



Contractor's Name

Berger Excavating Contractors, Inc.

Contractor's Address

1205 Garland Road

City

Wauconda

State

IL

Zip Code

60084

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Street Name/Road Name

Various

Type of Funds

Local

CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

Signature and Date boxes for Highway Commissioner

Submitted/Approved

County Engineer/Superintendent of Highways

Date

Signature and Date boxes for County Engineer

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

Signature and Date boxes for Municipal Project

Official Title

VILLAGE PRESIDENT

Department of Transportation

Concurrence in approval of award

Regional Engineer Signature

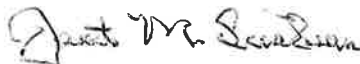
Date

Signature and Date boxes for Department of Transportation


Local Public Agency	Local Street/Road Name	County	Section Number
Village of Buffalo Grove	Various	Cook	

- THIS AGREEMENT, made and concluded the 6th day of December 2021 between the Village of Buffalo Grove, known as the party of the first part, and Berger Excavating Contractors, Inc., its successor, and assigns, known as the party of the second part.
- For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.
- It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section _____ in Village of Buffalo Grove, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.
- IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The Village of Buffalo Grove
Local Public Agency Type Name of Local Public Agency


Clerk	Date
	12/6/21

(SEAL)

Party of the First Part	Date
By: 	12/6/21

(If a Corporation)

Corporate Name
BERGER EXCAVATING CONTRACTORS INC.
 President, Party of the Second Part

By: 	Date
	12/06/2021

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part
 By: _____

(If a Partnership)


Partner	Date

Partner	Date

Partners doing Business under the firm name of
 Party of the Second Part

(If an individual)

Party of the Second Part	Date

Attest:
 Secretary  Date
 12/06/2021

(SEAL)



Contract Bond



Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various	

Bond information to be returned to Local Public Agency at 50 Raupp Blvd, Buffalo Grove, Illinois, 60089
Complete Address

We, Berger Excavating Contractors, Inc., 1205 Garland Road, Wauconda, Illinois, 60084
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and
State

Western Surety Company, 801 Warrenville Rd., Lisle, IL 60532
Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (thereafter referred to as "LPA") in the penal sum of
Seven Million Four Hundred Seventy Four Thousand Four Hundred Ninety One Dollars and Sixty Six Cents -----

Dollars (\$7,474,491.66) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.


NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this 16th day of December, 2021 .
Day Month and Year


PRINCIPAL

Company Name
Berger Excavating Contractors, Inc.

Company Name
N/A

By
Signature & Title Date
 PRESIDENT 12/06/2021

By
Signature & Title Date

Attest
Signature & Title Date
 SECRETARY 12/06/2021

Attest
Signature & Title Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF LAKE

I, SHANNON PAYSON, a Notary Public in and for said county, do hereby certify that

Notary Name
JULIE CHARBELLIN

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6 day of December, 2021



Notary Public Signature
Shannon Payson
Date commission expires June 19, 2023

SURETY

Name of Surety
Western Surety Company

Title
By: Kelly A. Gardner
Kelly A. Gardner, Attorney-in-Fact

STATE OF IL
COUNTY OF DuPage

I, Alexa Costello, a Notary Public in and for said county, do hereby certify that

Kelly A. Gardner

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 16th day of December, 2021



Notary Public Signature
Alexa Costello
Date commission expires November 19, 2023

Approved this 6th day of DECEMBER, 2021

Attest:

Local Public Agency Clerk Signature
Date
12/6/21

Village Clerk
Local Public Agency Type

Awarding Authority
VILLAGE OF BUFFALO GROVE

Awarding Authority Signature
Date
12/6/21

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

James I Moore, Stephen T Kazmer, Dawn L Morgan, Melissa Schmidt, Amy Wickett, Kelly A Gardner, Jennifer J Mc Comb, Tariese M Pisciotto, Diane M Rubright, Martin Moss, Individually

of Downers Grove, IL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 20th day of June, 2021.



WESTERN SURETY COMPANY

Paul T. Bruflat

Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 20th day of June, 2021, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026



M. Bent

M. Bent, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 16th day of December, 2021



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.



Local Public Agency
Formal Contract Proposal

PROPOSAL SUBMITTED BY		
Contractor's Name		
Street	P.O. Box	
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF Cook/Lake
Village of Buffalo Grove
 (Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. 2022 Forest/Glendale Street & Utility Improvements
 SECTION NO. N/A
 TYPES OF FUNDS General (Local)

SPECIFICATIONS (required)

PLANS (required)

For Municipal Projects
 Submitted/Approved/Passed

Mayor President of Board of Trustees Municipal Official

Date

Department of Transportation
 Released for bid based on limited review

Regional Engineer

Date

For County and Road District Projects
 Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

NOTICE TO BIDDERS

County Cook/Lake
Local Public Agency V. of Buffalo Grove
Section Number N/A
Route Various

Sealed proposals for the improvement described below will be received electronically at www.vbg.org/bids until 9:30 AM on November 18, 2021

Sealed proposals will be opened and read publicly via Microsoft Teams Meeting at 9:30 AM on November 18, 2021

DESCRIPTION OF WORK

Name 2022 Forest/Glendale Street & Utility Improvements Length: 11500.00 feet (2.18 miles)
Location Forest Pl, Glendale Rd, St. Mary's Pkwy, Navajo Tr, Crestview Terr, Brucewood Dr, Frances Ct, Bernard Dr
Proposed Improvement Water Main & Service Line Replacement; Storm Sewer Improvements; HMA Pavement Removal & Replacement; HMA Pavement Patching; Landscape Restoration; and other associated improvements.

1. Plans and proposal forms will be available in the office of www.vbg.org/bids Office of the Purchasing Manager - (847) 459-2500

2. [X] Prequalification
If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

- 4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
a. BLR 12200: Local Public Agency Formal Contract Proposal
b. BLR 12200a Schedule of Prices
c. BLR 12230: Proposal Bid Bond (if applicable)
d. BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)
e. BLR 12326: Affidavit of Illinois Business Office


5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.

8. Each proposal should be submitted in an opaque envelopes and shall be marked to clearly indicate its contents. When sent by mail, the sealed proposed shall be addressed to the Village of Buffalo Grove at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

10. All bidders are prohibited from making any contact with the Village President, Trustees, or any other official or employee of the Village (collectively, 'Municipal Personnel') with regard to the Project, other than in the manner and to the person(s) designated herein. The Buffalo Grove Village Manager reserves the right to disqualify any bidder that is found to have contacted Municipal Personnel in any manner with regard to the Project. Additionally, if the Buffalo Grove Village Manager determines that the contact with Municipal Personnel was in violation of any provision of 720 ILCS 5/33E, the matter will be turned over to the State's Attorney for review and prosecution.
11. All prime contractors shall be IDOT prequalified contractors with a value equal to or greater for the type of work they are to perform as part of the Contract. Furthermore, all bidders are required to register with the Village of Buffalo Grove at:
<https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration>
OR
www.vbg.org/bids
12. All bid proposals must be submitted electronically through the Village's Vendor Registry online procurement system. **Hard copy bids will not be accepted.** As read results of the bids will be posted to the Village's webpage, www.vbg.org/bids as soon as possible following the bid opening. In order to submit a bid proposal, bidders
 - a. Go to www.vbg.org/bids
 - b. Select on the project description, '2022 Forest/Glendale Street & Utility Improvements' and click the large red  button at the top
 - c. Log in to your account and enter your total bid.
 - d. Include an attachment (up to 200 MB), the following bid documents only:
 - i. Local Public Agency Formal Contract Proposal (11 Pages)
 - ii. Local Agency Proposal Bid Bond
 - e. The following documents will be requested by the two (2) as read low bidders immediately following the bid opening:
 - i. Affidavit of Illinois Business Office
 - ii. Affidavit of Availability
 - iii. Village of Buffalo Grove Public Contract Statements

All bids will be opened and read publicly via the Microsoft Teams video conferencing platform.

Please join my meeting from your computer, tablet or smartphone.

<https://bit.ly/3nf0LWy>

All communication during the bid process shall be directed to:

Gewalt Hamilton Associates, Inc.
Attn: Brian Wesolowski, PE
625 Forest Edge Drive
Vernon Hills, Illinois 60061
(847) 821-6235
bwesolowski@gha-engineers.com

PROPOSAL

County Cook/Lake
 Local Public Agency V. of Buffalo Grove
 Section Number N/A
 Route Various

1. Proposal of _____

for the improvement of the above section by the construction of Water Main & Service Line Replacement; Storm Sewer Improvements; HMA Pavement Removal & Replacement; HMA Pavement Patching; Landscape Restoration; and other associated improvements for

a total distance of 11500.00 feet, of which a distance of 11500.00 feet, (2.178 miles) are to be improved.

2. The plans for the proposed work are those prepared by Gewalt Hamilton Associates, Inc. and approved by the Department of Transportation on _____

3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within _____ working days or by 09/16/2022 unless additional time is granted in accordance with the specifications.

6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

 Treasurer of Buffalo Grove

The amount of the check is Bid Bond (10% of Total Bid) (_____).

7. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.

8. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.

9. A bid will be declared unacceptable if neither a unit price nor a total price is shown.

10. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.

SCHEDULE OF PRICES**Base Bid Scope of Work:**

For the complete scope of work and information covering these items, see the plans and specifications.

2022 FOREST/GLENDALE STREET & UTILITY IMPROVEMENTS

The following Unit Prices will be used for basis of payment and shall be the bidder's proposal for completing the entire improvements herein.

BASE BID

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE TRUNK PROTECTION	300.0	EA	\$	\$
2	TREE ROOT PRUNING	185.0	EA	\$	\$
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	330.0	CY	\$	\$
4	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	13,270.0	CY	\$	\$
5	TRENCH BACKFILL, FINE AGGREGATE, FA-6 (SPECIAL)	155.0	CY	\$	\$
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	950.0	SY	\$	\$
7	GENERAL LANDSCAPE RESTORATION (SPECIAL)	6,120.0	SY	\$	\$
8	MOWING (SPECIAL)	5.0	EA	\$	\$
9	SUPPLEMENTAL WATERING	17.0	UN	\$	\$
10	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	6,250.0	SY	\$	\$
11	TEMPORARY MULCH METHOD 3A (SPECIAL)	6,250.0	SY	\$	\$
12	TOPSOIL, FURNISH AND PLACE 4"	130.0	SY	\$	\$
13	SODDING, SALT TOLERANT	130.0	SY	\$	\$
14	NITROGEN FERTILIZER NUTRIENT	5.0	LBS	\$	\$
15	PHOSPHORUS FERTILIZER NUTRIENT	5.0	LBS	\$	\$
16	POTASSIUM FERTILIZER NUTRIENT	5.0	LBS	\$	\$
17	INLET FILTERS	38.0	EA	\$	\$
18	AGGREGATE SUBGRADE IMPROVEMENT	330.0	CY	\$	\$
19	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	7,840.0	TN	\$	\$
20	PREPARATION OF BASE	18,630.0	SY	\$	\$
21	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	25.0	SY	\$	\$
22	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	2,635.0	TN	\$	\$
23	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	2,505.0	TN	\$	\$
24	BITUMINOUS MATERIALS (TACK COAT)	6,330.0	LB	\$	\$
25	CLASS B PATCHES, TYPE IV, 10 INCH	190.0	SY	\$	\$
26	CLASS D PATCHES, TYPE IV, 5 INCH	1,500.0	SY	\$	\$
27	CLASS D PATCHES, TYPE IV, 10 INCH	1,205.0	SY	\$	\$
28	DOWEL BARS 1 1/2"	50.0	EA	\$	\$
29	TIE BARS 3/4"	180.0	EA	\$	\$
30	SAW CUTS	215.0	FT	\$	\$
31	WELDED WIRE REINFORCEMENT	190.0	SY	\$	\$
32	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	900.0	SY	\$	\$
33	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	11,145.0	SF	\$	\$
34	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	184.0	SF	\$	\$
35	PAVEMENT REMOVAL	18,630.0	SY	\$	\$
36	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"	4,680.0	SY	\$	\$
37	DRIVEWAY PAVEMENT REMOVAL	990.0	SY	\$	\$

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
38	COMBINATION CURB AND GUTTER REMOVAL	3,095.0	FT	\$	\$
39	SIDEWALK REMOVAL	11,315.0	SF	\$	\$
40	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	135.0	FT	\$	\$
41	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10.0	FT	\$	\$
42	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	10.0	FT	\$	\$
43	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 54"	1,400.0	FT	\$	\$
44	WATER MAIN 6"	10.0	FT	\$	\$
45	WATER MAIN 8"	10,000.0	FT	\$	\$
46	WATER MAIN, INSULATED, 8"	25.0	FT	\$	\$
47	WATER MAIN 10"	1,925.0	FT	\$	\$
48	WATER MAIN, INSULATED, 10"	40.0	FT	\$	\$
49	WATER MAIN 12"	10.0	FT	\$	\$
50	WATER MAIN 16"	115.0	FT	\$	\$
51	WATER VALVES 8"	30.0	EA	\$	\$
52	WATER VALVES 10"	8.0	EA	\$	\$
53	WATER VALVES 16"	2.0	EA	\$	\$
54	FIRE HYDRANTS TO BE REMOVED	25.0	EA	\$	\$
55	FIRE HYDRANT EXTENSION	10.0	FT	\$	\$
56	FIRE HYDRANT ASSEMBLY, COMPLETE	35.0	EA	\$	\$
57	PIPE UNDERDRAINS, 4" (SPECIAL)	1,600.0	FT	\$	\$
58	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	40.0	EA	\$	\$
59	REMOVING CATCH BASINS	1.0	EA	\$	\$
60	REMOVING MANHOLES	13.0	EA	\$	\$
61	REMOVING INLETS	2.0	EA	\$	\$
62	DRAINAGE STRUCTURES TO BE ABANDONED	2.0	EA	\$	\$
63	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED) (SPECIAL)	3,010.0	FT	\$	\$
64	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	85.0	FT	\$	\$
65	MOBILIZATION	1.0	LS	\$	\$
66	STORM SEWER CONNECTION (SPECIAL)	19.0	EA	\$	\$
67	SANITARY SEWER CONNECTION (SPECIAL)	14.0	EA	\$	\$
68	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	2.0	EA	\$	\$
69	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	1.0	EA	\$	\$
70	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	3.0	EA	\$	\$
71	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	5.0	EA	\$	\$
72	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$	\$
73	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 11 FRAME AND GRATE	2.0	EA	\$	\$
74	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$	\$
75	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	3.0	EA	\$	\$
76	DRAINAGE STRUCTURES, 6'X2' WITH EJIW 7030 DOUBLE FRAME AND GRATE	5.0	EA	\$	\$
77	VALVE VAULTS TO BE ABANDONED	5.0	EA	\$	\$
78	VALVE BOXES TO BE REMOVED	3.0	EA	\$	\$
79	VALVE VAULTS TO BE REMOVED	26.0	EA	\$	\$
80	WATER VALVES TO BE REMOVED	29.0	EA	\$	\$
81	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$	\$
82	TRAFFIC CONTROL AND PROTECTION - BUFFALO GROVE ROAD (SPECIAL)	1.0	LS	\$	\$

