102 - 010 - 0000		
Address 15N803 Old Sutton Road		
Township Barrington		
Are there existing structures or buildings on the site? ☒ Yes ☐ No		
If yes, describe There is a one story, 1,041 sf single family residence on the property. This residence would not be altered or affected by the new construction. The residence is owned and occupied by the Applicant.		
Height (number of stories) 1 story	Area (cover the ground) Approximately 1,04 sf	Type of Construction Single family frame residence
Will this building(s) be used if Variance is granted ☒ Yes ☐ No		
If yes, what will be the intended use? The existing residence will continue to be the owner-occupied residence for the Owner applicant.		
Will the intended use of the building(s) conform to the occupancy requirements of the Cook County Building Ordinance? ☒ Yes ☐ No		

COUNTY OF COOK)
) s.s.
STATE OF ILLINOIS)

Lenny D. Asaro, being first duly sworn, on oath deposes and says that all of the above statements and the statements contained in the documents submitted herewith are true.

Lenny D. Asaro
Signature of applicant

Subscribed and sworn to before me this
12th Day of May, 2026

Andrea Grace Horva
Notary Public

"OFFICIAL SEAL
ANDREA GRACE HORVA
NOTARY PUBLIC, STATE OF ILLIN
COMMISSION NO. 987055
MY COMMISSION EXPIRES 2/

Office Use Only
Is the Property in a floodplain? ☐ Yes ☐ No
If yes, is a TOPO available ☐ Yes ☐ No

ATTACHMENT NO. 1

The Owner seeks a variance to increase the height of a proposed accessory structure. The accessory structure is an approximately 3,000 SF garage to be located in the rear area of the subject property. The garage will have one bathroom with a sink and toilet. The garage will be for the exclusive use of the Owner, who resides on the subject property. Pursuant to Section 8.6.1.A.3 of the Zoning Ordinance, the height of an accessory structure shall not exceed a height of 15 feet or exceed the height of the principal structure, whichever is less. The principal structure, which is the single-family residence, is less than 15 feet in height. The proposed accessory structure garage will be 20'2" in height.

The subject property is improved with a single-family residence that is the Owner's principal residence. In addition to this application for a variance, the Owner has filed an application for special use unique use to allow the Owner to park not more than 50 dump trucks that are used in connection with the Owner's family business. The Owner and his wife own and operate the business for which truck storage is necessary. The Owner intends to use the proposed accessory structure garage to store personal property and vehicles and less than five dump trucks. The majority of the dump trucks will be stored in the rear of the subject property and will not be visible from the right-of-way, Old Sutton Road.

ATTACHMENT NO. 2

Currently, the subject property is improved with a single-family residence which is the Owner's primary residence. If this application for variance and the other application for special use unique use are approved, then the Owner will continue to reside in the single-family residence. Also, the Owner will use the proposed accessory structure garage to store personal property and vehicles and not more than five of the dump trucks. The balance of the dump trucks will be stored in the rear of the subject property. See Exhibit B for the site plan and garage plan set.

Variance #_____

Affidavit of Property Owner Names and Addresses

The following are the names and addresses of surrounding property owners of the property in question. Said names are as shown on the records of the County Tax Collector, and as listed on mailboxes, doorbells or signs on lots lying within 150 feet of the property lines of the lot for which the variance is sought. The County will provide notice to these properties within 150'.

The homeowner shall mail a letter notifying adjacent neighbors that bound the property with the intent to apply. You do not need to send letters to all the properties listed below, only the immediate neighbors surrounding the property. A sample letter can be found in this application package. (When a condominium development is within 150 feet of the subject property, notice need only be sent to the condominium association). Please use additional pages as needed.

Name	Address	City	Zip

See next page labeled "Property Owner Names and Addresses".

_ COUNTY OF COOK

} s. s.

STATE OF ILLINOIS

I (we) certify that the above are true to the best of my (our) knowledge and belief.

Lenny W. Asaro

Signature of applicant

Signature of applicant

Subscribed and sworn to before me this

12th Day of May, 20 26

Andrea Grace Horvath

Notary Public

"OFFICIAL SEAL"
ANDREA GRACE HORVATH
NOTARY PUBLIC, STATE OF ILLINOIS
COMMISSION NO. 987055
MY COMMISSION EXPIRES 2/14/2028

Property Owner Names and Addresses

01-28-102-010-0000
CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON RD
BARRINGTON, IL 60010

01-28-102-011-0000
MILLER BROS LANDSCAPNG
15 N 701 OLD SUTTON RD
BARRINGTON, IL 60010

01-28-102-017-0000
DAVID J SANFILIPPO
190 W PENNY RD
BARRINGTON, IL 60010

01-28-102-020-0000
EUGENIU CATAREV
190 W PENNY ROAD
BARRINGTON, IL 60010

01-28-201-001-0000
KLEHM PROPERTIES INC
197 W PENNY ROAD
S BARRINGTON, IL 60010

01-28-201-001-0000
KLEHM PROPERTIES INC
197 W PENNY ROAD
S BARRINGTON, IL 60010

01-28-100-003-0000
VILL. OF BARR. HILLS
112 ALGONQUIN RD.
BARRINGTON HILLS, IL 60010

01-28-101-003-0000
VILL. OF BARR. HILLS
112 ALGONQUIN RD.
BARRINGTON HILLS, IL 60010

01-28-102-009-0000
TAXPAYER OF
506 NEW SUTTON RD.
S. BARRINGTON, IL 60010

01-28-102-019-0000
TAXPAYER OF
15 OLD SUTTON RD.
DUNDEE, IL 60118

01-28-500-002-0000
E J & E RAILWAY
800 ELA RD.
LAKE ZURICH, IL 60047

Variance #_____

Department of Building and Zoning
Applicant's Statement

1. I have in my possession a copy of the "Rules of Practice and Procedure" issued by the Zoning Board of Appeals.

2. I am aware that filing fees may not be refunded.

3. To the best of my knowledge, violation of the Cook County Zoning Ordinance now
___ DOES X__ DOES NOT exist on the subject property. If it does Violation #_____

4. To the best of my knowledge, no deed restrictions or private covenants prevent the use, change of zone, special use, or variation sought in this application.

5. As an applicant, I am a lawyer or have been advised of the recommendation of the Zoning Board of Appeals that I obtain legal counsel of my choice to assist me in the preparation and presentation of my case.

6. I have been informed that Public Hearing dates are set by the Zoning Board of Appeals and that I will receive Notice of that date by certified mail at least fifteen (15) days before the Public Hearing.

7. I am aware that I may arrange, or request the assistance of the Secretary of the Zoning Board in arranging for the attendance of a court reporter at the hearing at my expense. I understand that if a court reporter is not present or is unable to make a complex transcript of the entire hearing, regardless of length; my case might be adversely affected by the lack of a complete record of the hearing.

8. I acknowledge that it is my responsibility to prepare all exhibits, arrange for the appearance of qualified witnesses and to have at the Hearing all documents relevant to this case.

9. With respect to soil, water and fire matters:

   a. For the proposed P.U.D. (planned unit development), I am aware of the applicable ordinance, rules and regulations pertaining to water retention and run-off and understand that failure to prove compliance herewith, will result in denial of my P.U.D. application.

   b. Except in variation cases, at the hearing I will present evidence of having informed the jurisdictional fire protection district of my plans.

10. Planned Unit Development Applications: Applicant must submit a copy of the preliminary site plan, showing ingress, egress, drainage and parking to the Chief Engineer of the Transportation and Planning Bureau of the Cook County Highway Department for preliminary approval. A public hearing date will be set only upon the submission and approval of said plat.

11. I have been informed of the Zoning Board's presumption of the general desirability of planned developments, where appropriate, and will either seek a planned development, where appropriate, or will offer reasons at the hearing for its inappropriateness in my case.

Applicant Signature Lenny W. Caaro Date MAY 12, 2026

Variance Checklist

Please check each box ensuring documents and drawings are included in the submittal.

If the items in 10-12 are not applicable, indicate "NA"

Item#	Description	Checklist
1.	Completed Variance Application (Pages 1-3).	X
2.	Application documents are notarized.	X
3.	Plat of Survey, no older than 5 years of age, showing surveyor's seal.	X
4.	Site Plan (showing dimensions) of proposed / existing construction.	X
5.	Recorded Deed or Title Policy proving ownership.	X
6.	Copy of the letter of notification sent to neighbors.	X
7.	Certified Mail Receipts to confirm mailings. (Please keep the return receipts).	X
8.	Affidavit of Property Owner Names and Addresses within 150' of lot lines, notarized.	X
9.	Check made payable to "Cook County Collector" (see fee schedule).	X
10.	Cook County Health Dept. approval for variances due to insufficient lot area / width on septic.	N/A
11.	Photos when a variance is for existing non-conforming structures.	N/A
12.	Letter of Authorization if the applicant is a party other than the property owner.	N/A

EXHIBIT A

PLAT OF SURVEY OF SUBJECT PROPERTY
15N803 OLD SUTTON ROAD BARRINGTON, IL 60010

Plat of Survey

of

THAT PART OF THE SOUTH 13 ACRES OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 28, TOWNSHIP 42 NORTH, RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, WHICH LIES WESTERLY OF THE WESTERLY RIGHT OF WAY LINE OF THE ELGIN, JOLIET & EASTERN RAILROAD (EXCEPT THE SOUTH 84.55 FEET THEREOF) IN COOK COUNTY, ILLINOIS

ADDRESS: 15N803 OLD SUTTON ROAD, BARRINGTON, ILLINOIS

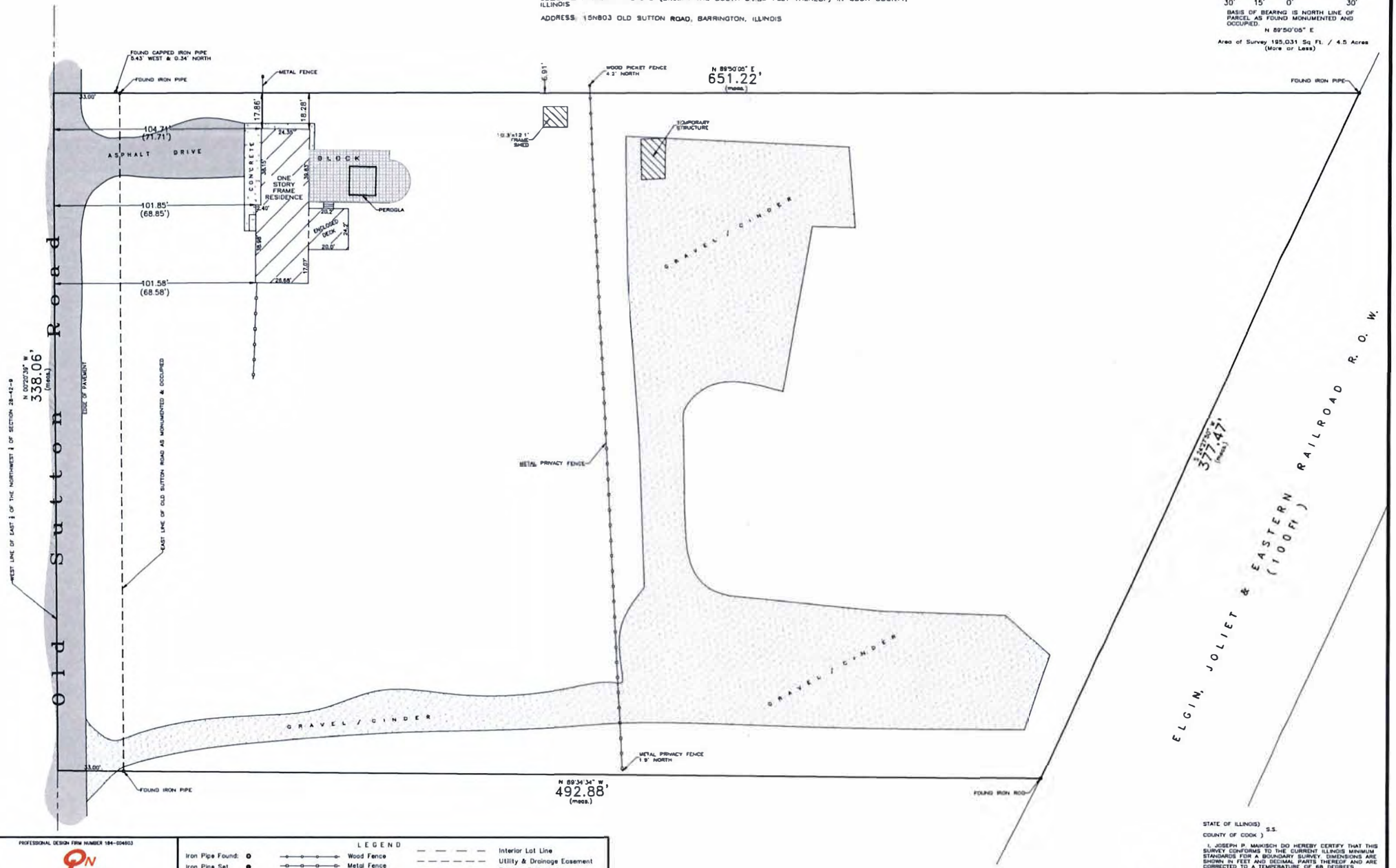
north

30' 15' 0' 30'

BASIS OF BEARING IS NORTH LINE OF PARCEL AS FOUND MONUMENTED AND OCCUPIED.

N 89°50'05" E

Area of Survey 195,031 Sq Ft. / 4.5 Acres (More or Less)



PROFESSIONAL DESIGN FIRM NUMBER 184-004603

ON LINE SURVEYING

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Phone (708) 968-8145

onlinelandsurveying@gmail.com

1205 W. PETERSON AVE. Unit D
PARK RIDGE, ILLINOIS 60068

LEGEND

Iron Pipe Found:	O	Wood Fence	Interior Lot Line
Iron Pipe Set	●	Metal Fence	Utility & Drainage Easement
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Found Notch	–	Chain Link Fence	

(R)=Record (M)=Measured (A)=Assumed
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2. Basis of Bearing is as the North Arrow indicates and is relative to the recorded plat of subdivision.
3. No construction should be done based solely on this plat, any discrepancies found must reported to the surveyor for explanation or verification. Property corners are set or monumented as possible.

Client: Chris Rodriguez		
Scale: 1"=30'	Field Crew: JM/SM	Field Work Completed: 10/06/24
Drawn By: JM	Checked By: SM	Revised: / /

STATE OF ILLINOIS) S.S.
COUNTY OF COOK)

I, JOSEPH P. MAIKISCH DO HEREBY CERTIFY THAT THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF AND ARE CORRECTED TO A TEMPERATURE OF 68 DEGREES FAHRENHEIT.

MY PROFESSIONAL LICENSE RENEWS 11/24
DATED THIS 8th DAY OF OCTOBER, A.D. 2024.

JOSEPH P. MAIKISCH
ILLINOIS PROFESSIONAL LAND SURVEYOR
No. 3253

ILLINOIS PROFESSIONAL LAND SURVEYOR #3253

EXHIBIT B

PROPOSED SITE PLAN FOR
15N803 OLD SUTTON ROAD BARRINGTON, IL 60010

PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 OLD SUTTON RD BARRINGTON, IL 60010

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES OF THE LOCAL JURISDICTION, CITY OF SAINT CHARLES AND THE STATE OF ILLINOIS AT THE TIME OF PERMIT AND CONSTRUCTION.

2. ALL INTERIOR DIMENSIONS ARE TO THE ROUGH FACE OF THE WALL UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.

4. VARIATIONS IN THE FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IN WRITTEN. WORK SHALL NOT PROGRESS UNTIL CLARIFICATION FROM THE ARCHITECT IS OBTAINED.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS BY INDIVIDUAL SUB CONTRACTORS SHALL BE REMOVED FROM THE BUILDING AND ADJOINING PROPERTY ON A DAILY BASIS.

6. ALL WORK SHALL BE ERECTED PLUMB, LEVEL AND TRUE AND IN ACCORDANCE WITH DETAILS. EXCESSIVELY SCUFFED, SCRATCHED, DENTED OR OTHERWISE DAMAGED FINISHED SURFACES MUST BE REPAIRED OR REPLACED AS DIRECTED BY OWNER.

7. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND CONSTRUCTION PRIOR TO EXCAVATION AND NOTIFY ARCHITECT UPON FINDING ANY SUCH ADVERSE CONDITION/ CONSTRUCTION (CALL J.U.L.I.E.).

8. EXCAVATOR, CONCRETE CONTRACTOR AND G.C. TO NOTIFY UTILITY COMPANIES PRIOT TO EXCAVATING FOR GAS, WATER, ELECTRIC, SEWER, CABLE AND TELEPHONE LINES (CALL J.U.L.I.E.)

9. EXCAVATING CONTRACTOR RESPONSIBLE FOR ROUGH GRADING. LANDSCAPE CONTRACTOR RESPONSIBLE FOR FINISH GRADING.

10. DO NOT SCALE DRAWINGS. LARGE SCALE DRAWINGS AND DETAILS GOVERN OVER SMALLER SCALE DRAWINGS.

11. FLASHING TO BE PROVIDED AT ALL EXTERIOR OPENINGS, INCLUDING WINDOW HEADS, HORIZONTAL WOOD TRIM, STOPS, WINDOW AND DOOR SILLS, AT BOTTOM OF ALL CAVITY WALLS, AT ALL ROOF VALLEYS AND AT CHIMNEY INTERSECTIONS AND SHALL BE INSTALLED IN SUCH A MANNER TO BE LEAK PROOF.

12. EXCAVATE LOOSE FILL AND PROVIDE COMPACTED FILL TO LEVEL OF CRUSHED GRAVEL.

13. SMOKING IS PROHIBITED IN BUILDING OR ON SITE EXCEPT FOR DESIGNATED SMOKING AREAS.

14. ALL NAILS, SCREWS, ETC. SHOULD BE SECURED DAILY.

15. ALL PERMIT FEES OR BUSINESS LICENSES TO BE PAID BY RESPECTIVE SUB CONTRACTORS.

16. OWNER SHALL PAY THE GENERAL BUILDING PERMIT FEE.
17. THE GENERAL CONTRACTOR SHALL PROVIDE A "PORT-A-JOHN" FOR USE DURING THE DURATION OF CONSTRUCTION. THE LOCATION SHALL BE APPROVED BY THE OWNER.

18. "ABC" FIRE EXTINGUISHERS TO BE VISIBLE & ACCESSIBLE WHERE REQUIRED.

19. THE SUB-CONTRACTORS SHALL NOTIFY THE OWNER IF DRIVEWAY, ELECTRICAL POWER OR PLUMBING SUPPLIES WILL BE CUT UP SERVICE FOR A PERIOD GREATER THAN SIX HOURS. THIS NOTICE SHOULD BE GIVEN 24 HOURS IN ADVANCE.

20. ALL INTERIOR FINISHES TO MEET CLASS 1 FLAME SPREAD (0-25 F.S.R.)

21. ALL EXIT DOORS TO BE KEYLESS IN THE DIRECTION OF EXIT.

22. ALL CONTRACTORS, SUB-CONTRACTORS, AND SUPPLIERS MUST HAUL AWAY A GARBAGE, DEBRIS, AND SCRAPS RESULTING FROM THEIR WORK AT THE SITE. THE ABOVE MUST BE SWEPT UP AT THE END OF EACH DAY AND HAULED AWAY. NO DEBRIS SHALL BE PLACED FOR REMOVAL BY THE OWNERS SITE GARBAGE COLLECTION SERVICE. ANY DEBRIS LEFT BY CONTRACTORS, SUB CONTRACTORS, OR SUPPLIERS SHALL HAULED AWAY AT THEIR EXPENSE.

23. ROUGH CARPENTER TO PROVIDE 2X12 BLOCKING AT ALL BATH ACCESSORY LOCATIONS, ACCESSIBILITY HANDRAIL LOCATIONS, AND ALL CLST SHELF LOCATIONS.

24. ALL FINISH WOOD FLOOR AND WOOD TRIM MATERIAL TO BE ON SITE TO ACCLIMATE MIN. 7 DAYS PRIOR TO INSTALLATION.

25. FOR ALL OWNER SUPPLIED ITEMS TO BE DELIVERED F.O.B. TAILGATE. CONTRACTOR IS RESPONSIBLE FOR LOADING AND STORAGE OF MATERIALS.

26. COORDINATE DOOR HARDWARE TYPE WITH OWNER/ARCHITECT PRIOR TO BORING DOORS.

27. "JOB COPY" ORIGINAL PERMIT DRAWINGS AND THE ORIGINAL PERMIT CARD TO BE KEPT AT THE JOB SITE AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

28. ALL CONTRACTORS AND SUB-CONTRACTORS RESPONSIBLE FOR ALL APPLICABLE PERMITS, BONDS, AND INSURANCE. CONTRACTOR TO SAVE AND PROVIDE TO OWNER ALL PAPERWORK AND LITERATURE PROVIDED WITH ANY OWNER AND/OR CONTRACTOR SUPPLIED ITEM.

29. THE G.C. SHALL NOT PROCEED WITH ANY ADDITIONAL WORK OR CHANGES FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE ORIGINAL CONTRACT AMOUNT, WITHOUT WRITTEN AUTHORIZATION FROM OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

30. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/OWNER.
31. PROVIDE EXPANSIVE "FIRE-STOP" PUTTY AT ALL THROUGH-PLATE PENETRATIONS AND 2X4 BLOCKING AT ALL SOFFITS. FIRESTOPPING SHALL BE PROVIDED AT ALL JUNCTIONS OF VERTICAL AND HORIZONTAL INCLOSED SPACES, SUCH AS TOPS OF STAIRS, BOT. OR BACK SIDES OF SOPHIST. TOPS OF PLUMBING WALLS, ETC.

32. ALL FLOOR FINISHES SHALL HAVE F.S.R. NOT GREATER THAN 75.

33. THESE DRAWINGS INDICATE THE INTENT, GENERAL CHARACTER, REQUIREMENTS AND APPROXIMATE LOCATION OF THE WORK SHOWN. THE CONTRACTOR SHALL BE EXPECTED TO WORK WITH UNFORESEEN FIELD CONDITIONS, REQUIRING MINOR DESIGN ADJUSTMENTS AND SHALL BE EXPECTED TO PROVIDE A FULLY COMPLETE AND OPERATIONAL BUILDING AND ALL BUILDING SYSTEMS.

34. ALL CONTRACTORS SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ARCHITECT AND THEIR AGENTS FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY FEES ARISING OUT OF PERFORMANCE OF THE WORK WHEN ANY SUCH CLAIMS ARE ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DEATH, INJURY OR DESTRUCTION TO PROPERTY OR WHEN SUCH CLAIMS ARE CAUSED IN PART OR IN FULL BY ANY NEGLIGENCE OR OMISSION BY THE CONTRACTOR OR HIS AGENTS. THIS NEGLIGENCE INCLUDES FAILURE TO OBSERVE CONTRACT DOCUMENTS PROVIDED BY ARCHITECT.

35. ALL CONTRACTORS TO VISIT PREMISE NOTE CONDITIONS PERTAINING TO WORK TO BE DONE, CHECK AND VERIFY ALL NOTES, FIGURES AND DIMENSIONS AT THE SITE BEFORE FABRICATING ANY NEW CONSTRUCTION. VARIATION IN FIELD CONDITIONS RELATIVE TO CONTRACT DOCUMENTS SHALL BE REPORTED TO ARCHITECT IN WRITING, AND WORK SHALL NOT PROGRESS UNTIL PERMISSION FROM ARCHITECT OR HIS AGENT IS OBTAINED.

36. ALL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS & ELEVATIONS AT THE SITE AND MUST ADOPT HIS WORK TO ACTUAL CONDITIONS IN MANNER APPROVED BY ARCHITECT AT NO ADDITIONAL COST TO OWNER.

37. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH CONTRACT DOCUMENTS, UNRELIEVED BY REVIEW BY SHOP DRAWINGS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING SCAFFOLDING, BRACING, ERECTION, ETC), FOR COORDINATION OF THE VARIOUS TRADES, FOR SAFE CONDITIONS ON JOB SITE, AND FOR THE PEOPLE AND PROPERTY AT THE SITE.

38. INFORMATION CONTAINING ON THE DRAWING IS INITIALLY INCOMPLETE, AND VOID UNLESS USED IN CONJUNCTION WITH ALL SPECIFICATIONS, TRADE PRACTICES, AND APPLICABLE STANDARDS, CODES, ETC. INCORPORATED THEREIN BY REFERENCE OF WHICH THE CONTRACTOR CERTIFIES KNOWLEDGE BY SIGNING THE CONTRACT.

SITE NOTES:

1. CALL "NOTLINE" TO HAVE EXISTING UNDERGROUND UTILITIES LOCATED.

2. VERIFY UTILITY CONNECTIONS WITH UTILITY CO.

3. GENERAL CONTRACTOR TO PATCH AND MATCH ALL EXISTING SIDEWALKS, CURBS, AND PAVING REMOVED FOR UTILITY WORK. ALL WORK TO MEET EXISTING PROFILES AND ALL ILLINOIS STANDARDS FOR PAVING WORK.

4. SLOPE GRADE MINIMUM 6" IN FIRST 10 FEET AWAY FROM BUILDING.

5. GRADE TO BE 6" BELOW FLOOR LINE, EXCEPT AT ENTRY.

6. ALL CONCRETE WORK SHALL COMPLY WITH CURRENT A.C.I. STANDARDS.

7. ALL EXIT DOORS, THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THRESHOLD (MAX. 1/2" HIGH).

8. SLOPE ALL CONCRETE STOOPS AND WALKS AWAY FROM BUILDING. MIN. 1/4" PER FOOT. BROOM FINISH.

9. VERIFY AND PROTECT ALL EXISTING UTILITIES.

10. PAINT ALL EXPOSED METAL NOT PRE-FINISHED.

11. PAINT 4" WIDE PARKING STALL STRIPES.

12. CONTRACTOR SHALL RESTORE EXISTING LAWN AREAS, CONCRETE GRASS, CURBS, PAVEMENT, ETC. DAMAGED BY OR DURING CONSTRUCTION.

CARPENTRY NOTES:

1. INSTALL DOUBLE FRAMING AROUND ALL FLOOR OR ROOF OPENINGS OR AS INDICATED. INCLUDING STAIRS OPENINGS AND ACCESS PANELS.

2. DO NOT CUT OR DRILL THROUGH THE BOTTOM THIRD OF ANY BEAM OR JOIST.

3. AN INSPECTION OF FLOOR JOISTS MUST BE CONDUCTED BEFORE COVERING WITH SHEATHING.

4. DRYWALL NOTE: USE 5/8" GYPSUM BOARD THROUGHOUT. USE FIRECODE TYPE "X" AT STAIRS, CLOSETS AND BEARING WALLS.

LUMBER NOTES:

1. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE WOLMANIZED LUMBER.

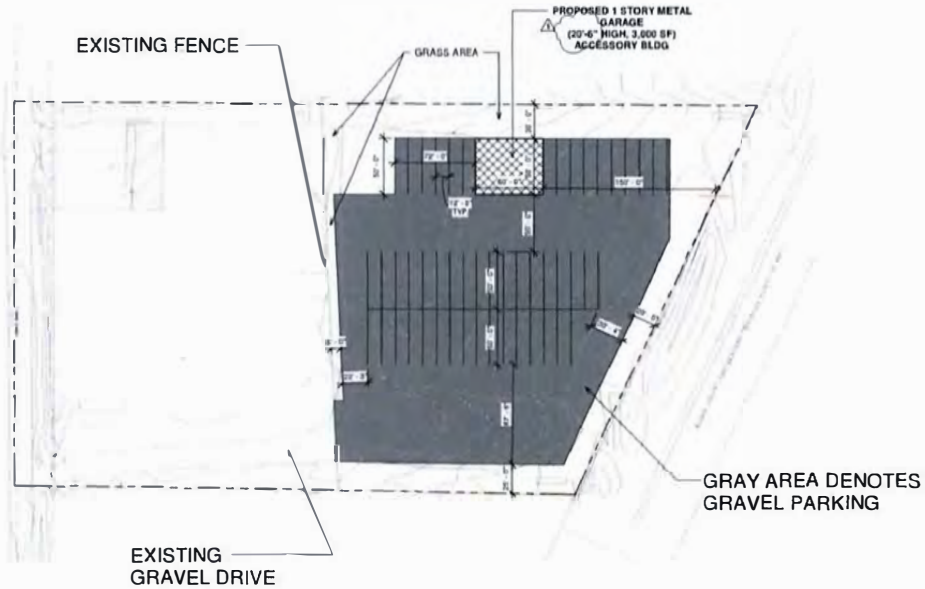
2. PIPE SHAFTS AND DUCTS PASSING FROM ONE FLOOR TO ANOTHER SHALL BE ENCLOSED WITH CONSTRUCTION PROVIDING FIRE RESISTANCE OF NOT LESS THAN ONE HOUR EXCEPT THAT PIPES AND DUCTS REQUIRING OPENINGS THROUGH FLOORS NOT EXCEEDING 6 SQ.FT. IN AREA SHALL NOT REQUIRE ENCLOSURE, PROVIDED THAT OPENINGS BETWEEN SUCH PIPES OR DUCTS AND THE FLOOR CONSTRUCTION SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIALS SECURELY HELD INPLACE TO PREVENT THE PASSAGE OF FIRE.

SUPERVISION NOTES:

THESE PLANS WERE PREPARED BY THE ARCHITECT FOR DESIGN ONLY NO SUPERVISION BY THE ARCHITECT SHALL BE PROVIDED AT THE JOB SITE. THE WORK IN PROGRESS OR SCHEDULING ANY WORK RESPECTIVE TO THE JOB SHALL NOT BE GOVERNED BY ARCHITECT.

STRUCTURAL GENERAL NOTES:

1. CONTRACTOR SHALL MAINTAIN ADEQUATE PROTECTION OF ALL WORK FROM DAMAGE AND PROTECT OWNER'S PROPERTY FROM INJURY OR LOSS ARISING IN CONNECTION WITH THIS WORK.
2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES AND COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND MUNICIPAL LAWS TO PREVENT ACCIDENT OR INJURY TO PERSONS OR ADJACENT TO THE AREA WHERE THE WORK BEING PERFORMED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ARCHITECT OF DISCREPENCIES BEFORE BORING ANY WORK.
4. ALL CONCRETE REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE AMERICAN CONCRETE INSTITUTE ACI-315 AND THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI-318-89.
5. ALL CONCRETE SHALL BE REGULAR WEIGHT (144 PSF) CONCRETE AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 LBS. PER SQ. INCH (28 DAYS MINIMUM CEMENT CONTENT 5 BAGS PER CU YD.
6. ALL CONCRETE REINFORCING SHALL BE DEFORMED BARS A.S.T.M. A615 GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
7. ALL STRUCTURAL STEEL BEAMS AND LINTELS SHALL BE A36 STEEL.
8. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE STEEL CONSTRUCTION MANUAL OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
9. ALL BOLTS SHALL BE A.S.T.M. A307.
10. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS USING COATED ELECTRODES OF E60XX.
11. ALL WELDS SHALL CONFORM WITH THE AMERICAN WELDING SOCIETY SPECS.
12. ALL DRILLED-IN CONCRETE ANCHORS SHALL BE WEDGE TYPE AS MANUFACTURED BY "RED-HEAD" ITT PHILLIPS DRILL CO., MICHIGAN CITY, IND. OR EQUAL.
13. ALL STEEL SHALL HAVE ONE SHOP COAT OF A RUST INHIBITING PAINT.
14. ALL MORTAR FOR MASONRY WALL CONSTRUCTION SHALL BE TYPE "M" AND CONFORM TO A.S.T.M. C270 SPECIFICATION.
15. ALL PORTLAND CEMENT GROUT SHALL CONFORM TO A.S.T.M. C476 SPECIFICATIONS.



3 PROPOSED SITE PLAN
1" = 50'-0"

BUILDING INFORMATION:

- TYPE OF CONSTRUCTION - TYPE IIIB
- USE GROUP - / S-2
- BUILDING AREA : GRADE-3000 SF

ADOPTED CODES:

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL RESIDENTIAL CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH ILLINOIS AMENDMENTS*
- 2021 INTERNATIONAL FIRE CODE
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- COOK COUNTY PLUMBING CODE
- 2014 COOK COUNTY ELECTRICAL CODE

SHEET INDEX

SHEET #	SHEET NAME
A0.0	COVERSHEET
A0.1	ACCESSIBILITY NOTES
A2.1	PLANS
A3.0	ELEVATIONS
M1.0	MECHANICAL PLAN
E1.0	ELECTRICAL PLANS
P1.0	PLUMBING DIAGRAMS / SCHEDULES AND NOTES

CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE THEY COMPLY WITH THE ZONING ORDINANCES AND BUILDING CODES OF COOK COUNTY AND THE STATE OF ILLINOIS.

8/4/2024

ANDRZEJ KACPRZYNSKI
ILLINOIS LICENSE # 001.021686, EXPIRES: 11.30.24

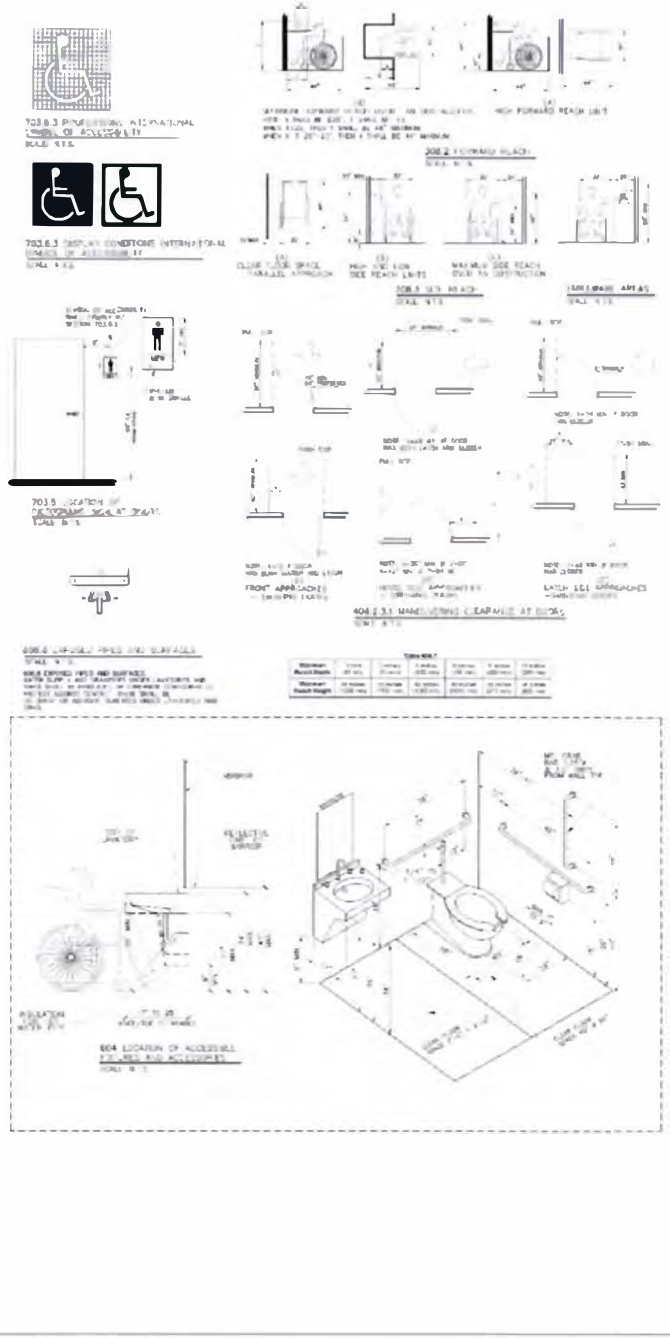
8/27/24

ISSUE DATES

PROPOSED ONE STORY MTL STORAGE BUILDING
15N803 Old Sutton Rd Barrington, IL 60010

DRAWING COVER SHEET

SHEET
A1.0



2018 IBC/IRC ACCESSIBILITY CODE

CHAPTER 3 BUILDING BLOCKS

301 General

301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or elsewhere in this code.

Alternate to requirement in the document

302 Floor or Ground Surfaces

302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302.

[illegible]

CHAPTER 4 ACCESSIBLE ROUTES

401 General

401.1 Scope. The provisions of Chapter 4 shall apply where required by Chapter 2 or elsewhere in this code.

402 Accessible Routes

402.1 General. Accessible routes shall comply with 402.

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps, including the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall be stable, firm, and slip resistant.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within enclosed sports areas, clearances on court or playing surfaces shall be permitted to be decreased by rules and equipment provided that the decreased clearances do not affect the safety of players or officials.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that passing spaces at intervals of 200 feet (61 m) maximum are provided.

403.5.2 Clear Width at Turns. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

EXCEPTION: Where the clear width at the turn is 48 inches (1220 mm) minimum or greater, the clear width of the approach and departure legs shall be 36 inches (915 mm) minimum.

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either a space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

EXCEPTION: Where the clear width of the walking surface provides a T-shaped space complying with 304.3 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

403.5.4 Turning Space. Turning space shall comply with 304.

403.5.5 Clearance around a door. Clearance around a door shall comply with 404.2.4.

403.6 Ground and Floor Surfaces. Ground and floor surfaces shall be stable, firm, and slip resistant.

403.7 Protruding Objects. Protruding objects shall not reduce the clear width required for walking spaces.

403.7.1 General. Protruding objects shall comply with 307.

EXCEPTION: Handrails complying with 505 may extend up to 4.5 inches (114 mm) into the clear width required for walking spaces.

403.7.2 Protruding Objects. Where protruding objects occur on walks or other walking surfaces, the clear width of the walking surface shall be measured at a height of 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground.

403.7.3 Protruding Objects. Protruding objects shall not reduce the clear width required for walking spaces.

403.7.4 Protruding Objects. Protruding objects shall not reduce the clear width required for walking spaces.

403.7.5 Overhangs. Where overhangs are created adjacent to a walking surface, the walking clearance required by 403.5.1 and 403.5.2 shall be permitted to reduce the required walking area.

403.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.

EXCEPTION: In those employee work areas, handrails shall not be required where ramps that are part of common use circulation paths are designed to permit the installation of handrails at a future date. Ramp runs with a rise greater than 6 inches (150 mm) shall be designed to maintain a 36 inch (915 mm) minimum clear width when handrails are installed.

403.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and on each side of ramp landings.

[illegible]

CHAPTER 5 ACCESSIBLE ELEMENTS

501 General

501.1 Scope. The provisions of Chapter 5 shall apply where required by Chapter 2 or elsewhere in this code.

502 Parking Spaces

502.1 General. Parking spaces shall comply with 502.

502.2 Vehicle Space Size. Vehicle spaces shall be 96 inches (2440 mm) minimum in width.

502.3 Access Aisle. Access aisles shall be 60 inches (1525 mm) wide minimum for car and van spaces.

[illegible]

CHAPTER 6 COMMUNICATION ELEMENTS AND FEATURES

601 General

601.1 Scope. The provisions of Chapter 6 shall apply where required by Chapter 2 or elsewhere in this document.

[illegible]

CHAPTER 7 COMMUNICATION ELEMENTS AND FEATURES

701 General

701.1 Scope. The provisions of Chapter 7 shall apply where required by Chapter 2 or elsewhere in this document.

[illegible]

ISSUE DATES
[illegible]

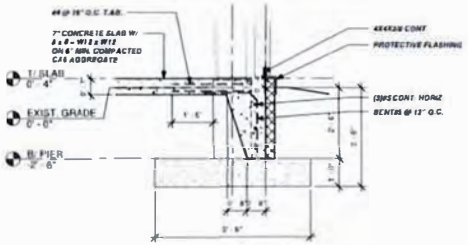
PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

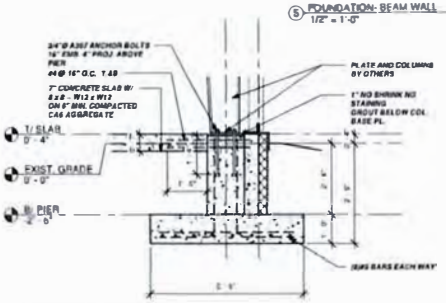
DRAWING
ACCESSIBILITY NOTES

SHEET
A1.1

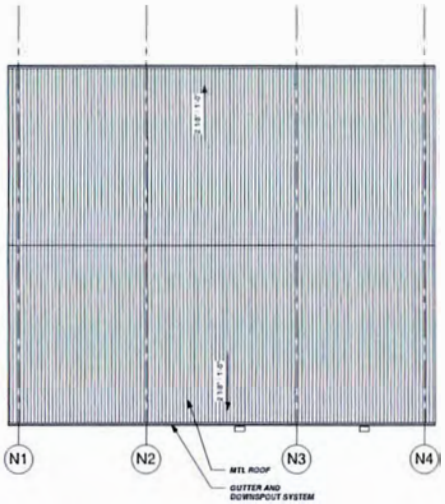
8/27/24



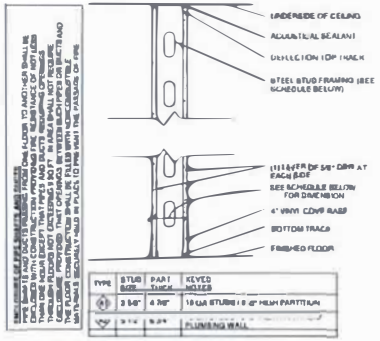
5 FOUNDATION- BEAM WALL
1/2" = 1'-0"



6 FOUNDATION- COLUMN PIER
1/2" = 1'-0"



2 PROPOSED ROOF PLAN
1/8" = 1'-0"



TYPE	STUD SIZE	PART THICK	KEYED NOTES
1	3 5/8"	4 7/8"	18 GA STUDS @ 16" HIGH PARTITION
2	3 1/4	6 3/4"	PLUMBING WALL

A TYP. INTERIOR PARTITION
1 1/2" = 1'-0"

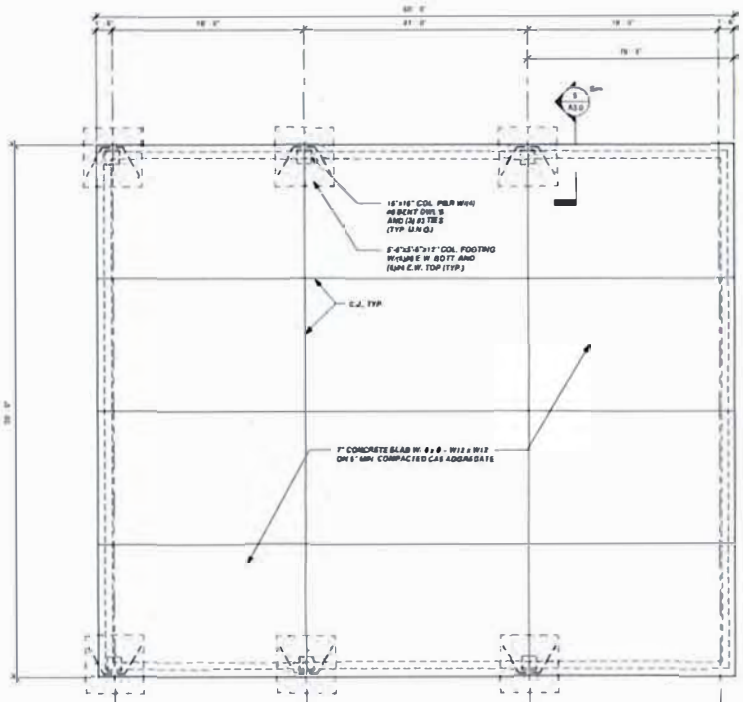
WALL AND CEILING FINISHES
FLAME SPREAD CLASS TO BE MIN. TYPE "A"

DOOR SCHEDULE

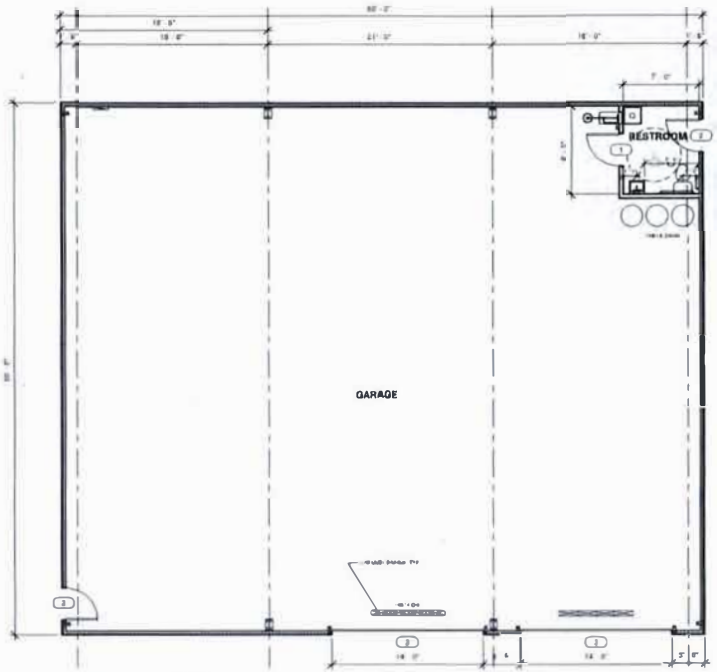
DOOR TYPE	WIDTH	HEIGHT	THK.	DESCRIPTION
1	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME INTERIOR
2	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME ENTER
3	14'-0"	14'-0"	1 3/4"	METAL INSULATED O H DOOR

PROVIDE SELF CLOSERS AT RESTROOMS & EXTERIOR DOORS
DOOR LEVER HANDLES AT ALL PUBLIC DOORS

ALL GARAGE DOORS MIN U-VALUE 0.31
ALL EXTERIOR SWINGING DOORS MIN U-VALUE 0.27



4 PROPOSED FOUNDATION PLAN
3/16" = 1'-0"



1 GRADE - PROPOSED FLOOR PLAN
3/16" = 1'-0"

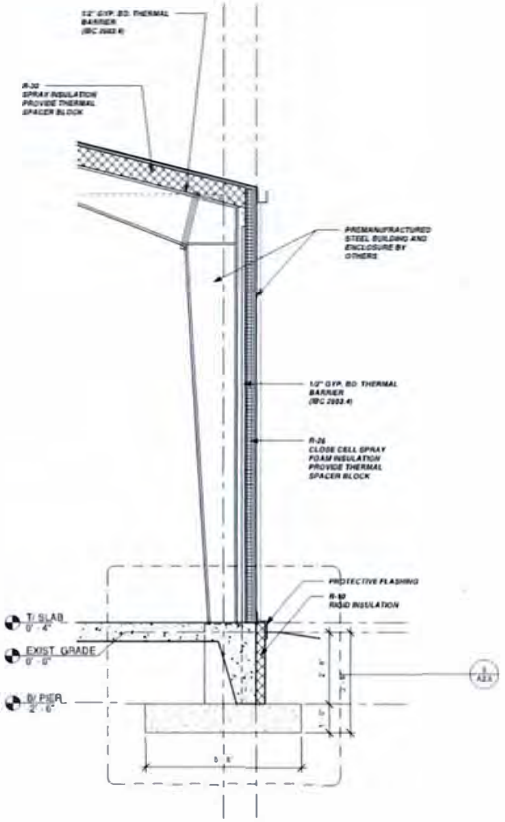
ISSUE DATES

PROPOSED ONE STORY MTL STORAGE BUILDING
15N803 Old Sutton Rd Barrington, IL 60010

DRAWING PLANS

SHEET
A2.0

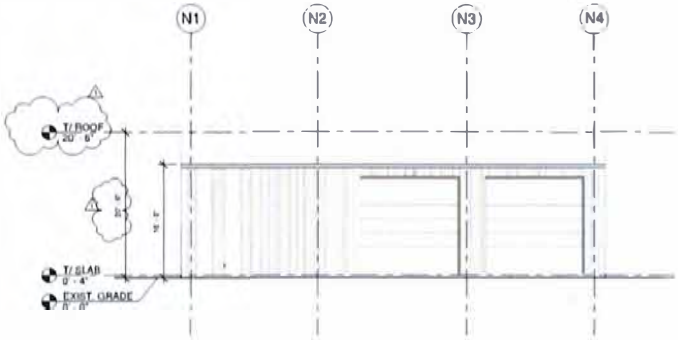
8/27/24



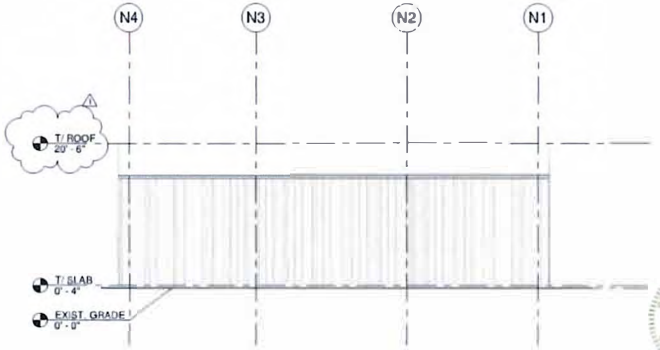
5 TYP. WALL SECTION
1/2" = 1'-0"

4 PROPOSED EAST ELEVATION
1/8" = 1'-0"

3 PROPOSED WEST ELEVATION
1/8" = 1'-0"



1 PROPOSED SOUTH ELEVATION
1/8" = 1'-0"



2 PROPOSED NORTH ELEVATION
1/8" = 1'-0"

ISSUE DATES

2023	PERMIT SET

PROPOSED ONE STORY MTL STORAGE BUILDING

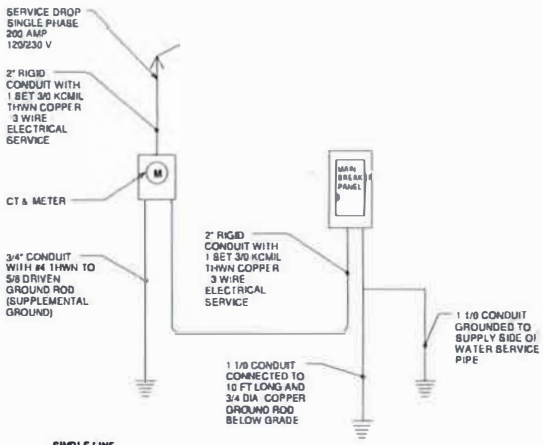
15N803 Old Sutton Rd Barrington, IL 60010

JOB NO. 19-3
DRAWN BY A.T.
CHECKED BY A.K.

DRAWING ELEVATIONS

SHEET A3.0

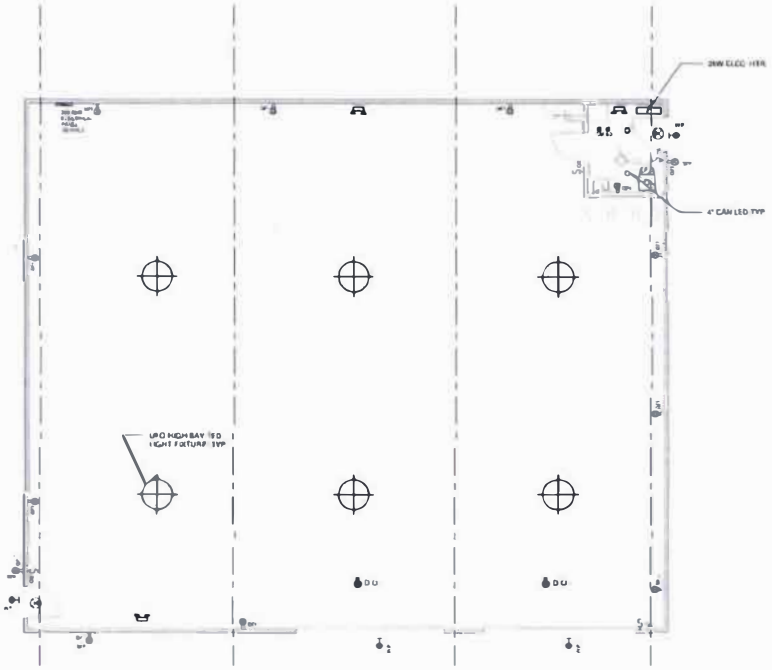
8/27/24



SINGLE LINE DIAGRAM
SCALE N.T.S.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	ELECTRICAL PANEL
S	SINGLE POLE SWITCH
OS S	OCCUPANCY SENSOR
S3	3 WAY SWITCH
	110 V SINGLE OUTLET
	110 V DUPLEX OUTLET
GFI	110 V GROUND FAULT INTERRUPTER OUTLET
AFCI	110 V ARC FAULT CIRCUIT INTERRUPTER OUTLET
TV	TV CABLE
D	DATA
	CARBON MONOXIDE DETECTOR (HARD WIRE)
	SMOKE DETECTOR (HARD WIRED)
	RECESSED CAN LIGHT
	CEILING MOUNT LIGHT FIXTURE
	LINEAR LIGHT
	LED STRIP/ROPE LIGHT
	EMERGENCY LIGHT
	EXIT SIGN
	EXHAUST FAN



① GRADE ELECTRICAL FLOOR PLAN
3/16" = 1'-0"

ISSUE DATES

PROPOSED ONE STORY MTL STORAGE BUILDING
15N803 Old Sutton Rd Barrington, IL 60010

DRAWING
ELECTRICAL PLANS

SHEET
E1.0

8/27/24

| UNIT & VENT SCHEDULE | | |

LOAD VALUES ASSIGNED TO FIXTURES

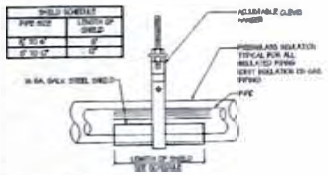
FIXTURE	QTY.	OCCUPANCY	TYPE OF SUPPLY CONTROL	LOAD VALUES IN WATE (SUPPLY FIXTURE UNITS)			FIXTURES LOAD
				COLD	HOT	TOTAL	
Urinal	0	PUBLIC	FLUSH VALVE	5	-	5	0
WATER CLOSET	0	PUBLIC, PRIVATE	FLUSH VALVE	10	-	10	0
LAVATORY	1	PUBLIC	FAUCET	1	1	2	2
BATHTUB	0	PRIVATE	FAUCET	1.5	1.5	3	0
SHOWER STALL	0	PRIVATE	MIXING VALVE	1	1	2	0
KITCHEN SINK	0	COMM.	FAUCET	1.5	1.5	3	0
DISHWASHER	0	COMM	AUTOMATIC	0	1	2	0
PREP SINK	0	COMM.	FAUCET	1.5	1.5	3	0
SERVICE SINK	1	PUBLIC	FAUCET	3	3	3	3
MOP SINK	0	PUBLIC		1	1	2	0
WATER CLOSET	1	PUBLIC, PRIVATE	TANK	3		3	3
LAUNDRY MACHINE 10LB	0	PRIVATE GENERAL	AUTOMATIC	3	3	4	0
BILL CODE	1	PRIVATE GENERAL	FAUCET	2		2	2
						TOTAL LOAD	10

NOTE:FOR FIXTURES NOT LISTED LOADS SHALL BE ASSIGNED BY COMPARING THE FIXTURES TO ONE LISTED USING WATER IN SIMILAR QUANTITIES AND AT SIMILAR RATES. THE ASIGNED LOADS FOR BOTH COLD AND HOT WATER SUPPLIES ARE GIVEN FOR SEPARATE COLD AND HOT WATER LOADS AND FOR TOTAL LOAD.

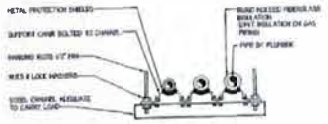
W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
3	1/2"	5/8"
4	1/2"	5/8"
5	1/2"	5/8"
6	3/4"	3/4"
10	3/4"	3/4"
12	3/4"	3/4"
14	3/4"	3/4"
16	3/4"	3/4"
20	1"	3/4"
25	1"	3/4"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
30	1"	1"
20	1 1/4"	1"
40	1 1/4"	1"
45	1 1/4"	1"
50	1 1/4"	1"
60	1 1/2"	1 1/2"
70	1 1/2"	1 1/2"
80	1 1/2	1 1/2"
90	1 1/2"	1 1/2"
100	1 1/2"	2"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
120	2"	2"
140	2"	2"
160	2"	2"
180	2"	2"
200	2"	2"
225	2"	2"
250	2"	2"
275	2 1/2"	3"
300	2 1/2"	3"
350	2 1/2"	3"
400	2 1/2"	3"
450	2 1/2"	3"

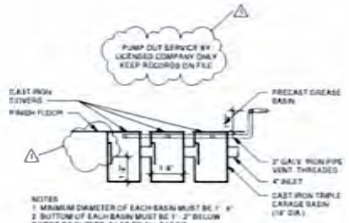


SINGLE PIPE HANGER



TRAPEZE HANGER

CLEANOUT DETAIL



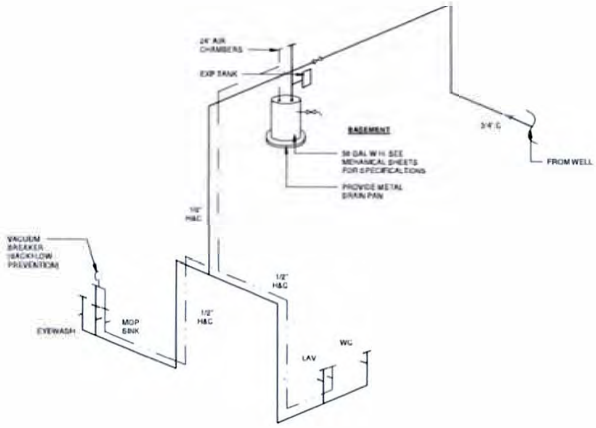
DETAIL - TRIPLE BASIN HOLDING TANK

PLUMBING FIXTURE SCHEDULE

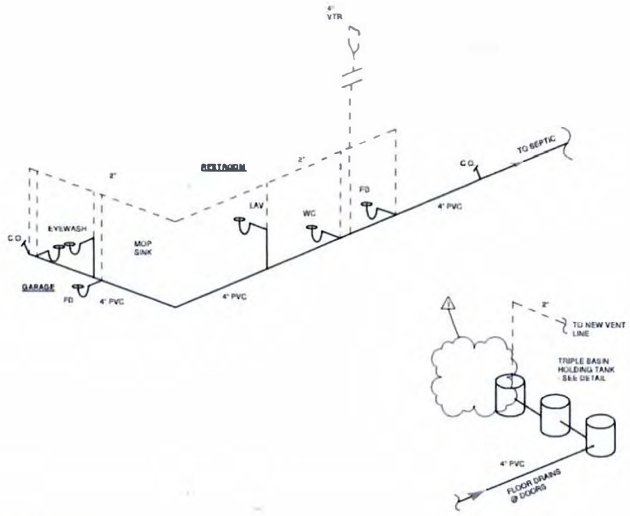
KEY	FIXTURE	QTY.	DESCRIPTION	REMARKS
PL-1	EYEWASH	1	Guardian G1800P	14.5" x 18" STAINLESS STEEL
PL-2	FLOOR MOP SINK	1	ELKAY, FLR-1X	20" x 24" STAINLESS STEEL
PL-3	WATER CLOSET	2	AMERICAN STANDARD, MADERA 3535.016	CERAMIC, FLOOR MOUNT
PL-4	LAVATORY	2	AMERICAN STANDARD, LUCERNE 0355.041	CERAMIC, WALL-HUNG
PL-5	WATER HEATER	1	SEE MECH. PLANS	
FD	FLOOR DRAIN	1	WADE NO. W-1100 WITH STANDARD POLISHED NICKEL BRASS STRAINER	

* PROVIDE HOT WATER SUPPLY PIPE WITH CONSTRUCTED SWING JOINT

NOTE: ALL FIXTURES CAN BE SUBSTITUTED WITH EQUIVALENT PRODUCTS



WATER SUPPLY DIAGRAM



WASTE DIAGRAM

PLUMBING NOTES:

1 ALL PLUMBING WORK MUST BE PERFORMED BY LICENSED CONTRACTOR AS REQUIRED BY COOK COUNTY AND COOK COUNTY PLUMBING CODE

2 PLUMBING CONTRACTOR SHALL OBTAIN ALL REQUIRED BONDS AND PAY ALL FEES AND TAXES FOR NECESSARY PLUMBING PERMITS

3 FURNISH AND INSTALL COMPLETE DRAIN AND SEWER SYSTEM SEWER AND DRAIN PIPES SHALL BE SCH 40 PVC SOIL PIPE.

4 FURNISH AND INSTALL SOIL, WASTE AND VENT PIPES AS REQUIRED, ALL ABOVE GROUND SOIL STACKS, WASTE STACKS, VENT PIPES AND FITTINGS TO BE SCH 40 PVC.

5 ALL TRAPS SHALL BE SELF CLEANING.

6 FURNISH AND INSTALL COMPLETE AND OPERABLE SYSTEM OF COLD AND HOT WATER TO EACH AND EVERY PLUMBING FIXTURE, APPLIANCE, OR MECHANICAL EQUIPMENT REQUIRING WATER. INSTALL AS REQUIRED BY CODE PIPE FITTINGS, VALVES, AIR CHAMBERS, DIELECTRIC UNIONS, HANGERS, ETC. INSTALL ALL PLUMBING FIXTURES, COMPLETE WITH TRAPS, STOPS, HANGERS AND ALL RELATED ITEMS AS REQUIRED.

7 INSULATE ALL HOT AND COLD WATER PIPING NOT IN PLUMBING CHASE WITH 1/2" FIBERGLASS INSULATION. ALL PIPING IN EXTERIOR WALLS OR IN SUSPENDED, UNHEATED SPACES SHALL HAVE 1" MIN. THICK INSULATION.

8 DOMESTIC HOT AND COLD WATER PIPING ABOVE THE GRADE SHALL BE TYPE "L" COPPER, TYPE "M" UNDERGROUND. INSTALL DIELECTRIC UNIONS AT DISSIMILAR MATERIALS.

9 PROVIDE:
A 24" AIR CHAMBER AT ALL RISER MAINS
B 12" AIR CHAMBER AT ALL PLUMBING FIXTURES
C SHUT OFF VALVES AT ALL PLUMBING FIXTURES AND RISERS
D NON FREEZE SILL COCKS VAC UUM BREAKER TYPE 2

10 ROOF VENTS SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF

11 THE PLUMBER UNDER EITHER A WATER OR AIR PRESSURE METHOD SHALL TEST THE ENTIRE PLUMBING SYSTEM

12 THE PLUMBING CONTRACTOR SHALL DEMONSTRATE THE ENTIRE WATER SERVICE SUPPLY SYSTEM BEFORE SYSTEM OPERATION

13 THE DRAIN AND SEWER SHALL BE ROOT PROOF AND WATER TIGHT AND TESTED WITH A MIN. TEN (10) FOOT WATER COLUMN

14 FURNISH AND INSTALL GAS PIPING WITH SHUTOFF COCKS AT EACH AND EVERY APPLIANCE OR EQUIPMENT GAS, INCLUDING FURNACE, WATER HEATER, ETC. PIPING SHALL BE SCHEDULE 40 BLACK STEEL "GRADE A" FITTINGS SHALL BE STANDARD WEIGHT, BLACK MALLEABLE IRON OR CAST IRON SCREWED AND RATED AT 150 PSI

15 PROVIDE WATER MIXING DEVICE AT HAND HELD SPRAY

ALL W.H. W/ ASME APPROVED T & P VALVE RUN RELIEF AND DRAIN PIPING TO FLOOR DRAIN

INSTALL METAL DRAIN PAN UNDER WATER HEATER

INSTALL PRESSURE RELIEF VALVES ON THE HIGH PRESSURE SIDE OF THE SYSTEM, UPSTREAM OF ANY INTERVENING VALVES

ALL PLUMBING LINES LOCATED IN UNCONDITION SPACE SUCH AS CRAWL SPACE AND EXTERIOR WALLS TO BE PROPERLY INSULATED

CONTRACTOR TO V.I.F. THE ELEVATION OF THE SANITARY AND KITCHEN WASTE IS 12" ABOVE THE CITY SEWER LEVEL

TUB AND SHOWER TEMPERATURE NOT TO EXCEED 115°F

PROVIDE BACK FLOW PREVENTION DEVICE ON ALL HAND HELD SPRAY AND TUBS

LEGEND

SYMBOL	DESCRIPTION
	WASTE LINE
	2" DIA VENT LINE
	COLD WATER
	HOT WATER

ISSUE DATES

PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

DRAWING PLUMBING DIAGRAMS SCHEDULES AND NOTES

SHEET P1.0

8/27/24

EXHIBIT C

PROOF OF OWNERSHIP – TRUSTEE'S DEED
15N803 OLD SUTTON ROAD BARRINGTON, IL 60010

Doc#. 1926908230 Fee: $98.00
Edward M. Moody
Cook County Recorder of Deeds
Date: 09/26/2019 10:51 AM Pg: 1 of 2

Dec ID 20190801660194
ST/CO Stamp 1-163-331-168 ST Tax $365.00 CO Tax $182.50

TRUSTEE'S DEED
JOINT TENANCY

This indenture made this 13th day of August, 2019, between CHICAGO TITLE LAND TRUST COMPANY, a corporation of Illinois, as successor trustee, under the provisions of a deed or deeds in trust, duly recorded and delivered to said company in pursuance of a trust agreement dated the 3rd day of January, 1978 and known as Trust Number 11-1448, party of the first part, and CRISTOBAL RODRIGUEZ AND LORENA E. GALVEZ, not as tenants in common but as joint tenants, parties of the second part.

Reserved For Recorder's Office

WITNESSETH, That said party of the first part in consideration of the sum of TEN and no/100 DOLLARS ($10.00) AND OTHER GOOD AND VALUABLE considerations in hand paid, does hereby CONVEY AND QUITCLAIM unto said parties of the second part, not as tenants in common, but as joint tenants, the following described real estate, situated in Cook County, Illinois, to wit:

That part of the South 13 acres of the North East quarter of the North West quarter of Section 28, Township 42 North, Range 9, East of the Third Principal Meridian, which lies Westerly of the Westerly right of way line of the Elgin, Joliet and Eastern Railroad (except the South 84.55 feet thereof) in Cook County, Illinois.

Property Address: 15N803 Old Sutton Road, Barrington, Illinois 60010

Permanent Tax Number: 01-28-102-010-0000

together with the tenements and appurtenances thereunto belonging.

TO HAVE AND TO HOLD the same unto said party of the second part forever, not in tenancy in common, but in joint tenancy.

This Deed is executed pursuant to and in the exercise of the power and authority granted to and vested in said trustee by the terms of said deed or deeds in trust delivered to said trustee in pursuance of the trust agreement above mentioned. This deed is made subject to the lien of every trust deed or mortgage (if any there be) of record in said county to secure the payment of money, and remaining unreleased at the date of the delivery hereof.

IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be affixed, and has caused its name to be signed to these presents by its Assistant Vice President, the day and year first above written.

REAL ESTATE TRANSFER TAX		25-Sep-2019
	COUNTY:	182.50
	ILLINOIS:	365.00
	TOTAL:	547.50
01-28-102-010-0000	20190801660194	1-163-331-168

FIDELITY NATIONAL TITLE
SC19019533

CHICAGO TITLE LAND TRUST COMPANY
CORPORATE SEAL
CHICAGO, ILLINOIS

CHICAGO TITLE LAND TRUST COMPANY,
as Trustee as Aforesaid

By: Margaret O'Donnell
Assistant Vice President

State of Illinois

County of Cook SS.

I, the undersigned, a Notary Public in and for the County and State aforesaid, do hereby certify that the above named Assistant Vice President of **CHICAGO TITLE LAND TRUST COMPANY**, personally known to me to be the same person whose name is subscribed to the foregoing instrument as such Assistant Vice President appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act and as the free and voluntary act of the Company; and the said Assistant Vice President then and there caused the corporate seal of said Company to be affixed to said instrument as her own free and voluntary act and as the free and voluntary act of the Company.

Given under my hand and Notarial Seal this 13th day of August, 2019.

"OFFICIAL SEAL"
SELENE SANDOVAL
Notary Public, State of Illinois
My Commission Expires 06/03/23

Selene Sandoval
NOTARY PUBLIC

This instrument was prepared by:
Margaret O'Donnell, Assistant Vice President
CHICAGO TITLE LAND TRUST COMPANY
1100 Lake Street, Suite 165
Oak Park, IL 60301

AFTER RECORDING, PLEASE MAIL TO:

NAME Cristobal Rodriguez ~~Oscar Morgan~~

ADDRESS ~~6196 Providence Dr.~~ 15N803 Old Sutton Rd OR BOX NO. _____

CITY, STATE ~~Carpentersville IL 60110~~ ~~Barrington, IL. 60010~~

SEND TAX BILLS TO:

NAME Cristobal Rodriguez

ADDRESS 15N803 Old Sutton Rd.

CITY, STATE Barrington IL 60010

F. 324 R. 1/95

EXHIBIT D

NOTICE SERVED TO PROPERTY OWNERS

EXHIBIT E

CERTIFIED MAIL RECEIPTS

111 East Wacker Drive, Suite 2600
Chicago, IL 60601-4208
Tel: 312.527.4000 | Fax: 312.527.4011
taftlaw.com

Lenny D. Asaro
312.840.4392
LAsaro@taftlaw.com

May 26, 2026

BY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Notice of Filing of (1) Special Use for Unique Use Application and (2) Variance Application
Subject Property: 15N803 Old Sutton Road, Barrington, IL 60010

Dear Property Owner or Governmental Entity:

In accordance with Section 13.8.3 of the Cook County Zoning Ordinance, you are hereby notified that on or about May 18, 2026, Cristobal Rodriguez ("Owner"), the owner of the property located at 15N803 Old Sutton Road, Barrington, Illinois (the "Property"), filed the following applications with the Cook County Department of Building and Zoning: (1) Special Use for Unique Use Application and (2) Variance Application.

The purpose of the Special Use for Unique Use Application is to allow the Owner to park a maximum of 50 commercial dump trucks in connection with the operation its business at this location, which also serves as the Owner's principal residence. The area of the Property on which the trucks will be located is approximately 200 feet by 200 feet. Some of the trucks are used for the Owner's family-owned business which is the operation of dump trucks for construction projects.

The purpose of the Variance Application is to increase the height of a proposed accessory structure. The proposed structure is an approximately 3,000 SF garage to be located in the rear area of the Property. The garage will be for the exclusive use of the Owner. Pursuant to Section 8.6.1.A.3 of the Zoning Ordinance, the height of an accessory structure shall not exceed 15 feet or the height of the principal structure, whichever is less. The principal structure, which the Owner's single-family residence, is less than 15 feet in height. The proposed garage will be 20 feet 2 inches in height.

Please note that the Owner is NOT seeking to purchase or rezone your property. As an applicant, the Owner is required by law to notify you because your property is

located within 250 feet of the Property, excluding public streets, alleys and other public ways.

Please contact the Owner's attorney, Lenny D. Asaro, at (312) 840-4392 or lasaro@taftlaw.com should you have any questions or concerns.