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
83	CUT AND CAP EXISTING WATER MAIN	12.0	EA	\$	\$
84	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8"	6.0	EA	\$	\$
85	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 12"	2.0	EA	\$	\$
86	PRESSURE CONNECTION 6" x 6"	1.0	EA	\$	\$
87	PRESSURE CONNECTION 8" x 8"	5.0	EA	\$	\$
88	LINE STOP 8"	5.0	EA	\$	\$
89	LINE STOP 12"	2.0	EA	\$	\$
90	WATER MAIN REMOVAL, 12"	125.0	FT	\$	\$
91	DRAINAGE STRUCTURES TO BE ADJUSTED	1.0	EA	\$	\$
92	DRAINAGE STRUCTURES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	4.0	EA	\$	\$
93	FRAMES AND LIDS, TYPE 1, CLOSED LID (SANITARY)	19.0	EA	\$	\$
94	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	2.0	EA	\$	\$
95	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	40.0	FT	\$	\$
96	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	85.0	FT	\$	\$
97	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	35.0	FT	\$	\$
98	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	95.0	FT	\$	\$
99	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	20.0	FT	\$	\$
100	TEMPORARY INFORMATION SIGNING	468.0	SF	\$	\$
101	CHANGEABLE MESSAGE SIGN	60.0	CAL DAY	\$	\$
102	DETECTOR LOOP REPLACEMENT	135.0	FT	\$	\$
103	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	2.0	EA	\$	\$
104	TEMPORARY TRAFFIC SIGNAL TIMING	2.0	EA	\$	\$
105	MANHOLES, DROP, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	2.0	EA	\$	\$
106	SANITARY SEWERS, 8"	190.0	FT	\$	\$
107	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	45.0	FT	\$	\$
108	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	50.0	FT	\$	\$
109	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	40.0	FT	\$	\$
110	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 16"	145.0	FT	\$	\$
111	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 24"	95.0	FT	\$	\$
112	EXPLORATION EXCAVATION (SPECIAL)	50.0	EA	\$	\$
113	ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL)	1,015.0	FT	\$	\$
114	STORM SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	260.0	FT	\$	\$
115	STORM SEWER TO BE REMOVED, GREATER THAN 18-INCH DIAMETER (SPECIAL)	275.0	FT	\$	\$
116	PLUG EXISTING STORM SEWER	6.0	EA	\$	\$
117	SANITARY SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	190.0	FT	\$	\$
118	SANITARY SEWER TELEVISION	1.0	LS	\$25,000.00	\$25,000.00
119	TEMPORARY STORM SEWER CONNECTION, 36"	1.0	LS	\$	\$
120	BUFFALO BOX FRAME & LID (SPECIAL)	54.0	EA	\$	\$
121	WATER SERVICE, TYPE K COPPER, 1" (SPECIAL)	5,015.0	FT	\$	\$
122	WATER SERVICE, TYPE K COPPER, 1", TRENCHLESS METHOD (SPECIAL)	2,535.0	FT	\$	\$
123	WATER SERVICE, CONNECT EXISTING, COMPLETE (SPECIAL)	255.0	EA	\$	\$
124	WATER SERVICE, TAP, 1" COMPLETE (SPECIAL)	255.0	EA	\$	\$
125	ABANDON EXISTING WATER MAIN (SPECIAL)	170.0	CY	\$	\$

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
126	TEMPORARY PAVEMENT	105.0	TN	\$	\$
127	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	90.0	SY	\$	\$
128	CLASS D PATCHES, TYPE IV, 5 INCH (SPECIAL)	2,135.0	SY	\$	\$
129	CLASS D PATCHES, TYPE IV, 10 INCH (SPECIAL)	95.0	SY	\$	\$

PROPOSAL OF UNIT PRICE BASE BID TOTAL: \$ _____

Written Amount for Proposal of Unit Price Base Bid Total:

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ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
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ALTERNATE 01

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE TRUNK PROTECTION	46.0	EA	\$	\$
2	TREE ROOT PRUNING	25.0	EA	\$	\$
3	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	1,750.0	CY	\$	\$
4	GENERAL LANDSCAPE RESTORATION (SPECIAL)	700.0	SY	\$	\$
5	MOWING (SPECIAL)	1.0	EA	\$	\$
6	SUPPLEMENTAL WATERING	3.0	UN	\$	\$
7	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	700.0	SY	\$	\$
8	TEMPORARY MULCH METHOD 3A (SPECIAL)	700.0	SY	\$	\$
9	INLET FILTERS	10.0	EA	\$	\$
10	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	980.0	TN	\$	\$
11	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	160.0	SY	\$	\$
12	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	1,725.0	SF	\$	\$
13	DRIVEWAY PAVEMENT REMOVAL	160.0	SY	\$	\$
14	COMBINATION CURB AND GUTTER REMOVAL	225.0	FT	\$	\$
15	SIDEWALK REMOVAL	1,725.0	SF	\$	\$
16	WATER MAIN 6"	40.0	FT	\$	\$
17	WATER MAIN 8"	330.0	FT	\$	\$
18	WATER MAIN 10"	2,100.0	FT	\$	\$
19	WATER VALVES 6"	1.0	EA	\$	\$
20	WATER VALVES 8"	3.0	EA	\$	\$
21	WATER VALVES 10"	6.0	EA	\$	\$
22	FIRE HYDRANTS TO BE REMOVED	2.0	EA	\$	\$
23	FIRE HYDRANT EXTENSION	4.0	FT	\$	\$
24	FIRE HYDRANT ASSEMBLY, COMPLETE	6.0	EA	\$	\$
25	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	10.0	EA	\$	\$
26	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED) (SPECIAL)	225.0	FT	\$	\$
27	MOBILIZATION	1.0	LS	\$	\$
28	STORM SEWER CONNECTION (SPECIAL)	14.0	EA	\$	\$
29	SANITARY SEWER CONNECTION (SPECIAL)	2.0	EA	\$	\$
30	VALVE VAULTS TO BE ABANDONED	4.0	EA	\$	\$
31	VALVE BOXES TO BE REMOVED	4.0	EA	\$	\$
32	VALVE VAULTS TO BE REMOVED	8.0	EA	\$	\$
33	WATER VALVES TO BE REMOVED	11.0	EA	\$	\$
34	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$	\$
35	CUT AND CAP EXISTING WATER MAIN	4.0	EA	\$	\$
36	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 6"	2.0	EA	\$	\$
37	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8"	5.0	EA	\$	\$
38	PRESSURE CONNECTION 6" x 6"	1.0	EA	\$	\$
39	PRESSURE CONNECTION 8" x 8"	1.0	EA	\$	\$
40	LINE STOP 8"	2.0	EA	\$	\$
41	TEMPORARY INFORMATION SIGNING	208.0	SF	\$	\$
42	SANITARY SEWERS, 8"	20.0	FT	\$	\$
43	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	120.0	FT	\$	\$

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
44	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 30"	20.0	FT	\$	\$
45	EXPLORATION EXCAVATION (SPECIAL)	15.0	EA	\$	\$
46	ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL)	120.0	FT	\$	\$
47	STORM SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	120.0	FT	\$	\$
48	STORM SEWER TO BE REMOVED, GREATER THAN 18-INCH DIAMETER (SPECIAL)	20.0	FT	\$	\$
49	SANITARY SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	20.0	FT	\$	\$
50	BUFFALO BOX FRAME & LID (SPECIAL)	10.0	EA	\$	\$
51	WATER SERVICE, TYPE K COPPER, 1" (SPECIAL)	230.0	FT	\$	\$
52	WATER SERVICE, TYPE K COPPER, 1", TRENCHLESS METHOD (SPECIAL)	1,080.0	FT	\$	\$
53	WATER SERVICE, CONNECT EXISTING, COMPLETE (SPECIAL)	37.0	EA	\$	\$
54	WATER SERVICE, TAP, 1" COMPLETE (SPECIAL)	37.0	EA	\$	\$
55	ABANDON EXISTING WATER MAIN (SPECIAL)	30.0	CY	\$	\$
56	CLASS D PATCHES, TYPE IV, 5 INCH (SPECIAL)	2,055.0	SY	\$	\$

PROPOSAL OF UNIT PRICE ALTERNATE BID TOTAL: \$ _____

Written Amount for Proposal of Unit Price Alternate Bid Total:

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CONTRACTOR CERTIFICATIONS

County	<u>Cook/Lake</u>
Local Public Agency	<u>V. of Buffalo Grove</u>
Section Number	<u>N/A</u>
Route	<u>Various</u>

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

- Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Village of Buffalo Grove to recover all amounts paid to the individual or entity under the contract in a civil action.
- Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department or the Village of Buffalo Grove by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

- Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
- Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.
- Conflict of Interest.** The Village of Buffalo Grove Municipal Code requires the following verification relative to conflict of interest and compliance with general ethics requirements of the Village:

The undersigned supplier hereby represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of the this (bid or purchase order) that none of the following Village Officials are either an officer or director of supplier or owns five percent (5%) or more of the Supplier: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Planning & Zoning Commission, the Village Manager and his Assistant or Assistants, or the heads of the various departments of the Village of Buffalo Grove.

If the foregoing representation and warranty is inaccurate, state the name of the Village official who either is an officer or director of your business entity or owns five percent (5%) or more thereof:

(Official) _____

SIGNATURES

County Cook/Lake

Local Public Agency V. of Buffalo Grove

Section Number N/A

Route Various

(If an individual)

Signature of Bidder _____

Printed Name _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Printed Name _____

Business Address _____

Inset Names and Addressed of All Partners

{ _____

{ _____

{ _____

{ _____

(If a corporation)

Corporate Name _____

Signed By _____

Printed Name _____

President

Business Address _____

Inset Names of Officers

{ President _____

{ Secretary _____

{ Treasurer _____

Attest: _____

Secretary



Local Public Agency Proposal Bid Bond



VoBG-2022-24

Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook/Lake	N/A

WE, _____ as PRINCIPAL, and _____ as SURETY, are held jointly, severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 10% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this _____ of _____ Day Month and Year

Principal

Company Name

Signature Date

By:

Title

Company Name

Signature Date

By:

Title

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

Name of Surety

Signature of Attorney-in-Fact Date

By:

STATE OF IL
 COUNTY OF

I _____, a Notary Public in and for said county do hereby certify that

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ Month and Year

(SEAL)

Notary Public Signature

Date commission expires _____



Affidavit of Illinois Business Office



VoBG-2022-24

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook/Lake	Various	N/A

I, _____ of _____, _____,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the _____ of _____.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, _____, will maintain a business office in the
Bidder
 State of Illinois, which will be located in _____ County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature	Date
Print Name of Affiant	

Notary Public

State of IL

County _____

Signed (or subscribed or attested) before me on _____ by
(date)

_____, authorized agent(s) of
(name/s of person/s)

Bidder

Signature of Notary Public

My commission expires _____

(SEAL)



Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

Add pages for additional contracts



Affidavit of Availability

For the Letting of

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, IL 62764

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	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

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Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
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Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

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Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	2	3	4	Awards Pending	1
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

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Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

Add pages for additional contracts



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Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, IL 62764

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	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

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Totals						

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	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
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Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

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Title

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Address

City

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Subscribed and sworn to before me

this _____ day of _____, _____

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My commission expires _____

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Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
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Drainage						
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Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

Add pages for additional contracts



Affidavit of Availability

For the Letting of

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me
this ____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

EXHIBIT A - PUBLIC CONTRACT STATEMENT

This Public Contract Statement (the “Contract Statement”) has been executed by the below supplier, Contractor or vendor (collectively the “Contractor”) in order for the Village of Buffalo Grove to obtain certain information necessary prior to awarding a public contract. The Contract Statement shall be executed and notarized and submitted as part of the Bid Proposal.

CERTIFICATION OF CONTRACTOR/BIDDER

In order to comply with 720 Illinois Compiled Statutes 5/33 E-1 et seq., the Village of Buffalo Grove requires the following certification be acknowledged:

The Contractor certifies that it is not barred from bidding or supplying any goods, services or construction let by the Village of Buffalo Grove with or without bid, due to any violation of either Section 5/33 E-3 or 5/33 E-4 of Article 33E, Public Contracts, of the Chapter 720 of the Illinois Compiled Statutes, as amended. This act relates to interference with public contracting, bid rigging and rotating, kickbacks, and bidding.

CERTIFICATION RELATIVE TO 65 ILCS 5/11-42.1.1

In order to comply with 65 Illinois Compiled Statutes 5/11-42.1.1, the Village of Buffalo Grove requires the following certification:

The Contractor does hereby swear and affirm that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue unless it is contesting such tax in accordance with the procedures established by the appropriate revenue act, its liability for the tax or the amount of the tax. The undersigned further understands that making a false statement herein: (1) is a Class A misdemeanor, and (2) voids the contract and allows the Village to recover all amounts paid to it under the contract.

CONFLICT OF INTEREST

The Village of Buffalo Grove Municipal Code requires the following verification relative to conflict of interest and compliance with general ethics requirements of the Village:

The Contractor represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of their Bid Proposal that none of the following Village officials is either an officer or director of Contractor nor owns five percent (5%) or more of the Contractor: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Zoning Board of Appeals and the Plan Commission, the Village Manager and his/her Assistant, or the heads of the various departments within the Village.

If the foregoing representation and warranty is inaccurate, state the name of the Village official who either is an officer or director of your business entity or owns five percent (5%) or more thereof: _____.

IN WITNESS WHEREOF, the below Contractor has signed and sealed this Contract Statement as of this ____ day of _____, 20__.

Print Name of Contractor

Signature

Print Title

Given under my hand and official seal, this ____ day of _____, 20__.

Notary Public

Description of Work
2022 Forest/Glendale Street & Utility Improvements
Village of Buffalo Grove

The following is a list of streets including limits, lengths, area, and a brief description of work:

BASE BID:			
Street	From/To	Length	Area
St. Mary's Parkway	Raupp Boulevard to Navajo Trail	1,460 FT (0.277 miles)	3,895 SY
Crestview Terrace	St. Mary's Parkway to St. Mary's Parkway	1,545 FT (0.292 miles)	4,120 SY
Brucewood Court	North End to St. Mary's Parkway	220 FT (0.041 miles)	845 SY
Brucewood Drive	St. Mary's Parkway to Forest Place	300 FT (0.057 miles)	800 SY
Forest Place	Bernard Drive to Navajo Trail	1,585 FT (0.300 miles)	4,230 SY
Glendale Road	Raupp Boulevard to Navajo Trail	2,200 FT (0.417 miles)	5,870 SY
Frances Court	West End to Glendale Road	240 FT (0.045 miles)	895 SY
Navajo Trail	St. Mary's Parkway to Roberta Court	2,000 FT (0.379 miles)	5,335 SY
Bernard Drive	Raupp Boulevard to Buffalo Grove Road	1,950 FT (0.369 miles)	3,470 SY
		Totals: 11,500 FT (2.178 miles)	29,460 SY

Utility Improvements. The above street segments will include water main replacement, water service line installation, storm sewer improvements, pavement removal, curb and gutter patching at various locations, sidewalk removal and replacement at various locations, storm and sanitary sewer spot repairs, hot-mix asphalt pavement patching, preparation of base and aggregate base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.

ALTERNATE 01:			
Street	From/To	Length	Area
Bernard Drive	Elmwood Drive to Raupp Boulevard	2,034 FT (0.385 miles)	3,620 SY
		Totals: 2,034 FT (0.385 miles)	3,620 SY

Utility Improvements. The above street segments will include water main replacement, water service line installation, hot-mix asphalt pavement patching, landscape restoration and other associated improvements.



Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook/Lake	N/A

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

Check Sheet #		Page No.
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	97
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	100
3	<input type="checkbox"/> EEO	101
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	111
5	<input type="checkbox"/> Required Provisions - State Contracts	116
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	122
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	123
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	124
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	125
10	<input type="checkbox"/> Construction Layout Stakes	128
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	131
12	<input type="checkbox"/> Subsealing of Concrete Pavements	133
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	137
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	139
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	140
16	<input type="checkbox"/> Polymer Concrete	142
17	<input type="checkbox"/> PVC Pipeliner	144
18	<input type="checkbox"/> Bicycle Racks	145
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	147
20	Reserved	149
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	150
22	<input type="checkbox"/> English Substitution of Metric Bolts	151
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	152
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	153
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	161
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	177
27	Reserved	179
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment (A-1)	180
29	Reserved	186
30	Reserved	187
31	Reserved	188
32	<input type="checkbox"/> Temporary Raised Pavement Markers	189
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	190
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	193
35	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	197
36	<input type="checkbox"/> Longitudinal Joint and Crack Patching	200
37	<input type="checkbox"/> Concrete Mix Design - Department Provided	202

Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	204
LRS 2	<input type="checkbox"/> Furnished Excavation	205
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	206
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	207
LRS 5	<input checked="" type="checkbox"/> Contract Claims	208
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	209
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	215
LRS 8	Reserved	221
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	222
LRS 10	Reserved	223
LRS 11	<input checked="" type="checkbox"/> Employment Practices	224
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	226
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	228
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	229
LRS 15	<input checked="" type="checkbox"/> Partial Payments	232
LRS 16	<input type="checkbox"/> Protests on Local Lettings	233
LRS 17	<input type="checkbox"/> Substance Abuse Prevention Program	234
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	235

BDE SPECIAL PROVISIONS
For the January 21, 2022 and March 11, 2022 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
*	80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
	80192	3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
*	80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
	80436	6	<input type="checkbox"/> Blended Finely Divided Minerals	April 1, 2021	
	80241	7	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
	50261	8	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50481	9	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50491	10	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50531	11	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
	80384	12	<input type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
	80198	13	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
	80199	14	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	15	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	16	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80261	17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80434	18	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
	80029	19	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
	80229	20	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
*	80433	21	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
*	80422	22	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Jan. 1, 2022
*	80442	23	<input type="checkbox"/> Hot-Mix Asphalt – Start of Production	Jan. 1, 2022	
*	80438	24	<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	Sept. 2, 2021
*	80411	25	<input type="checkbox"/> Luminaires, LED	April 1, 2019	Jan. 1, 2022
*	80045	26	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Jan. 1, 2022
	80418	27	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
*	80441	28	<input type="checkbox"/> Performance Graded Asphalt Binder	Jan. 1, 2022	
	80430	29	<input type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
*	34261	30	<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80395	31	<input type="checkbox"/> Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
*	80340	32	<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
*	80127	33	<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	34	<input type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	35	<input type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	36	<input type="checkbox"/> Submission of Payroll Records	April 1, 2021	
*	80435	37	<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2022
	80410	38	<input type="checkbox"/> Traffic Spotters	Jan. 1, 2019	
*	20338	39	<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80318	40	<input type="checkbox"/> Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
*	80429	41	<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	42	<input type="checkbox"/> Vehicle and Equipment Warning Lights	Nov. 1, 2021	
	80440	43	<input type="checkbox"/> Waterproofing Membrane System	Nov. 1, 2021	
	80302	44	<input type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80427	45	<input type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	
	80071	46	<input type="checkbox"/> Working Days	Jan. 1, 2002	

The following special provisions are in the 2022 Standard Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80425	Cape Seal	Sections 405, 1003	Jan. 1, 2020	Jan. 1, 2021
80387	Contrast Preformed Plastic Pavement Marking	Articles 780.08, 1095.03	Nov. 1, 2017	
80402	Disposal Fees	Article 109.04(b)	Nov. 1, 2018	
80378	Dowel Bar Inserter	Articles 420.03, 420.05, 1103.20	Jan. 1, 2017	Jan. 1, 2018
80421	Electric Service Installation	Articles 804.04, 804.05	Jan. 1, 2020	
80415	Emulsified Asphalts	Article 1032.06	Aug. 1, 2019	
80423	Engineer's Field Office and Laboratory	Section 670	Jan. 1, 2020	
80417	Geotechnical Fabric for Pipe Underdrains and French Drains	Articles 1080.01(a), 1080.05	Nov. 1, 2019	
80420	Geotextile Retaining Walls	Article 1080.06(d)	Nov. 1, 2019	
80304	Grooving for Recessed Pavement Markings	Articles 780.05, 780.14, 780.15	Nov. 1, 2012	Nov. 1, 2020
80416	Hot-Mix Asphalt – Binder and Surface Course	Sections 406, 1003, 1004, 1030, 1101	July 2, 2019	Nov. 1, 2019
80398	Hot-Mix Asphalt – Longitudinal Joint Sealant	Sections 406, 1032	Aug. 1, 2018	Nov. 1, 2019
80406	Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Sections 406, 1030	Jan. 1, 2019	Jan. 2, 2021
80347	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Sections 406, 1030	Nov. 1, 2014	July 2, 2019
80383	Hot-Mix Asphalt – Quality Control for Performance	Sections 406, 1030	April 1, 2017	July 2, 2019
80393	Manholes, Valve Vaults, and Flat Slab Tops	Articles 602.02, 1042.10	Jan. 1, 2018	Mar. 1, 2019
80424	Micro-Surfacing and Slurry Sealing	Sections 404, 1003	Jan. 1, 2020	Jan. 1, 2021
80428	Mobilization	Article 671.02	April 1, 2020	
80412	Obstruction Warning Luminaires, LED	Sections 801, 822, 1067	Aug. 1, 2019	
80359	Portland Cement Concrete Bridge Deck Curing	Articles 1020.13, 1022.03	April 1, 2015	Nov. 1, 2019
80431	Portland Cement Concrete Pavement Patching	Articles 701.17(e)(3)b, 1001.01(d), 1020.05(b)(5)	July 1, 2020	
80432	Portland Cement Concrete Pavement Placement	Article 420.07	July 1, 2020	
80300	Preformed Plastic Pavement Marking Type D - Inlaid	Articles 780.08, 1095.03	April 1, 2012	April 1, 2016
80157	Railroad Protective Liability Insurance (5 and 10)	Article 107.11	Jan. 1, 2006	
80306	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Section 1031	Nov. 1, 2012	Jan. 2, 2021
80407	Removal and Disposal of Regulated Substances	Section 669	Jan. 1 2019	Jan. 1, 2020
80419	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Articles 280.02, 280.04, 1080.02, 1080.03, 1081.15	Nov. 1, 2019	July 1, 2021
80408	Steel Plate Beam Guardrail Manufacturing	Article 1006.25	Jan. 1, 2019	
80413	Structural Timber	Article 1007.03	Aug. 1, 2019	
80298	Temporary Pavement Marking	Section 703, Article 1095.06	April 1, 2012	April 1, 2017
80409	Traffic Control Devices – Cones	Article 701.15(a), 1106.02(b)	Jan. 1, 2019	
80288	Warm Mix Asphalt	Sections 406, 1030, 1102	Jan. 1, 2012	April 1, 2016
80414	Wood Fence Sight Screen	Article 641.02	Aug. 1, 2019	April 1, 2020

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

BLENDED FINELY DIVIDED MINERALS (BDE)

Effective: April 1, 2021

Revise the second paragraph of Article 1010.01 of the Standard Specifications to read:

“Different sources or types of finely divided minerals shall not be mixed or used alternately in the same item of construction, except as a blended finely divided mineral product according to Article 1010.06.”

Add the following article to Section 1010 of the Standard Specifications:

“1010.06 Blended Finely Divided Minerals. Blended finely divided minerals shall be the product resulting from the blending or intergrinding of two or three finely divided minerals. Blended finely divided minerals shall be according to ASTM C 1697, except as follows.

- (a) Blending shall be accomplished by mechanically or pneumatically intermixing the constituent finely divided minerals into a uniform mixture that is then discharged into a silo for storage or tanker for transportation.
- (b) The blended finely divided mineral product will be classified according to its predominant constituent or the manufacturer’s designation and shall meet the chemical requirements of its classification. The other finely divided mineral constituent(s) will not be required to conform to their individual standards.”

80436

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

"(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment’s respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 ^{1/}	600-749	2002
	750 and up	2006
June 1, 2011 ^{2/}	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 ^{2/}	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<http://www.epa.gov/cleandiesel/verification/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

PORTLAND CEMENT CONCRETE – HAUL TIME (BDE)

Effective: July 1, 2020

Revise Article 1020.11(a)(7) of the Standard Specifications to read:

“(7) Haul Time. Haul time shall begin when the delivery ticket is stamped. The delivery ticket shall be stamped no later than five minutes after the addition of the mixing water to the cement, or after the addition of the cement to the aggregate when the combined aggregates contain free moisture in excess of two percent by weight (mass). If more than one batch is required for charging a truck using a stationary mixer, the time of haul shall start with mixing of the first batch. Haul time shall end when the truck is emptied for incorporation of the concrete into the work. The maximum haul time shall be as follows.

Concrete Temperature at Point of Discharge, °F (°C)	Maximum Haul Time ^{1/} (minutes)	
	Truck Mixer or Truck Agitator	Nonagitator Truck
50 - 64 (10 - 17.5)	90	45
> 64 (> 17.5) - without retarder	60	30
> 64 (> 17.5) - with retarder	90	45

1/ To encourage start-up testing for mix adjustments at the plant, the first two trucks will be allowed an additional 15 minutes haul time whenever such testing is performed.

For a mixture which is not mixed on the jobsite, a delivery ticket shall be required for each load. The following information shall be recorded on each delivery ticket: (1) ticket number; (2) name of producer and plant location; (3) contract number; (4) name of Contractor; (5) stamped date and time batched; (6) truck number; (7) quantity batched; (8) amount of admixture(s) in the batch; (9) amount of water in the batch; and (10) Department mix design number.

For concrete mixed in jobsite stationary mixers, the above delivery ticket may be waived, but a method of verifying the haul time shall be established to the satisfaction of the Engineer.”

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. The lights shall be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”



Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook/Lake	N/A

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

April 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

2022 Forest/Glendale Street & Utility Improvements

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General Conditions

1. Scope of Work

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **“The Village of Buffalo Grove (Village) expressly reserves the right to remove from or add to the project any portions thereof included in the 2022 Forest/Glendale Street & Utility Improvements. Such reductions or additions, if any, shall be made in writing by the Village prior to execution of the Contract Documents. Any reduction in the scope of work required by the Village prior to the execution of the Contract Documents shall not result in an adjustment to the contract or to the price originally bid.”**

2. Definition of Village of Buffalo Grove

All references in the contract relating to the Department, Awarding Authority, Village of Buffalo Grove, Village, etc. shall mean the Village of Buffalo Grove.

3. Clean Construction and Demolition Debris (CCDD) Material Disposal

Work under this item shall be performed in compliance with the Illinois Environmental Protection Agency (IEPA) guidelines in effect at the time of construction.

The Contractor will be required to make all arrangements for coordination and submission of the necessary documents with their chosen CCDD or other suitable disposal facility. Written confirmation of preliminary approval must be provided from the disposal facility and confirmed by the Owner as acceptable.

All surplus, clean material generated from the Contractor's activities must be disposed of at an IEPA permitted CCDD or otherwise acceptable facility. The Contractor is responsible for providing documentation to the Village for each load hauled off-site showing the quantity of material and the location the material was disposed of.

Disposal of clean material not in compliance with these requirements will constitute breach of contract. If the Contractor fails to provide adequate documentation supporting the legal disposal of clean material according to this special provision, the Contractor shall be fined \$1,000 per load of material and will assume all liability associated with material disposed of not in compliance with this special provision.

No extra compensation will be allowed to the Contractor for any expenses incurred complying with these requirements including but not limited to: delays, inconvenience, or interruptions in the work resulting from compliance with these requirements. All costs associated with material disposal shall be included into the appropriate unit bid prices for the work.

4. JULIE Notification

The Contractor shall call the Joint Utility Locating Information for Excavators (JULIE) (1-800-892-0123 or 811), a minimum of forty-eight (48) hours in advance of work being done in the area in accordance with Article 107.39 of the Standard Specifications.

For utilities which are not members, excluding homeowners, the Contractor shall contact the owners directly. The Contractor will be required to cooperate with all utility companies and municipal agencies involved in connection with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services.

Cook County is not a member of JULIE. For location information on Cook County Traffic Signal equipment, Traffic Signal Interconnect equipment, Flashing Beacons equipment, Lighting equipment, etc., please contact the Mechanical, Electrical, Architectural and Landscaping Division at (312) 603-1734. If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCDOTH facilities prior to performing any work.

No additional compensation will be allowed the Contractor for any expense incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of the municipal agencies or utility company to remove, relocate, reconstruct or abandon their services.

5. Prequalification of Bidders

Bidders shall be prequalified with the Illinois Department of Transportation in accordance with Article 102.01 of the Standard Specifications and is required by all bidders.

All bidders are required to fully register with the Village of Buffalo Grove, including IRS Form W-9, at:

<https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration>

OR

www.vbg.org/bids

Select the link 'Register My Business'

Please contact Vendor Registry at (844) 802-9202 for assistance in the registration process.

The Village of Buffalo Grove reserves the right to reject any or all proposals if the bidder does not comply with the requirements as stated herein.

6. Completion Date

The Contractor shall commence the work to be performed under this contract, 10 days following the execution of the contract. The work shall be prosecuted in such a manner and with such a supply of materials, equipment and labor as considered necessary to ensure its completion according to the time specified in the contract. The Contractor shall substantially complete all work in the contract by **Friday, September 16, 2022**, including landscape restoration, as defined in Article 108.04 of the Standard Specifications. If the alternate is selected and awarded, all work in the contract shall be substantially completed by **Friday, October 28, 2022**.

Following substantial completion, the Contractor shall provide the Engineer written notice in accordance with Article 105.13 of the Standard Specifications. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

In case of failure to complete the work on time by the interim completion date, final completion date, working days, and/or the deficient punch list items, the provisions of Article 108.09 of the Standard Specifications shall apply, **except regardless of the contract amount, the daily charge shall be \$2,000 per calendar day overrun**. Landscape restoration planting times shall follow Article 250.07 of the Standard Specifications.

The estimated Village Board award date for this project is Monday, December 6, 2021 with an anticipated commencement date of Monday, January 17, 2022.

7. Contract Sequencing

The Contractor shall notify the Engineer at least 72 hours in advance of beginning work and 48 hours prior to construction commencement on each subsequent street. Construction operations shall be conducted in a manner such that streets will remain open to all traffic. At no time shall residents or business owners be kept out of their driveway over a weekend or holiday as defined in Article 107.09 of the Standard Specifications.

Work shall be scheduled so that it is continuous on the various roadways. The Contractor and approved Subcontractor(s) shall, at all times, employ and provide sufficient labor, tools, equipment, multiple mobilizations, and other incidental items for prosecuting the work to full completion in the manner and time required by the contract.

8. Construction Work Periods

Construction operations shall be completed in accordance with Article 107.09 of the Standard Specifications. All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays and 8:00 AM to 6:00 PM on Saturdays. No work shall be done on Sundays or legal holiday periods as defined in article 107.09 of the Standard Specifications.

Any work outside the allowed time periods in accordance with the Village Ordinance, including but not limited to, material deliveries, mobilization of equipment, warming up machinery, or truck staging, a penalty of \$1,000 per occurrence may be imposed.

9. Suggested Construction Sequencing

Due to the multiple permits, dry utility relocations and segmented nature of the work, project sequencing is of utmost importance to the Village to ensure this project is completed on budget and within the timeframe specified.

The Contractor shall be prepared to discuss the project sequencing along with the project schedule at the preconstruction meeting and recommend any changes to the plan outlined below. Changes to the suggested sequencing may cause temporary work in order to perform the improvements as proposed. Any additional temporary work other than what is outlined in the current plan/bid documents will not be paid for separately but shall be included in the cost of the item requiring the temporary work.

Phase #1 North of St. Mary's Parkway

The first phase of the project shall be installing water main replacements on St. Mary's Parkway, Crestview Terrace and Brucewood Court. A line stop is required on the southeast corner of Brucewood Drive and St Mary's Parkway to facilitate adequate shut downs for abandoning the existing main.

The storm sewer work in the intersection (three storm manholes and associated pipe) of St. Mary's Parkway and Navajo Trail shall also be completed during this phase including the temporary connection of the 36" diameter storm sewer on the southwest corner of St. Mary's Parkway and Navajo Trail.

Phase #2 St. Mary's Parkway to Bernard Drive

The second phase of the project shall be installing water main on Brucewood Drive, Forest Place, Glendale Road and Navajo Trail. The work on Navajo Trail shall also include the proposed 54" diameter storm sewer up to the north right of way line of Bernard Drive. It is preferred the storm sewer work is completed prior to the new water services being installed to the homes on the east side of Navajo Trail. Splicing of new water services through the storm sewer trench will not be permitted and will be required to be replaced at the Contractors expense from the main to the b-box. All conflicts with existing water services may be spliced as approved by the Village during the storm sewer work. The Contractor shall make every effort to avoid water shut downs associated with service lines during the storm sewer installation. Payment will not be made to the Contractor for services adjusted at the convenience of the Contractor.

Phase #3 Bernard Drive

No work can take place on this phase until Phase #1 above has had all water service transfers completed and the pavement has been restored with the proposed binder patch to finish grade.