Sincerely,

Taft Stettinius & Hollister LLP

/s/ Lenny D. Asaro

Lenny D. Asaro

LDA

01-28-100-003-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-019-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-020-0000
EUGENIU CATAREV
1436 YORKSHIRE DRIVE
STREAMWOOD, IL 60107

01-28-102-017-0000
DAVID SANFILIPPO
1539 AYRESHIRE CT
PALATINE, IL 60067

01-28-102-009-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-500-002-0000
CANADIAN NATIONAL RAILWAYS
17641 S Ashland Ave
Homewood, IL 60430

01-28-102-011-0000
MILLER BROS LANDSCAPNG
15 N 701 OLD SUTTON RD
BARRINGTON, IL 60010

01-28-101-003-0000
COOK COUNTY FOREST PRESERVE DIST.
536 NORTH HARLEM AVENUE
RIVER FOREST, IL 60305

01-28-102-010-0000
CRISTOBAL RODRIGUEZ
15N803 OLD SUTTON RD
BARRINGTON, IL 60010

CLERK OF BARRINGTON HILLS
NIKKI PANOS
112 ALGONQUIN ROAD
BARRINGTON HILLS, IL 60010

CLERK OF HOFFMAN ESTATES
PATTY RICHTER
900 HASSELL ROAD
HOFFMAN ESTATES, IL 60169

CLERK OF BARRINGTON TOWNSHIP
DANIEL P. FITZGERALD
602 S. HOUGH STREET
BARRINGTON, ILLINOIS 60010

CLERK OF SOUTH BARRINGTON
DR. MARILYN STAGNO
30 S. BARRINGTON ROAD
SOUTH BARRINGTON, IL 60010

COMMUNITY UNIT SCHOOL DIST. 220
SUP. DR. CRAIG WINKELMAN
515 W. MAIN STREET
BARRINGTON IL 60010

DIST. 300
SUP. DR. MARTINA SMITH
2550 HARNISH DRIVE,
ALGONQUIN, IL 60102

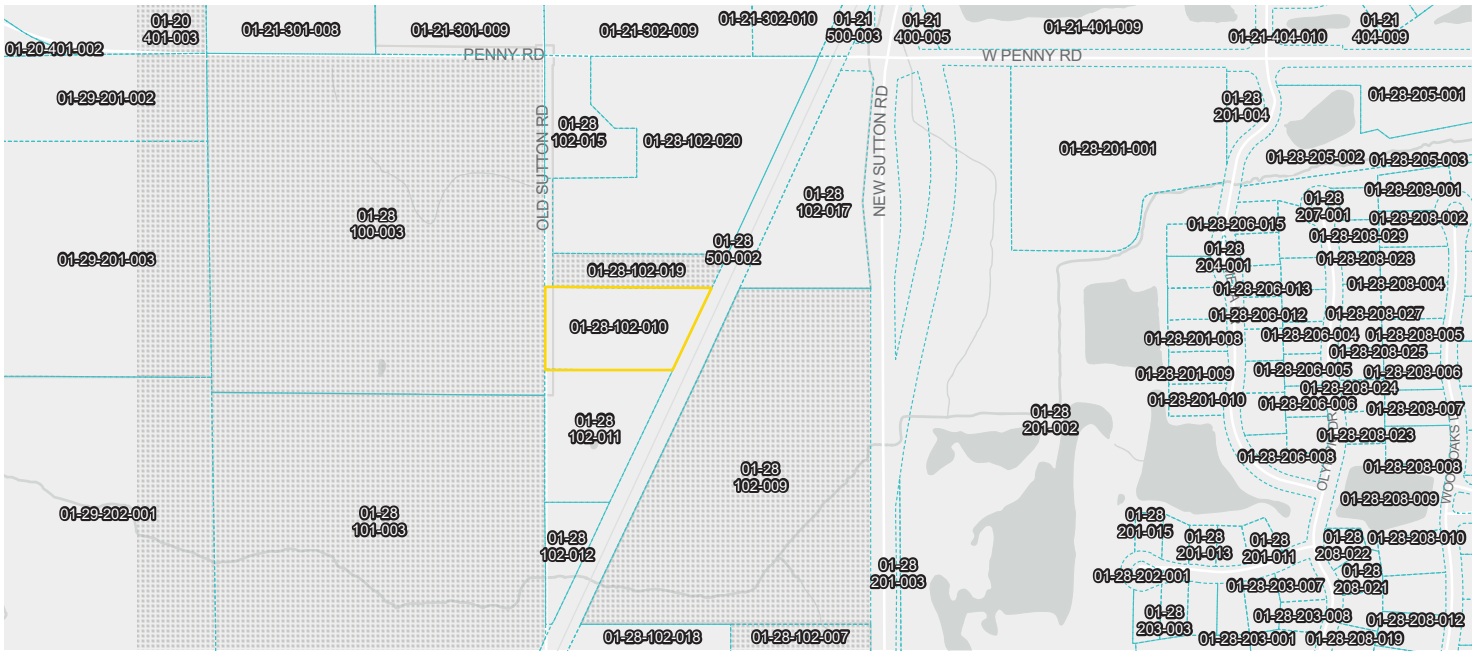
BARRINGTON COUNTRYSIDE FIRE PROTECTION DIST.
1004 S. HOUGH STREET
BARRINGTON, IL 60010

BARRINGTON TWNSHP HWY COMMISSIONER
THOMAS J. PODGORSKI
28000 W. CUBA ROAD
BARRINGTON, IL 60010

CookViewer

Cook County Parcel Viewer

Map



Legend

Selected Parcels

- Source Parcel
- Parcels Current

0 295 590 1,180 1,770 2,360 Feet

N

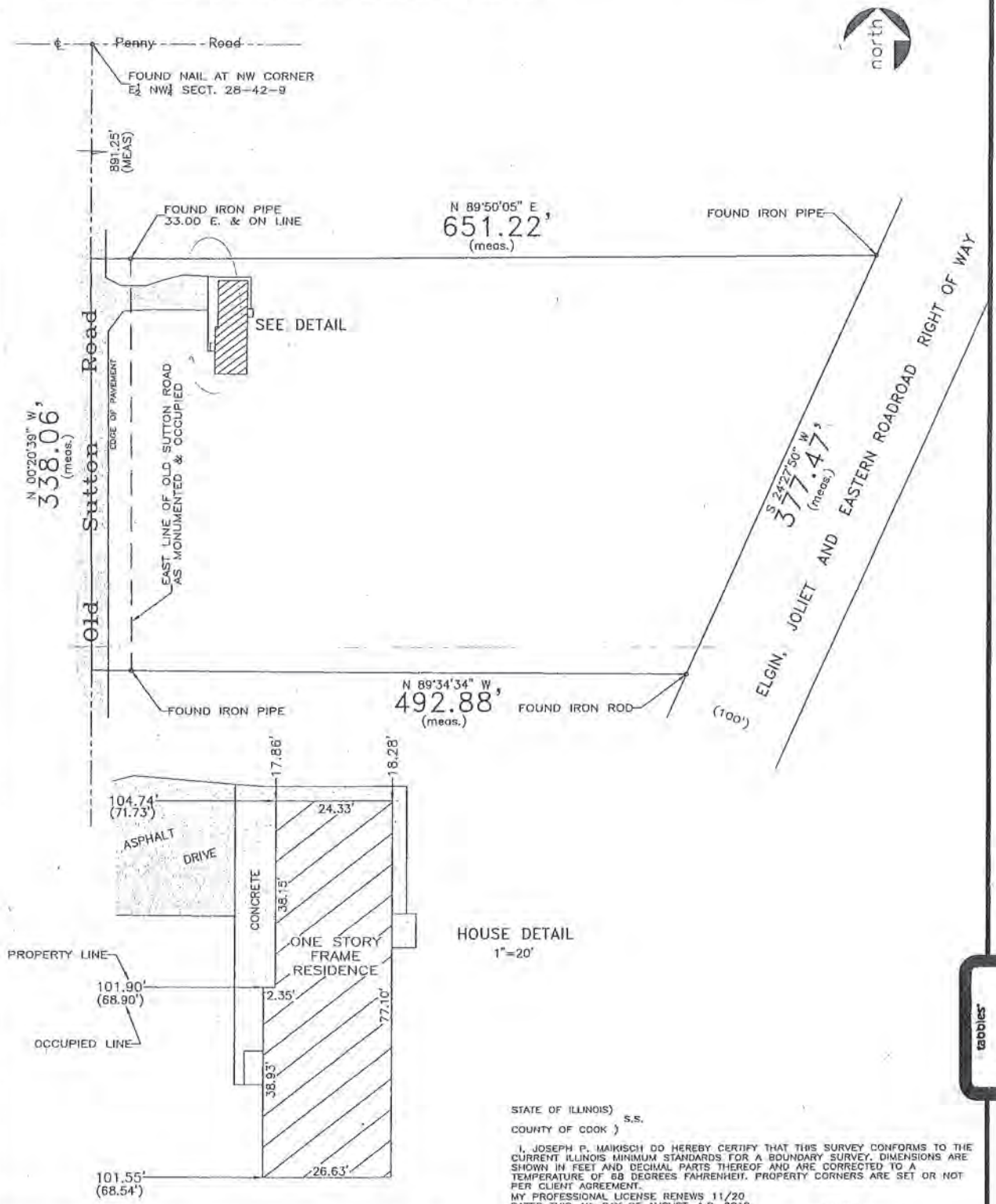
Map generated from CookViewer, Cook County's Parcel Viewer application maintained by the Bureau of Technology's GIS Division. For parcel and property identification number (PIN) questions, contact the Cook County Clerk's Office. For property detail and assessment questions, contact the Cook County Assessor's Office. For property tax bill questions, contact the Cook County Treasurer.

Plat of Survey

of

THAT PART OF THE SOUTH 13 ACRES OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 28, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WHICH LIES WESTERLY OF THE WESTERLY RIGHT OF WAY LINE OF THE ELGIN, JOLIET AND EASTERN RAILROAD (EXCEPT THE SOUTH 84.55 FEET THEREOF) IN COOK COUNTY, ILLINOIS.

ADDRESS: 15 N803 OLD SUTTON ROAD, BARRINGTON HILLS, ILLINOIS.



EXHIBIT

B

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

I, JOSEPH P. MAIKISCH DO HEREBY CERTIFY THAT THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF AND ARE CORRECTED TO A TEMPERATURE OF 68 DEGREES FAHRENHEIT. PROPERTY CORNERS ARE SET OR NOT PER CLIENT AGREEMENT.
MY PROFESSIONAL LICENSE RENEWS 11/20
DATED THIS 4th DAY OF AUGUST, A.D. 2019.

Land Area Surveyed: 195,031.5 Sq. Ft. / 4.5 ac.

JOSEPH P. MAIKISCH
ILLINOIS PROFESSIONAL LAND SURVEYOR
No. 3253
PARK RIDGE, ILL.

STATE OF ILLINOIS
JOSEPH P. MAIKISCH
NO. 3253
PROFESSIONAL LAND SURVEYOR

ILLINOIS PROFESSIONAL LAND SURVEYOR #3253

PROFESIONAL DESIGN FIRM NUMBER 184-004609

ON LINE SURVEYING

Phone (708) 738-2674
Fax (708) 290-6684
onlinelandsurveying@gmail.com
1205 W. PETERSON AVE. Unit D
PARK RIDGE, ILLINOIS 60068

LEGEND	
Iron Pipe Found:	o
Iron Pipe Set	●
Cross Found	+
Cross Set	+

IMPORTANT NOTES

1. This survey was prepared using a legal description provided by others.
2. Basis of Bearing is as the North Arrow indicates.
3. No construction should be done based solely on this plat, any discrepancies found must reported to the surveyor for explanation or verification. Property corners are set or not per client agreement.

Prepared for: Real Estate Transaction		
Client: Vicki Selle		
Scale: 1"=80'	Revised: / /	Field Work Completed 08/03/19

Legal Description of 15N803 Old Sutton Road Barrington, IL 60010:

That part of the South 13 acres of the North East quarter of the North West quarter of Section 28, Township 42 North, Range 9, East of the Third Principal Meridian, which lies Westerly of the Westerly right of way line of the Elgin, Joliet and Eastern Railroad (except the South 84.55 feet thereof) in Cook County, Illinois.

Permanent Tax Number: 01-28-102-010-0000

LAND USE REPORT
FOR THE PROPERTY

LOCATED AT
15N803 OLD SUTTON ROAD,
BARRINGTON ,
COOK COUNTY UNINCORPORATED,
ILLINOIS, 60614

PREPARED FOR:

MR. CRISTOBAL RODRIGUEZ
MR. LENNY ASARO
FAEGRE DRINKER BIDDLE & REATH, LLP
320 SOUTH CANAL STREET, SUITE 3300
CHICAGO, ILLINOIS 60606

www.renziappraisal.com
312.421.4760 Suite 303 970 North Oaklawn Avenue Elmhurst, IL 60126

October 13, 2022

Mr. Lenny Asaro
Faegre Drinker Biddle & Reath, LLP
320 South Canal Street, Suite 3300
Chicago, Illinois 60602

Re: Special Use Property
15N803 Old Sutton Road,
Barrington, Cook County Unincorporated, Illinois 60614

Permanent Index Number: 01-28-102-010

Dear Mr. Asaro:

As requested, we have prepared a land use report to be used in the application process for a special use permit under the Cook County Zoning Ordinance. The special use permit application which we were provided, is for the property located at the above captioned address. Information relative to the subject site and improvements was obtained from said source, our physical inspections, public records (e.g., property record cards, plat maps, etc.) and information provided by Mr. Peter Gugliotta, ACIP, Director of Development Services for Hoffman Estates and received insight from two realtors, one in Schaumburg and the other in West Dundee. All information provided to us, and/or obtained from public records that could not be independently verified, is assumed accurate.

The purpose of this report is to provide the Cook County Board of Appeals the information and data required for their review and approval of the proposed land use of the property located at the above captioned address. A 'Special Use Zoning Permit' is requested for the subject property, which is presently zoned R-1 Single-Family Residence District, to be approved for a light industrial use. As such this report will answer the following sections of the Cook County Special Uses required criteria;

13.8.6 A 1,3,5
13.8.6 D 2,3
13.8.9 A 1,2,3

The intended use of this report is to submit evidence to the Cook County Zoning Board of Appeals in connection with an application for a proposed special use. The intended users are our clients, Cristobal and Lorenol Rodriguez, the subject property owners, and their legal representation, as well as the Cook County Zoning Board of Appeals.

The criteria under consideration within this assignment includes what is the impact to the health, safety, and welfare of the community; and whether the use will cause substantial injury to the value of other property in the neighborhood in which it is located.

The subject property is located on the east side of Old Sutton Road, which has a 66 foot right-of-way. The north property line of the subject property is located 891.25 feet south of the intersection of Penny Road with Old Sutton Road and has 338.06 feet of frontage on Old Sutton Road. Its north property line extends 651.22 feet from the centerline of Old Sutton Road east, to the west property line of the Elgin, Joliet and Eastern Railroads' 100 foot right-of-way. The east property line angles westerly 377.47 feet to the southeast corner of the property. The sites' south property line, nearly parallel with the north property line extends westerly back 492.88 feet from the railroad right-of way to the centerline of Old Sutton Road. The area of the site is 191,969 square feet, which is 4.41 acres. There is a 52-year-old, 2,587 square foot single-family ranch home located near the northwest corner of the site where the owner and his family live.

The property owners own Jakalo Trucking Company (a 14 year old company) that operates six dump trucks. This company works primarily with roadway improvement projects which includes 40 feet long dump trucks hired by contractors deliver needed construction materials to their job sites. They also haul construction debris to dump sites. The subject site is a great location for this business with the Route 59 and Interstate-90 interchange being approximately 1.5 miles away.

Presently, Jakalo Trucking Company is renting offsite a 150-foot square area of the property located at the northwest corner of West Higgins Road and Old Sutton Road. Jakalo parks their 6 dump trucks and rent truck storage parking stalls 50 feet long by 12 feet wide for 18 additional trucks. The monthly fee for the truck storage, parking stall is $125. There is a scarcity of properties for this purpose in the immediate area.

The special use permit is to construct a 54 feet by 50 feet metal garage building to house dump trucks and to be able to park the rest of his company dump trucks on a properly engineered gravel parking area. In addition, he desires to have the gravel parking area designed to allow Jakalo Trucking Company to rent an additional 44 dump truck storage, parking stalls.

There will be no storage of tires or truck debris on the property. The truck movement will be primarily Monday through Friday in the morning from approximately 6:30 to 7:30 am and in the afternoon from approximately 4:00 to 5:00 pm.

KLOA, Inc. will be providing a traffic impact study as part of the owner's Special Use Permit request. August Mack Environmental is preparing an environmental report as part of the owner's Special Use Permit request.

As a result of our inspection and analysis of surrounding areas, and our general knowledge of this area, we conclude that the proposed Special Use Permit request is compatible with the immediate neighbors and meets the concerns of the Cook County Zoning Board of Appeals.

This report was prepared for our clients and is intended for the specified use of our clients as stated above. This assignment is intended to be in compliance with the ethics rule, the competency rule, and the jurisdictional exception rule of the Uniform Standards of Professional Appraisal Practice (USPAP) relative to appraisal practice outside of appraisal and appraisal review. A current version of USPAP'S signed certification is attached.

If you have any questions regarding this assignment please do not hesitate to contact us.

Respectfully submitted,

RENZI & ASSOCIATES, INC.

Neil J. Renzi, MAI
President
Illinois Certified General
Appraiser No.: 553.000362

Alfred M. Tierney
Associate
Associate Real Estate Trainee
Appraiser No.: 557.006743

NJR/AMT
Renzi Job No.: 22-057

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SUBJECT PHOTOS

15N803 SINGLE FAMILY RANCH HOME
(Photo taken 3/16/2022)

LOOKING EAST AT THE FRONT OF THE LOT AND THE SCREEN FENCE
NO DUMP TRUCK PARKING IS PROPOSED ON THE WEST SIDE OF THE SCREEN FENCE
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued

LOOKING FROM SAME SPOT AS ABOVE - SOUTHEAST
TREES IN FOREGROUND ARE THE NEIGHBOR'S TO THE SOUTH
GRAVEL ACCESS DRIVEWAY JUST NORTH OF TREES
(Photo taken 3/16/2022)

LOOKING FROM SCREEN FENCE TOWARDS OLD SUTTON ROAD
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued

LOOKING NORTH AT OLD SUTTON ROAD FROM DRIVEWAY ACCESS TO THE BACK LOT – AREA FOR THE PROPOSED DUMP-TRUCK PARKING
(Photo taken 3/16/2022)

LOOKING SOUTH AT OLD SUTTON ROAD FROM DRIVEWAY ACCESS TO THE BACK LOT – AREA FOR THE PROPOSE DUMP-TRUCK PARKING
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued

NORTHEAST CORNER OF PROPERTY LOOKING WEST
THIS SIDE OF THE SCREEN FENCE IS THE PROPOSED AREA OF DUMP-TRUCK PARKING AND THE METAL GARAGE
(Photo taken 3/16/2022)

NORTHEAST CORNER OF PROPERTY LOOKING SOUTH
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued

FROM THE GRAVEL DRIVEWAY PAST THE SCREEN FENCING
LOOKING EAST ALONG THE SOUTH PROPERTY LINE
(Photo taken 3/16/2022)

LOOKING SOUTH AT A CLOSE-UP OF THE SCREEN FENCING
RIGHT OF THE FENCE IS THE HOME AND PROPERTY TO REMAIN GRASS
LEFT OF THE FENCE IS THE AREA PROPOSED FOR THE
DUMP-TRUCK PARKING AND METAL GARAGE
(Photo taken 3/16/2022)

PREFACE

Identification of Subject Property

Site-

Location:	15N803 Old Sutton Road, Barrington Hills, 60010 Cook County Unincorporated
Permanent Index Number:	01-28-102-011
Size:	191,969 sf / 4.41 Ac (per Cook County Assessor's Office)
Block Location:	Interior, approximately 900 feet south of the intersection of Old Sutton Road and Penny Road
Frontage:	338.06 feet – along the east side of Old Sutton Road
Zoning:	R-1 Single Family Residence District
Flood Hazard Data:	Per Flood Insurance Rate Map (FIRM) Panel No.: 17031C0155J eff. 8/19/2008, the subject site is located in an area of minimal flood hazard

Improvements-

Design:	The subject site is currently improved with a 52 year-old, single-story, metal sided framed constructed, residential property

Ownership and Current Use

The subject property is currently owned by Loreno Rodriguez (Cristobal Rodriguez's wife), who resides on the subject and operates a trucking company (Jakalo), which was incorporated in 2008. The company's primary purpose is supplying construction materials to road construction companies and hauls debris to garbage dumps.

Proposed Use

Installation of a 54 feet by 50 feet metal clad garage building and compacted gravel parking to house 6 dump trucks associated with the building. No tires will be stored on the site, nor will oil changes or repairs be performed. Each truck stall requires a 50 feet by 12 feet land tract.

Additionally requested are 44 truck stalls, to be accommodated on compacted gravel. Jakalo intends to rent these stalls on a monthly basis.

PREFACE – Continued

Purpose

The purpose of this report is to identify those uses surrounding the subject property and to render a conclusion as to whether the use of the subject property meets certain criteria set forth in Unincorporated Cook County Special Use Ordinance Articles 13.8.6 A. 1., 2., 3. & D. 2., 3 & 13.8.9 A. 1., 2., 3.

Intended Use and Users

The intended use is to submit evidence to the Cook County Zoning Board of Appeals in connection with an application for a proposed special use. The intended users are our clients Mr. and Mrs. Cristobal Rodriguez, and their legal representation, as well as the Cook County Zoning Board of Appeals.

Inspection Date

Neil J. Renzi, MAI made a personal inspection of the exterior of the subject property on March 2, 2022. Alfred M. Tierney made a personal inspection of the exterior of the subject property on March 16, 2022.

Effective Date:

March 2, 2022

Scope of Assignment

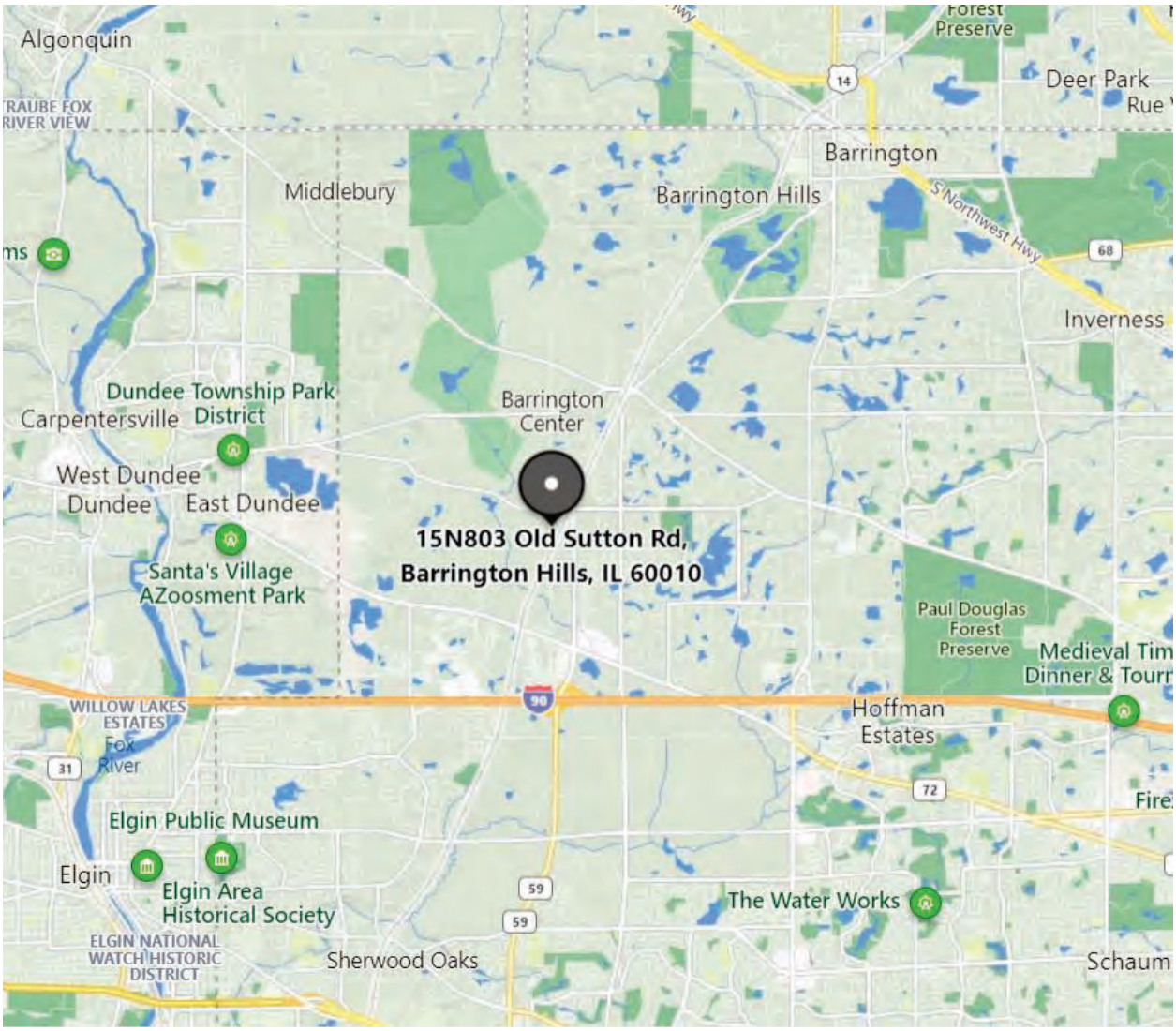
The scope of this consulting assignment involved the following steps,

- An inspection of the subject property to determine, insofar as possible, its physical characteristics, including topography, access, utilities, improvements, etc.

- An investigation of the surrounding area to determine the neighborhood boundaries as well as the area that will be impacted by the proposed use.

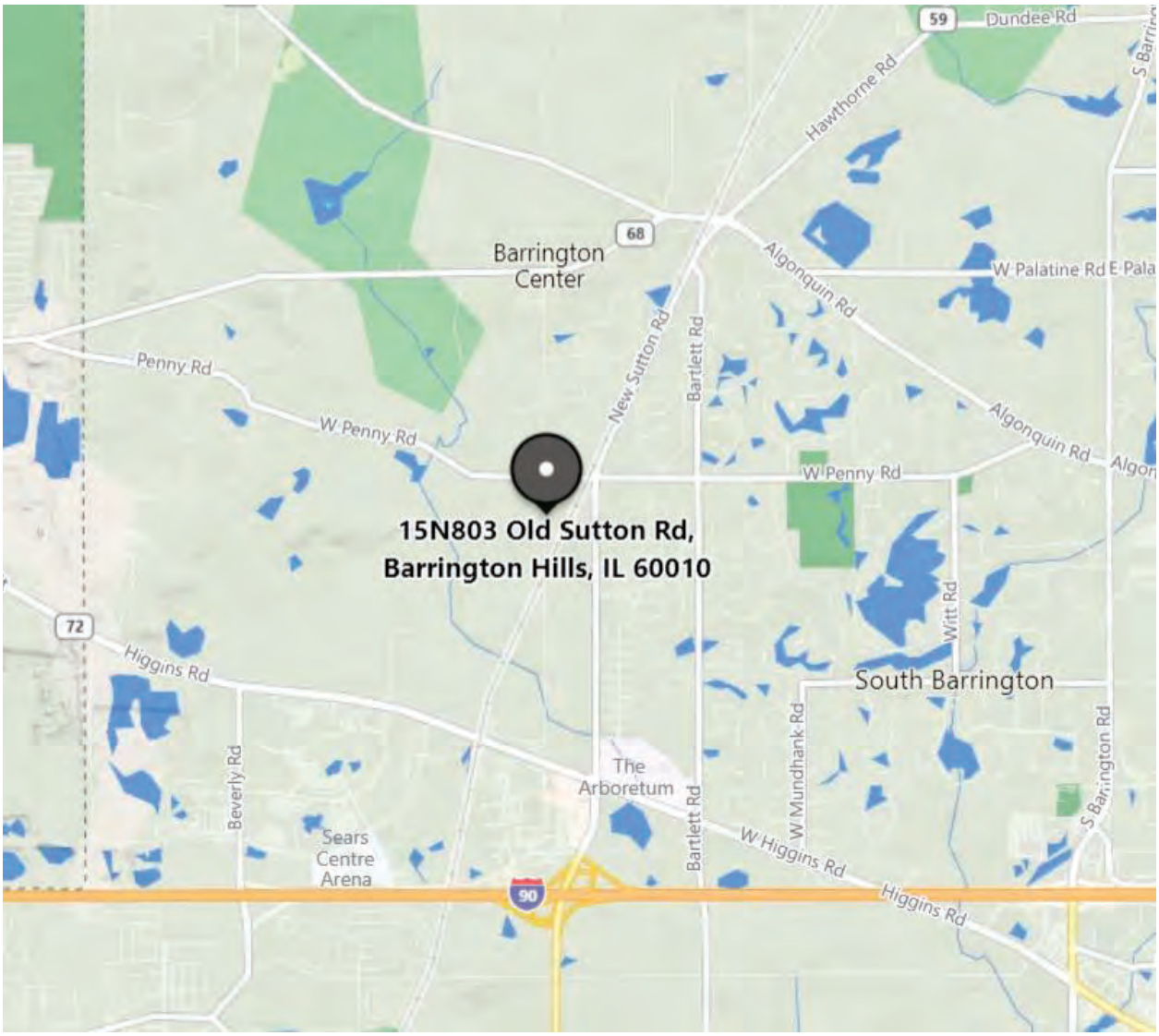
- Research of the Zoning and Planning Department records to determine the zoning of the subject property, its conformity thereto, and the zoning of surrounding land uses.

REGIONAL MAP



Source: BING MAPS

AREA MAP

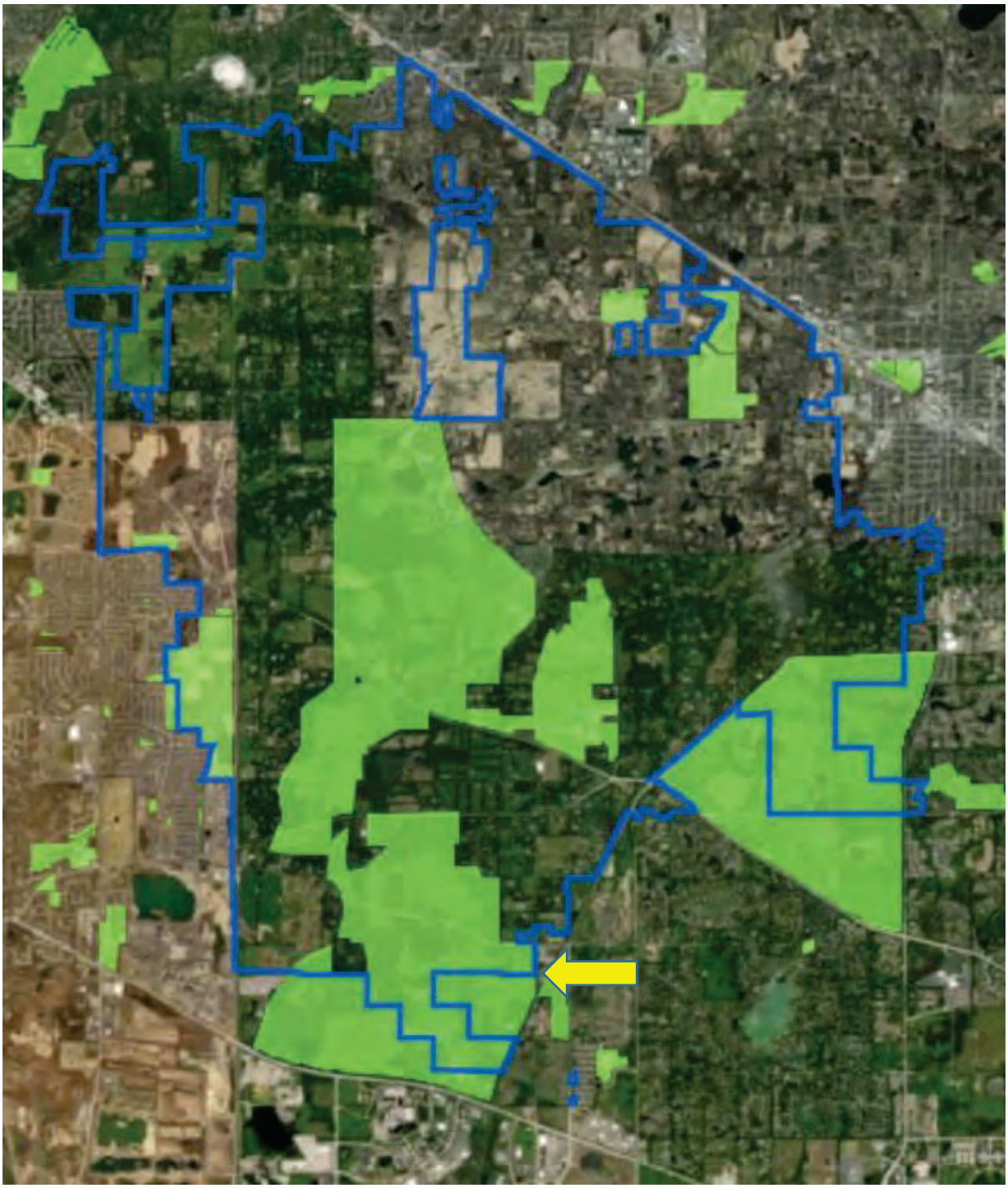


ADDRESS SHOWN OF THE SUBJECT SITE IS A MAILING ADDRESS

THE SUBJECT SITE IS IN UNINCORPORATED COOK COUNTY

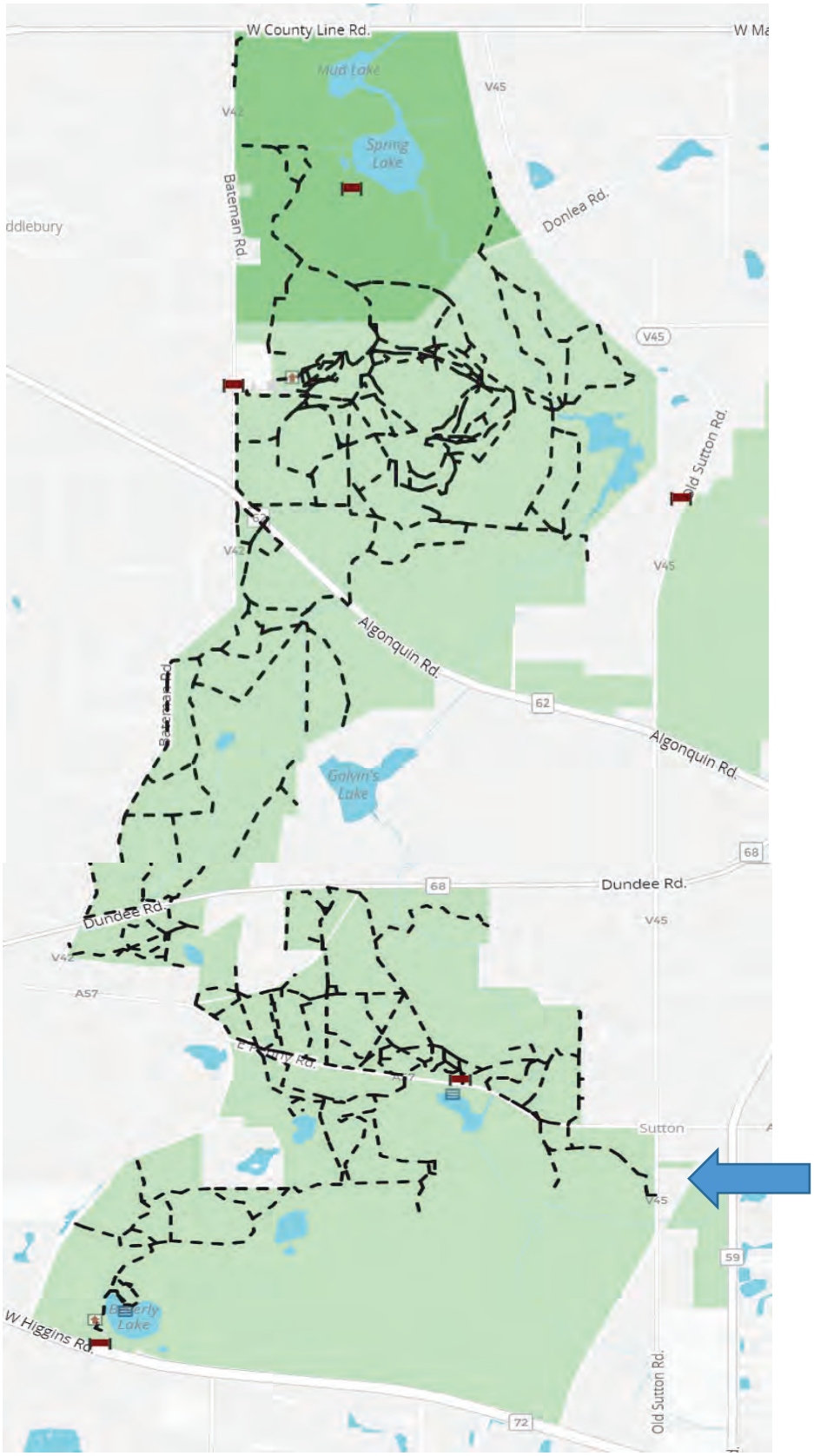
Source: BING MAPS

MAP OF FPDCC AREAS WITHIN THE VILLAGE OF BARRINGTON HILLS



BLUE BORDER LINES – VILLAGE OF BARRINGTON HILLS
GREEN SHADED AREAS – FOREST PRESERVES OF COOK COUNTY (FPDCC)
YELLOW ARROW – LOCATION OF 15N803 OLD SUTTON ROAD (SUBJECT)

SPRING CREEK VALLEY FOREST PRESERVE AREA



SPRING CREEK VALLEY FOREST PRESERVE AREA – Continued

The map from the previous page is from the website of the Forest Preserve District of Cook County – fpdcc.com. The main green area that starts at the top at West County Line Road and goes south all the way to West Higgins Road is the Spring Creek Valley Forest Preserve area. The dashed lines indicate equestrian trails. The small red rectangular markings indicate parking lot areas. The blue arrow indicates the location of the subject site.

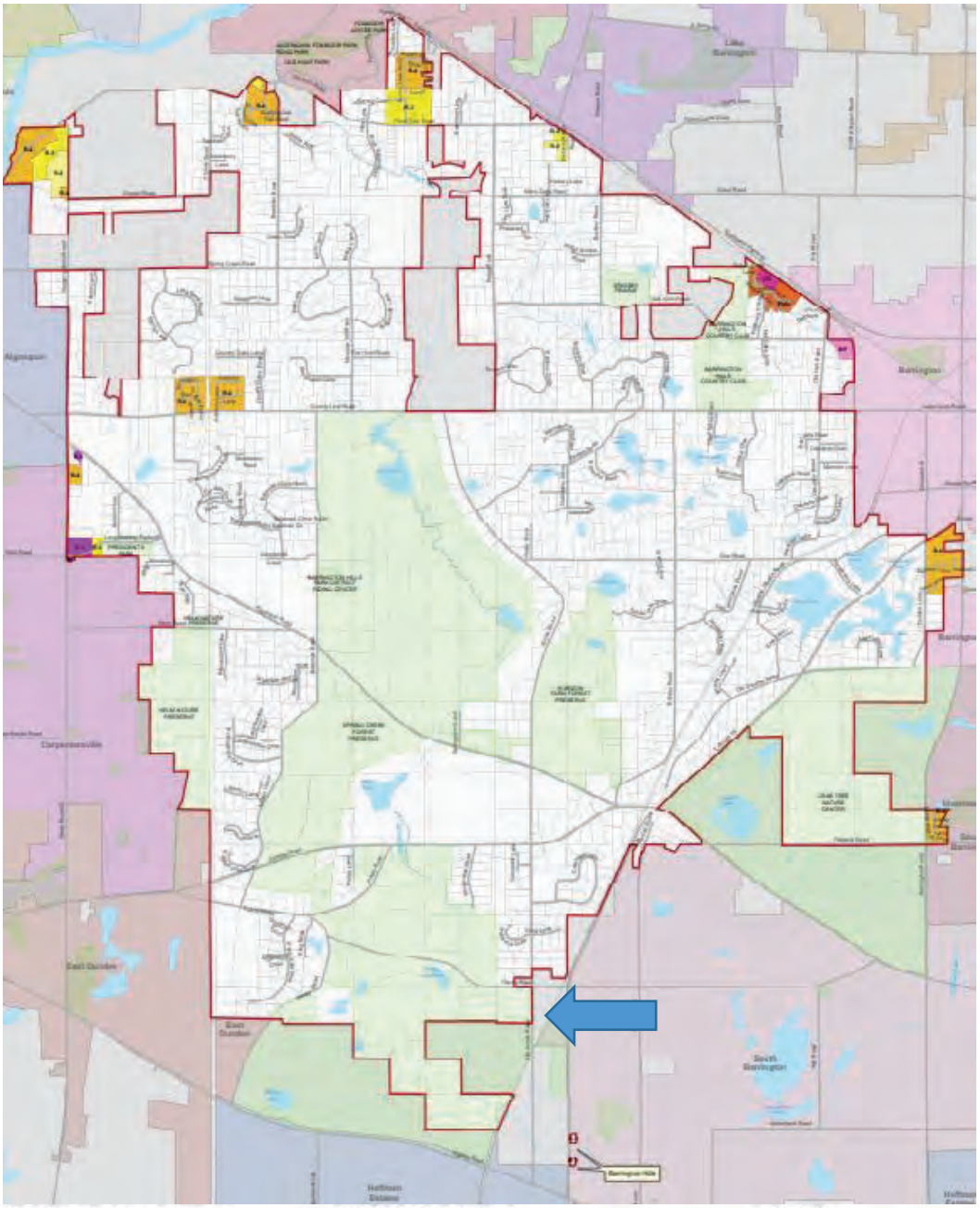
The Village of Barrington Hills website had the following paragraph regarding the Forest Preserves and the use of them;

> *"Also unique to Barrington Hills is the large amount of land occupied by the Forest Preserves of Cook County (FPDCC), nearly 5,000 acres. The extensive systems of mostly private horse trails across residential properties are linked to a trail system within the Forest Preserve, creating 210 miles of horse trails. The Forest Preserves also contain horse jumps used for competitive events."*

As the map above shows there is very little equestrian activity near the subject site.

Note also that there is approximately 7.8 square miles (5,000 acres / 640 acres per square mile) of Forest Preserves within the Village of Barrington Hills.

VILLAGE OF BARRINGTON HILLS ZONING MAP



SINGLE FAMILY RESIDENCE DISTRICTS

- R-1 5 ACRES
- R-2 3 ACRES
- R-3 2 ACRES
- R-4 1 ACRES
- PUD PLANNED UNIT DEVELOPMENT

BUSINESS DISTRICTS

- B-1 RESTRICTED BUSINESS DISTRICT
- B-2 RESTRICTED SERVICE DISTRICT
- B-3 GENERAL BUSINESS DISTRICT
- B-4 GENERAL SERVICE DISTRICT
- BP BUSINESS PARK DISTRICT
- LID LIGHT INDUSTRIAL DISTRICT

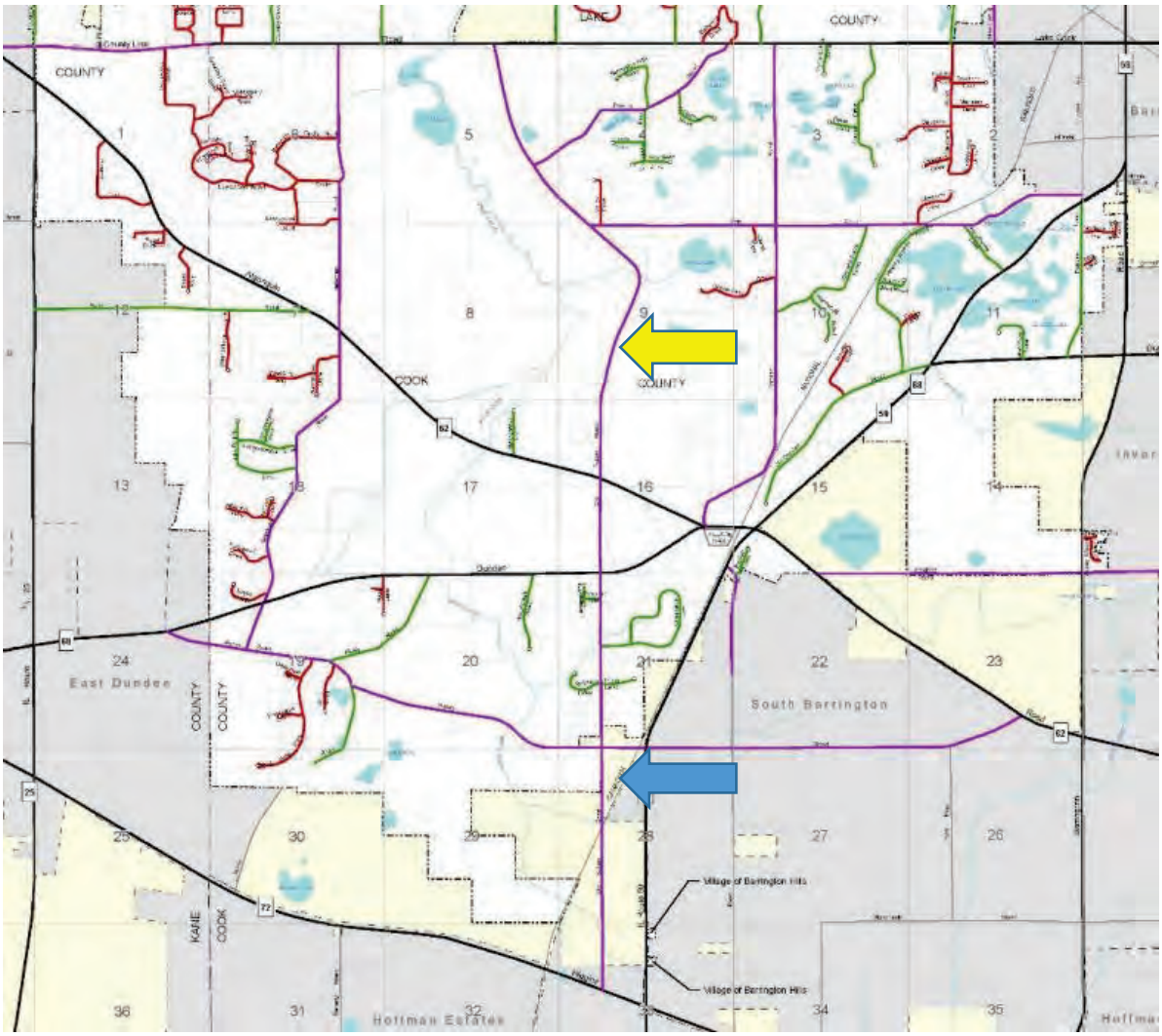
LEGEND

- Village of Barrington Hills
- Rivers & Lakes
- Open Space and Forest Preserves
- Parcels
- Municipal Boundaries

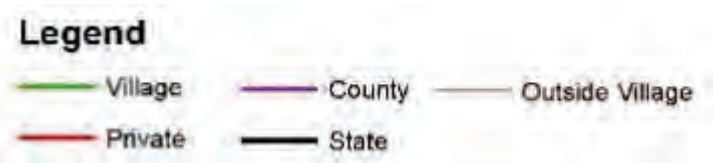
BLUE ARROW INDICATES LOCATION OF THE SUBJECT SITE

Source: Village of Barrington Hills

ROAD JURISDICTION MAP (From Barrington Hills–Comprehensive Plan)



WHITE AREA IS A PORTION OF THE VILLAGE OF BARRINGTON HILLS
YELLOW AREAS ARE UNINCORPORATED COOK COUNTY

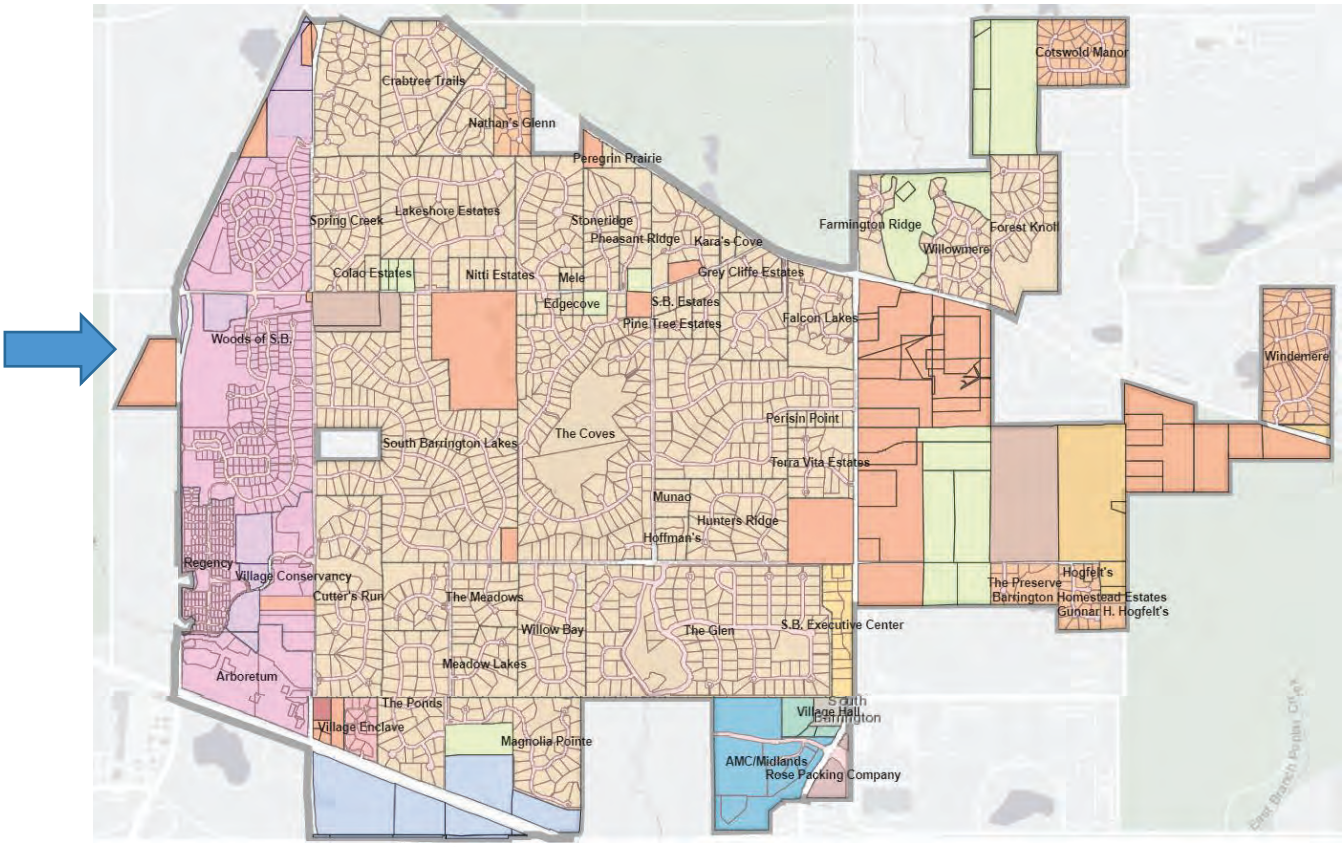


YELLOW ARROW INDICATES *OLD SUTTON ROAD*
BLUE ARROW INDICATES THE SUBJECT SITE

OLD SUTTON ROAD:

It is a Cook County Road
Its north beginning is at West County Line Road (Lake-Cook Road)
Its south beginning is at West Higgins Road (State Route 72)

VILLAGE OF SOUTH BARRINGTON ZONING MAP



A-1 Single Family Residential - 5 acres

A-2 Single Family Residential - 2.5 acres

A-2 Single Family Residential - 2.5 acres/Special Use

A-3 Single Family Residential - 1 acre

A-3 Single Family Residential - 1 acre/Special Use

A-4 Single Family Residential - 30,000 sq ft min

G-U Governmental Use

L-O Limited Office

M Manufacturing

O-R Office/Research

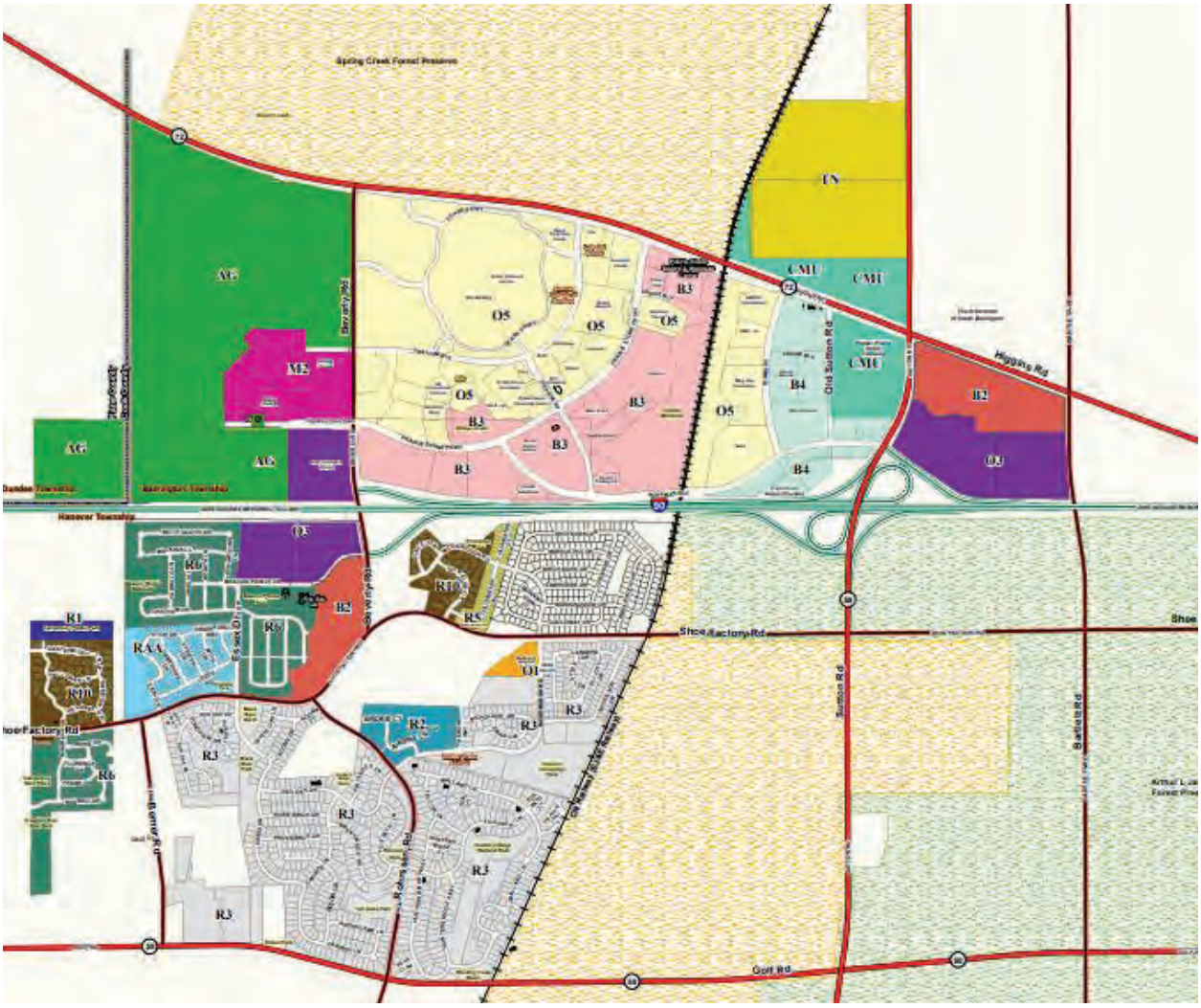
O-R Office/Research - Special Use

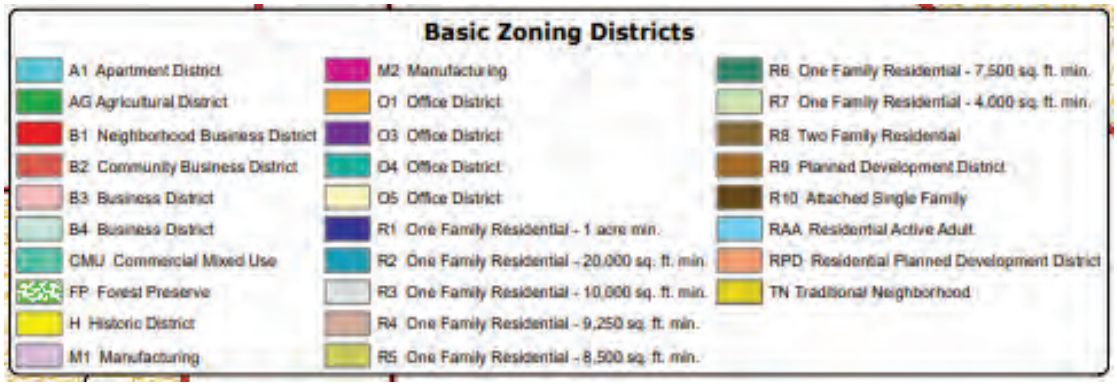
PUD Planned Unit Development

BLUE ARROW INDICATES LOCATION OF THE SUBJECT SITE

Source: Village of South Barrington

VILLAGE OF HOFFMAN ESTATES ZONING MAP (Western Portion)





Source: Village of Hoffman Estates

VILLAGE OF HOFFMAN ESTATES
APPROVED 186 ACRE MASTER PLANNED COMMUNITY

Location:	North of West Higgins Road, west of Route 59, east of the CN (Canadian National) Railway	
Developer:	ARC Real Estate Group, headquartered in Chicago (Member of Realty Resources, headquartered in Virginia Beach)	
Development Name:	Plum Farms	
Area of Development:	186 Acres (0.29 Square Miles)	
Zoning Districts:	Commercial Mixed Use (C-MU) and Traditional Neighborhood – residential, recreation, public and civic (TN)	
Commercial / Office:	175,000 – 200,000 square feet of retail and entertainment, including a grocery store and neighborhood services, with medical and office	
Neighborhoods:	Single-Family-A	230 Units – Coach Home and Row Home
	Single-Family-D	310 Units – Single-Family Detached
	Multi-Family	560 Units (Apartments)
	TOTAL	1,100 Units
Phasing of Build-Out:	2021 to 2025, subject to market conditions	

ESTIMATING FUTURE PLUM WOODS POPULATION

In 2021 Hoffman Estates had a population of 50,841. There were 18,563 housing units, with 846 them being vacant. This resulted in 17,717 households. Therefore, the average number of people per household was 2.87. Hoffman Estates has a land area of 22.1 square miles.

The Plum Farms multi-family apartments make up 51% of the available residential units. This is a much higher percentage than exits in the general population of Hoffman Estates. There were only two school districts mentioned in the Plum Farms literature;

School District 220 (Barrington High School)
School District 300 (Dundee Crown High School)

The single-family offerings have small lots.

The average number of people per household in Plum Gove will be lower than the 2.87 mentioned above due to the larger percentage of apartments, the density of dwellings, the smaller lots and the lack of neighborhood schools. The average number of people per household will most likely be approximately 2.0. Therefore, the estimated future Plum Farms population will be 2,200 people.

Having 2,200 people living in a 0.29 square mile area equates to density per square mile rate of approximately 7,500 people per square mile.

PLUM FARMS – MASTER PLAN

PLUM FARMS DEVELOPER – DEVELOPMENT RENDERINGS

COMMERCIAL – MIXED USE

The commercial opportunity exists from 6 acres up to 40+ acres.

NEIGHBORHOODS

Unit Type	Total
Single-Family-A	230
Single-Family-D	310
Multi-Family	560
TOTAL	1,100

UNINCORPORATED COOK COUNTY – See Explanations On Next Page

Source: COOKVIEWER

UNINCORPORATED COOK COUNTY -Continued

The Arrows denote the following;

Orange Arrow = PENNY ROAD
Green Arrow = ROUTE 59 (SUTTON ROAD)
Red Arrow = OLD SUTTON ROAD
Gray Arrow = CN RAILWAY

The 'Plus Signs' indicate the ten properties that will remain in this Unincorporated Cook County area once Plum Farms begins their development. A chart is shown below that provides data for these ten properties. The properties are numbered from top to bottom.

#	PROPERTY ADDRESS	PROPERTY INDEX NUMBER	AGE OF HOME (Years)	PROPETY SIZE (Acres)	PROPETY USE
1	188 OLD SUTTON ROAD	01-21-302-008	89	5.44	RESIDENTIAL FARMING
2	190 OLD SUTTON ROAD	01-21-301-009	UNDER CONSTRUCTION	5.00	RESIDENTIAL
3	191 PENNY ROAD	01-21-302-009	74	6.18	RESIDENTIAL LANDSCAPING
4	193 PENNY ROAD	01-21-302-010	129	2.93	LANDSCAPING
5	15 OLD SUTTON ROAD	01-28-102-015 01-28-102-020 01-28-102-019	132	15.52	LANDSCAPING REQUESTING A SPECIAL USE PERMIT FOR TRUCK STORAGE
6	**** SUBJECT PROPERTY ** 15N803 OLD SUTTON ROAD**	**01-28-102-010**	**52**	**4.41**	**RESIDENTIAL REQUESTING SPECIAL USE PERMIT FOR TRUCKIJNG BUSINESS AND TRUCK STORAGE**
7	15N701 OLD SUTTON ROAD	01-28-102-011 01-28-102-012	52	6.07	RESIDENTIAL LANDSCAPING
8	15497 OLD SUTTON ROAD	01-28-102-018	115	6.16	RESIDENTIAL LANDSCAPING
9	272 OLD SUTTON ROAD	0128-300-002	30	11.00	RESIDENTIAL LANDSCAPING
10	365 OLD SUTTON ROAD	01-28-300-005	77	20.00	RESIDENTAL LANDSCAPING

PROPERTY USES:

7 of 10 properties operate a Landscaping Business from their property

1 property does farming

1 property is building a new home

1 property, the subject property, wants to have a Special Use Permit to operate a Trucking Business (6 dump- trucks) and Truck Storage (44 dump-trucks)

UNINCORPORATED COOK COUNTY -Continued

1 188 OLD SUTTON ROAD

2 190 OLD SUTTON ROAD

UNINCORPORATED COOK COUNTY -Continued

3 191 PENNY ROAD

4 193 PENNY ROAD

UNINCORPORATED COOK COUNTY -Continued

5 15 OLD SUTTON ROAD

UNINCORPORATED COOK COUNTY -Continued

6 15N803 OLD SUTTON ROAD – SUBJECT PROPERTY

UNINCORPORATED COOK COUNTY -Continued

7 15N701 OLD SUTTON ROAD

UNINCORPORATED COOK COUNTY -Continued

8 15N497 OLD SUTTON ROAD

UNINCORPORATED COOK COUNTY -Continued

9 272 OLD SUTTON ROAD

UNINCORPORATED COOK COUNTY -Continued

10 OLD SUTTON ROAD

EXHIBIT E

PROPOSED SITE PLAN FOR
15N803 OLD SUTTON ROAD BARRINGTON, IL 60010

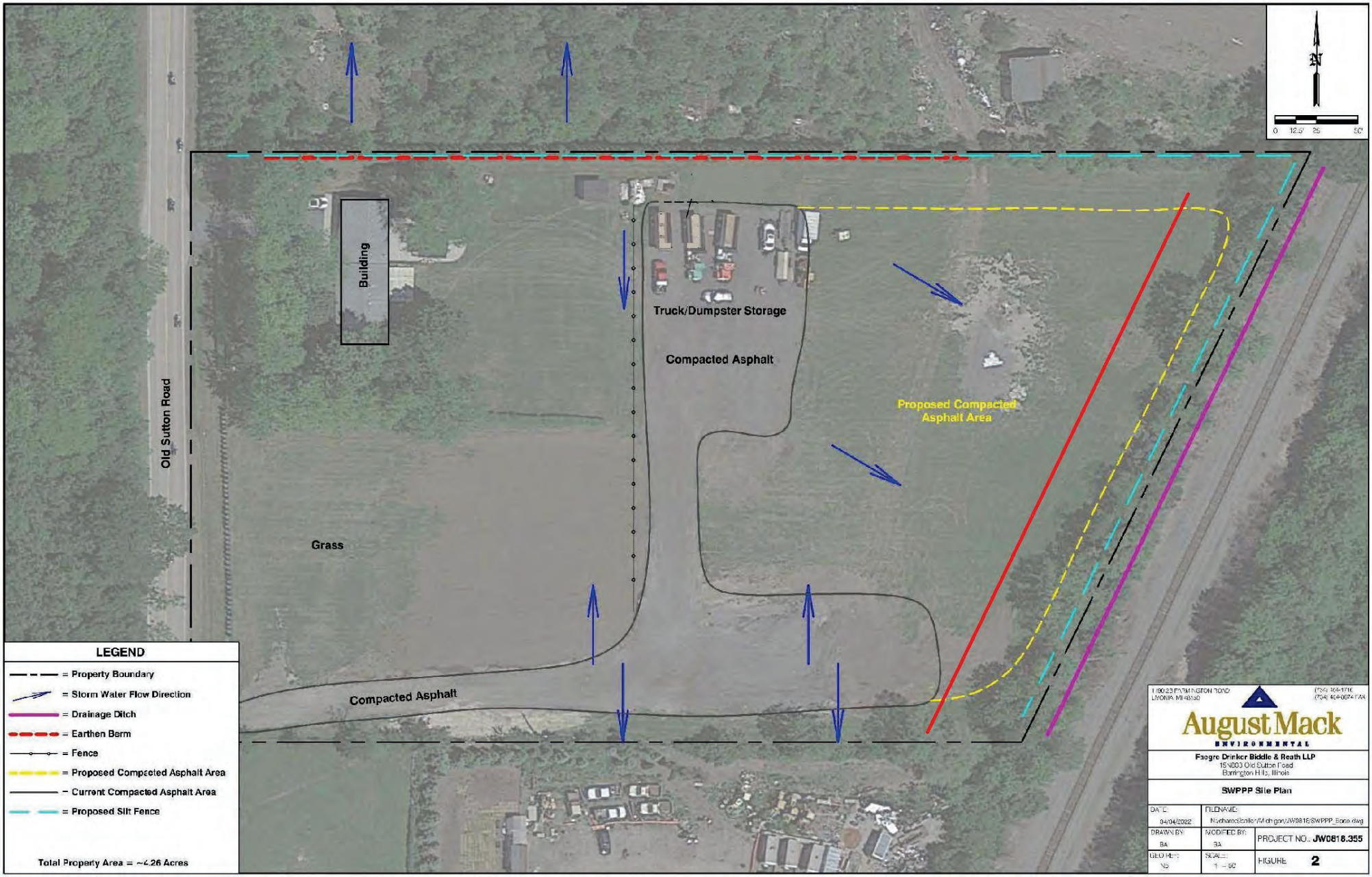
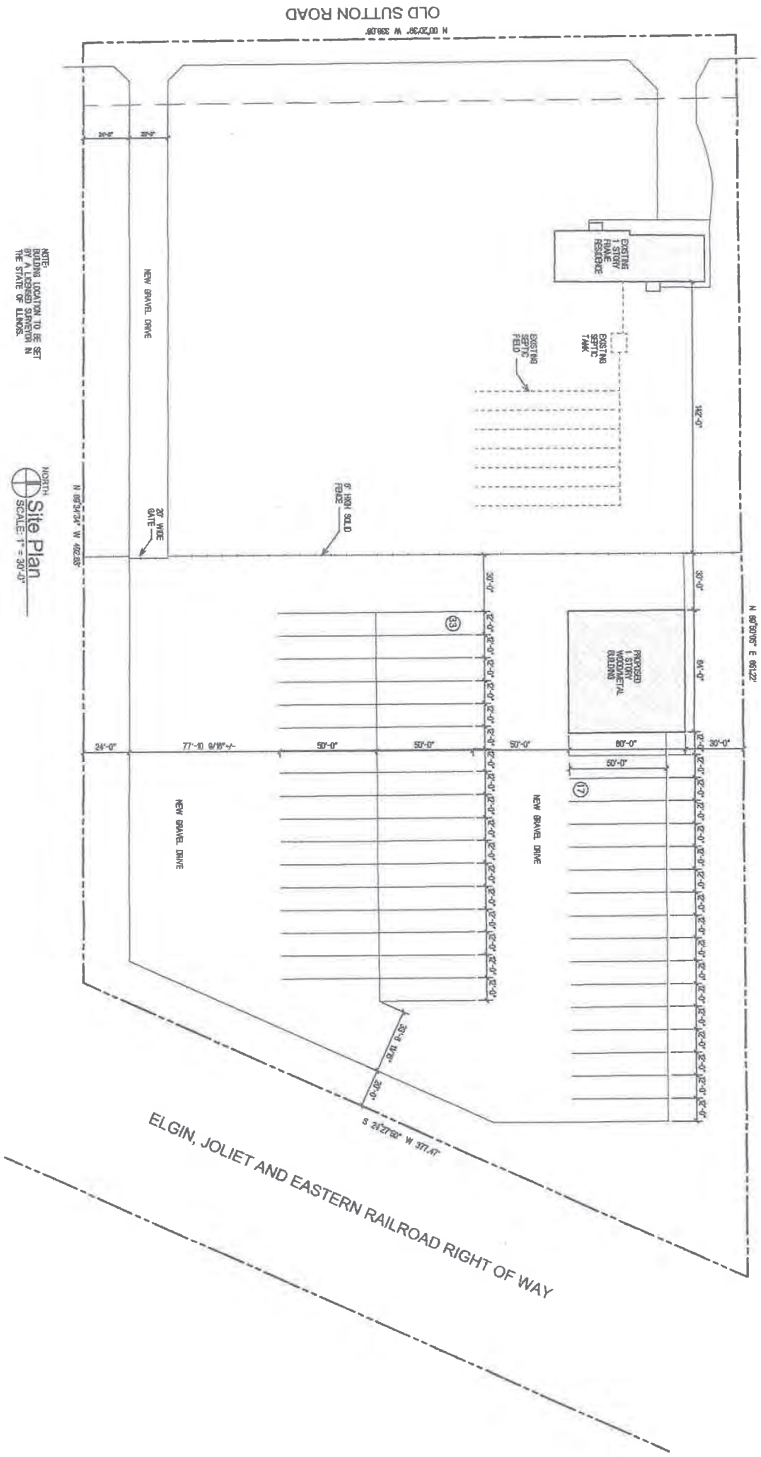

Building
Truck/Dumpster Storage
Compacted Asphalt
Proposed Compacted Asphalt Area
Old Sutton Road
Grass
Compacted Asphalt
LEGEND
= Property Boundary
= Storm Water Flow Direction
= Drainage Ditch
= Earthen Berm
= Fence
= Proposed Compacted Asphalt Area
= Current Compacted Asphalt Area
= Proposed Silt Fence
Total Property Area = ~4.26 Acres
0 12.5' 25 50'
August Mack
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
15N003 Old Sutton Road
Barrington Hills, Illinois
SWPPP Site Plan
DATE: 04/04/2022
FILENAME: Northern Illinois/Michigan/JW0818/SWPPP_Base.dwg
DRAWN BY: BA
MODIFIED BY: BA
PROJECT NO.: JW0818.355
GEOMET: NS
SCALE: 1" = 50'
FIGURE 2

EXHIBIT F

PROPOSED PARKING PLAN FOR
15N803 OLD SUTTON ROAD BARRINGTON, IL 60010



Reitan Architects, LLC.
214 S. Rose Street - Palatine, Illinois 60067
PH. 847-519-1227 - FAX 847-519-0347
Assumed Name No. 184-004063

PROPOSED WOOD/METAL BUILDING
Cris Rodriquez Residence
15N803 OLD SUTTON ROAD
BARRINGTON, ILLINOIS 60010

REVISIONS 10/20/2022

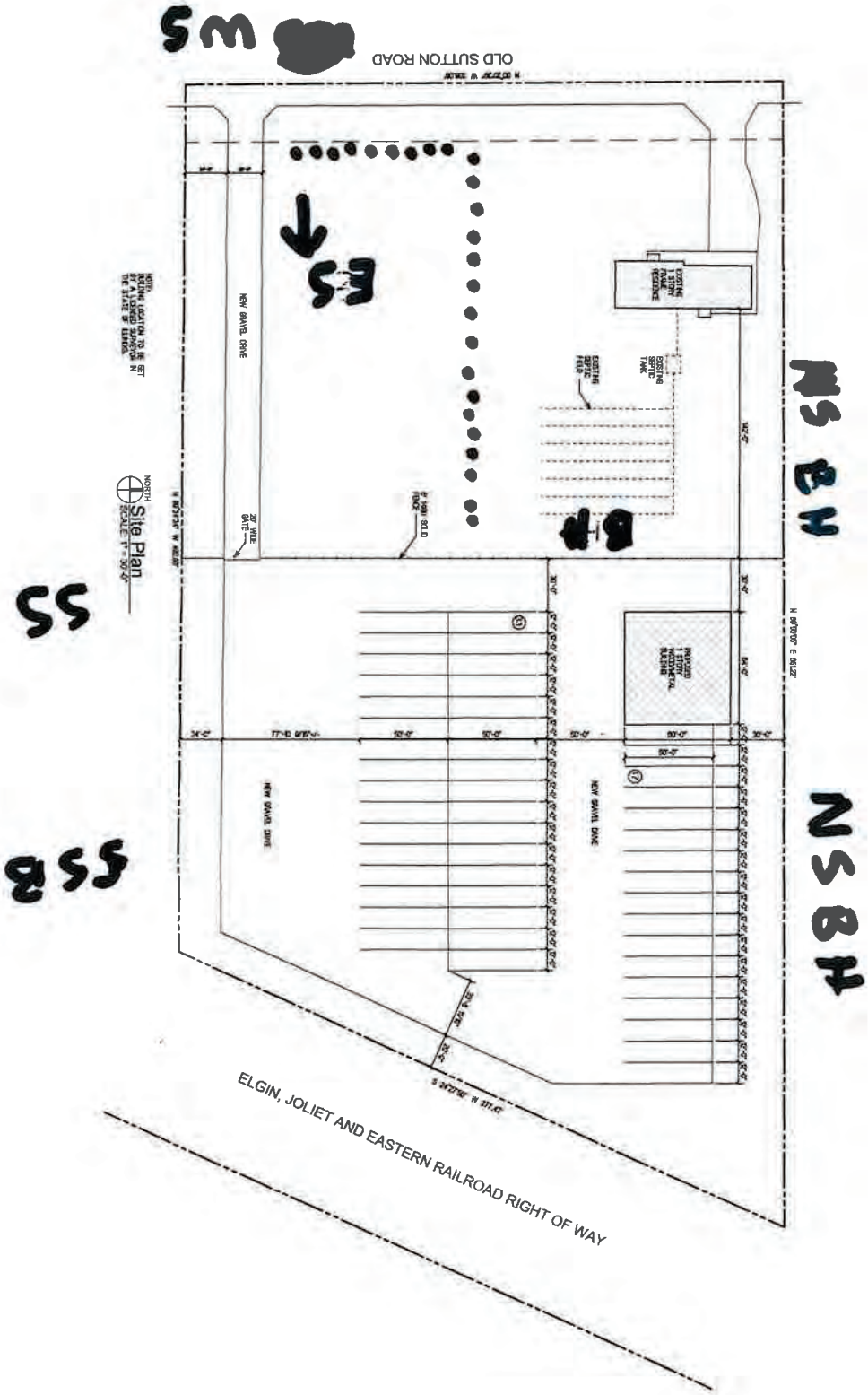
DATE OCTOBER 18, 2022

PROJECT NO. 220

SHEET A1 OF 1

SHEET NAME SITE PLAN

10-20-22



Reitan Architects, LLC.
214 S. Rose Street - Palatine, Illinois 60067
PH. 847-519-1227 - FAX 847-519-0347
Assumed Name No. 184-004083

PROPOSED WOOD/METAL BUILDING
Cris Rodriquez Residence
15N803 OLD SUTTON ROAD
BARRINGTON, ILLINOIS 60010

REVISIONS 10/20/2022

DATE OCTOBER 18, 2022

SHEET A1 OF 1

SHEET NAME SITE PLAN

PROJECT NO. 220

Leadership

Toni Preckwinkle
President
Cook County Board of Commissioners

Erik Mikaitis, MD, MBA
Interim Chief Executive Officer
Cook County Health

LaMar Hasbrouck, MD, MPH, MBA
Chief Operating Officer

Board of Directors

Lyndon Taylor
Chair of the Board

Hon. Dr. Dennis Deer, LCPC, CCFC
Vice Chair of the Board

Jay Bhatt, DO, MPH, MPA
Robert Currie
Raul Garza
Joseph M. Harrington

Robert G. Reiter, Jr.
Sam A Robinson, III, PhD
Tanya R. Sorrell, PhD, PMHNP-BC
Mia Webster Cross, MSN, RN

May 24, 2024

Cristobal Rodriguez
15N803 N. Old Sutton Road
Barrington, IL 60010

RE: Cook County Department of Public Health private sewage disposal system (septic) and well review towards development of a truck lot, truck maintenance building and logistics operation business proposal at 15N803 N. Old Sutton Road, Barrington (unincorporated), Illinois The eastern section of PIN: 01-28-102-010-0000

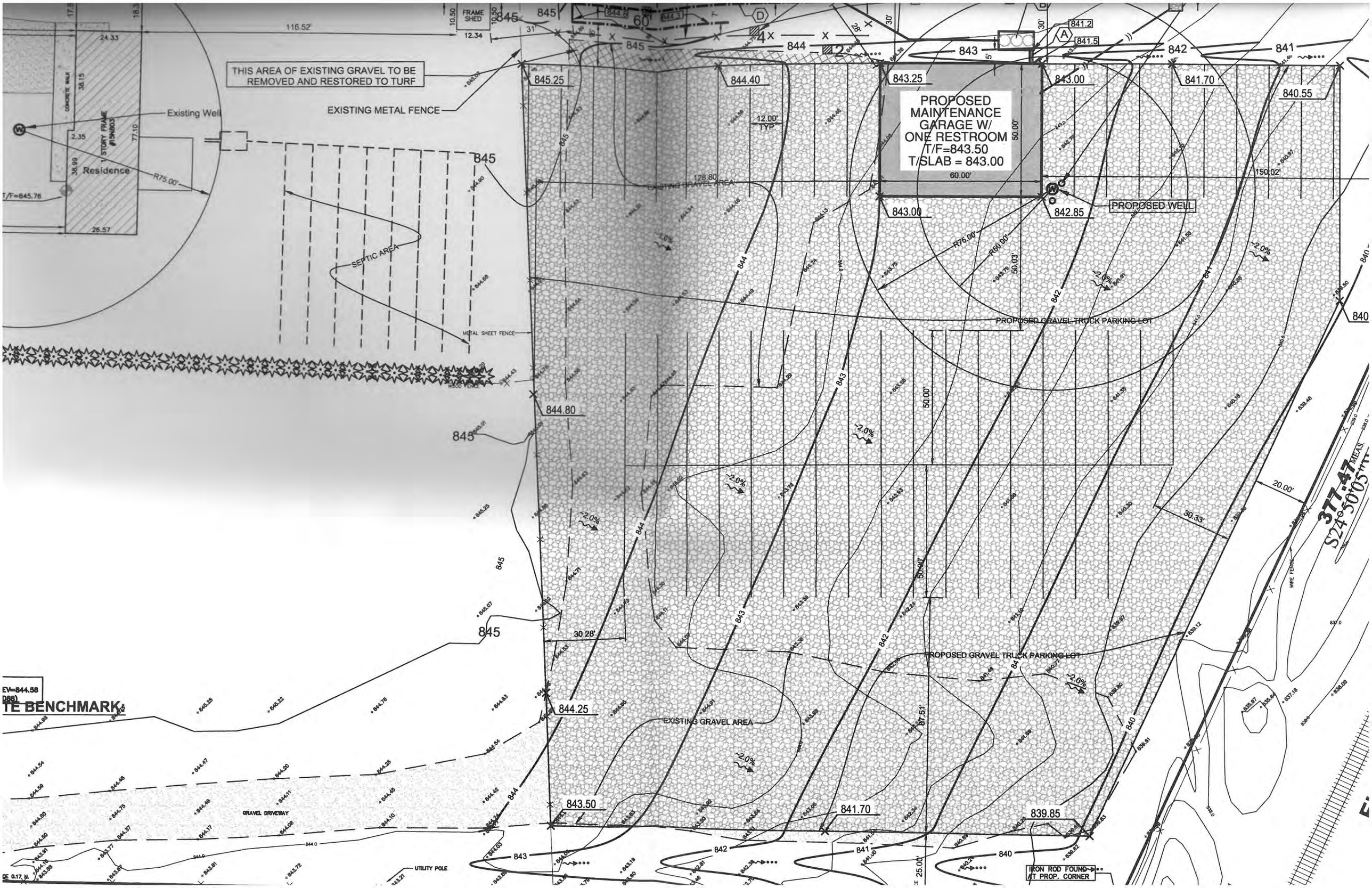
Dear Mr. Rodriguez,
The Cook County Dept. of Public Health (Department/CCDPH) has reviewed the request to develop a truck trailer lot, truck maintenance building, logistics operation business, vehicle storage/rental lot and other related operation at 15N803 N. Old Sutton Road, Barrington, Illinois otherwise contained in the PIN: 01-28-102-010. As part of this review we have looked at a proposed septic plan, water well location, drainage and storm water management features of the proposal, and the water system as a potential non-community public water system. We give our APPROVAL towards the development of the property and zoning changes. We find based on the proposal that a septic and well will be achievable, sized and spaced adequately to serve the property for its proposed development.
This approval is towards the zoning change and its proposed development as a truck lot and logistics business. It is not an approval on an actual septic or well CCDPH permit, or change approval. Review on the well and septic plans' details is a separate review and approval process, which must be addressed through contacting me directly.

If you need to contact me, please don't hesitate to do so at (847) 818-2841 or email: joseph.durczak@cookcountyhealth.org

Sincerely,

Joe Durczak, MS, LEHP
Private Sewage Disposal and Water Program Manager

Cook County Department of Public Health
2121 Euclid Ave., Room 250
Rolling Meadows, IL 60008


THIS AREA OF EXISTING GRAVEL TO BE REMOVED AND RESTORED TO TURF
EXISTING METAL FENCE
Existing Well
Residence
1 STORY FRAME
CONCRETE WALK
T/F=845.76
R75.00'
116.52'
24.33
38.15
77.10
38.99
26.57
FRAME SHED
12.34
10.50
SEPTIC AREA
METAL SHEET FENCE
WIRE FENCE
PROPOSED MAINTENANCE GARAGE W/ ONE RESTROOM
T/F=843.50
T/SLAB = 843.00
60.00'
50.00'
12.00' TYP.
128.80
EXISTING GRAVEL AREA
PROPOSED WELL
PROPOSED GRAVEL TRUCK PARKING LOT
R75.00'
R50.00'
50.03'
150.02'
87.51'
30.28'
30.33'
20.00'
25.00'
-2.0%
845.25
844.40
843.25
843.00
841.70
840.55
842.85
844.80
844.25
843.50
841.70
839.85
841.2
841.5
377.47 MEAS.
S24°50'05"W
EV=844.58
TE BENCHMARK
GRAVEL DRIVEWAY
UTILITY POLE
IRON ROD FOUND AT PROP. CORNER

PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 OLD SUTTON RD BARRINGTON, IL 60010

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES OF THE LOCAL JURISDICTION , CITY OF SAINT CHARLES AND THE STATE OF ILLINOIS AT THE TIME OF PERMIT AND CONSTRUCTION.

2. ALL INTERIOR DIMENSIONS ARE TO THE ROUGH FACE OF THE WALL, UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.

4. VARIATIONS IN THE FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IN WRITTEN. WORK SHALL NOT PROGRESS UNTIL CLARIFICATION FROM THE ARCHITECT IS OBTAINED.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS BY INDIVIDUAL SUB-CONTRACTORS SHALL BE REMOVED FROM THE BUILDING AND ADJOINING PROPERTY ON A DAILY BASIS.

6. ALL WORK SHALL BE ERECTED PLUMB, LEVEL AND TRUE AND IN ACCORDANCE WITH DETAILS. EXCESSIVELY SCUFFED, SCRATCHED, DENTED OR OTHERWISE DAMAGED FINISHED SURFACES MUST BE REPAIRED OR REPLACED AS DIRECTED BY OWNER.

7. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND CONSTRUCTION PRIOR TO EXCAVATION AND NOTIFY ARCHITECT UPON FINDING ANY SUCH ADVERSE CONDITIONS/ CONSTRUCTION (CALL J.U.L.I.E.).

8. EXCAVATOR, CONCRETE CONTRACTOR AND G.C. TO NOTIFY UTILITY COMPANIES PRIOT TO EXCAVATING FOR GAS, WATER, ELECTRIC, SEWER, CABLE AND TELEPHONE LINES (CALL J.U.L.I.E.).

9. EXCAVATING CONTRACTOR RESPONSIBLE FOR ROUGH GRADING. LANDSCAPE CONTRACTOR RESPONSIBLE FOR FINISH GRADING.

10. DO NOT SCALE DRAWINGS. LARGE SCALE DRAWINGS AND DETAILS GOVERN OVER SMALLER SCALE DRAWINGS.

11. FLASHING TO BE PROVIDED AT ALL EXTERIOR OPENINGS, INCLUDING WINDOW HEADS, HORIZONTAL WOOD TRIM, STOPS, WINDOW AND DOOR SILLS, AT BOTTOM OF ALL CAVITY WALLS, AT ALL ROOF VALLEYS AND AT CHIMNEY INTERSECTIONS AND SHALL BE INSTALLED IN SUCH A MANNER TO BE LEAK PROOF.

12. EXCAVATE LOOSE FILL AND PROVIDE COMPACTED FILL TO LEVEL OF CRUSHED GRAVEL.

13. SMOKING IS PROHIBITED IN BUILDING OR ON SITE EXCEPT FOR DESIGNATED SMOKING AREAS.

14. ALL NAILS, SCREWS, ETC. SHOULD BE SECURED DAILY.

15. ALL PERMIT FEES OR BUSINESS LICENSES TO BE PAID BY RESPECTIVE SUB-CONTRACTORS.

16. OWNER SHALL PAY THE GENERAL BUILDING PERMIT FEE.
17. THE GENERAL CONTRACTOR SHALL PROVIDE A "PORT-A-JOHN" FOR USE DURING THE DURATION OF CONSTRUCTION. THE LOCATION SHALL BE APPROVED BY THE OWNER.

18. "ABC" FIRE EXTINGUISHERS TO BE VISIBLE & ACCESSIBLE WHERE REQUIRED.

19. THE SUB-CONTRACTORS SHALL NOTIFY THE OWNER IF DRIVEWAY, ELECTRICAL POWER OR PLUMBING SUPPLIES WILL BE OUT OF SERVICE FOR A PERIOD GREATER THAN SIX HOURS. THIS NOTICE SHOULD BE GIVEN 24 HOURS IN ADVANCE.

20. ALL INTERIOR FINISHES TO MEET CLASS 1 FLAME SPREAD (0-25 F.S.R.).

21. ALL EXIT DOORS TO BE KEYLESS IN THE DIRECTION OF EXIT.

22. ALL CONTRACTORS, SUB-CONTRACTORS, AND SUPPLIERS MUST HAUL AWAY A GARBAGE, DEBRIS, AND SCRAPS RESULTING FROM THEIR WORK AT THE SITE. THE ABOVE MUST BE SWEPT UP AT THE END OF EACH DAY AND HAULED AWAY. NO DEBRIS SHALL BE PLACED FOR REMOVAL BY THE OWNERS SITE GARBAGE COLLECTION SERVICE. ANY DEBRIS LEFT BY CONTRACTORS, SUB-CONTRACTORS, OR SUPPLIERS SHALL HAULED AWAY AT THEIR EXPENSE.

23. ROUGH CARPENTER TO PROVIDE 2X12 BLOCKING AT ALL BATH ACCESSORY LOCATIONS, ACCESSIBILITY HANDRAIL LOCATIONS, AND ALL CLST. SHELF LOCATIONS.

24. ALL FINISH WOOD FLOOR AND WOOD TRIM MATERIAL TO BE ON SITE TO ACCLIMATE MIN. 7 DAYS PRIOR TO INSTALLATION.

25. FOR ALL OWNER SUPPLIED ITEMS TO BE DELIVERED F.O.B. TAILGATE, CONTRACTOR IS RESPONSIBLE FOR LOADING AND STORAGE OF MATERIALS.

26. COORDINATE DOOR HARDWARE TYPE WITH OWNER/ARCHITECT PRIOR TO BORING DOORS.

27. "JOB COPY" ORIGINAL PERMIT DRAWINGS AND THE ORIGINAL PERMIT CARD TO BE KEPT AT THE JOB SITE AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

28. ALL CONTRACTORS AND SUB-CONTRACTORS RESPONSIBLE FOR ALL APPLICABLE PERMITS, BONDS, AND INSURANCE. CONTRACTOR TO SAVE AND PROVIDE TO OWNER ALL PAPERWORK AND LITERATURE PROVIDED WITH ANY OWNER AND/OR CONTRACTOR SUPPLIED ITEM.

29. THE G.C. SHALL NOT PROCEED WITH ANY ADDITIONAL WORK OR CHANGES FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE ORIGINAL CONTRACT AMOUNT, WITHOUT WRITTEN AUTHORIZATION FROM OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

30. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/OWNER.
31. PROVIDE EXPANSIVE "FIRE-STOP" PUTTY AT ALL THROUGH-PLATE PENETRATIONS AND 2X4 BLOCKING AT ALL SOFFITS. FIRESTOPPING SHALL BE PROVIDED AT ALL JUNCTIONS OF VERTICAL AND HORIZONTAL INCLOSED SPACES, SUCH AS TOPS OF STAIRS, BOT. OR BACK SIDES OF SOPHIST, TOPS OF PLUMBING WALLS, ETC.

32. ALL FLOOR FINISHES SHALL HAVE F.S.R. NOT GREATER THAN 75.

33. THESE DRAWINGS INDICATE THE INTENT, GENERAL CHARACTER, REQUIREMENTS AND APPROXIMATE LOCATION OF THE WORK SHOWN. THE CONTRACTOR SHALL BE EXPECTED TO WORK WITH UNFORESEEN FIELD CONDITIONS, REQUIRING MINOR DESIGN ADJUSTMENTS AND SHALL BE EXPECTED TO PROVIDE A FULLY COMPLETE AND OPERATIONAL BUILDING AND ALL BUILDING SYSTEMS.

34. ALL CONTRACTORS SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ARCHITECT AND THEIR AGENTS FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY FEES ARISING OUT OF PERFORMANCE OF THE WORK WHEN ANY SUCH CLAIMS ARE ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DEATH, INJURY OR DESTRUCTION TO PROPERTY OR WHEN SUCH CLAIMS ARE CAUSED IN PART OR IN FULL BY ANY NEGLIGENCE OR OMISSION BY THE CONTRACTOR OR HIS AGENTS. THIS NEGLIGENCE INCLUDES FAILURE TO OBSERVE CONTRACT DOCUMENTS PROVIDED BY ARCHITECT.

35. ALL CONTRACTORS TO VISIT PREMISE, NOTE CONDITIONS PERTAINING TO WORK TO BE DONE, CHECK AND VERIFY ALL NOTES, FIGURES AND DIMENSIONS AT THE SITE BEFORE FABRICATING ANY NEW CONSTRUCTION. VARIATION IN FIELD CONDITIONS RELATIVE TO CONTRACT DOCUMENTS SHALL BE REPORTED TO ARCHITECT IN WRITING, AND WORK SHELL NOT PROGRESS UNTIL PERMISSION FROM ARCHITECT OR HIS AGENT IS OBTAINED.

36. ALL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS & ELEVATIONS AT THE SITE AND MUST ADOPT HIS WORK TO ACTUAL CONDITIONS IN MANNER APPROVED BY ARCHITECT AT NO ADDITIONAL COST TO OWNER.

37. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH CONTRACT DOCUMENTS, UNRELIEVED BY REVIEW BY SHOP DRAWINGS; FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS; FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING SCAFFOLDING, BRACING, ERECTION, ETC); FOR COORDINATION OF THE VARIOUS TRADES; FOR SAFE CONDITIONS ON JOB SITE; AND FOR THE PEOPLE AND PROPERTY AT THE SITE

38. INFORMATION CONTAINING ON THE DRAWING IS IN ITSELF INCOMPLETE, AND VOID UNLESS USED IN CONJUNCTION WITH ALL SPECIFICATIONS, TRADE PRACTICES, AND APPLICABLE STANDARDS, CODES, ETC. INCORPORATED THEREIN BY REFERENCE OF WHICH THE CONTRACTOR CERTIFIES KNOWLEDGE BY SIGNING THE CONTRACT

SITE NOTES:

1. CALL 'HOTLINE' TO HAVE EXISTING UNDERGROUND UTILITIES LOCATED.

2. VERIFY UTILITY CONNECTIONS WITH UTILITY'S CO.

3. GENERAL CONTRACTOR TO PATCH AND MATCH ALL EXISTING SIDEWALKS, CURBS, AND PAVING DEMOLISHED FOR UTILITY WORK. ALL WORK TO MEET EXISTING PROFILES AND ALL ILLINOIS STANDARDS FOR PAVING WORK.

4. SLOPE GRADE MINIMUM 6" IN FIRST 10 FEET AWAY FROM BUILDING.

5. GRADE TO BE 6" BELOW FLOOR LINE, EXCEPT AT ENTRY.

6. ALL CONCRETE WORK SHALL COMPLY WITH CURRENT A.C.I. STANDARDS.

7. ALL EXIT DOORS, THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THRESHOLD (MAX. 1/2" HIGH).

8. SLOPE ALL CONCRETE STOOPS AND WALKS AWAY FROM BUILDING - MIN. 1/4" PER FOOT - BROOM FINISH.

9. VERIFY AND PROTECT ALL EXISTING UTILITIES.

10. PAINT ALL EXPOSED METAL NOT PRE-FINISHED.

11. PAINT 4" WIDE PARKING STALL STRIPES.

12. CONTRACTOR SHALL RESTORE EXISTING LAWN AREAS, CONCRETE SLABS, CURBS, PAVEMENT, ETC. DAMAGED BY OR DURING CONSTRUCTION.

CARPENTRY NOTES:

1. INSTALL DOUBLE FRAMING AROUND ALL FLOOR OR ROOF OPENINGS OR AS INDICATED, INCLUDING STAIRS OPENINGS AND ACCESS PANELS.

2. DO NOT CUT OR DRILL THROUGH THE BOTTOM THIRD OF ANY BEAM OR JOIST.

3. AN INSPECTION OF FLOOR JOISTS MUST BE CONDUCTED BEFORE COVERING WITH SHEATHING

4. DRYWALL NOTE: USE 5/8" GYPSUM BOARD THROUGHOUT, USE FIRECODE TYPE 'C' AT STAIRS, CEILINGS AND BEARING WALLS

LUMBER NOTES:

1. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE WOLMANIZED LUMBER

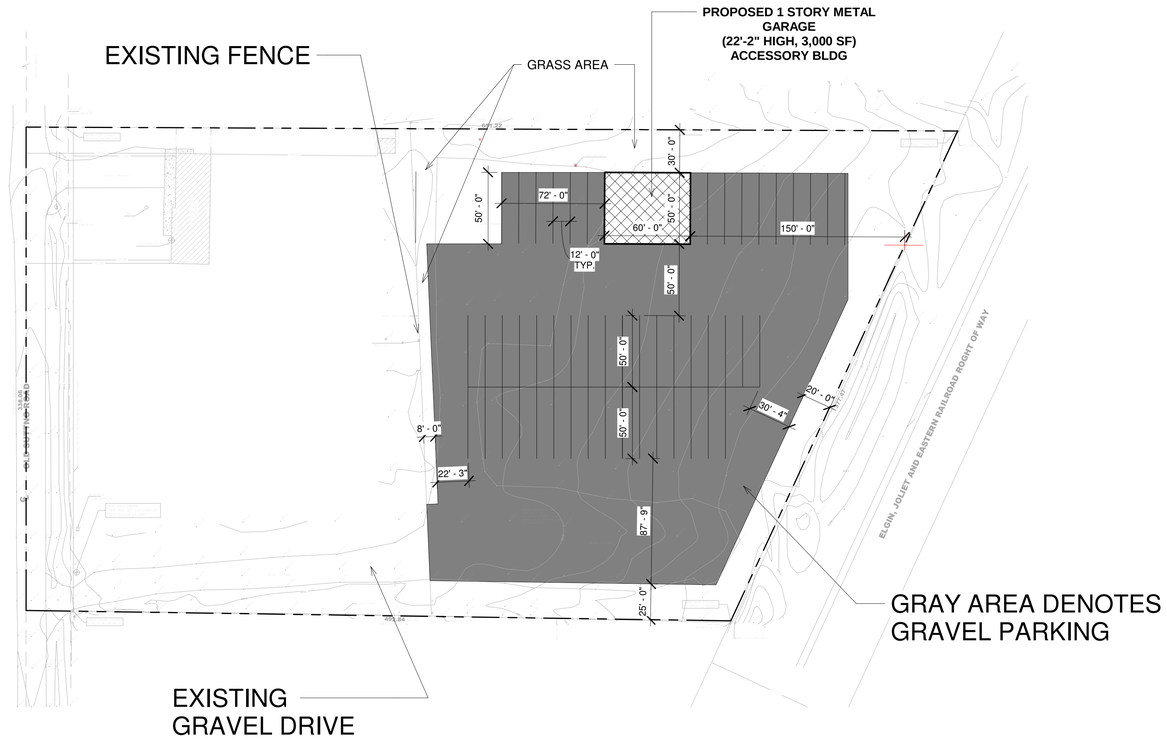
2. PIPE SHAFTS AND DUCTS PASSING FROM ONE FLOOR TO ANOTHER SHALL BE ENCLOSED WITH CONSTRUCTION PROVIDING FIRE RESISTANCE OF NOT LESS THAN ONE HOUR EXCEPT THAT PIPES AND DUCTS REQUIRING OPENINGS THROUGH FLOORS NOT EXCEEDING 9 SQ.FT. IN AREA SHALL NOT REQUIRE ENCLOSURE; PROVIDED, THAT OPENINGS BETWEEN SUCH PIPES OR DUCTS AND THE FLOOR CONSTRUCTION SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIALS SECURELY HELD IN PLACE TO PREVENT THE PASSAGE OF FIRE

SUPERVISION NOTES:

THESE PLANS WHERE PREPARED BY THE ARCHITECT FOR DESIGN ONLY. NO SUPERVISION BY THE ARCHITECT SHELL BE PROVIDED AT THE JOB SITE. THE WORK IN PROGRESS OR SCHEDULING ANY WORK RESPECTIVE TO THE JOB SHALL NOT BE GOVERNED BY ARCHITECT.

STRUCTURAL GENERAL NOTES:

1. CONTRACTOR SHALL MAINTAIN ADEQUATE PROTECTION OF ALL WORK FROM DAMAGE AND PROTECT OWNER'S PROPERTY FROM INJURY OR LOSS ARISING IN CONNECTION WITH THIS WORK.
2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES AND COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL LAWS TO PREVENT ACCIDENT OR INJURY TO PERSONS OR ADJACENT TO THE AREA WHERE THIS WORK BEING PERFORMED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ARCHITECT OF DISCREPENCIES BEFORE DOING ANY WORK.
4. ALL CONCRETE REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE OF THE AMERICAN CONCRETE INSTITUTE ACI-315 AND THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI-318-89.
5. ALL CONCRETE SHALL BE REGULAR WEIGHT (144 PSF) CONCRETE AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 LBS. PER SQ. INCH AT 28 DAYS. MINIMUM CEMENT CONTENT 5 BAGS PER CU. YD.
6. ALL CONCRETE REINFORCING SHALL BE DEFORMED BARS - A.S.T.M. A615 GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
7. ALL STRUCTURAL STEEL BEAMS AND LINTELS SHALL BE A36 STEEL.
8. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE STEEL CONSTRUCTION MANUAL OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
9. ALL BOLTS SHALL BE A.S.T.M. A307.
10. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS USING COATED ELECTRODES OF E60XX.
11. ALL WELDS SHALL CONFORM WITH THE AMERICAN WELDING SOCIETY SPECS.
12. ALL DRILLED-IN CONCRETE ANCHORS SHALL BE WEDGE-TYPE AS MANUFACTURED BY "RED-HEAD" ITT PHILIPS DRILL CO., MICHIGAN CITY, IND. OR EQUAL.
13. ALL STEEL SHALL HAVE ONE SHOP COAT OF A RUST-INHIBITING PAINT.
14. ALL MORTAR FOR MASONRY WALL CONSTRUCTION SHALL BE TYPE "M" AND CONFORM TO A.S.T.M. C270 SPECIFICATION.
15. ALL PORTLAND CEMENT GROUT SHALL CONFORM TO A.S.T.M. C476 SPECIFICATIONS.



3 PROPOSED SITE PLAN
1" = 50'-0"

BUILDING INFORMATION:

- TYPE OF CONSTRUCTION - TYPE II B

- USE GROUP -/ S-2

- BUILDING AREA : GRADE- 3000 SF

ADOPTED CODES:

•2021 INTERNATIONAL BUILDING CODE
•2021 INTERNATIONAL RESIDENTIAL CODE
•2021 INTERNATIONAL MECHANICAL CODE
•2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH ILLINOIS AMENDMENTS*
•2021 INTERNATIONAL FIRE CODE
•2021 INTERNATIONAL EXISTING BUILDING CODE
• COOK COUNTY PLUMBING CODE
•2014 COOK COUNTY ELECTRICAL CODE

SHEET INDEX

SHEET #	SHEET NAME
A1.0	COVER SHEET
A1.1	ACCESSIBILITY NOTES
A2.0	PLANS
A3.0	ELEVATIONS
M1.0	MECHANICAL PLAN
E1.0	ELECTRICAL PLANS
P1.0	PLUMBING DIAGRAMS SCHEDULES AND NOTES

CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE. THEY COMPLY WITH THE ZONING ORDINANCES AND BUILDING CODES OF COOK COUNTY AND THE STATE OF ILLINOIS.

Kacprzynski Andrzej ---------- 2/4/2024

ANDRZEJ KACPRZYNSKI
ILLINOIS LICENSE # 001.021686, EXPIRES: 11-30-24

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,LTD
andrzej kacprzynski
president
cell: 7.5309988 AIA,CSI,CCS,CCCA
www.proplanarchitects.com
andy@proplanarchitects.com

PROPOSED ONE STORY MTL STORAGE BUILDING
15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	19-3
DRAWN BY:	A.L.
CHECKED BY:	A.K.

DRAWING
COVER SHEET

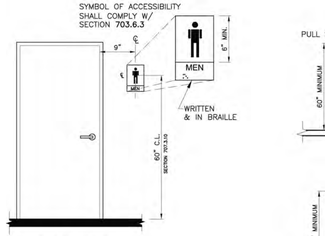
SHEET
A1.0

703.6.3 PROPORTIONS INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: N.T.S.

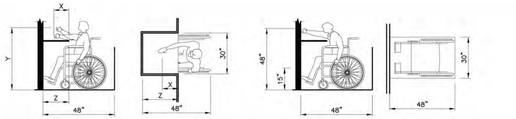
703.6.3 DISPLAY CONDITIONS INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: N.T.S.



703.5 LOCATION OF PICTOGRAMS SIGN AT DOORS

SCALE: N.T.S.

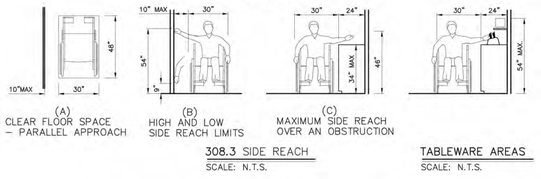


(B) MAXIMUM FORWARD REACH OVER AN OBSTRUCTION
NOTE: X SHALL BE ≤25", Z SHALL BE ≥X.
WHEN X<20, THEN Y SHALL BE 48" MAXIMUM.
WHEN X IS 20"–25", THEN Y SHALL BE 44" MAXIMUM.

(A) HIGH FORWARD REACH LIMIT

308.2 FORWARD REACH

SCALE: N.T.S.



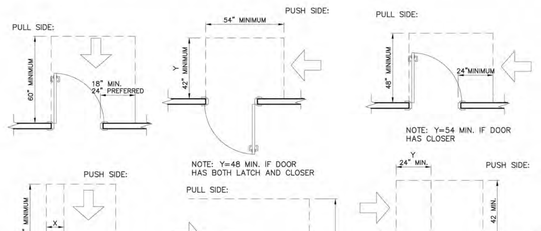
(A) CLEAR FLOOR SPACE – PARALLEL APPROACH

(B) HIGH AND LOW SIDE REACH LIMITS

(C) MAXIMUM SIDE REACH OVER AN OBSTRUCTION

308.3 SIDE REACH

SCALE: N.T.S.



(A) FRONT APPROACHES – SWINGING DOORS

(B) HINGE SIDE APPROACHES – SWINGING DOORS

(C) LATCH SIDE APPROACHES –SWINGING DOORS

TABLEWARE SERVICE

SCALE: N.T.S.

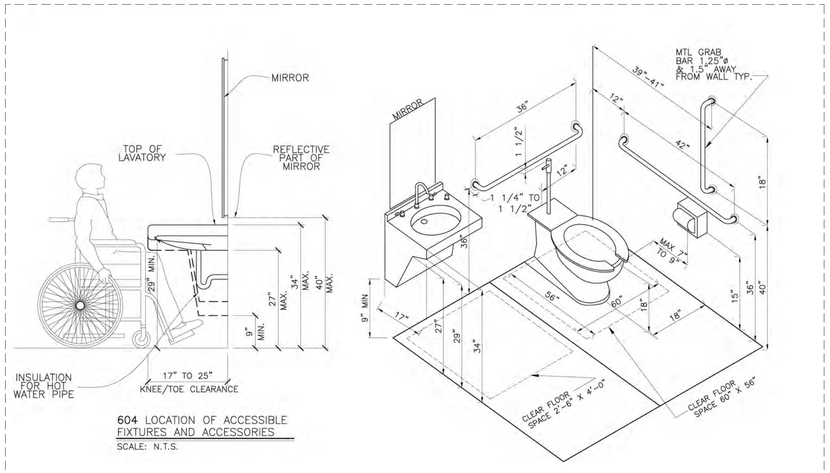
404.2.3.1 MANEUVERING CLEARANCE AT DOORS

SCALE: N.T.S.

606.6 EXPOSED PIPES AND SURFACES.

SCALE: N.T.S.

606.6 EXPOSED PIPES AND SURFACES.
WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.



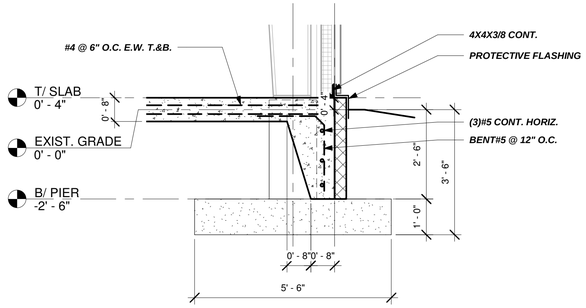
604 LOCATION OF ACCESSIBLE FIXTURES AND ACCESSORIES

SCALE: N.T.S.

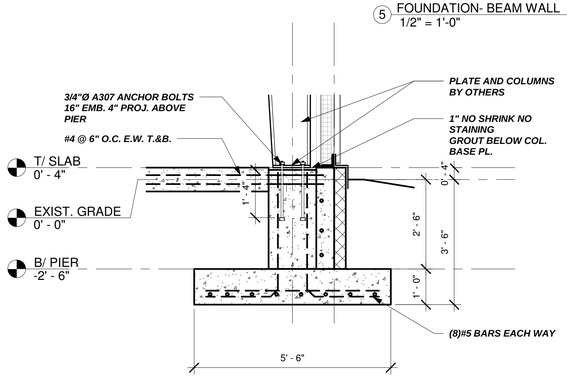
2018 ILLINOIS ACCESSIBILITY CODE

CHAPTER 3: BUILDING BLOCKS
301 General
301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or
where
referenced by a requirement in this document.
302 Floor or Ground Surfaces
302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and
shall
comply with 302.
EXCEPTIONS:
1. Within animal containment areas, floor and ground surfaces shall not be required to
be stable, firm, and slip resistant.
2. Areas of sport activity shall not be required to comply with 302.
302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm
cushion, pad,
or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured
loop, level
cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum.
Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the
entire
length of the exposed edge. Carpet edge trim shall comply with 303.
NOTE: Where a mat is used on a temporary or seasonal basis, the mat shall be
securely
attached or have a backing designed to be non-slip.
302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a
sphere more
than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3
and
810.10. Elongated openings shall be placed so that the long dimension is
perpendicular to the
dominant direction of travel.
303 Changes in Level
303.1 General. Where changes in level are permitted in floor or ground surfaces, they
shall
comply with 303.
EXCEPTIONS:
1. Animal containment areas shall not be required to comply with 303.
2. Areas of sport activity shall not be required to comply with 303.
303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted
to be
vertical.
303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2
inch (13
mm) high maximum shall be beveled with a slope not steeper than 1:2.
303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped,
and shall
comply with 405 or 406.
304 Turning Space
304.1 General. Turning space shall comply with 304.
304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall
comply with
302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.
304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm)
diameter minimum. The space shall be permitted to include knee and toe clearance
complying with 306.
304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60
inch
(1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum.
Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each
direction and the base shall be clear of obstructions 24 inches (610 mm) minimum.
The
space shall be permitted to include knee and toe clearance complying with 306 only at
the end of either the base or one arm.
304.4 Door Swing. Doors shall be permitted to swing into turning spaces.
305 Clear Floor or Ground Space
305.1 General. Clear floor or ground space shall comply with 305.
305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground
space shall
comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
305.3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by
48 inches
(1220 mm) minimum.
305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground
space shall be
permitted to include knee and toe clearance complying with 306.
305.5 Position. Unless otherwise specified, clear floor or ground space shall be
positioned for
either forward or parallel approach to an element.
305.6 Approach. One full unobstructed side of the clear floor or ground space shall
adjoin an
accessible route or adjoin another clear floor or ground space.
305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an
alcove or
otherwise confined on all or part of three sides, additional maneuvering clearance shall
be
provided in accordance with 305.7.1 and 305.7.2.
305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum
where
the depth exceeds 24 inches (610 mm).
305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum
where
the depth exceeds 15 inches (380 mm).
306 Knee and Toe Clearance
306.1 General. Where space beneath an element is included as part of clear floor or
ground
space or turning space, the space shall comply with 306. Additional space shall not be
prohibited beneath an element but shall not be considered as part of the clear floor or
ground
space or turning space.
306.2 Toe Clearance.
306.2.1 General. Space under an element between the finish floor or ground and 9
inches (230 mm) above the finish floor or ground shall be considered toe clearance
and
shall comply with 306.2.
306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum
under an element.
306.2.3 Minimum Required Depth. Where toe clearance is required at an element as
part of a clear floor space, the toe clearance shall extend 17 inches (430 mm)
minimum
under the element.
306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm)
beyond
the available knee clearance at 9 inches (230 mm) above the finish floor or ground
shall
not be considered toe clearance.
306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.
306.3 Knee Clearance.
306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches
(685 mm) above the finish floor or ground shall be considered knee clearance and
shall
comply with 306.3.
306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum
under an element at 9 inches (230 mm) above the finish floor or ground.
306.3.3 Minimum Required Depth. Where knee clearance is required under an
element
as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep
minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205
mm)
deep minimum at 27 inches (685 mm) above the finish floor or ground.
306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm)
above the finish floor or ground, the knee clearance shall be permitted to reduce at a
rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.
306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.
307 Protruding Objects
307.1 General. Protruding objects shall comply with 307.
307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm)
and not
more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4
inches (100
mm) maximum horizontally into the circulation path.
EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm)
maximum.
307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall
overhang
circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm)
minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where
a sign or other
obstruction is mounted between posts or pylons and the clear distance between the
posts or
pylons is greater than 12 inches (305 mm), the lowest edge of such sign or
obstruction shall be
27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish
floor or
ground.
EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be
required to comply with 307.3.
307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high
minimum.
Guardrails or other barriers shall be provided where the vertical clearance is less than
80 inches
(2030 mm) high. The leading edge of such guardrail or barrier shall be located 27
inches (685
mm) maximum above the finish floor or ground.
EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980
mm)
minimum above the finish floor or ground.
307.5 Required Clear Width. Protruding objects shall not reduce the clear width
required for
accessible routes.
308 Reach Ranges
308.1 General. Reach ranges shall comply with 308.
308.2 Forward Reach.
308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach
shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches
(380 mm) minimum above the finish floor or ground.
308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction,
the
clear floor space shall extend beneath the element for a distance not less than the
required reach depth over the obstruction. The high forward reach shall be 48 inches
(1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where
the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44
inches
(1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.
308.3 Side Reach.
308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach
to an element and the side reach is unobstructed, the high side reach shall be 48
inches
(1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum
above the finish floor or ground.
EXCEPTIONS:
1. An obstruction shall be permitted between the clear floor or ground space and
the element where the depth of the obstruction is 10 inches (255 mm)
maximum.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm)
maximum measured from the surface of the vehicular way where fuel
dispensers are installed on existing curbs.
309 Operable Parts
309.1 General. Operable parts shall comply with 309.
309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be
provided.
309.3 Height. Operable parts shall be placed within one or more of the reach ranges
specified
in 308.
309.4 Operation. Operable parts shall be operable with one hand and shall not require
tight
grasping, pinching, or twisting of the wrist. The force required to activate operable
parts shall
be 5 pounds (22.2 N) maximum.
EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that
have
an activating force of 5 pounds (22.2 N) maximum.

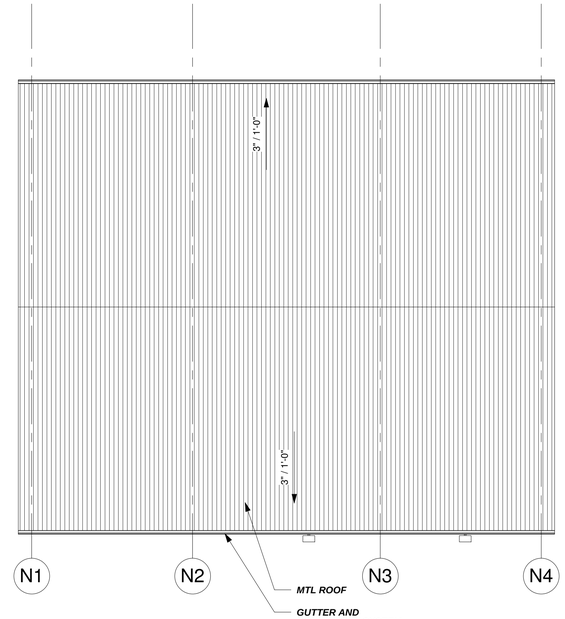
CHAPTER 4: ACCESSIBLE ROUTES
401 General
401.1 Scope. The provisions of Chapter 4 shall apply where required by Chapter 2 or where
referenced by a requirement in this document.
402 Accessible Routes
402.1 General. Accessible routes shall comply with 402.
402.2 Components. Accessible routes shall consist of one or more of the following
components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps,
curb ramps excluding the flared sides, elevators, and platform lifts. All components of an
accessible route shall comply with the applicable requirements of Chapter 4.
403 Walking Surfaces
403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.
403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.
403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross
slope of walking surfaces shall not be steeper than 1:48.
403.4 Changes in Level. Changes in level shall comply with 303.
403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.
EXCEPTION: Within employee work areas, clearances on common use circulation paths
shall be permitted to be decreased by work area equipment provided that the decrease
is essential to the function of the work being performed.
403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of
walking surfaces shall be 36 inches (915 mm) minimum.
EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815
mm) minimum for a length of 24 inches (610 mm) maximum provided that
reduced width segments are separated by segments that are 48 inches (1220
mm) long minimum and 36 inches (915 mm) wide minimum.
403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn
around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42
inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the
turn and 42 inches (1065 mm) minimum leaving the turn.
EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum
compliance with 403.5.2 shall not be required.
403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525
mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing
spaces shall be either: a space 60 inches (1525 mm) minimum by 60 inches (1525 mm)
minimum; or, an intersection of two walking surfaces providing a T-shaped space
complying with 304.3.2 where the base and arms of the T-shaped space extend 48
inches (1220 mm) minimum beyond the intersection.
403.5.4 Aisle Width in Libraries. The clear width of aisles between stacks in libraries
shall be 42 inches minimum (1065 mm).
EXCEPTION: In existing buildings and alterations, the minimum width shall be 36
inches (915 mm) minimum.
403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not
steeper than 1:20 they shall comply with 505.
404 Doors, Doorways, and Gates
404.1 General. Doors, doorways, and gates that are part of an accessible route shall comply
with 404.
EXCEPTION: Doors, doorways, and gates designed to be operated only by security
personnel shall not be required to comply with 404.2.7, 404.2.8, 404.2.9, 404.3.2 and
404.3.4 through 404.3.7.
404.2 Manual Doors, Doorways, and Manual Gates. Manual doors and doorways and manual
gates intended for user passage shall comply with 404.2.
404.2.1 Revolving Doors, Gates, and Turnstiles. Revolving doors, revolving gates, and
turnstiles shall not be part of an accessible route.
404.2.2 Double-Leaf Doors and Gates. At least one of the active leaves of doorways
with two leaves shall comply with 404.2.3 and 404.2.4.
404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm)
minimum. Clear openings of doorways with swinging doors shall be measured between
the face of the door and the stop, with the door open 90 degrees. Openings more than
24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum.
There shall be no projections into the required clear opening width lower than 34 inches
(865 mm) above the finish floor or ground. Projections into the clear opening width
between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground
shall not exceed 4 inches (100 mm).
EXCEPTIONS:
1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required
clear width shall be permitted for the latch side stop
2. Door closers and door stops shall be permitted to be 78 inches (1980 mm)
minimum above the finish floor or ground.
404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates
shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the
doorway and the required latch side or hinge side clearance.
EXCEPTION: Entry doors to hospital patient rooms shall not be required to
provide the clearance beyond the latch side of the door.
404.2.4.1 Swinging Doors and Gates. Swinging doors and gates shall have
maneuvering clearances complying with Table 404.2.4.1.
404.2.4.2 Doorways without Doors or Gates, Sliding Doors, and Folding Doors.
Doorways less than 36 inches (915 mm) wide without doors or gates, sliding
doors, or folding doors shall have maneuvering clearances complying with Table
404.2.4.2.
404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward
approach shall be provided when any obstruction within 18 inches (455 mm) of
the latch side of a doorway projects more than 8 inches (205 mm) beyond the
face of the door, measured perpendicular to the face of the door or gate.
404.2.4.4 Floor or Ground Surfaces. Floor or ground surface within required
maneuvering clearances shall comply with 302. Changes in level are not
permitted.
EXCEPTIONS:
1. Slopes not steeper than 1:48 shall be permitted.
2. Changes in level of thresholds complying with 404.2.5 shall be permitted.
404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (13 mm) high
maximum. Raised thresholds and changes in level at doorways shall comply with 302
and 303.
EXCEPTION: Existing or altered thresholds 3/4 inch (19 mm) high maximum that
have a beveled edge on each side with a slope not steeper than 1:2 shall not be
required to comply with 404.2.5.
404.2.6 Doors in Series and Gates in Series. The distance between two hinged or
pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus
the width of doors or gates swinging into the space.
404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable
parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall
be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish
floor or ground. Where sliding doors are in the fully open position, operating hardware
shall be exposed and usable from both sides.
EXCEPTIONS:
1. Existing locks shall be permitted in any location at existing glazed doors
without stiles, existing overhead rolling doors or grilles, and similar existing
doors or grilles that are designed with locks that are activated only at the top
or bottom rail.
2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs
shall be permitted to have operable parts of the release or latch on self-latching devices at 54
inches (1370 mm) maximum above the finish floor orground provided the self-latching devices
are not also locked, bolted, or chained
and operated by means of a key, electronic opener, or integral combination
lock.
404.2.8 Closing Speed. Door and gate closing speed shall comply with 404.2.8.
404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be
adjusted so that from an open position of 90 degrees, the time required to move
the door to a position of 12 degrees from the latch is 5 seconds minimum.
404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that
from the open position of 70 degrees, the door or gate shall move to the closed
position in 1.5 seconds minimum.
404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force
allowable by the appropriate administrative authority. The force for pushing or pulling
opens a door or gate other than fire doors shall be as follows:
1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.
3. Exterior hinged doors and gates: 8.5 pounds (37.8N)
These forces do not apply to the force required to retract latch bolts or
disengage other devices that hold the door or gate in a closed position.
404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches
(255 mm) of the finish floor or ground measured vertically shall have a smooth surface
on the push side extending the full width of the door or gate. Parts creating horizontal
or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane
as the other. Cavities created by such kick plates shall be capped.
EXCEPTIONS:
1. Sliding doors shall not be required to comply with 404.2.10.
2. Tempered glass doors without stiles and having a bottom rail or shoe with
the top leading edge tapered at 60 degrees minimum from the horizontal
shall not be required to meet the 10 inch (255 mm) bottom smooth surface
height requirement.
3. Doors and gates that do not extend to within 10 inches (255 mm) of the
finish floor or ground shall not be required to comply with 404.2.10.
4. Existing doors and gates without smooth surfaces within 10 inches (255 mm)
of the finish floor or ground shall not be required to provide smooth surfaces
complying with 404.2.10 provided that if added kick plates are installed,
cavities created by such kick plates are capped.
404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates,
containing one or more glazing panels that permit viewing through the panels shall have
the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above
the finish floor.
EXCEPTION: Vision lights with the lowest part more than 66 inches (1675 mm)
from the finish floor or ground shall not be required to comply with 404.2.11.
404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates
shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10
(incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and
power assisted doors shall comply with ANSI/BHMA A156.19 (2002 edition) (incorporated by
reference, see "Referenced Standards" in Chapter 1).
404.3.1 Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm)
minimum in power- and power-off mode. The minimum clear width for automatic
door systems in a doorway shall be based on the clear opening provided by all leaves in
the open position.
404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall
comply with 404.2.4. Clearances at automatic doors and gates without standby power
and serving an accessible means of egress shall comply with 404.2.4.
EXCEPTION: Where automatic doors and gates remain open in the power-off
condition, compliance with 404.2.4 shall not be required.
404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with
404.2.5.
404.3.4 Doors in Series and Gates in Series. Doors in series and gates in series shall
comply with 404.2.6.
404.3.5 Controls. Manually operated controls shall comply with 309. The clear floor
space adjacent to the control shall be located beyond the arc of the door swing.
404.3.6 Break Out Opening. Where doors and gates without standby power are a part
of a means of egress, the clear break out opening at swinging or sliding doors and gates
shall be 32 inches (815 mm) minimum when operated in emergency mode.
404.3.7 Power. Where manual swinging doors and gates comply with 404.2 and
serve the same means of egress compliance with 404.3.6 shall not be required.
404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving
gates, and turnstiles shall not be part of an accessible route.
405 Ramps
405.1 General. Ramps on accessible routes shall comply with 405.
EXCEPTION: In assembly areas, aisle ramp adjacent to seating and not serving elements
required to be on an accessible route shall not be required to comply with 405.
405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.
EXCEPTION: In existing sites, buildings, and facilities, ramps shall be permitted to have
running slopes steeper than 1:12 complying with Table 405.2 where such slopes are
necessary due to space limitations.
405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.
405.4 Floor or Ground Surfaces. Floor or ground surfaces of ramp runs shall comply with 302.
Changes in level other than the running slope and cross slope are not permitted on ramp runs.
405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear
width between handrails shall be 36 inches (915 mm) minimum.
EXCEPTION: Within employee work areas, the required clear width of ramps that are a
part of common use circulation paths shall be permitted to be decreased by work area
equipment provided that the decrease is essential to the function of the work being
performed.
405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.
405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run.
Landings shall comply with 405.7.
405.7.1 Slope. Landings shall comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run
leading to the landing.
405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.
405.7.4 Change in Direction. Ramps that change direction between runs at landings
shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm)
minimum.
405.7.5 Doorways. Where doorways are located adjacent to a ramp landing,
maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap
the required landing area.
405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails
complying with 505.
EXCEPTION: Within employee work areas, handrails shall not be required where ramps
that are part of common use circulation paths are designed to permit the installation of
handrails complying with 505. Ramps not subject to the exception to 405.5 shall be
designed to maintain a 36 inch (915 mm) minimum clear width when handrails are
installed.
405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on
each side of ramp runs and at each side of ramp landings.
EXCEPTIONS:
1. Edge protection shall not be required on ramps that are not required to have
handrails and have sides complying with 406.3.
2. Edge protection shall not be required on the sides of ramp landings serving an
adjoining ramp run or stairway.
3. Edge protection shall not be required on the sides of ramp landings having a vertical
drop-off of 1/2 inch (13 mm) maximum within 10 inches (255 mm) horizontally of
the minimum landing area specified in 405.7.
405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run
or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a
handrail complying with 505.
405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of
a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches
(100 mm) of the finish floor or ground surface.
405.10 Wet Conditions. Landings subject to wet conditions shall be designed to prevent the
accumulation of water.
406 Curb Ramps
406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5,
and 405.10.
406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately
adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at
curb ramps to walks, gutters, and streets shall be at the same level.
406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.
406.4 Landings. Landings complying with 405.7.1 shall be provided at the tops of curb ramps.
The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be
at least as wide as the curb ramp, excluding flared sides, leading to the landing.
EXCEPTION: In alterations, where there is no landing at the top of curb ramps, curb
ramp flares shall be provided and shall not be steeper than 1:12.
406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that do
not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at
marked crossings shall be wholly contained within the markings, excluding any flared sides.
406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other
well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom
of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active
traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide
the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with
flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each
side of the curb ramp and within the marked crossing.
406.7 Islands. Raised islands in crossings shall be cut through level with the street or have curb
ramps at both sides. Each curb ramp shall have a level area, with a slope of 1:48 maximum in
all
directions, that is 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at
the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch
(1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch
(1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves.
The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible
route
shall be permitted to overlap.
603 Toilet and Bathing Rooms
603.1 General. Toilet and bathing rooms shall comply with 603.
603.2 Clearances. Clearances shall comply with 603.2.
603.2.1 Turning Space. Turning space complying with 304 shall be provided within the
room.
603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space
shall be permitted to overlap.
603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance
required for any fixture. Doors shall be permitted to swing into the required turning
space.
EXCEPTIONS:
1. Doors to a toilet room or bathing room for a single occupant accessed only
through a private office and not for common use or public use shall be
permitted to swing into the clear floor space or clearance provided the swing of
the door can be reversed to comply with 603.2.3.
2. Where the toilet room or bathing room is for individual use and a clear floor
space complying with 305.3 is provided within the room beyond the arc of the
door swing, doors shall be permitted to swing into the clear floor space or
clearance required for any fixture. This exception shall not apply to toilet and
bathing rooms within dwelling units required to comply with 812.
603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the
bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or
ground. Mirrors not located above lavatories or countertops shall be installed with the bottom
edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.
603.4 Coat Hooks and Shelves. Coat hooks and shelves shall be located within one of the reach
ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches
(1220 mm) maximum above the finish floor.
604 Water Closets and Toilet Compartments
604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8.
EXCEPTION: Water closets and toilet compartments for children's use shall be
permitted to comply with 604.9.
604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to
one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches
(455 mm) maximum from the side wall or partition, except that the water closet shall be 17
inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in
the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be
arranged for a left-hand or right-hand approach.
604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with
604.3.
604.3.1 Size. Clearances around a water closet shall be 60 inches (1525 mm) minimum
measured perpendicular from the side wall and 56 inches (1420 mm) minimum
measured perpendicular from the rear wall.
604.3.2 Overlap. The required clearance around the water closet shall be permitted to
overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal
units, coat hooks, shelves, accessible routes, clear floor space and clearances required
at other fixtures, and the turning space. No other fixtures or obstructions shall be
located within the required water closet clearance.
EXCEPTION: In residential dwelling units required to comply with 809 and in
multi-story housing required to comply with 812, a lavatory complying with 606
shall be permitted on the rear wall 18 inches (455 mm) minimum from the water
closet centerline where the clearance at the water closet is 66 inches (1675 mm)
minimum measured perpendicular from the rear wall.
604.3.3 Changes in Level. Floor or ground surface within the required clearance shall
comply with 302. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.
604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430
mm)
minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be
sprung to return to a lifted position.
EXCEPTIONS:
1. A water closet in a toilet room for a single occupant accessed only through a private
office and not for common use or public use shall not be required to comply with
604.4.
2. In residential dwelling units required to comply with 809 or 812, the height of water
closets shall be permitted to be 15 inches (380 mm) minimum and 19 inches (485
mm) maximum above the finish floor measured to the top of the seat.
604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be
provided
on the side wall closest to the water closet and on the rear wall.
EXCEPTIONS:
1. Grab bars shall not be required to be installed in a toilet room for a single occupant
accessed only through a private office and not for common use or public use
provided that reinforcement has been installed in walls and located so as to permit
the installation of grab bars complying with 604.5.
2. In residential dwelling units required to comply with 809 and in multi-story housing
required to comply with 812, grab bars shall not be required to be installed in toilet
or bathrooms provided that reinforcement has been installed in walls and located so
as to permit the installation of grab bars complying with 604.5.
3. In detention or correction facilities, grab bars shall not be required to be installed in
housing or holding cells that are specially designed without protrusions for purposes
of suicide prevention.
604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum,
located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370
mm) minimum from the rear wall.
604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum
and extend from the centerline of the water closet 12 inches (305 mm) minimum on one
side and 24 inches (610 mm) minimum on the other side.
EXCEPTIONS:
1. The rear grab bar shall be permitted to be 24 inches (610 mm) long
minimum, centered on the water closet, where wall space does not permit a
length of 36 inches (915 mm) minimum due to the location of a recessed
fixture adjacent to the water closet.
2. Where an administrative authority requires flush controls for flush valves to
be located in a position that conflicts with the location of the rear grab bar,
then the rear grab bar shall be permitted to be split or shifted to the open
side of the toilet area.
604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush
controls shall comply with 309. Flush controls shall be located on the open side of the water
closet except in ambulatory accessible compartments complying with 604.8.2.
604.7 Dispenser. Toilet paper dispenser shall comply with 309.4 and shall be 7 inches (180
mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the
centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum
and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab
bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous
paper flow.
604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the
requirements of 604.8.1 and 604.8.3. Compartments in form. Characters shall not be italic,
oblique, script, highly decorative, or of other unusual forms
604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments
shall comply with 604.8.1.
604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525
mm) wide minimum measured



5 FOUNDATION- BEAM WALL
1/2" = 1'-0"

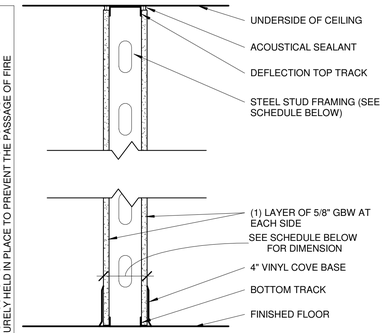


6 FOUNDATION- COLUMN PIER
1/2" = 1'-0"



2 PROPOSED ROOF PLAN
1/8" = 1'-0"

FIRE-SAFE OR PIPE SHAFTS AND DUCTS
PIPE SHAFTS AND DUCTS SHALL ENCLOSE ONE FLOOR TO ANOTHER SHALL BE ENCLOSED WITH CONSTRUCTION PROVIDING FIRE RESISTANCE OF NOT LESS THAN ONE HOUR EXCEPT THAT PIPES AND DUCTS REQUIRING OPENINGS THROUGH FLOORS NOT EXCEEDING 9 SQ.FT. IN AREA SHALL NOT REQUIRE ENCLOSURE PROVIDED THE SPACE BETWEEN THE PIPES OR DUCTS AND THE FLOOR CONSTRUCTION SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIALS SECURELY HELD IN PLACE TO PREVENT THE PASSAGE OF FIRE



TYPE	STUD SIZE	PART. THICK	KEYED NOTES
A1	3 5/8"	4 7/8"	18 GA STUDS / 9'-0" HIGH PARTITION
A2	5 1/2"	6 3/4"	18 GA STUDS / 9'-0" HIGH PARTITION/ PLUMBING WALL

A TYP. INTERIOR PARTITION
1 1/2" = 1'-0"

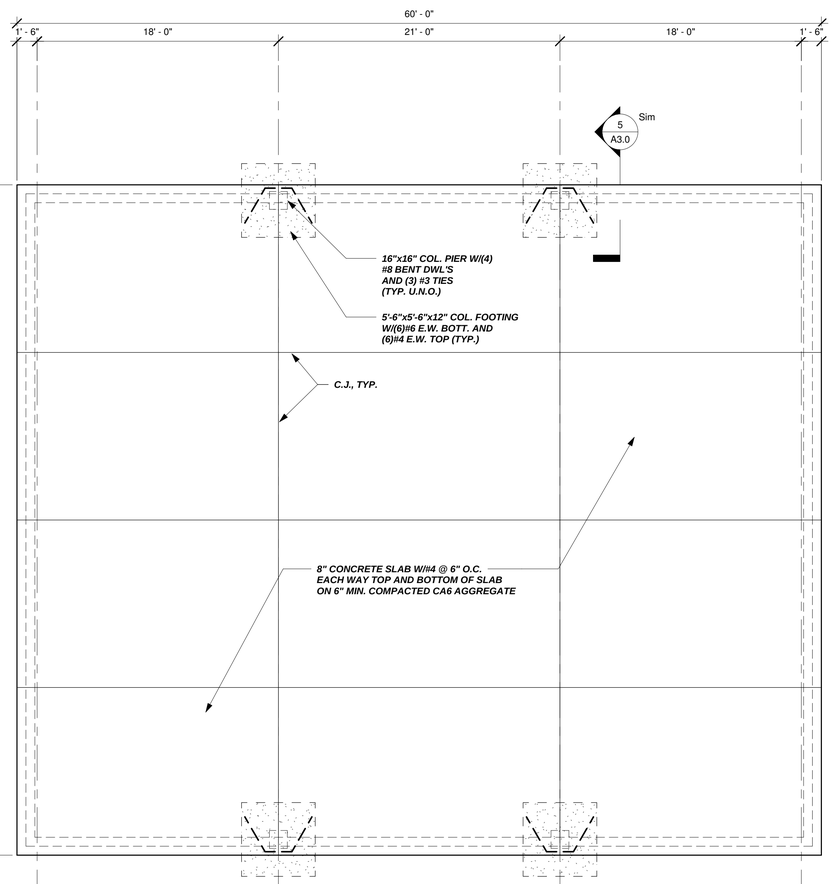
WALL AND CEILING FINISHES FLAME SPREAD CLASS TO BE MIN. TYPE "A"

DOOR SCHEDULE

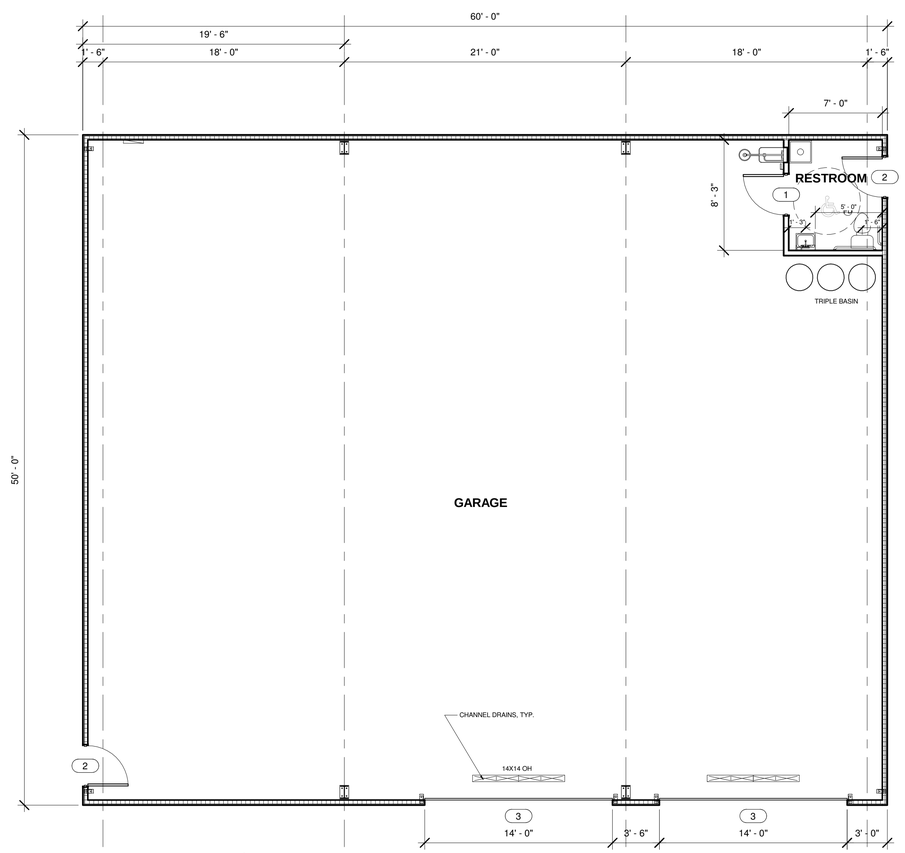
DOOR TYPE	WIDTH	HEIGHT	THK.	DESCRIPTION
1	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME-INTERIOR
2	3'-0"	7'-0"	1 3/4"	METAL INSULATED DOOR IN METAL FRAME-EXTER.
3	14'-0"	14'-0"	1 3/4"	METAL INSULATED O.H. DOOR

- PROVIDE SELF CLOSERS AT RESTROOMS & EXTERIOR DOORS.
- DOOR LEVER HANDLES AT ALL PUBLIC DOORS

- ALL GARAGE DOORS MIN. U-VALUE 0.31
- ALL EXTERIOR SWINGING DOORS MIN. U-VALUE 0.37



4 PROPOSED FOUNDATION PLAN
3/16" = 1'-0"



1 GRADE - PROPOSED FLOOR PLAN
3/16" = 1'-0"

ISSUE DATES

DATE	DESCRIPTION

PROPLAN ARCHITECTS,PC
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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

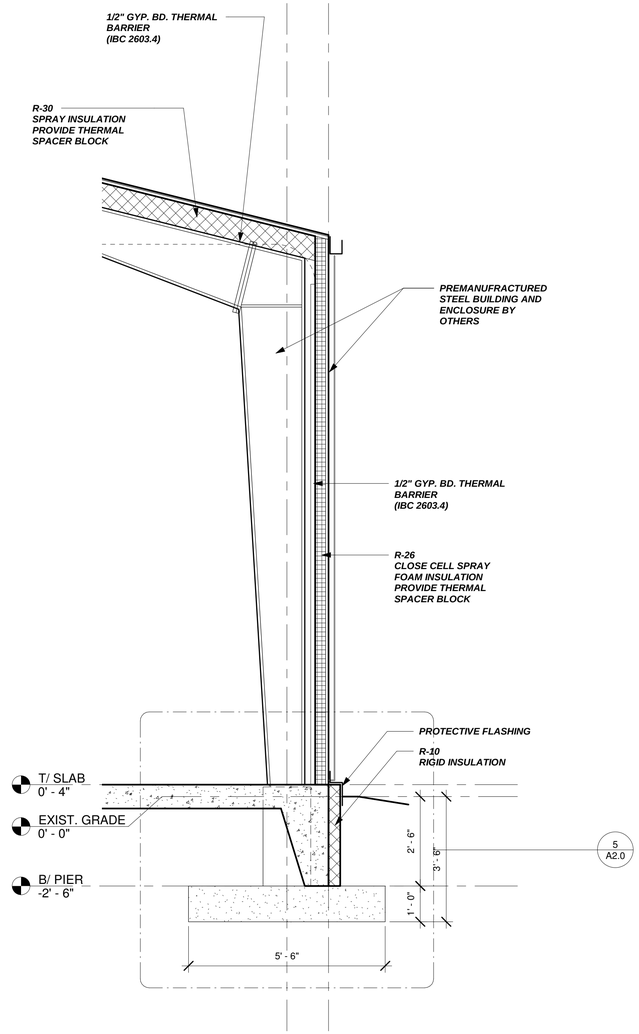
JOB NO	19-3
DRAWN BY: A.J.	
CHECKED BY:	A.K.

DRAWING
PLANS

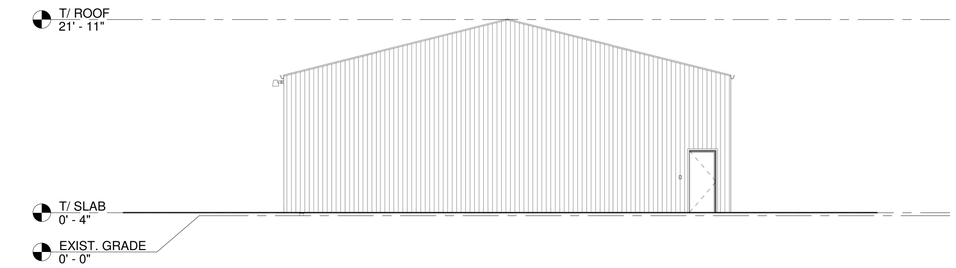
SHEET
A2.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

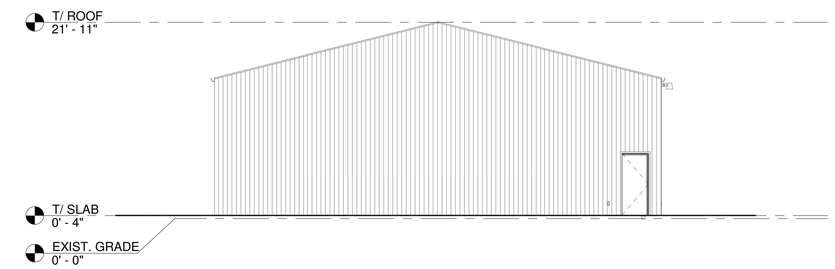
5/6/24



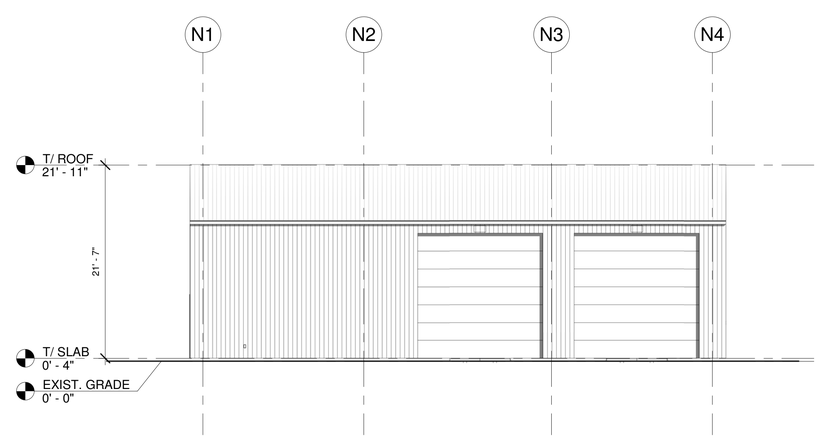
5 TYP. WALL SECTION
1/2" = 1'-0"



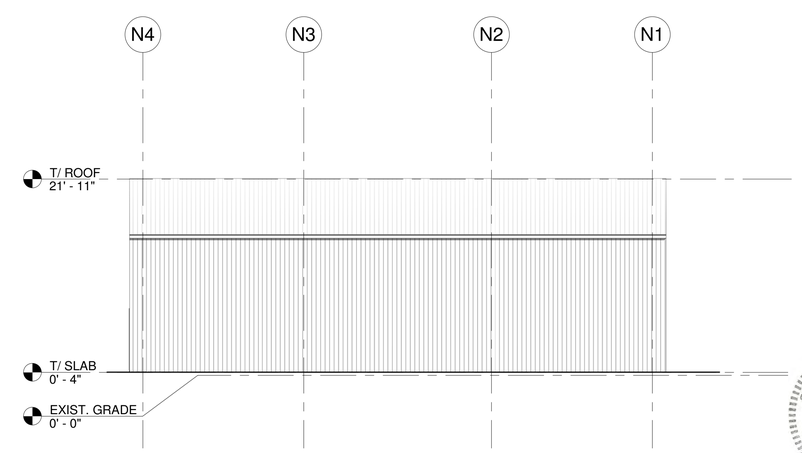
4 PROPOSED EAST ELEVATION
1/8" = 1'-0"



3 PROPOSED WEST ELEVATION
1/8" = 1'-0"



1 PROPOSED SOUTH ELEVATION
1/8" = 1'-0"



2 PROPOSED NORTH ELEVATION
1/8" = 1'-0"

ISSUE DATES

DATE	DESCRIPTION

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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	19-3
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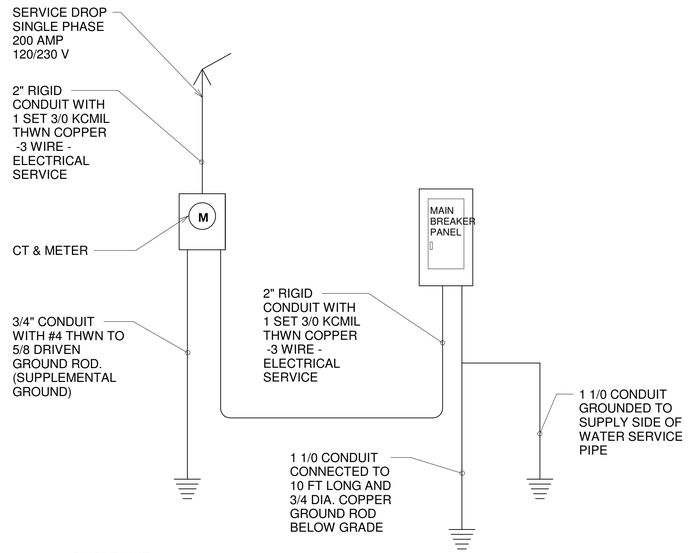
CHECKED BY:	A.K.

DRAWING ELEVATIONS

SHEET
A3.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24



SINGLE LINE DIAGRAM
SCALE: N.T.S.

PUBLIC PANEL

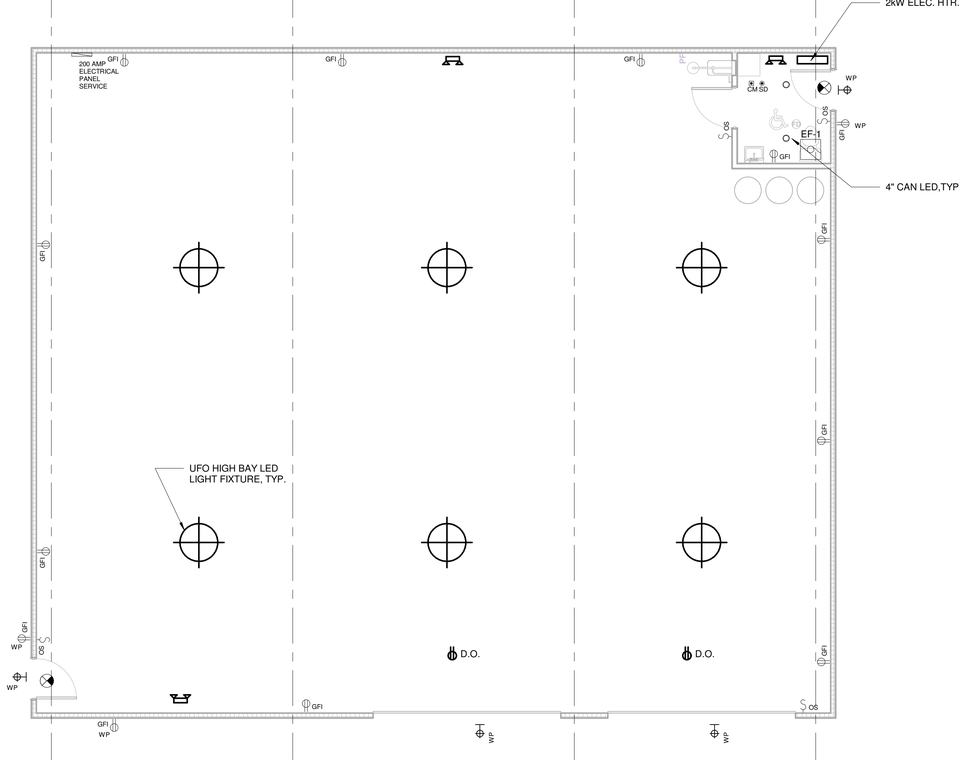
MAIN BRAKER W/ DISCONNECT

200 AMP

1	S.D & C.M.	15	20	GARAGE MAKE UP AIR	2
3	EM. LIGHTS	15	20		4
5		20	20		6
7		20	20		8
9		20	20	GARAGE DOOR OPENER	20
11	EXHAUST FAN GARAGE	20	20	GARAGE DOOR OPENER	12
13	RESTROOM	20	20		14
15		20	20		16
17		20	20	OUTLETS - EXTERIOR	18
19	GARAGE OUTLETS	20	20	LIGTHS - EXTERIOR	20
21	GARAGE LIGHTS	20			22
23	GARAGE LIGHTS	20			24
25	BATTERY BACKUP DET.	15			26
27					28
29					30
31	ELEC. HTR.	20			32
33					34
35					36
37					38
39					40
41					42

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	ELECTRICAL PANEL
S	SINGLE POLE SWITCH
OS S	OCCUPANCY SENSOR
3 S	3 WAY SWITCH
	110 V SINGLE OUTLET
	110 V DUPLEX OUTLET
GFI	110 V GROUND FAULT INTERRUPTER OUTLET
AFCI	110 V ARC FAULT CIRCUT INTERRUPTER OUTLET
TV	TV CABLE
D	DATA
	CARBON MONOXIDE DETECTOR (HARD WIRE)
	SMOKE DETECTOR (HARD WIRED)
	RECESSED CAN LIGHT
	CEILING MOUNT LIGHT FIXTURE
	LINEAR LIGHT
	LED STRIP/ROPE LIGHT
	EMERGENCY LIGHT
	EXIST SIGN
	EXHAUST FAN



1 GRADE - ELECTRICAL FLOOR PLAN
3/16" = 1'-0"

0 4' 8' 16'

ISSUE DATES

DATE	DESCRIPTION

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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

JOB NO	19-3
DRAWN BY: A.J.	
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DRAWING
ELECTRICAL PLANS

SHEET
E1.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

LIGHT & VENT SCHEDULE																HEAT DATA		
ORDINACE REQUIREMENTS													ACTUAL PROVIDED					
ROOM DESCRIPTION		NATURAL LIGHT & VENT (SF)		MECHANICAL VENTILATION (CFM)									NATURAL LIGHT & VENTILATION (SF)		MECHANICAL VENTILATION (CFM)			
ROOM NO.	ROOM NAME	FLOOR AREA (SF)	GLASS AREA	VENT AREA	OCCUPANCY (Pz)	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (RP) (CFM/ PERSON)	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE (RA) (CFM/FT SQ)	EXHAUST AIRFLOW RATE CFM/FT SQ.	GLASS AREA	VENT AREA	SUPPLY AIR	EXHAUST AIR FROM ROOM	HEAT LOSS FACTOR	ACTUAL BTU/HEAT LOSS	ACTUAL CFM
					#	CFM	CFM	CFM							
														0.0	
GARAGE		2854	N/R					0.75	2140.5	N/R	N/R		N/R	42810.0	
														0.0	
RESTROOM		57	N/R	N/R	-	1.0	5	-	-	-	70/T	140	N/R	N/R	80	900.0	

LOAD VALUES ASSIGNED TO FIXTURES

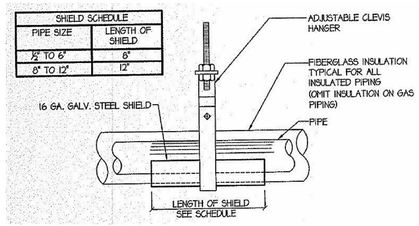
FIXTURE	QTY.	OCCUPANCY	TYPE OF SUPPLY CONTROL	LOAD VALUES IN WATE (SUPPLY FIXTURE UNITS)			FIXTURES LOAD
				COLD	HOT	TOTAL	
Urinal	0	PUBLIC	FLUSH VALVE	5	-	5	0
WATER CLOSET	0	PUBLIC/ PRIVATE	FLUSH VALVE	10	-	10	0
LAVLATORY	1	PUBLIC	FAUCET	1	1	2	2
BATHTUB	0	PRIVATE	FAUCET	1.5	1.5	2	0
SHOWER STALL	0	PRIVATE	MIXING VALVE	1	1	2	0
KITCHEN SINK	0	COMM.	FAUCET	1.5	1.5	2	0
DISHWASHER	0	COMM.	AUTOMATIC	0	2	2	0
PREP SINK	0	COMM.	FAUCET	1.5	1.5	2	0
SERVICE SINK	1	PUBLIC	FAUCET	2	2	3	3
HAND SINK	0	PUBLIC		1	1	2	0
WATER CLOSET	1	PUBLIC/ PRIVATE	TANK	3	-	3	3
LAUNDRY MACHINE 16LB	0	PRIVATE/GENERAL	AUTOMATIC	3	3	4	0
SILL COCK	1	PRIVATE/GENERAL	FAUCET	2	-	2	2
						TOTAL LOAD	10

NOTE: FOR FIXTURES NOT LISTED, LOADS SHALL BE ASSUMED BY COMPARING THE FIXTURES TO ONE LISTED USING WATER IN SIMILAR QUANTITIES AND AT SIMILAR RATES. THE ASIGNED LOADS FOR BOTH COLD AND HOT WATER SUPPLIES ARE GIVEN FOR SEPARATE COLD AND HOT WATER LOADS AND FOR TOTAL LOAD.