The Contractor may setup the Bernard Drive closure as stipulated in the traffic control and detour plan for the work east of Navajo Trail. It is suggested that the Contractor also complete any storm sewer work on Bernard Drive while the closure is in place. The closure is limited to thirty (30) calendar days as stated in the Engineering plans. At the Contractor's discretion, the storm sewer south of Bernard Drive on Navajo Trail can be installed during this phase. Any conflicts with the existing water services would need to be adjusted. This work would not be paid for separately if sequenced in this manner.

The third phase of water main work would include all Bernard Drive water main including the alternate if selected and awarded from Buffalo Grove Road to White Pine Road.

Regardless of progress in Phase #4 the Contractor shall have the finished patch installed on Bernard Drive 30 calendar days following the final water service installation.

Phase #4 South of Bernard Drive

The fourth phase of the project includes all work south of Bernard Drive. No work can take place on this phase until Phase #2 above has had all water service transfers completed and the pavement has been restored up to binder. The storm sewer south of Bernard on Navajo Trail is in conflict with the existing water services. The proposed water main and services shall be installed to avoid the proposed storm sewer prior to starting the storm sewer work unless the contractor elects to perform the storm sewer work as part of Phase #3 as noted above. All temporary water service work shall not be paid for separately if the storm sewer is sequenced in this manner.

10. Pre-Construction Meeting

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village or Engineer will set the time and date of the meeting following Contract award.

The following shall be submitted by the Contractor for review at the pre-construction meeting:

A Progress Schedule in accordance with Article 108.02.

The 24-hour emergency phone number and contact information of the assigned Contractor's superintendent, or otherwise.

The name and 24-hour emergency phone number of the person in the direct employ of the Contractor who is responsible for administering the Traffic Control and Protection on the Contract

A list of subcontractors with contact information, including but not limited to name, phone number, and email address, and include quantity and type of work to be sublet for each respective subcontractor in accordance with Article 108.01 of the Standard Specifications.

A list of proposed sources of material.

Hot-mix asphalt and concrete mix designs, and respective quality control plans.*

Any applicable shop drawing submittals.*

*Shop drawings and mix designs for concrete and bituminous items to be installed on the project shall be submitted to the Village no less than ten (10) calendar days from the effective notice to proceed dated letter or the scheduled date of the pre-construction meeting, whichever occurs earlier. A monetary penalty of \$500 may be imposed for each required submittal thereafter.

11. Sub-Contracting

Add the following to the end of ARTICLE 108.01 SUBCONTRACTING.

"The apparent low Bidder on a "Request for Approval of a Subcontractor" (BC 260a) form shall submit to the office of Engineer within ten (10) calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors along with a description of the work to be performed by each. The Village will then review and reserves the right to reject the use of any subcontractor on the project due to past performance or the apparent inability to properly perform the item of work."

12. Authority of the Engineer

Revise ARTICLE 105.01 AUTHORITY OF ENGINEER to read:

"All work shall be done in accordance with the requirements of the Contract, the Engineer shall have the right, but not the obligation, to observe all work. The Engineer shall decide all questions that arise as to the interpretation of the Plans and Specifications and as to disputes and mutual rights between Contractors under the Specifications. The Engineer shall advise the Village of Buffalo Grove as to the quality and acceptability of materials furnished and work performed, rate of progress of the work, and acceptable fulfillment of the Contract. The Engineer will determine the amount of materials furnished and work performed. The Engineer's advice and determinations shall be conditions precedent to the right of the Contractor to receive money due the Contractor under the Contract."

"The Engineer will notify the Contractor in writing if the work is to be suspended by the Village of Buffalo Grove wholly or in part due to the failure of the Contractor to carry out provisions of the contract; for failure to carry out orders; for such periods due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest."

"In case of failure on the part of the Contractor to execute work as directed by the Engineer, the Village of Buffalo Grove may, at the expiration of a period of 48 hours after giving notice in writing to the Contractor, proceed to execute such work as may be deemed necessary, and the cost thereof shall be deducted from compensation due or which may become due to the Contractor under the contract."

The Engineer shall not assume any of the responsibilities of the Contractor's superintendent or of subcontractors; shall not expedite the work for the Contractor; and shall not advise on, or issue directions concerning aspects of construction means, methods, techniques, sequences or procedures, or safety precautions in connection with the work.

13. Status of Utilities

Effective: June 1, 2016
 Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

This list represents potential utility conflicts determined by the Design Engineer. A response has not been provided by the responsible agency to-date.

Stage/Location	Type	Description	Responsible Agency
		.	
		.	

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 25, 2020 by the Design Engineer.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T Distribution	Chris Cass	(630) 573-5715	Cc4361@att.com
Comcast	Nick Mihalka		Nicholas_Mihalka@cable.comcast.com
ComEd	Lisa Argast	(630) 437-3381	Lisa.argast@comed.com
Nicor Gas	Sakibul Forah	(630) 388-2903	sforah@southernco.com
Vinakom	Priyang Patel	(847) 882-8200	Priyang.patel@vinakom.com
Wow!	Paul Flinkow	(630) 536-3139	Paul.flinkow@wowinc.com

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration.

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 25, 2020 by the Design Engineer.

(See previous Contact Information Table above.)

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

14. Maintenance of Roadways and Erosion Control

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways and trenches within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the contract documents.

The Contractor shall be required to control dust or air-borne dirt resulting from construction operations by utilizing a mechanical street sweeper on all pavement within or adjacent to the project work zone throughout the duration of the project. The resulting debris shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications. Individual fire hydrant use shall not be permitted to control dust at specific locations. The Contractor shall provide dust control operations daily, throughout the project limits and adjacent streets. At the direction of the Engineer, a professional street sweeper may be requested on a weekly basis or as deemed necessary by the Village or Engineer.

The cost of this work shall be included in the unit prices bid and no additional compensation shall be allowed to control dust as specified herein.

No excavations shall be left open during non-work hours unless approved by the Engineer and adequately protected from the public.

The Contractor will be required over the course of construction to clean inlet filter baskets weekly or prior to a forecasted rain event. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. The Contractor shall be held liable for any damage to private structures if it is determined that the damage was due to the Contractor's neglect as specified herein. In the event water is not properly running through inlet filter baskets caused by debris, the Village crews may respond to resident calls about street flooding. Any Village expense occurred in labor or materials responding to these calls will be back charged to the Contractor and deducted from a future pay request.

The Contractor will be required to perform erosion control best management practices as listed on the plans, specifications, and details during construction. Discharge of sediment-laden water or construction debris into the storm sewer system or waterways will not be permitted and subjected to a monetary penalty as noted in the monetary penalties general condition. In addition, the Contractor will be responsible for cleaning all storm sewer systems and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event of an illicit discharge, regardless of blame, the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

The work zone shall be maintained in accordance with Section 701 of the Standard Specifications. Negligence by the Contractor to follow these minimum guidelines that result in or cause damage to Village equipment during snow fall removal or any other similar Village operation will be the direct responsibility of the Contractor to repair. The repair will be completed by the Village and the cost of the repair will be deducted from the next pay request due to the Contractor.

It shall be the Contractor's responsibility to properly store and protect materials and equipment from damage resulting from snow removal and salt application operations. If it is determined by the Village or Engineer that new materials that were supposed to be permanently incorporated in the work were damaged or deemed unacceptable due to the Contractor's negligence to adhere to the above, the unacceptable material shall be removed immediately from the site of the work according to Section 106 of the Standard Specifications and no additional compensation shall be allowed to replace the new materials in-kind.

Within 24 hours following snow removal operations within the project limits, the Contractor shall be required to clean the project site and adjacent roadways of any loose materials that were inadvertently displaced. This includes, but is not limited to, the pavement area, curb line, driveway pavement, sidewalk, and parkways. If the Contractor does not comply with this requirement, a monetary penalty of \$1,000 per calendar day will be imposed for failure to provide the maintenance of roadway in a timely manner.

All operations by the Contractor such as flushing, dewatering, leaking water trucks or equipment, repairs to broken water services or water main, or similar that cause freezing of water on the pavement or sidewalk shall be maintained by salting, sanding or removal of the condition by the Contractor to the satisfaction of the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

15. Construction Staging and Maintenance of Base Course

All pavement removal, curb installation, and hot-mix asphalt binder installation shall be completed in accordance with Section(s) 202, 406, 423, 440, and 606 of the Standard Specifications and as specified herein.

Pavement removal and hot-mix asphalt binder course placement shall be staged in a manner to minimize the exposure of vehicular traffic over the existing base course following pavement removal.

No pavement removal operations shall commence if rain is in the forecast within the following five working days. If the Contractor does not follow this requirement, any disking, drying or undercut operations required by the Engineer to provide a sufficient subbase prior to paving shall be completed by the Contractor at no additional cost to the Village.

Roadways excavated to subgrade and/or subbase material shall have the hot-mix asphalt binder course installed within seven (7) calendar days from the first day of pavement removal on that respective street segment.

There shall be no placement of hot-mix asphalt permitted on scheduled days of refuse pickup. The Contractor shall be responsible for determining the current refuse schedule and incorporating it into their progress schedule accordingly.

No resident shall be without driveway access and no sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the plans or herein.

Prior to driveway access impediment due to proposed curb and gutter or driveway pavement operations, the Contractor shall be required to deliver resident notification letters approved by the Engineer to each respective residence or business owner notifying them of the day and time they will not be able to get in and out of their driveway. After the new concrete curb has set, the Contractor shall install all required forms for installation of the driveway pavement for inspection by the Engineer. The Contractor is required to install curb and driveway pavement within two (2) calendar days of each other. Example: If the curb is poured on Monday the driveways will be required to be poured on the same day after the curb is set or on Tuesday. If the curb in front of the resident is not being replaced the Contractor shall frame and pour the driveway on the same day. The driveways shall be properly barricaded until the concrete is sufficiently cured. If, at the discretion of the Engineer, the driveway requires that the old aggregate base course be removed and replaced, it shall be completed prior to pouring the new concrete combination curb & gutter or not until after it has been allowed to cure for a minimum of three (3) calendar days, or after the concrete has reached 2,500 psi as verified by cylinder breaks. Any additional cylinders cast and testing costs associated with this verification shall be included in the cost of the contract. Proposed portland cement concrete sidewalk shall follow the same timeframe as noted above.

If the Contractor does not install proposed concrete curb, driveway pavement, and/or sidewalk in the time frame specified herein, a monetary penalty of \$250 per calendar day will be imposed for each day, and each occurrence the work is not completed.

The Contractor will be required to furnish and install a temporary ramp immediately following pavement removal operations. Each ramp shall be installed the full driveway width of material determined by the Contractor. Each temporary ramp shall be removed prior to paving operations, the respreading of stone on the base or paving over hot-mix asphalt ramps will not be allowed. If the Contractor fails to install or maintain a temporary ramp in a timely manner, a monetary penalty of \$250 per calendar day will be imposed.

The Contractor shall make themselves aware of the surroundings and of private property. The Village will not tolerate entering private property or driving equipment/vehicles on a driveway within the public right of way to remain for any reason during construction unless prior

approval has been granted by the property owner. The Contractor will incur a monetary penalty of \$500 per occurrence as determined by the Engineer for violation of this requirement.

16. Period of Establishment

This work shall include all labor, material, and equipment necessary to furnish and install pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A in accordance with Sections 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent roadway, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place the IDOT class of seed specified, and be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications. Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Village or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Village or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Upon project completion and expiration of the second period of establishment noted above, any additional failure by the Contractor to achieve a healthy growth of vegetation as defined will be considered failure to complete the project on time and liquidated damages will be applied accordingly.

Planting times shall be April 1 to June 15 and August 1 to November 1.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

17. Protection of Mailboxes

The Contractor shall take all necessary precautions when working near mailboxes within or adjacent to the project limits. If at the Contractor's discretion, a mailbox will interfere with construction operations, a temporary mailbox shall be located per the United States Postal Service requirements and the permanent mailbox reinstalled following said operation. At no time shall a resident be without a mailbox or not receive mail due to a mailbox being removed, replaced or damaged. The Contractor shall replace, at no additional cost to the Village, any mailbox or post which has been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship. The cost of all materials required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit prices bid and no additional compensation will be allowed.

The Contractor shall refer to the mailbox installation detail included in appendix A for installation requirements.

The Contractor must maintain access for both residents and mail carriers to all mailboxes throughout the duration of the project.

18. Saw Cutting

The Contractor shall be required to perform a perpendicularly straight joint by full-depth machine sawing of all proposed items to be removed prior to removal operations to prevent damage or spalling to existing hardscape to remain. Simple or partial depth scoring shall not be permitted. Saw cut locations may or may not be shown on the plans, however, shall be required in the field. All sawcut slurry, regardless of the amount, shall be promptly removed to prevent tracking. Any slurry tracked or left on surfaces to remain shall be thoroughly cleaned or replaced, at the direction of the Village or Engineer, by the Contractor at no additional cost to the Village.

The Contractor shall replace, at no additional cost to the Village, any hardscape, outside of the limit of improvements, damaged by the Contractor's operations due to neglect, misconduct, or poor workmanship.

19. Use of Fire Hydrants

The indiscriminate use of fire hydrants is strictly prohibited. The Contractor can obtain non-potable water in bulk at no charge at the Buffalo Grove Public Works Department, 51 Raupp Blvd. The Contractor shall provide a water truck or containment and driver to obtain and transport the water. All water obtained from the Village shall be used for this project only. If deemed necessary, the Village reserves the right to restrict or refuse the use of Village water. The Contractor will be responsible for executing the required paperwork and follow all requirements of the Village. If it is determined that the Contractor or its subcontractors operate or use a Village fire hydrant, a monetary penalty of \$1,000 per occurrence that will be imposed.

20. Existing Hardscape

Any damage to existing hardscape from tracked equipment or due to the Contractor's negligence, workmanship, or neglect shall be replaced at the Contractor's expense. It is recommended rubber tired or rubber tracked equipment is used. Any unwarranted disturbance to the existing hardscape to remain will warrant repairs made joint to joint and in conformance with the bid documents with limits specified in the Maintenance Letter of Credit general condition. The Engineer and Village shall determine the limit of removal and replacement operations, and all work shall be completed to the satisfaction of the Engineer.

21. Tree Protection and Preservation

This work shall consist of pruning existing trees, shrubs, or bushes in accordance with Section 201 of the Standard Specifications, except as modified herein.

Breaking off branches of plant material to remain during clearing or construction operations will not be allowed. Preceding any existing tree pruning or trimming operations, the Contractor shall demonstrate that there is no other practical method to complete the work and request permission from the Engineer. All pruning shall be done according to the current ANSI A300 (Part 1) – Pruning Standard.

All branches and foliage pruned or trimmed shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

All existing trees larger than 6" in diameter and not specifically designated for removal, which are removed or damaged due to the Contractor's neglect, shall be inspected by the Village Forester or his designated representative. For each infraction that causes damage to a tree, a monetary penalty of \$1,000 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused to each tree. No replacement tree shall have a diameter of less than 3" or more than 6", unless authorized by the Village of Buffalo Grove. All new plantings shall be completed in accordance with Section 253 of the Standard Specifications.

22. Use of the Work Site

The Contractor shall use the Work Site solely to complete the Work and such related activities as may be authorized or directed by the Village. Except as provided herein, Contractor shall not (nor shall Contractor cause or permit any employee or person under Contractor's control) to display or broadcast commercial, political, or religious messages or advertisements of any nature at the Work Site or in connection with the Work. The foregoing shall not be construed to prohibit the following at the Work Site or in connection with the Work: (a) the use of equipment, materials, or other items (e.g. personnel uniforms and clothing) that identify the Contractor (such as by displaying the Contractor's name, logo, slogan, contact information, or similar messages) or that identify the maker or supplier of such equipment, material, or item; or (b) the use or display of signs, flags, cones, traffic control devices, markers, or other similar devices that reasonably

relate to the Work, Work Site safety, public safety, or regulatory compliance; or (c) personal speech, religious practice, or expression by any individual performing Work or at the Work Site; or (d) upon written approval or direction of the Village, the display of information regarding the sponsor of the Work or funding sources for the Work.

In addition, Contractor shall not (nor shall Contractor require or permit its personnel, subcontractors, or subcontractors' personnel to) conduct any prohibited political activity at the Work Site or while performing the Work. Contractor and its personnel or subcontractors (including any subcontractor's personnel) shall not intentionally or knowingly use the Work Site or any other property or resources of the Village in connection with any prohibited political activity. For purposes of this section, the term "prohibited political activity" shall have the meaning set forth in Section 5 of the State Officials and Employees Ethics Act, 5 ILCS 430/1-5.

23. Indemnification

To the fullest extent permitted by law, the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village against any and all claims, demands, suits or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village, by reason of personal injury, including bodily injury and death, and/or property damage, whether damage to property of the Village or of a third party, including loss of use thereof, which arises out of or is in any way connected or associated with the Contract and the Work.

For this project, the Village also hired a Consultant, Gewalt Hamilton Associates. The Contractor shall indemnify the Consultant in the same manner as the Village, as stated above.

24. Insurance Requirements

12.04.080 - Insurance.

A. Required Coverages and Limits. Unless otherwise provided by franchise, license, or similar agreement, each Contractor occupying right-of-way or constructing any facility in the right-of-way shall secure and maintain the following liability insurance policies insuring the Contractor as named insured and naming the Village, and its elected and appointed officers, officials, agents, and employees and Gewalt Hamilton Associates, Inc. and employees as additional insureds on the policies listed in subsection (A)(1) and (A)(2) of this section:

1. Commercial general liability insurance, including premises-operations, explosion, collapse, and underground hazard (commonly referred to as "X," "C," and "U" coverages) and products-completed operations coverage with limits not less than:
 - a. Five million dollars for bodily injury or death to each person,
 - b. Five million dollars for property damage resulting from any one accident, and
 - c. Five million dollars for all other types of liability;
2. Automobile liability for owned, non-owned and hired vehicles with a combined single limit of one million dollars for personal injury and property damage for each accident;
3. Worker's compensation with statutory limits; and
4. Employer's liability insurance with limits of not less than one million dollars per employee and per accident.

If the Contractor is not providing such insurance to protect the contractors and subcontractors performing the work, then such contractors and subcontractors shall comply with this section.

B. Excess or Umbrella Policies. The coverages required by this section may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

C. **Copies Required. The Contractor shall provide copies of any of the policies including all endorsements or certificates required by this section to the Village within ten calendar days following receipt of a written request therefor from the Village.**

D. Maintenance and Renewal of Required Coverages. The insurance policies required by this section shall contain the following endorsement:

"It is hereby understood and agreed that this policy may not be canceled nor the intention not to renew be stated until thirty (30) calendar days after receipt by the Village, by registered mail or certified mail, return receipt requested, of a written notice addressed to the Village Manager of such intent to cancel or not to renew."

Within ten (10) calendar days after receipt by the Village of said notice, and in no event later than ten (10) calendar days prior to said cancellation, the Contractor shall obtain and furnish to the Village evidence of replacement insurance policies meeting the requirements of this section.

- E. Self-Insurance. A Contractor may self-insure all or a portion of the insurance coverage and limit requirements required by subsection A of this section. A Contractor that self-insures is not required, to the extent of such self-insurance, to comply with the requirement for the naming of additional insureds under subsection A of this section, or the requirements of subsections B through D of this section. A Contractor that elects to self-insure shall provide to the Village evidence sufficient to demonstrate its financial ability to self-insure the insurance coverage and limit requirements required under subsection A of this section, such as evidence that the Contractor is a "private self-insurer" under the Workers Compensation Act.
- F. Effect of Insurance and Self-Insurance on Contractor's Liability. The legal liability of the Contractor to the Village and any person for any of the matters that are the subject of the insurance policies or self-insurance required by this section shall not be limited by such insurance policies or self-insurance or by the recovery of any amounts thereunder.
- G. Insurance Companies. All insurance provided pursuant to this section shall be effected under valid and enforceable policies, issued by insurers legally able to conduct business with the licensee in the State of Illinois. All insurance carriers and surplus line carriers shall be rated "A-" or better and of a class size "X" or higher by A.M. Best Company.
- H. Verification of Coverage. **Contractor shall furnish the Village with certificates of insurance naming the Village, its officials, agents, employees, and volunteers as additional insured's and with original endorsements, affecting coverage required herein.** The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the Village before any work commences. The Village reserves the right to request full certified copies of the insurance policies and endorsements.
- I. Subcontractors. Contractor shall include all subcontractors as insured's under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all of the requirements stated herein.
- J. Assumption of Liability. The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to the Contract.
- K. Workers' Compensation and Employers' Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Village of Buffalo Grove, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.
- L. Failure to Comply. In the event the Contractor fails to obtain or maintain any insurance coverage's required under this contract, The Village may purchase such insurance coverage's and charge the expense thereof to the Contractor.

Nothing contained herein is intended to constitute, nor shall it constitute a waiver of the rights, defenses and/or other immunities provided or available to the Village under law including, but not limited to, the Local Governmental and Governmental Employees Tort Immunity Act.

25. Accidents

In the event of any accident of any kind that involves the general public or property of the Village or a third party, the Contractor shall immediately notify the Village by phone as well as provide Notice of the same. The Notice shall include a full accounting of all details of the accident. The Contractor shall furnish the Village with copies of all reports of such accidents at the same time that the reports are forwarded to any other interested parties.

26. No Assignment

If the Contractor sublets or assigns any part of the Work then the Contractor shall not under any circumstances be relieved of its liabilities hereunder. All transactions of the Village shall be with the Contractor. Subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. The Contractor shall not assign,

transfer, convey, sell or otherwise dispose of the whole or any part of this Contract to any person, firm or corporation without written consent of the Village or authorized representative.

27. Default

The following shall constitute a default an “**Event of Default**” by the Contractor under this Contract:

- A. If the Contractor shall fail to strictly observe or perform one or more of the terms, conditions, covenants and agreements of this Contract;
- B. If there shall be placed on any property owned by the Village any mechanics', materialmens' or suppliers' lien;
- C. If there shall be instituted any proceeding against the Contractor seeking liquidation, dissolution or similar relief and the same shall not be dismissed within forty-five (45) calendar days;
- D. If there shall be appointed any trustee, receiver or liquidator of the Contractor and such appointment shall not have been vacated within forty-five (45) calendar days; and
- E. If the Contractor fails to maintain or obtain any and all permits, licenses and the like, if any, required by the Village, State or Federal governments for the Work.

Upon any Event of Default the Village shall have the option of (i) terminating the Contract; (ii) pursuing any remedy available to it at law or in equity; or (iii) pursuing both simultaneously. In addition, upon an Event of Default, the Village may withhold payments due to the Contractor until it has hired a replacement of the Contractor and deducted all costs of hiring a replacement.

28. Delays

The Contractor shall not be liable in damages for delays in performance when such delay is the result of fire, flood, strike, acts of God, or by any other circumstances which are beyond the control of the Contractor; provided, however, under such circumstances the Village may, at its option, cancel the Contract.

29. Compliance With Laws

The Contractor shall comply with all applicable laws, regulations and rules promulgated by any federal, state, local, or other governmental authority or regulatory body pertaining to all aspects of the Work, now in effect, or which may become in effect during the performance of the Work. The scope of the laws, regulations, and rules referred to in this paragraph includes, but is in no way limited to, the Illinois Human Rights Act, Illinois Equal Pay Act of 2003, Occupational Safety & Health Act along with the standards and regulations promulgated pursuant thereto (including but not limited to those safety requirements involving work on elevated platforms), all forms of traffic regulations, public utility, Interstate and Intrastate Commerce Commission regulations, Workers' Compensation Laws, Public Construction Bond Act, Public Works Preference Act, Employment of Illinois Workers on Public Works Act, USA Security Act, federal Social Security Act (and any of its titles), and any other law, rule or regulation of the Illinois Department of Labor, Department of Transportation, Illinois Environmental Protection Act, Illinois Department of Natural Resources, Illinois Department of Human Rights, Human Rights Commission, EEOC, and the Village of Buffalo Grove. Notwithstanding the following, the Contractor shall particularly note that:

A. NO DISCRIMINATION – The Contractor shall comply with the provisions of the Illinois Public Works Employment Discrimination Act and the Illinois Human Rights Act/Equal Opportunity Clause which, pursuant to Illinois law, are deemed to be part of this Contract.

B. FREEDOM OF INFORMATION - The Contractor agrees to furnish all documentation related to the Contract, the Work and any documentation related to the Village required under an Illinois Freedom of Information Act (ILCS 140/1 et. seq.) (“**FOIA**”) request within five (5) calendar days after the Village issues Notice of such request to the Contractor. The Contractor agrees to defend, indemnify and hold harmless the Village, and agrees to pay all reasonable costs connected therewith (including, but not limited to attorney's and witness fees, filing fees and any other expenses) for the Village to defend any and all causes, actions, causes of action, disputes, prosecutions, or conflicts arising from Contractor's actual or alleged violation of FOIA or the Contractor's failure to furnish all documentation related to a FOIA request within five (5) calendar days after Notice from the Village for the same. Furthermore, should the

Contractor request that the Village utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as attorneys' and witness fees, filing fees and any other expenses) to defend the denial of the request. This defense shall include, but not be limited to, any challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction.

C. ILLINOIS WORKERS ON PUBLIC WORKS ACT - To the extent applicable, the Contractor shall comply with the Illinois Workers on Public Works Act, 30 ILCS 570/1 et seq., and shall provide to the Village any supporting documentation necessary to show such compliance.

D. NOT A BLOCKED PERSON - The Contractor affirms and covenants that neither the Contractor nor any individual employed by the Contractor for this Work or under this Contract is a person forbidden from doing business with a unit of local government under Executive Order No. 13224 (Sept 23, 2001), 66 Fed.Reg. 49,079 (Sept 23, 2001) or is a person registered on the Specially Designated Nationals and Blocked Persons List. The Contractor shall indemnify the Village from all costs associated with failure to comply with this paragraph.

E. SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS ACT - The Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act (820 ILCS 265/1 et seq.), and shall comply and require all subcontractors and lower tiered contractors to comply with the requirements and provisions thereof.

30. No Waiver of Rights

A waiver by the Village of any Event of Default or any term of provision of this Contract shall not be a waiver of the same Event of Default, another Event of Default or any other term or provision of this Contract.

31. Termination of the Contract

Voluntary Termination. Notwithstanding any other provision hereof, the Village may terminate this Contract during the Initial Term with or without cause, at any time upon thirty (30) calendar days prior written notice to the Contractor.

Termination for Breach. Either party may terminate this Contract upon written notice to the other party following material breach of a material provision of this Contract by the other party if the breaching party does not cure such breach within fifteen (15) calendar days of receipt of written notice of such breach from the non-breaching party.

32. Controlling Law and Venue

This Contract is entered into in the State of Illinois, for work to be performed in the State of Illinois and shall be governed by and construed in accordance with the laws of the State of Illinois. Any legal matters or dispute shall be resolved in the Circuit Court of Cook County and the Parties hereby submit to the jurisdiction of such Circuit Court. This Contract shall be construed without regard to any presumption or other rule requiring construction against the Party causing the Contract to be drafted.

33. Miscellaneous

- A. AMENDMENT** – This Contract may be amended only in writing executed by both Parties.
- B. NO RECORDING** – This Contract, or a memorandum thereof, may not be recorded in any form by either Party. If either Party records this Contract, or a memorandum thereof, they shall immediately file a release of the same.
- C. SECTION HEADINGS** – The headings in the Contract are intended for convenience only and shall not be taken into consideration in any construction or interpretation of the Contract.
- D. NO THIRD PARTY BENEFICIARIES** – This Contract does not confer any rights or benefits on any third party.
- E. BINDING EFFECT** – This Contract shall be binding and inure to the benefit of the Parties hereto, their respective legal representatives, heirs and successors-in-interest.
- F. ENTIRE AGREEMENT** – This Contract supersedes all prior agreements and understandings and constitutes the entire understanding between the Parties relating to the subject matter hereof.

- G. SEVERABILITY** - If any term, condition or provision of the Contract is adjudicated invalid or unenforceable, the remainder of the Contract shall not be affected and shall remain in full force and effect, to the fullest extent permitted by law.
- H. TORT IMMUNITY DEFENSES** - Nothing contained in this Contract is intended to constitute nor shall constitute a waiver of the rights, defenses, and immunities provided or available to the Village under the Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10 *et seq.*

34. Application For Payment

At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the Contract, and the value thereof at the contract unit prices according to Article 109.02 of the Standard Specifications. For each pay period, the quantity cut off will be the first Saturday of each month. During the second week, the Engineer and Contractor will agree to the quantities completed to-date. The Contractor shall submit an agreed upon invoice electronically to the Engineer by the end of the working day of the third Monday of the month. The Village will begin their payment process and will result in the review of the payment at the next regularly scheduled Village Board meeting. Prior to the release of payment, the Contractor shall submit electronically, all certified payroll reports, applicable waivers, and a notarized and signed clarifying statement for Village Attorney review and subsequent approval. Prior to the release of the check, hard-copies of all applicable waivers and the clarifying statement shall be received by the Village.

All payments under this Contract must be approved by the Village Board at a regularly scheduled meeting. The Village reserves the right to request any receipts, invoices, proof of payments as the Village, in its sole discretion, may deem necessary to justify the payment requested prior to paying the requested payment. A Final Lien Waiver from the Contractor, its subcontractors, and all material suppliers shall be furnished with the final application for payment.

The Contractor acknowledges that the Village is a unit of local government and that all payments under the Contract are subject to the Local Government Prompt Payment Act, 50 ILCS 505 *et seq.* To that extent, the Village shall have forty-five calendar (45) days from receipt of a bill or invoice to pay the same before it is considered late under the Contract. Interest, if any, charged for any late payments will be subject to the interest rate caps specified in the Prompt Payment Act.

35. Certified Payroll Reports

Pursuant to PA 100-1177 the Illinois Department of Labor (IDOL) has activated an electronic database (Payroll Portal) capable of accepting and retaining certified payrolls submitted under the State of Illinois Prevailing Wage Act (820 ILCS/130/1). All contractors and subcontractors completing work for the Village of Buffalo Grove pursuant to the Act must submit all certified payroll through the IDOL Payroll Portal.

The Village is an Illinois unit of local government and the Work hereunder is subject to the Illinois Prevailing Wage Act, 820 ILCS 130/0.01, *et seq.* Consequently, the Contractor and each subcontractor shall submit with their application for payment(s) the email certification received from their IDOL Payroll Portal submittal with each of their pay requests. Any delay in processing the payments due to a lack of aforementioned email certification shall not be an event of default by the Village and shall not excuse any delay by the Contractor who shall proceed with the Work as if no delay in payment has occurred. The Contractor and Village shall agree to take any further steps not outlined above to ensure compliance with the Prevailing Wage Act. Upon two business days' Notice, the Contractor and each subcontractor shall make available to the Village their records to confirm compliance with the Prevailing Wage Act. Finally, to ensure compliance with Prevailing Wage Act, the Contractor and each subcontractor shall keep for a period of not less than 5 years after the Work has been completed records of all laborers, mechanics, and other workers employed by them for the Work; the records shall include each worker's name, address, telephone number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, the starting and ending times of work each day and, when available, last four digits of the social security number. The Contractor shall provide a list of every name, address, phone number and email of every sub-contractor for the Work.

If the contractor must submit the payroll to the Village of Buffalo Grove for reasons outside of their control, the Village requests that the Contractor submit all certified payroll reports, including subcontractors, and EEO reporting be sent electronically in separate files for each respective Contractor/subcontractor with the weeks ending date in the file name to kjohnson@vbg.org (i.e. Contractor Name Week Ending.pdf) as shown in the sample letter in Exhibit D.

The Contractor is responsible for providing all records in accordance with the Illinois Department of Labor's (IDOL) requirements pertaining to the Prevailing Wage Act on the standard IDOL form. Only the last four (4) digits of the employee's social security number will be required; the remaining digits shall be "X" or redacted. To complete the certified payroll request for release of payment, the Contractor

must supply a signed and notarized written statement that all necessary documentation has been turned over for the pay period pertaining to that payment requested.