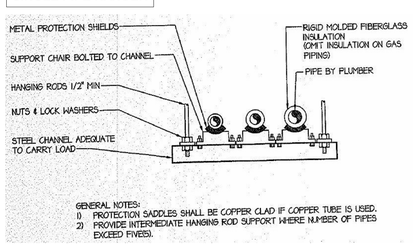
W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
2	1/2"	5/8"
4	1/2"	5/8"
6	1/2"	5/8"
8	3/4"	5/8"
10	3/4"	3/4"
12	3/4"	3/4"
14	3/4"	3/4"
16	3/4"	3/4"
20	1"	3/4"
25	1"	3/4"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
30	1"	1"
35	1 1/4"	1"
40	1 1/4"	1"
45	1 1/4"	1"
50	1 1/4"	1"
60	1 1/2"	1 1/2"
70	1 1/2"	1 1/2"
80	1 1/2"	1 1/2"
90	1 1/2"	1 1/2"
100	1 1/2"	2"

W.S.F.U.	PIPE SIZE (INCHES)	METER SIZE (INCHES)
120	2"	2"
140	2"	2"
160	2"	2"
180	2"	2"
200	2"	2"
225	2"	2"
250	2"	3"
275	2 1/2"	3"
300	2 1/2"	3"
350	2 1/2"	3"
400	2 1/2"	3"
450	2 1/2"	3"



SINGLE PIPE HANGER



TRAPEZE HANGER

Section 890.910 Hangers, Anchors and Supports

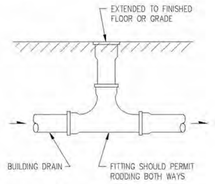
a) General. Hangers, anchors and supports shall be of material and strength to support the piping and its contents and maintain its proper alignment. Hangers, anchors and supports shall be securely attached to the building construction at sufficient intervals to support the piping and its contents. Provisions shall be made to allow for expansion, contraction, structural settlement and vibrations. Installation shall be in accordance with manufacturers' directions if more stringent than this Part.

b) Material. Hangers, anchors and supports shall be of metal or other material strong enough to support the piping when full. Piers may be of concrete, brick or other approved materials.

Section 890.APPENDIX D Illustrations for Subpart D

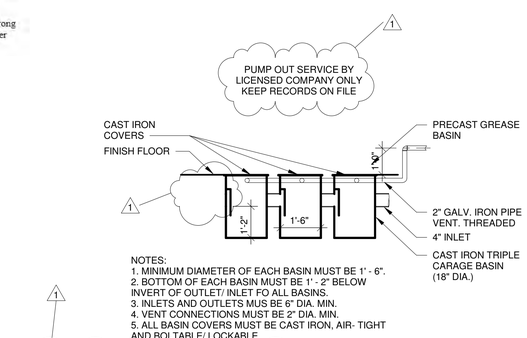
Section 890.ILLUSTRATION F Underground Drainage

(Referenced in Section 890.420(c))



(Source: Amended at 38 Ill. Reg. 9940, effective April 24, 2014)

CLEANOUT DETAIL



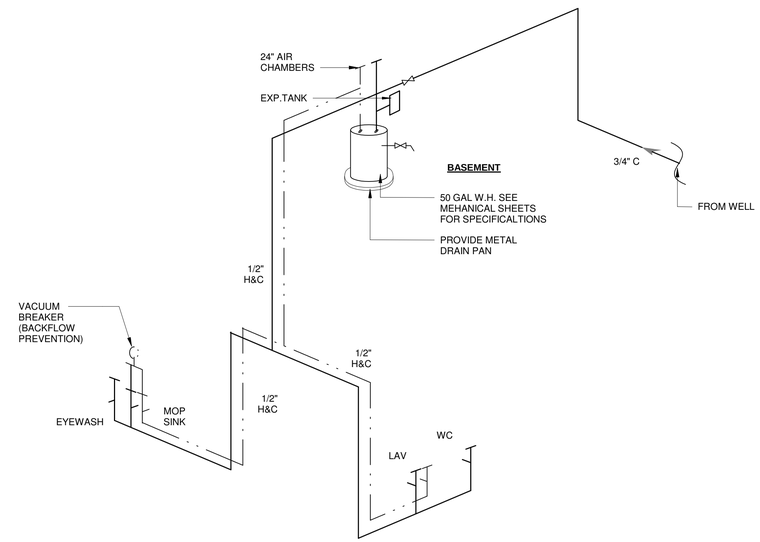
DETAIL - TRIPLE BASIN HOLDING TANK

PLUMBING FIXTURE SCHEDULE

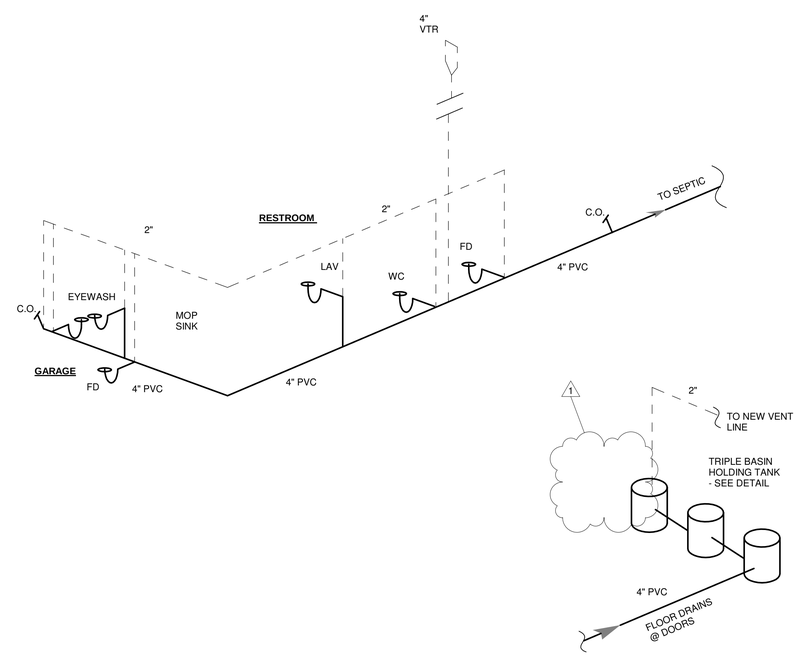
KEY	FIXTURE	QTY.	DESCRIPTION	REMARKS
PL-1	EYEWASH	1	Guardian G1902P	14.5" x 18" STAINLESS STEEL
PL-2	FLOOR MOP SINK	1	ELKAY, FLR-1X	20" x 24" STAINLESS STEEL
PL-3	WATER CLOSET	2	AMERICAN STANDARD, MADERA 2858.016	CERAMIC, FLOOR MOUNT
PL-4	LAVATORY	2	AMERICAN STANDARD, LUCERNE 0356.041	CERAMIC, WALL-HUNG
PL-5	WATER HEATER	1	SEE MECH. PLANS	
FD	FLOOR DRAIN	1	WADE NO. W-1100 WITH STANDARD POLISHED NICKEL BRASS STRAINER	

*** PROVIDE HOT WATER SUPPLY PIPE WITH CONSTRUCTED SWING JOINT**

NOTE: ALL FIXTURES CAN BE SUBSTITUTED WITH EQUIVALENT PRODUCTS



WATER SUPPLY DIAGRAM



WASTE DIAGRAM

PLUMBING NOTES:

1. ALL PLUMBING WORK MUST BE PERFORMED BY LICENSED CONTRACTOR AS REQUIRED BY COOK COUNTY AND COOK COUNTY PLUMBING CODE.

2. PLUMBING CONTRACTOR SHALL OBTAIN ALL REQUIRED BONDS AND PAY ALL FEES AND TAXES FOR NECESSARY PLUMBING PERMITS.

3. FURNISH AND INSTALL COMPLETE DRAIN AND SEWER SYSTEM. SEWER AND DRAINPIPES SHALL BE **SCH.40 PVC** SOIL PIPE.

4. FURNISH AND INSTALL SOIL, WASTE AND VENT PIPES AS REQUIRED. ALL ABOVE GROUND SOIL STACKS, WASTE STACKS, VENT PIPES AND FITTINGS TO BE **SCH.40 PVC.**

5. ALL TRAPS SHALL BE SELF-CLEANING.

6. FURNISH AND INSTALL COMPLETE AND OPERABLE SYSTEM OF COLD AND HOT WATER TO EACH AND EVERY PLUMBING FIXTURE, APPLIANCE OR MECHANICAL EQUIPMENT REQUIRING WATER. INSTALL AS REQUIRED BY CODE PIPEFITTING, VALVES AIR C CHAMBERS DI-ELECTRIC UNIONS HANGERS, ETC. INSTALL ALL PLUMBING FIXTURES, COMPLETE WITH TRAPS, STOPS, HANGERS AND ALL RELATED ITEMS AS REQUIRED.

7. INSULATE ALL HOT AND COLD WATER PIPING NOT IN PLUMBING CHASE WITH 1/2" FIBERGLASS INSULATION. ALL PIPING IN EXTERIOR WALLS OR IN SUSPENDED, UNHEATED SPACES SHALL HAVE 1" MIN. THICK INSULATION.

8. DOMESTIC HOT AND COLD WATER PIPING ABOVE THE GRADE SHALL BE TYPE "L" COPPER. (TYPE "K" UNDERGROUND) INSTALL DI-ELECTRIC UNIONS AT DISSIMILAR MATERIALS.

9. PROVIDE:
   A. 24" AIR CHAMBER AT ALL RISER MAINS.
   B. 12" AIR CHAMBER AT ALL PLUMBING FIXTURES.
   C. SHUT OFF VALVES AT ALL PLUMBING FIXTURES AND RISERS.
   D. NON-FREEZE SILL COCKS - VACUUM BREAKER TYPE 2.

10. ROOF VENTS SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF.

11. THE PLUMBER UNDER EITHER A WATER OR AIR PRESSURE METHOD SHALL TEST THE ENTIRE PLUMBING SYSTEM.

12. THE PLUMBING CONTRACTOR SHALL DISINFECT THE ENTIRE WATER SERVICE SUPPLY SYSTEM BEFORE SYSTEM OPERATION.

13. THE DRAIN AND SEWER SHALL BE ROOT PROOF AND WATER TIGHT AND TESTED WITH A MIN. TEN (10) FOOT WATER COLUMN.

14. FURNISH AND INSTALL GAS PIPING WITH SHUTOFF COCKS AT EACH AND EVERY APPLIANCE REQUIRING GAS, INCLUDING FURNACE, WATER HEATERS, ETC. PIPING SHALL BE SCHEDULE 40 BLACK STEEL, "GRADE A" FITTINGS SHALL BE STANDARD WEIGHT, BLACK MALLEABLE IRON OR CAST IRON SCREENED AND RATED AT 150 PSI.

15. PROVIDE WATER MIXING DEVICE AT HAND-HELD SPRAY

ALL W.H. W/ ASME APPROVED T & P VALVE RUN RELIEF AND DRAIN PIPING TO FLOOR DRAIN.

INSTALL METAL DRAIN PAN UNDER WATER HEATER

INSTALL PRESSURE RELIEF VALVES ON THE HIGH PRESSURE SIDE OF THE SYSTEM, UPSTREAM OF ANY INTERVENING VALVES

ALL PLUMBING LINES LOCATED IN UNCONDITION SPACE SUCH AS CRAWL SPACE AND EXTERIOR WALLS TO BE PROPERLY INSULATED

CONTRACTOR TO V.I.F. THE ELEVATION OF THE SANITARY AND KITCHEN WASTE IS 12" ABOVE THE CITY SEVER LEVEL

TUB AND SHOWER TEMPERATURE NOT TO EXCEED 115°F

PROVIDE BACK FLOW PREVENTION DEVICE ON ALL HAND HELD SPRAY AND TUBS

LEGEND

SYMBOL	DESCRIPTION
———	WASTE LINE
- - - - - - - -	2" DIA VENT LINE
———	COLD WATER
—— · · —— · · ——	HOT WATER

ISSUE DATES

DATE	DESCRIPTION

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PROPOSED ONE STORY MTL STORAGE BUILDING

15N803 Old Sutton Rd Barrington, IL 60010

JOB NO 19-3
DRAWN BY: A.J.
CHECKED BY: A.K.

DRAWING
PLUMBING DIAGRAMS SCHEDULES AND NOTES

SHEET
P1.0

STATE OF ILLINOIS
ANDRZEJ KACPRZYNSKI
001.021686
LICENSED ARCHITECT

5/6/24

F

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (MAY 2022) AND CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (APRIL 2025)

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

Faegre Drinker Biddle & Reath, LLP

PROJECT #: JW0818.250

PREPARED FOR:
15N803 Old Sutton Road
Barrington Hills, Illinois

ISSUE DATE:
May 2022

August Mack
ENVIRONMENTAL

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JW0818.250

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CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JW0818.250

INTRODUCTION

It should be noted that this SWPPP has been completed in accordance with the requirements outlined in the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 for Stormwater Discharges for Construction Site Activities. The plan complies with all federal, state, and local regulations pertaining to this construction project.

SITE DESCRIPTION

The property is located at 15N803 Old Sutton Road in Barrington Hills, Illinois which consists of approximately 4.26 acres in unincorporated Cook County. The property consisted of a residential dwelling along the western portion and a compacted asphalt storage pad and driveway along the southern and central portions of the property. The site is bordered by vegetation from wooded areas to the north, a railway to the west, as well as nearby residential properties to the south and east. The property coordinates are 42° 5′ 36.33″ N latitude and 88° 11′39.09″ W longitude. There is a single-entry point for all vehicles along Old Sutton Road. The property owner will be building a shed on the property as a homeowner-contractor.

Stormwater will exit the site via sheet flow to the south. The southern end of the property has a slight elevation which causes storm water to flow back inwards. For the water that leaves the property it will flow to the east towards the drainage ditch along the railroad track. From there, the water will enter a culvert that ultimately discharges to Spring Creek. Spring Creek is located approximately a quarter of a mile south of the site.

The location is depicted on the vicinity map provided as Figure 1 of Appendix A. It contains the following:

- Surface Waters
- Stormwater Discharge Location on Surface Waters
- Receiving Waters
- Ultimate Receiving Waters
- Wetlands

Construction Description

The site will have a building added to it as well as increased asphalt area. The estimated duration of construction is six to eight weeks and will include the disturbance of approximately 1 acre of soil. The intended sequence of activities (related to soil disturbance) to occur is as follows:

1. Silt Fence Installation
2. Excavation of Existing Topsoil
3. Existing Topsoil Stockpiled Offsite
4. Addition of Compacted Asphalt

The site plan with the existing site conditions and intended construction activities is provided as Figure 2 of Appendix A. It contains the following:

- Stormwater Flow
- Vehicle Entrance and Exit
- Controls to Prevent Offsite Sediment Tracking
- Structural and Nonstructural Controls
- Silt Fence Locations

No grading activities will occur during construction. Slopes are anticipated to remain the same as prior to construction. No soil stockpiling or material storage will occur on-site during construction.

The primary soil found in the area of disturbance is Markham silt loam. The soils map provided as Figure 3 of Appendix A contains the following:

- Soil Types
- Slope Percentages
- Areas of Soil Disturbance

Soil information for the location was obtained from the Natural Resources Conservation Service (NRCS) United States Department of Agriculture (USDA) database. The Markham series consists of very deep, moderately well drained soils on Wisconsin till plains. They formed in a thin layer of loess or silty material and in the underlying silty clay loam till. Slopes range from 0 to 20 percent. The potential for surface runoff ranges from low to high. Permeability is slow. To limit erosion of soil, best management practices (BMPs) will be implemented.

CONTROLS

Erosion and Sediment Controls

Vehicles that exit the site will go through the Truck Clean Off/Inspection Area. This practice will minimize sediment track-out and the generation of dust with the application of water. If an excess amount of sediment accumulates on the public road, the project site manager will designate someone to sweep the roads.

The excavation of existing topsoil will be constrained to a limited area of approximately 1 acre. Only the required roadways onsite will be affected. Topsoil outside of the property will be not disturbed.

Stabilization Practices

Existing vegetation in the surrounding property (wooded areas) will not be disturbed. Grasses that exist along the property line will be reseeded, providing a non-erosive cover

which will minimize erosion and the generation of sediment. Straw bales will be placed appropriately on-site. The site has limited slopes and elevations, which slows down the velocity of runoff. The property will release runoff to the southeast corner of the site.

Structural Practices

Silt fencing will be installed along the north and east boundary of the property, where stormwater flow is directed. The silt fence location is depicted in Figure 2 of Appendix A. It will be inserted along the property on the north side of the property from the fence line to the eastern portion of the silt fence. The eastern portion of the silt fence will be on the west side of the tree line running along the railroad tracks. Below are some general instructions regarding silt fencing installation:

- Silt fencing should be set up according to the terrain, soil and run-off condensation.
- Silt fencing should be installed perpendicular to the slop of the land, curing the fence inward towards the slope.
- Silt fence should be spaced away from the toe-of-slope, leaving enough room to accumulate sediment and to perform work.
- Fabric should be run continuously inside the stakes and secured with nails, staples or zip ties while allowing at least 1 foot to line the trench.
- Maintain the fence by checking the fabric for damage, failure of fence to withhold sediment, and damage to posts. Install additional back-up silt fence, if needed.
- Remove built-up sediment from silt fence.

Spill Prevention and Cleanup

Best Management Practices (BMPs) are in place to minimize the potential for contamination of runoff from pollutants located at the construction site. Potential pollutants include gasoline, hydraulic oil, transmission oil, antifreeze/coolant, diesel fuel, motor oil, greases, and/or construction products.

On-site personnel will have access to the necessary spill cleanup and containment equipment, such as: oil absorbent materials, brooms, shovels, rakes and containers to properly handle and dispose of any generated wastes.

Good housekeeping for storage and use of significant materials will help minimize the potential for spills to occur at this construction site. Good housekeeping practices that are appropriate for the site include:

- Materials handled and stored in tightly sealed, labeled containers;
- Containers stacked in a neat and orderly manner;
- An adequate supply of cleanup materials is consistently maintained on-site;
- Spill sources are located and repaired; and,
- Spills are cleaned immediately.

Endangered Species Protection

The EcoCAT Ecological Compliance Assessment Tool was used regarding the effects of construction on surrounding species and wildlife. EcoCAT identified Black-Billed Cuckoo (Coccyzus erythropthalmus), Common Moorhen (Gallinula chloropus), Osprey (Pandion haliaetus) in the project vicinity.

Black-Billed Cuckoo (Coccyzus erythropthalmus)

Black-billed Cuckoo birds are plain brown above without cinnamon tones and white below with a red ring around the eye and a black bill. Black-billed Cuckoos tend to live in forest, woodlands, and scrub. The Cuckoo is small and difficult to see.

Common Moorhen (Gallinula chloropus)

Common Gallinules are mostly charcoal gray birds with a white stripe down their sides and white outer tail feathers. Adults have a bright red shield on their forehead and a red bill tipped in yellow. This bird typically resides in freshwater

or brackish marshes, ponds, and lakes with a mix of submerged, floating, and emergent vegetation and open water. They also forage in smaller ditches, canals, and rice fields.

Osprey (Pandion haliaetus)

The osprey, also called sea hawk, river hawk, and fish hawk, is a fish-eating bird of prey with a cosmopolitan range. It is a large raptor reaching more than 60 cm in length and 180 cm across the wings. It is brown on the upperparts and predominantly greyish on the head and underparts. The osprey is a large bird that builds it nest near water with abundant fish.

All on-site personnel will be educated about these species and will be instructed to contact the Department immediately if they are encountered in the project area. Personnel will complete the daily inspection form provided in Appendix B. Fliers with photos of the birds and life-history information, will be distributed to personnel. The flier will contain contact information for the Department (217.785.5500). State-listed species will not be handled without the appropriate permits pursuant to the Illinois Endangered Species Protection Act. The correspondence from IDNR is provided in Appendix C.

Historic Preservation

This site is not in a location that contains historic preservation areas.

Use of Treatment Chemicals

No polymer flocculants or treatment chemicals will be utilized on-site.

Best Management Practices for Impaired Waters

No receiving waters from the project site are listed under Section 303(d) of the federal Clean Water Act and the Water Quality Planning and Management regulation for suspended solids, turbidity, or siltation.

Waste Disposal

All waste materials will be collected and stored in secure, lidded, metal dumpsters supplied by the local licensed solid waste management company near the construction location. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed. No construction waste materials will be buried on-site. All personnel will be instructed on the correct procedure for waste disposal.

Sanitary/Septic Disposal

An existing structure onsite contains facilities that properly dispose of sanitary/septic wastes.

MAINTANENCE

Maintenance on all control measures and issues identified during inspections will be performed as necessary. It is the responsibility of the project site manager or his designee to determine when maintenance procedures are needed and verify that the maintenance is performed adequately. Maintenance procedures will be completed within 24 hours from the time that they are noted on the inspection reports. It is the responsibility of the project site manager or his designee to inspect the performance of the procedure and revise as necessary.

The SWPPP will be amended when there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to the waters of the state that was not previously addressed in the SWPPP. It will also be amended when inspections by site, local, state, or federal officials indicate that the SWPPP is not effective in eliminating or minimizing pollutants from the construction site or otherwise achieving the general objectives of controlling pollutants in the storm water discharges that are associated with construction activity.

INSPECTIONS

Endangered Species Protection Inspections

During excavation of topsoil, onsite personnel will perform daily inspections to locate trapped wildlife. If wildlife is found, personnel will follow instructions located on the distributed flier, or contact IDNR for further instructions. The daily inspection form can be found in Appendix B.

Control Inspections

All control measures will be inspected weekly and following any storm event of 0.5 inches or greater. Control measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report. Silt fencing will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground. Reseeded grasses will be inspected for bare spots, washouts, and healthy growth.

All equipment will be inspected for leaks. Identified leaks will be repaired as soon as possible, and fluid leaks will be properly cleaned up and disposed of immediately upon discovery. Drip pans will be placed under equipment that is found leaking and cannot be immediately repaired.

A weekly inspection report will be documented. The weekly inspection report is provided in Appendix D. Completed reports will be made available to all local, state, and federal agencies upon request.

CORRECTIVE ACTIONS

If any of the following conditions are identified onsite, corrective action will be taken.

- A stormwater control needs repair or replacement.
- A stormwater control necessary to comply with the requirements of the general permit was never installed or was installed incorrectly.
- Discharges are causing an exceedance of applicable water quality standards.
- A prohibited discharge has occurred.

Corrective action should be completed as soon as possible and documented within 7 days in the weekly inspection report. If it is infeasible to complete the installation or repair within 7 days, the report should document why it is infeasible. Appendix E will be utilized to amend the Plan.

RECORD RETENTION

The property manager will retain copies of the SWPPP and all related reports and inspections for a period of at least 3 years. The property manager will retain copies of the SWPPP and any revisions to said SWPPP at the construction site from the date of project initiation to the date of final stabilization. Any documents referenced in the SWPPP will also be retained at the construction site. This includes the name, company, telephone number, email address, and address of the project site manager or a local contact person. The property manager will also keep the NPDES General Permit provided in Appendix F.

CONTRACTORS

All contractors and subcontractors that will implement the measures identified in the SWPPP must sign a copy of the certification statement provided in Appendix G.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for having knowledge of violations.

_____ _____

Signature Date
Mr. Rodriquez

The below mentioned individuals are responsible for the implementation of part or all of the Storm Water Pollution Prevention Plan components as well as the on-site day-to-day activities at this construction site.

_____ _____

Signature Date

_____

Title

_____ _____

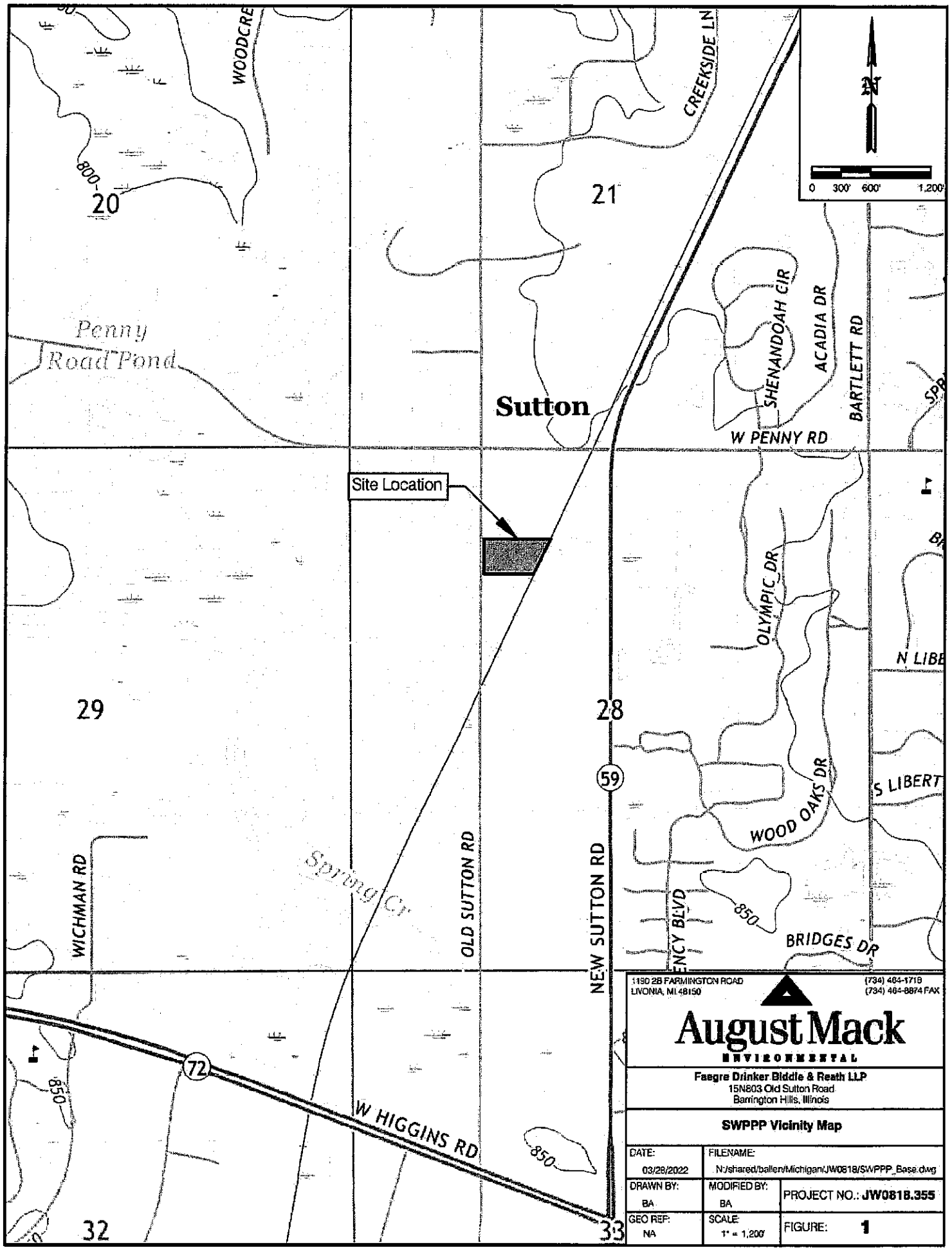
Signature Date

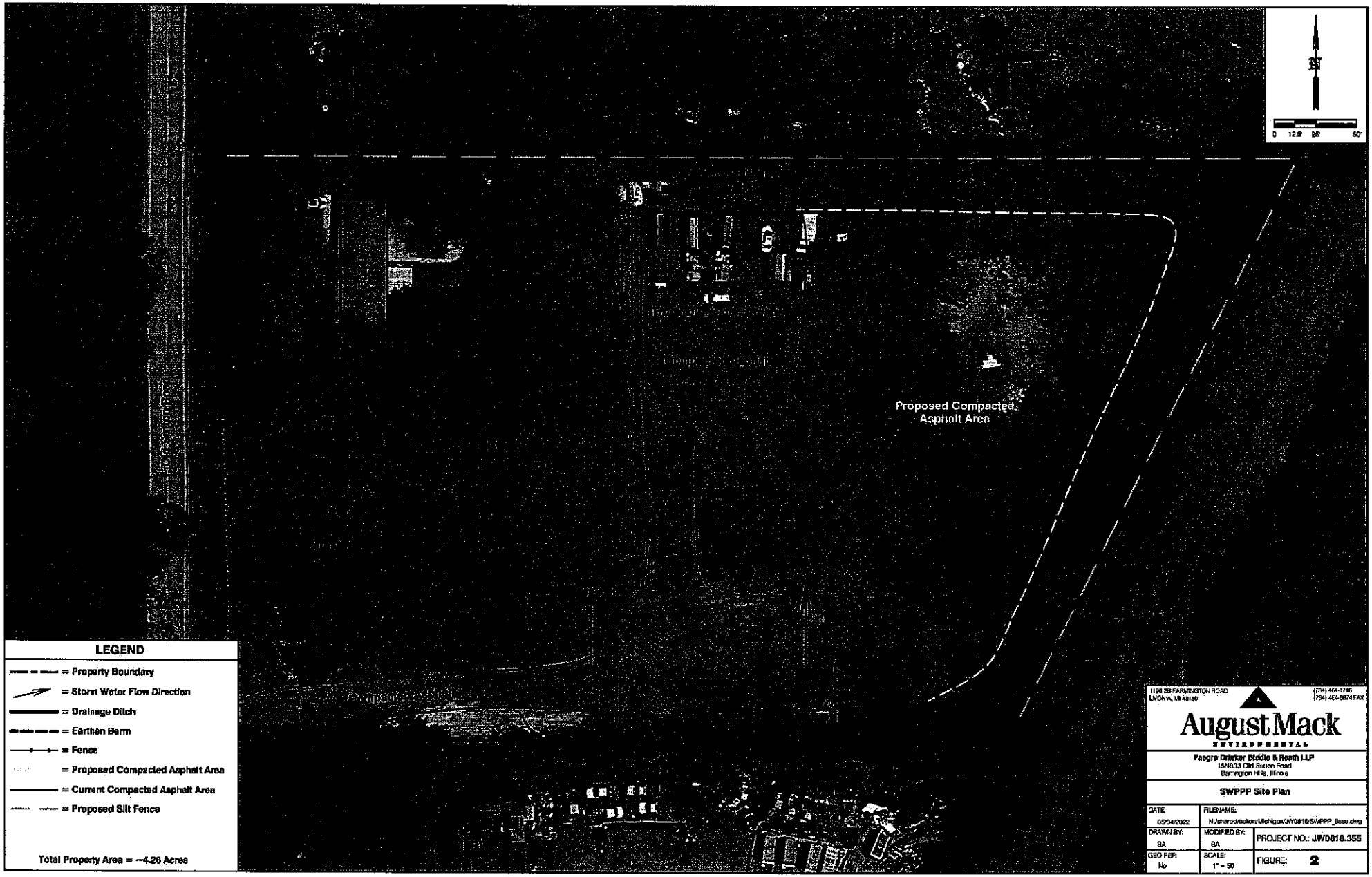
_____

Title

APPENDIX A

Figures


WOODCRE
CREEKSIDE LN
20
21
800
Penny
Road Pond
Sutton
SHENANDOAH CIR
ACADIA DR
BARTLETT RD
W PENNY RD
Site Location
OLYMPIC DR
N LIBE
29
28
59
S LIBERT
WOOD OAKS DR
WICHMAN RD
Spring Cr
OLD SUTTON RD
NEW SUTTON RD
ENCY BLVD
850
BRIDGES DR
72
W HIGGINS RD
32
33
0 300' 600' 1,200'
1190 2B FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1719
(734) 464-8874 FAX
August Mack
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
15N803 Old Sutton Road
Barrington Hills, Illinois
SWPPP Vicinity Map
DATE: 03/28/2022
FILENAME: N:/shared/ballen/Michigan/JW0818/SWPPP_Base.dwg
DRAWN BY: BA
MODIFIED BY: BA
PROJECT NO.: JW0818.355
GEO REF: NA
SCALE: 1" = 1,200'
FIGURE: 1



LEGEND

- = Property Boundary
- = Storm Water Flow Direction
- = Drainage Ditch
- = Earthen Berm
- = Fence
- = Proposed Compacted Asphalt Area
- = Current Compacted Asphalt Area
- = Proposed Silt Fence

Total Property Area = ~4.26 Acres

1199 BB FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1718
(734) 464-5874 FAX

AugustMack
ENVIRONMENTAL

Faegre Drinker Biddle & Reath LLP
15N003 Old Sutton Road
Barrington Hills, Illinois

SWPPP Site Plan

DATE: 05/04/2022	FILENAME: N:\shared\sales\Michigan\JW0818\SWPPP_Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO.: JW0818.355
GEO REF: No	SCALE: 1" = 50'	FIGURE: 2

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
293A	Andres silt loam, 0 to 2 percent slopes	0.2	3.2%
531B	Markham silt loam, 2 to 4 percent slopes	4.5	96.8%
Totals for Area of Interest		4.7	100.0%

1190 2B FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1716
(734) 464-8874 FAX

August Mack
ENVIRONMENTAL

Faegre Drinker Biddle & Reath LLP
15N803 Old Sutton Road
Barrington Hills, Illinois

SWPPP Soils Map

DATE: 03/26/2022	FILENAME: N:/shared/ballen/Michigan/JW0818/SWPPP_Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO.: **JW0818.355**
GEO REF: NA	SCALE: Approx. 1" = 80'	FIGURE: **3**

APPENDIX B

Endangered Species Protection Daily Inspection Form

Date: _____

	YES	NO
Excavation Area Inspected for Trapped Wildlife	☐	☐
Trapped Wildlife Encountered	☐	☐
If YES, was the Illinois Department of Natural Resources (IDNR) contacted?	☐	☐

If YES, explain further instructions from IDNR.

_____

_____

Signature (Person Conducting Inspection): _____

APPENDIX C

EcoCat Resource Review Results

EcoCAT
Ecological Compliance Assessment Tool

Applicant:	Tessah Chappelow	*IDNR Project Number:*	2211559
Contact:	Tessah Chappelow	*Date:*	04/04/2022
Address:	1302 N Meridian Suite 300 Indianapolis, IN 46202		

Project: 15N803 Old Sutton Road
Address: 15N803 Old Sutton Road, Barrington Hills

Description: Project will consist of adding a barn and additional asphalt to the site

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Black-Billed Cuckoo *(Coccyzus erythropthalmus)*
Common Moorhen *(Gallinula chloropus)*
Osprey *(Pandion haliaetus)*

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Cook

Township, Range, Section:
42N, 9E, 28

IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

EcoCAT Receipt

Project Code 2211559

APPLICANT	DATE
Tessah Chappelow Tessah Chappelow 1302 N Meridian Suite 300 Indianapolis, IN 46202	4/4/2022

DESCRIPTION	FEE	CONVENIENCE FEE	TOTAL PAID
EcoCAT Consultation	$ 25.00	$ 1.00	$ 26.00

TOTAL PAID $ 26.00

Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
217-785-5500
dnr.ecocat@illinois.gov

APPENDIX D

Weekly Inspection Report

Date: _____

Days since last rainfall: _____

Amount of last rainfall _____ inches

Controls in place (please list all controls that are currently in place at the site):

_____

_____

Maintenance Required for Controls (please list necessary maintenance)?

_____

_____

Erosion Present (please indicate location)?

_____

_____

Maintenance Work Completed (please list what was done, by whom, and the date completed):

_____

_____

Is plan still accurate?

_____

Signature (Person Conducting Inspection): _____

APPENDIX E

Plan Amendments Form

Please indicate any amendments that are made to the original Storm Water Pollution Prevention Plan on this page.

Date	Changes Made to the Plan	Page(s)	Initials

APPENDIX F

NPDES General Permit No. ILR10

General NPDES Permit No. ILR10

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
www.epa.state.il.us

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

General NPDES Permit
For
Storm Water Discharges From Construction Site Activities

Expiration Date: July 31, 2023

Issue Date: August 3, 2018

Effective Date: August 3, 2018

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.

Amy L. Dragovich, P.E.
Manager, Permit Section
Division of Water Pollution Control

Part I. COVERAGE UNDER THIS PERMIT

A. **Permit Area.** The permit covers all areas of the State of Illinois with discharges to any Waters of the United States.

B. **Eligibility.**

1. This permit shall authorize all discharges of storm water associated with industrial activity from a construction site that will result in the disturbance of one or more acres total land area or a construction site less than one acre of total land that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area. This permit may authorize discharges from other construction site activities that have been designated by the Agency as having the potential to adversely affect the water quality of waters of the state. This permit also authorizes discharges from construction sites previously approved by the Agency under the previous version of ILR10 that are still occurring after the effective date of this permit, except for discharges identified under Part I.B.3 (Limitations on Coverage). Where discharges from construction sites were initially covered under the previous version of the ILR10, the Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

2. This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

   a. the industrial source other than construction is located on the same site as the construction activity;

   b. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

   c. storm water discharges associated with industrial activity from the areas of the site where industrial activities other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or an individual permit authorizing such discharges.

3. **Limitations on Coverage.** The following storm water discharges from construction sites are not authorized by this permit:

   a. storm water discharges associated with industrial activities that originate from the site after construction activities have been completed and the site has undergone final stabilization;

   b. discharges that are mixed with sources of non-storm water other than discharges identified in Part III.A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV.D.5 (Non-Storm Water Discharges) of this permit;

c. storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI.N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges;

d. storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard;

e. storm water discharges that the Agency, at its discretion, determines are not appropriately authorized or controlled by this general permit; and

f. storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d) (6).

C. **Authorization.**

1. In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below, using an NOI form provided by the Agency.

2. Where a new contractor is selected after the submittal of an NOI under Part II below, or where site ownership is transferred, a new Notice of Intent (NOI) must be submitted by the owner in accordance with Part II.

3. Unless notified by the Agency to the contrary, dischargers who submit an NOI and a stormwater pollution prevention plan (SWPPP) in accordance with the requirements of this permit are authorized to discharge storm water from construction sites under the terms and conditions of this permit in 30 days after the date the NOI and SWPPP are received by the Agency.

4. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

Part II. NOTICE OF INTENT REQUIREMENTS

A. **Deadlines for Notification.**

1. To receive authorization under this general permit, a discharger must submit a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this Part in sufficient time to allow a 30 day review period after the receipt of the NOI by the Agency and prior to the start of construction. The completed NOI may be submitted electronically to the following email address: epa.constilr10swppp@illinois.gov

2. Discharges that were covered by the previous version of ILR10 are automatically covered by this permit. Where discharges associated with construction activities were initially covered under the previous version of ILR10 and are continuing, the Storm Water Pollution Prevention Plan must be updated/revised within 12 months of the effective date of this reissued permit, as necessary to ensure compliance with the provisions of the reissued ILR10. Updating of the SWPPP is not required if construction activities are completed and a Notice of Termination is submitted within 12 months of the effective date of this permit.

3. A discharger may submit an NOI in accordance with the requirements of this Part after the start of construction. In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

B. **Failure to Notify.** Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the United States without an NPDES permit are in violation of the Environmental Protection Act and Clean Water Act.

C. **Contents of Notice of Intent.** The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information:

1. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

2. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

3. The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal;

4. The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s);

5. The number of any NPDES permits for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit;

6. A description of the project, detailing the complete scope of the project, estimated timetable for major activities and an estimate of the number of acres of the site on which soil will be disturbed;

7. For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency agreements with those agencies, the NOI shall indicate that such compliance has occurred.

8. An electronic copy of the storm water pollution prevention plan that has been prepared for the site in accordance with Part IV of this permit. The electronic copy shall be submitted to the Agency at the following email address: epa.constilr10swppp@illinois.gov

9. A new notice of intent shall be submitted for any substantial modifications to the project such as: address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications.

D. **Where to Submit.**

Construction activities which discharge storm water that requires a NPDES permit must use an NOI form provided by the Agency. The applicable fee shall also be submitted. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. The NOI form may be submitted to the Agency in any of the following methods:

1. File electronically with digital signature at the following website address:
http://dataservices.epa.illinois.gov/SWConstructionPermit/bowLogin.aspx

Registration specific to the permittee is required in order to file electronically.

Submit the appropriate fee with the permit ID number assigned during completion of the NOI to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control, Mail Code #15
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

2. Submit complete signed NOI and SWPPP to the following email address: epa.constilr10swppp@illinois.gov. Submit a copy of the signed NOI and appropriate fee by registered or certified mail, return receipt requested, to the Agency at the address above. NOIs and fees that are hand delivered shall be delivered to and receipted for by an authorized person employed in the Permit Section of the Agency's Division of Water Pollution Control.

E. **Additional Notification.** Construction activities that are operating under approved local sediment and erosion plans, land disturbance permits, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV.D.2.d (Approved State or Local Plans). A copy of the NOI shall be sent to the entity holding an active General NPDES Permit No. ILR40 if the permittee is located in an area covered by an active ILR40 permit.

F. **Notice of Termination.** Where a site has completed final stabilization and all storm water discharges from construction activities that are authorized by this permit are eliminated, the permittee must submit a completed Notice of Termination (NOT) that is signed in accordance with Part VI.G (Signatory Requirements) of this permit.

1. The Notice of Termination shall include the following information:

a. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

b. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

c. The name, address and telephone number of the general contractor(s);

d. The date(s) when construction was completed and the site was stabilized, when all construction materials, waste and waste handling devices have been removed from site and properly disposed, and when all construction equipment have been removed from site, unless intended for long-term use following termination of permit coverage. Any items to remain at the site shall be clearly described in the NOT including the long-term purpose and a brief description indicating how the items will be maintained to protect water quality; and

e. The following certification signed in accordance with Part VI.G (Signatory Requirements) of this permit:

"I certify under penalty of law that all storm water discharges associated with construction site activity from the identified facility that are authorized by NPDES general permit ILR10 have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with construction site activity by the general permit, and that discharging pollutants in storm water associated with construction site activity to Waters of the United States is unlawful under the Environmental Protection Act and Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act."

For the purposes of this certification, elimination of storm water discharges associated with industrial activity means that all disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have otherwise been eliminated.

2. All Notices of Termination are to be sent to the Agency to the mailing address in Part II.D.1, using the form provided by the Agency, or electronically if the permittee submitted a Notice of Intent by electronic means.

Part III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A. Prohibition on Non-Storm Water Discharges.

1. Except as provided in Part I paragraph B.2 and paragraphs 2, 3 or 4 below, all discharges covered by this permit shall be comprised entirely of storm water.

2. a. Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge.

   b. The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with Part IV.D.5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used; waters used to control dust; potable water sources including uncontaminated waterline flushings; landscape irrigation drainages; routine external building washdown which does not use detergents; pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; uncontaminated air conditioning condensate; uncontaminated spring water; uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

3. The following non-storm water discharges are prohibited by this permit: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.

4. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are allowable if managed by appropriate controls.

   a. Dewatering discharges shall be treated or controlled to minimize discharges of pollutants;

   b. The discharge shall not include visible floating solids or foam;

   c. An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to contain these materials;

   d. To the extent feasible, use vegetated, upland areas of the site to infiltrate dewatering water before discharge;

   e. Backwash water (water used to backwash/clean any filters used as part of stormwater treatment) must be properly treated or hauled off-site for disposal; and

   f. Dewatering treatment devices shall be properly maintained.

B. Discharges into Receiving Waters with an Approved Total Maximum Daily Load (TMDL):

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless the owner/operator develops and certifies a SWPPP that is consistent with wasteload allocations in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions and/or Best Management Practices applicable to their discharges necessary for consistency with the TMDL within any timeframes established in the TMDL. If a specific numeric waste load allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation.

Please refer to the Agency website at: http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/reports/index

C. In the absence of information demonstrating otherwise, it is expected that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If at any time you become aware, that discharges are not being controlled as necessary to meet applicable water quality standards, you must take corrective action as required in Part IV.D.5 of this Permit. Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of best management practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. Deadlines for Plan Preparation and Compliance.

The plan shall:

1. Be completed prior to the start of the construction activities to be covered under this permit and submitted electronically to the Agency at the time the Notice of Intent is submitted; and

2. Provide for compliance with the terms and schedules of the plan beginning with the initiation of construction activities.

B. Signature, Plan Review and Notification.

1. The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained at the construction site which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit. If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site.

2. Prior to commencement of construction, the permittee shall provide the plan to the Agency.

3. The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system. A list of permitted municipal separate storm sewer systems is available at: http://www.epa.state.il.us/water/permits/storm-water/ms4-status-report.pdf

4. The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit.

5. A copy of the letter of notification of coverage along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit).

6. All storm water pollution prevention plans and all completed inspection forms/reports required under this permit are considered reports that shall be available to the public at any reasonable time upon request. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2.

C. **Keeping Plans Current.** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the United States and which has not otherwise been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV.B above. The SWPPP and site map must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the storm water pollution prevention plan shall be kept on site at all times.

D. **Contents of Plan.** The storm water pollution prevention plan shall include the following items:

1. **Site Description.** Each plan shall provide a description of the following:

   a. A description of the nature of the construction activity or demolition work;

   b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils, on-site or off-site storage of materials);

   c. An estimate of the total area of the site and the total area of the site that is expected to be disturbed by clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils and storage of materials, or other activities;

   d. An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

   e. A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, locations of on-site or off-site soil stockpiling or material storage, surface waters (including wetlands), and locations where storm water is discharged to a surface water; and

   f. The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.

2. **Controls.** Each plan shall include a description of appropriate controls that will be implemented at the construction site and any off-site stockpile or storage area unless already authorized by a separate NPDES permit. The plan shall include details or drawings that show proper installation of controls and BMPs. The Illinois Urban Manual http://www.aiswcd.org/illinois-urban-manual/ or other similar documents shall be used for developing the appropriate management practices, controls or revisions of the plan. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained and/or repaired until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization. The description of controls shall address as appropriate the following minimum components:

   a. **Erosion and Sediment Controls.** The permittee shall design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:

      (i) Control storm water volume and velocity within the site to minimize soil erosion;
      (ii) Control storm water discharges, including both peak flowrates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;
      (iii) Minimize the amount of soil exposed during construction activity through the use of project phasing or other appropriate techniques;
      (iv) Minimize the disturbance of steep slopes;
      (v) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address

factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

(vi) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible; and

(vii) Minimize soil compaction and, unless infeasible, preserve topsoil.

(viii) Minimize sediment track-out. Where sediment has been tracked-out from your site onto paved roads, sidewalks, or other paved areas outside of your site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or water of the U.S.

(ix) Minimize dust. On areas of exposed soils, minimize the generation of dust through the appropriate application of water or other dust suppression techniques.

b. **Stabilization Practices.** The storm water pollution prevention plan shall include a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where practicable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporarily seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated, shall be included in the plan. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Exceptions to these time frames are specified as provided in paragraphs (i) and (ii) below:

(i) Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

(ii) On areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used. Temporary stabilization techniques and materials shall be described in the SWPPP.

(iii) Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.

c. **Structural Practices.** A description of structural practices utilized to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.

(i) The following design requirements apply to sediment basins if such structural practices will be installed to reduce sediment concentrations in storm water discharges:

a. When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize the discharge.

b. Prevent erosion of the sediment basin using stabilization controls (e.g., erosion control blankets), at the inlet and outlet using erosion controls and velocity dissipation devices;

c. Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.

(ii) The following requirements apply to protecting storm drain inlets:

a. Install inlet protection measures that remove sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet; and

b. Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.

d. **Use of Treatment Chemicals.** Identify the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified along with any information from any Meterial Safety Data Sheet. Describe the location of all storage areas for chemicals. Include any information from the manufacturer's specifications. Treatment chemicals must be stored in areas where they will not be exposed to precipitation. The SWPPP must describe procedures for use of treatment chemicals and staff responsible for use/application of treatment chemicals must be trained on the established procedures.

e. **Best Management Practices for Impaired Waters.** For any site which discharges directly to an impaired water identified on the Agency's website for 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria. Please refer to the Agency's website at: (http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/303d-list/index)

f. **Pollution Prevention.** The permittee shall design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;

(ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water. Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or when exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);

(iii) Minimize the exposure of fuel, oil, hydraulic fluid and other petroleum products by storing in covered areas or containment areas; and

(iv) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

g. **Other Controls.**

(i) Waste Disposal. No solid materials, including building materials, shall be discharged to Waters of the United States, except as authorized by a Section 404 permit.
(ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
(iii) For construction sites that receive concrete or asphalt from off-site locations, the plan must identify and include appropriate controls and measures to reduce or eliminate discharges from these activities.
(iv) The plan shall include spill response procedures and provisions for reporting if there are releases in excess of reportable quantities.
(v) The plan shall ensure that regulated hazardous or toxic waste must be stored and disposed in accordance with any applicable State and Federal regulations.

h. **Best Management Practices for Post-Construction Storm Water Management.** Describe the measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attaineble. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

(i) While not mandatory, it is advisable that the permittee consider including in its storm water pollution prevention plan and design and construction plans methods of post-construction storm water management to retain the greatest amount of post-development storm water run-off practicable, given the site and project constraints. Such practices may include but are not limited to: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). Technical information on many post-construction storm water management practices is included in the Illinois Urban Manual (2017).

The storm water pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where post-construction flows will exceed predevelopment levels.

(ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

(iii) Unless otherwise specified in the Illinois Urban Manual (2017), the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

i. **Approved State or Local Plans.**

(i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in the Illinois Urban Manual, (2017). Construction activities which discharge storm water must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion control plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion control plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit. The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

(ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

j. **Natural Buffers.** For any stormwater discharges from construction activities within 50 feet of a Waters of the United States, except for activities for water-dependent structures authorized by a Section 404 permit, the permittee shall:

(i) Provide a 50-foot undisturbed natural buffer between the construction activity and the Waters of the United States; or
(ii) Provide additional erosion and sediment controls within that area.

3. **Maintenance.**

a. The plan shall include a description of procedures to maintain in good and effective operating conditions, all erosion and sediment control measures and other Best Management Practices, including vegetation and other protective measures identified in the Storm Water Pollution Prevention Plan.

b. Where a basin has been installed to control sediment during construction activities, the Permittees shall keep the basin(s) in effective operating condition and remove accumulated sediment as necessary. Sediment shall be removed in accordance with the Illinois Urban Manual (2017) or more frequently. Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place.

c. Other erosion and sediment control structures shall be maintained and cleaned as necessary to keep structure(s) in effective operating condition, including removal of excess sediment as necessary.

4. **Inspections.** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm or by the end of the following business or work day that is 0.50 inches or greater. Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment controls measures, such as a licensed Professional Engineer (P.E.), a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI), a Certified Stormwater Inspector (CSI) or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities. Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within 72 hours of becoming accessible.

   a. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit). Weekly inspections will recommence when construction activities are conducted, or if there is a 0.50 inches or greater rain event, or a discharge due to snowmelt occurs.

   b. Disturbed areas, areas used for storage of materials that are exposed to precipitation and all areas where stormwater typically flows within the site shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. All locations where stabilization measures have been implemented shall be observed to ensure that they are still stabilized. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

   c. Based on the results of the inspection, the description of potential pollutant sources identified in the storm water pollution prevention plan in accordance with Part IV.D.1 (Site Description) of this permit and the pollution prevention control measures identified in the plan in accordance with Part IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection to minimize the potential for such discharges. Such modifications shall provide for timely implementation of any changes to the plan and pollution prevention control measures within 7 calendar days following the inspection.

   d. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. All inspection reports shall be retained at the construction site. The report shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit. Any flooding or other unsafe conditions that delay inspections shall be documented in the inspection report.

   e. The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax (see Attachment A) within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. Corrective actions must be undertaken immediately to address the identified non-compliance issue(s).

   f. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements).

   g. After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of noncompliance shall be mailed to the Agency at the following address:

      Illinois Environmental Protection Agency
      Division of Water Pollution Control
      Compliance Assurance Section
      1021 North Grand Avenue East
      Post Office Box 19276
      Springfield, Illinois 62794-9276

5. **Corrective Actions.** You must take corrective action to address any of the following conditions identified at your site:

   a. A stormwater control needs repair or replacement; or

   b. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly; or

   c. Your discharges are causing an exceedance of applicable water quality standards; or

   d. A prohibited discharge has occurred.

   Corrective Actions shall be completed as soon as possible and documented within 7 days in an Inspection Report or report of noncompliance. If it is infeasible to complete the installation or repair within seven (7) calendar days, you must document in your records why it is infeasible to complete the installation or repair within the 7-day timeframe and document your schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe.

6. **Non-Storm Water Discharges.** Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. **Additional requirements for storm water discharges from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants.** This permit may only authorize any storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

1. The industrial source other than construction is located on the same site as the construction activity;

2. Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

3. Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants [other than asphalt emulsion facilities] and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

F. **Contractors.**

1. The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractors.

2. **Certification Statement.** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph 1 above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

   "I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

   The certification must include the name and title of the person providing the signature in accordance with Part VI.G of this permit: the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

Part V. RETENTION OF RECORDS

A. The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, records of all data used to complete the Notice of Intent to be covered by this permit and the Agency Notice of Permit Coverage letter for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.

B. The permittee shall retain a copy of the storm water pollution prevention plan and any revisions to said plan required by this permit at the construction site from the date of project initiation to the date of final stabilization. Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site.

Part VI. STANDARD PERMIT CONDITIONS

A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Illinois Environmental Protection Act and the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Failure to obtain coverage under this permit or an individual permit for storm water releases associated with construction activities is a violation of the Illinois Environmental Protection Act and the CWA.

B. **Continuation of the Expired General Permit.** This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those construction activities authorized to discharge under the expiring general permit are covered by the continued permit.

C. **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. **Duty to Provide Information.** The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of all records required to be kept by this permit.

F. **Other Information.** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.

G. **Signatory Requirements.** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.

1. All Notices of Intent shall be signed as follows:

   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (2) any person authorized to sign documents that has been assigned or delegated said authority in accordance with corporate procedures;

   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

   c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described above and submitted to the Agency.

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

   c. **Changes to Authorization.** If an authorization under Part I.C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of Part I.C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

   d. **Certification.** Any person signing documents under this Part shall make the following certification:

      "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. **Penalties for Falsification of Reports.** Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more then $10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

I. **Penalties for Falsification of Monitoring Systems.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

J. **Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA.

K. **Property Rights.** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

L. **Severability.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

M. **Transfers.** This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C (Authorization).

N. **Requiring an Individual Permit or an Alternative General Permit.**

1. The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II.D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:

   a. information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6);

   b. whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing;

c. size of construction site, proximity of site to the receiving stream, etc.

The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.

2. Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II.D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

3. When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.

O. **State/Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

P. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all construction activities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

Q. **Inspection and Entry.** The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated construction activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

R. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

S. **Bypasses and Upsets.** The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

Part VII. REOPENER CLAUSE

A. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit in accordance with Part I.C (Authorization) of this permit or the permit may be modified to include different limitations and/or requirements.

B. Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

C. The Agency will reopen and modify this permit under the following circumstances:

1. the U.S. EPA amends its regulations concerning public participation;

2. a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit Court of Appeals issues an order necessitating a modification of public participation for general permits; or

3. to incorporate federally required modifications to the substantive requirements of this permit.

Part VIII. DEFINITIONS

"Agency" means the Illinois Environmental Protection Agency.

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

"Commencement of Construction or Demolition Activities" The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction or demolition activities.

"Construction Activities" Earth disturbing activities, such as clearing, grading and excavation of land. For purposes of this permit, construction activities also means construction site, construction site activities, or site. Construction activities also include any demolition activities at a site.

"Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit.

"CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

"Dedicated portable asphalt plant" A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

"Dedicated portable concrete plant" A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

"Dedicated sand or gravel operation" An operation that produces sand and/or gravel for a single construction project.

"Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and either of the two following conditions are met:

(i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or

(ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

For individual lots in residential construction, final stabilization means that either:

(i) The homebuilder has completed final stabilization as specified above, or

(ii) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.

"Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

(i) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or

(ii) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or

(iii) Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

"NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

"NOT" means notice of termination of coverage by this permit (See Part II of this permit.)

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm Water Associated with Industrial Activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in subparagraphs (i) through (x) of this subsection, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in subparagraph (xi), the term includes only storm water discharges from all areas listed in the previous sentence (except access roads) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally or municipally owned or operated that meet the description of the facilities listed in this paragraph (i)- (xi)) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

(i) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this paragraph);

(ii) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28, 29, 311, 32, 33, 3441, 373;

(iii) Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations meeting the definition of a reclamation area under 40 CFR 434.11(l)) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator;

(iv) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

(v) Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;

(vi) Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

(vii) Steam electric power generating facilities, including coal handling sites;

(viii) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42, 44, and 45 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under subparagraphs (i)-(vii) or (ix)-(xi) of this subsection are associated with industrial activity;

(ix) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;

(x) Construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than one acre of total land area which are not part of a larger common plan of development or sale unless otherwise designated by the Agency pursuant to **Part I.B.1.**

(xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 31 (except 311), 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories (i)-(x)).

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

"Work day" for the purpose of this permit, a work day is any calendar day on which construction activities will take place.

Attachment A

Division of Water Pollution Control
Regions by County

Rockford Region (FOS 1) Manager 815/987-7760

Boone	Bureau	Carroll	DeKalb	Jo Daviess	LaSalle
Lee	Ogle	Putnam	Stephenson	Whiteside	Winnebago

Des Plaines Region (FOS 2) Manager 847/294-4000

Cook	DuPage	Grundy	Kane	Kankakee	Kendall
Lake	McHenry	Will			

Peoria Region (FOS 3) Manager 309/671-3022

Fulton	Hancock	Henderson	Henry	Knox	Marshall
McDonough	Mercer	Peoria	Rock Island	Stark	Tazewell
Warren	Woodford				

Champaign Region (FOS 4) Manager 217/278-5800

Champaign	Clark	Coles	Crawford	Cumberland	DeWitt
Douglas	Edgar	Effingham	Ford	Iroquois	Jasper
Livingston	Macon	McLean	Moultrie	Piatt	Shelby
Vermilion					

Springfield Region (FOS 5) Manager 217/557-8761

Adams	Brown	Calhoun	Cass	Christian	Green
Jersey	Logan	Macoupin	Mason	Menard	Montgomery
Morgan	Pike	Sangamon	Schuyler	Scott	

Collinsville Region (FOS 6) Manager 618/346-5120

Bond	Clinton	Fayette	Madison	Marion	Monroe
Randolph	St. Clair	Washington			

Marion Region (FOS 7) Manager 618/993-7200

Alexander	Clay	Edwards	Franklin	Gallatin	Hamilton
Hardin	Jackson	Jefferson	Johnson	Lawrence	Massac
Perry	Pope	Pulaski	Richland	Saline	Union
Wabash	Wayne	White	Williamson		

Attachment H
Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24-Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8-Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

(1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.

(2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

(3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

(6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

(7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.

(8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:
   (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
   (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**
   (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
   (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
   (c) Records of monitoring information shall include:
      (1) The date, exact place, and time of sampling or measurements;
      (2) The individual(s) who performed the sampling or measurements;
      (3) The date(s) analyses were performed;
      (4) The individual(s) who performed the analyses;
      (5) The analytical techniques or methods used; and
      (6) The results of such analyses.
   (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.
   (a) **Application.** All permit applications shall be signed as follows:
      (1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation:
      (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
      (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
   (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
      (1) The authorization is made in writing by a person described in paragraph (a); and
      (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
      (3) The written authorization is submitted to the Agency.
   (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
   (d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

      I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(12) **Reporting requirements.**
   (a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
      Notice is required when:
      (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
      (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
      (3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
   (b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
   (c) **Transfers.** This permit is not transferable to any person except after notice to the Agency.
   (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(e) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.
(1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).
(2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
(3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(f) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:
(1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
(2) Any upset which exceeds any effluent limitation in the permit.
(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.
The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.

(g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).

(h) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Bypass.**
(a) Definitions.
(1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
(2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
(b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).
(c) Notice.
(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).
(d) Prohibition of bypass.
(1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:
(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
(iii) The permittee submitted notices as required under paragraph (13)(c).
(2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).

(14) **Upset.**
(a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
(b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
(c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
(1) An upset occurred and that the permittee can identify the cause(s) of the upset;
(2) The permitted facility was at the time being properly operated; and
(3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).
(4) The permittee complied with any remedial measures required under paragraph (4).
(d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

(15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
(a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
(b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:
(1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
(2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
(3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.

(16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
(1) One hundred micrograms per liter (100 ug/l);
(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
(3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
(4) The level established by the Agency in this permit.
(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.

(17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
(a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
(b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
(c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

(18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
(a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
(b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
(c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.

(19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.

(20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.

(21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.

(22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than one year, or both.
Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).

(23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both.

(24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

(26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.

(27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.

(28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

2018 ILR10 General NPDES Permit for Storm Water Discharges From Construction Site Activities
Public Comments and Responses Fact Sheet

COMMENT 1: Please include the following language in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10, per the Federal NPDES CGP: *If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site.*

RESPONSE 1: The Agency has revised Part IV(B)(1) of the permit as requested.

COMMENT 2: Please revise the post-rain inspection threshold to 0.5-inch rain event or include the following language in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10, to coincide with the Federal NPDES CGP: *At a minimum, qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site in accordance with one of the two schedules listed below:*
- *At least once every seven (7) calendar days; or*
- *Once every 14 calendar days and within 24 hours of the end of a rain event, or by the end of the following business or work day that is 0.25 inches or greater*

RESPONSE 2: The Agency has revised the post-rain inspection threshold back to a 0.5-inch rain event. The Agency has determined that the ILR10 permit contains requirements to design systems for larger rain events than 0.25 inch and therefore any discharges after a 0.25 inch rain event should be properly treated. The required weekly inspections will record any malfunctions, improperly installed BMPs, etc. that would lead to an unacceptable discharge after a 0.25 inch rain event and require corrective actions.

COMMENT 3: Please replace the word "remove" with "minimize" as noted above in Paragraph a, of the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10. The word "remove" implies absolute removal of sediment from storm water via inlet protection. The current best available technology related to inlet protection cannot fully remove suspended sediments associated with Illinois soils from storm water.

RESPONSE 3: The Agency has not revised the language in Part IV (D)(2)(c)(ii)(a). The language is consistent with the Federal EPA's 2017 Construction General Permit (Section 2.2.10 (a) on page 10). The requirement is not intended to require absolute removal of sediment, but rather requires installation of protective measures that do remove an adequate amount of sediment to protect water quality.

COMMENT 4: Please revise the Part IV(D)(2)(c)(ii) paragraph b, in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 to: *Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited*

sediment as soon as possible, but in no case longer than seven (7) calendar days. If it is infeasible to complete the maintenance within 7 calendar days, you must document in your records why it is infeasible to complete the maintenance within the 7-day timeframe and document your schedule for maintaining the inlet protection after the 7-day timeframe.

RESPONSE 4: The Agency has not revised the language in Part IV (D)(2)(c)(ii)(b). The language is consistent with the Federal EPA's 2017 Construction General Permit (Section 2.2.10 (b) on page 10). The language refers to maintenance activities, not incidences of non-compliance or corrective actions. The Agency considers the required time frame for maintaining inlet protection measures as reasonable and attainable.

COMMENT 5: Please revise the Part VI(Q) of the reissued General NPDES Permit No. ILR10 to include the following language or language similar to:
IEPA, or their authorized representative, shall comply with all site specific, construction site safety protocols. Prior to entering construction site covered by an active General NPDES Permit No. ILR10, IEPA, or their authorized representative, shall attempt to contact the permittee via phone and email, per information provided in the "Owner Information" section of the NOI kept on file with IEPA.

RESPONSE 5: The Agency has not revised the language in Part VI (Q). The Agency is not required to notify the permittee prior to an inspection.

COMMENT 6: Please expand the definition of Initial disturbance of soils in a vegetated area to include text related to a "disturbance of the root zone".

RESPONSE 6: The Agency has not revised or expanded the definition of "Commencement of Construction or Demolition Activities" as it is consistent with definitions in the Federal EPA's 2017 Construction General Permit (Page A-2 of 13).

COMMENT 7: The draft reissued NPDES Permit No. ILR10 does not deter utility companies from violating a permittee's SWPPP or damaging permittee owned best BMPs, nor does it require utility companies to install or maintain their own BMPs (i.e. track out controls). Please include language in the reissued General NPDES Permit No. ILR10 that specifically binds utility companies to a permittee' s SWPPP and compliance program, or requires utility companies to obtain a separate General NPDES Permit No. ILR10 as part of a larger common plan of development.

RESPONSE 7: As the Agency's construction general permit is derived from USEPA's corresponding construction general permit, and USEPA reviews and approves the Agency's permit, the requirements in the Agency's permit are modeled after those in the federal counterpart. The requirement in the Agency's construction general permit relating to subcontractors is therefore based on the requirement found in the USEPA's permit.

COMMENT 8: Please include a forgiveness clause or waiver in the reissued General NPDES Permit No. ILR10 that can be applied by permittees when good cause exists, such as an act of God, labor strike, or flood.

RESPONSE 8: Part VI (S) of permit ILR10, by reference to 40 CFR 122.41(n), allows for provisions during upsets such as acts of God.

COMMENT 9: *Land-disturbing activities associated with construction of the following agricultural operations must obtain General NPDES Permit No. ILR10 permit coverage:*
(A) Barns.
(B) Buildings to house livestock.
(C) Roads associated with infrastructure.
(D) Agricultural waste lagoons and other facilities.
(E) Lake, ponds and impoundments.
(F) Wetlands constructed voluntarily or as mitigation.
(G) Other infrastructure

RESPONSE 9: The Agency has not included the requested language. The ILR10 permit covers all agricultural structures disturbing over 1 acre of land that are not covered by the exemption in 40 CFR 122.3(e).

COMMENT 10: Please include the following language in Part IV(D)(2)(a)(viii) of the reissued General NPDES Permit No. ILR10, per Section 2.2.4 of the Federal NPDES CGP:

> *Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.*

RESPONSE 10: The Agency has added Part IV(D)(2)(b)(iii) as requested which includes requirements for implementation of other exit point controls if stabilization is not complete.

COMMENT 11: We suggest the Agency amend the last sentence in Section I.B.1 as follows: Where discharges from construction sites were initially covered under the previous version of the ILR10, the Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

RESPONSE 11: The Agency has revised Section I.B.1 as requested.

COMMENT 12: Inconsistencies exist in requirements for notice of intent for when a new contractor is selected in Section I.C.2 and II.C.9. It is unclear what the practical difference is between a "new" notice of intent as required in Section I.C.2 and a "revised" notice of intent as required in Section II.C.9. We recommend the Agency state either a new notice of intent is required in both instances when a new contractor is named or that the permittee must submit a revised notice of intent.

RESPONSE 12: The Agency has revised Section II.C.9 to state "New notice of intents shall be submitted for any substantial modifications to the project such as: address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications."

COMMENT 13: The certified mail requirement seems unnecessarily restrictive as alternative means such as private courier or hand delivery would be equally satisfactory. We recommend the Agency amend the permit language in section II.D.2 to include the following: "Submit a copy of the signed NOI and appropriate fee by means that would provide a receipt of delivery to the Agency at the address above."

RESPONSE 13: The Agency has revised Section II.D.2 to state "Submit a copy of the signed NOI and appropriate fee by registered or certified mail, return receipt requested, to the Agency at the address above. NOIs and fees that are hand delivered shall be delivered to and receipted for by an authorized person employed in the Permit Section of the Agency's Division of Water Pollution Control." pursuant to 35 Ill. Adm. Code 309.223.

COMMENT 14: We suggest the Agency amend the language in section II.F.1.d to include the following: "The date when construction was completed and the site was stabilized and when you have removed and properly disposed of all construction materials, waste and waste handling devices, and have removed all equipment and vehicles that were used during construction, unless intended for long-term use following termination of permit coverage; and..."

RESPONSE 14: The Agency has revised Section II.F.1.d and added "Any items to remain at the site shall be clearly described in the NOT including the long-term purpose and a brief description indicating how the items will be maintained to protect water quality."

COMMENT 15: We suggest the Agency clarify section III.A.4.c with the following language: "An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to contain these materials;"

RESPONSE 15: The Agency has revised Section III.A.4.c as requested.

COMMENT 16: We suggest the Agency revise section III.A.4.e to state the following: "backwash water must be properly treated or hauled off-site for disposal...."

RESPONSE 16: The Agency has revised Section III.A.4.e as requested.

COMMENT 17: Section IV.D.1.c and IV.D.2 require controls at off-site stockpiles and storage of materials. It is unclear whether such "off-site" activities, including discharges from such locations, are included within the scope of the permit as described in section I.B.1. If the Agency intends for such activities and discharges to be within the scope of the permit, then we recommend section I.B.1 be revised to make that clear. If the Agency does not intend to authorize such discharge via this permit, then we recommend removing the requirements of IV.D.I and IV.D.2 regarding off-site activities, as if there is a discharge associated with that location, it should be permitted separately.

RESPONSE 17: The Agency intends to require controls for off-site stockpiles and storage areas as stated in the permit. USEPA's Construction General Permit considers off-site stockpiles as "construction support activities" that require

coverage under the permit. The ILR10 permit definition for "Storm Water Associated with Industrial Activity" includes "material handling sites" and "storage areas for raw materials." The Agency has added "...unless already authorized by a separate NPDES permit." after "...any off-site stockpile or storage area." in Section IV.D.2.

COMMENT 18: We recommend adding the following language to Section IV.D.2.f.ii: "Minimize the exposure of building materials that have the potential for storm water pollution, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water."

RESPONSE 18: The Agency has added the following language to Section IV.D.2.f.ii consistent with the Federal EPA's 2017 Construction General Permit (footnote 36 on page 14): Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use).

COMMENT 19: Section IV.D.2.e and IV.D.2.h.iii require the SWPPP be designed for storm events equal to or greater than a 25-year 24-hour rainfall event. It is unclear what is intended by this language. It could be read to mean that the SWPPP not include any requirement for any storm events smaller than a 25-year 24-hour event and that only events of that size or greater need be designed for. This requirement would be prohibitively expensive and relatively unnecessary since these rainfall events are uncommon.

RESPONSE 19: The Agency has not revised this language. Designing for storm events equal to or greater than a 25-year 24-hour rainfall event will result in a system designed for a minimum of 25-year 24-hour storm event as the Agency intends. A system designed for a 25-year 24-hour storm event will also handle any storm events less than the 25-year 24-hour storm event. Section IV.D.2.h.iii also references the Illinois Urban Manual which may include BMPs requiring designs for smaller storm events.

COMMENT 20: Section IV.D.2.h.i states, "while not mandatory..." for including a storm water pollution prevention plan and design. The provisions within this subsection are not intended to impose a legally binding requirement, according to the language in the permit and therefore may be more appropriately placed within the Fact Sheet.

RESPONSE 20: The Agency has retained this language in the permit in order to highlight post-construction storm water controls that will provide water quality benefits.

COMMENT 21: Part IV.6. Section D.4 includes very specific qualifications for performing inspections required by the permit. The professional qualification listed as examples (P.E., CPESC or CESSWI) are suitable for someone writing a SWPPP but are perhaps too comprehensive for those required to inspect the controls specified in the plan.

We recommend the Agency provide guidance or a recommendation of specific training that could be given to an "other knowledgeable person" who will be performing the inspection.

RESPONSE 21: The Agency has defined "other knowledgeable person" within the permit language as a person knowledgeable in the principles and practices of erosion and sediment controls and who possesses the skills to assess conditions at the construction site that could impact water quality and asses the effectiveness of any sediment and erosion control measures. Any training that expands a person's knowledge of the principles and practices of erosion and sediment controls is acceptable.

COMMENT 22: We recommend defining "contractor" as it is used within Part II.C and elsewhere in the permit.

RESPONSE 22: The Agency has added the following definition to ILR10: "Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit.

COMMENT 23: Section IV(D)(4) should be revised to include the designation Certified Stormwater Inspector (CSI). The other organizations that are listed in Section IV are no different than the National Stormwater Center.

The National Stormwater Center requests a public hearing on the proposed permit for the purpose of assuring the permit does not provide innoperiate [sp?] financial and other benefits to specific business interest.

RESPONSE 23: The Agency has added Certified Stormwater Inspector (CSI) to the list in Section IV(D)(4) as requested. The Agency has developed the General ILR10 NPDES permit to meet pertinent regulations and protect water quality. The permit does not provide financial or other benefits to any specific business interest. Therefore, the Agency has determined that a public hearing is not necessary.