Under P.A. 98-0328, the public body must retain copies of the certified payroll for 5 years rather than 3 years as was the case previously. The Illinois Department of Labor (IDOL) has created model certified payroll forms which can be found at the IDOL website www.illinois.gov/idol. The new form consists of three pages identified as the "certified transcript of payroll affidavit" and "certified transcript of payroll instructions". The new forms on the IDOL website can be filled in online and then printed out. Under P.A. 98-0482, contractors and subcontractors will have to provide additional information with respect to working hours, wage rates, overtime rates and fringe benefits. The IDOL's model certified payroll forms are the most current forms for compliance with P.A. 98-0482 and should be used in public works contracts.

36. Monetary Penalties

All work shall be completed in accordance with the Contract Documents in a reasonable and timely manner. For each occurrence that work is not completed in a reasonable and timely manner, a monetary penalty will be deducted from the final pay application. The Contractor shall make themselves and all subcontractors aware of the following deficiency and deductions:

Description	Penalty	Per Occurrence
Failure to Sweep Roadway	\$250	Calendar Day
Failure to Maintain Trench	\$250	Calendar Day
Failure to Adhere to Period of Establishment Requirements	\$250	Calendar Day
Distributing Unapproved Resident Notices	\$100	Household
Failure to Distribute Notices in a Timely Manner	\$100	Household
Failure to Distribute Notice to Resident	\$100	Household
Failure to Provide Access in a Timely Manner	\$250	Household/Occurrence Per Day
Failure to Provide Weekly Update to Engineer/Maintain Schedule	\$1,000	Per Occurrence
Failure to Attend a Scheduled Weekly Meeting	\$1,000	Per Occurrence
Failure to Respond in a Timely Manner to a Resident	\$250	Calendar Day
Failure to Ramp Roadway or Driveway	\$250	Household/Roadway Per Day
Use of Fire Hydrant or Valve	\$1,000	Each
Failure to Provide Maintenance of Roadway in a Timely Manner as Determined by the Engineer	\$1,000	Calendar Day
Entering Private Property	\$500	Per Occurrence
Failure to Provide Portable Facilities	\$100	Calendar Day
Illicit Discharge of Silt or Construction Debris	\$1,000	Per Occurrence
Failure to Submit Shop Drawings on Time	\$500	Per Occurrence
Failure to Maintain Erosion and/or Sediment Control Devices	\$1,000	Per Occurrence
Working Outside Allowable Work Hours	\$1,000	Per Occurrence

At the discretion of the Engineer and without notice, the Contractor shall have deducted the monetary penalty amount as listed above for each occurrence on the final pay application.

37. Weekly Progress Meeting and Schedule Updates

The Contractor will be required to provide weekly schedule updates with the anticipated schedule for the following week by 3:00PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will be required to submit an initial weekly schedule update with the anticipated schedule the Thursday prior to construction commencement; if the Contractor fails to submit this initial notice, no work shall be permitted to begin. The weekly progress update shall be emailed to the Resident Engineer and Village project representative. The Contractor shall make every effort to maintain the schedule within one (1) calendar day of delay, excluding weather or unforeseen circumstances. Failure to maintain the schedule may result in a monetary penalty of \$1,000 per calendar day if it is determined that substantial effort to maintain the schedule is not made.

If, at the discretion of the Village or Engineer, a mandatory weekly progress meeting may be scheduled to coordinate anticipated work. This meeting will be held on Thursday following receipt of the weekly progress update. If the Contractor fails to attend a mandatory weekly meeting requested by the Village or Engineer a monetary penalty of \$1,000 per occurrence will be imposed.

38. Public Notification

The Contractor shall be required to provide and distribute letters to residents or business owners anytime access will be affected to a home or utility service is interrupted. Letters shall be typed on standard 8.5" x 11" paper and an envelope may or may not be used. All letters, including those written and distributed by a subcontractor, shall be printed on the General Contractor's letterhead and include the name, address, and telephone number of the General Contractor's person in charge.

Letters shall be taped to a non-painted surface using painters tape or approved equal, and will be placed in as many locations as needed to ensure they will be visible to residents. Distributing letters via mailbox is discouraged, however, must be compliant with all United States Postal Service federal regulations. Notification letters shall include, but is not limited to, the following information:

- Exact day and time work is to begin that will affect access (weather permitting).
- How the resident will know they may resume normal access to their property.
- The anticipated length of the closure (no more than one week will be permitted).
- Specific location where parking is permitted, both overnight and during the working day (as signed and normally permitted during daytime).
- The Village of Buffalo Grove Police Department has been notified that overnight parking will be permitted. (It shall be the responsibility of the Contractor to confirm this with the Village.)
- The Contractor will go door-to-door the moment prior to work is to begin to ensure all accommodations are made.
- General Contractor's person in charge name and contact information for additional information or specific requests.
- If applicable, provide Resident flushing procedures (following reconnection of the water service, resident to flush inside of the house via the bath or utility sink for ten minutes prior to consumption).

Notification letters shall be distributed a minimum of 24 hours prior to access being affected or otherwise. If this requirement is not met, work shall not commence. **All letters must be approved by the Village or Engineer prior to and for each individual distribution occurrence.** Additional letters may be required when weather or other unforeseen circumstances change the schedule. When requested, the Contractor is required to return or provide correspondence from a resident within 24 hours.

Under special circumstances, the Village may choose to write a notification letter and the Contractor shall still be responsible for delivering the letter as specified herein. An example of a resident notification letter can be found in Appendix A.

The Contractor must comply with all of the above-mentioned statements otherwise a monetary penalty of \$100 per household, per calendar day shall be imposed.

39. Maintenance Letter of Credit

The Contractor will be required to post a Letter of Credit for a period of One Year (1-yr) from date of final acceptance by the Village. Final acceptance will be the date the Final Payment is made to the Contractor. The Letter of Credit shall be in a form acceptable to the Village in the amount of 10% (ten percent) of the awarded contract value. Unless under emergency situations the Village will offer the Contractor the ability to fix or repair any item prior to drawing from the Letter of Credit. If the Contractor elects to perform the repairs themselves all work must be complete within 14 calendar days of notice from the Village or the Village reserves the right to perform the repairs themselves.

The Letter of Credit shall cover all necessary repairs or replacements as deemed necessary by the Village due to poor workmanship, failed materials, any settlement, excessively spalled, chert popped or cracked concrete, storm, sanitary and water main failures, restoration establishment, and other items as completed by the Contractor under the Contract.

All required pavement repairs shall be from curb line to the nearest cold joint. Pavement repairs shall have all joints routed and filled with crack seal material including along the edge of pavement 30 calendar days after installation.

If the Contractor elects to not perform the repairs or does not perform them in the time allotted the Village will perform the work and collect from the Letter of Credit any damages incurred by the Village to perform the repairs.

40. Water and Sewer Services

The Village of Buffalo Grove will not locate private water and sewer service lines as part of the JULIE notification system. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware of the exact location of each utility; marked or not marked. The Contractor may elect to locate any and all utilities marked or unmarked, at their expense. Repeated damage to service lines will need to be repaired from the main to the right-of-way as directed by the Engineer. The Contractor shall be responsible for repairs to all damaged utilities incurred as determined by the Village or Engineer.

All repairs to damaged water and sewer service lines shall be completed with material equal to, including size, of the existing service. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services. All fittings for copper water service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The Contractor shall have a crimping tool and e-z out or freeze kit on-site to make repairs as required. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project, if applicable.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work shall not be paid for separately and no additional cost incurred will be the responsibility of the Village.

41. Earth Excavation

All earth excavation required to complete this project to the proposed lines, grades, and cross sections shall be in accordance with Section 202 of the Standard Specifications. Earth excavation will not be paid for separately but shall be included in the cost of the item requiring the excavation. All surplus excavated material shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

42. Retainage and Waivers

The Village of Buffalo Grove has the option to retain from the amount due to the Contractor a maximum of ten percent (10%) from each pay request. The Contractor may request the retainage be reduced and provide reasoning for such reduction in writing to the Village. The Village has the option to accept or deny the request and shall be considered final. The retainage may be held until the Village determines the project to be final and accepted, at which time any warranty or maintenance period shall commence.

The Contractor shall submit, for each pay request submittal, original partial or final waivers from all subcontractors and material suppliers for the work payment is requested from the Village; trailing waivers will not be permitted. The Village will not remit payment to the Contractor until all original hard-copies of waivers for the work the Contractor is requesting payment for are received and reviewed. To help expedite the process, the Village is willing to review draft waivers after the invoice has been submitted for the pay request. When the draft waivers are reviewed and found acceptable, and the check is cut according to the Village's Warrant schedule, then the check and final waivers can be exchanged accordingly.

43. Final Site Inspection

After the Contractor has submitted the notice of final completion to the Village, the Contractor shall schedule a final site inspection with the Village and Engineer. The Contractor shall provide a laborer or Contractor's representative for the final inspection that will be responsible for the following:

1. Open and inspect all existing and newly installed storm structures, sanitary structures, and valve vaults.
2. Key all hydrant auxiliary boxes and operate the valve.
3. Key all b-box's and operate the valve.
4. Key all valves and operate the valve.
5. Review general site cleanliness and condition of landscaping, curb, sidewalk, pavement, etc.

Upon completion of the final site inspection, the Engineer will provide the Contractor a list of any deficiencies documented. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

44. Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications. No work shall be performed until all applicable permit requirements are fulfilled.

The following permits shall be applicable to this Contract:

- Illinois Environmental Protection Agency – Division of Water Pollution Control (SWPPP)
- Illinois Environmental Protection Agency – Division of Public Water Supplies
- Cook County Department of Transportation and Highways

45. Red Line As-Builts

This work shall consist of supplying red line as-builts of the installed utility improvements including but not limited to rim, inverts, top of pipe elevations, service locations, vertical offsets, underdrain installations, and other underground utilities.

The as-builts shall have red marks and installed elevations wherever on the engineering drawings a proposed grade, structure, invert or any other proposed item is shown. All elevations shall be recorded on the NAVD 88 datum, consistent with the plans. The as-builts shall be submitted to the Village in red marked PDF file on the issued for construction drawings.

As-builts with insufficient recorded information will be rejected. As-builts must be turned in with the Contractors notice of completion. Failure to submit as-builts with the notice of completion will begin to trigger liquidated damages after the project completion date or when working days have been exhausted. This work shall not be paid for separately but shall be considered included in the cost of the Contract.

Special Provisions

1. Trench Backfill, Coarse Aggregate, CA-11 (Special)

This item shall include all labor, material, and equipment necessary to furnish and place coarse aggregate trench backfill material in accordance with Section 208, 550, and 1004 of the Standard Specifications and as specified herein.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

The material for the final course of aggregate (14" from the finish pavement elevation) shall be Aggregate Base Course, Type B. This final course of material will be measured and paid for as AGGREGATE BASE COURSE, TYPE B (SPECIAL) as described herein and may be repurposed for all other work requiring this type of material except it will be paid for only once. No additional payment will be considered for relocating or removing this material after initial placement.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

2. Trench Backfill, Fine Aggregate, FA-6 (Special)

This item shall include all labor, material, and equipment necessary to furnish and place fine aggregate trench backfill material within the Cook County right-of-way in accordance with Section 208, 550, and 1003 of the Standard Specifications and as specified herein.

The material used for this item shall be exclusively IDOT certified fine aggregate material meeting the gradation of FA-6 and installed in accordance with Method 1 of Article 550.07 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, FINE AGGREGATE, FA-6 (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

3. General Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain pulverized topsoil, seed, fertilizer nutrients, and Mulch Method 3A in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent hardscape, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place IDOT Class 1A salt tolerant lawn mixture, produced and tested in the current year, be of good quality, and free of weeds. Nitrogen and potassium fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications (phosphorus is not permitted). Within 24 hours of seed placement, mulch shall be placed my method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Owner or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape

restoration during the period of establishment. If the placed landscape restoration has not been approved by the Owner or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Planting times shall be April 1 to June 15 and August 1 to November 1 in accordance with Article 250.07 of the Standard Specifications.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

4. Temporary Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove temporary landscape restoration in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times as defined by Article 250.07 of the Standard Specifications will be considered temporary and will be paid for separately.

At the direction of the Engineer, the Contractor will be required to mow the temporary grass as part of the temporary landscape work and it is anticipated that the Contractor will be required to mow every two (2) weeks. The Contractor will have 48-hours following written notice by the Engineer to complete mowing operations as requested. Failure to mow when requested will result in a monetary penalty of \$1,000 per day until the mowing has been completed.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for TEMPORARY EROSION CONTROL SEEDING (SPECIAL), TEMPORARY MULCH METHOD 3A (SPECIAL), and per each (EA) for MOWING, which shall include all labor, material, and equipment required to complete the work as specified herein.

5. Aggregate Base Course, Type B Varies (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed roadway base course, aggregate base repair, front fill for new concrete curb and gutter, temporary aggregate, capping stone in trenches and subbase granular material for sidewalk and driveway pavement, at the depths specified on the Engineering plans.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-6 in accordance with Section 1004 of the Standard Specifications. Mixing of aggregate from multiple sources is strictly prohibited. If it is determined that a different source is required for any reason, the new material must be approved by the Engineer prior to delivery or placement, and shall occur roadway to roadway. Crushed concrete may not be used for roadway base course or aggregate base repair. At the direction of the Engineer, crushed concrete may be used for driveway and sidewalk subbase granular material but shall be supplied from an IDOT approved source and material.

All aggregate shall be compacted to 95% modified proctor density conforming to ASTM D-1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

6. Hot-Mix Asphalt Leveling Binder, Binder Course, and Surface Course (Special)

This work shall include all labor, material, and equipment necessary to furnish and place hot-mix asphalt, of the type specified, in accordance with Section 406 of the Standard Specifications and as specified herein.

The type of mix specified is commonly known as 'MURPHY MIX'.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance of scheduled placement.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Leveling Binder.
 The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'.
 The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes.
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements.
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.
4. Reverse augers must be installed properly.
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold side of mat and / or curbing.
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
7. The Village may consider allowing a full road closure with detours at the Contractors request in order to allow for full width surface paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devices will be at Contractors expense.
8. Asphalt along the curb line shall be compacted such that the asphalt is 1/4" above the flag of gutter.
9. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course.
10. Any compromises of 16' ski or 1/4" gutter flag exposure shall be brought to the engineers attention and discussed. Failure to do so may result in repairs at the Contractors expense.

This work will be measured in place and paid for at the contract unit price per ton (TN) for HOT-MIX ASPHALT BINDER COURSE (SPECIAL), HOT-MIX ASPHALT SURFACE COURSE (SPECIAL), or per square yard (SY) for HOT-MIX ASPHALT DRIVEWAY

PAVEMENT, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

7. Class D Patches

This work shall include all labor, material, and equipment necessary to complete the removal and replacement of hot-mix asphalt pavement and/or aggregate subbase material, of the type and depth specified, where marked by the Engineer in accordance with Section 442 of the Standard Specifications and as specified herein.

The hot-mix asphalt mixture requirements shall be in accordance with the special provision, HOT-MIX ASPHALT LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE (SPECIAL).

For the patches that are marked as SPECIAL, These pavement patches shall be considered 'finish' or 'surface' patches and the final replacement material and depth shall be in accordance with the Hot-Mix Asphalt Mixture Requirements table as described herein and Section 1030 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for CLASS D PATCHES, of the type and depth specified, or CLASS D PATCHES, of the type and depth specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

8. Detectable Warnings (Furnished by Others)

This work shall include all labor, material, and equipment necessary to place furnished detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The Village of Buffalo Grove will furnish 24"x24" and 24"x30" detectable warning plates. The Contractor shall coordinate the retrieval of materials from the Department of Public Works Facility at 51 Raupp Boulevard from 7 AM to 3 PM, a minimum of 48 hours in advance of when the plates will be needed.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer's recommendation. The cutting of two panels to develop a radius will not be permitted.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS), which shall include all labor, material, and equipment required to complete the work as specified herein.