COMMENT 24: For submittal of the NOT, you not only need to stabilize the site, but all construction activities need to cease and materials and equipment need to be removed from the site. It is completely normal that multi-phase projects would have nonperishable materials and supplies remain on the site to support future phases. This can include pre-cast concrete pipe, pre-cast structures, aggregate stockpiles, etc. which, if left on site, will not contribute to the potential for pollution. Not allowing the NOT to be filed based on these materials remaining will contribute to increased costs for continued inspections for no reason at all.

RESPONSE 24: Please see Response 14.

COMMENT 25: The comment period should be extended to at least 90 days in total with IEPA holding at least 1 public meeting in each region to allow stakeholders to learn about and then respond to these changes.

RESPONSE 25: Numerous stakeholders have provided comments to the Agency regarding the stormwater permit and the Agency has considered those comments. The Agency has and will continue to participate in workshops/meetings throughout the State regarding stormwater permit requirements to inform stakeholders and answer questions.

COMMENT 26: In response to the proposed change to Part II F(d) regarding material and equipment removal, we recommend the following language change:
"The date(s) when construction was completed, the site was stabilized, and when all materials, waste, waste handling devices, and construction equipment was removed from the site..."

RESPONSE 26: The Agency has revised Part II(F)(1)(d) to state "The date(s)..."

COMMENT 27: In response to the proposed change to Part IV D(2)(a)(ix) regarding dust minimization, we support this change.

RESPONSE 27: Thank you for your comment.

COMMENT 28: Clarification for what the term "frozen conditions" means would be helpful. In the northern part of the state, it is likely very clear what is meant by frozen conditions. However, when you apply it to the southern portion of the state, many contractors and engineers translate that to mean that the winter months only require monthly inspections.

RESPONSE 28: Frozen conditions means when ground and/or air temperatures are at or below 32 degrees Fahrenheit. The Agency has added this clarification to the permit.

COMMENT 29: A good SWPPP is only as good as the contractor who is implementing it. I feel that any deviation from the plan by the contractor, which provides less protection, should require a written explanation or approval by an engineer. Many times a contractor will over rule the engineer without the proper knowledge or just out to save a penny. The signature on the contractor certification is seemingly not enough.

RESPONSE 29: The ILR10 permit requires proper implementation of the SWPPP. Any deviation from the SWPPP is considered not in compliance with the permit. SWPPPs shall be maintained and updated as appropriate.

COMMENT 30: When engineers reference another manual in the SWPPP, such as an IDOT manual, the referenced material should be required to be onsite.

RESPONSE 30: The Agency has added "Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site." to Part V (B).

COMMENT 31: SWPPP requirements should include details or drawings that show proper installation of BMPs.

RESPONSE 31: The Agency has added "The plan shall include details or drawings that show proper installation of controls and BMPs." to Part IV (D)(2).

COMMENT 32: Sediment basin information should also include post construction clean out.

RESPONSE 32: The Agency has added "Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place." to Part IV (D)(3)(b).

COMMENT 33: The agricultural exemption is abused by contractors who haul out their spoil to agricultural fields and then claim it does not need to be stabilized.

RESPONSE 33: 40 CFR 122.3(e) exempts storm water runoff from agricultural fields, including storm water runoff from orchards, cultivated crops, pastures, range lands, and forest lands, from NPDES requirements.

COMMENT 34: Can clarification be provided regarding which projects actually require application of the native buffer section? As worded, Section2.j appears to require 50-foot native buffers for construction activities within 50-feet of Water of the US that cause a discharge. Is this statement requiring projects whose discharge is within 50 feet of the WOUS or those where the activity is within 50-feet of the WOUS to have a native buffer?

RESPONSE 34: Part IV (D)(2)(j) applies to any construction activities that are within 50 feet of a Waters of the United States.

COMMENT 35: Part IV(D)(3) should be revised to require maintenance cleaning of a basin when 50% of the basin's capacity is lost due to accumulated sediment.

RESPONSE 35: Part IV(D)(3) of the permit was revised to specify requirements for removing sediment and requires that sediment control structures are maintained and cleaned to be in effective operating condition.

COMMENT 36: Would it be possible to include a definition of Backwash water in the new permit?

RESPONSE 36: The Agency has added "...(water used to backwash/clean any filters used as part of stormwater treatment)..." to Part III(A)(4)(e).

COMMENT 37: Please consider presenting and publicly discussing the supporting data and the decision making process prior to the proposed change [to a 0.25-inch inspection threshold] to significantly increase the buy-in and success of its implementation.

RESPONSE 37: Please see Responses 2 and 25. The Agency has kept the 0.5 inch rainfall event threshold for requiring inspections.

APPENDIX G

Contractors Certification Form

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construct site identified as part of this certification.

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

Faegre Drinker Biddle & Reath, LLP

PROJECT #: JY2076.250

PREPARED FOR:
15N803 Old Sutton Road
Barrington Hills, Illinois

ISSUE DATE:
April 2025

August Mack

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JY2076.250

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CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JY2076.250

INTRODUCTION

This SWPPP has been completed in accordance with the requirements outlined in the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 for Stormwater Discharges for Construction Site Activities. The plan complies with all federal, state, and local regulations pertaining to this construction project.

SITE DESCRIPTION

The property is located at 15N803 Old Sutton Road in Barrington Hills, Illinois which consists of approximately 4.26 acres in unincorporated Cook County. The property consists of a residential dwelling along the western portion and a compacted asphalt storage pad and driveway along the southern and central portions of the property. The site is bordered by vegetation from wooded areas to the north, a railway to the west, as well as nearby residential properties to the south and east. The property coordinates are 42° 5′ 36.33″ N latitude and 88° 11′39.09″ W longitude. There is a single-entry point for all vehicles along Old Sutton Road. The property owner will be building a one-story metal garage on the property as a homeowner-contractor and also expanding the asphalt area.

Based on the topography of the site, stormwater will exit the site primarily via sheet flow to the east towards the drainage ditch along the railroad track. From there, the water will enter a culvert that ultimately discharges to Spring Creek. Spring Creek is located approximately a quarter of a mile south of the site.

The location is depicted on the vicinity map provided as Figure 1 of Appendix A. It contains the following:

- Surface Waters
- Stormwater Discharge Location on Surface Waters
- Receiving Waters
- Ultimate Receiving Waters
- Wetlands

Construction Description

The site will have a building added to it as well as increased asphalt area. The estimated duration of construction is six to eight weeks and will include the disturbance of approximately 1 acre of soil. The intended sequence of activities (related to soil disturbance) to occur is as follows:

1. Silt Fence Installation
2. Excavation of Existing Topsoil
3. Existing Topsoil Stockpiled Offsite
4. Addition of Compacted Asphalt

The site plan with the existing site conditions and intended construction activities is provided as Figure 2 of Appendix A. It contains the following:

- Stormwater Flow
- Vehicle Entrance and Exit
- Controls to Prevent Offsite Sediment Tracking
- Structural and Nonstructural Controls
- Silt Fence Locations

No grading activities will occur during construction. Slopes are anticipated to remain the same as prior to construction. No soil stockpiling or material storage will occur on-site during construction.

The primary soil found in the area of disturbance is Markham silt loam. The soils map provided as Figure 3 of Appendix A contains the following:

- Soil Types
- Slope Percentages
- Areas of Soil Disturbance

Soil information for the location was obtained from the Natural Resources Conservation Service (NRCS) United States Department of Agriculture (USDA) database. The Markham series consists of very deep, moderately well drained soils on Wisconsin till plains. They formed in a thin layer of loess or silty material and in the underlying silty clay loam till. Slopes range from 0 to 20 percent. The potential for surface runoff ranges from low to high. Permeability is slow. To limit erosion of soil, best management practices (BMPs) will be implemented.

CONTROLS

Erosion and Sediment Controls

Vehicles that exit the site will go through the Truck Clean Off/Inspection Area. This practice will minimize sediment track-out and the generation of dust with the application of water. If an excess amount of sediment accumulates on the public road, the project site manager will designate someone to sweep the roads.

The excavation of existing topsoil will be constrained to a limited area of approximately 1 acre. Only the required roadways onsite will be affected. Topsoil outside of the property will be not disturbed.

Stabilization Practices

Existing vegetation in the surrounding property (wooded areas) will not be disturbed. Grasses that exist along the property line will be reseeded, providing a non-erosive cover

which will minimize erosion and the generation of sediment. Any disturbed area of the site where construction has ceased either permanently or temporarily (a period exceeding 14 days) will be stabilized with seeding and/or geotextile mats.

Structural Practices

Silt fencing will be installed along the north and east boundary of the property, where stormwater flow is directed. The silt fence location is depicted in Figure 2 of Appendix A. It will be inserted along the property on the north side of the property from the fence line to the eastern portion of the silt fence. The eastern portion of the silt fence will be on the west side of the tree line running along the railroad tracks. Below are some general instructions regarding silt fencing installation:

- Silt fencing should be set up according to the terrain, soil and run-off condensation.
- Silt fencing should be installed perpendicular to the slope of the land.
- Silt fence should be spaced away from the toe-of-slope, leaving enough room to accumulate sediment and to perform work.
- Fabric should be run continuously inside the stakes and secured with nails, staples or zip ties while allowing at least 1 foot to line the trench.
- Maintain the fence by checking the fabric for damage, failure of fence to withhold sediment, and damage to posts. Install additional back-up silt fence, if needed.
- Remove built-up sediment from silt fence.

Spill Prevention and Cleanup

Best Management Practices (BMPs) are in place to minimize the potential for contamination of runoff from pollutants located at the construction site. Potential pollutants include gasoline, hydraulic oil, transmission oil, antifreeze/coolant, diesel fuel, motor oil, greases, and/or construction products.

On-site personnel will have access to the necessary spill cleanup and containment equipment, such as: oil absorbent materials, brooms, shovels, rakes and containers to properly handle and dispose of any generated wastes.

Good housekeeping for storage and use of significant materials will help minimize the potential for spills to occur at this construction site. Good housekeeping practices that are appropriate for the site include:

- Materials handled and stored in tightly sealed, labeled containers;
- Containers stacked in a neat and orderly manner;
- An adequate supply of cleanup materials is consistently maintained on-site;
- Spill sources are located and repaired; and,
- Spills are cleaned immediately.

Endangered Species Protection

The Ecological Compliance Assessment Tool (EcoCAT) was used regarding the effects of construction on surrounding species and wildlife. EcoCAT identified Black-Billed Cuckoo (Coccyzus erythropthalmus), Common Moorhen (Gallinula chloropus), and Osprey (Pandion haliaetus) in the project vicinity.

Black-Billed Cuckoo (Coccyzus erythropthalmus)

Black-billed Cuckoo birds are plain brown above without cinnamon tones and white below with a red ring around the eye and a black bill. Black-billed Cuckoos tend to live in forest, woodlands, and scrub. The Cuckoo is small and difficult to see.

Common Moorhen (Gallinula chloropus)

Common Gallinules are mostly charcoal gray birds with a white stripe down their sides and white outer tail feathers. Adults have a bright red shield on their forehead and a red bill tipped in yellow. This bird typically resides in freshwater

or brackish marshes, ponds, and lakes with a mix of submerged, floating, and emergent vegetation and open water. They also forage in smaller ditches, canals, and rice fields.

Osprey (Pandion haliaetus)

The osprey, also called sea hawk, river hawk, and fish hawk, is a fish-eating bird of prey with a cosmopolitan range. It is a large raptor reaching more than 60 cm in length and 180 cm across the wings. It is brown on the upperparts and predominantly greyish on the head and underparts. The osprey is a large bird that builds it nest near water with abundant fish.

All on-site personnel will be educated about these species and will be instructed to contact the Department immediately if they are encountered in the project area. Personnel will complete the daily inspection form provided in Appendix B. Fliers with photos of the birds and life-history information will be distributed to personnel. The flier will contain contact information for the Department (217.785.5500). State-listed species will not be handled without the appropriate permits pursuant to the Illinois Endangered Species Protection Act. The correspondence from IDNR is provided in Appendix C.

Historic Preservation

This site is not in a location that contains historic preservation areas.

Use of Treatment Chemicals

No polymer flocculants or treatment chemicals will be utilized on-site.

Best Management Practices for Impaired Waters

No receiving waters from the project site are listed under Section 303(d) of the federal Clean Water Act and the Water Quality Planning and Management regulation for suspended solids, turbidity, or siltation.

Waste Disposal

All waste materials will be collected and stored in secure, lidded, metal dumpsters supplied by the local licensed solid waste management company near the construction location. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed. No construction waste materials will be buried on-site. All personnel will be instructed on the correct procedure for waste disposal.

Sanitary/Septic Disposal

An existing structure onsite contains facilities that properly dispose of sanitary/septic wastes. As part of this project, an additional septic tank and septic field will be installed to serve the new garage structure.

MAINTENENCE

Maintenance on all control measures and issues identified during inspections will be performed as necessary. It is the responsibility of the project site manager or his designee to determine when maintenance procedures are needed and verify that the maintenance is performed adequately. Maintenance procedures will be completed within 24 hours from the time that they are noted on the inspection reports. It is the responsibility of the project site manager or his designee to inspect the performance of the procedure and revise as necessary.

The SWPPP will be amended when there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to the waters of the state that was not previously addressed in the SWPPP. It will also be amended when inspections by site, local, state, or federal officials indicate that the SWPPP is not effective in eliminating or minimizing pollutants from the construction site or otherwise achieving the general objectives of controlling pollutants in the storm water discharges that are associated with construction activity.

INSPECTIONS

Endangered Species Protection Inspections

During excavation of topsoil, onsite personnel will perform daily inspections to locate trapped wildlife. If wildlife is found, personnel will follow instructions located on the distributed flier, or contact IDNR for further instructions. The daily inspection form can be found in Appendix B.

Control Inspections

All control measures will be inspected by a qualified individual weekly and following any storm event of 0.5 inches or greater. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit).

Control measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report. Silt fencing will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground. Reseeded grasses will be inspected for bare spots, washouts, and healthy growth.

All equipment will be inspected for leaks. Identified leaks will be repaired as soon as possible, and fluid leaks will be properly cleaned up and disposed of immediately upon discovery. Drip pans will be placed under equipment that is found leaking and cannot be immediately repaired.

A weekly inspection report will be documented. The weekly inspection report is provided in Appendix D. Completed reports will be made available to all local, state, and federal agencies upon request.

CORRECTIVE ACTIONS

If any of the following conditions are identified onsite, corrective action will be taken.

- A stormwater control needs repair or replacement.
- A stormwater control necessary to comply with the requirements of the general permit was never installed or was installed incorrectly.
- Discharges are causing an exceedance of applicable water quality standards.
- A prohibited discharge has occurred.

Corrective action should be completed as soon as possible and documented within 7 days in the weekly inspection report. If it is infeasible to complete the installation or repair within 7 days, the report should document why it is infeasible. Appendix E will be utilized to amend the Plan.

RECORD RETENTION

The property manager will retain copies of the SWPPP and all related reports and inspections for a period of at least 3 years. The property manager will retain copies of the SWPPP and any revisions to said SWPPP at the construction site from the date of project initiation to the date of final stabilization. Any documents referenced in the SWPPP will also be retained at the construction site. This includes the name, company, telephone number, email address, and address of the project site manager or a local contact person. The property manager will also keep the NPDES General Permit provided in Appendix F.

CONTRACTORS

All contractors and subcontractors that will implement the measures identified in the SWPPP must sign a copy of the certification statement provided in Appendix G.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for having knowledge of violations.

_____ _____

Signature Date

Mr. Rodriquez

The below mentioned individuals are responsible for the implementation of part or all of the Storm Water Pollution Prevention Plan components as well as the on-site day-to-day activities at this construction site.

_____ _____

Signature Date

_____

Title

_____ _____

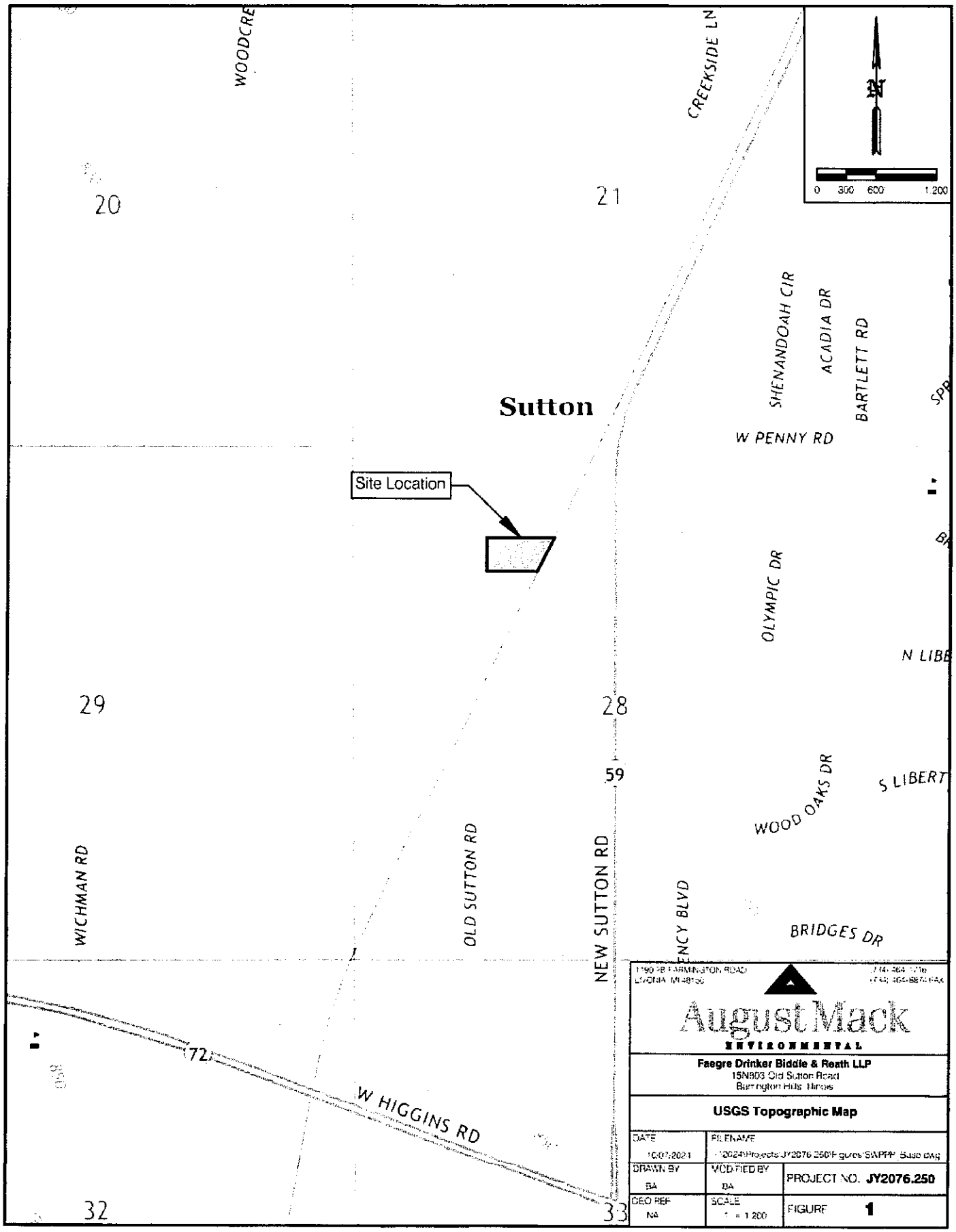
Signature Date

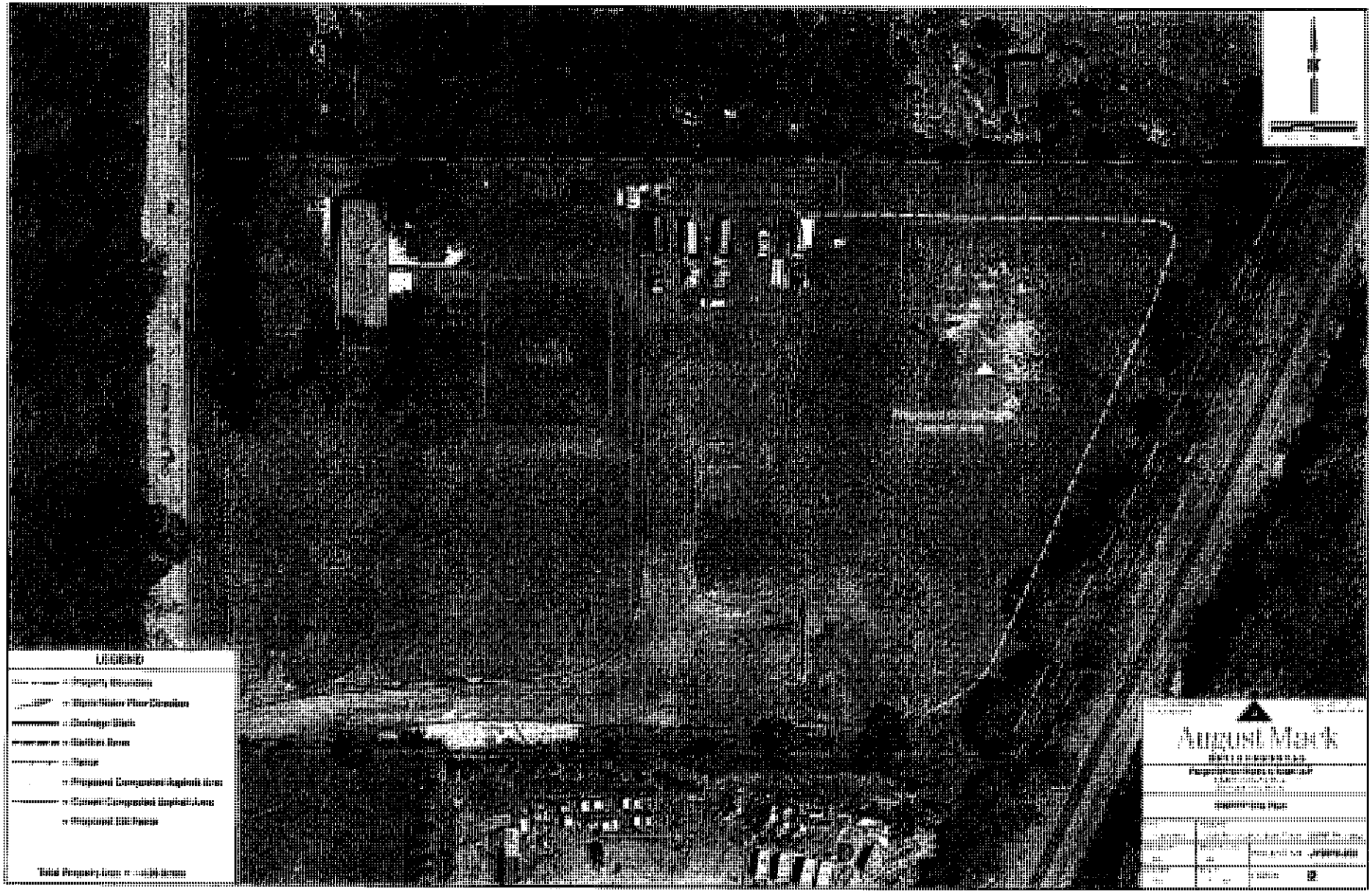
_____

Title

APPENDIX A

Figures


WOODCRE
CREEKSIDE LN
20
21
SHENANDOAH CIR
ACADIA DR
BARTLETT RD
Sutton
W PENNY RD
Site Location
OLYMPIC DR
N LIBE
29
28
59
WOOD OAKS DR
S LIBERT
WICHMAN RD
OLD SUTTON RD
NEW SUTTON RD
BRIDGES DR
172
W HIGGINS RD
32
33
0 300 600 1,200
AugustMack
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
15N803 Old Sutton Road
Barrington Hills, Illinois
USGS Topographic Map
DATE
10/07/2021
FILENAME
DRAWN BY
BA
MODIFIED BY
BA
PROJECT NO. JY2076.250
GEO REF
NA
SCALE
1" = 1,200
FIGURE 1


LEGEND
August Mack

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
293A	Andres silt loam, 0 to 2 percent slopes	0.2	3.2%
531B	Markham silt loam, 2 to 4 percent slopes	4.5	96.8%
Totals for Area of Interest		4.7	100.0%

11900 B FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1716
(734) 464-8874 FAX

AugustMack
ENVIRONMENTAL

Faegre Drinker Biddle & Reath LLP
16N803 Old Sutton Road
Barrington Hills, Illinois

SWPPP Soils Map

DATE: 10/07/2024	FILENAME: I:\2024\Projects\JY2076.250\Figures\SWPPP_Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO: **JY2076.250**
GEO REF: NA	SCALE: Approx. 1" = 60'	FIGURE **3**

APPENDIX B

Endangered Species Protection Daily Inspection Form

Endangered Species Protection Daily Inspection Form

Date: _____

	YES	NO
Excavation Area Inspected for Trapped Wildlife	☐	☐
Trapped Wildlife Encountered	☐	☐
If YES, was the Illinois Department of Natural Resources (IDNR) contacted?	☐	☐

If YES, explain further instructions from IDNR.

_____

_____

Signature (Person Conducting Inspection): _____

APPENDIX C

EcoCat Resource Review Results

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Applicant: Tessah Chappelow
Contact: Tessah Chappelow
Address: 1302 N Meridian
Suite 300
Indianapolis, IN 46202

IDNR Project Number: 2211559
Date: 04/04/2022

Project: 15N803 Old Sutton Road
Address: 15N803 Old Sutton Road, Barrington Hills

Description: Project will consist of adding a barn and additional asphalt to the site

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Black-Billed Cuckoo *(Coccyzus erythropthalmus)*
Common Moorhen *(Gallinula chloropus)*
Osprey *(Pandion haliaetus)*

Location
The applicant is responsible for the accuracy of the location submitted for the project.

County: Cook

Township, Range, Section:
42N, 9E, 28

IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

EcoCAT Receipt

Project Code 2211559

APPLICANT	DATE
Tessah Chappelow Tessah Chappelow 1302 N Meridian Suite 300 Indianapolis, IN 46202	4/4/2022

DESCRIPTION	FEE	CONVENIENCE FEE	TOTAL PAID
EcoCAT Consultation	$ 25.00	$ 1.00	$ 26.00
		TOTAL PAID	$ 26.00

Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
217-785-5500
dnr.ecocat@illinois.gov

APPENDIX D

Weekly Inspection Report

Weekly Site/BMP Inspection Form

Date: _____

Days since last rainfall: _____

Amount of last rainfall _____ inches

Controls in place (please list all controls that are currently in place at the site):

_____

_____

Maintenance Required for Controls (please list necessary maintenance)?

_____

_____

Erosion Present (please indicate location)?

_____

_____

Maintenance Work Completed (please list what was done, by whom, and the date completed):

_____

_____

Is plan still accurate?

_____

Signature (Person Conducting Inspection): _____

APPENDIX E

Plan Amendments Form

Please indicate any amendments that are made to the original Storm Water Pollution Prevention Plan on this page.

Date	Changes Made to the Plan	Page(s)	Initials

APPENDIX F

NPDES General Permit No. ILR10

NPDES Permit No. ILR10

General NPDES Permit No. ILR10

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
www.epa.state.il.us

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

General NPDES Permit
For
Storm Water Discharges From Construction Site Activities

Expiration Date: August 31, 2028

Issue Date: September 13 2023

Effective Date: September 22 2023

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control

Part I. COVERAGE UNDER THIS PERMIT

A. **Permit Area.** The permit covers all areas of the State of Illinois with discharges to any Waters of the United States

B. **Eligibility.**

1. This permit shall authorize all discharges of storm water associated with industrial activity from a construction site that will result in the disturbance of one or more acres total land area or a construction site less than one acre of total land that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area. This permit may authorize discharges from other construction site activities that have been designated by the Agency as having the potential to adversely affect the water quality of Waters of the United States. Where discharges from construction sites were initially covered under the previous version of the ILR10, the Notice of Intent and Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

2. This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

   a. the industrial source other than construction is located on the same site as the construction activity

   b. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit, and

   c. storm water discharges associated with industrial activity from the areas of the site where industrial activities other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or an individual permit authorizing such discharges.

3. **Limitations on Coverage.** The following storm water discharges from construction sites are not authorized by this permit

   a. storm water discharges associated with industrial activities that originate from the site after construction activities have been completed and the site has undergone final stabilization;

   b. discharges that are mixed with sources of non-storm water other than discharges identified in Part III A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV D 5 (Non-Storm Water Discharges) of this permit.

c storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges

d storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard

e storm water discharges that the Agency at its discretion, determines are not appropriately authorized or controlled by this general permit; and

f storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d) (6)

C. **Authorization.**

1 In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below.

2 Where a new contractor is selected after the submittal of an NOI under Part II below, or where site ownership is transferred, the Notice of Intent (NOI) must be modified by the owner in accordance with Part II within 30 days of commencement of work of the new contractor

3 Unless notified by the Agency to the contrary, dischargers who submit an NOI and a stormwater pollution prevention plan (SWPPP) in accordance with the requirements of this permit are authorized to discharge storm water from construction sites under the terms and conditions of this permit in 30 days after the date the NOI and SWPPP are received by the Agency

4 The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information

Part II. NOTICE OF INTENT REQUIREMENTS

A. **Deadlines for Notification.**

1 To receive authorization under this general permit, a discharger must submit a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this Part in sufficient time to allow a 30 day review period after the receipt of the NOI by the Agency and prior to the start of construction. In compliance with the Federal Electronic Reporting Rule, the Agency has transitioned all General Storm Water Permits for Construction Site Activities to the Central Data Exchange (CDX) system NOIs shall be submitted electronically at https://cdx.epa.gov. More information, including registration information for the CDX system can be obtained on the IEPA website, https://epa.illinois.gov/topics/forms/water-permits/storm-water/construction.html.

2. Where discharges associated with construction activities were initially covered under the previous version of ILR10 and are continuing a new NOI and updated/revised Storm Water Pollution Prevention Plan must be submitted within 180 days of the effective date of this reissued permit, as necessary to ensure compliance with the provisions of the reissued ILR10 Updating of the SWPPP is not required if construction activities are completed and a Notice of Termination is submitted within 180 days of the effective date of this permit

3 A discharger may submit an NOI in accordance with the requirements of this Part after the start of construction In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

B. **Failure to Notify.** Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the United States without an NPDES permit are in violation of the Environmental Protection Act and Clean Water Act.

C. **Contents of Notice of Intent** The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information as prompted by the CDX system:

1 The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

2 The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

3 The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal,

4 The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s), the latitude and longitude of the discharge point, and any known impairments and completed TMDLs for the receiving water,

5. The number of any NPDES permits for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit;

6. A description of the project, detailing the complete scope of the project estimated timetable for major activities, an estimate of the number of acres of the site on which soil will be disturbed, an indication of whether or not the installation of stormwater controls will require subsurface earth disturbance, an indication of whether or not the pre-development land was used for agriculture, and an indication of whether or not the project will include demolition of structures built or renovated before January 1, 1980;

7 For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency

agreements with those agencies, the NOI shall indicate that such compliance has occurred.

8. An indication of whether or not polymers, flocculants, cationic treatment chemicals, or other treatment chemicals will be used at the construction site;

9. An electronic copy of the storm water pollution prevention plan that has been prepared for the site in accordance with Part IV of this permit.

10. The notice of intent shall be modified using the COX system for any substantial modifications to the project such as: address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications. The notice of intent shall be modified within 30 days of the modification to the project.

D. **Where to Submit.**

Construction activities which discharge storm water that requires a NPDES permit submit an NOI to the Agency. The applicable fee shall also be submitted. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. The NOI and SWPPP must be submitted to the Agency electronically using the CDX system with digital signature at the following website address: https://cdx.epa.gov. Registration specific to the permittee is required in order to file electronically.

Submit the appropriate fee with the permit ID number assigned during completion of the NOI to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control, Mail Code #15
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

E. **Additional Notification** Construction activities that are operating under approved local sediment and erosion plans, land disturbance permits, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV.D.2.d (Approved State or Local Plans). A copy of the NOI shall be sent to the entity holding an active General NPDES Permit No. ILR40 if the permittee is located in an area covered by an active ILR40 permit.

F. **Notice of Termination.** Where a site has completed final stabilization and all storm water discharges from construction activities that are authorized by this permit are eliminated, the permittee must submit a completed Notice of Termination (NOT) that is signed in accordance with Part VI.G (Signatory Requirements) of this permit. All Notices of Termination are to be submitted to the Agency electronically using the COX system with digital signatures, at the web address listed in Part II.D.

Part III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A **Prohibition on Non-Storm Water Discharges**

1. Except as provided in Part I paragraph B.2 and paragraphs 2, 3 or 4 below, all discharges covered by this permit shall be comprised entirely of storm water.

2. a. Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge.

   b. The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with Part IV.D.5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used, waters used to control dust; potable water sources including uncontaminated waterline flushings; landscape irrigation drainages; routine external building washdown which does not use detergents, pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; uncontaminated air conditioning condensate, uncontaminated spring water; uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

3. The following non-storm water discharges are prohibited by this permit: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.

4. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are allowable if managed by appropriate controls.

   a. Dewatering discharges shall be routed through a sediment control (e.g., sediment trap or basin, pumped water filter bag) designed to minimize discharges with visual turbidity.

   b. The discharge shall not include visible floating solids or foam.

   c. The discharge must not cause the formation of a visible sheen on the water surface, or visible oily deposits on the bottom or shoreline of the receiving water. An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to or expected to contain these materials;

   d. To the extent feasible, use well-vegetated (e.g., grassy or wooded), upland areas of the site to infiltrate dewatering water before discharge. You are prohibited from using receiving waters as part of the treatment area;

   e. To minimize dewatering-related erosion and related sediment discharges, use stable, erosion-resistant surfaces (e.g., well-vegetated

grassy areas, clean filter stone, geotextile underlayment) to discharge from dewatering controls. Do not place dewatering controls, such as pumped water filter bags, on steep slopes (15% or greater in grade).

f Backwash water (water used to backwash/clean any filters used as part of stormwater treatment) must be properly treated or hauled off site for disposal; and

g Dewatering treatment devices shall be properly maintained

B **Discharges into Receiving Waters with an Approved Total Maximum Daily Load (TMDL):**

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless the owner/operator develops and certifies a SWPPP that is consistent with wasteload allocations in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions and/or Best Management Practices applicable to their discharges necessary for consistency with the TMDL within any timeframes established in the TMDL. If a specific numeric waste load allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation.

Please refer to the Agency website at: https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls/reports.html

C In the absence of information demonstrating otherwise, it is expected that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If at any time you become aware, that discharges are not being controlled as necessary to meet applicable water quality standards, you must take corrective action as required in Part IV.D.5 of this Permit. Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of best management practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. **Deadlines for Plan Preparation and Compliance**

The plan shall

1. Be completed prior to the start of the construction activities to be covered under this permit and submitted electronically to the Agency at the time the Notice of Intent is submitted; and

2. Provide for compliance with the terms and schedules of the plan beginning with the initiation of construction activities

B. **Signature, Plan Review and Notification.**

1. The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained at the construction site which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit. If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site

2. Prior to commencement of construction, the permittee shall provide the plan to the Agency

3. The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system. A list of permitted municipal separate storm sewer systems is available at https://epa.illinois.gov/topics/forms/water-permits/storm-water/urbanized-area-list.html

4 The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit

5 A copy of the letter of notification of coverage along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit)

6 All storm water pollution prevention plans and all completed inspection forms/reports required under this permit are considered reports that shall be available to the public within 30 days upon request. If a storm water pollution prevention plan or inspection form/report cannot be provided, the permittee shall respond to the request within 30 days with a statement that explains why the document cannot be provided. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2

C **Keeping Plans Current** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the United States and which has not otherwise been addressed in the plan, or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure

of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV B above. The SWPPP and site map must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the storm water pollution prevention plan shall be kept on site at all times.

D. **Contents of Plan.** The storm water pollution prevention plan shall include the following items:

1. **Site Description.** Each plan shall provide a description of the following:

   a. A description of the nature of the construction activity or demolition work;

   b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g., clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils, on-site or off-site storage of materials);

   c. An estimate of the total area of the site and the total area of the site that is expected to be disturbed by clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils and storage of materials, or other activities;

   d. An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

   e. A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, locations of on-site or off-site soil stockpiling or material storage, surface waters (including wetlands), and locations where storm water is discharged to a surface water or MS4. For sites discharging to an MS4, a separate map identifying the location of the construction site and the location where the MS4 discharges to surface water must also be included; and

   f. The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.

2. **Controls.** Each plan shall include a description of appropriate controls that will be implemented at the construction site and any off-site stockpile or storage area unless already authorized by a separate NPDES permit. The plan shall include details or drawings that show proper installation of controls and BMPs. The Illinois Urban Manual https://illinoisurbanmanual.org/ or other similar documents shall be used for developing the appropriate management practices, controls or revisions of the plan. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained and/or repaired until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization. The description of controls shall address as appropriate the following minimum components:

   a. **Erosion and Sediment Controls.** The permittee shall design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:

      (i) Control storm water volume and velocity within the site to minimize soil erosion;
      (ii) Control storm water discharges, including both peak flowrates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;
      (iii) Minimize the amount of soil exposed during construction activity through the use of project phasing or other appropriate techniques;
      (iv) Minimize the disturbance of steep slopes;
      (v) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site. Install sediment controls along any perimeter areas of the site that are downslope from any exposed soil or other disturbed areas, with both ends of the perimeter control installed upslope (e.g., at 45 degrees) to prevent stormwater from circumventing the edge of the perimeter control. After a storm event, if there is evidence of stormwater circumventing or undercutting the perimeter control, extend controls and/or repair undercut areas to fix the problem;
      (vi) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infiltration would be inadvisable due to the underlying geology (e.g., karst topography) and ground water contamination concerns, or infeasible due to site conditions;
      (vii) Minimize soil compaction and, unless infeasible, preserve topsoil;
      (viii) Minimize sediment track-out. Where sediment has been tracked out from your site onto paved roads, sidewalks, or other paved areas outside of your site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any Water of the U.S., or to any stormwater conveyance or storm drain inlet, or constructed or natural site drainage features, unless the feature is connected to a sediment basin, sediment trap, or similarly effective control; and;
      (ix) Minimize dust. On areas of exposed soils, minimize the generation of dust through the appropriate application of water or other dust suppression techniques.

   b. **Stabilization Practices.** The storm water pollution prevention plan shall include a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where practicable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated, shall be included in the plan. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working

day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Exceptions to these time frames are specified as provided in paragraphs (i) and (ii) below:

(i) Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
(ii) On areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used. Temporary stabilization techniques and materials shall be described in the SWPPP.
(iii) Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.

c. **Structural Practices.** A description of structural practices utilized to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.

(i) The following design requirements apply to sediment basins if such structural practices will be installed to reduce sediment concentrations in storm water discharges:

a. When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize the discharge.
b. Minimize erosion of the sediment basin using stabilization controls (e.g., erosion control blankets), at the inlet and outlet using erosion controls and velocity dissipation devices.
c. Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.

(ii) The following requirements apply to protecting storm drain inlets:
a. Install inlet protection measures that minimize sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet; and
b. Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.
c. Where inlet protection measures are not required because the storm drain inlets to which your site discharges are conveyed to a sediment basin, sediment trap, or similarly effective control, include a short description of the control that receives the stormwater flow from the site.

d. **Use of Treatment Chemicals.** Identify the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified along with any information from any Material Safety Data Sheet. Describe the location of all storage areas for chemicals. Include any information from the manufacturer's specifications. Treatment chemicals must be stored in areas where they will not be exposed to precipitation. The SWPPP must describe procedures for use of treatment chemicals and staff responsible for use/application of treatment chemicals must be trained on the established procedures.

e. **Best Management Practices for Impaired Waters.** For any site which discharges directly to an impaired water identified on the Agency's website for 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria. Please refer to the Agency's website at: https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls/303d-list.html

f. **Pollution Prevention.** The permittee shall design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
(ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water. Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or when exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);
(iii) Minimize the exposure of fuel, oil, hydraulic fluids, other petroleum products, and other chemicals by storing in covered areas or containment areas. Any chemical container with a storage of 55 gallons or more must be stored a minimum of 50 feet from receiving waters, constructed or natural site drainage features, and storm drain inlets. If infeasible due to site constraints, store containers as far away as the site permits and document in your SWPPP the specific reasons why the 50-foot setback is infeasible and how the containers will be stored; and
(iv) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

g. **Other Controls.**

(i) Waste Disposal. No solid materials, including building materials, shall be discharged to Waters of the United States, except as authorized by a Section 404 permit.
(ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
(iii) For construction sites that receive concrete or asphalt from off-site locations, the plan must identify and include appropriate controls and measures to reduce or eliminate discharges from these activities.
(iv) The plan shall include spill response procedures and provisions for reporting if there are releases in excess of reportable quantities.
(v) The plan shall ensure that regulated hazardous or toxic waste must be stored and disposed in accordance with any applicable State

and Federal regulations.

h **Best Management Practices for Post-Construction Storm Water Management** Describe the measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable The installation of these devices may be subject to Section 404 of the CWA This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

(i) While not mandatory, it is advisable that the permittee consider including in its storm water pollution prevention plan and design and construction plans methods of post-construction storm water management to retain the greatest amount of post-development storm water run-off practicable, given the site and project constraints Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff onsite, and sequential systems (which combine several practices). Technical information on many post-construction storm water management practices is included in the Illinois Urban Manual (2017).

The storm water pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where post-construction flows will exceed predevelopment levels

(ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e g maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

(iii) Unless otherwise specified in the Illinois Urban Manual (2017), the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event

i **Approved State or Local Plans**

(i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in the Illinois Urban Manual, (2017). Construction activities which discharge storm water must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion control plans or storm water management plans approved by local officials Requirements specified in sediment and erosion control plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

(ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

j **Natural Buffers.** For any stormwater discharges from construction activities within 50 feet of a Waters of the United States, except for activities for water-dependent structures authorized by a Section 404 permit, the permittee shall

(i) Provide a 50-foot undisturbed natural buffer between the construction activity and the Waters of the United States, or
(ii) Provide additional erosion and sediment controls within that area

3. **Maintenance.**

a. The plan shall include a description of procedures to maintain in good and effective operating conditions, all erosion and sediment control measures and other Best Management Practices, including vegetation and other protective measures identified in the Storm Water Pollution Prevention Plan.

b Where a basin has been installed to control sediment during construction activities, the Permittees shall keep the basin(s) in effective operating condition and remove accumulated sediment as necessary Sediment shall be removed in accordance with the Illinois Urban Manual (2017) or more frequently Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place

c Other erosion and sediment control structures shall be maintained and cleaned as necessary to keep structure(s) in effective operating condition, including removal of excess sediment as necessary

4. **Inspections.** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm or by the end of the following business or work day that is 0 50 inches or greater Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment controls measures, such as a licensed Professional Engineer (P.E.) a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI), a Certified Stormwater Inspector (CSI), a person that has successfully completed the Federal CGP Inspector Training offered by USEPA, or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within 72 hours of becoming accessible

a. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit). Weekly inspections will recommence when construction activities are conducted, or if there is a 0.50 inches or greater rain event, or a discharge due to snowmelt occurs

b. Disturbed areas, areas used for storage of materials that are exposed to precipitation and all areas where stormwater typically flows within the site shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. All locations where stabilization measures have been implemented shall be observed to ensure that they are still stabilized. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

c. For sites discharging dewatering water, you must conduct an inspection during the discharge, once per day on which the discharge occurs and record the following in a report within 24 hours of completing the inspection:

(i) The inspection date;
(ii) Names and titles of personnel performing the inspection;
(iii) Approximate times that the dewatering discharge began and ended on the day of inspection;
(iv) Estimates of the rate (in gallons per day) of discharge on the day of inspection;
(v) Whether or not any of the following indications of pollutant discharge were observed at the point of discharge: a sediment plume, suspended solids, unusual color, presence of odor, decreased clarity, or presence of foam; and/or a visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water.

d. Based on the results of the inspection, the description of potential pollutant sources identified in the storm water pollution prevention plan in accordance with Part IV.D.1 (Site Description) of this permit and the pollution prevention control measures identified in the plan in accordance with Part IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection to minimize the potential for such discharges. Such modifications shall provide for timely implementation of any changes to the plan and pollution prevention control measures within 7 calendar days following the inspection

e. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. All inspection reports shall be retained at the construction site. The report shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit. Any flooding or other unsafe conditions that delay inspections shall be documented in the inspection report

f. The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax (see Attachment A) within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. Corrective actions must be undertaken immediately to address the identified non-compliance issue(s).

g. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements).

h. After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of noncompliance shall be mailed to the Agency at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

5. **Corrective Actions.** You must take corrective action to address any of the following conditions identified at your site

a. A stormwater control needs repair or replacement; or

b. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly, or

c. Your discharges are causing an exceedance of applicable water quality standards; or

d. A prohibited discharge has occurred.

Corrective Actions shall be completed as soon as possible and documented within 7 days in an Inspection Report or report of noncompliance. If it is infeasible to complete the installation or repair within seven (7) calendar days, you must document in your records why it is infeasible to complete the installation or repair within the 7-day timeframe and document your schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe.

In the event that maintenance is required for the same stormwater control at the same location three or more times, the control shall be repaired in a manner that prevents continued failure to the extent feasible, and you must document the condition and how it was repaired in your records. Alternatively, you must document in your records why the specific reoccurrence of this same issue should continue to be addressed as a routine maintenance fix.

6 **Non-Storm Water Discharges.** Except for flows from fire fighting activities, sources of non-storm water listed in Part III A 2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. **Additional requirements for storm water discharges from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants.** This permit may only authorize any storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

1. The industrial source other than construction is located on the same site as the construction activity;

2. Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit, and

3. Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants [other than asphalt emulsion facilities] and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

F. Contractors.

1. The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractors.

2. **Certification Statement.** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph 1 above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

> "I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

The certification must include the name and title of the person providing the signature in accordance with Part VI G of this permit; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

Part V. RETENTION OF RECORDS

A. The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, records of all data used to complete the Notice of Intent to be covered by this permit and the Agency Notice of Permit Coverage letter for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.

B. The permittee shall retain a copy of the storm water pollution prevention plan and any revisions to said plan required by this permit at the construction site from the date of project initiation to the date of final stabilization. Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site.

Part VI. STANDARD PERMIT CONDITIONS

A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Illinois Environmental Protection Act and the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Failure to obtain coverage under this permit or an individual permit for storm water releases associated with construction activities is a violation of the Illinois Environmental Protection Act and the CWA.

B. **Continuation of the Expired General Permit.** This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those construction activities authorized to discharge under the expiring general permit are covered by the continued permit.

C. **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. **Duty to Provide Information.** The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans, or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans, or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of all records required to be kept by this permit.

F. **Other Information.** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.

G. **Signatory Requirements.** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the

Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.

1. All Notices of Intent shall be signed as follows:

   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or (2) any person authorized to sign documents that has been assigned or delegated said authority in accordance with corporate procedures;

   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

   c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if

   a. The authorization is made in writing by a person described above and submitted to the Agency.

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

   c. **Changes to Authorization.** If an authorization under Part I.C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of Part I.C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

   d. **Certification.** Any person signing documents under this Part shall make the following certification.

      "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. **Penalties for Falsification of Reports.** Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

I. **Penalties for Falsification of Monitoring Systems.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

J. **Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA.

K. **Property Rights.** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

L. **Severability.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

M. **Transfers.** This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C (Authorization).

N. **Requiring an Individual Permit or an Alternative General Permit**

1. The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II.D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:

   a. information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6),

   b. whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing,

   c. size of construction site, proximity of site to the receiving stream, etc.

   The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.

2. Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II.D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

3. When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.

O. **State/Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

P. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all construction activities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

Q. **Inspection and Entry.** The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

   1. Enter upon the permittee's premises where a regulated construction activity is located or conducted, or where records must be kept under the conditions of this permit;

   2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

   3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

   4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

R. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

S. **Bypasses and Upsets.** The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

Part VII. REOPENER CLAUSE

A. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit (in accordance with Part I. C. Authorization) of this permit or the permit may be modified to include different limitations and/or requirements.

B. Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

C. The Agency will reopen and modify this permit under the following circumstances:

   1. the U.S. EPA amends its regulations concerning public participation;

2. a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit Court of Appeals issues an order necessitating a modification of public participation for general permits; or

3. to incorporate federally required modifications to the substantive requirements of this permit

Part VIII. DEFINITIONS

"Agency" means the Illinois Environmental Protection Agency

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
"Commencement of Construction or Demolition Activities" The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction or demolition activities

"Common Plan of Development or Sale" A contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one common plan. The "common plan" of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating construction activities may occur on a specific plot.

"Construction Activities" Earth disturbing activities, such as clearing, grading and excavation of land. For purposes of this permit, construction activities also means construction site, construction site activities, or site. Construction activities also include any demolition activities at a site.

"Construction Site" or "Site" The land or water area where construction activities will occur and where stormwater controls will be installed and maintained. The construction site includes construction support activities, which may be located at a different part of the property from where the primary construction activity will take place, or on a different piece of property altogether.

"Construction Support Activity" A construction-related activity that specifically supports the construction activity and involves earth disturbance or pollutant-generating activities of its own, and can include activities associated with concrete or asphalt batch plants, equipment staging yards, materials storage areas, excavated material disposal areas, and borrow areas.

"Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit.

"CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

"Dedicated portable asphalt plant" A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

"Dedicated portable concrete plant" A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

"Dedicated sand or gravel operation" An operation that produces sand and/or gravel for a single construction project.

"Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and either of the two following conditions are met:

(i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or

(ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed

For individual lots in residential construction, final stabilization means that either:

(i) The homebuilder has completed final stabilization as specified above, or

(ii) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.

"Impairment" is the status of a surface water in which an applicable water quality standard is not being attained for a particular pollutant.

"Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

(i) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or

(ii) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or

(iii) Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

NPDES Permit No. ILR10

"NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

"NOT" means notice of termination of coverage by this permit (See Part II of this permit.)

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm Water Control" means any best management practice or other method (including narrative effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the United States.

"Total Maximum Daily Loads (TMDLs)" The calculation of the maximum amount of a pollutant allowed to enter a waterbody so that the waterbody will meet and continue to meet water quality standards for that particular pollutant. A TMDL determines a pollutant reduction target and allocates load reductions necessary to the source(s) of the pollutant.

"Turbidity" means a condition of water quality characterized by the presence of suspended solids and/or organic material.

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

"Work day" for the purpose of this permit, a work day is any calendar day on which construction activities will take place.

Attachment A

Division of Water Pollution Control
Regions by County

Des Plaines Region (FOS 2) Manager 847/294-4000

Boone	Cook	DeKalb	DuPage	Grundy	Jo Daviess
Kane	Kankakee	Kendall	Lake	Lee	McHenry
Ogle	Stephenson	Will	Winnebago		

Peoria Region (FOS 3) Manager 309/671-3022

Bureau	Carroll	Fulton	Hancock	Henderson	Henry
Knox	LaSalle	Marshall	McDonough	Mercer	Peoria
Putnam	Rock Island	Stark	Tazewell	Warren	Whiteside
Woodford					

Champaign Region (FOS 4) Manager 217/278-5800

Champaign	Clark	Coles	Crawford	Cumberland	DeWitt
Douglas	Edgar	Effingham	Ford	Iroquois	Jasper
Livingston	Macon	McLean	Moultrie	Piatt	Shelby
Vermilion					

Springfield Region (FOS 5) Manager 217/557-8761

Adams	Brown	Calhoun	Cass	Christian	Green
Jersey	Logan	Macoupin	Mason	Menard	Montgomery
Morgan	Pike	Sangamon	Schuyler	Scott	

Collinsville Region (FOS 6) Manager 618/346-5120

Bond	Clinton	Fayette	Madison	Marion	Monroe
Randolph	St. Clair	Washington			

Marion Region (FOS 7) Manager 618/993-7200

Alexander	Clay	Edwards	Franklin	Gallatin	Hamilton
Hardin	Jackson	Jefferson	Johnson	Lawrence	Massac
Perry	Pope	Pulaski	Richland	Saline	Union
Wabash	Wayne	White	Williamson		

Attachment H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act 415 ILCS 5 as Amended

Agency means the Illinois Environmental Protection Agency

Board means the Illinois Pollution Control Board

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended 33 U S C 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying revoking and reissuing terminating monitoring and enforcing permits, and imposing and enforcing pretreatment requirements under Sections 307 402, 318 and 405 of the Clean Water Act

USEPA means the United States Environmental Protection Agency

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24-Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8-Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

(1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance modification, or for denial of a permit renewal application The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements

(2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

(3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

(6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

(7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.

(8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry**. The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.

(c) Records of monitoring information shall include:

(1) The date, exact place, and time of sampling or measurements;

(2) The individual(s) who performed the sampling or measurements;

(3) The date(s) analyses were performed;

(4) The individual(s) who performed the analyses;

(5) The analytical techniques or methods used; and

(6) The results of such analyses.

(d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement** All applications, reports or information submitted to the Agency shall be signed and certified.

(a) **Application**. All permit applications shall be signed as follows:

(1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

(b) **Reports**. All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in paragraph (a); and

(2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and

(3) The written authorization is submitted to the Agency.

(c) **Changes of Authorization**. If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d) **Certification**. Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

(12) **Reporting requirements.**

(a) **Planned changes**. The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
Notice is required when:

(1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or

(2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).

(3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

(b) **Anticipated noncompliance**. The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) **Transfers**. This permit is not transferable to any person except after notice to the Agency.

(d) **Compliance schedules**. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date

(e) **Monitoring reports**. Monitoring results shall be reported at the intervals specified elsewhere in this permit

(1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

(2) If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR

(3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(f) **Twenty-four hour reporting** The permittee shall report any noncompliance which may endanger health or the environment Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit

(2) Any upset which exceeds any effluent limitation in the permit.

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.

(g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).

(h) **Other Information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Bypass.**

(a) Definitions.

(1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

(2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

(b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).

(c) Notice.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).

(d) Prohibition of bypass.

(1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:

(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance, and

(iii) The permittee submitted notices as required under paragraph (13)(c)

(2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).

(14) **Upset**

(a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

(b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

(c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated; and

(3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).

(4) The permittee complied with any remedial measures required under paragraph (4).

(d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

(15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:

(a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

(b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:

(1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date,
(2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
(3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.

(16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
(1) One hundred micrograms per liter (100 ug/l);
(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
(3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
(4) The level established by the Agency in this permit
(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.

(17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
(a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
(b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
(c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

(18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
(a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
(b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
(c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.

(19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.

(20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.

(21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.

(22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than one year, or both.
Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).

(23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both

(24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

(26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.

(27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.

(28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

(Rev. 7-9-2010 bah)

APPENDIX G

Contractors Certification Form

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construct site identified as part of this certification.

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

H
TRAFFIC STUDY

Kenig,Lindgren,O'Hara,Aboona,Inc.

9575 West Higgins Road, Suite 400 | Rosemont, Illinois 60018
p: 847-518-9990 | f: 847-518-9987

MEMORANDUM TO: Anabel Abarca
Faegre Drinker Riddle & Reath LLP

FROM: Shahrzad Ainkeshavarzi
Consultant

Brendan May, PE, PTOE
Senior Consultant

Luay R. Aboona, PE, PTOE
Principal

DATE: June 20, 2022

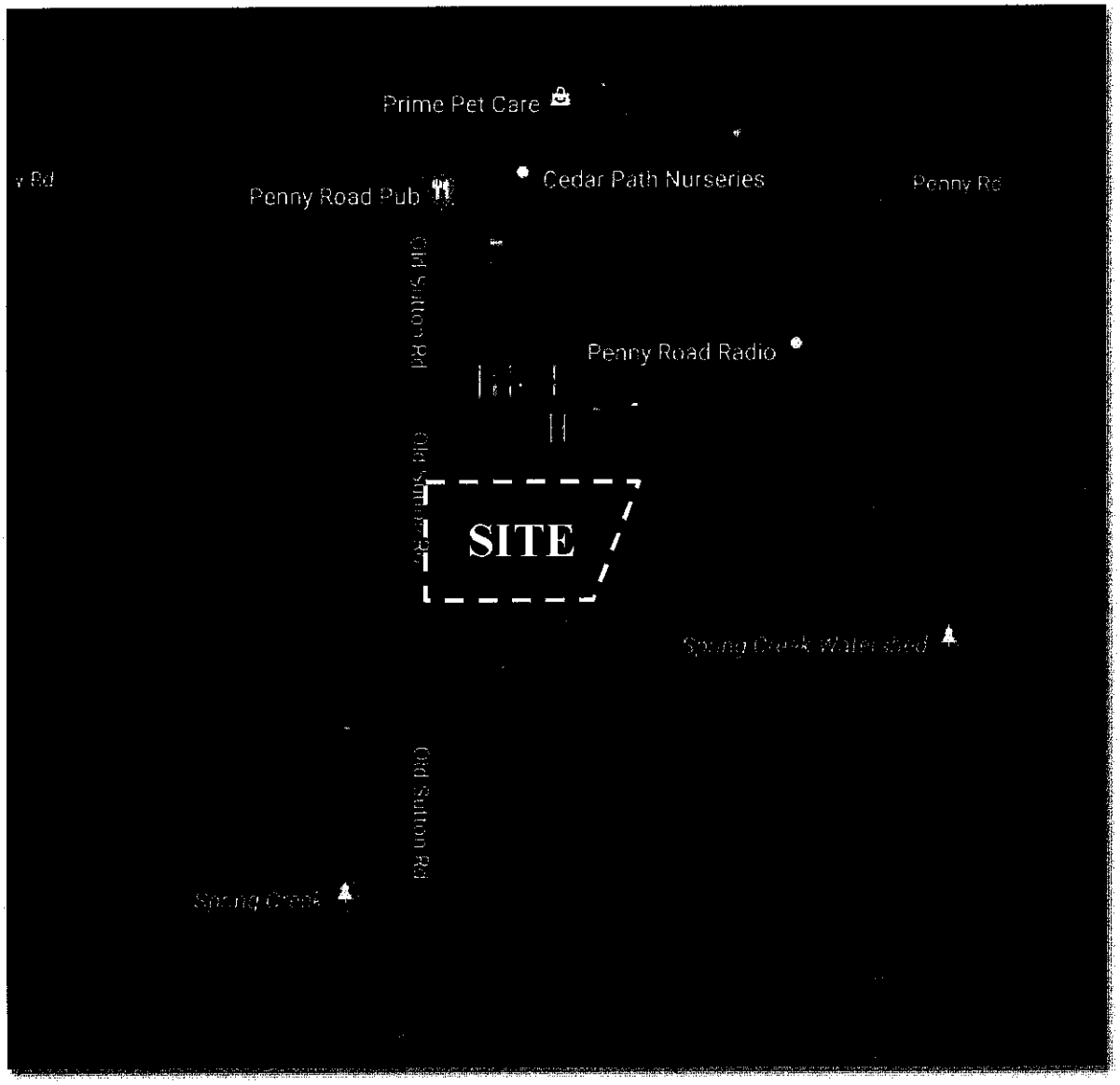
SUBJECT: Traffic Impact Study
Special Use Permit
Unincorporated Cook County, Illinois

This memorandum summarizes the results and findings of a traffic impact study conducted by Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA, Inc.) for the proposed material handling development located at 15N803 Old Sutton Road in unincorporated Cook County, Illinois. The site will be located on the east side of Old Sutton Road, approximately one-quarter of a mile south of the intersection of Old Sutton Road with Penny Road. Land uses adjacent to the site include commercial/industrial areas to the north and south, the Spring Lake area of Cook County Forest Preserve District to the west, and the Elgin, Joliet and Eastern Railroad right-of-way to the east. **Figure 1** shows an aerial view of the site. As proposed, the site will be developed with an approximately 2,700 square-foot building in a one-acre area that will be utilized for a material hauling business and to store work dump trucks. Up to 50 trucks would be stored on site. Access to the site will be provided via a single access drive off Old Sutton Road. The purpose of this evaluation is to assess the impact that the proposed development will have on traffic conditions in the area and determine if any roadway or access improvements are necessary to accommodate traffic generated by the site.

Existing Traffic Conditions

The following provides a detailed description of the physical characteristics of the roadways including geometry and traffic control and average daily traffic volumes along the adjacent roadways.

Old Sutton Road is a north-south local roadway that in the vicinity of the site provides one lane in each direction. Within the vicinity of the site, Old Sutton Road provides one travel lane in each direction. Old Sutton Road is under the jurisdiction of Cook County, carries an annual average daily traffic (AADT) volume of 2,000 vehicles (IDOT 2018), and has a posted speed limit of 35 miles per hour.



Aerial View of Site **Figure 1**

Penny Road is an east-west major collector roadway that in the vicinity of the site provides one lane in each direction. At its all-way stop sign-controlled intersection with Old Sutton Road, Penny Road provides a combined left-turn/through/right-turn lane on the eastbound and westbound approaches. Penny Road carries an AADT volume of 2,650 vehicles east of Old Sutton Road (IDOT 2018) and 2,800 vehicles west of Old Sutton Road (IDOT 2018). Penny Road is under the jurisdiction of Cook County and has a posted speed limit of 40 miles per hour.

Existing Traffic Volumes

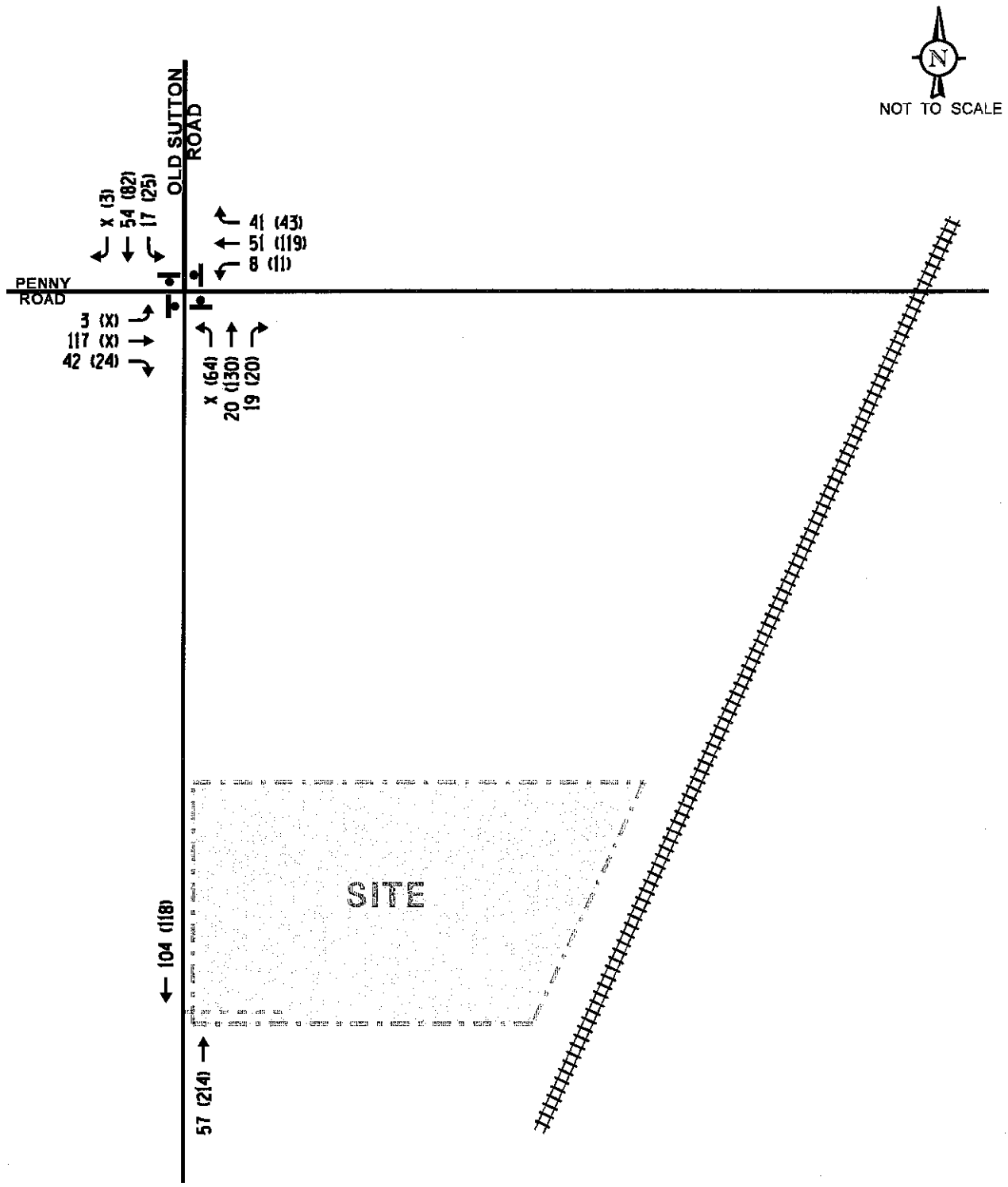
Traffic counts were conducted by KLOA, Inc. on Wednesday, October 13, 2021 at the intersection of Old Sutton Road with Penny Road. The counts were conducted during the weekday morning (7:00 A.M. to 9:00 A.M.) and weekday evening (4:00 P.M. to 6:00 P.M.) peak periods. The results of the traffic counts show that the weekday morning peak hour generally occurs between 7:15 A.M. and 8:15 A.M. and the weekday evening peak hour generally occurs between 4:00 P.M. and 5:00 P.M. The 2021 counts were adjusted based on a comparison with two-way traffic counts from 2018 available on the Illinois Department of Transportation (IDOT) Traffic Count Database System (TCDS). These counts were increased to 2021 by applying a yearly background growth rate for three years. Based on this comparison, the traffic volumes during the weekday morning peak hour were increased by 10 percent and the traffic volumes during the weekday evening peak hour were increased by 40 percent. **Figure 2** illustrates the Year 2021 base traffic volumes, inclusive of the two-way traffic on Old Sutton Road within the vicinity of the proposed access drive. Copies of the traffic count summary sheets are included in the Appendix.

Traffic Characteristics of the Proposed Site

The plans call for developing the site for a material hauling business and its related vehicle storage. Based on the information provided by the operator, the facility will be open approximately from 6:00 A.M. to 6:00 P.M. and will have one employee on site full-time. An additional fifty employees will arrive at the site in the morning, leave in a truck stored on the site, then return in the afternoon before switching to their personal vehicle to leave the site for the day. No more than 50 trucks would be on site at any time. The trucks will enter and exit the property during the hours of 6:00 A.M. to 8:00 A.M. and 4:00 P.M. to 6:00 P.M., Monday through Friday. There will be occasional maintenance of trucks on Saturday and no activity on Sunday. Access to the proposed facility will be provided via a proposed access drive off Old Sutton Road approximately one-quarter of a mile south of Penny Road. Outbound movements from the access drive onto Old Sutton Road should be under stop sign control.

Directional Distribution

The directions from which traffic generated by the material hauling business will approach and depart the site were estimated based on existing travel patterns, as determined from the traffic counts, which indicated that approximately 60 percent of traffic will travel to/from the south on Old Sutton Road with 40 percent traveling to the north towards the intersection of Old Sutton Road with Penny Road. Twenty percent will travel to/from the east on Penny Road, ten percent will travel to/from the north on Old Sutton Road, and ten percent will travel to/from the west on Penny Road.



LEGEND

00 - AM PEAK HOUR (7:00-8:00 AM)

(00) - PM PEAK HOUR (4:30-5:30 PM)

Special Use Permit Unincorporated Cook County, Illinois	Existing Traffic Volumes	KLOA Kenig,Lindgren,O'Hara,Aboono,Inc. Job No: 21-159 Figure: 2

Development Traffic Generation

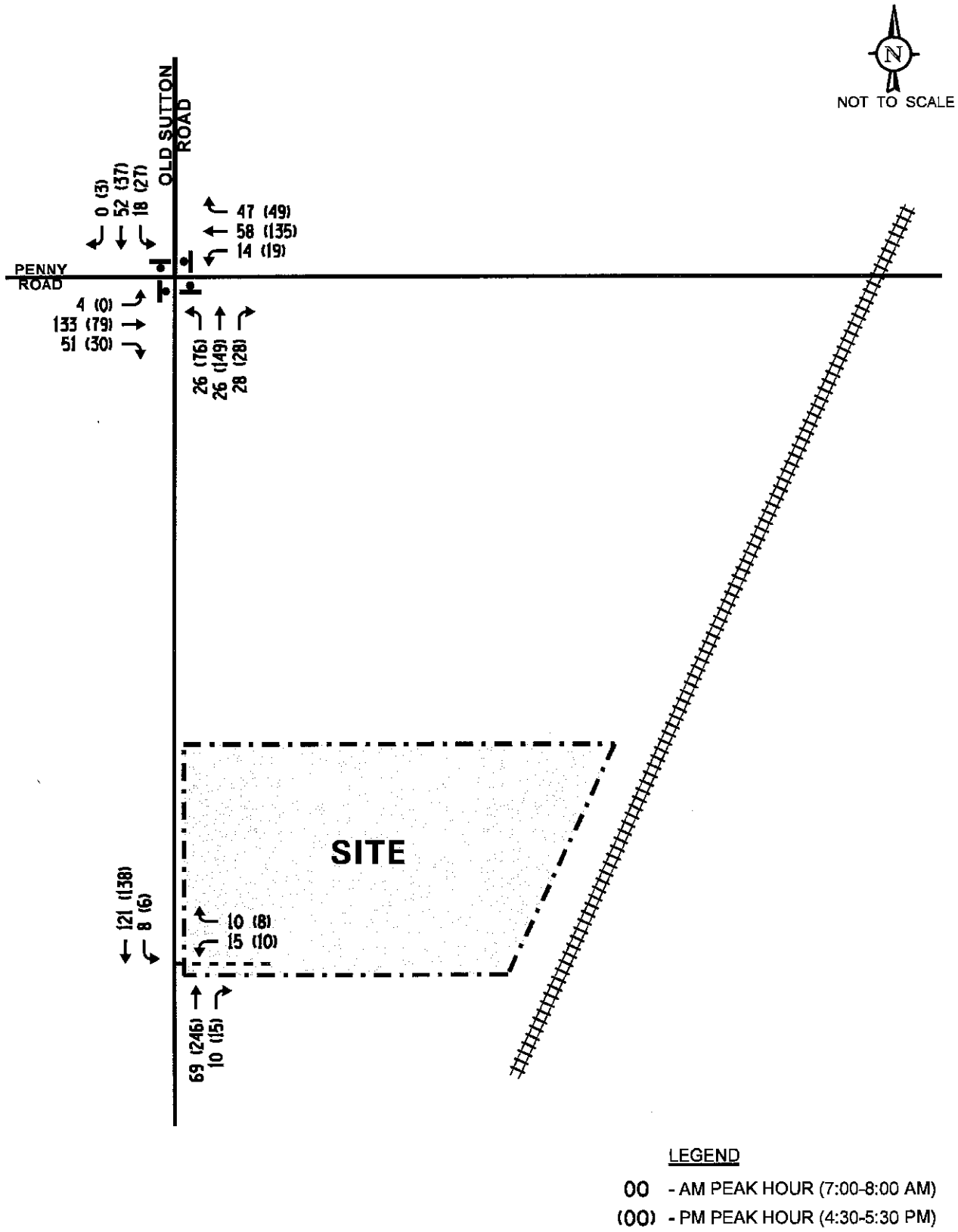
The volume of traffic to be generated by the proposed facility was estimated based on the information provided by the operator. As previously described, no more than 50 trucks would be on site at any time. The trucks will enter and exit the property during the hours of 6:00 A.M. and 8:00 A.M. and 4:00 P.M. and 6:00 P.M. For the purposes of this evaluation, it was assumed that 25 trucks depart the facility during the weekday morning peak hour and arrive at the facility during the weekday evening peak hour. Additionally, it was assumed that the truck drivers would arrive in a personal vehicle with 30 percent of truck drivers carpooling. **Table 1** summarizes the trip generation for the weekday morning and evening peak hours.

Table 1
ESTIMATED PEAK HOUR SITE-GENERATED TRAFFIC VOLUMES

Vehicle Type	Weekday Morning Peak Hour			Weekday Evening Peak Hour		
	In	Out	Total	In	Out	Total
Passenger Vehicles	18	0	18	0	18	18
Trucks	0	25	25	25	0	25
Total	**18**	**25**	**43**	**25**	**18**	**43**

Total Projected Traffic Conditions

The existing traffic volumes were increased by a regional growth factor to account for the increase in existing traffic related to regional growth in the area (i.e., not attributable to any particular planned development). Based on AADT projections provided by the Chicago Metropolitan Agency for Planning (CMAP) in a letter dated July 26, 2021, the existing traffic volumes are projected to increase by a compound annual growth rate of 1.4 percent per year. As such, the existing traffic volumes were increased by thirteen percent (one-year buildout plus five years) and added to the site-generated traffic volumes to represent Year 2027 conditions. Additionally, the traffic volumes generated by a proposed truck parking facility located just north of the site, in the southeast quadrant of the intersection of Old Sutton Road with Penny Road, were included in the Year 2027 projected conditions as shown in **Figure 3**. A copy of the CMAP letter is included in the Appendix.



Special Use Permit
Unincorporated
Cook County, Illinois

Year 2027 Total Projected Traffic Volumes

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.

Job No: 21-159 Figure: 3

Traffic Evaluation

The traffic analyses were performed using the methodologies outlined in the Transportation Research Board's *Highway Capacity Manual (HCM)*, 6th Edition and analyzed using Synchro/SimTraffic 11 software. The analyses for the unsignalized intersections determine the average control delay to vehicles at an intersection. Control delay is the elapsed time from a vehicle joining the queue an intersection (includes the time required to decelerate to a stop) until its departure from the intersection and resumption of free flow speed. The ability of an intersection to accommodate traffic flow is expressed in terms of level of service, which is assigned a letter from A to F based on the average control delay experienced by vehicles passing through the intersection. Summaries of the traffic analysis results showing the level of service and overall intersection delay (measured in seconds) for the existing conditions are presented in **Table 2** and the results for the projected conditions are shown in **Table 3**. The *Highway Capacity Manual* definitions for levels of service and the corresponding control delay for unsignalized intersections and copies of the capacity analysis summary sheets are included in the Appendix.

Table 2
CAPACITY ANALYSIS RESULTS – YEAR 2021 BASE TRAFFIC VOLUMES

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Penny Road with Old Sutton Road[1]				
• Overall	A	9.5	A	9.6
• Eastbound Approach	B	11.5	A	8.7
• Westbound Approach	A	8	A	9.8
• Northbound Approach	A	8.2	B	10.1
• Southbound Approach	A	8.4	A	9

LOS = Level of Service
Delay is measured in seconds.