9. Pavement Removal

This work shall include all labor, material, and equipment necessary to completely remove the existing pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications.

Pavement removal shall be defined as asphalt or concrete pavement including asphalt or concrete base course, overlays, pozzolanic material, and aggregate or stabilized subbase material to the depth specified in the contract documents.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

10. Driveway Pavement Removal

This work shall include all labor, material, and equipment necessary to remove existing driveway pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications and as specified herein.

Driveway material type may include, but is not limited to, aggregate of various gradation, portland cement concrete and hot-mix asphalt pavements. The Contractor shall form a perpendicularly straight joint by full-depth machine sawing at the proposed limit of improvements to prevent surface spalling. The Contractor shall immediately replace, at no additional cost to the Village, any driveway pavement, outside of the limit of improvements or adjacent panels, damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

The limit of improvements for portland cement concrete driveway pavement shall follow an existing perpendicular joint pattern or as determined by the Engineer.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for DRIVEWAY PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

11. Water Main

This item shall include all labor, material, and equipment necessary to furnish and construct ductile iron water main, of the diameter specified in accordance with Section 561 of the Standard Specifications, Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

Water Main:

All water main bolts and nuts for all MJ connections, hydrants, valves, and other appurtenances shall have bolts manufactured with A304 stainless steel and all nuts and washers shall be manufactured with series 300 stainless steel.

All bends, fittings and accessories required for installation of the water main as specified and shown on the plans shall be included in the cost of water main.

Open Cut Installation:

The requirements of Section 40-2.01 of the Standard Specifications for Water and Sewer Construction in Illinois are modified as follows: Water Main shall be cement lined ductile iron pipe with "push on" single gasket joints and shall be thickness class 52. The pipe shall conform to ANSI A-21.51 and ANSI A-21.4, and AWWA C104 with joints meeting ANSI A-21.11. Fittings shall be ductile iron, 250 psi pressure rating, cement lined, with restrained push-on joints and shall meet ANSI A-21.10.

Mega-Lug retainer glands shall be required at all connections of ductile iron water main with bends, tees, crosses, reducers and other fittings.

No deflection of pipe will be allowed unless specified on the plans or approved in writing by the Engineer.

Vertical offsets shown on the plans will not be paid for separately but shall be included in the linear foot price of the water main.

All joints within the IDOT Right of Way shall be restrained type.

All testing and chlorination shall conform to Sections 41-2.12 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois AWWA C651-14 and the requirements of the Municipality.

Water mains and water services within 3' of the water main shall be polyethylene encased as described in ANSI/AWWA C105.A21.5 and ANSI/AWWA C600. The polyethylene wrap shall be installed as shown by the Ductile Iron Pipe Research Association publication "Polyethylene Encasement Installation Guide".

Pressure and Leakage Testing of Water Mains:

Pressure testing of the water mains shall be in accordance with Section 41-2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein. Water main shall be subjected to a minimum hydrostatic pressure test of 150 pounds per square inch (psi) for a period of not less than two (2) hours. The maximum allowable leakage will be that stated in section 41-2.14C the Standard Specifications for Water and Sewer Construction in Illinois. In addition, the hydrostatic pressure shall not drop more than five (5) psi during the test.

Chlorination of Water Mains:

Disinfection of water mains shall be performed according to AWWA C651-14 and section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois. Where conflicts between the above requirements exist, the more restrictive requirement shall govern or as approved by the Engineer

Chlorine shall be applied by the use of (1) liquid chlorine only. All work as listed shall be included with this pay item.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

12. Water Main, Insulated

This item shall include all labor, material, and equipment necessary to furnish and construct insulated ductile iron water main, of the diameter specified in accordance with Section 561 of the Standard Specifications, Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois, the applicable special provision above, and as specified herein.

Rigid extruded or expanded polystyrene insulation with a minimum R value of 5 at 40 degrees Fahrenheit per 1" thickness shall be installed at locations shown on the Engineering plans. Insulation shall also have a compressive deformation of 10% at 25 psi or higher. The insulation shall be installed on the sides and top of the trench with a minimum space of six (6) inches between the outside of the water main pipe and the inside wall of the insulation. This space shall be filled with CA-11 course aggregate and be paid for separately. The sides of the trench shall be covered with a minimum thickness of two (2) inches to twelve (12) inches below the bottom of the water main pipe to six (6) inches above the water main pipe. The top of the trench shall be covered with a minimum of four (4) inches of insulation.

The outer edges of the insulation shall be protected with a 1" thick piece of pressure treated plywood that shall cover all portions of the insulation material. All joints required for installation of the insulation and plywood shall be overlapped.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN, INSULATED, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

13. Water Valves

This work shall include all labor, material, and equipment necessary to furnish and install water valves, of the diameter specified, in accordance with Section 561 of the Standard Specifications and as specified herein.

Water valves shall conform to AWWA C504, AWWA C508, or AWWA C509. All valves shall turn counterclockwise, or to left, to open. Valves shall be American Flow Control, Series 2500 Resilient Wedge Gate Valves and shall have the manufacturer and year cast on the body with raised letters. **Valves shall have an all stainless steel trim.**

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER VALVES, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

14. Fire Hydrants to be Removed

This work shall include all labor, material, and equipment necessary to remove and dispose of existing fire hydrant assemblies at locations shown on the Engineering plans and as specified herein.

Fire hydrants shall be removed completely, including, but not limited to, the entire barrel section including the seat, the existing auxiliary valve, and valve box. Fire hydrant assemblies shall be delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village in good condition. Good condition is defined as the material is delivered without damage to the joints or fittings and can be repurposed. Material damaged due to the Contractor's negligence shall be replaced at no additional cost to the Village with equal material in good condition.

The Contractor shall coordinate delivery of materials with the Department of Public Works a minimum of 48-hours prior to delivery of the materials noted above.

The remaining open pipe fire hydrant lead shall be bulk headed with brick and mortar, or a mechanical joint cap, as directed by the Engineer. Any materials not suitable for salvage shall be disposed of according to Article 202.03 of the Standard Specifications.

The open excavation shall be backfilled with approved excavated materials. At the Contractors discretion to prevent future settlement, trench backfill material may be used at the Contractors expense as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for FIRE HYDRANTS TO BE REMOVED, which shall include all labor, material, and equipment required to complete the work as specified herein.

15. Fire Hydrant Assembly, Complete (Special)

This work shall include all labor, material, and equipment necessary to furnish and install a new fire hydrant assembly in accordance with Section 564 of the Standard Specifications, Section 45 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

This work effort includes all materials required to fully complete the fire hydrant assembly installation in accordance with the plan detail including, but not limited to, fire hydrant tee, all hydrant lead piping, "direct assembly" auxiliary valve, auxiliary valve box and stabilizer, fire hydrant, thrust blocking, joint restraints and backfill, etc., except open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

The Contractor will be responsible for protecting the installed hydrants during construction. It is recommended that the hydrants be covered with a protective bag to ensure no chips, scratches or other damage is done to the hydrants during construction. Any damage to the factory installed paint shall be repaired at the factory. Touch up paint or spray paint will not be an acceptable method of painting for any new hydrants.

Fire hydrants shall be set plumb and level with their nozzles paralleled with or at right angles to the roadway, with the pumper nozzle normal to the roadway. They shall conform to the established grade, with nozzles at a minimum of eighteen (18) inches above finished grade.

At the direction of the Engineer, fire hydrant barrel extensions may be required to be furnished and installed. Fire hydrant extensions and parts shall be manufactured by Waterous and shall have all stainless street trim. Any labor, material, or equipment necessary to furnish and install fire hydrant barrel extensions shall be measured in place and paid for per foot (FT) with the contract pay item FIRE HYDRANT EXTENSION (SPECIAL).

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. The open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

This work will be measured in place and paid for at the contract unit price per each (EA) for FIRE HYDRANT ASSEMBLY, COMPLETE, (SPECIAL) which shall include all labor, material, and equipment required to complete the work as specified herein.

16. Pipe Underdrains

This work shall include all labor, material, and equipment necessary to furnish and install pipe underdrains in accordance with Section 601 of the Standard Specifications and as specified herein.

Pipe underdrains shall be installed behind the back of curb per the detail shown on the Engineering plan from each existing storm sewer structure for fifty (50) feet in each parallel direction. Pipe bends and fittings shall be required for radii $\leq 50'$.

The aggregate backfill material and fabric sock, as specified in the Engineering plans and as specified herein, shall be included in the cost of this pay item, regardless of the depth of pipe underdrain. When connecting a proposed underdrain to an existing storm sewer structure, a new hole shall be machine cored with a maximum six (6) inch diameter, circular hole. Cutting a new pipe opening by any other method shall not be permitted.

The pipe material used for this item shall be exclusively perforated PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

This work will be measured in place and paid for at the contract unit price per foot (FT) for PIPE UNDERDRAINS, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

17. Drainage Structures to be Abandoned

This work shall include all labor, material, and equipment necessary to abandon existing drainage structures at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

Existing drainage structures shall be removed, frame and lid included, to a partial depth approximately three feet below finished grade and filled with CA-11 aggregate material as specified herein. The Engineer or Department of Public Works will determine if the existing frame and lid is salvageable.

All material resulting from the abandonment of existing drainage structures that is not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES TO BE ABANDONED, which shall include all labor, material, and equipment required to complete the work as specified herein.

18. Combination Concrete Curb and Gutter

This work shall include all labor, material, and equipment necessary to construct concrete curb, and combination concrete curb and gutter, of the type specified, as marked by the Engineer in accordance with Section 606 of the Standard Specifications and as specified herein.

The Contractor shall closely match the existing concrete curb and gutter style type of the adjacent existing curb and gutter. This work shall include the installation of two #4 continuous reinforcing bars as shown on the Engineering plans along the full length of the new curb and gutter. At points where the proposed concrete curb and gutter abuts existing concrete, two #4 smooth epoxy coated dowel-bars shall be installed at 24" on center. The depth of the proposed concrete gutter shall match the existing adjacent depth, but not less than nine (9) inches.

The material used for this item shall be exclusively portland cement concrete in accordance with Section 1020 of the Standard Specifications and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs per cubic yard of concrete at the ready mix plant. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CONCRETE CURB, of the type specified, and, COMBINATION CONCRETE CURB AND GUTTER, of the type specified, (SPECIAL) which shall include all labor, material, and equipment required to complete the work as specified herein.

19. Storm Sewer Connection

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing storm sewer or storm structure at locations shown on the Engineering plans and as specified herein.

All connections to existing storm sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The existing structure wall shall be machine cored with a circular bit to a distance not to exceed three (3) inches beyond the outside circumference of the new pipe. If required by the Engineer, the existing bench shall be modified to accept the new pipe.

This work will be measured in place and paid for at the contract unit price per each (EA) for STORM SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

20. Sanitary Sewer Connection

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed sanitary sewer to the existing sanitary sewer or sanitary structure at locations shown on the Engineering plans and as specified herein.

All connections to existing sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The existing structure wall shall be machine cored with a circular bit to a distance not to exceed three (3) inches beyond the outside circumference of the new pipe. If required by the Engineer, the existing bench shall be modified to accept the new pipe. All connections to the existing structure shall have a neoprene boot installed with stainless steel bands meeting the requirements of ASTM C-923.

This work will be measured in place and paid for at the contract unit price per each (EA) for SANITARY SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

21. Drainage Structures

This work shall include all labor, material, and equipment necessary to furnish and install rectangular drainage structures, of the size specified, at locations shown on the Engineering plans in accordance with Section 602 of the Standard Specifications and as specified herein.

The drainage structures shall be precast reinforced concrete sections of the internal size specified. The wall and bottom thickness shall be a minimum of six (6) inches with reinforcement bars conforming to ASTM A-706 Grade 60.

The frame and grate shall be exclusively East Jordan 7030.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES, of the size and frame and grate type specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

22. Valve Vaults to be Abandoned

This work shall include all labor, material, and equipment necessary to abandon existing valve vaults at locations shown on the Engineering plans and as specified herein.

The Contractor shall remove the existing operating nut from the closed valve and install a plate furnished by the Village in lieu of the operating nut.

This work will be measured in place and paid for at the contract unit price per each (EA) for VALVE VAULTS TO BE ABANDONED, which shall include all labor, material, and equipment required to complete the work as specified herein.

23. Valve Vaults and Valve Boxes to be Removed

This work shall include all labor, material, and equipment necessary to remove existing valve vaults and valve boxes at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

Valve vaults shall be removed, frame and lid included, to a partial depth approximately three feet below finished grade and filled with CA-11 aggregate material as specified herein. Valve boxes shall be removed full depth and the open excavation left as a result of the valve box removed shall be filled with CA-11 aggregate material as specified herein.

The Engineer or Department of Public Works will determine if the existing frame and lid or valve box is salvageable and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for VALVE VAULTS TO BE REMOVED, and VALVE BOXES TO BE REMOVED, which shall include all labor, material, and equipment required to complete the work as specified herein.

24. Water Valves to be Removed

This work shall include all labor, material, and equipment necessary to remove existing water valves, regardless of size, at locations shown on the Engineering plans and as specified herein.

Water valves shall be removed by either cutting the existing pipe or loosening the existing bolts.

The existing water valves shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER VALVES TO BE REMOVED, which price shall include all labor, material, and equipment required to complete the work as specified herein.

25. Traffic Control and Protection (Special)

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

Delays to the Contractor caused by complying with these requirements will be considered included in the cost of the contract, and no additional compensation will be allowed.

Standards

701001, 701006, 701011, 701101, 701301, 701427, 701501, 701601, 701611, 701701, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways

TC-13 District One Typical Pavement Markings

TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)

TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control

Construction Staging and Maintenance of Base Course

Protection of Mailboxes

Traffic Control Plan

LRS 3 – Work Zone Traffic Control Surveillance

LRS 4 – Flaggers in Work Zones

BDE – Vehicle and Equipment Warning Lights

BDE – Work Zone Traffic Control Devices

No roads or segments shall be closed without prior written approval from the Village and Engineer. The Contractor must present to the Engineer, a detour plan with a detailed description addressing how resident access will be maintained and all applicable signage. Submittal of a road closure request to the Engineer does not guarantee approval. Any additional traffic control devices required for road closures per the Contractor's request shall not be paid for separately but shall be included in the cost of the contract.

The Contractor shall be properly advised of the regulated weight limits within the surrounding areas of the project. No additional compensation in time or monetary value will be allowed. The Village of Buffalo Grove Police Department requires permits for Overweight/Over-Sized Trucks or Vehicles. The Contractor can find additional information at www.vbg.org/645/Truck-Enforcement or by calling (847) 459-2560.

Temporary "No Parking" signs must be approved by the Engineer prior to installation and the Village must be notified for each individual use or occurrence. The temporary signs must be POSTED AND DATED at least 24 hours before the intended date of use and shall be a minimum size of 8.5"x11", with a contrasting background and be lathe or post mounted. Any signage that is posted without the Engineer's approval will be assessed a monetary penalty of \$500 per day until removed. **The Contractor shall not tow or move any vehicles.**

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

26. Traffic Control and Protection – Buffalo Grove Road (Special)

This work shall include all labor, material, and equipment necessary to plan, furnish, install, maintain, relocate, and remove all applicable traffic control devices required to complete the work associated along Buffalo Grove Road according to the applicable sections of the

Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

Standards

701001, 701006, 701011, 701101, 701301, 701427, 701501, 701601, 701611, 701701, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways
TC-13 District One Typical Pavement Markings
TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control
Construction Staging and Maintenance of Base Course
Protection of Mailboxes
Traffic Control Plan
LRS 3 – Work Zone Traffic Control Surveillance
LRS 4 – Flaggers in Work Zones
BDE – Vehicle and Equipment Warning Lights
BDE – Work Zone Traffic Control Devices

No signage shall be installed within the Cook County Department of Transportation and Highways right-of-way without prior approval by CCDOTH and all applicable permit requirements are fulfilled. The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION – BUFFALO GROVE ROAD, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

27. Cut and Cap Existing Water Main

This work shall include all labor, material, and equipment necessary to excavate, expose, cut and cap existing water main pipe in a neat and workmanlike manner at locations shown on the Engineering plans or at the direction of the Engineer and as specified herein.