1 – All-way stop control

Table 3
CAPACITY ANALYSIS RESULTS – YEAR 2027 TOTAL PROJECTED TRAFFIC VOLUMES

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Penny Road with Old Sutton Road[1]				
• Overall	B	10.6	B	12
• Eastbound Approach	B	12.5	A	10
• Westbound Approach	A	9.5	B	13.2
• Northbound Approach	A	9.1	B	12.7
• Southbound Approach	A	9.2	B	10.5
Old Sutton Road with Access Drive[2]				
• Westbound Approach	B	10.8	B	12
• Southbound Left Turn	A	7.4	A	9.1

LOS = Level of Service
Delay is measured in seconds.

1 – All-way stop control
2 – Two-way stop control

Penny Road with Old Sutton Road

The results of the capacity analysis indicate that overall, this intersection currently operates at Level of Service (LOS) A during the weekday morning and evening peak hours with all approaches operating at LOS B or better. Under Year 2027 total projected conditions, the intersection is projected to operate at LOS B during both the weekday morning and evening peak hours. All approaches are projected to operate at LOS B or better during the peak hours with increases in delay of less than two seconds with the exception of the westbound approach, which will experience an increase of three seconds. As such, this intersection has sufficient reserve capacity to accommodate the traffic estimated to be generated by the proposed development.

Old Sutton Road with Access Drive

Under Year 2027 total projected conditions due to the new developments, the westbound approach is projected to operate at LOS B during the weekday morning and weekday evening peak hours, while the southbound left-turn movement is projected to operate at LOS A during both peak hours. The projected traffic volumes were compared to the left-turn and right-turn lane warrants published by IDOT in Chapter 36 of the *Bureau of Design and Environment* (BDE) Manual, and the results indicated that a left-turn lane will not be warranted during either peak hour. The left-turn lane warrant figure is included in the Appendix. As such, the proposed development-generated traffic will not have a significant impact on the overall operations of the roadway and the proposed access drive will be adequate in accommodating the traffic estimated to be generated by the development.

Conclusion

Based on the proposed development plan and the preceding evaluation, the following conclusions and recommendations are made:

- The volume of traffic that will be generated by the proposed facility will be low and will not have a significant impact on area roadways.

- Access to the proposed facility will be provided off Old Sutton Road and will be adequate in accommodating the traffic projected to be generated by the proposed development

- The projected traffic volumes were compared to the left-turn lane warrants and the results indicated that a left-turn lane is not warranted during either peak hour.

Appendix

Traffic Count Summary Sheets
CMAP 2050 Projections Letter
Level of Service Criteria
Capacity Analysis Summary Sheets
Left-Turn Lane Warrant

Traffic Count Summary Sheets

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:18:23
Wednesday June 23, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 7 oldsutton/access/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	2	0	0	0	1	0	2	0	0	0	0	5
715	0	0	0	0	0	0	0	3	0	0	0	0	3
730	0	2	0	0	0	1	0	3	0	0	0	0	6
745	0	2	0	0	0	1	0	1	0	0	0	0	4
800	0	0	0	0	0	0	0	2	0	0	0	0	2
815	0	1	0	1	0	0	0	2	0	0	0	0	4
830	0	0	0	0	0	0	0	2	0	0	0	0	2
845	0	1	0	0	0	0	0	1	0	0	0	0	2
1600	0	2	0	0	0	0	0	1	0	0	0	0	3
1615	0	2	0	0	0	0	0	4	0	0	0	0	6
1630	0	2	0	0	0	0	0	5	0	0	0	0	7
1645	0	4	0	0	0	0	1	1	0	0	0	0	6
1700	0	3	0	0	0	0	0	2	0	0	0	0	5
1715	0	1	0	0	0	0	0	1	0	0	0	0	2
1730	0	2	2	0	0	0	0	3	0	0	0	0	7
1745	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	0	26	2	1	0	3	1	33	0	0	0	0	66

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 7 oldsutton/access/single

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	2	1	2	0	2	0	3	0	5
715	0	0	3	0	3	0	0	0	3
730	2	1	3	0	3	0	3	0	6
745	2	1	1	0	1	0	3	0	4
800	0	0	2	0	2	0	0	0	2
815	1	1	2	0	3	0	1	0	4
830	0	0	2	0	2	0	0	0	2
845	1	0	1	0	1	0	1	0	2
1600	2	0	1	0	1	0	2	0	3
1615	2	0	4	0	4	0	2	0	6
1630	2	0	5	0	5	0	2	0	7
1645	4	0	2	0	1	1	4	0	6
1700	3	0	2	0	2	0	3	0	5
1715	1	0	1	0	1	0	1	0	2
1730	4	0	3	0	3	2	2	0	7
1745	2	0	0	0	0	0	2	0	2
Total	28	4	34	0	34	3	29	0	66

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:18:23
Wednesday June 23, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 7 oldsutton/access/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	8	0	0	0	4	0	8	0	0	0	0	20
715	0	0	0	0	0	0	0	12	0	0	0	0	12
730	0	8	0	0	0	4	0	12	0	0	0	0	24
745	0	8	0	0	0	4	0	4	0	0	0	0	16
800	0	0	0	0	0	0	0	8	0	0	0	0	8
815	0	4	0	4	0	0	0	8	0	0	0	0	16
830	0	0	0	0	0	0	0	8	0	0	0	0	8
845	0	4	0	0	0	0	0	4	0	0	0	0	8
1600	0	8	0	0	0	0	0	4	0	0	0	0	12
1615	0	8	0	0	0	0	0	16	0	0	0	0	24
1630	0	8	0	0	0	0	0	20	0	0	0	0	28
1645	0	16	0	0	0	0	4	4	0	0	0	0	24
1700	0	12	0	0	0	0	0	8	0	0	0	0	20
1715	0	4	0	0	0	0	0	4	0	0	0	0	8
1730	0	8	8	0	0	0	0	12	0	0	0	0	28
1745	0	8	0	0	0	0	0	0	0	0	0	0	8

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 7 oldsutton/access/single

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	8	4	8	0	8	0	12	0	20
715	0	0	12	0	12	0	0	0	12
730	8	4	12	0	12	0	12	0	24
745	8	4	4	0	4	0	12	0	16
800	0	0	8	0	8	0	0	0	8
815	4	4	8	0	12	0	4	0	16
830	0	0	8	0	8	0	0	0	8
845	4	0	4	0	4	0	4	0	8
1600	8	0	4	0	4	0	8	0	12
1615	8	0	16	0	16	0	8	0	24
1630	8	0	20	0	20	0	8	0	28
1645	16	0	8	0	4	4	16	0	24
1700	12	0	8	0	8	0	12	0	20
1715	4	0	4	0	4	0	4	0	8
1730	16	0	12	0	12	8	8	0	28
1745	8	0	0	0	0	0	8	0	8

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:18:23
Wednesday June 23, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 7 oldsutton/access/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	6	0	0	0	3	0	9	0	0	0	0	18
715	0	4	0	0	0	2	0	9	0	0	0	0	15
730	0	5	0	1	0	2	0	8	0	0	0	0	16
745	0	3	0	1	0	1	0	7	0	0	0	0	12
800	0	2	0	1	0	0	0	7	0	0	0	0	10
815	0	2	0	1	0	0	0	5	0	0	0	0	8*
830	0	1	0	0	0	0	0	3	0	0	0	0	4*
845	0	1	0	0	0	0	0	1	0	0	0	0	2*
1600	0	10	0	0	0	0	1	11	0	0	0	0	22
1615	0	11	0	0	0	0	1	12	0	0	0	0	24
1630	0	10	0	0	0	0	1	9	0	0	0	0	20
1645	0	10	2	0	0	0	1	7	0	0	0	0	20
1700	0	8	2	0	0	0	0	6	0	0	0	0	16
1715	0	5	2	0	0	0	0	4	0	0	0	0	11*
1730	0	4	2	0	0	0	0	3	0	0	0	0	9*
1745	0	2	0	0	0	0	0	0	0	0	0	0	2*

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 7 oldsutton/access/single

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	6	3	9	0	9	0	9	0	18
715	4	2	9	0	9	0	6	0	15
730	5	3	8	0	9	0	7	0	16
745	3	2	7	0	8	0	4	0	12
800	2	1	7	0	8	0	2	0	10
815	2	1	5	0	6	0	2	0	8*
830	1	0	3	0	3	0	1	0	4*
845	1	0	1	0	1	0	1	0	2*
1600	10	0	12	0	11	1	10	0	22
1615	11	0	13	0	12	1	11	0	24
1630	10	0	10	0	9	1	10	0	20
1645	12	0	8	0	7	3	10	0	20
1700	10	0	6	0	6	2	8	0	16
1715	7	0	4	0	4	2	5	0	11*
1730	6	0	3	0	3	2	4	0	9*
1745	2	0	0	0	0	0	2	0	2*

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:15:14
Wednesday June 23, 2021 Semi Trailer Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 6 oldsutton/access/semi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	0	0	0	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	1	0	0	0	0	0	0	1
745	0	0	1	0	0	0	0	0	0	0	0	0	1
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	1	0	0	0	0	0	1
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	0	1	1	0	0	0	0	0	3

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 6 oldsutton/access/semi

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0
730	0	1	0	0	0	0	1	0	1
745	1	0	0	0	0	1	0	0	1
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0
1615	0	0	1	0	0	1	0	0	1
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0
Total	1	1	1	0	0	2	1	0	3

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:15:14
Wednesday June 23, 2021 Semi Trailer Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 6 oldsutton/access/semi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	0	0	0	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	4	0	0	0	0	0	0	4
745	0	0	4	0	0	0	0	0	0	0	0	0	4
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	4	0	0	0	0	0	4
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0	0	0	0	0

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 6 oldsutton/access/semi

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0
730	0	4	0	0	0	0	4	0	4
745	4	0	0	0	0	4	0	0	4
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0
1615	0	0	4	0	0	4	0	0	4
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:15:14
Wednesday June 23, 2021 Semi Trailer Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 6 oldsutton/access/semi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	0	1	0	0	1	0	0	0	0	0	0	2
715	0	0	1	0	0	1	0	0	0	0	0	0	2
730	0	0	1	0	0	1	0	0	0	0	0	0	2
745	0	0	1	0	0	0	0	0	0	0	0	0	1
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0*
830	0	0	0	0	0	0	0	0	0	0	0	0	0*
845	0	0	0	0	0	0	0	0	0	0	0	0	0*
1600	0	0	0	0	0	0	1	0	0	0	0	0	1
1615	0	0	0	0	0	0	1	0	0	0	0	0	1
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0*
1730	0	0	0	0	0	0	0	0	0	0	0	0	0*
1745	0	0	0	0	0	0	0	0	0	0	0	0	0*

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 6 oldsutton/access/semi

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	1	1	0	0	0	1	1	0	2
715	1	1	0	0	0	1	1	0	2
730	1	1	0	0	0	1	1	0	2
745	1	0	0	0	0	1	0	0	1
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0*
830	0	0	0	0	0	0	0	0	0*
845	0	0	0	0	0	0	0	0	0*
1600	0	0	1	0	0	1	0	0	1
1615	0	0	1	0	0	1	0	0	1
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0*
1730	0	0	0	0	0	0	0	0	0*
1745	0	0	0	0	0	0	0	0	0*

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:12:59
Wednesday June 23, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 5 oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	12	0	1	0	0	1	11	0	0	0	0	25
715	0	15	2	0	0	0	0	9	0	0	0	0	26
730	0	20	1	0	0	0	0	12	0	0	0	0	33
745	0	14	0	0	0	0	0	7	0	0	0	0	21
800	0	14	0	0	0	0	0	9	0	0	0	0	23
815	0	12	0	1	0	0	1	8	0	0	0	0	22
830	0	15	0	0	0	0	0	8	0	0	0	0	23
845	0	13	0	0	0	0	0	12	0	0	0	0	25
1600	0	17	0	0	0	0	0	26	0	0	0	0	43
1615	0	9	0	0	0	0	0	26	0	0	0	0	35
1630	0	17	0	0	0	0	0	25	0	0	0	0	42
1645	0	13	0	0	0	0	0	28	0	0	0	0	41
1700	0	17	0	0	0	1	0	23	0	0	0	0	41
1715	0	13	0	0	0	0	0	30	0	0	0	0	43
1730	0	10	0	0	0	0	0	23	0	0	0	0	33
1745	0	11	0	0	0	0	0	18	0	0	0	0	29
Total	0	222	3	2	0	1	2	275	0	0	0	0	505

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 5 oldsutton/accspenny/cars

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	12	1	12	0	12	1	12	0	25
715	17	0	9	0	9	2	15	0	26
730	21	0	12	0	12	1	20	0	33
745	14	0	7	0	7	0	14	0	21
800	14	0	9	0	9	0	14	0	23
815	12	1	9	0	9	1	12	0	22
830	15	0	8	0	8	0	15	0	23
845	13	0	12	0	12	0	13	0	25
1600	17	0	26	0	26	0	17	0	43
1615	9	0	26	0	26	0	9	0	35
1630	17	0	25	0	25	0	17	0	42
1645	13	0	28	0	28	0	13	0	41
1700	17	1	23	0	23	0	18	0	41
1715	13	0	30	0	30	0	13	0	43
1730	10	0	23	0	23	0	10	0	33
1745	11	0	18	0	18	0	11	0	29
Total	225	3	277	0	277	5	223	0	505

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:12:59
Wednesday June 23, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 5 oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	48	0	4	0	0	4	44	0	0	0	0	100
715	0	60	8	0	0	0	0	36	0	0	0	0	104
730	0	80	4	0	0	0	0	48	0	0	0	0	132
745	0	56	0	0	0	0	0	28	0	0	0	0	84
800	0	56	0	0	0	0	0	36	0	0	0	0	92
815	0	48	0	4	0	0	4	32	0	0	0	0	88
830	0	60	0	0	0	0	0	32	0	0	0	0	92
845	0	52	0	0	0	0	0	48	0	0	0	0	100
1600	0	68	0	0	0	0	0	104	0	0	0	0	172
1615	0	36	0	0	0	0	0	104	0	0	0	0	140
1630	0	68	0	0	0	0	0	100	0	0	0	0	168
1645	0	52	0	0	0	0	0	112	0	0	0	0	164
1700	0	68	0	0	0	4	0	92	0	0	0	0	164
1715	0	52	0	0	0	0	0	120	0	0	0	0	172
1730	0	40	0	0	0	0	0	92	0	0	0	0	132
1745	0	44	0	0	0	0	0	72	0	0	0	0	116

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 5 oldsutton/accspenny/cars

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	48	4	48	0	48	4	48	0	100
715	68	0	36	0	36	8	60	0	104
730	84	0	48	0	48	4	80	0	132
745	56	0	28	0	28	0	56	0	84
800	56	0	36	0	36	0	56	0	92
815	48	4	36	0	36	4	48	0	88
830	60	0	32	0	32	0	60	0	92
845	52	0	48	0	48	0	52	0	100
1600	68	0	104	0	104	0	68	0	172
1615	36	0	104	0	104	0	36	0	140
1630	68	0	100	0	100	0	68	0	168
1645	52	0	112	0	112	0	52	0	164
1700	68	4	92	0	92	0	72	0	164
1715	52	0	120	0	120	0	52	0	172
1730	40	0	92	0	92	0	40	0	132
1745	44	0	72	0	72	0	44	0	116

Barrington, IL Weather: Warm and Dry 06/27/21
Old Sutton Rd and Access Dr South of Penny Rd 18:12:59
Wednesday June 23, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 5 oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
700	0	61	3	1	0	0	1	39	0	0	0	0	105
715	0	63	3	0	0	0	0	37	0	0	0	0	103
730	0	60	1	1	0	0	1	36	0	0	0	0	99
745	0	55	0	1	0	0	1	32	0	0	0	0	89
800	0	54	0	1	0	0	1	37	0	0	0	0	93
815	0	40	0	1	0	0	1	28	0	0	0	0	70*
830	0	28	0	0	0	0	0	20	0	0	0	0	48*
845	0	13	0	0	0	0	0	12	0	0	0	0	25*
1600	0	56	0	0	0	0	0	105	0	0	0	0	161
1615	0	56	0	0	0	1	0	102	0	0	0	0	159
1630	0	60	0	0	0	1	0	106	0	0	0	0	167
1645	0	53	0	0	0	1	0	104	0	0	0	0	158
1700	0	51	0	0	0	1	0	94	0	0	0	0	146
1715	0	34	0	0	0	0	0	71	0	0	0	0	105*
1730	0	21	0	0	0	0	0	41	0	0	0	0	62*
1745	0	11	0	0	0	0	0	18	0	0	0	0	29*

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 5 oldsutton/accspenny/cars

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
700	64	1	40	0	40	4	61	0	105
715	66	0	37	0	37	3	63	0	103
730	61	1	37	0	37	2	60	0	99
745	55	1	33	0	33	1	55	0	89
800	54	1	38	0	38	1	54	0	93
815	40	1	29	0	29	1	40	0	70*
830	28	0	20	0	20	0	28	0	48*
845	13	0	12	0	12	0	13	0	25*
1600	56	0	105	0	105	0	56	0	161
1615	56	1	102	0	102	0	57	0	159
1630	60	1	106	0	106	0	61	0	167
1645	53	1	104	0	104	0	54	0	158
1700	51	1	94	0	94	0	52	0	146
1715	34	0	71	0	71	0	34	0	105*
1730	21	0	41	0	41	0	21	0	62*
1745	11	0	18	0	18	0	11	0	29*

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Old Sutton Rd with Penny Rd
Site Code:
Start Date: 10/13/2021

Turning Movement Data

Start Time	Penny Rd Eastbound						Penny Rd Westbound						Old Sutton Rd Northbound						Old Sutton Rd Southbound						Int. Total
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
7:00 AM	0	2	33	10	0	45	0	0	5	4	0	9	0	0	4	4	0	8	0	6	3	0	0	9	71
7:15 AM	0	2	27	9	0	38	0	2	10	9	0	21	0	4	5	3	0	12	0	4	5	0	0	9	80
7:30 AM	0	1	20	8	0	29	0	3	14	8	0	25	0	4	5	4	0	13	0	2	9	0	0	11	78
7:45 AM	0	0	32	9	0	41	0	0	11	10	0	21	0	8	3	6	0	17	0	6	12	0	0	18	97
Hourly Total	0	5	112	36	0	153	0	5	40	31	0	76	0	16	17	17	0	50	0	18	29	0	0	47	326
8:00 AM	0	0	27	12	0	39	0	2	11	10	0	23	0	2	5	4	0	11	0	3	15	0	0	18	91
8:15 AM	0	0	19	4	0	23	0	1	6	6	0	13	0	3	6	3	0	12	0	1	5	0	0	6	54
8:30 AM	0	0	13	4	0	17	0	2	7	6	0	15	0	0	3	1	0	4	0	4	3	1	0	8	44
8:45 AM	0	1	13	6	0	20	0	1	10	3	0	14	0	0	4	0	0	4	0	2	3	0	0	5	43
Hourly Total	0	1	72	26	0	99	0	6	34	25	0	65	0	5	18	8	0	31	0	10	26	1	0	37	232
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	0	0	13	6	0	19	0	5	17	10	0	32	0	15	2	3	0	20	0	6	6	1	0	13	84
4:15 PM	0	0	11	0	0	11	0	2	30	10	0	42	0	13	13	3	0	29	0	2	5	0	0	7	89
4:30 PM	0	0	13	4	0	17	0	1	16	5	0	22	0	9	6	3	0	18	0	5	5	0	0	10	67
4:45 PM	0	0	13	7	0	20	0	0	22	6	0	28	0	9	12	5	0	26	0	5	4	1	0	10	84
Hourly Total	0	0	50	17	0	67	0	8	85	31	0	124	0	46	33	14	0	93	0	18	20	2	0	40	324
5:00 PM	0	0	8	4	0	12	0	1	26	8	0	35	0	20	10	1	0	31	0	6	8	0	0	14	92
5:15 PM	0	1	13	5	0	19	0	4	20	8	0	32	0	15	8	2	0	25	0	4	6	0	0	10	86
5:30 PM	0	0	17	7	0	24	0	2	13	6	0	21	0	10	14	0	0	24	0	5	1	0	0	6	75
5:45 PM	0	0	10	5	0	15	0	2	17	14	0	33	0	14	7	1	0	22	0	0	4	0	0	4	74
Hourly Total	0	1	48	21	0	70	0	9	76	36	0	121	0	59	39	4	0	102	0	15	19	0	0	34	327
Grand Total	0	7	282	100	0	389	0	28	235	123	0	386	0	126	107	43	0	276	0	61	94	3	0	158	1209
Approach %	0.0	1.8	72.5	25.7	-	-	0.0	7.3	60.9	31.9	-	-	0.0	45.7	38.8	15.6	-	-	0.0	38.6	59.5	1.9	-	-	-
Total %	0.0	0.6	23.3	8.3	-	32.2	0.0	2.3	19.4	10.2	-	31.9	0.0	10.4	8.9	3.6	-	22.8	0.0	5.0	7.8	0.2	-	13.1	-
Lights	0	4	276	99	-	379	0	26	209	112	-	347	0	124	105	38	-	267	0	60	89	3	-	152	1145
% Lights	-	57.1	97.9	99.0	-	97.4	-	92.9	88.9	91.1	-	89.9	-	98.4	98.1	88.4	-	96.7	-	98.4	94.7	100.0	-	96.2	94.7
Buses	0	3	1	0	-	4	0	0	1	5	-	6	0	0	1	2	-	3	0	0	0	0	-	0	13
% Buses	-	42.9	0.4	0.0	-	1.0	-	0.0	0.4	4.1	-	1.6	-	0.0	0.9	4.7	-	1.1	-	0.0	0.0	0.0	-	0.0	1.1
Single-Unit Trucks	0	0	1	1	-	2	0	0	3	5	-	8	0	2	1	2	-	5	0	1	5	0	-	6	21
% Single-Unit Trucks	-	0.0	0.4	1.0	-	0.5	-	0.0	1.3	4.1	-	2.1	-	1.6	0.9	4.7	-	1.8	-	1.6	5.3	0.0	-	3.8	1.7
Articulated Trucks	0	0	3	0	-	3	0	2	22	1	-	25	0	0	0	1	-	1	0	0	0	0	-	0	29
% Articulated Trucks	-	0.0	1.1	0.0	-	0.8	-	7.1	9.4	0.8	-	6.5	-	0.0	0.0	2.3	-	0.4	-	0.0	0.0	0.0	-	0.0	2.4
Bicycles on Road	0	0	1	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	1

% Bicydes on Road	-	0.0	0.4	0.0	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Old Sutton Rd with Penny Rd
Site Code:
Start Date: 10/13/2021

Turning Movement Peak Hour Data (7:15 AM)

Start Time	Penny Rd Eastbound						Penny Rd Westbound						Old Sutton Rd Northbound						Old Sutton Rd Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:15 AM	0	2	27	9	0	38	0	2	10	9	0	21	0	4	5	3	0	12	0	4	5	0	0	9	80
7:30 AM	0	1	20	8	0	29	0	3	14	8	0	25	0	4	5	4	0	13	0	2	9	0	0	11	78
7:45 AM	0	0	32	9	0	41	0	0	11	10	0	21	0	8	3	6	0	17	0	6	12	0	0	18	97
8:00 AM	0	0	27	12	0	39	0	2	11	10	0	23	0	2	5	4	0	11	0	3	15	0	0	18	91
Total	0	3	106	38	0	147	0	7	46	37	0	90	0	18	18	17	0	53	0	15	41	0	0	56	346
Approach %	0.0	2.0	72.1	25.9	-	-	0.0	7.8	51.1	41.1	-	-	0.0	34.0	34.0	32.1	-	-	0.0	26.8	73.2	0.0	-	-	-
Total %	0.0	0.9	30.6	11.0	-	42.5	0.0	2.0	13.3	10.7	-	26.0	0.0	5.2	5.2	4.9	-	15.3	0.0	4.3	11.8	0.0	-	16.2	-
PHF	0.000	0.375	0.828	0.792	-	0.896	0.000	0.583	0.821	0.925	-	0.900	0.000	0.563	0.900	0.708	-	0.779	0.000	0.625	0.683	0.000	-	0.778	0.892
Lights	0	0	103	37	-	140	0	7	28	32	-	67	0	18	18	14	-	50	0	15	37	0	-	52	309
% Lights	-	0.0	97.2	97.4	-	95.2	-	100.0	60.9	86.5	-	74.4	-	100.0	100.0	82.4	-	94.3	-	100.0	90.2	-	-	92.9	89.3
Buses	0	3	0	0	-	3	0	0	1	3	-	4	0	0	0	1	-	1	0	0	0	0	-	0	8
% Buses	-	100.0	0.0	0.0	-	2.0	-	0.0	2.2	8.1	-	4.4	-	0.0	0.0	5.9	-	1.9	-	0.0	0.0	-	-	0.0	2.3
Single-Unit Trucks	0	0	0	1	-	1	0	0	0	2	-	2	0	0	0	1	-	1	0	0	4	0	-	4	8
% Single-Unit Trucks	-	0.0	0.0	2.6	-	0.7	-	0.0	0.0	5.4	-	2.2	-	0.0	0.0	5.9	-	1.9	-	0.0	9.8	-	-	7.1	2.3
Articulated Trucks	0	0	3	0	-	3	0	0	17	0	-	17	0	0	0	1	-	1	0	0	0	0	-	0	21
% Articulated Trucks	-	0.0	2.8	0.0	-	2.0	-	0.0	37.0	0.0	-	18.9	-	0.0	0.0	5.9	-	1.9	-	0.0	0.0	-	-	0.0	6.1
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.0
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Count Name: Old Sutton Rd with Penny Rd
Site Code:
Start Date: 10/13/2021

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Penny Rd Eastbound						Penny Rd Westbound						Old Sutton Rd Northbound						Old Sutton Rd Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	0	0	13	6	0	19	0	5	17	10	0	32	0	15	2	3	0	20	0	6	6	1	0	13	84
4:15 PM	0	0	11	0	0	11	0	2	30	10	0	42	0	13	13	3	0	29	0	2	5	0	0	7	89
4:30 PM	0	0	13	4	0	17	0	1	16	5	0	22	0	9	6	3	0	18	0	5	5	0	0	10	67
4:45 PM	0	0	13	7	0	20	0	0	22	6	0	28	0	9	12	5	0	26	0	5	4	1	0	10	84
Total	0	0	50	17	0	67	0	8	85	31	0	124	0	46	33	14	0	93	0	18	20	2	0	40	324
Approach %	0.0	0.0	74.6	25.4	-	-	0.0	6.5	68.5	25.0	-	-	0.0	49.5	35.5	15.1	-	-	0.0	45.0	50.0	5.0	-	-	-
Total %	0.0	0.0	15.4	5.2	-	20.7	0.0	2.5	26.2	9.6	-	38.3	0.0	14.2	10.2	4.3	-	28.7	0.0	5.6	6.2	0.6	-	12.3	-
PHF	0.000	0.000	0.962	0.607	-	0.838	0.000	0.400	0.708	0.775	-	0.738	0.000	0.767	0.635	0.700	-	0.802	0.000	0.750	0.833	0.500	-	0.769	0.910
Lights	0	0	50	17	-	67	0	7	81	30	-	118	0	45	32	14	-	91	0	18	19	2	-	39	315
% Lights	-	-	100.0	100.0	-	100.0	-	87.5	95.3	96.8	-	95.2	-	97.8	97.0	100.0	-	97.8	-	100.0	95.0	100.0	-	97.5	97.2
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Buses	-	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	0	0	0	-	0	0	0	2	1	-	3	0	1	1	0	-	2	0	0	1	0	-	1	6
% Single-Unit Trucks	-	-	0.0	0.0	-	0.0	-	0.0	2.4	3.2	-	2.4	-	2.2	3.0	0.0	-	2.2	-	0.0	5.0	0.0	-	2.5	1.9
Articulated Trucks	0	0	0	0	-	0	0	1	2	0	-	3	0	0	0	0	-	0	0	0	0	0	-	0	3
% Articulated Trucks	-	-	0.0	0.0	-	0.0	-	12.5	2.4	0.0	-	2.4	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.9
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Bicycles on Road	-	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 8 dec/oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	5	0	0	0	0	1	5	0	0	0	0	11
615	0	13	0	0	0	0	1	3	0	0	0	0	17
630	0	10	0	0	0	1	0	3	0	0	0	0	14
645	0	14	2	0	0	0	0	4	0	0	0	0	20
700	0	13	2	0	0	0	0	5	0	0	0	0	20
715	0	13	0	0	0	0	0	12	0	0	0	0	25
730	0	13	0	0	0	0	0	13	0	0	0	0	26
745	0	11	0	0	0	0	0	5	0	0	0	0	16
800	0	18	0	0	0	0	0	4	0	0	0	0	22
815	0	12	0	0	0	0	0	11	0	0	0	0	23
830	0	14	0	0	0	0	0	4	0	0	0	0	18
845	0	9	0	0	0	0	0	11	0	0	0	0	20
1500	0	11	1	1	0	0	1	18	0	0	0	0	32
1515	0	12	0	0	0	0	0	16	0	0	0	0	28
1530	0	10	0	1	0	1	0	17	0	0	0	0	29
1545	0	15	0	0	0	0	0	24	0	0	0	0	39
1600	0	24	0	1	0	0	0	30	0	0	0	0	55
1615	0	20	1	1	0	0	0	32	0	0	0	0	54
1630	0	24	0	0	0	0	0	24	0	0	0	0	48
1645	0	14	0	0	0	0	0	28	0	0	0	0	42
1700	0	24	0	0	0	0	0	30	0	0	0	0	54
1715	0	21	0	0	0	0	0	26	0	0	0	0	47
1730	0	10	0	0	0	0	0	31	0	0	0	0	41
1745	0	15	1	0	0	0	0	21	0	0	0	0	37
Total	0	345	7	4	0	2	3	377	0	0	0	0	738

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 8 dec/oldsutton/accspenny/cars

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
600	5	0	6	0	5	1	5	0	11
615	13	0	4	0	3	1	13	0	17
630	10	1	3	0	3	0	11	0	14
645	16	0	4	0	4	2	14	0	20
700	15	0	5	0	5	2	13	0	20
715	13	0	12	0	12	0	13	0	25
730	13	0	13	0	13	0	13	0	26
745	11	0	5	0	5	0	11	0	16
800	18	0	4	0	4	0	18	0	22
815	12	0	11	0	11	0	12	0	23
830	14	0	4	0	4	0	14	0	18
845	9	0	11	0	11	0	9	0	20
1500	12	1	19	0	19	2	11	0	32
1515	12	0	16	0	16	0	12	0	28
1530	10	2	17	0	18	0	11	0	29
1545	15	0	24	0	24	0	15	0	39
1600	24	1	30	0	31	0	24	0	55
1615	21	1	32	0	33	1	20	0	54
1630	24	0	24	0	24	0	24	0	48
1645	14	0	28	0	28	0	14	0	42
1700	24	0	30	0	30	0	24	0	54
1715	21	0	26	0	26	0	21	0	47
1730	10	0	31	0	31	0	10	0	41
1745	16	0	21	0	21	1	15	0	37
Total	352	6	380	0	381	10	347	0	738

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 8 dec/oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	20	0	0	0	0	4	20	0	0	0	0	44
615	0	52	0	0	0	0	4	12	0	0	0	0	68
630	0	40	0	0	0	4	0	12	0	0	0	0	56
645	0	56	8	0	0	0	0	16	0	0	0	0	80
700	0	52	8	0	0	0	0	20	0	0	0	0	80
715	0	52	0	0	0	0	0	48	0	0	0	0	100
730	0	52	0	0	0	0	0	52	0	0	0	0	104
745	0	44	0	0	0	0	0	20	0	0	0	0	64
800	0	72	0	0	0	0	0	16	0	0	0	0	88
815	0	48	0	0	0	0	0	44	0	0	0	0	92
830	0	56	0	0	0	0	0	16	0	0	0	0	72
845	0	36	0	0	0	0	0	44	0	0	0	0	80
1500	0	44	4	4	0	0	4	72	0	0	0	0	128
1515	0	48	0	0	0	0	0	64	0	0	0	0	112
1530	0	40	0	4	0	4	0	68	0	0	0	0	116
1545	0	60	0	0	0	0	0	96	0	0	0	0	156
1600	0	96	0	4	0	0	0	120	0	0	0	0	220
1615	0	80	4	4	0	0	0	128	0	0	0	0	216
1630	0	96	0	0	0	0	0	96	0	0	0	0	192
1645	0	56	0	0	0	0	0	112	0	0	0	0	168
1700	0	96	0	0	0	0	0	120	0	0	0	0	216
1715	0	84	0	0	0	0	0	104	0	0	0	0	188
1730	0	40	0	0	0	0	0	124	0	0	0	0	164
1745	0	60	4	0	0	0	0	84	0	0	0	0	148

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 8 dec/oldsutton/accspenny/cars

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	20	0	24	0	20	4	20	0	44
615	52	0	16	0	12	4	52	0	68
630	40	4	12	0	12	0	44	0	56
645	64	0	16	0	16	8	56	0	80
700	60	0	20	0	20	8	52	0	80
715	52	0	48	0	48	0	52	0	100
730	52	0	52	0	52	0	52	0	104
745	44	0	20	0	20	0	44	0	64
800	72	0	16	0	16	0	72	0	88
815	48	0	44	0	44	0	48	0	92
830	56	0	16	0	16	0	56	0	72
845	36	0	44	0	44	0	36	0	80
1500	48	4	76	0	76	8	44	0	128
1515	48	0	64	0	64	0	48	0	112
1530	40	8	68	0	72	0	44	0	116
1545	60	0	96	0	96	0	60	0	156
1600	96	4	120	0	124	0	96	0	220
1615	84	4	128	0	132	4	80	0	216
1630	96	0	96	0	96	0	96	0	192
1645	56	0	112	0	112	0	56	0	168
1700	96	0	120	0	120	0	96	0	216
1715	84	0	104	0	104	0	84	0	188
1730	40	0	124	0	124	0	40	0	164
1745	64	0	84	0	84	4	60	0	148

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 8 dec/oldsutton/accspenny/cars

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	42	2	0	0	1	2	15	0	0	0	0	62
615	0	50	4	0	0	1	1	15	0	0	0	0	71
630	0	50	4	0	0	1	0	24	0	0	0	0	79
645	0	53	4	0	0	0	0	34	0	0	0	0	91
700	0	50	2	0	0	0	0	35	0	0	0	0	87
715	0	55	0	0	0	0	0	34	0	0	0	0	89
730	0	54	0	0	0	0	0	33	0	0	0	0	87
745	0	55	0	0	0	0	0	24	0	0	0	0	79
800	0	53	0	0	0	0	0	30	0	0	0	0	83
815	0	35	0	0	0	0	0	26	0	0	0	0	61*
830	0	23	0	0	0	0	0	15	0	0	0	0	38*
845	0	9	0	0	0	0	0	11	0	0	0	0	20*
1500	0	48	1	2	0	1	1	75	0	0	0	0	128
1515	0	61	0	2	0	1	0	87	0	0	0	0	151
1530	0	69	1	3	0	1	0	103	0	0	0	0	177
1545	0	83	1	2	0	0	0	110	0	0	0	0	196
1600	0	82	1	2	0	0	0	114	0	0	0	0	199
1615	0	82	1	1	0	0	0	114	0	0	0	0	198
1630	0	83	0	0	0	0	0	108	0	0	0	0	191
1645	0	69	0	0	0	0	0	115	0	0	0	0	184
1700	0	70	1	0	0	0	0	108	0	0	0	0	179
1715	0	46	1	0	0	0	0	78	0	0	0	0	125*
1730	0	25	1	0	0	0	0	52	0	0	0	0	78*
1745	0	15	1	0	0	0	0	21	0	0	0	0	37*

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:12:11
Tuesday December 14, 2021 Passenger Vehicles Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 8 dec/oldsutton/accspenny/cars

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	44	1	17	0	15	4	43	0	62
615	54	1	16	0	15	5	51	0	71
630	54	1	24	0	24	4	51	0	79
645	57	0	34	0	34	4	53	0	91
700	52	0	35	0	35	2	50	0	87
715	55	0	34	0	34	0	55	0	89
730	54	0	33	0	33	0	54	0	87
745	55	0	24	0	24	0	55	0	79
800	53	0	30	0	30	0	53	0	83
815	35	0	26	0	26	0	35	0	61*
830	23	0	15	0	15	0	23	0	38*
845	9	0	11	0	11	0	9	0	20*
1500	49	3	76	0	77	2	49	0	128
1515	61	3	87	0	89	0	62	0	151
1530	70	4	103	0	106	1	70	0	177
1545	84	2	110	0	112	1	83	0	196
1600	83	2	114	0	116	1	82	0	199
1615	83	1	114	0	115	1	82	0	198
1630	83	0	108	0	108	0	83	0	191
1645	69	0	115	0	115	0	69	0	184
1700	71	0	108	0	108	1	70	0	179
1715	47	0	78	0	78	1	46	0	125*
1730	26	0	52	0	52	1	25	0	78*
1745	16	0	21	0	21	1	15	0	37*

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 9 dec/oldsutton/accspenny/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	0	0	0	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0	0	0	0	0
645	0	1	0	0	0	0	0	0	0	0	0	0	1
700	0	1	0	0	0	0	0	0	0	0	0	0	1
715	0	1	0	2	0	0	0	1	0	0	0	0	4
730	0	0	0	0	0	0	0	2	0	0	0	0	2
745	0	1	0	0	0	0	0	5	0	0	0	0	6
800	0	1	0	0	0	0	0	0	0	0	0	0	1
815	0	3	0	0	0	0	0	0	0	0	0	0	3
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	1	0	0	0	0	1
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	2	0	0	0	0	0	0	0	0	0	0	2
1530	0	1	0	0	0	1	0	2	0	0	0	0	4
1545	0	2	0	0	0	0	0	0	0	0	0	0	2
1600	0	0	0	0	0	0	0	2	0	0	0	0	2
1615	0	0	0	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	1	0	0	0	0	1
1645	0	1	0	0	0	0	0	0	0	0	0	0	1
1700	0	0	0	0	0	0	0	3	0	0	0	0	3
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	1	0	0	0	0	1
1745	0	1	1	0	0	0	1	0	0	0	0	0	3
Total	0	15	1	2	0	1	1	18	0	0	0	0	38

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 9 dec/oldsutton/accspenny/single

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0
645	1	0	0	0	0	0	1	0	1
700	1	0	0	0	0	0	1	0	1
715	1	2	1	0	3	0	1	0	4
730	0	0	2	0	2	0	0	0	2
745	1	0	5	0	5	0	1	0	6
800	1	0	0	0	0	0	1	0	1
815	3	0	0	0	0	0	3	0	3
830	0	0	0	0	0	0	0	0	0
845	0	0	1	0	1	0	0	0	1
1500	0	0	0	0	0	0	0	0	0
1515	2	0	0	0	0	0	2	0	2
1530	1	1	2	0	2	0	2	0	4
1545	2	0	0	0	0	0	2	0	2
1600	0	0	2	0	2	0	0	0	2
1615	0	0	0	0	0	0	0	0	0
1630	0	0	1	0	1	0	0	0	1
1645	1	0	0	0	0	0	1	0	1
1700	0	0	3	0	3	0	0	0	3
1715	0	0	0	0	0	0	0	0	0
1730	0	0	1	0	1	0	0	0	1
1745	2	0	1	0	0	2	1	0	3
Total	16	3	19	0	20	2	16	0	38

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 9 dec/oldsutton/accspenny/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	0	0	0	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0	0	0	0	0
645	0	4	0	0	0	0	0	0	0	0	0	0	4
700	0	4	0	0	0	0	0	0	0	0	0	0	4
715	0	4	0	8	0	0	0	4	0	0	0	0	16
730	0	0	0	0	0	0	0	8	0	0	0	0	8
745	0	4	0	0	0	0	0	20	0	0	0	0	24
800	0	4	0	0	0	0	0	0	0	0	0	0	4
815	0	12	0	0	0	0	0	0	0	0	0	0	12
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	4	0	0	0	0	4
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	8	0	0	0	0	0	0	0	0	0	0	8
1530	0	4	0	0	0	4	0	8	0	0	0	0	16
1545	0	8	0	0	0	0	0	0	0	0	0	0	8
1600	0	0	0	0	0	0	0	8	0	0	0	0	8
1615	0	0	0	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	4	0	0	0	0	4
1645	0	4	0	0	0	0	0	0	0	0	0	0	4
1700	0	0	0	0	0	0	0	12	0	0	0	0	12
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	4	0	0	0	0	4
1745	0	4	4	0	0	0	4	0	0	0	0	0	12

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 9 dec/oldsutton/accspenny/single

Begin	Approach Totals				Exit Totals				Int
Time	N	E	S	W	N	E	S	W	Total
600	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0
645	4	0	0	0	0	0	4	0	4
700	4	0	0	0	0	0	4	0	4
715	4	8	4	0	12	0	4	0	16
730	0	0	8	0	8	0	0	0	8
745	4	0	20	0	20	0	4	0	24
800	4	0	0	0	0	0	4	0	4
815	12	0	0	0	0	0	12	0	12
830	0	0	0	0	0	0	0	0	0
845	0	0	4	0	4	0	0	0	4
1500	0	0	0	0	0	0	0	0	0
1515	8	0	0	0	0	0	8	0	8
1530	4	4	8	0	8	0	8	0	16
1545	8	0	0	0	0	0	8	0	8
1600	0	0	8	0	8	0	0	0	8
1615	0	0	0	0	0	0	0	0	0
1630	0	0	4	0	4	0	0	0	4
1645	4	0	0	0	0	0	4	0	4
1700	0	0	12	0	12	0	0	0	12
1715	0	0	0	0	0	0	0	0	0
1730	0	0	4	0	4	0	0	0	4
1745	8	0	4	0	0	8	4	0	12

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 9 dec/oldsutton/accspenny/single

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	1	0	0	0	0	0	0	0	0	0	0	1
615	0	2	0	0	0	0	0	0	0	0	0	0	2
630	0	3	0	2	0	0	0	1	0	0	0	0	6
645	0	3	0	2	0	0	0	3	0	0	0	0	8
700	0	3	0	2	0	0	0	8	0	0	0	0	13
715	0	3	0	2	0	0	0	8	0	0	0	0	13
730	0	5	0	0	0	0	0	7	0	0	0	0	12
745	0	5	0	0	0	0	0	5	0	0	0	0	10
800	0	4	0	0	0	0	0	1	0	0	0	0	5
815	0	3	0	0	0	0	0	1	0	0	0	0	4*
830	0	0	0	0	0	0	0	1	0	0	0	0	1*
845	0	0	0	0	0	0	0	1	0	0	0	0	1*
1500	0	5	0	0	0	1	0	2	0	0	0	0	8
1515	0	5	0	0	0	1	0	4	0	0	0	0	10
1530	0	3	0	0	0	1	0	4	0	0	0	0	8
1545	0	2	0	0	0	0	0	3	0	0	0	0	5
1600	0	1	0	0	0	0	0	3	0	0	0	0	4
1615	0	1	0	0	0	0	0	4	0	0	0	0	5
1630	0	1	0	0	0	0	0	4	0	0	0	0	5
1645	0	1	0	0	0	0	0	4	0	0	0	0	5
1700	0	1	1	0	0	0	1	4	0	0	0	0	7
1715	0	1	1	0	0	0	1	1	0	0	0	0	4*
1730	0	1	1	0	0	0	1	1	0	0	0	0	4*
1745	0	1	1	0	0	0	1	0	0	0	0	0	3*

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:15:23
Tuesday December 14, 2021 Single Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 9 dec/oldsutton/accspenny/single

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	1	0	0	0	0	0	1	0	1
615	2	0	0	0	0	0	2	0	2
630	3	2	1	0	3	0	3	0	6
645	3	2	3	0	5	0	3	0	8
700	3	2	8	0	10	0	3	0	13
715	3	2	8	0	10	0	3	0	13
730	5	0	7	0	7	0	5	0	12
745	5	0	5	0	5	0	5	0	10
800	4	0	1	0	1	0	4	0	5
815	3	0	1	0	1	0	3	0	4*
830	0	0	1	0	1	0	0	0	1*
845	0	0	1	0	1	0	0	0	1*
1500	5	1	2	0	2	0	6	0	8
1515	5	1	4	0	4	0	6	0	10
1530	3	1	4	0	4	0	4	0	8
1545	2	0	3	0	3	0	2	0	5
1600	1	0	3	0	3	0	1	0	4
1615	1	0	4	0	4	0	1	0	5
1630	1	0	4	0	4	0	1	0	5
1645	1	0	4	0	4	0	1	0	5
1700	2	0	5	0	4	2	1	0	7
1715	2	0	2	0	1	2	1	0	4*
1730	2	0	2	0	1	2	1	0	4*
1745	2	0	1	0	0	2	1	0	3*

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - by Mvmt

Intersection # 10 dec/oldsutton/accspenny/multi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	0	0	0	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Counts: All Vehicles - Totals

Intersection # 10 dec/oldsutton/accspenny/multi

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: by Movement

Intersection # 10 dec/oldsutton/accspenny/multi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	0	0	0	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0	0	0	0	0

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 15-Minute Flow Rates: Appr/Exit Totals

Intersection # 10 dec/oldsutton/accspenny/multi

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0
830	0	0	0	0	0	0	0	0	0
845	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0
1745	0	0	0	0	0	0	0	0	0

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: by Movement

Intersection # 10 dec/oldsutton/accspenny/multi

Begin	N-Approach			E-Approach			S-Approach			W-Approach			Int
Time	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
600	0	0	0	0	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0	0	0	0	0*
830	0	0	0	0	0	0	0	0	0	0	0	0	0*
845	0	0	0	0	0	0	0	0	0	0	0	0	0*
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0	0	0	0	0*
1730	0	0	0	0	0	0	0	0	0	0	0	0	0*
1745	0	0	0	0	0	0	0	0	0	0	0	0	0*

Barrington, IL Weather: Cool and Dry 12/15/21
Old Sutton Rd and Access Dr South of PennyRd 13:17:17
Tuesday December 14, 2021 Multi Unit Trucks Only

TURNS/TEAPAC[Ver 3.61.12] - 60-Minute Volumes: Appr/Exit Totals

Intersection # 10 dec/oldsutton/accspenny/multi

Begin Time	Approach Totals N	E	S	W	Exit Totals N	E	S	W	Int Total
600	0	0	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0
715	0	0	0	0	0	0	0	0	0
730	0	0	0	0	0	0	0	0	0
745	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
815	0	0	0	0	0	0	0	0	0*
830	0	0	0	0	0	0	0	0	0*
845	0	0	0	0	0	0	0	0	0*
1500	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0
1530	0	0	0	0	0	0	0	0	0
1545	0	0	0	0	0	0	0	0	0
1600	0	0	0	0	0	0	0	0	0
1615	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0
1715	0	0	0	0	0	0	0	0	0*
1730	0	0	0	0	0	0	0	0	0*
1745	0	0	0	0	0	0	0	0	0*

CMAP 2050 Projections Letter

Chicago Metropolitan
Agency for Planning

433 West Van Buren Street
Suite 450
Chicago, IL 60607

312-454-0400
cmap.illinois.gov

January 13, 2022

Kelly Pachowicz
Consultant
Kenig, Lindgren, O'Hara and Aboona, Inc.
9575 West Higgins Road
Suite 400
Rosemont, IL 60018

Subject: Old Sutton Road @ Penny Road
IDOT

Dear Ms. Pachowicz:

In response to a request made on your behalf and dated January 13, 2022, we have developed year 2050 average daily traffic (ADT) projections for the subject location.

ROAD SEGMENT	Current ADT	Year 2050 ADT
Old Sutton Rd north of Penny Rd	1,350	1,700
Old Sutton Rd south of Penny Rd	2,000	2,900
Penny Rd east of Old Sutton Rd	2,650	4,100
Penny Rd west of Old Sutton Rd	2,800	4,800

Traffic projections are developed using existing ADT data provided in the request letter and the results from the June 2021 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2050 socioeconomic projections and assumes the implementation of the ON TO 2050 Comprehensive Regional Plan for the Northeastern Illinois area. The provision of this data in support of your request does not constitute a CMAP endorsement of the proposed development or any subsequent developments.

If you have any questions, please call me at (312) 386-8806.

Sincerely,

Jose Rodriguez, PTP, AICP
Senior Planner, Research & Analysis

cc: Rios (IDOT)
2022_ForecastTraffic\SouthBarrington\ck-12-22\ck-12-22.docx

Level of Service Criteria

LEVEL OF SERVICE CRITERIA

Signalized Intersections		
Level of Service	Interpretation	Average Control Delay (seconds per vehicle)
A	Favorable progression. Most vehicles arrive during the green indication and travel through the intersection without stopping.	≤10
B	Good progression, with more vehicles stopping than for Level of Service A.	>10 - 20
C	Individual cycle failures (i.e., one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear. Number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.	>20 - 35
D	The volume-to-capacity ratio is high and either progression is ineffective or the cycle length is too long. Many vehicles stop and individual cycle failures are noticeable.	>35 - 55
E	Progression is unfavorable. The volume-to-capacity ratio is high and the cycle length is long. Individual cycle failures are frequent.	>55 - 80
F	The volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.	>80.0

Unsignalized Intersections	
Level of Service	Average Total Delay (SEC/VEH)
A	0 - 10
B	> 10 - 15
C	> 15 - 25
D	> 25 - 35
E	> 35 - 50
F	> 50

Source: *Highway Capacity Manual*, 2010.

Capacity Analysis Summary Sheets

Existing Weekday Morning Peak Hour

Intersection	
Intersection Delay, s/veh	9.5
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	117	42	8	51	41	20	20	19	17	54	0
Future Vol, veh/h	3	117	42	8	51	41	20	20	19	17	54	0
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	100	3	3	0	39	14	0	0	18	0	10	0
Mvmt Flow	3	131	47	9	57	46	22	22	21	19	61	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	11.5	8	8.2	8.4
HCM LOS	B	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	34%	2%	8%	24%
Vol Thru, %	34%	72%	51%	76%
Vol Right, %	32%	26%	41%	0%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	59	162	100	71
LT Vol	20	3	8	17
Through Vol	20	117	51	54
RT Vol	19	42	41	0
Lane Flow Rate	66	182	112	80
Geometry Grp	1	1	1	1
Degree of Util (X)	0.086	0.299	0.134	0.107
Departure Headway (Hd)	4.676	5.919	4.285	4.83
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	766	608	836	742
Service Time	2.708	3.951	2.317	2.86
HCM Lane V/C Ratio	0.086	0.299	0.134	0.108
HCM Control Delay	8.2	11.5	8	8.4
HCM Lane LOS	A	B	A	A
HCM 95th-tile Q	0.3	1.3	0.5	0.4

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	2	57	0	0	104
Future Vol, veh/h	0	2	57	0	0	104
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	100	100	20	0	0	5
Mvmt Flow	0	2	60	0	0	109

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	169	60	0	0	60	0
Stage 1	60	-	-	-	-	-
Stage 2	109	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	4.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	2.2	-
Pot Cap-1 Maneuver	640	787	-	-	1556	-
Stage 1	763	-	-	-	-	-
Stage 2	720	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	640	787	-	-	1556	-
Mov Cap-2 Maneuver	640	-	-	-	-	-
Stage 1	763	-	-	-	-	-
Stage 2	720	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.6	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	787	1556	-
HCM Lane V/C Ratio	-	-	0.003	-	-
HCM Control Delay (s)	-	-	9.6	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	57	0	0	104
Future Vol, veh/h	0	0	57	0	0	104
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	2
Mvmt Flow	0	0	60	0	0	109

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	169	60	0	0	60	0
Stage 1	60	-	-	-	-	-
Stage 2	109	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	826	1011	-	-	1556	-
Stage 1	968	-	-	-	-	-
Stage 2	921	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	826	1011	-	-	1556	-
Mov Cap-2 Maneuver	826	-	-	-	-	-
Stage 1	968	-	-	-	-	-
Stage 2	921	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1556	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Capacity Analysis Summary Sheets

Existing Weekday Evening Peak Hour

Intersection	
Intersection Delay, s/veh	9.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		✥			✥			✥			✥	
Traffic Vol, veh/h	0	70	24	11	119	43	64	130	20	25	82	3
Future Vol, veh/h	0	70	24	11	119	43	64	130	20	25	82	3
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles, %	0	0	0	13	5	3	2	3	2	0	5	25
Mvmt Flow	0	77	26	12	131	47	70	143	22	27	90	3
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.7	9.8	10.1	9
HCM LOS	A	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	30%	0%	6%	23%
Vol Thru, %	61%	74%	69%	75%
Vol Right, %	9%	26%	25%	3%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	214	94	173	110
LT Vol	64	0	11	25
Through Vol	130	70	119	82
RT Vol	20	24	43	3
Lane Flow Rate	235	103	190	121
Geometry Grp	1	1	1	1
Degree of Util (X)	0.314	0.14	0.263	0.166
Departure Headway (Hd)	4.814	4.865	4.979	4.951
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	741	730	717	719
Service Time	2.876	2.937	3.043	3.022
HCM Lane V/C Ratio	0.317	0.141	0.265	0.168
HCM Control Delay	10.1	8.7	9.8	9
HCM Lane LOS	B	A	A	A
HCM 95th-tile Q	1.3	0.5	1.1	0.6

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	2	0	214	0	1	116
Future Vol, veh/h	2	0	214	0	1	116
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	3	100	100	2
Mvmt Flow	2	0	225	0	1	122

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	349	225	0	0	225	0
Stage 1	225	-	-	-	-	-
Stage 2	124	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	5.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	3.1	-
Pot Cap-1 Maneuver	652	819	-	-	929	-
Stage 1	817	-	-	-	-	-
Stage 2	907	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	651	819	-	-	929	-
Mov Cap-2 Maneuver	651	-	-	-	-	-
Stage 1	817	-	-	-	-	-
Stage 2	906	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.5	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBR
Capacity (veh/h)	-	-	651	929	-
HCM Lane V/C Ratio	-	-	0.003	0.001	-
HCM Control Delay (s)	-	-	10.5	8.9	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	0	214	0	0	118
Future Vol, veh/h	0	0	214	0	0	118
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	0	0	3	0	2	2
Mvmt Flow	0	0	225	0	0	124

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	349	225	0	0	225	0
Stage 1	225	-	-	-	-	-
Stage 2	124	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.12	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.218	-
Pot Cap-1 Maneuver	652	819	-	-	1344	-
Stage 1	817	-	-	-	-	-
Stage 2	907	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	652	819	-	-	1344	-
Mov Cap-2 Maneuver	652	-	-	-	-	-
Stage 1	817	-	-	-	-	-
Stage 2	907	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	0	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	-	1344	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	-	-	0	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Capacity Analysis Summary Sheets

Year 2027 Total Projected Weekday Morning Peak Hour

Intersection	
Int Delay, s/veh	0.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	3	5	75	4	2	126
Future Vol, veh/h	3	5	75	4	2	126
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	100	100	48	0	100	33
Mvmt Flow	3	5	79	4	2	133

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	218	81	0	0	83	0
Stage 1	81	-	-	-	-	-
Stage 2	137	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	595	764	-	-	1070	-
Stage 1	744	-	-	-	-	-
Stage 2	697	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	594	764	-	-	1070	-
Mov Cap-2 Maneuver	594	-	-	-	-	-
Stage 1	744	-	-	-	-	-
Stage 2	696	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.3	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	690	1070	-
HCM Lane V/C Ratio	-	-	0.012	0.002	-
HCM Control Delay (s)	-	-	10.3	8.4	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	1.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	15	10	69	10	8	121
Future Vol, veh/h	15	10	69	10	8	121
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	100	100	20	0	0	5
Mvmt Flow	16	11	73	11	8	127

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	222	79	0	0	84	0
Stage 1	79	-	-	-	-	-
Stage 2	143	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	4.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	2.2	-
Pot Cap-1 Maneuver	592	766	-	-	1526	-
Stage 1	746	-	-	-	-	-
Stage 2	692	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	588	766	-	-	1526	-
Mov Cap-2 Maneuver	588	-	-	-	-	-
Stage 1	746	-	-	-	-	-
Stage 2	688	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.8	0	0.5
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	- 648	1526	-
HCM Lane V/C Ratio	-	- 0.041	0.006	-
HCM Control Delay (s)	-	- 10.8	7.4	0
HCM Lane LOS	-	- B	A	A
HCM 95th %tile Q(veh)	-	- 0.1	0	-

Intersection	
Intersection Delay, s/veh	10.6
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		✥			✥			✥			✥	
Traffic Vol, veh/h	4	133	51	14	58	47	26	26	28	20	63	0
Future Vol, veh/h	4	133	51	14	58	47	26	26	28	20	63	0
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	100	15	16	43	48	27	19	62	23	15	16	2
Mvmt Flow	4	149	57	16	65	53	29	29	31	22	71	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	12.5	9.5	9.1	9.2
HCM LOS	B	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	33%	2%	12%	24%
Vol Thru, %	32%	71%	49%	76%
Vol Right, %	35%	27%	39%	0%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	80	188	119	83
LT Vol	26	4	14	20
Through Vol	26	133	58	63
RT Vol	28	51	47	0
Lane Flow Rate	90	211	134	93
Geometry Grp	1	1	1	1
Degree of Util (X)	0.13	0.358	0.194	0.138
Departure Headway (Hd)	5.209	6.094	5.22	5.328
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	684	589	683	670
Service Time	3.271	4.152	3.281	3.389
HCM Lane V/C Ratio	0.132	0.358	0.196	0.139
HCM Control Delay	9.1	12.5	9.5	9.2
HCM Lane LOS	A	B	A	A
HCM 95th-tile Q	0.4	1.6	0.7	0.5

Capacity Analysis Summary Sheets

Year 2027 Total Projected Weekday Evening Peak Hour

Intersection	
Intersection Delay, s/veh	12
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		✥			✥			✥			✥	
Traffic Vol, veh/h	0	79	30	19	135	49	76	149	28	29	96	4
Future Vol, veh/h	0	79	30	19	135	49	76	149	28	29	96	4
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles, %	0	14	13	63	15	27	20	39	36	16	46	25
Mvmt Flow	0	87	33	21	148	54	84	164	31	32	105	4
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10	13.2	12.7	10.5
HCM LOS	A	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	30%	0%	9%	22%
Vol Thru, %	59%	72%	67%	74%
Vol Right, %	11%	28%	24%	3%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	253	109	203	129
LT Vol	76	0	19	29
Through Vol	149	79	135	96
RT Vol	28	30	49	4
Lane Flow Rate	278	120	223	142
Geometry Grp	1	1	1	1
Degree of Util (X)	0.428	0.187	0.388	0.226
Departure Headway (Hd)	5.543	5.619	6.264	5.736
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	651	638	576	625
Service Time	3.575	3.659	4.299	3.773
HCM Lane V/C Ratio	0.427	0.188	0.387	0.227
HCM Control Delay	12.7	10	13.2	10.5
HCM Lane LOS	B	A	B	B
HCM 95th-tile Q	2.1	0.7	1.8	0.9

Intersection	
Int Delay, s/veh	0.4

Movement	WBL	WBR	NBT	NBL	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	7	2	251	3	4	141
Future Vol, veh/h	7	2	251	3	4	141
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	97
Heavy Vehicles, %	100	100	8	100	100	26
Mvmt Flow	7	2	264	3	4	145

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	419	266	0	0	267	0
Stage 1	266	-	-	-	-	-
Stage 2	153	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	442	586	-	-	891	-
Stage 1	597	-	-	-	-	-
Stage 2	683	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	440	586	-	-	891	-
Mov Cap-2 Maneuver	440	-	-	-	-	-
Stage 1	597	-	-	-	-	-
Stage 2	680	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.9	0	0.3
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	466	891	-
HCM Lane V/C Ratio	-	-	0.02	0.005	-
HCM Control Delay (s)	-	-	12.9	9.1	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	0.7

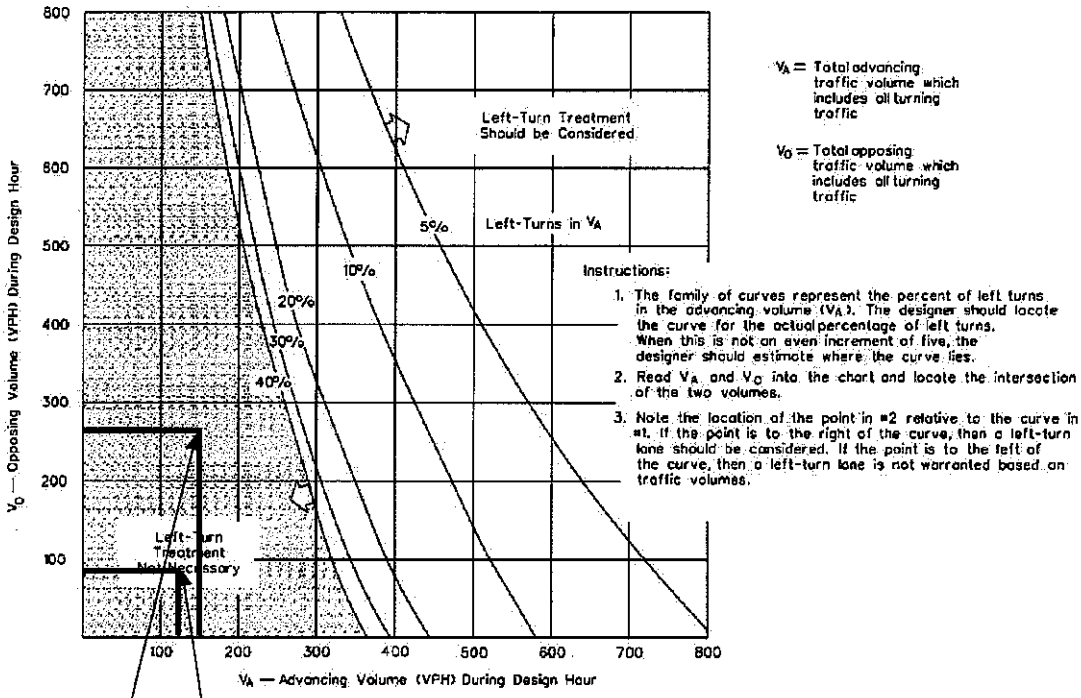
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	10	8	246	15	10	138
Future Vol, veh/h	10	8	246	15	10	138
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	96	95	95	95	95
Heavy Vehicles, %	100	0	0	100	100	26
Mvmt Flow	11	8	259	16	11	145

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	434	267	0	0	275	0
Stage 1	267	-	-	-	-	-
Stage 2	167	-	-	-	-	-
Critical Hdwy	7.4	6.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	3.3	-	-	3.1	-
Pot Cap-1 Maneuver	432	777	-	-	883	-
Stage 1	597	-	-	-	-	-
Stage 2	672	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	426	777	-	-	883	-
Mov Cap-2 Maneuver	426	-	-	-	-	-
Stage 1	597	-	-	-	-	-
Stage 2	663	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12	0	0.6
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	532	883	-
HCM Lane V/C Ratio	-	-	0.035	0.012	-
HCM Control Delay (s)	-	-	12	9.1	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Left-Turn Lane Warrant



VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS (40 mph Design Speed)

AM Peak Hour (129, 79, 6%)

PM Peak Hour (148, 261, 7%)

I and J

MARKET STUDY - LAND USE
REPORT

RENZI
& ASSOCIATES

LAND USE REPORT
FOR THE PROPERTY

LOCATED AT
15N803 OLD SUTTON ROAD,
BARRINGTON,
COOK COUNTY UNINCORPORATED,
ILLINOIS, 60614

PREPARED FOR:

MR. CRISTOBAL RODRIGUEZ
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RENZI
& ASSOCIATES

October 13, 2022

Mr. Lenny Asaro
Faegre Drinker Biddle & Reath, LLP
320 South Canal Street, Suite 3300
Chicago, Illinois 60602

Re: Special Use Property
15N803 Old Sutton Road,
Barrington, Cook County Unincorporated, Illinois 60614

Permanent Index Number: 01-28-102-010

Dear Mr. Asaro:

As requested, we have prepared a land use report to be used in the application process for a special use permit under the Cook County Zoning Ordinance. The special use permit application which we were provided, is for the property located at the above captioned address. Information relative to the subject site and improvements was obtained from said source, our physical inspections, public records (e.g., property record cards, plat maps, etc.) and information provided by Mr. Peter Gugliotta, ACIP, Director of Development Services for Hoffman Estates and received insight from two realtors, one in Schaumburg and the other in West Dundee. All information provided to us, and/or obtained from public records that could not be independently verified, is assumed accurate.

The purpose of this report is to provide the Cook County Board of Appeals the information and data required for their review and approval of the proposed land use of the property located at the above captioned address. A 'Special Use Zoning Permit' is requested for the subject property, which is presently zoned R-1 Single-Family Residence District, to be approved for a light industrial use. As such this report will answer the following sections of the Cook County Special Uses required criteria;

13.8.6 A 1,3,5
13.8.6 D 2,3
13.8.9 A 1,2,3

The intended use of this report is to submit evidence to the Cook County Zoning Board of Appeals in connection with an application for a proposed special use. The intended users are our clients, Cristobal and Lorenol Rodriguez, the subject property owners, and their legal representation, as well as the Cook County Zoning Board of Appeals.

The criteria under consideration within this assignment includes what is the impact to the health, safety, and welfare of the community; and whether the use will cause substantial injury to the value of other property in the neighborhood in which it is located.

The subject property is located on the east side of Old Sutton Road, which has a 66 foot right-of-way. The north property line of the subject property is located 891.25 feet south of the intersection of Penny Road with Old Sutton Road and has 338.06 feet of frontage on Old Sutton Road. Its north property line extends 651.22 feet from the centerline of Old Sutton Road east, to the west property line of the Elgin, Joliet and Eastern Railroads' 100 foot right-of-way. The east property line angles westerly 377.47 feet to the southeast corner of the property. The sites' south property line, nearly parallel with the north property line extends westerly back 492.88 feet from the railroad right-of way to the centerline of Old Sutton Road. The area of the site is 191,969 square feet, which is 4.41 acres. There is a 52-year-old, 2,587 square foot single-family ranch home located near the northwest corner of the site where the owner and his family live.

The property owners own Jakalo Trucking Company (a 14 year old company) that operates six dump trucks. This company works primarily with roadway improvement projects which includes 40 feet long dump trucks hired by contractors deliver needed construction materials to their job sites. They also haul construction debris to dump sites. The subject site is a great location for this business with the Route 59 and Interstate-90 interchange being approximately 1.5 miles away.

Presently, Jakalo Trucking Company is renting offsite a 150-foot square area of the property located at the northwest corner of West Higgins Road and Old Sutton Road. Jakalo parks their 6 dump trucks and rent truck storage parking stalls 50 feet long by 12 feet wide for 18 additional trucks. The monthly fee for the truck storage, parking stall is $125. There is a scarcity of properties for this purpose in the immediate area.

The special use permit is to construct a 54 feet by 50 feet metal garage building to house dump trucks and to be able to park the rest of his company dump trucks on a properly engineered gravel parking area. In addition, he desires to have the gravel parking area designed to allow Jakalo Trucking Company to rent an additional 44 dump truck storage, parking stalls.

There will be no storage of tires or truck debris on the property. The truck movement will be primarily Monday through Friday in the morning from approximately 6:30 to 7:30 am and in the afternoon from approximately 4:00 to 5:00 pm.

KLOA, Inc. will be providing a traffic impact study as part of the owner's Special Use Permit request. August Mack Environmental is preparing an environmental report as part of the owner's Special Use Permit request.

As a result of our inspection and analysis of surrounding areas, and our general knowledge of this area, we conclude that the proposed Special Use Permit request is compatible with the immediate neighbors and meets the concerns of the Cook County Zoning Board of Appeals.

This report was prepared for our clients and is intended for the specified use of our clients as stated above. This assignment is intended to be in compliance with the ethics rule, the competency rule, and the jurisdictional exception rule of the Uniform Standards of Professional Appraisal Practice (USPAP) relative to appraisal practice outside of appraisal and appraisal review. A current version of USPAP'S signed certification is attached.

If you have any questions regarding this assignment please do not hesitate to contact us.

Respectfully submitted,

RENZI & ASSOCIATES, INC.

Neil J. Renzi, MAI
President
Illinois Certified General
Appraiser No.: 553.000362

Alfred M. Tierney
Associate
Associate Real Estate Trainee
Appraiser No.: 557.006743

NJR/AMT
Renzi Job No.: 22-057

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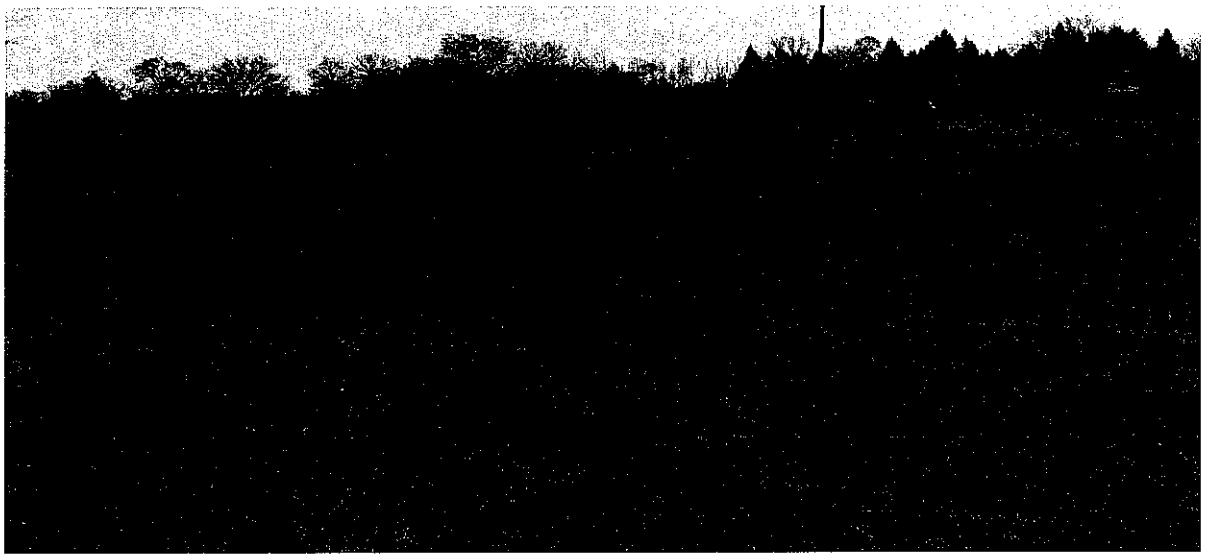
SUBJECT PHOTOS

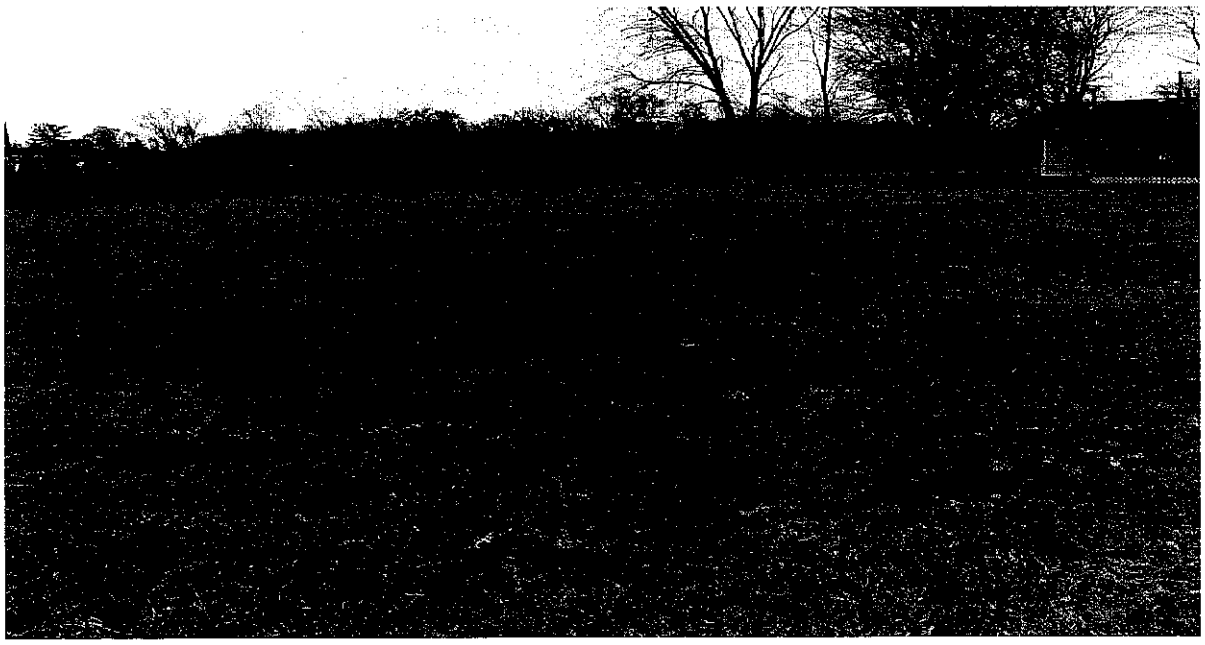
15N803 SINGLE FAMILY RANCH HOME
(Photo taken 3/16/2022)

LOOKING EAST AT THE FRONT OF THE LOT AND THE SCREEN FENCE
NO DUMP TRUCK PARKING IS PROPOSED ON THE WEST SIDE OF THE SCREEN FENCE
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued



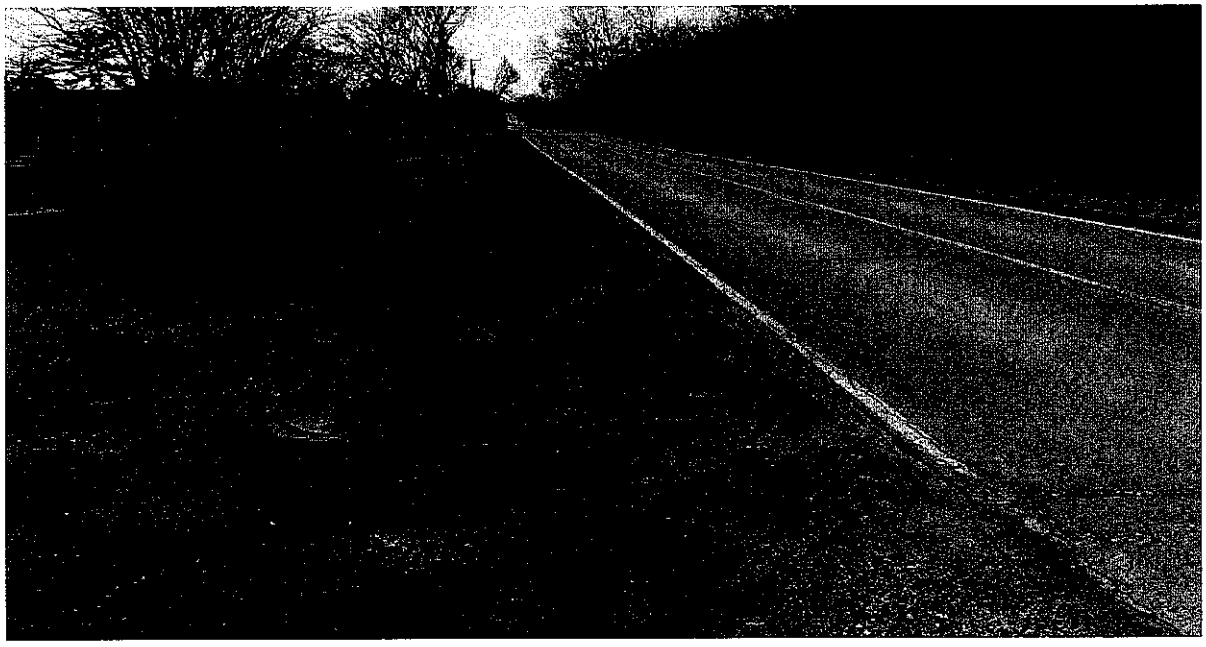
LOOKING FROM SAME SPOT AS ABOVE - SOUTHEAST
TREES IN FOREGROUND ARE THE NEIGHBOR'S TO THE SOUTH
GRAVEL ACCESS DRIVEWAY JUST NORTH OF TREES
(Photo taken 3/16/2022)



LOOKING FROM SCREEN FENCE TOWARDS OLD SUTTON ROAD
(Photo taken 3/16/2022)

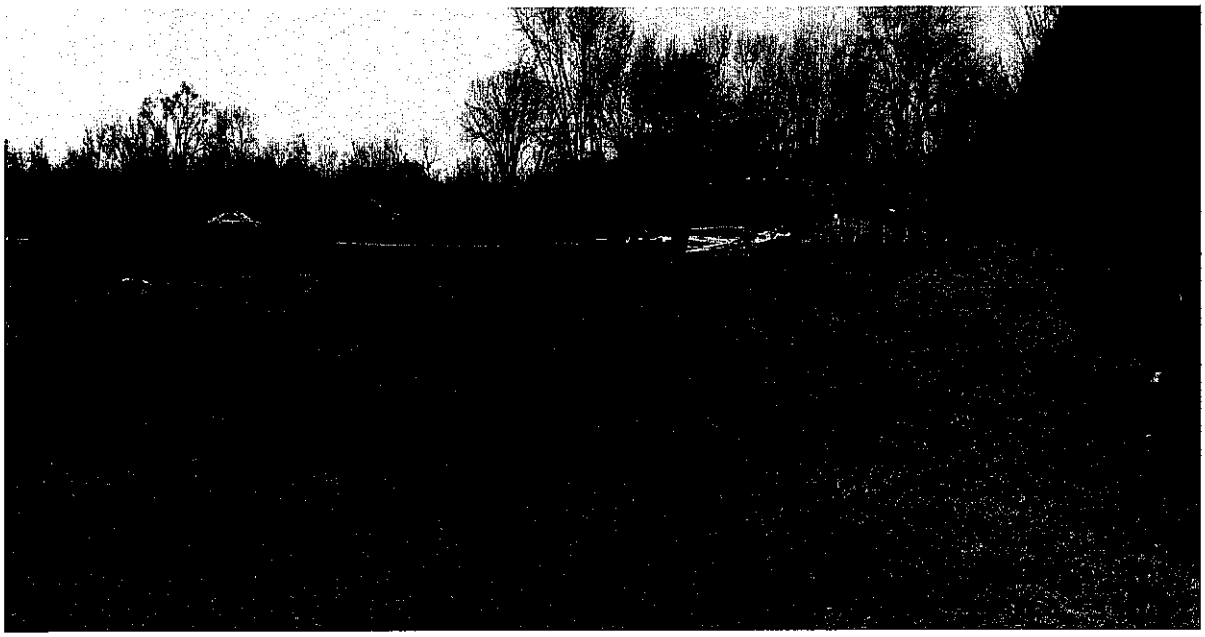
SUBJECT PHOTOS – Continued

LOOKING NORTH AT OLD SUTTON ROAD FROM DRIVEWAY ACCESS TO THE BACK LOT – AREA FOR THE PROPOSED DUMP-TRUCK PARKING
(Photo taken 3/16/2022)

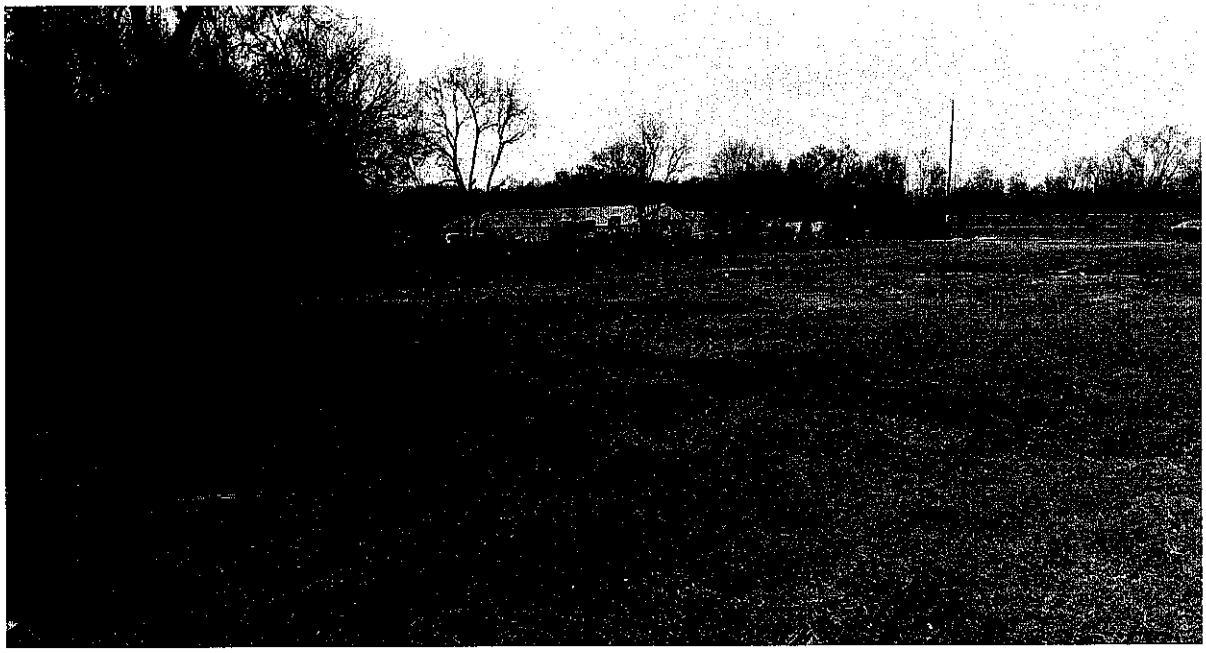


LOOKING SOUTH AT OLD SUTTON ROAD FROM DRIVEWAY ACCESS TO THE BACK LOT – AREA FOR THE PROPOSE DUMP-TRUCK PARKING
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued



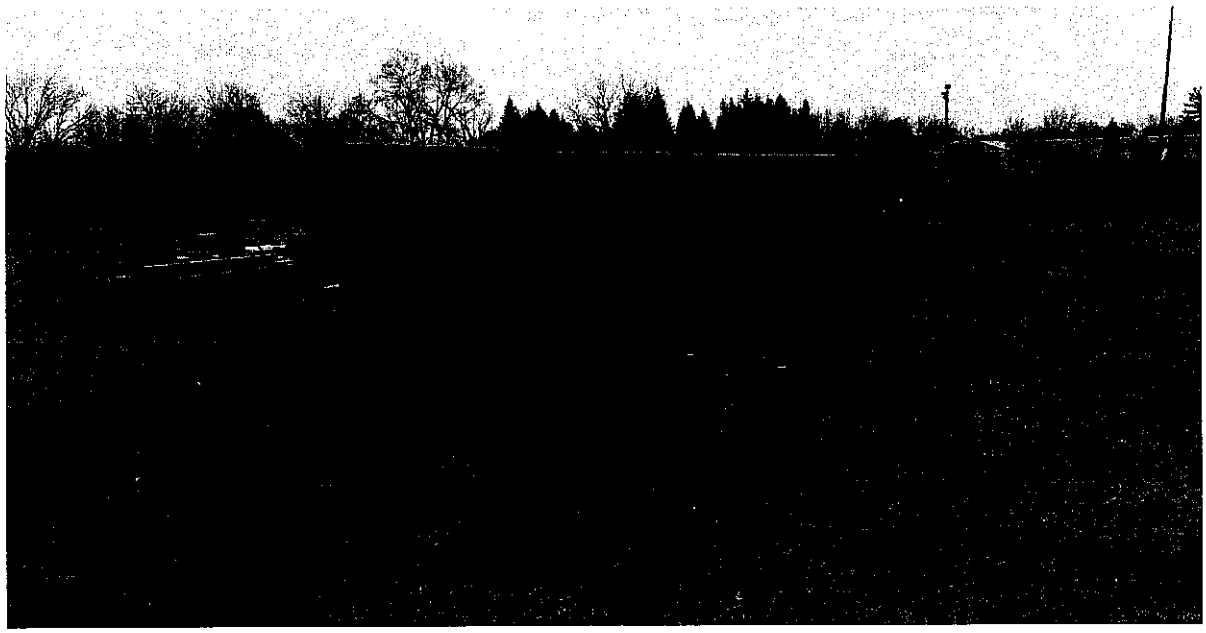
NORTHEAST CORNER OF PROPERTY LOOKING WEST
THIS SIDE OF THE SCREEN FENCE IS THE PROPOSED AREA OF DUMP-TRUCK PARKING AND THE METAL GARAGE
(Photo taken 3/16/2022)



NORTHEAST CORNER OF PROPERTY LOOKING SOUTH
(Photo taken 3/16/2022)

SUBJECT PHOTOS – Continued

FROM THE GRAVEL DRIVEWAY PAST THE SCREEN FENCING
LOOKING EAST ALONG THE SOUTH PROPERTY LINE
(Photo taken 3/16/2022)



LOOKING SOUTH AT A CLOSE-UP OF THE SCREEN FENCING
RIGHT OF THE FENCE IS THE HOME AND PROPERTY TO REMAIN GRASS
LEFT OF THE FENCE IS THE AREA PROPOSED FOR THE
DUMP-TRUCK PARKING AND METAL GARAGE
(Photo taken 3/16/2022)

PREFACE

Identification of Subject Property

Site-

Location:	15N803 Old Sutton Road, Barrington Hills, 60010 Cook County Unincorporated
Permanent Index Number:	01-28-102-011
Size:	191,969 sf / 4.41 Ac (per Cook County Assessor's Office)
Block Location:	Interior, approximately 900 feet south of the intersection of Old Sutton Road and Penny Road
Frontage:	338.06 feet – along the east side of Old Sutton Road
Zoning:	R-1 Single Family Residence District
Flood Hazard Data:	Per Flood Insurance Rate Map (FIRM) Panel No.: 17031C0155J eff. 8/19/2008, the subject site is located in an area of minimal flood hazard

Improvements-

Design:	The subject site is currently improved with a 52 year-old, single-story, metal sided framed constructed, residential property

Ownership and Current Use

The subject property is currently owned by Loreno Rodriguez (Cristobal Rodriguez's wife), who resides on the subject and operates a trucking company (Jakalo), which was incorporated in 2008. The company's primary purpose is supplying construction materials to road construction companies and hauls debris to garbage dumps.

Proposed Use

Installation of a 54 feet by 50 feet metal clad garage building and compacted gravel parking to house 6 dump trucks associated with the building. No tires will be stored on the site, nor will oil changes or repairs be performed. Each truck stall requires a 50 feet by 12 feet land tract.

Additionally requested are 44 truck stalls, to be accommodated on compacted gravel. Jakalo intends to rent these stalls on a monthly basis.

PREFACE – Continued

Purpose

The purpose of this report is to identify those uses surrounding the subject property and to render a conclusion as to whether the use of the subject property meets certain criteria set forth in Unincorporated Cook County Special Use Ordinance Articles 13.8.6 A. 1., 2., 3. & D. 2., 3 & 13.8.9 A. 1., 2., 3.

Intended Use and Users

The intended use is to submit evidence to the Cook County Zoning Board of Appeals in connection with an application for a proposed special use. The intended users are our clients Mr. and Mrs. Cristobal Rodriguez, and their legal representation, as well as the Cook County Zoning Board of Appeals.

Inspection Date

Neil J. Renzi, MAI made a personal inspection of the exterior of the subject property on March 2, 2022. Alfred M. Tiemey made a personal inspection of the exterior of the subject property on March 16, 2022.

Effective Date:

March 2, 2022

Scope of Assignment

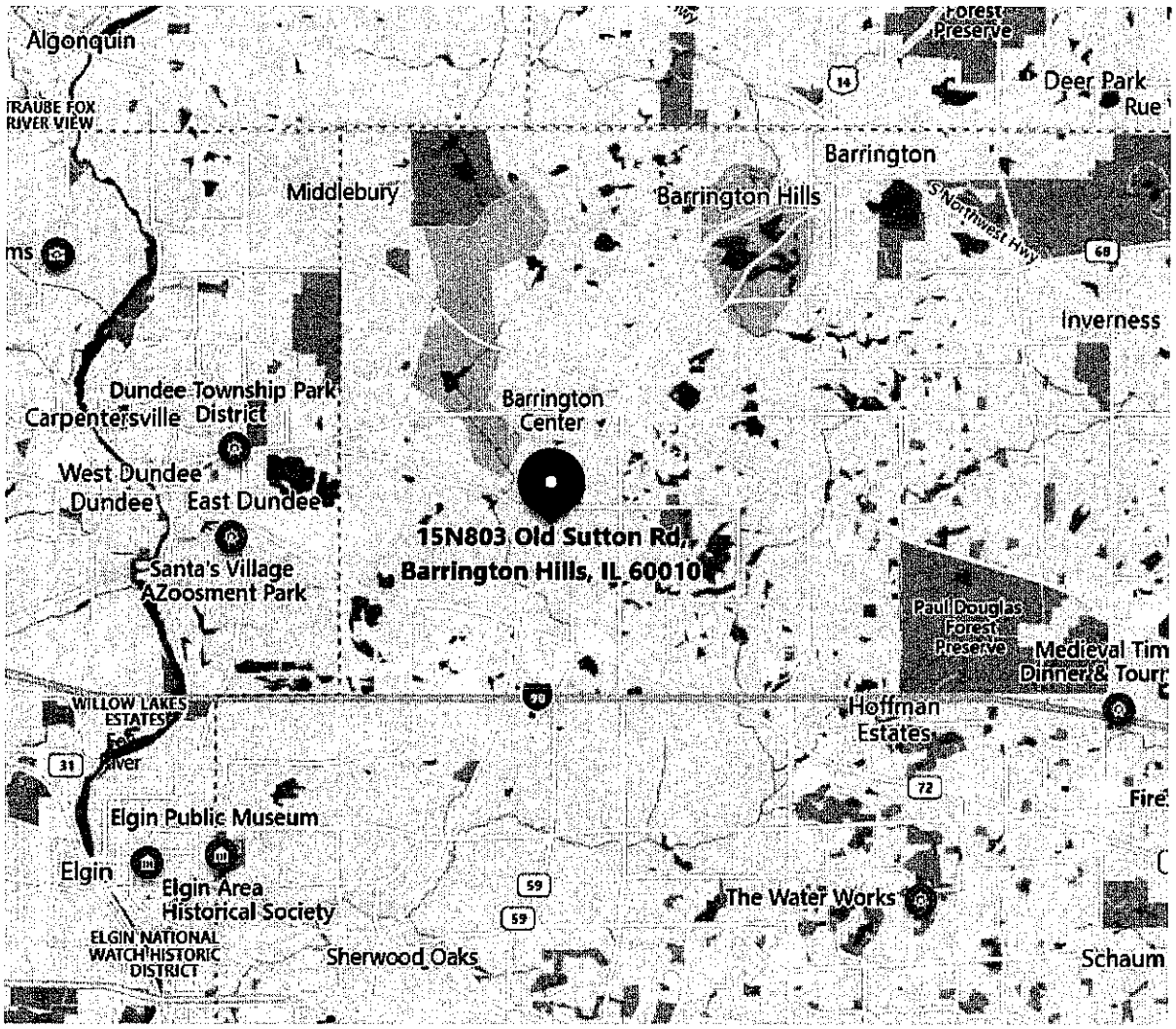
The scope of this consulting assignment involved the following steps,

- An inspection of the subject property to determine, insofar as possible, its physical characteristics, including topography, access, utilities, improvements, etc.

- An investigation of the surrounding area to determine the neighborhood boundaries as well as the area that will be impacted by the proposed use.

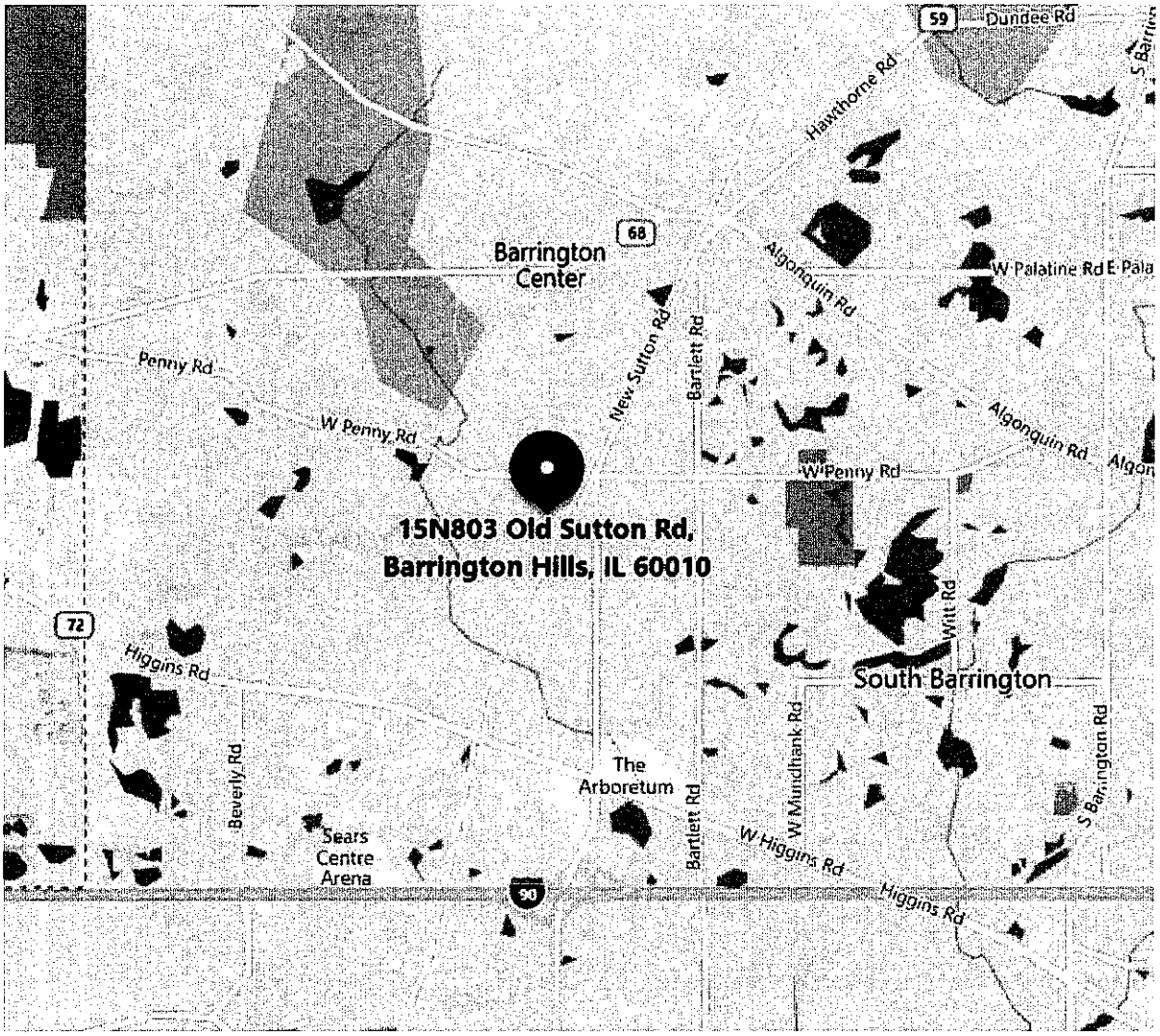
- Research of the Zoning and Planning Department records to determine the zoning of the subject property, its conformity thereto, and the zoning of surrounding land uses.

REGIONAL MAP



Source: BING MAPS

AREA MAP



ADDRESS SHOWN OF THE SUBJECT SITE IS A MAILING ADDRESS

THE SUBJECT SITE IS IN UNINCORPORATED COOK COUNTY

Source: BING MAPS

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

Faegre Drinker Biddle & Reath, LLP

PROJECT #: JY2076.250

PREPARED FOR:
15N803 Old Sutton Road
Barrington Hills, Illinois

ISSUE DATE:
April 2025

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JY2076.250

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Appendix C – IDNR Letter
Appendix D - Weekly Inspection Report
Appendix E – Plan Amendments Form
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CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JY2076.250

INTRODUCTION

This SWPPP has been completed in accordance with the requirements outlined in the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 for Stormwater Discharges for Construction Site Activities. The plan complies with all federal, state, and local regulations pertaining to this construction project.

SITE DESCRIPTION

The property is located at 15N803 Old Sutton Road in Barrington Hills, Illinois which consists of approximately 4.26 acres in unincorporated Cook County. The property consists of a residential dwelling along the western portion and a compacted asphalt storage pad and driveway along the southern and central portions of the property. The site is bordered by vegetation from wooded areas to the north, a railway to the west, as well as nearby residential properties to the south and east. The property coordinates are 42° 5′ 36.33″ N latitude and 88° 11′39.09″ W longitude. There is a single-entry point for all vehicles along Old Sutton Road. The property owner will be building a one-story metal garage on the property as a homeowner-contractor and also expanding the asphalt area.

Based on the topography of the site, stormwater will exit the site primarily via sheet flow to the east towards the drainage ditch along the railroad track. From there, the water will enter a culvert that ultimately discharges to Spring Creek. Spring Creek is located approximately a quarter of a mile south of the site.

The location is depicted on the vicinity map provided as Figure 1 of Appendix A. It contains the following:

- Surface Waters
- Stormwater Discharge Location on Surface Waters
- Receiving Waters
- Ultimate Receiving Waters
- Wetlands

Construction Description

The site will have a building added to it as well as increased asphalt area. The estimated duration of construction is six to eight weeks and will include the disturbance of approximately 1 acre of soil. The intended sequence of activities (related to soil disturbance) to occur is as follows:

1. Silt Fence Installation
2. Excavation of Existing Topsoil
3. Existing Topsoil Stockpiled Offsite
4. Addition of Compacted Asphalt

The site plan with the existing site conditions and intended construction activities is provided as Figure 2 of Appendix A. It contains the following:

- Stormwater Flow
- Vehicle Entrance and Exit
- Controls to Prevent Offsite Sediment Tracking
- Structural and Nonstructural Controls
- Silt Fence Locations

No grading activities will occur during construction. Slopes are anticipated to remain the same as prior to construction. No soil stockpiling or material storage will occur on-site during construction.

The primary soil found in the area of disturbance is Markham silt loam. The soils map provided as Figure 3 of Appendix A contains the following:

- Soil Types
- Slope Percentages
- Areas of Soil Disturbance

Soil information for the location was obtained from the Natural Resources Conservation Service (NRCS) United States Department of Agriculture (USDA) database. The Markham series consists of very deep, moderately well drained soils on Wisconsin till plains. They formed in a thin layer of loess or silty material and in the underlying silty clay loam till. Slopes range from 0 to 20 percent. The potential for surface runoff ranges from low to high. Permeability is slow. To limit erosion of soil, best management practices (BMPs) will be implemented.

CONTROLS

Erosion and Sediment Controls

Vehicles that exit the site will go through the Truck Clean Off/Inspection Area. This practice will minimize sediment track-out and the generation of dust with the application of water. If an excess amount of sediment accumulates on the public road, the project site manager will designate someone to sweep the roads.

The excavation of existing topsoil will be constrained to a limited area of approximately 1 acre. Only the required roadways onsite will be affected. Topsoil outside of the property will be not disturbed.

Stabilization Practices

Existing vegetation in the surrounding property (wooded areas) will not be disturbed. Grasses that exist along the property line will be reseeded, providing a non-erosive cover

which will minimize erosion and the generation of sediment. Any disturbed area of the site where construction has ceased either permanently or temporarily (a period exceeding 14 days) will be stabilized with seeding and/or geotextile mats.

Structural Practices

Silt fencing will be installed along the north and east boundary of the property, where stormwater flow is directed. The silt fence location is depicted in Figure 2 of Appendix A. It will be inserted along the property on the north side of the property from the fence line to the eastern portion of the silt fence. The eastern portion of the silt fence will be on the west side of the tree line running along the railroad tracks. Below are some general instructions regarding silt fencing installation:

- Silt fencing should be set up according to the terrain, soil and run-off condensation.
- Silt fencing should be installed perpendicular to the slope of the land.
- Silt fence should be spaced away from the toe-of-slope, leaving enough room to accumulate sediment and to perform work.
- Fabric should be run continuously inside the stakes and secured with nails, staples or zip ties while allowing at least 1 foot to line the trench.
- Maintain the fence by checking the fabric for damage, failure of fence to withhold sediment, and damage to posts. Install additional back-up silt fence, if needed.
- Remove built-up sediment from silt fence.

Spill Prevention and Cleanup

Best Management Practices (BMPs) are in place to minimize the potential for contamination of runoff from pollutants located at the construction site. Potential pollutants include gasoline, hydraulic oil, transmission oil, antifreeze/coolant, diesel fuel, motor oil, greases, and/or construction products.

On-site personnel will have access to the necessary spill cleanup and containment equipment, such as: oil absorbent materials, brooms, shovels, rakes and containers to properly handle and dispose of any generated wastes.

Good housekeeping for storage and use of significant materials will help minimize the potential for spills to occur at this construction site. Good housekeeping practices that are appropriate for the site include:

- Materials handled and stored in tightly sealed, labeled containers;
- Containers stacked in a neat and orderly manner;
- An adequate supply of cleanup materials is consistently maintained on-site;
- Spill sources are located and repaired; and,
- Spills are cleaned immediately.

Endangered Species Protection

The Ecological Compliance Assessment Tool (EcoCAT) was used regarding the effects of construction on surrounding species and wildlife. EcoCAT identified Black-Billed Cuckoo (Coccyzus erythropthalmus), Common Moorhen (Gallinula chloropus), and Osprey (Pandion haliaetus) in the project vicinity.

Black-Billed Cuckoo (Coccyzus erythropthalmus)

Black-billed Cuckoo birds are plain brown above without cinnamon tones and white below with a red ring around the eye and a black bill. Black-billed Cuckoos tend to live in forest, woodlands, and scrub. The Cuckoo is small and difficult to see.

Common Moorhen (Gallinula chloropus)

Common Gallinules are mostly charcoal gray birds with a white stripe down their sides and white outer tail feathers. Adults have a bright red shield on their forehead and a red bill tipped in yellow. This bird typically resides in freshwater

or brackish marshes, ponds, and lakes with a mix of submerged, floating, and emergent vegetation and open water. They also forage in smaller ditches, canals, and rice fields.

Osprey (Pandion haliaetus)

The osprey, also called sea hawk, river hawk, and fish hawk, is a fish-eating bird of prey with a cosmopolitan range. It is a large raptor reaching more than 60 cm in length and 180 cm across the wings. It is brown on the upperparts and predominantly greyish on the head and underparts. The osprey is a large bird that builds it nest near water with abundant fish.

All on-site personnel will be educated about these species and will be instructed to contact the Department immediately if they are encountered in the project area. Personnel will complete the daily inspection form provided in Appendix B. Fliers with photos of the birds and life-history information will be distributed to personnel. The flier will contain contact information for the Department (217.785.5500). State-listed species will not be handled without the appropriate permits pursuant to the Illinois Endangered Species Protection Act. The correspondence from IDNR is provided in Appendix C.

Historic Preservation

This site is not in a location that contains historic preservation areas.

Use of Treatment Chemicals

No polymer flocculants or treatment chemicals will be utilized on-site.

Best Management Practices for Impaired Waters

No receiving waters from the project site are listed under Section 303(d) of the federal Clean Water Act and the Water Quality Planning and Management regulation for suspended solids, turbidity, or siltation.

Waste Disposal

All waste materials will be collected and stored in secure, lidded, metal dumpsters supplied by the local licensed solid waste management company near the construction location. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed. No construction waste materials will be buried on-site. All personnel will be instructed on the correct procedure for waste disposal.

Sanitary/Septic Disposal

An existing structure onsite contains facilities that properly dispose of sanitary/septic wastes. As part of this project, an additional septic tank and septic field will be installed to serve the new garage structure.

MAINTENENCE

Maintenance on all control measures and issues identified during inspections will be performed as necessary. It is the responsibility of the project site manager or his designee to determine when maintenance procedures are needed and verify that the maintenance is performed adequately. Maintenance procedures will be completed within 24 hours from the time that they are noted on the inspection reports. It is the responsibility of the project site manager or his designee to inspect the performance of the procedure and revise as necessary.

The SWPPP will be amended when there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to the waters of the state that was not previously addressed in the SWPPP. It will also be amended when inspections by site, local, state, or federal officials indicate that the SWPPP is not effective in eliminating or minimizing pollutants from the construction site or otherwise achieving the general objectives of controlling pollutants in the storm water discharges that are associated with construction activity.

INSPECTIONS

Endangered Species Protection Inspections

During excavation of topsoil, onsite personnel will perform daily inspections to locate trapped wildlife. If wildlife is found, personnel will follow instructions located on the distributed flier, or contact IDNR for further instructions. The daily inspection form can be found in Appendix B.

Control Inspections

All control measures will be inspected by a qualified individual weekly and following any storm event of 0.5 inches or greater. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit).

Control measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report. Silt fencing will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground. Reseeded grasses will be inspected for bare spots, washouts, and healthy growth.

All equipment will be inspected for leaks. Identified leaks will be repaired as soon as possible, and fluid leaks will be properly cleaned up and disposed of immediately upon discovery. Drip pans will be placed under equipment that is found leaking and cannot be immediately repaired.

A weekly inspection report will be documented. The weekly inspection report is provided in Appendix D. Completed reports will be made available to all local, state, and federal agencies upon request.

CORRECTIVE ACTIONS

If any of the following conditions are identified onsite, corrective action will be taken.

- A stormwater control needs repair or replacement.
- A stormwater control necessary to comply with the requirements of the general permit was never installed or was installed incorrectly.
- Discharges are causing an exceedance of applicable water quality standards.
- A prohibited discharge has occurred.

Corrective action should be completed as soon as possible and documented within 7 days in the weekly inspection report. If it is infeasible to complete the installation or repair within 7 days, the report should document why it is infeasible. Appendix E will be utilized to amend the Plan.

RECORD RETENTION

The property manager will retain copies of the SWPPP and all related reports and inspections for a period of at least 3 years. The property manager will retain copies of the SWPPP and any revisions to said SWPPP at the construction site from the date of project initiation to the date of final stabilization. Any documents referenced in the SWPPP will also be retained at the construction site. This includes the name, company, telephone number, email address, and address of the project site manager or a local contact person. The property manager will also keep the NPDES General Permit provided in Appendix F.

CONTRACTORS

All contractors and subcontractors that will implement the measures identified in the SWPPP must sign a copy of the certification statement provided in Appendix G.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for having knowledge of violations.

_____ _____

Signature Date

Mr. Rodriquez

The below mentioned individuals are responsible for the implementation of part or all of the Storm Water Pollution Prevention Plan components as well as the on-site day-to-day activities at this construction site.

_____ _____

Signature Date

_____

Title

_____ _____

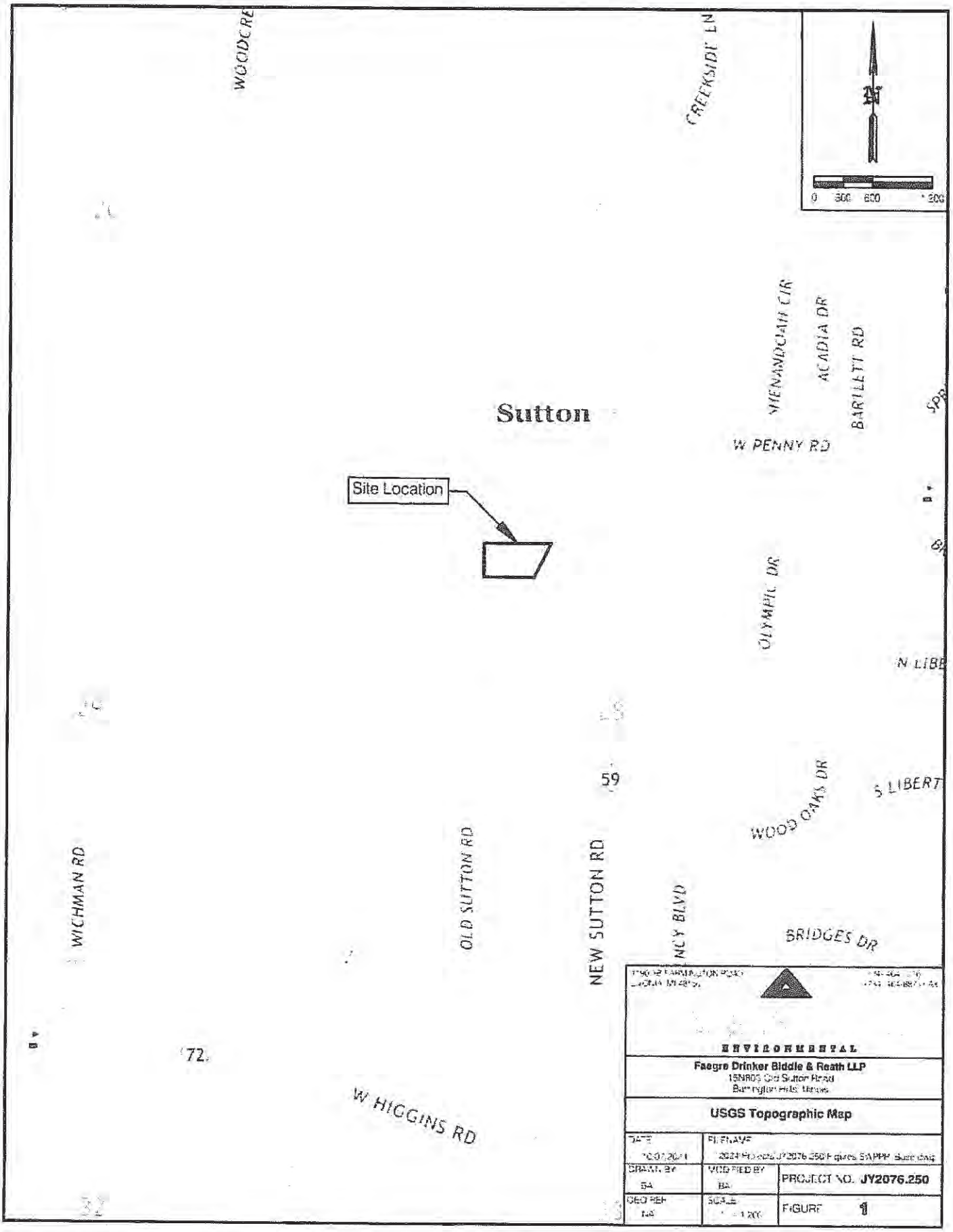
Signature Date

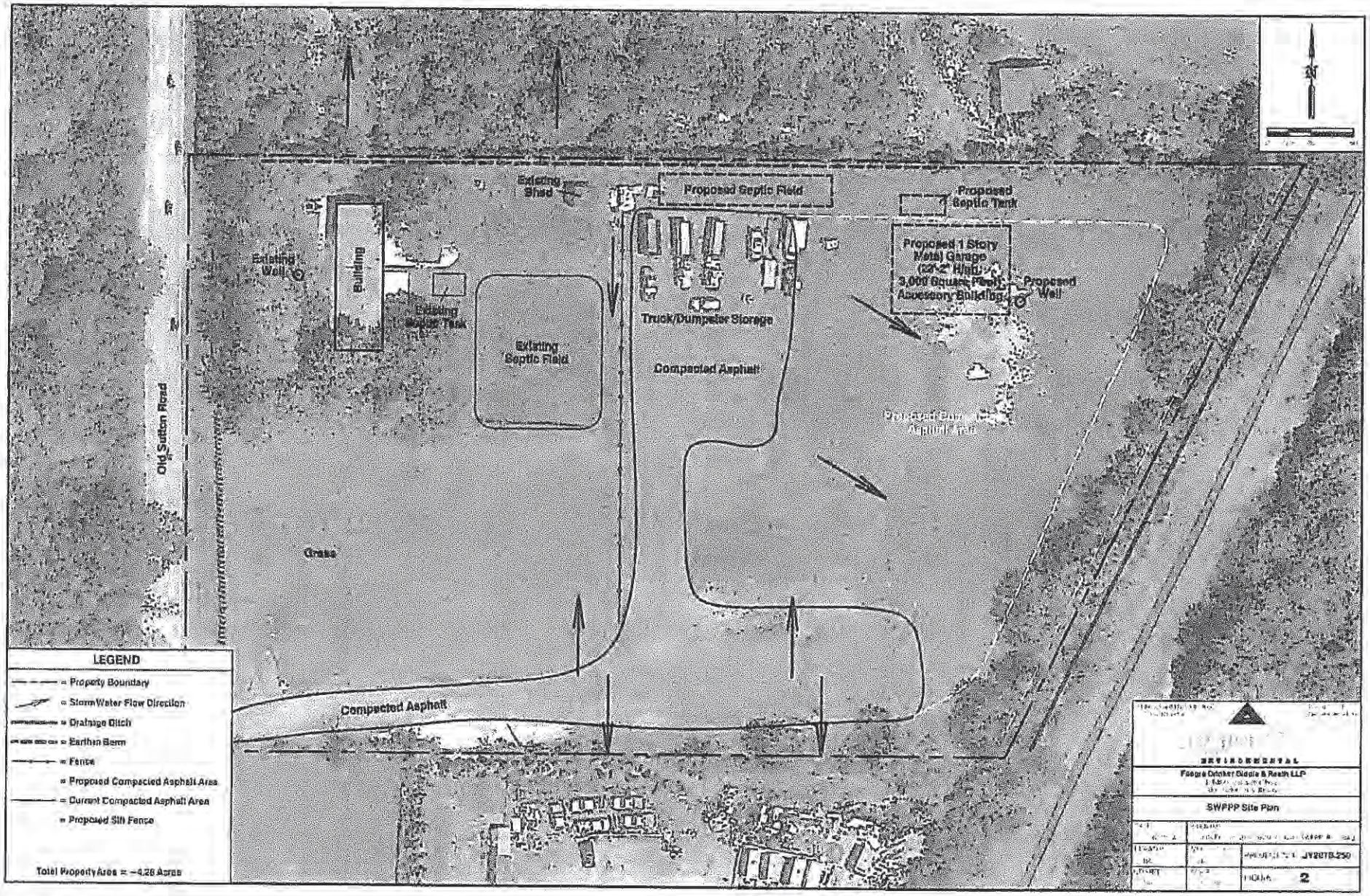
_____

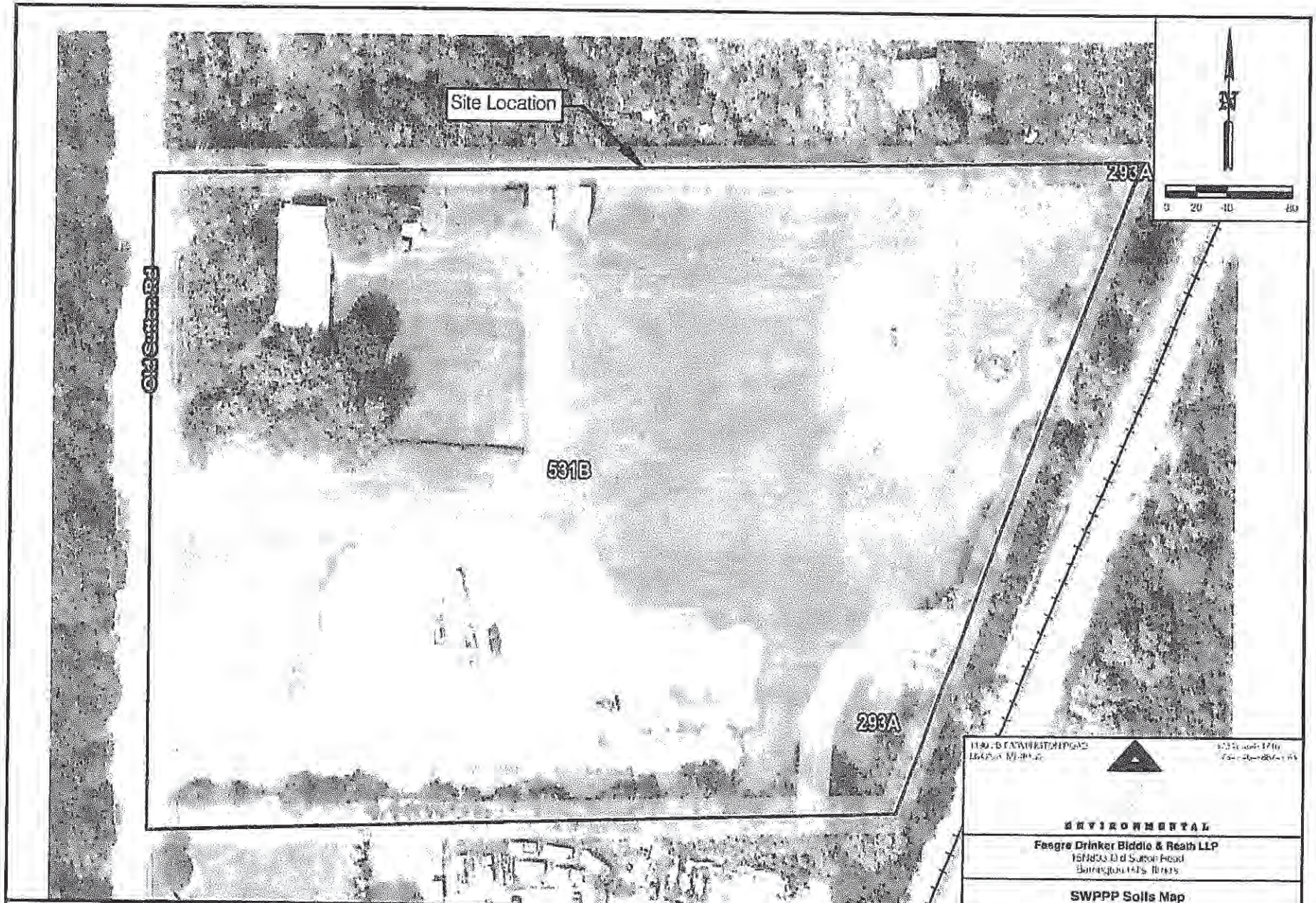
Title

APPENDIX A

Figures


WOODCRE
CREEKSIDE LN
0 300 600 1200
SHENANDOAH CIR
ACADIA DR
BARTLETT RD
Sutton
W PENNY RD
Site Location
OLYMPIC DR
N LIBE
59
S LIBERT
WOOD OAKS DR
WICHMAN RD
OLD SUTTON RD
NEW SUTTON RD
NCY BLVD
BRIDGES DR
72
W HIGGINS RD
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
USGS Topographic Map
PROJECT NO. JY2076.250
FIGURE 1


Existing Shed
Proposed Septic Field
Proposed Septic Tank
Proposed 1 Story Metal Garage (22'-2" High) 3,000 Square Feet Accessory Building
Proposed Well
Existing Well
Building
Existing Water Tank
Existing Septic Field
Truck/Dumpster Storage
Compacted Asphalt
Proposed Dumpster Asphalt Area
Old Sutton Road
Grass
Compacted Asphalt
LEGEND
= Property Boundary
= Storm Water Flow Direction
= Drainage Ditch
= Earthen Berm
= Fence
= Proposed Compacted Asphalt Area
= Current Compacted Asphalt Area
= Proposed Silt Fence
Total Property Area = ~4.28 Acres
ENVIRONMENTAL
Fidelgo Ostcher Didcia & Reath LLP
SWPPP Site Plan
JV2018.250
2



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
293A	Ashkum silt loam, 0 to 2 percent slopes	0.2	3.2%
531B	Markham silt loam, 2 to 4 percent slopes	4.5	96.8%
Totals for Area of Interest		4.7	100.0%

ENVIRONMENTAL

Faegre Drinker Biddle & Reath LLP
16N800 Old Sutton Road
Barrington Hills, Illinois

SWPPP Soils Map

DATE 10/07/2024	FILENAME [illegible]	
DRAWN BY RA	PROJECT MGR RA	PROJECT NO JY2076.250
CHECKED BY NA	SCALE Approx. 1" = 60'	FIGURE 3

APPENDIX B

Endangered Species Protection Daily Inspection Form

Endangered Species Protection Daily Inspection Form

Date: _____

	YES	NO
Excavation Area Inspected for Trapped Wildlife	☐	☐
Trapped Wildlife Encountered	☐	☐
If YES, was the Illinois Department of Natural Resources (IDNR) contacted?	☐	☐

If YES, explain further instructions from IDNR.

_____

_____

Signature (Person Conducting Inspection): _____

APPENDIX C

EcoCat Resource Review Results

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Applicant: Tessah Chappelow
Contact: Tessah Chappelow
Address: 1302 N Meridian
Suite 300
Indianapolis, IN 46202

IDNR Project Number: 2211559
Date: 04/04/2022

Project: 15N803 Old Sutton Road
Address: 15N803 Old Sutton Road, Barrington Hills

Description: Project will consist of adding a barn and additional asphalt to the site

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

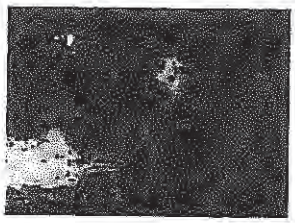
Black-Billed Cuckoo *(Coccyzus erythropthalmus)*
Common Moorhen *(Gallinula chloropus)*
Osprey *(Pandion haliaetus)*

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Cook

Township, Range, Section:
42N, 9E, 28



IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

EcoCAT Receipt

Project Code 2211559

APPLICANT	DATE
Tessah Chappelow Tessah Chappelow 1302 N Meridian Suite 300 Indianapolis, IN 46202	4/4/2022

DESCRIPTION	FEE	CONVENIENCE FEE	TOTAL PAID
EcoCAT Consultation	$ 25.00	$ 1.00	$ 26.00

TOTAL PAID $ 26.00

Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
217-785-5500
dnr.ecocat@illinois.gov

APPENDIX D

Weekly Inspection Report

Weekly Site/BMP Inspection Form

Date: _____

Days since last rainfall: _____

Amount of last rainfall _____ inches

Controls in place (please list all controls that are currently in place at the site):

_____

_____

Maintenance Required for Controls (please list necessary maintenance)?

_____

_____

Erosion Present (please indicate location)?

_____

_____

Maintenance Work Completed (please list what was done, by whom, and the date completed):

_____

_____

Is plan still accurate?

_____

Signature (Person Conducting Inspection): _____

APPENDIX E

Plan Amendments Form

Please indicate any amendments that are made to the original Storm Water Pollution Prevention Plan on this page.

Date	Changes Made to the Plan	Page(s)	Initials

APPENDIX F

NPDES General Permit No. ILR10

NPDES Permit No. ILR10

General NPDES Permit No. ILR10

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
www.epa.state.il.us

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

General NPDES Permit
For
Storm Water Discharges From Construction Site Activities

Expiration Date:	August 31, 2028	**Issue Date:**	September 13, 2023
		Effective Date:	September 22, 2023

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control

Part I. COVERAGE UNDER THIS PERMIT

A. Permit Area. The permit covers all areas of the State of Illinois with discharges to any Waters of the United States.

B. Eligibility.

1. This permit shall authorize all discharges of storm water associated with industrial activity from a construction site that will result in the disturbance of one or more acres total land area or a construction site less than one acre of total land that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area. This permit may authorize discharges from other construction site activities that have been designated by the Agency as having the potential to adversely affect the water quality of Waters of the United States. Where discharges from construction sites were initially covered under the previous version of the ILR10, the Notice of Intent and Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

2. This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

   a. the industrial source other than construction is located on the same site as the construction activity;

   b. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit, and

   c. storm water discharges associated with industrial activity from the areas of the site where industrial activities other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or an individual permit authorizing such discharges.

3. Limitations on Coverage. The following storm water discharges from construction sites are not authorized by this permit:

   a. storm water discharges associated with industrial activities that originate from the site after construction activities have been completed and the site has undergone final stabilization;

   b. discharges that are mixed with sources of non-storm water other than discharges identified in Part III A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV D 5 (Non-Storm Water Discharges) of this permit.

c storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges

d storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard

e storm water discharges that the Agency at its discretion, determines are not appropriately authorized or controlled by this general permit, and

f storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d)(6)

C Authorization.

1 In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below.

2 Where a new contractor is selected after the submittal of an NOI under Part II below, or where site ownership is transferred, the Notice of Intent (NOI) must be modified by the owner in accordance with Part II within 30 days of commencement of work of the new contractor

3 Unless notified by the Agency to the contrary, dischargers who submit an NOI and a stormwater pollution prevention plan (SWPPP) in accordance with the requirements of this permit are authorized to discharge storm water from construction sites under the terms and conditions of this permit in 30 days after the date the NOI and SWPPP are received by the Agency.

4 The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information

Part II. NOTICE OF INTENT REQUIREMENTS

A Deadlines for Notification.

1 To receive authorization under this general permit, a discharger must submit a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this Part in sufficient time to allow a 30 day review period after the receipt of the NOI by the Agency and prior to the start of construction. In compliance with the Federal Electronic Reporting Rule, the Agency has transitioned all General Storm Water Permits for Construction Site Activities to the Central Data Exchange (CDX) system. NOIs shall be submitted electronically at https://cdx.epa.gov. More information, including registration information for the CDX system can be obtained on the IEPA website, https://epa.illinois.gov/topics/forms/water-permits/storm-water/construction.html.

2. Where discharges associated with construction activities were initially covered under the previous version of ILR10 and are continuing a new NOI and updated/revised Storm Water Pollution Prevention Plan must be submitted within 180 days of the effective date of this reissued permit, as necessary to ensure compliance with the provisions of the reissued ILR10. Updating of the SWPPP is not required if construction activities are completed and a Notice of Termination is submitted within 180 days of the effective date of this permit

3 A discharger may submit an NOI in accordance with the requirements of this Part after the start of construction. In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

B Failure to Notify. Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the United States without an NPDES permit are in violation of the Environmental Protection Act and Clean Water Act.

C Contents of Notice of Intent. The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information as prompted by the CDX system

1 The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

2 The owner's name, address, telephone number, and status as Federal, State, private, public or other entity,

3 The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal,

4 The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s), the latitude and longitude of the discharge point, and any known impairments and completed TMDLs for the receiving water,

5. The number of any NPDES permits for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit.

6 A description of the project, detailing the complete scope of the project estimated timetable for major activities, an estimate of the number of acres of the site on which soil will be disturbed, an indication of whether or not the installation of stormwater controls will require subsurface earth disturbance, an indication of whether or not the pre-development land was used for agriculture, and an indication of whether or not the project will include demolition of structures built or renovated before January 1, 1980,

7 For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency

agreements with those agencies, the NOI shall indicate that such compliance has occurred

8. An indication of whether or not polymers, flocculants, cationic treatment chemicals, or other treatment chemicals will be used at the construction site.

9. An electronic copy of the storm water pollution prevention plan that has been prepared for the site in accordance with Part IV of this permit

10. The notice of intent shall be modified using the CDX system for any substantial modifications to the project such as address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications. The notice of intent shall be modified within 30 days of the modification to the project.

D. **Where to Submit**

Construction activities which discharge storm water that requires a NPDES permit submit an NOI to the Agency. The applicable fee shall also be submitted. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. The NOI and SWPPP must be submitted to the Agency electronically using the CDX system with digital signature at the following website address: https://cdx.epa.gov Registration specific to the permittee is required in order to file electronically

Submit the appropriate fee with the permit ID number assigned during completion of the NOI to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control, Mail Code #15
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

E. **Additional Notification** Construction activities that are operating under approved local sediment and erosion plans, land disturbance permits, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV D 2 d (Approved State or Local Plans). A copy of the NOI shall be sent to the entity holding an active General NPDES Permit No. ILR40 if the permittee is located in an area covered by an active ILR40 permit.

F. **Notice of Termination**. Where a site has completed final stabilization and all storm water discharges from construction activities that are authorized by this permit are eliminated, the permittee must submit a completed Notice of Termination (NOT) that is signed in accordance with Part VI G (Signatory Requirements) of this permit. All Notices of Termination are to be submitted to the Agency electronically using the CDX system with digital signatures, at the web address listed in Part II.D.

Part III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A. **Prohibition on Non-Storm Water Discharges**

1. Except as provided in Part I paragraph B 2 and paragraphs 2, 3 or 4 below, all discharges covered by this permit shall be comprised entirely of storm water.

2. a. Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge

   b. The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with Part IV D 5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings, waters used to wash vehicles where detergents are not used, waters used to control dust; potable water sources including uncontaminated waterline flushings; landscape irrigation drainages; routine external building washdown which does not use detergents, pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, uncontaminated air conditioning condensate, uncontaminated spring water, uncontaminated ground water, and foundation or footing drains where flows are not contaminated with process materials such as solvents

3. The following non-storm water discharges are prohibited by this permit: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution

4. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are allowable if managed by appropriate controls.

   a. Dewatering discharges shall be routed through a sediment control (e.g., sediment trap or basin, pumped water filter bag) designed to minimize discharges with visual turbidity.

   b. The discharge shall not include visible floating solids or foam.

   c. The discharge must not cause the formation of a visible sheen on the water surface, or visible oily deposits on the bottom or shoreline of the receiving water. An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to or expected to contain these materials;

   d. To the extent feasible, use well-vegetated (e.g., grassy or wooded), upland areas of the site to infiltrate dewatering water before discharge. You are prohibited from using receiving waters as part of the treatment area;

   e. To minimize dewatering-related erosion and related sediment discharges, use stable, erosion-resistant surfaces (e.g., well-vegetated

grassy areas, clean filter stone, geotextile underlayment) to discharge from dewatering controls. Do not place dewatering controls, such as pumped water filter bags, on steep slopes (15% or greater in grade).

f. Backwash water (water used to backwash/clean any filters used as part of stormwater treatment) must be properly treated or hauled off site for disposal, and

g. Dewatering treatment devices shall be properly maintained.

B. **Discharges into Receiving Waters with an Approved Total Maximum Daily Load (TMDL):**

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless the owner/operator develops and certifies a SWPPP that is consistent with wasteload allocations in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions and/or Best Management Practices applicable to their discharges necessary for consistency with the TMDL within any timeframes established in the TMDL. If a specific numeric waste load allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation.

Please refer to the Agency website at: https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls/reports.html

C. In the absence of information demonstrating otherwise, it is expected that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If at any time you become aware that discharges are not being controlled as necessary to meet applicable water quality standards, you must take corrective action as required in Part IV.D.5 of this Permit. Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of best management practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. **Deadlines for Plan Preparation and Compliance**

The plan shall:

1. Be completed prior to the start of the construction activities to be covered under this permit and submitted electronically to the Agency at the time the Notice of Intent is submitted, and

2. Provide for compliance with the terms and schedules of the plan beginning with the initiation of construction activities.

B. **Signature, Plan Review and Notification**

1. The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained at the construction site which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit. If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site.

2. Prior to commencement of construction, the permittee shall provide the plan to the Agency.

3. The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system. A list of permitted municipal separate storm sewer systems is available at https://epa.illinois.gov/topics/forms/water-permits/storm-water/urbanized-areas.html

4. The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit.

5. A copy of the letter of notification of coverage along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit).

6. All storm water pollution prevention plans and all completed inspection forms/reports required under this permit are considered reports that shall be available to the public within 30 days upon request. If a storm water pollution prevention plan or inspection form/report cannot be provided, the permittee shall respond to the request within 30 days with a statement that explains why the document cannot be provided. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2.

C. **Keeping Plans Current.** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the United States and which has not otherwise been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure

of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV B above. The SWPPP and site map must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the storm water pollution prevention plan shall be kept on site at all times.

D. **Contents of Plan.** The storm water pollution prevention plan shall include the following items:

1. **Site Description.** Each plan shall provide a description of the following:

   a. A description of the nature of the construction activity or demolition work;

   b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils, on-site or off-site storage of materials);

   c. An estimate of the total area of the site and the total area of the site that is expected to be disturbed by clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils and storage of materials, or other activities;

   d. An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

   e. A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, locations of on-site or off-site soil stockpiling or material storage, surface waters (including wetlands), and locations where storm water is discharged to a surface water or MS4. For sites discharging to an MS4, a separate map identifying the location of the construction site and the location where the MS4 discharges to surface water must also be included; and

   f. The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.

2. **Controls.** Each plan shall include a description of appropriate controls that will be implemented at the construction site and any off-site stockpile or storage area unless already authorized by a separate NPDES permit. The plan shall include details or drawings that show proper installation of controls and BMPs. The Illinois Urban Manual https://illinoisurbanmanual.org/ or other similar documents shall be used for developing the appropriate management practices, controls or revisions of the plan. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained and/or repaired until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization. The description of controls shall address as appropriate the following minimum components:

   a. **Erosion and Sediment Controls.** The permittee shall design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:

      (i) Control storm water volume and velocity within the site to minimize soil erosion;
      (ii) Control storm water discharges, including both peak flowrates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;
      (iii) Minimize the amount of soil exposed during construction activity through the use of project phasing or other appropriate techniques;
      (iv) Minimize the disturbance of steep slopes;
      (v) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site. Install sediment controls along any perimeter areas of the site that are downslope from any exposed soil or other disturbed areas, with both ends of the perimeter control installed upslope (e.g., at 45 degrees) to prevent stormwater from circumventing the edge of the perimeter control. After a storm event, if there is evidence of stormwater circumventing or undercutting the perimeter control, extend controls and/or repair undercut areas to fix the problem.
      (vi) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infiltration would be inadvisable due to the underlying geology (e.g., karst topography) and ground water contamination concerns, or infeasible due to site conditions;
      (vii) Minimize soil compaction and, unless infeasible, preserve topsoil;
      (viii) Minimize sediment track-out. Where sediment has been tracked out from your site onto paved roads, sidewalks, or other paved areas outside of your site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any Water of the U.S., or to any stormwater conveyance or storm drain inlet, or constructed or natural site drainage features, unless the feature is connected to a sediment basin, sediment trap, or similarly effective control; and;
      (ix) Minimize dust. On areas of exposed soils, minimize the generation of dust through the appropriate application of water or other dust suppression techniques.

   b. **Stabilization Practices.** The storm water pollution prevention plan shall include a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where practicable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated, shall be included in the plan. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working

day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Exceptions to these time frames are specified as provided in paragraphs (i) and (ii) below:

(i) Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
(ii) On areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used. Temporary stabilization techniques and materials shall be described in the SWPPP.
(iii) Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.

c. **Structural Practices.** A description of structural practices utilized to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.

(i) The following design requirements apply to sediment basins if such structural practices will be installed to reduce sediment concentrations in storm water discharges:

a. When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize the discharge.
b. Minimize erosion of the sediment basin using stabilization controls (e.g., erosion control blankets), at the inlet and outlet using erosion controls and velocity dissipation devices.
c. Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.

(ii) The following requirements apply to protecting storm drain inlets:
a. Install inlet protection measures that minimize sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet, and
b. Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.
c. Where inlet protection measures are not required because the storm drain inlets to which your site discharges are conveyed to a sediment basin, sediment trap, or similarly effective control, include a short description of the control that receives the stormwater flow from the site.

d. **Use of Treatment Chemicals.** Identify the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified along with any information from any Material Safety Data Sheet. Describe the location of all storage areas for chemicals. Include any information from the manufacturer's specifications. Treatment chemicals must be stored in areas where they will not be exposed to precipitation. The SWPPP must describe procedures for use of treatment chemicals and staff responsible for use/application of treatment chemicals must be trained on the established procedures.

e. **Best Management Practices for Impaired Waters.** For any site which discharges directly to an impaired water identified on the Agency's website for 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria. Please refer to the Agency's website at: https://epa.illinois.gov/topics/water-quality/watershed-management/tmdls/303d-list.html

f. **Pollution Prevention.** The permittee shall design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
(ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water. Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or when exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);
(iii) Minimize the exposure of fuel, oil, hydraulic fluids, other petroleum products and other chemicals by storing in covered areas or containment areas. Any chemical container with a storage of 55 gallons or more must be stored a minimum of 50 feet from receiving waters, constructed or natural site drainage features, and storm drain inlets. If infeasible due to site constraints, store containers as far away as the site permits and document in your SWPPP the specific reasons why the 50-foot setback is infeasible and how the containers will be stored, and
(iv) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

g. **Other Controls.**

(i) Waste Disposal. No solid materials, including building materials, shall be discharged to Waters of the United States, except as authorized by a Section 404 permit.
(ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
(iii) For construction sites that receive concrete or asphalt from off-site locations, the plan must identify and include appropriate controls and measures to reduce or eliminate discharges from these activities.
(iv) The plan shall include spill response procedures and provisions for reporting if there are releases in excess of reportable quantities.
(v) The plan shall ensure that regulated hazardous or toxic waste must be stored and disposed in accordance with any applicable State

and Federal regulations.

h **Best Management Practices for Post-Construction Storm Water Management** Describe the measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

(i) While not mandatory, it is advisable that the permittee consider including in its storm water pollution prevention plan and design and construction plans methods of post-construction storm water management to retain the greatest amount of post-development storm water run-off practicable given the site and project constraints. Such practices may include but are not limited to storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff onsite, and sequential systems (which combine several practices). Technical information on many post-construction storm water management practices is included in the Illinois Urban Manual (2017).

The storm water pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where post-construction flows will exceed predevelopment levels.

(ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

(iii) Unless otherwise specified in the Illinois Urban Manual (2017), the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

i **Approved State or Local Plans**

(i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in the Illinois Urban Manual, (2017). Construction activities which discharge storm water must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion control plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion control plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit. The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

(ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

j **Natural Buffers.** For any stormwater discharges from construction activities within 50 feet of a Waters of the United States, except for activities for water-dependent structures authorized by a Section 404 permit, the permittee shall:

(i) Provide a 50-foot undisturbed natural buffer between the construction activity and the Waters of the United States, or
(ii) Provide additional erosion and sediment controls within that area.

3 **Maintenance.**

a. The plan shall include a description of procedures to maintain in good and effective operating conditions, all erosion and sediment control measures and other Best Management Practices, including vegetation and other protective measures identified in the Storm Water Pollution Prevention Plan.

b. Where a basin has been installed to control sediment during construction activities, the Permittees shall keep the basin(s) in effective operating condition and remove accumulated sediment as necessary. Sediment shall be removed in accordance with the Illinois Urban Manual (2017) or more frequently. Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place.

c. Other erosion and sediment control structures shall be maintained and cleaned as necessary to keep structure(s) in effective operating condition, including removal of excess sediment as necessary.

4 **Inspections.** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm or by the end of the following business or work day that is 0.50 inches or greater. Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment controls measures, such as a licensed Professional Engineer (P.E.), a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI), a Certified Stormwater Inspector (CSI), a person that has successfully completed the Federal CGP Inspector Training offered by USEPA, or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities. Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within 72 hours of becoming accessible.

a. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit). Weekly inspections will recommence when construction activities are conducted, or if there is a 0.50 inches or greater rain event, or a discharge due to snowmelt occurs

b. Disturbed areas, areas used for storage of materials that are exposed to precipitation and all areas where stormwater typically flows within the site shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. All locations where stabilization measures have been implemented shall be observed to ensure that they are still stabilized. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

c. For sites discharging dewatering water, you must conduct an inspection during the discharge, once per day on which the discharge occurs and record the following in a report within 24 hours of completing the inspection:

(i) The inspection date;
(ii) Names and titles of personnel performing the inspection;
(iii) Approximate times that the dewatering discharge began and ended on the day of inspection;
(iv) Estimates of the rate (in gallons per day) of discharge on the day of inspection;
(v) Whether or not any of the following indications of pollutant discharge were observed at the point of discharge: a sediment plume, suspended solids, unusual color, presence of odor, decreased clarity, or presence of foam; and/or a visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water

d. Based on the results of the inspection, the description of potential pollutant sources identified in the storm water pollution prevention plan in accordance with Part IV.D.1 (Site Description) of this permit and the pollution prevention control measures identified in the plan in accordance with Part IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection to minimize the potential for such discharges. Such modifications shall provide for timely implementation of any changes to the plan and pollution prevention control measures within 7 calendar days following the inspection

e. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. All inspection reports shall be retained at the construction site. The report shall be signed in accordance with Part VI G (Signatory Requirements) of this permit. Any flooding or other unsafe conditions that delay inspections shall be documented in the inspection report

f. The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax (see Attachment A) within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. Corrective actions must be undertaken immediately to address the identified non-compliance issue(s)

g. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI G (Signatory Requirements)

h. After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of noncompliance shall be mailed to the Agency at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

5. **Corrective Actions.** You must take corrective action to address any of the following conditions identified at your site

a. A stormwater control needs repair or replacement, or

b. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly, or

c. Your discharges are causing an exceedance of applicable water quality standards, or

d. A prohibited discharge has occurred

Corrective Actions shall be completed as soon as possible and documented within 7 days in an Inspection Report or report of noncompliance. If it is infeasible to complete the installation or repair within seven (7) calendar days, you must document in your records why it is infeasible to complete the installation or repair within the 7-day timeframe and document your schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe

In the event that maintenance is required for the same stormwater control at the same location three or more times, the control shall be repaired in a manner that prevents continued failure to the extent feasible, and you must document the condition and how it was repaired in your records. Alternatively, you must document in your records why the specific reoccurrence of this same issue should continue to be addressed as a routine maintenance fix.

6. **Non-Storm Water Discharges** Except for flows from fire fighting activities, sources of non-storm water listed in Part III A 2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. **Additional requirements for storm water discharges from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants.** This permit may only authorize any storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

1. The industrial source other than construction is located on the same site as the construction activity,

2. Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit, and

3. Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants [other than asphalt emulsion facilities] and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

F. **Contractors.**

1. The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractors.

2. **Certification Statement.** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph 1 above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

> "I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

The certification must include the name and title of the person providing the signature in accordance with Part VI.G of this permit; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

Part V. RETENTION OF RECORDS

A. The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, records of all data used to complete the Notice of Intent to be covered by this permit and the Agency Notice of Permit Coverage letter for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.

B. The permittee shall retain a copy of the storm water pollution prevention plan and any revisions to said plan required by this permit at the construction site from the date of project initiation to the date of final stabilization. Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site.

Part VI. STANDARD PERMIT CONDITIONS

A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Illinois Environmental Protection Act and the CWA and is grounds for enforcement action, for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Failure to obtain coverage under this permit or an individual permit for storm water releases associated with construction activities is a violation of the Illinois Environmental Protection Act and the CWA.

B. **Continuation of the Expired General Permit.** This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those construction activities authorized to discharge under the expiring general permit are covered by the continued permit.

C. **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. **Duty to Provide Information.** The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans, or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans, or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of all records required to be kept by this permit.

F. **Other Information.** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.

G. **Signatory Requirements.** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the

Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.

1. All Notices of Intent shall be signed as follows

   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or (2) any person authorized to sign documents that has been assigned or delegated said authority in accordance with corporate procedures,

   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively, or

   c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency

2. All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if

   a. The authorization is made in writing by a person described above and submitted to the Agency.

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

   c. **Changes to Authorization.** If an authorization under Part I C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of Part I C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative

   d. **Certification.** Any person signing documents under this Part shall make the following certification.

      "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. **Penalties for Falsification of Reports.** Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

I. **Penalties for Falsification of Monitoring Systems.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation

J. **Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA

K. **Property Rights.** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations

L. **Severability.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby

M. **Transfers.** This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I C (Authorization).

N. **Requiring an Individual Permit or an Alternative General Permit**

1 The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:

a. information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6).

b. whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing.

c. size of construction site, proximity of site to the receiving stream, etc.

The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.

2 Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.25(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

3 When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.

O. **State/Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

P. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all construction activities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

Q. **Inspection and Entry.** The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated construction activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

R. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

S. **Bypasses and Upsets.** The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

Part VII. REOPENER CLAUSE

A. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit (in accordance with Part I. C. Authorization) or this permit or the permit may be modified to include different limitations and/or requirements.

B. Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

C. The Agency will reopen and modify this permit under the following circumstances:

1. the U.S. EPA amends its regulations concerning public participation;

2. a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit Court of Appeals issues an order necessitating a modification of public participation for general permits; or

3. to incorporate federally required modifications to the substantive requirements of this permit

Part VIII. DEFINITIONS

"Agency" means the Illinois Environmental Protection Agency

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage

"Commencement of Construction or Demolition Activities" The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction or demolition activities

"Common Plan of Development or Sale" A contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one common plan. The "common plan" of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating construction activities may occur on a specific plot.

"Construction Activities" Earth disturbing activities, such as clearing, grading and excavation of land. For purposes of this permit, construction activities also means construction site, construction site activities, or site. Construction activities also include any demolition activities at a site.

"Construction Site" or "Site" The land or water area where construction activities will occur and where stormwater controls will be installed and maintained. The construction site includes construction support activities, which may be located at a different part of the property from where the primary construction activity will take place, or on a different piece of property altogether

"Construction Support Activity" A construction-related activity that specifically supports the construction activity and involves earth disturbance or pollutant-generating activities of its own, and can include activities associated with concrete or asphalt batch plants, equipment staging yards, materials storage areas, excavated material disposal areas, and borrow areas

"Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit.

"CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (95-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

"Dedicated portable asphalt plant" A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

"Dedicated portable concrete plant" A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to

"Dedicated sand or gravel operation" An operation that produces sand and/or gravel for a single construction project

"Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and either of the two following conditions are met.

(i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or

(ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed

For individual lots in residential construction, final stabilization means that either:

(i) The homebuilder has completed final stabilization as specified above, or

(ii) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization

"Impairment" is the status of a surface water in which an applicable water quality standard is not being attained for a particular pollutant

"Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

(i) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122), or

(ii) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122), or

(iii) Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system

NPDES Permit No. ILR10

"NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

"NOT" means notice of termination of coverage by this permit (See Part II of this permit.)

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm Water Control" means any best management practice or other method (including narrative effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the United States.

"Total Maximum Daily Loads (TMDLs)" The calculation of the maximum amount of a pollutant allowed to enter a waterbody so that the waterbody will meet and continue to meet water quality standards for that particular pollutant. A TMDL determines a pollutant reduction target and allocates load reductions necessary to the source(s) of the pollutant.

"Turbidity" means a condition of water quality characterized by the presence of suspended solids and/or organic material.

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned, provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

"Work day" for the purpose of this permit, a work day is any calendar day on which construction activities will take place.

Attachment A

Division of Water Pollution Control
Regions by County

Des Plaines Region (FOS 2) Manager 847/294-4000

Boone	Cook	DeKalb	DuPage	Grundy	Jo Daviess
Kane	Kankakee	Kendall	Lake	Lee	McHenry
Ogle	Stephenson	Will	Winnebago		

Peoria Region (FOS 3) Manager 309/671-3022

Bureau	Carroll	Fulton	Hancock	Henderson	Henry
Knox	LaSalle	Marshall	McDonough	Mercer	Peoria
Putnam	Rock Island	Stark	Tazewell	Warren	Whiteside
Woodford					

Champaign Region (FOS 4) Manager 217/278-5800

Champaign	Clark	Coles	Crawford	Cumberland	DeWitt
Douglas	Edgar	Effingham	Ford	Iroquois	Jasper
Livingston	Macon	McLean	Moultrie	Piatt	Shelby
Vermilion					

Springfield Region (FOS 5) Manager 217/557-8761

Adams	Brown	Calhoun	Cass	Christian	Green
Jersey	Logan	Macoupin	Mason	Menard	Montgomery
Morgan	Pike	Sangamon	Schuyler	Scott	

Collinsville Region (FOS 6) Manager 618/346-5120

Bond	Clinton	Fayette	Madison	Marion	Monroe
Randolph	St. Clair	Washington			

Marion Region (FOS 7) Manager 618/993-7200

Alexander	Clay	Edwards	Franklin	Gallatin	Hamilton
Hardin	Jackson	Jefferson	Johnson	Lawrence	Massac
Perry	Pope	Pulaski	Richland	Saline	Union
Wabash	Wayne	White	Williamson		

Attachment H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act 415 ILCS 5 as Amended

Agency means the Illinois Environmental Protection Agency

Board means the Illinois Pollution Control Board

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended 33 U S C 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying revoking and reissuing terminating monitoring and enforcing permits, and imposing and enforcing pretreatment requirements under Sections 307 402 318 and 405 of the Clean Water Act

USEPA means the United States Environmental Protection Agency

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24-Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period

8-Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

(1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance modification, or for denial of a permit renewal application The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements

(2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

(3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

(6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

(7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.

(8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.

(c) Records of monitoring information shall include:

(1) The date, exact place, and time of sampling or measurements;

(2) The individual(s) who performed the sampling or measurements;

(3) The date(s) analyses were performed;

(4) The individual(s) who performed the analyses;

(5) The analytical techniques or methods used; and

(6) The results of such analyses.

(d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement** All applications, reports or information submitted to the Agency shall be signed and certified.

(a) **Application.** All permit applications shall be signed as follows:

(1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

(b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in paragraph (a); and

(2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and

(3) The written authorization is submitted to the Agency.

(c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

(12) **Reporting requirements.**

(a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
Notice is required when:

(1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or

(2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).

(3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

(b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) **Transfers.** This permit is not transferable to any person except after notice to the Agency.

(d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date

(e) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit

(1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

(2) If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR

(3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(f) **Twenty-four hour reporting** The permittee shall report any noncompliance which may endanger health or the environment Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit

(2) Any upset which exceeds any effluent limitation in the permit.

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.

(g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).

(h) **Other Information** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Bypass.**

(a) Definitions.

(1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

(2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

(b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).

(c) Notice.

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice)

(d) Prohibition of bypass.

(1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:

(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance, and

(iii) The permittee submitted notices as required under paragraph (13)(c)

(2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).

(14) **Upset**

(a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

(b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

(c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated; and

(3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).

(4) The permittee complied with any remedial measures required under paragraph (4).

(d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

(15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:

(a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

(b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:

(1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date,
(2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
(3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.

(16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
(1) One hundred micrograms per liter (100 ug/l);
(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
(3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
(4) The level established by the Agency in this permit
(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.

(17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
(a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
(b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
(c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

(18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
(a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
(b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
(c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.

(19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.

(20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.

(21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.

(22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than one year, or both.
Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).

(23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both

(24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

(26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.

(27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.

(28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

(Rev. 7-9-2010 bah)

APPENDIX G

Contractors Certification Form

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construct site identified as part of this certification.

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

Contracting Firm Name:

Address: Phone Number

Signature: Title: Date:

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

Faegre Drinker Biddle & Reath, LLP

PROJECT #: JW0818.250

PREPARED FOR:
15N803 Old Sutton Road
Barrington Hills, Illinois

ISSUE DATE:
May 2022

August Mack
ENVIRONMENTAL

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JW0818.250

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CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
FAEGRE DRINKER BIDDLE AND REATH, LLP
15N803 OLD SUTTON ROAD
BARRINGTON HILLS, ILLINOIS
AUGUST MACK PROJECT NUMBER: JW0818.250

INTRODUCTION

It should be noted that this SWPPP has been completed in accordance with the requirements outlined in the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 for Stormwater Discharges for Construction Site Activities. The plan complies with all federal, state, and local regulations pertaining to this construction project.

SITE DESCRIPTION

The property is located at 15N803 Old Sutton Road in Barrington Hills, Illinois which consists of approximately 4.26 acres in unincorporated Cook County. The property consisted of a residential dwelling along the western portion and a compacted asphalt storage pad and driveway along the southern and central portions of the property. The site is bordered by vegetation from wooded areas to the north, a railway to the west, as well as nearby residential properties to the south and east. The property coordinates are 42° 5′ 36.33″ N latitude and 88° 11′39.09″ W longitude. There is a single-entry point for all vehicles along Old Sutton Road. The property owner will be building a shed on the property as a homeowner-contractor.

Stormwater will exit the site via sheet flow to the south. The southern end of the property has a slight elevation which causes storm water to flow back inwards. For the water that leaves the property it will flow to the east towards the drainage ditch along the railroad track. From there, the water will enter a culvert that ultimately discharges to Spring Creek. Spring Creek is located approximately a quarter of a mile south of the site.

The location is depicted on the vicinity map provided as Figure 1 of Appendix A. It contains the following:

- Surface Waters
- Stormwater Discharge Location on Surface Waters
- Receiving Waters
- Ultimate Receiving Waters
- Wetlands

Construction Description

The site will have a building added to it as well as increased asphalt area. The estimated duration of construction is six to eight weeks and will include the disturbance of approximately 1 acre of soil. The intended sequence of activities (related to soil disturbance) to occur is as follows:

1. Silt Fence Installation
2. Excavation of Existing Topsoil
3. Existing Topsoil Stockpiled Offsite
4. Addition of Compacted Asphalt

The site plan with the existing site conditions and intended construction activities is provided as Figure 2 of Appendix A. It contains the following:

- Stormwater Flow
- Vehicle Entrance and Exit
- Controls to Prevent Offsite Sediment Tracking
- Structural and Nonstructural Controls
- Silt Fence Locations

No grading activities will occur during construction. Slopes are anticipated to remain the same as prior to construction. No soil stockpiling or material storage will occur on-site during construction.

The primary soil found in the area of disturbance is Markham silt loam. The soils map provided as Figure 3 of Appendix A contains the following:

- Soil Types
- Slope Percentages
- Areas of Soil Disturbance

Soil information for the location was obtained from the Natural Resources Conservation Service (NRCS) United States Department of Agriculture (USDA) database. The Markham series consists of very deep, moderately well drained soils on Wisconsin till plains. They formed in a thin layer of loess or silty material and in the underlying silty clay loam till. Slopes range from 0 to 20 percent. The potential for surface runoff ranges from low to high. Permeability is slow. To limit erosion of soil, best management practices (BMPs) will be implemented.

CONTROLS

Erosion and Sediment Controls

Vehicles that exit the site will go through the Truck Clean Off/Inspection Area. This practice will minimize sediment track-out and the generation of dust with the application of water. If an excess amount of sediment accumulates on the public road, the project site manager will designate someone to sweep the roads.

The excavation of existing topsoil will be constrained to a limited area of approximately 1 acre. Only the required roadways onsite will be affected. Topsoil outside of the property will be not disturbed.

Stabilization Practices

Existing vegetation in the surrounding property (wooded areas) will not be disturbed. Grasses that exist along the property line will be reseeded, providing a non-erosive cover

which will minimize erosion and the generation of sediment. Straw bales will be placed appropriately on-site. The site has limited slopes and elevations, which slows down the velocity of runoff. The property will release runoff to the southeast corner of the site.

Structural Practices

Silt fencing will be installed along the north and east boundary of the property, where stormwater flow is directed. The silt fence location is depicted in Figure 2 of Appendix A. It will be inserted along the property on the north side of the property from the fence line to the eastern portion of the silt fence. The eastern portion of the silt fence will be on the west side of the tree line running along the railroad tracks. Below are some general instructions regarding silt fencing installation:

- Silt fencing should be set up according to the terrain, soil and run-off condensation.
- Silt fencing should be installed perpendicular to the slop of the land, curing the fence inward towards the slope.
- Silt fence should be spaced away from the toe-of-slope, leaving enough room to accumulate sediment and to perform work.
- Fabric should be run continuously inside the stakes and secured with nails, staples or zip ties while allowing at least 1 foot to line the trench.
- Maintain the fence by checking the fabric for damage, failure of fence to withhold sediment, and damage to posts. Install additional back-up silt fence, if needed.
- Remove built-up sediment from silt fence.

Spill Prevention and Cleanup

Best Management Practices (BMPs) are in place to minimize the potential for contamination of runoff from pollutants located at the construction site. Potential pollutants include gasoline, hydraulic oil, transmission oil, antifreeze/coolant, diesel fuel, motor oil, greases, and/or construction products.

On-site personnel will have access to the necessary spill cleanup and containment equipment, such as: oil absorbent materials, brooms, shovels, rakes and containers to properly handle and dispose of any generated wastes.

Good housekeeping for storage and use of significant materials will help minimize the potential for spills to occur at this construction site. Good housekeeping practices that are appropriate for the site include:

- Materials handled and stored in tightly sealed, labeled containers;
- Containers stacked in a neat and orderly manner;
- An adequate supply of cleanup materials is consistently maintained on-site;
- Spill sources are located and repaired; and,
- Spills are cleaned immediately.

Endangered Species Protection

The EcoCAT Ecological Compliance Assessment Tool was used regarding the effects of construction on surrounding species and wildlife. EcoCAT identified Black-Billed Cuckoo (Coccyzus erythropthalmus), Common Moorhen (Gallinula chloropus), Osprey (Pandion haliaetus) in the project vicinity.

Black-Billed Cuckoo (Coccyzus erythropthalmus)

Black-billed Cuckoo birds are plain brown above without cinnamon tones and white below with a red ring around the eye and a black bill. Black-billed Cuckoos tend to live in forest, woodlands, and scrub. The Cuckoo is small and difficult to see.

Common Moorhen (Gallinula chloropus)

Common Gallinules are mostly charcoal gray birds with a white stripe down their sides and white outer tail feathers. Adults have a bright red shield on their forehead and a red bill tipped in yellow. This bird typically resides in freshwater

or brackish marshes, ponds, and lakes with a mix of submerged, floating, and emergent vegetation and open water. They also forage in smaller ditches, canals, and rice fields.

Osprey (Pandion haliaetus)

The osprey, also called sea hawk, river hawk, and fish hawk, is a fish-eating bird of prey with a cosmopolitan range. It is a large raptor reaching more than 60 cm in length and 180 cm across the wings. It is brown on the upperparts and predominantly greyish on the head and underparts. The osprey is a large bird that builds it nest near water with abundant fish.

All on-site personnel will be educated about these species and will be instructed to contact the Department immediately if they are encountered in the project area. Personnel will complete the daily inspection form provided in Appendix B. Fliers with photos of the birds and life-history information, will be distributed to personnel. The flier will contain contact information for the Department (217.785.5500). State-listed species will not be handled without the appropriate permits pursuant to the Illinois Endangered Species Protection Act. The correspondence from IDNR is provided in Appendix C.

Historic Preservation

This site is not in a location that contains historic preservation areas.

Use of Treatment Chemicals

No polymer flocculants or treatment chemicals will be utilized on-site.

Best Management Practices for Impaired Waters

No receiving waters from the project site are listed under Section 303(d) of the federal Clean Water Act and the Water Quality Planning and Management regulation for suspended solids, turbidity, or siltation.

Waste Disposal

All waste materials will be collected and stored in secure, lidded, metal dumpsters supplied by the local licensed solid waste management company near the construction location. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed. No construction waste materials will be buried on-site. All personnel will be instructed on the correct procedure for waste disposal.

Sanitary/Septic Disposal

An existing structure onsite contains facilities that properly dispose of sanitary/septic wastes.

MAINTANENCE

Maintenance on all control measures and issues identified during inspections will be performed as necessary. It is the responsibility of the project site manager or his designee to determine when maintenance procedures are needed and verify that the maintenance is performed adequately. Maintenance procedures will be completed within 24 hours from the time that they are noted on the inspection reports. It is the responsibility of the project site manager or his designee to inspect the performance of the procedure and revise as necessary.

The SWPPP will be amended when there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to the waters of the state that was not previously addressed in the SWPPP. It will also be amended when inspections by site, local, state, or federal officials indicate that the SWPPP is not effective in eliminating or minimizing pollutants from the construction site or otherwise achieving the general objectives of controlling pollutants in the storm water discharges that are associated with construction activity.

INSPECTIONS

Endangered Species Protection Inspections

During excavation of topsoil, onsite personnel will perform daily inspections to locate trapped wildlife. If wildlife is found, personnel will follow instructions located on the distributed flier, or contact IDNR for further instructions. The daily inspection form can be found in Appendix B.

Control Inspections

All control measures will be inspected weekly and following any storm event of 0.5 inches or greater. Control measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hours of report. Silt fencing will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground. Reseeded grasses will be inspected for bare spots, washouts, and healthy growth.

All equipment will be inspected for leaks. Identified leaks will be repaired as soon as possible, and fluid leaks will be properly cleaned up and disposed of immediately upon discovery. Drip pans will be placed under equipment that is found leaking and cannot be immediately repaired.

A weekly inspection report will be documented. The weekly inspection report is provided in Appendix D. Completed reports will be made available to all local, state, and federal agencies upon request.

CORRECTIVE ACTIONS

If any of the following conditions are identified onsite, corrective action will be taken.

- A stormwater control needs repair or replacement.
- A stormwater control necessary to comply with the requirements of the general permit was never installed or was installed incorrectly.
- Discharges are causing an exceedance of applicable water quality standards.
- A prohibited discharge has occurred.

Corrective action should be completed as soon as possible and documented within 7 days in the weekly inspection report. If it is infeasible to complete the installation or repair within 7 days, the report should document why it is infeasible. Appendix E will be utilized to amend the Plan.

RECORD RETENTION

The property manager will retain copies of the SWPPP and all related reports and inspections for a period of at least 3 years. The property manager will retain copies of the SWPPP and any revisions to said SWPPP at the construction site from the date of project initiation to the date of final stabilization. Any documents referenced in the SWPPP will also be retained at the construction site. This includes the name, company, telephone number, email address, and address of the project site manager or a local contact person. The property manager will also keep the NPDES General Permit provided in Appendix F.

CONTRACTORS

All contractors and subcontractors that will implement the measures identified in the SWPPP must sign a copy of the certification statement provided in Appendix G.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for having knowledge of violations.

_____ _____

Signature Date

Mr. Rodriquez

The below mentioned individuals are responsible for the implementation of part or all of the Storm Water Pollution Prevention Plan components as well as the on-site day-to-day activities at this construction site.

_____ _____

Signature Date

_____

Title

_____ _____

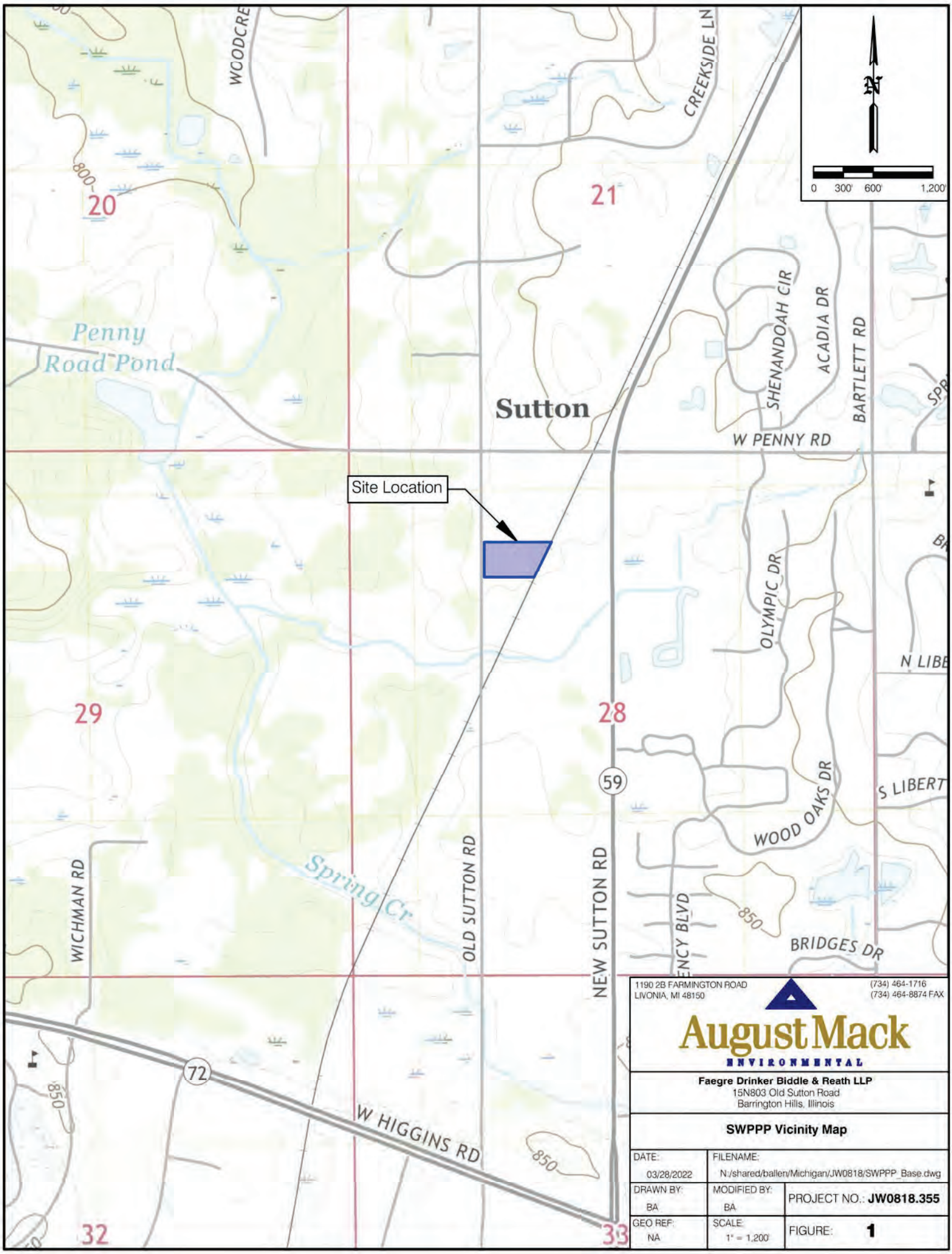
Signature Date

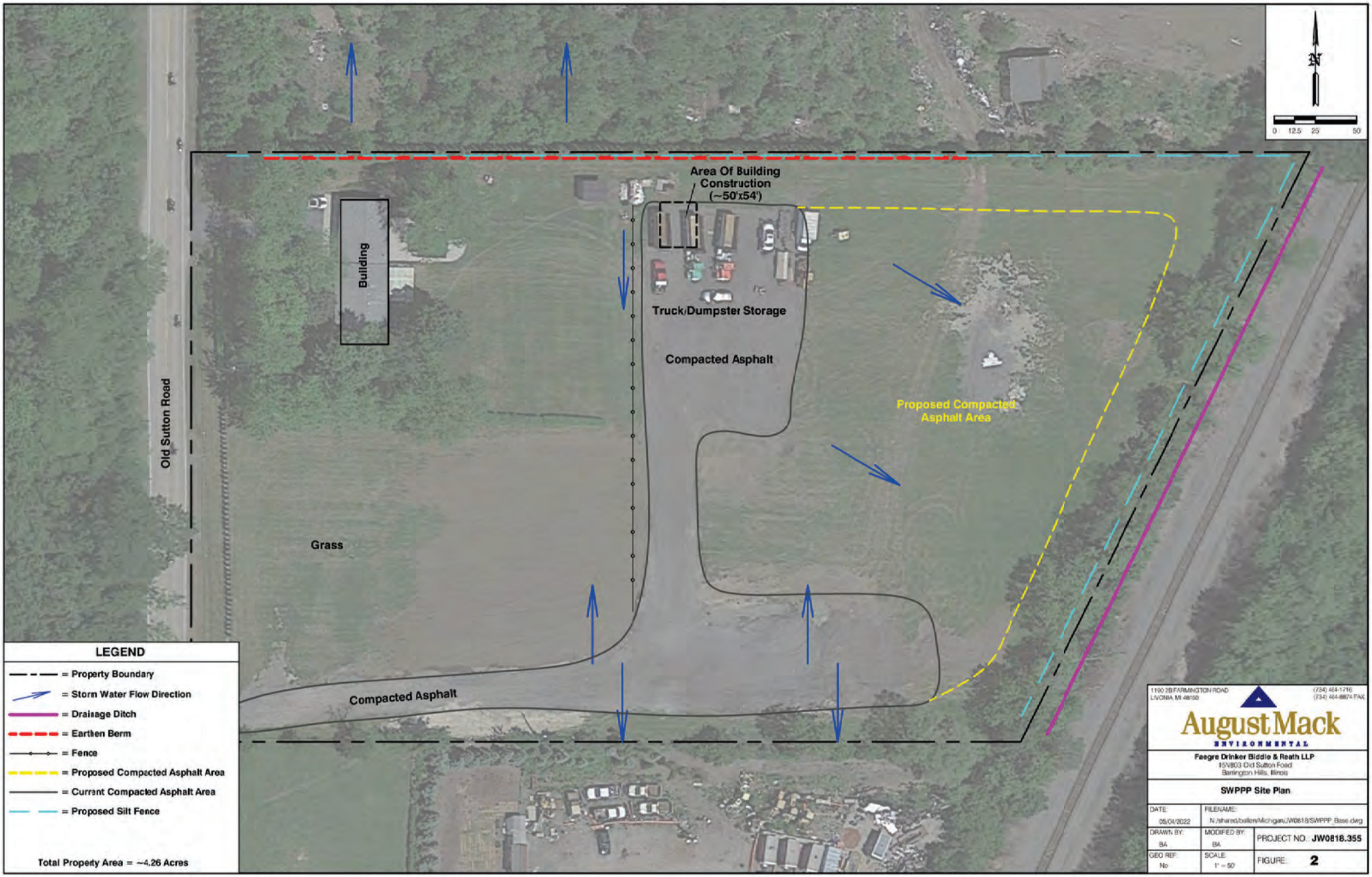
_____

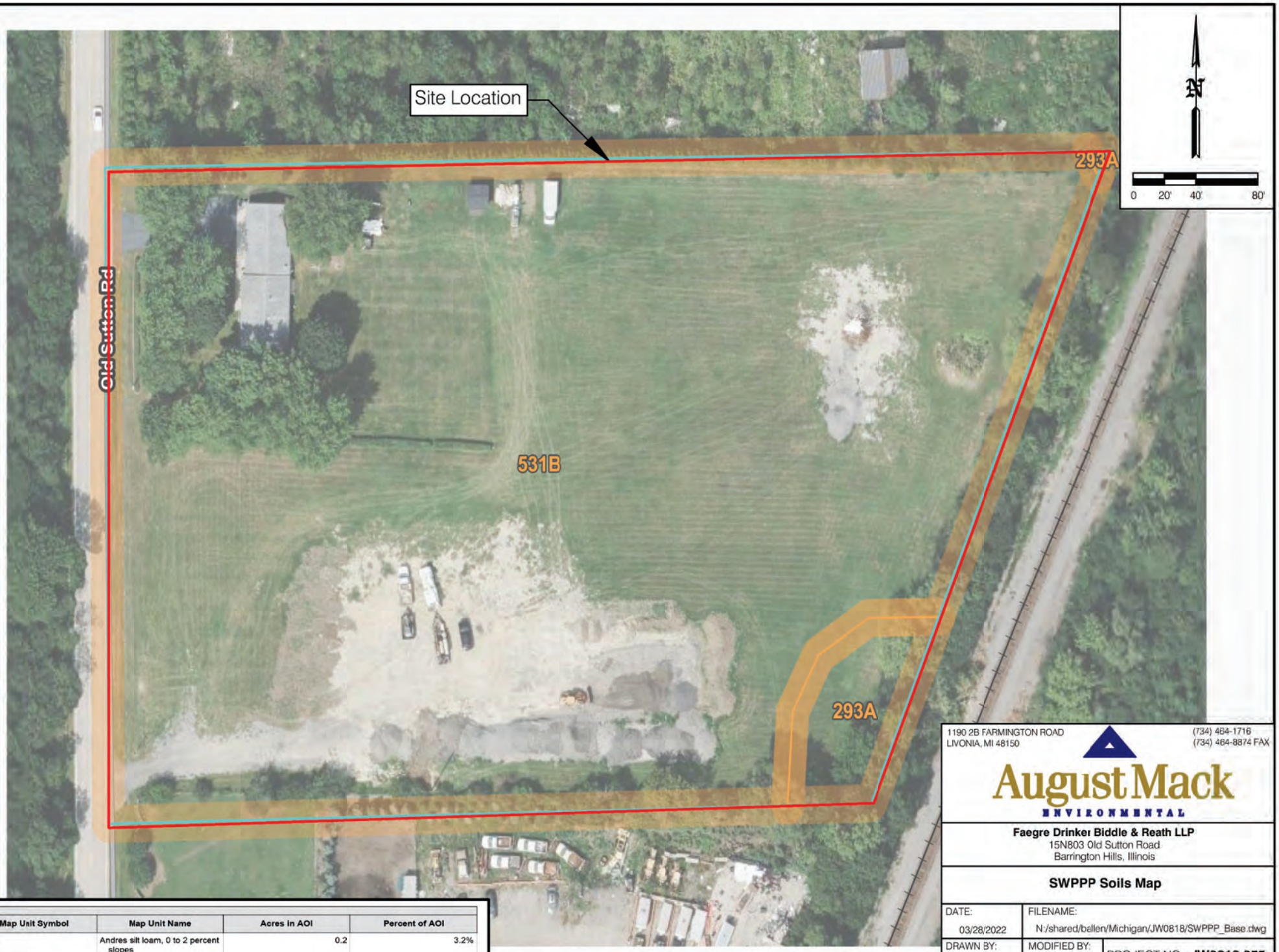
Title

APPENDIX A

Figures


N
0 300' 600' 1,200'
WOODCRE
CREEKSIDE LN
20
21
800
Penny Road Pond
Sutton
SHENANDOAH CIR
ACADIA DR
BARTLETT RD
W PENNY RD
Site Location
OLYMPIC DR
N LIBE
29
28
59
S LIBERT
WOOD OAKS DR
WICHMAN RD
Spring Cr
OLD SUTTON RD
NEW SUTTON RD
ENCY BLVD
850
BRIDGES DR
72
W HIGGINS RD
32
33
1190 2B FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1716
(734) 464-8874 FAX
August Mack
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
15N803 Old Sutton Road
Barrington Hills, Illinois
SWPPP Vicinity Map
DATE: 03/28/2022
FILENAME: N:/shared/ballen/Michigan/JW0818/SWPPP_Base.dwg
DRAWN BY: BA
MODIFIED BY: BA
PROJECT NO.: JW0818.355
GEO REF: NA
SCALE: 1" = 1,200'
FIGURE: 1


Area Of Building Construction (~50'x54')
Building
Truck/Dumpster Storage
Compacted Asphalt
Proposed Compacted Asphalt Area
Old Sutton Road
Grass
Compacted Asphalt
N
0 12.5 25 50
LEGEND
= Property Boundary
= Storm Water Flow Direction
= Drainage Ditch
= Earthen Berm
= Fence
= Proposed Compacted Asphalt Area
= Current Compacted Asphalt Area
= Proposed Silt Fence
Total Property Area = ~4.26 Acres
1190 28 FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1716
(734) 464-8874 FAX
August Mack
ENVIRONMENTAL
Faegre Drinker Biddle & Reath LLP
15V803 Old Sutton Road
Barrington Hills, Illinois
SWPPP Site Plan
DATE: 05/04/2022
FILENAME: N:/shared/bellen/Michigan/JW0818/SWPPP_Base.dwg
DRAWN BY: BA
MODIFIED BY: BA
PROJECT NO.: JW0818.355
GEO REF: No
SCALE: 1" = 50'
FIGURE: 2



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
293A	Andres silt loam, 0 to 2 percent slopes	0.2	3.2%
531B	Markham silt loam, 2 to 4 percent slopes	4.5	96.8%
Totals for Area of Interest		**4.7**	**100.0%**

1190 2B FARMINGTON ROAD
LIVONIA, MI 48150
(734) 464-1716
(734) 464-8874 FAX
August Mack ENVIRONMENTAL

Faegre Drinker Biddle & Reath LLP
15N803 Old Sutton Road
Barrington Hills, Illinois

SWPPP Soils Map

DATE: 03/28/2022	FILENAME: N:/shared/ballen/Michigan/JW0818/SWPPP_Base.dwg	
DRAWN BY: BA	MODIFIED BY: BA	PROJECT NO.: **JW0818.355**
GEO REF: NA	SCALE: Approx. 1" = 80'	FIGURE: **3**

APPENDIX B

Endangered Species Protection Daily Inspection Form

Date: _____

	YES	NO
Excavation Area Inspected for Trapped Wildlife	☐	☐
Trapped Wildlife Encountered	☐	☐
If YES, was the Illinois Department of Natural Resources (IDNR) contacted?	☐	☐

If YES, explain further instructions from IDNR.

_____

_____

Signature (Person Conducting Inspection): _____

APPENDIX C

EcoCat Resource Review Results

Applicant:	Tessah Chappelow	*IDNR Project Number:*	2211559
Contact:	Tessah Chappelow	*Date:*	04/04/2022
Address:	1302 N Meridian Suite 300 Indianapolis, IN 46202		

Project: 15N803 Old Sutton Road
Address: 15N803 Old Sutton Road, Barrington Hills

Description: Project will consist of adding a barn and additional asphalt to the site

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Black-Billed Cuckoo *(Coccyzus erythropthalmus)*
Common Moorhen *(Gallinula chloropus)*
Osprey *(Pandion haliaetus)*

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Cook

Township, Range, Section:
42N, 9E, 28

IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

EcoCAT Receipt

Project Code 2211559

APPLICANT	DATE
Tessah Chappelow Tessah Chappelow 1302 N Meridian Suite 300 Indianapolis, IN 46202	4/4/2022

DESCRIPTION	FEE	CONVENIENCE FEE	TOTAL PAID
EcoCAT Consultation	$ 25.00	$ 1.00	$ 26.00

TOTAL PAID $ 26.00

Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
217-785-5500
dnr.ecocat@illinois.gov

APPENDIX D

Weekly Inspection Report

Date: _____

Days since last rainfall: _____

Amount of last rainfall _____ inches

Controls in place (please list all controls that are currently in place at the site):

_____

_____

Maintenance Required for Controls (please list necessary maintenance)?

_____

_____

Erosion Present (please indicate location)?

_____

_____

Maintenance Work Completed (please list what was done, by whom, and the date completed):

_____

_____

Is plan still accurate?

_____

Signature (Person Conducting Inspection): _____

APPENDIX E

Plan Amendments Form

Please indicate any amendments that are made to the original Storm Water Pollution Prevention Plan on this page.

Date	Changes Made to the Plan	Page(s)	Initials

APPENDIX F

NPDES General Permit No. ILR10

NPDES Permit No. ILR10

General NPDES Permit No. ILR10

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
www.epa.state.il.us

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

General NPDES Permit
For
Storm Water Discharges From Construction Site Activities

Expiration Date: July 31, 2023

Issue Date: August 3, 2018

Effective Date: August 3, 2018

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.

Amy L. Dragovich

Amy L. Dragovich, P.E.
Manager, Permit Section
Division of Water Pollution Control

Part I. COVERAGE UNDER THIS PERMIT

A. **Permit Area**. The permit covers all areas of the State of Illinois with discharges to any Waters of the United States.

B. **Eligibility**.

1. This permit shall authorize all discharges of storm water associated with industrial activity from a construction site that will result in the disturbance of one or more acres total land area or a construction site less than one acre of total land that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area. This permit may authorize discharges from other construction site activities that have been designated by the Agency as having the potential to adversely affect the water quality of waters of the state. This permit also authorizes discharges from construction sites previously approved by the Agency under the previous version of ILR10 that are still occurring after the effective date of this permit, except for discharges identified under Part I.B.3 (Limitations on Coverage). Where discharges from construction sites were initially covered under the previous version of the ILR10, the Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

2. This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

   a. the industrial source other than construction is located on the same site as the construction activity;

   b. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

   c. storm water discharges associated with industrial activity from the areas of the site where industrial activities other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or an individual permit authorizing such discharges.

3. **Limitations on Coverage**. The following storm water discharges from construction sites are not authorized by this permit:

   a. storm water discharges associated with industrial activities that originate from the site after construction activities have been completed and the site has undergone final stabilization;

   b. discharges that are mixed with sources of non-storm water other than discharges identified in Part III.A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV.D.5 (Non-Storm Water Discharges) of this permit;

c. storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI.N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges;

d. storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard;

e. storm water discharges that the Agency, at its discretion, determines are not appropriately authorized or controlled by this general permit; and

f. storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d) (6).

C. **Authorization.**

1. In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below, using an NOI form provided by the Agency.

2. Where a new contractor is selected after the submittal of an NOI under Part II below, or where site ownership is transferred, a new Notice of Intent (NOI) must be submitted by the owner in accordance with Part II.

3. Unless notified by the Agency to the contrary, dischargers who submit an NOI and a stormwater pollution prevention plan (SWPPP) in accordance with the requirements of this permit are authorized to discharge storm water from construction sites under the terms and conditions of this permit in 30 days after the date the NOI and SWPPP are received by the Agency.

4. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

Part II. NOTICE OF INTENT REQUIREMENTS

A. **Deadlines for Notification.**

1. To receive authorization under this general permit, a discharger must submit a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this Part in sufficient time to allow a 30 day review period after the receipt of the NOI by the Agency and prior to the start of construction. The completed NOI may be submitted electronically to the following email address: epa.constilr10swppp@illinois.gov

2. Discharges that were covered by the previous version of ILR10 are automatically covered by this permit. Where discharges associated with construction activities were initially covered under the previous version of ILR10 and are continuing, the Storm Water Pollution Prevention Plan must be updated/revised within 12 months of the effective date of this reissued permit, as necessary to ensure compliance with the provisions of the reissued ILR10. Updating of the SWPPP is not required if construction activities are completed and a Notice of Termination is submitted within 12 months of the effective date of this permit.

3. A discharger may submit an NOI in accordance with the requirements of this Part after the start of construction. In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

B. **Failure to Notify.** Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the United States without an NPDES permit are in violation of the Environmental Protection Act and Clean Water Act.

C. **Contents of Notice of Intent.** The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information:

1. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

2. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

3. The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal;

4. The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s);

5. The number of any NPDES permits for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit;

6. A description of the project, detailing the complete scope of the project, estimated timetable for major activities and an estimate of the number of acres of the site on which soil will be disturbed;

7. For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency agreements with those agencies, the NOI shall indicate that such compliance has occurred.

8. An electronic copy of the storm water pollution prevention plan that has been prepared for the site in accordance with Part IV of this permit. The electronic copy shall be submitted to the Agency at the following email address: epa.constilr10swppp@illinois.gov

9. A new notice of intent shall be submitted for any substantial modifications to the project such as: address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications.

D. **Where to Submit.**

Construction activities which discharge storm water that requires a NPDES permit must use an NOI form provided by the Agency. The applicable fee shall also be submitted. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. The NOI form may be submitted to the Agency in any of the following methods:

1. File electronically with digital signature at the following website address:
http://dataservices.epa.illinois.gov/SWConstructionPermit/bowLogin.aspx

   Registration specific to the permittee is required in order to file electronically.

   Submit the appropriate fee with the permit ID number assigned during completion of the NOI to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control, Mail Code #15
   Attention: Permit Section
   1021 North Grand Avenue East
   Post Office Box 19276
   Springfield, Illinois 62794-9276

2. Submit complete signed NOI and SWPPP to the following email address: epa.constilr10swppp@illinois.gov. Submit a copy of the signed NOI and appropriate fee by registered or certified mail, return receipt requested, to the Agency at the address above. NOIs and fees that are hand delivered shall be delivered to and receipted for by an authorized person employed in the Permit Section of the Agency's Division of Water Pollution Control.

E. **Additional Notification.** Construction activities that are operating under approved local sediment and erosion plans, land disturbance permits, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV.D.2.d (Approved State or Local Plans). A copy of the NOI shall be sent to the entity holding an active General NPDES Permit No. ILR40 if the permittee is located in an area covered by an active ILR40 permit.

F. **Notice of Termination.** Where a site has completed final stabilization and all storm water discharges from construction activities that are authorized by this permit are eliminated, the permittee must submit a completed Notice of Termination (NOT) that is signed in accordance with Part VI.G (Signatory Requirements) of this permit.

1. The Notice of Termination shall include the following information:

   a. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

   b. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

   c. The name, address and telephone number of the general contractor(s);

   d. The date(s) when construction was completed and the site was stabilized, when all construction materials, waste and waste handling devices have been removed from site and properly disposed, and when all construction equipment have been removed from site, unless intended for long-term use following termination of permit coverage. Any items to remain at the site shall be clearly described in the NOT including the long-term purpose and a brief description indicating how the items will be maintained to protect water quality; and

   e. The following certification signed in accordance with Part VI.G (Signatory Requirements) of this permit:

      "I certify under penalty of law that all storm water discharges associated with construction site activity from the identified facility that are authorized by NPDES general permit ILR10 have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with construction site activity by the general permit, and that discharging pollutants in storm water associated with construction site activity to Waters of the United States is unlawful under the Environmental Protection Act and Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act."

      For the purposes of this certification, elimination of storm water discharges associated with industrial activity means that all disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have otherwise been eliminated.

2. All Notices of Termination are to be sent to the Agency to the mailing address in Part II.D.1, using the form provided by the Agency, or electronically if the permittee submitted a Notice of Intent by electronic means.

Part III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A. **Prohibition on Non-Storm Water Discharges.**

1. Except as provided in Part I paragraph B.2 and paragraphs 2, 3 or 4 below, all discharges covered by this permit shall be comprised entirely of storm water.

2. a. Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge.

   b. The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with Part IV.D.5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used; waters used to control dust; potable water sources including uncontaminated waterline flushings; landscape irrigation drainages; routine external building washdown which does not use detergents; pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; uncontaminated air conditioning condensate; uncontaminated spring water; uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

3. The following non-storm water discharges are prohibited by this permit: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.

4. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are allowable if managed by appropriate controls.

   a. Dewatering discharges shall be treated or controlled to minimize discharges of pollutants;

   b. The discharge shall not include visible floating solids or foam;

   c. An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to contain these materials;

   d. To the extent feasible, use vegetated, upland areas of the site to infiltrate dewatering water before discharge;

   e. Backwash water (water used to backwash/clean any filters used as part of stormwater treatment) must be properly treated or hauled off-site for disposal; and

   f. Dewatering treatment devices shall be properly maintained.

B. **Discharges into Receiving Waters with an Approved Total Maximum Daily Load (TMDL):**

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless the owner/operator develops and certifies a SWPPP that is consistent with wasteload allocations in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions and/or Best Management Practices applicable to their discharges necessary for consistency with the TMDL within any timeframes established in the TMDL. If a specific numeric waste load allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation.

Please refer to the Agency website at: http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/reports/index

C. In the absence of information demonstrating otherwise, it is expected that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If at any time you become aware, that discharges are not being controlled as necessary to meet applicable water quality standards, you must take corrective action as required in Part IV.D.5 of this Permit. Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of best management practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. **Deadlines for Plan Preparation and Compliance.**

The plan shall:

1. Be completed prior to the start of the construction activities to be covered under this permit and submitted electronically to the Agency at the time the Notice of Intent is submitted; and

2. Provide for compliance with the terms and schedules of the plan beginning with the initiation of construction activities.

B. **Signature, Plan Review and Notification.**

1. The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained at the construction site which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit. If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site.

2. Prior to commencement of construction, the permittee shall provide the plan to the Agency.

3. The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system. A list of permitted municipal separate storm sewer systems is available at: http://www.epa.state.il.us/water/permits/storm-water/ms4-status-report.pdf

4. The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit.

5. A copy of the letter of notification of coverage along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit).

6. All storm water pollution prevention plans and all completed inspection forms/reports required under this permit are considered reports that shall be available to the public at any reasonable time upon request. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2.

C. **Keeping Plans Current**. The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the United States and which has not otherwise been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV.B above. The SWPPP and site map must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the storm water pollution prevention plan shall be kept on site at all times.

D. **Contents of Plan**. The storm water pollution prevention plan shall include the following items:

1. **Site Description**. Each plan shall provide a description of the following:

   a. A description of the nature of the construction activity or demolition work;

   b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils, on-site or off-site storage of materials);

   c. An estimate of the total area of the site and the total area of the site that is expected to be disturbed by clearing, grubbing, excavation, grading, on-site or off-site stockpiling of soils and storage of materials, or other activities;

   d. An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

   e. A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, locations of on-site or off-site soil stockpiling or material storage, surface waters (including wetlands), and locations where storm water is discharged to a surface water; and

   f. The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.

2. **Controls**. Each plan shall include a description of appropriate controls that will be implemented at the construction site and any off-site stockpile or storage area unless already authorized by a separate NPDES permit. The plan shall include details or drawings that show proper installation of controls and BMPs. The Illinois Urban Manual http://www.aiswcd.org/illinois-urban-manual/ or other similar documents shall be used for developing the appropriate management practices, controls or revisions of the plan. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained and/or repaired until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization. The description of controls shall address as appropriate the following minimum components:

   a. **Erosion and Sediment Controls**. The permittee shall design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:

      (i) Control storm water volume and velocity within the site to minimize soil erosion;
      (ii) Control storm water discharges, including both peak flowrates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;
      (iii) Minimize the amount of soil exposed during construction activity through the use of project phasing or other appropriate techniques;
      (iv) Minimize the disturbance of steep slopes;
      (v) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address

factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

(vi) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible; and

(vii) Minimize soil compaction and, unless infeasible, preserve topsoil.

(viii) Minimize sediment track-out. Where sediment has been tracked-out from your site onto paved roads, sidewalks, or other paved areas outside of your site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or water of the U.S.

(ix) Minimize dust. On areas of exposed soils, minimize the generation of dust through the appropriate application of water or other dust suppression techniques.

b. **Stabilization Practices**. The storm water pollution prevention plan shall include a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where practicable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporarily seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated, shall be included in the plan. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Exceptions to these time frames are specified as provided in paragraphs (i) and (ii) below:

(i) Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

(ii) On areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used. Temporary stabilization techniques and materials shall be described in the SWPPP.

(iii) Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.

c. **Structural Practices**. A description of structural practices utilized to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.

(i) The following design requirements apply to sediment basins if such structural practices will be installed to reduce sediment concentrations in storm water discharges:

a. When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize the discharge.

b. Prevent erosion of the sediment basin using stabilization controls (e.g., erosion control blankets), at the inlet and outlet using erosion controls and velocity dissipation devices:

c. Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.

(ii) The following requirements apply to protecting storm drain inlets:

a. Install inlet protection measures that remove sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet; and

b. Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.

d. **Use of Treatment Chemicals.** Identify the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified along with any information from any Material Safety Data Sheet. Describe the location of all storage areas for chemicals. Include any information from the manufacturer's specifications. Treatment chemicals must be stored in areas where they will not be exposed to precipitation. The SWPPP must describe procedures for use of treatment chemicals and staff responsible for use/application of treatment chemicals must be trained on the established procedures.

e. **Best Management Practices for Impaired Waters**. For any site which discharges directly to an impaired water identified on the Agency's website for 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria. Please refer to the Agency's website at: (http://www.epa.illinois.gov/topics/water-quality/watershed-management/tmdls/303d-list/index)

f. **Pollution Prevention**. The permittee shall design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;

(ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water. Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or when exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);

(iii) Minimize the exposure of fuel, oil, hydraulic fluid and other petroleum products by storing in covered areas or containment areas; and

(iv) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

g. **Other Controls.**

(i) Waste Disposal. No solid materials, including building materials, shall be discharged to Waters of the United States, except as authorized by a Section 404 permit.
(ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
(iii) For construction sites that receive concrete or asphalt from off-site locations, the plan must identify and include appropriate controls and measures to reduce or eliminate discharges from these activities.
(iv) The plan shall include spill response procedures and provisions for reporting if there are releases in excess of reportable quantities.
(v) The plan shall ensure that regulated hazardous or toxic waste must be stored and disposed in accordance with any applicable State and Federal regulations.

h. **Best Management Practices for Post-Construction Storm Water Management.** Describe the measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

(i) While not mandatory, it is advisable that the permittee consider including in its storm water pollution prevention plan and design and construction plans methods of post-construction storm water management to retain the greatest amount of post-development storm water run-off practicable, given the site and project constraints. Such practices may include but are not limited to: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). Technical information on many post-construction storm water management practices is included in the Illinois Urban Manual (2017).

The storm water pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where post-construction flows will exceed predevelopment levels.

(ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

(iii) Unless otherwise specified in the Illinois Urban Manual (2017), the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

i. **Approved State or Local Plans.**

(i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in the Illinois Urban Manual, (2017). Construction activities which discharge storm water must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion control plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion control plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit. The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

(ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

j. **Natural Buffers.** For any stormwater discharges from construction activities within 50 feet of a Waters of the United States, except for activities for water-dependent structures authorized by a Section 404 permit, the permittee shall:

(i) Provide a 50-foot undisturbed natural buffer between the construction activity and the Waters of the United States; or
(ii) Provide additional erosion and sediment controls within that area.

3. **Maintenance.**

a. The plan shall include a description of procedures to maintain in good and effective operating conditions, all erosion and sediment control measures and other Best Management Practices, including vegetation and other protective measures identified in the Storm Water Pollution Prevention Plan.

b. Where a basin has been installed to control sediment during construction activities, the Permittees shall keep the basin(s) in effective operating condition and remove accumulated sediment as necessary. Sediment shall be removed in accordance with the Illinois Urban Manual (2017) or more frequently. Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place.

c. Other erosion and sediment control structures shall be maintained and cleaned as necessary to keep structure(s) in effective operating condition, including removal of excess sediment as necessary.

4. **Inspections.** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm or by the end of the following business or work day that is 0.50 inches or greater. Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment controls measures, such as a licensed Professional Engineer (P.E.), a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI), a Certified Stormwater Inspector (CSI) or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities. Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within 72 hours of becoming accessible.

   a. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32 degrees Fahrenheit). Weekly inspections will recommence when construction activities are conducted, or if there is a 0.50 inches or greater rain event, or a discharge due to snowmelt occurs.

   b. Disturbed areas, areas used for storage of materials that are exposed to precipitation and all areas where stormwater typically flows within the site shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. All locations where stabilization measures have been implemented shall be observed to ensure that they are still stabilized. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

   c. Based on the results of the inspection, the description of potential pollutant sources identified in the storm water pollution prevention plan in accordance with Part IV.D.1 (Site Description) of this permit and the pollution prevention control measures identified in the plan in accordance with Part IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection to minimize the potential for such discharges. Such modifications shall provide for timely implementation of any changes to the plan and pollution prevention control measures within 7 calendar days following the inspection.

   d. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. All inspection reports shall be retained at the construction site. The report shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit. Any flooding or other unsafe conditions that delay inspections shall be documented in the inspection report.

   e. The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncomp@illinois.gov , telephone or fax (see Attachment A) within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. Corrective actions must be undertaken immediately to address the identified non-compliance issue(s).

   f. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements).

   g. After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of noncompliance shall be mailed to the Agency at the following address:

      Illinois Environmental Protection Agency
      Division of Water Pollution Control
      Compliance Assurance Section
      1021 North Grand Avenue East
      Post Office Box 19276
      Springfield, Illinois 62794-9276

5. **Corrective Actions.** You must take corrective action to address any of the following conditions identified at your site:

   a. A stormwater control needs repair or replacement; or

   b. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly; or

   c. Your discharges are causing an exceedance of applicable water quality standards; or

   d. A prohibited discharge has occurred.

   Corrective Actions shall be completed as soon as possible and documented within 7 days in an Inspection Report or report of noncompliance. If it is infeasible to complete the installation or repair within seven (7) calendar days, you must document in your records why it is infeasible to complete the installation or repair within the 7-day timeframe and document your schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe.

6. **Non-Storm Water Discharges.** Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. **Additional requirements for storm water discharges from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants.** This permit may only authorize any storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

1. The industrial source other than construction is located on the same site as the construction activity;

2. Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

3. Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants [other than asphalt emulsion facilities] and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

F. **Contractors.**

1. The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractors.

2. **Certification Statement.** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph 1 above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

   "I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

   The certification must include the name and title of the person providing the signature in accordance with Part VI.G of this permit: the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

Part V. RETENTION OF RECORDS

A. The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, records of all data used to complete the Notice of Intent to be covered by this permit and the Agency Notice of Permit Coverage letter for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.

B. The permittee shall retain a copy of the storm water pollution prevention plan and any revisions to said plan required by this permit at the construction site from the date of project initiation to the date of final stabilization. Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site.

Part VI. STANDARD PERMIT CONDITIONS

A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Illinois Environmental Protection Act and the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Failure to obtain coverage under this permit or an individual permit for storm water releases associated with construction activities is a violation of the Illinois Environmental Protection Act and the CWA.

B. **Continuation of the Expired General Permit.** This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those construction activities authorized to discharge under the expiring general permit are covered by the continued permit.

C. **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. **Duty to Provide Information.** The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of all records required to be kept by this permit.

F. **Other Information.** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.

G. **Signatory Requirements.** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.

1. All Notices of Intent shall be signed as follows:

   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (2) any person authorized to sign documents that has been assigned or delegated said authority in accordance with corporate procedures;

   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

   c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described above and submitted to the Agency.

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

   c. **Changes to Authorization.** If an authorization under Part I.C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of Part I.C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

   d. **Certification.** Any person signing documents under this Part shall make the following certification:

      "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. **Penalties for Falsification of Reports.** Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day.of violation.

I. **Penalties for Falsification of Monitoring Systems.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

J. **Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA.

K. **Property Rights.** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

L. **Severability.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

M. **Transfers.** This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C (Authorization).

N. **Requiring an Individual Permit or an Alternative General Permit.**

1. The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II.D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:

   a. information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6);

   b. whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing;

c. size of construction site, proximity of site to the receiving stream, etc.

The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.

2. Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II.D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

3. When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.

O. **State/Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

P. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all construction activities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

Q. **Inspection and Entry.** The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated construction activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

R. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

S. **Bypasses and Upsets.** The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

Part VII. REOPENER CLAUSE

A. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit in accordance with Part I.C (Authorization) of this permit or the permit may be modified to include different limitations and/or requirements.

B. Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

C. The Agency will reopen and modify this permit under the following circumstances:

1. the U.S. EPA amends its regulations concerning public participation;

2. a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit Court of Appeals issues an order necessitating a modification of public participation for general permits; or

3. to incorporate federally required modifications to the substantive requirements of this permit.

Part VIII. DEFINITIONS

"Agency" means the Illinois Environmental Protection Agency.

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

"Commencement of Construction or Demolition Activities" The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction or demolition activities.

"Construction Activities" Earth disturbing activities, such as clearing, grading and excavation of land. For purposes of this permit, construction activities also means construction site, construction site activities, or site. Construction activities also include any demolition activities at a site.

"Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit,

"CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

"Dedicated portable asphalt plant" A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

"Dedicated portable concrete plant" A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

"Dedicated sand or gravel operation" An operation that produces sand and/or gravel for a single construction project.

"Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and either of the two following conditions are met:

(i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or

(ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

For individual lots in residential construction, final stabilization means that either:

(i) The homebuilder has completed final stabilization as specified above, or

(ii) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.

"Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

(i) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or

(ii) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or

(iii) Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

"NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

"NOT" means notice of termination of coverage by this permit (See Part II of this permit.)

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm Water Associated with Industrial Activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in subparagraphs (i) through (x) of this subsection, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in subparagraph (xi), the term includes only storm water discharges from all areas listed in the previous sentence (except access roads) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally or municipally owned or operated that meet the description of the facilities listed in this paragraph (i)- (xi)) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

(i) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this paragraph);

(ii) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28, 29, 311, 32, 33, 3441, 373;

(iii) Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations meeting the definition of a reclamation area under 40 CFR 434.11(l)) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator;

(iv) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

(v) Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;

(vi) Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

(vii) Steam electric power generating facilities, including coal handling sites;

(viii) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42, 44, and 45 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under subparagraphs (i)-(vii) or (ix)-(xi) of this subsection are associated with industrial activity;

(ix) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;

(x) Construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than one acre of total land area which are not part of a larger common plan of development or sale unless otherwise designated by the Agency pursuant to **Part I.B.1.**

(xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 31 (except 311), 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories (i)-(x)).

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

"Work day" for the purpose of this permit, a work day is any calendar day on which construction activities will take place.

Attachment A

Division of Water Pollution Control
Regions by County

Rockford Region (FOS 1) Manager 815/987-7760

Boone	Bureau	Carroll	DeKalb	Jo Daviess	LaSalle
Lee	Ogle	Putnam	Stephenson	Whiteside	Winnebago

Des Plaines Region (FOS 2) Manager 847/294-4000

Cook	DuPage	Grundy	Kane	Kankakee	Kendall
Lake	McHenry	Will			

Peoria Region (FOS 3) Manager 309/671-3022

Fulton	Hancock	Henderson	Henry	Knox	Marshall
McDonough	Mercer	Peoria	Rock Island	Stark	Tazewell
Warren	Woodford				

Champaign Region (FOS 4) Manager 217/278-5800

Champaign	Clark	Coles	Crawford	Cumberland	DeWitt
Douglas	Edgar	Effingham	Ford	Iroquois	Jasper
Livingston	Macon	McLean	Moultrie	Piatt	Shelby
Vermilion					

Springfield Region (FOS 5) Manager 217/557-8761

Adams	Brown	Calhoun	Cass	Christian	Green
Jersey	Logan	Macoupin	Mason	Menard	Montgomery
Morgan	Pike	Sangamon	Schuyler	Scott	

Collinsville Region (FOS 6) Manager 618/346-5120

Bond	Clinton	Fayette	Madison	Marion	Monroe
Randolph	St. Clair	Washington			

Marion Region (FOS 7) Manager 618/993-7200

Alexander	Clay	Edwards	Franklin	Gallatin	Hamilton
Hardin	Jackson	Jefferson	Johnson	Lawrence	Massac
Perry	Pope	Pulaski	Richland	Saline	Union
Wabash	Wayne	White	Williamson		

Attachment H
Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24-Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8-Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

(1) **Duty to comply**. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.

(2) **Duty to reapply**. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

(3) **Need to halt or reduce activity not a defense**. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(4) **Duty to mitigate**. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(5) **Proper operation and maintenance**. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

(6) **Permit actions**. This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

(7) **Property rights**. This permit does not convey any property rights of any sort, or any exclusive privilege.

(8) **Duty to provide information**. The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry**. The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:
   (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
   (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records**.
   (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
   (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
   (c) Records of monitoring information shall include:
      (1) The date, exact place, and time of sampling or measurements;
      (2) The individual(s) who performed the sampling or measurements;
      (3) The date(s) analyses were performed;
      (4) The individual(s) who performed the analyses;
      (5) The analytical techniques or methods used; and
      (6) The results of such analyses.
   (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement**. All applications, reports or information submitted to the Agency shall be signed and certified.
   (a) **Application**. All permit applications shall be signed as follows:
      (1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation:
      (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
      (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
   (b) **Reports**. All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
      (1) The authorization is made in writing by a person described in paragraph (a); and
      (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
      (3) The written authorization is submitted to the Agency.
   (c) **Changes of Authorization**. If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
   (d) **Certification**. Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

      I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(12) **Reporting requirements**.
   (a) **Planned changes**. The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
      Notice is required when:
      (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
      (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
      (3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
   (b) **Anticipated noncompliance**. The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
   (c) **Transfers**. This permit is not transferable to any person except after notice to the Agency.
   (d) **Compliance schedules**. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(e) **Monitoring reports**. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
(1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).
(2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
(3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(f) **Twenty-four hour reporting**. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:
(1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
(2) Any upset which exceeds any effluent limitation in the permit.
(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.
The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.

(g) **Other noncompliance**. The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).

(h) **Other information**. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Bypass**.
(a) Definitions.
(1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
(2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
(b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).
(c) Notice.
(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).
(d) Prohibition of bypass.
(1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:
(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
(iii) The permittee submitted notices as required under paragraph (13)(c).
(2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).

(14) **Upset**.
(a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
(b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
(c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
(1) An upset occurred and that the permittee can identify the cause(s) of the upset;
(2) The permitted facility was at the time being properly operated; and
(3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).
(4) The permittee complied with any remedial measures required under paragraph (4).
(d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

(15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
(a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
(b) Automatic transfers. As an alternative to transfers under paragraph (a), any NPDES permit may be automatically transferred to a new permittee if:
(1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
(2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
(3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.

(16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
(1) One hundred micrograms per liter (100 ug/l);
(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
(3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
(4) The level established by the Agency in this permit.
(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.

(17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
(a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
(b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
(c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

(18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
(a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
(b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
(c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.

(19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.

(20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.

(21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.

(22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than one year, or both.
Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).

(23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both.

(24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

(26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.

(27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.

(28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

2018 ILR10 General NPDES Permit for Storm Water Discharges From Construction Site Activities
Public Comments and Responses Fact Sheet

COMMENT 1: Please include the following language in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10, per the Federal NPDES CGP: *If an on-site location is unavailable to keep the SWPPP when no personnel are present, notice of the plan's location must be posted near the main entrance of the construction site.*

RESPONSE 1: The Agency has revised Part IV(B)(1) of the permit as requested.

COMMENT 2: Please revise the post-rain inspection threshold to 0.5-inch rain event or include the following language in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10, to coincide with the Federal NPDES CGP: *At a minimum, qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site in accordance with one of the two schedules listed below:*
- *At least once every seven (7) calendar days; or*
- *Once every 14 calendar days and within 24 hours of the end of a rain event, or by the end of the following business or work day that is 0.25 inches or greater*

RESPONSE 2: The Agency has revised the post-rain inspection threshold back to a 0.5-inch rain event. The Agency has determined that the ILR10 permit contains requirements to design systems for larger rain events than 0.25 inch and therefore any discharges after a 0.25 inch rain event should be properly treated. The required weekly inspections will record any malfunctions, improperly installed BMPs, etc. that would lead to an unacceptable discharge after a 0.25 inch rain event and require corrective actions.

COMMENT 3: Please replace the word "remove" with "minimize" as noted above in Paragraph a, of the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10. The word "remove" implies absolute removal of sediment from storm water via inlet protection. The current best available technology related to inlet protection cannot fully remove suspended sediments associated with Illinois soils from storm water.

RESPONSE 3: The Agency has not revised the language in Part IV (D)(2)(c)(ii)(a). The language is consistent with the Federal EPA's 2017 Construction General Permit (Section 2.2.10 (a) on page 10). The requirement is not intended to require absolute removal of sediment, but rather requires installation of protective measures that do remove an adequate amount of sediment to protect water quality.

COMMENT 4: Please revise the Part IV(D)(2)(c)(ii) paragraph b, in the reissued General National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 to: *Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited*

sediment as soon as possible, but in no case longer than seven (7) calendar days. If it is infeasible to complete the maintenance within 7 calendar days, you must document in your records why it is infeasible to complete the maintenance within the 7-day timeframe and document your schedule for maintaining the inlet protection after the 7-day timeframe.

RESPONSE 4: The Agency has not revised the language in Part IV (D)(2)(c)(ii)(b). The language is consistent with the Federal EPA's 2017 Construction General Permit (Section 2.2.10 (b) on page 10). The language refers to maintenance activities, not incidences of non-compliance or corrective actions. The Agency considers the required time frame for maintaining inlet protection measures as reasonable and attainable.

COMMENT 5: Please revise the Part VI(Q) of the reissued General NPDES Permit No. ILR10 to include the following language or language similar to:
IEPA, or their authorized representative, shall comply with all site specific, construction site safety protocols. Prior to entering construction site covered by an active General NPDES Permit No. ILR10, IEPA, or their authorized representative, shall attempt to contact the permittee via phone and email, per information provided in the "Owner Information" section of the NOI kept on file with IEPA.

RESPONSE 5: The Agency has not revised the language in Part VI (Q). The Agency is not required to notify the permittee prior to an inspection.

COMMENT 6: Please expand the definition of initial disturbance of soils in a vegetated area to include text related to a "disturbance of the root zone".

RESPONSE 6: The Agency has not revised or expanded the definition of "Commencement of Construction or Demolition Activities" as it is consistent with definitions in the Federal EPA's 2017 Construction General Permit (Page A-2 of 13).

COMMENT 7: The draft reissued NPDES Permit No. ILR10 does not deter utility companies from violating a permittee's SWPPP or damaging permittee owned best BMPs, nor does it require utility companies to install or maintain their own BMPs (i.e. track out controls). Please include language in the reissued General NPDES Permit No. ILR10 that specifically binds utility companies to a permittee' s SWPPP and compliance program, or requires utility companies to obtain a separate General NPDES Permit No. ILR10 as part of a larger common plan of development.

RESPONSE 7: As the Agency's construction general permit is derived from USEPA's corresponding construction general permit, and USEPA reviews and approves the Agency's permit, the requirements in the Agency's permit are modeled after those in the federal counterpart. The requirement in the Agency's construction general permit relating to subcontractors is therefore based on the requirement found in the USEPA's permit.

COMMENT 8: Please include a forgiveness clause or waiver in the reissued General NPDES Permit No. ILR10 that can be applied by permittees when good cause exists, such as an act of God, labor strike, or flood.

RESPONSE 8: Part VI (S) of permit ILR10, by reference to 40 CFR 122.41(n), allows for provisions during upsets such as acts of God.

COMMENT 9: *Land-disturbing activities associated with construction of the following agricultural operations must obtain General NPDES Permit No. ILR10 permit coverage:*
(A) Barns.
(B) Buildings to house livestock.
(C) Roads associated with infrastructure.
(D) Agricultural waste lagoons and other facilities.
(E) Lake, ponds and impoundments.
(F) Wetlands constructed voluntarily or as mitigation.
(G) Other infrastructure

RESPONSE 9: The Agency has not included the requested language. The ILR10 permit covers all agricultural structures disturbing over 1 acre of land that are not covered by the exemption in 40 CFR 122.3(e).

COMMENT 10: Please include the following language in Part IV(D)(2)(a)(viii) of the reissued General NPDES Permit No. ILR10, per Section 2.2.4 of the Federal NPDES CGP:

> *Stabilization is not required for exit points at linear utility construction sites that are used only episodically and for very short durations over the life of the project, provided other exit point controls are implemented to minimize sediment track-out.*

RESPONSE 10: The Agency has added Part IV(D)(2)(b)(iii) as requested which includes requirements for implementation of other exit point controls if stabilization is not complete.

COMMENT 11: We suggest the Agency amend the last sentence in Section I.B.1 as follows: Where discharges from construction sites were initially covered under the previous version of the ILR10, the Storm Water Pollution Prevention Plan must be updated/revised as necessary to ensure compliance with the provisions of this reissued ILR10 permit.

RESPONSE 11: The Agency has revised Section I.B.1 as requested.

COMMENT 12: Inconsistencies exist in requirements for notice of intent for when a new contractor is selected in Section I.C.2 and II.C.9. It is unclear what the practical difference is between a "new" notice of intent as required in Section I.C.2 and a "revised" notice of intent as required in Section II.C.9. We recommend the Agency state either a new notice of intent is required in both instances when a new contractor is named or that the permittee must submit a revised notice of intent.

RESPONSE 12: The Agency has revised Section II.C.9 to state "New notice of intents shall be submitted for any substantial modifications to the project such as: address changes, new contractors, area coverage, additional discharges to Waters of the United States, or other substantial modifications."

COMMENT 13: The certified mail requirement seems unnecessarily restrictive as alternative means such as private courier or hand delivery would be equally satisfactory. We recommend the Agency amend the permit language in section II.D.2 to include the following: "Submit a copy of the signed NOI and appropriate fee by means that would provide a receipt of delivery to the Agency at the address above."

RESPONSE 13: The Agency has revised Section II.D.2 to state "Submit a copy of the signed NOI and appropriate fee by registered or certified mail, return receipt requested, to the Agency at the address above. NOIs and fees that are hand delivered shall be delivered to and receipted for by an authorized person employed in the Permit Section of the Agency's Division of Water Pollution Control." pursuant to 35 Ill. Adm. Code 309.223.

COMMENT 14: We suggest the Agency amend the language in section II.F.1.d to include the following: "The date when construction was completed and the site was stabilized and when you have removed and properly disposed of all construction materials, waste and waste handling devices, and have removed all equipment and vehicles that were used during construction, unless intended for long-term use following termination of permit coverage; and..."

RESPONSE 14: The Agency has revised Section II.F.1.d and added "Any items to remain at the site shall be clearly described in the NOT including the long-term purpose and a brief description indicating how the items will be maintained to protect water quality."

COMMENT 15: We suggest the Agency clarify section III.A.4.c with the following language: "An oil-water separator or suitable filtration device shall be used to treat oil, grease, or other similar products if dewatering water is found to contain these materials;"

RESPONSE 15: The Agency has revised Section III.A.4.c as requested.

COMMENT 16: We suggest the Agency revise section III.A.4.e to state the following: "backwash water must be properly treated or hauled off-site for disposal...."

RESPONSE 16: The Agency has revised Section III.A.4.e as requested.

COMMENT 17: Section IV.D.1.c and IV.D.2 require controls at off-site stockpiles and storage of materials. It is unclear whether such "off-site" activities, including discharges from such locations, are included within the scope of the permit as described in section I.B.1. If the Agency intends for such activities and discharges to be within the scope of the permit, then we recommend section I.B.1 be revised to make that clear. If the Agency does not intend to authorize such discharge via this permit, then we recommend removing the requirements of IV.D.I and IV.D.2 regarding off-site activities, as if there is a discharge associated with that location, it should be permitted separately.

RESPONSE 17: The Agency intends to require controls for off-site stockpiles and storage areas as stated in the permit. USEPA's Construction General Permit considers off-site stockpiles as "construction support activities" that require

coverage under the permit. The ILR10 permit definition for "Storm Water Associated with Industrial Activity" includes "material handling sites" and "storage areas for raw materials." The Agency has added "...unless already authorized by a separate NPDES permit." after "...any off-site stockpile or storage area." in Section IV.D.2.

COMMENT 18: We recommend adding the following language to Section IV.D.2.f.ii: "Minimize the exposure of building materials that have the potential for storm water pollution, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water."

RESPONSE 18: The Agency has added the following language to Section IV.D.2.f.ii consistent with the Federal EPA's 2017 Construction General Permit (footnote 36 on page 14): Minimization to exposure is not required for any products or materials where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use).

COMMENT 19: Section IV.D.2.e and IV.D.2.h.iii require the SWPPP be designed for storm events equal to or greater than a 25-year 24-hour rainfall event. It is unclear what is intended by this language. It could be read to mean that the SWPPP not include any requirement for any storm events smaller than a 25-year 24-hour event and that only events of that size or greater need be designed for. This requirement would be prohibitively expensive and relatively unnecessary since these rainfall events are uncommon.

RESPONSE 19: The Agency has not revised this language. Designing for storm events equal to or greater than a 25-year 24-hour rainfall event will result in a system designed for a minimum of 25-year 24-hour storm event as the Agency intends. A system designed for a 25-year 24-hour storm event will also handle any storm events less than the 25-year 24-hour storm event. Section IV.D.2.h.iii also references the Illinois Urban Manual which may include BMPs requiring designs for smaller storm events.

COMMENT 20: Section IV.D.2.h.i states, "while not mandatory..." for including a storm water pollution prevention plan and design. The provisions within this subsection are not intended to impose a legally binding requirement, according to the language in the permit and therefore may be more appropriately placed within the Fact Sheet.

RESPONSE 20: The Agency has retained this language in the permit in order to highlight post-construction storm water controls that will provide water quality benefits.

COMMENT 21: Part IV.6. Section D.4 includes very specific qualifications for performing inspections required by the permit. The professional qualification listed as examples (P.E., CPESC or CESSWI) are suitable for someone writing a SWPPP but are perhaps too comprehensive for those required to inspect the controls specified in the plan.

We recommend the Agency provide guidance or a recommendation of specific training that could be given to an "other knowledgeable person" who will be performing the inspection.

RESPONSE 21: The Agency has defined "other knowledgeable person" within the permit language as a person knowledgeable in the principles and practices of erosion and sediment controls and who possesses the skills to assess conditions at the construction site that could impact water quality and asses the effectiveness of any sediment and erosion control measures. Any training that expands a person's knowledge of the principles and practices of erosion and sediment controls is acceptable.

COMMENT 22: We recommend defining "contractor" as it is used within Part II.C and elsewhere in the permit.

RESPONSE 22: The Agency has added the following definition to ILR10: "Contractor" means a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job related to construction of the project authorized by this permit.

COMMENT 23: Section IV(D)(4) should be revised to include the designation Certified Stormwater Inspector (CSI). The other organizations that are listed in Section IV are no different than the National Stormwater Center.

The National Stormwater Center requests a public hearing on the proposed permit for the purpose of assuring the permit does not provide innoperiate [sp?] financial and other benefits to specific business interest.

RESPONSE 23: The Agency has added Certified Stormwater Inspector (CSI) to the list in Section IV(D)(4) as requested. The Agency has developed the General ILR10 NPDES permit to meet pertinent regulations and protect water quality. The permit does not provide financial or other benefits to any specific business interest. Therefore, the Agency has determined that a public hearing is not necessary.

COMMENT 24: For submittal of the NOT, you not only need to stabilize the site, but all construction activities need to cease and materials and equipment need to be removed from the site. It is completely normal that multi-phase projects would have nonperishable materials and supplies remain on the site to support future phases. This can include pre-cast concrete pipe, pre-cast structures, aggregate stockpiles, etc. which, if left on site, will not contribute to the potential for pollution. Not allowing the NOT to be filed based on these materials remaining will contribute to increased costs for continued inspections for no reason at all.

RESPONSE 24: Please see Response 14.

COMMENT 25: The comment period should be extended to at least 90 days in total with IEPA holding at least 1 public meeting in each region to allow stakeholders to learn about and then respond to these changes.

RESPONSE 25: Numerous stakeholders have provided comments to the Agency regarding the stormwater permit and the Agency has considered those comments. The Agency has and will continue to participate in workshops/meetings throughout the State regarding stormwater permit requirements to inform stakeholders and answer questions.

COMMENT 26: In response to the proposed change to Part II F(d) regarding material and equipment removal, we recommend the following language change:
"The date(s) when construction was completed, the site was stabilized, and when all materials, waste, waste handling devices, and construction equipment was removed from the site…"

RESPONSE 26: The Agency has revised Part II(F)(1)(d) to state "The date(s)…"

COMMENT 27: In response to the proposed change to Part IV D(2)(a)(ix) regarding dust minimization, we support this change.

RESPONSE 27: Thank you for your comment.

COMMENT 28: Clarification for what the term "frozen conditions" means would be helpful. In the northern part of the state, it is likely very clear what is meant by frozen conditions. However, when you apply it to the southern portion of the state, many contractors and engineers translate that to mean that the winter months only require monthly inspections.

RESPONSE 28: Frozen conditions means when ground and/or air temperatures are at or below 32 degrees Fahrenheit. The Agency has added this clarification to the permit.

COMMENT 29: A good SWPPP is only as good as the contractor who is implementing it. I feel that any deviation from the plan by the contractor, which provides less protection, should require a written explanation or approval by an engineer. Many times a contractor will over rule the engineer without the proper knowledge or just out to save a penny. The signature on the contractor certification is seemingly not enough.

RESPONSE 29: The ILR10 permit requires proper implementation of the SWPPP. Any deviation from the SWPPP is considered not in compliance with the permit. SWPPPs shall be maintained and updated as appropriate.

COMMENT 30: When engineers reference another manual in the SWPPP, such as an IDOT manual, the referenced material should be required to be onsite.

RESPONSE 30: The Agency has added "Any manuals or other documents referenced in the SWPPP shall also be retained at the construction site." to Part V (B).

COMMENT 31: SWPPP requirements should include details or drawings that show proper installation of BMPs.

RESPONSE 31: The Agency has added "The plan shall include details or drawings that show proper installation of controls and BMPs." to Part IV (D)(2).

COMMENT 32: Sediment basin information should also include post construction clean out.

RESPONSE 32: The Agency has added "Maintenance of any sediment basin shall include a post construction clean out of accumulated sediment if the basin is to remain in place." to Part IV (D)(3)(b).

COMMENT 33: The agricultural exemption is abused by contractors who haul out their spoil to agricultural fields and then claim it does not need to be stabilized.

RESPONSE 33: 40 CFR 122.3(e) exempts storm water runoff from agricultural fields, including storm water runoff from orchards, cultivated crops, pastures, range lands, and forest lands, from NPDES requirements.

COMMENT 34: Can clarification be provided regarding which projects actually require application of the native buffer section? As worded, Section2.j appears to require 50-foot native buffers for construction activities within 50-feet of Water of the US that cause a discharge. Is this statement requiring projects whose discharge is within 50 feet of the WOUS or those where the activity is within 50-feet of the WOUS to have a native buffer?

RESPONSE 34: Part IV (D)(2)(j) applies to any construction activities that are within 50 feet of a Waters of the United States.

COMMENT 35: Part IV(D)(3) should be revised to require maintenance cleaning of a basin when 50% of the basin's capacity is lost due to accumulated sediment.

RESPONSE 35: Part IV(D)(3) of the permit was revised to specify requirements for removing sediment and requires that sediment control structures are maintained and cleaned to be in effective operating condition.

COMMENT 36: Would it be possible to include a definition of Backwash water in the new permit?

RESPONSE 36: The Agency has added "...(water used to backwash/clean any filters used as part of stormwater treatment)..." to Part III(A)(4)(e).

COMMENT 37: Please consider presenting and publicly discussing the supporting data and the decision making process prior to the proposed change [to a 0.25-inch inspection threshold] to significantly increase the buy-in and success of its implementation.

RESPONSE 37: Please see Responses 2 and 25. The Agency has kept the 0.5 inch rainfall event threshold for requiring inspections.

APPENDIX G

Contractors Certification Form

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construct site identified as part of this certification.

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

_____

Contracting Firm Name:

_____

Address: Phone Number

_____

Signature: Title: Date:

Cook County Public Health | BUILDING HEALTHIER COMMUNITIES
A division of Cook County Health

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Cook County Board of Commissioners
Erik Mikaitis, MD, MBA
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Commissioner Bill Lowry • 3rd District
Vice-Chair of the Board
Jay Bhatt, DO, MPH, MPA
Joseph M. Harrington
Sage J. Kim, PhD
Gina Massuda Barnett, MPH
Robert G. Reiter, Jr.
Sam A Robinson, III, PhD
Tanya R. Sorrell, PhD, PMHNP-BC
Heather Steans

June 5, 2026

Cristobal Rodriguez
15N803 N. Old Sutton Road
Barrington, IL 60010

RE: Cook County Department of Public Health private sewage disposal system (septic) and well review towards development of a truck lot, truck maintenance building and logistics operation business proposal at 15N803 N. Old Sutton Road, Barrington (unincorporated), Illinois The eastern section of PIN: 01-28-102-010-0000

Dear Mr. Rodriguez,
The Cook County Dept. of Public Health (Department/CCDPH) has reviewed the request to develop a truck trailer lot, truck maintenance building, logistics operation business, vehicle storage/rental lot and other related operation at 15N803 N. Old Sutton Road, Barrington, Illinois otherwise contained in the PIN: 01-28-102-010. As part of this review we have looked at a proposed septic plan, water well location, drainage and storm water management features of the proposal, and the water system as a potential non-community public water system. We re-issue our APPROVAL towards the development of the property and zoning changes. We find based on the proposal that a septic and well will be achievable, sized and spaced adequately to serve the property for its proposed development.
This approval is towards the zoning change and its proposed development as a truck lot and logistics business. It is not an approval on an actual septic or well CCDPH permit, or change approval. Review on the well and septic plans' details is a separate review and approval process, which must be addressed through contacting me directly.

If you need to contact me, please don't hesitate to do so at (847) 818-2841 or email: joseph.durczak@cookcountyhealth.org

Sincerely,

Joe Durczak, MS, LEHP
Private Sewage Disposal and Water Program Manager

Cook County Department of Public Health
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