Ends shall be capped with a mechanical plug or cap to prevent infiltration into the abandoned water main. Aggregate trench backfill material will be paid for according to Article 208.04 of the Standard Specifications. This item shall only be used at locations shown on the Engineering plans or at the direction of the Engineer. If applicable, plugs or caps required at existing fire hydrant leads, valves that were removed, or for temporary use to abandon the water main in place will be included in the cost of each applicable pay item.

This work will be measured in place and paid for at the contract unit price per each (EA) for CUT AND CAP EXISTING WATER MAIN, regardless of size, which shall include all labor, material, and equipment required to complete the work as specified herein.

28. Connection to Existing Water Main (Non-Pressure)

This work shall include all labor, material, and equipment necessary to complete the non-pressure connection of the proposed water main to the existing water main at locations shown on the Engineering plans in accordance with Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The work shall include all pipe, reducers, fittings, solid sleeves, excavation, concrete thrust blocking, and disposal of surplus excavated materials. Connection of ductile iron water main to existing cast iron water main will require the use of a Tyler Long Pattern Duo Solid Sleeve. The Contractor shall notify the Engineer a minimum of 72 hours prior to any required water main shut downs.

As these connections cannot be pressure tested or chlorinated, the Contractor shall swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop in the presence of the Engineer, and the new section of water main must be pressurized prior to backfilling. **441 OMNI Couplings shall not be permitted.**

This pay item shall also include the removal of the existing water main pipe as necessary to install the proposed improvements as shown on the Engineering plans. All ductile iron pipe will be paid for separately to the connection point at the existing main.

Because of the age of the existing water system, the Village cannot assure that a complete shutdown will be achievable. The Contractor shall be equipped with enough pumps as necessary to complete the work as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

29. Pressure Connection

This work shall include all labor, material, and equipment necessary to complete a pressure connection in accordance with Section 46 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

All material requirements shall be in accordance with Exhibit No. 109 Materials List, as specified herein. This work shall include all materials including but not limited to the tapping sleeve, valve, and auxiliary box.

This work will be measured in place and paid for at the contract unit price per each (EA) for PRESSURE CONNECTION, of the size specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

30. Line Stop

This work shall include all labor, material, and equipment necessary to place a self-contained hydraulic unit within an operating water main for the purpose of installation of a valve and/or other connection with the existing system without interruption of service.

The line stop unit shall be a self-contained hydraulic (hand pump operated) ram. The line stopping device shall be of such design that, when hydraulic pressure is applied, the bladder will expand and conform to the I.D. of the pipe and tuberculation inside the main (if any) will be moved outside of the sealing area.

The line stop shall be of the 'Short Stop' variety, which will require removing only the top of the pipe during the operation. All fittings shall employ an I.D. thread, screw type engagement together with O-Ring seal for bubble tight completion. After insertion of plug, a screw-on cap will be used and bolted down. The system shall be capable of containing a water pressure of 150 psi. The line stopping system shall be approved by the Engineer prior to mobilization/installation.

The unit price per each shall be payment in full for all materials; labor and equipment required for: supply and installation of the LINE STOP; placement of required plugs; testing / inspection; correction of defects; removal of the line stop, and, related work required to complete the installation which is not included under other pay items.

This work will be measured in place and paid for at the contract unit price per each (EA) for LINE STOP, of the size specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

31. Water Main Removal

This work shall include all labor, material, and equipment necessary to remove and dispose of existing water main, of the diameter specified, at locations shown on the Engineering plans in accordance with Section 551 of the Standard Specifications and as specified herein.

Excavation of trenches shall be performed according to the applicable requirements of Article 550.04. Trench backfill for water main removal will be measured for payment according to Article 208.03, except an addition will be made for one-half of the volume of the pipe removed. Materials resulting from the removal of existing water main shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN REMOVAL, of the diameter specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

32. Drainage Structures to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing drainage structures in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing drainage structures which are to be adjusted to proposed grade where two (2) feet or less of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The new frames and grates or lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein.

The existing frame and grates or lids shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES TO BE ADJUSTED WITH, new frame and grate or lid specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

33. Frames and Lids, Type 1, Closed Lid (Sanitary)

This work shall include all labor, material, and equipment necessary to furnish and install frames and lids, of the type specified, at locations shown on the Engineering plans in accordance with Section 604 of the Standard Specifications and as specified herein.

The Contractor shall remove any existing internal or external chimney seal and install a new external chimney seal in accordance with ASTM C-923, and be produced and supplied by Cretex Specialty Products, or approved equal. The external chimney seal shall be installed per the manufacturer's recommendation.

The structure shall be brought flush to the surrounding elevation with new adjustment rings. Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for FRAMES AND LIDS, of the type specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

34. Sanitary Manholes to be Reconstructed

This work shall include all labor, material, and equipment necessary to reconstruct existing sanitary manholes in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing manholes which are to be reconstructed to proposed grade where more than two (2) feet of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

The exterior of barrel sections shall have a bituminous coating per ANSI A 21.4 (AWWA C104) applied and cured prior to backfilling of the structure.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise. The units shall be sealed with external sealing bands, preformed flexible joint sealant or mastic joint sealer, and shall be watertight. An external chimney seal shall be furnished in accordance with ASTM C-923 and installed according to the manufacturer's recommendation.

The new frames and lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein. The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for SANITARY MANHOLES TO BE RECONSTRUCTED WITH, new frame and grate or lid specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

35. Manholes, Sanitary

This work shall include all labor, material, and equipment necessary to furnish and install sanitary manholes at locations shown on the Engineering plans in accordance with Section 602 of the Standard Specifications, the applicable plan details, and as specified herein.

The sanitary manhole shall be precast reinforced concrete sections furnished with cast in watertight resilient rubber gasket couplings manufactured in accordance with ASTM C-923. The units shall be sealed with external sealing bands, preformed flexible joint sealant or mastic joint sealer, and shall be watertight. An external chimney seal shall be furnished in accordance with ASTM C-923 and installed according to the manufacturer's recommendation. The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

All proposed sanitary manholes shall be tested by either ASTM C-969 or ASTM C-1244.

This work will be measured in place and paid for at the contract unit price per each (EA) for MANHOLES, SANITARY, of the diameter and lid type specified, or MANHOLES, DROP, SANITARY, of the diameter and lid type specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

36. Sanitary Sewers

This work shall include all labor, material, and equipment necessary to furnish and install sanitary sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

The material used for pipe and fittings shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

All sanitary sewer shall be tested in accordance with the Standard Specifications for Water and Sewer Construction in Illinois. All flexible sanitary sewer pipe shall be tested by Method D and either Method A, B, or C as outlined in Section 31-1.12. All sanitary sewer must also be tested by Method E. The Contractor shall provide the Engineer a copy of the video on a digital video disc. The video must be in color and proceed no faster than one (1) foot per second.

The trench shall be backfilled, where applicable, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

Sanitary sewer will be measured for payment in place in feet along the length from end to end, including sanitary sewer service wye fittings, but excluding through manholes.

This work will be measured in place and paid for at the contract unit price per foot (FT) for SANITARY SEWERS, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

37. Storm Sewer, Water Main Quality

This work shall include all labor, material, and equipment necessary to furnish and install storm sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

All storm sewer labeled water main class or quality shall be furnished in accordance with the Utility Table in the Engineering plans. The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

The trench shall be backfilled, where applicable, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWERS, of the type, WATER MAIN QUALITY PIPE, and diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

38. Exploration Excavation (Special)

This work shall include all labor, material, and equipment necessary to excavate an exploratory trench as directed by the Engineer and as specified herein.

Exploration excavations shall be completed as required to locate existing utility facilities within the proposed project limits. The excavation shall not be less than 48 inches in depth and the width shall be sufficient to allow proper investigation of the entire trench length. The Contractor shall not be paid this item without prior approval from the Engineer.

The excavation shall be backfilled in accordance with Section 208 of the Standard Specifications or as directed by the Engineer. Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for EXPLORATION EXCAVATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

39. Adjusting Sanitary/Storm Services (Special)

This work shall include all labor, material, and equipment necessary to adjust existing sanitary and storm sewer service lines at the direction of the Engineer in accordance with Section 563 of the Standard Specifications and as specified herein.

This item shall be used, when determined by the Engineer, where existing sanitary or storm sewer service lines conflict with the proposed utility improvements. The sewer services shall be removed and replaced to a length that will eliminate the conflict and provide positive slope to the existing main. This work shall include the removal of existing sewer pipe, and all fittings and couplings required to complete the work. .

Any sewer service line, including fittings, damaged by the Contractor due to neglect, misconduct, or poor workmanship shall be replaced at the Contractor's expense.

The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

All connections to existing sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The trench shall be backfilled, and included in the cost of this item, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

Tapping saddles may not be used for connection of services to PVC or VCP mainline sewers.

If the Contractor damages any sanitary/storm service line not requiring adjustment, or any other underground structure or utility, the Contractor shall replace or repair it as required by the Engineer and no additional compensation will be allowed. When a sanitary/storm sewer is to be adjusted, the Contractor shall remove it carefully to prevent damage to the existing pipe which will remain.

This work will be measured in place and paid for at the contract unit price per foot (FOOT) for ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

40. Sanitary/Storm Sewer to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove existing sanitary or storm sewer at locations shown on the Engineering plans in accordance with Section 551 of the Standard Specifications and as specified herein.

Storm and sanitary sewer pipe shall be removed completely and not crushed in place; material not suitable for salvage shall be disposed according to Article 202.03. Excavation of trenches shall be performed according to the applicable requirements of Article 550.04. Backfill of trenches shall be performed according to the applicable requirements of Article 208.03. All measurements shall be the internal diameter of the sewer pipe.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWER TO BE REMOVED, of the size specified, (SPECIAL), and SANITARY SEWER TO BE REMOVED, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

41. Plug Existing Storm Sewer

This work shall include all labor, material, and equipment necessary to excavate, expose, and plug existing storm sewer pipe at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

The existing pipe shall be exposed, and the Contractor form a perpendicularly full-depth straight cut.

Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications. Pipe ends shall be plugged with a minimum of two (2) feet long brick and mortar plugs to prevent infiltration into the abandoned pipe.

After the concrete or mortar has set, the excavation shall be backfilled with aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. Pavement, sidewalk, or driveway removal and trench backfill material shall be paid for under each applicable contract pay item.

This work will be measured in place and paid for at the contract unit price per each (EA) for PLUG EXISTING STORM SEWER, which shall include all labor, material, and equipment required to complete the work as specified herein.

42. Sanitary Sewer Televising

This work shall include all labor, material, and equipment necessary to perform sanitary sewer system televising operations as specified herein.

The Contractor shall be required to perform closed-circuit televising services where the proposed storm sewer crosses the existing sanitary sewer system and individual sanitary services on Navajo Trail from sanitary manhole #C-13-1007 to #D-15-1008 prior to construction commencement and immediately following storm sewer main line installation. The post construction televising services shall be completed prior to binder course installation. The operator shall be experienced and trained in the use of closed-circuit televising of existing sewer systems and services.

The sewer inspections shall be recorded digitally, with the recording playback at the same speed that it was recorded, and voice recording. The following shall be provided:

- a) Location of sewer lines inspected using manhole numbers or street names or addresses.
- b) Quadrant location of all leaks or cracks.
- c) Size (diameter) of sewer line televised.
- d) Location of service connections.
- e) Television inspection logs shall be reported in the same sequence as they appear on the recording.
- f) The sewer televising camera shall have the capability of a rotating lens.
- g) The sanitary sewer services shall be televised using a lateral launcher with the capability of launching a minimum of thirty (30) feet. Each lateral shall be evaluated and traced on the surface with paint and flags, and a map of each lateral with approximate depths. This work shall be reflected in the reports.
- h) Any deep sags or pipe segments under water shall be dewatered so that proper television inspection can be performed.

The Contractor shall carefully inspect the sewer pipe and advise and note if any repairs are required. The Contractor shall submit a digital copy of the televising video and respective reports via email or otherwise. Prior to binder course placement, the Village and Engineer will review the recording and reports to determine if any existing sewer systems or services were damaged. The Contractor shall replace, at no additional cost to the Village, any damage to the existing sewer system or services due to the Contractor's negligence, misconduct, or poor workmanship, as determined by the Village. This review does not preclude the Contractor from future damage claims until the warranty period has expired.

It would be the Village's intent to recommend Performance Pipelining, Inc. or Pipe View as the Prime Contractor's subcontractor for this work. Pursuant to the General Conditions, the subcontractor intended shall be approved by the Village.

The Contractor shall accept payment for the actual work performed in accordance with Article 109.04 of the Standard Specifications, however, no increase to the allowed amount on the Bid Form will be permitted.

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for SANITARY SEWER TELEVISIONING, which shall include all labor, material, and equipment required to complete the work as specified herein.

43. Temporary Storm Sewer Connection

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove a temporary storm sewer connection at the intersection of St. Mary's Parkway and Navajo Trail as specified herein.

In order to maintain the existing storm sewer system while installing the proposed storm sewer along Navajo Trail, a temporary storm sewer connection shall be made to the new manhole SS #2 immediately following installation. This connection can be made with any pipe material the Contractor chooses, however, must have an inside diameter of thirty-six (36) inches and not restrict the drainage pattern in any way.

The Contractor shall core or cut a hole at the existing pipe elevation in SS #2 and temporarily make the connection to the existing thirty-six (36) inch diameter storm sewer main to the south. Following the completion of the entirety of the proposed storm sewer system, the temporary connection shall be removed from SS #2, and the remaining hole be brick and mortared on the exterior and interior of the structure. The existing thirty-six (36) inch diameter storm sewer shall be plugged in accordance with the applicable special provision herein.

The excavation shall be backfilled in accordance with Section 208 of the Standard Specifications or as directed by the Engineer. Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TEMPORARY STORM SEWER CONNECTION, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

44. Buffalo Box Frame & Lid (Special)

This work shall include all labor, material, and equipment necessary to furnish and install a frame and lid specifically for water service boxes that are in the pavement areas and/or sidewalk or anywhere other than the parkway as determined by the Engineer.

The frame and lid required shall be exclusively Neenah R-1970 produced and supplied by:

Neenah Foundry Co.
2121 Brooks Avenue
Neenah, WI 54956
Phone: (920) 725-7000
www.nfco.com

It is recommended that the Contractor order the required number of frame and lids as soon as possible. Any delays to the project caused by backordered materials or the Contractor's negligence to proactively order the correct number of proposed frame and lids will not constitute an extension of time, out of sequence construction operations, or the forgiveness of the driveway closure timeline requirements.

This work will be measured in place and paid for at the contract unit price per each (EA) for BUFFALO BOX FRAME & LID (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

45. Water Service, Type K Copper, of the size specified (Special)

This work shall include all labor, material, and equipment necessary to furnish and place water service pipe in accordance with Section 41 with special attention to Article 41.2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The Contractor has the option of installing the service lines with open cut or trenchless methods. Any trench backfill, capping stone, capping stone removal prior to paving, additional saw cuts, additional restoration from drilling equipment or other items as necessary to facilitate the installation of the service lines shall be included in the per foot price for WATER SERVICE, TYPE K COPPER, of the size specified (SPECIAL).

On street segments that are not being reconstructed, all long service lines are required to be installed via an approved trenchless method.

Trench backfill required for excavations to make connections under sidewalks or driveways will be paid for separately.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

If it is determined that new water service lines freeze following the installation due to inclement temperatures, it shall be the Contractor's responsibility to immediately thaw out the service line and reinstate the distribution of water. If it is a reoccurring event or if it is a foreseeable issue, the Contractor shall provide a solution in writing for the Engineer's review and approval.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER SERVICE, TYPE K COPPER, of the size specified, (SPECIAL), or WATER SERVICE, TYPE K COPPER, of the size specified, TRENCHLESS METHOD (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

46. Water Service, Connect to Existing, Complete (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Article 41.2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

All service boxes will be replaced. The existing water service piping is unknown and may include lead, copper, galvanized iron, or other material types. The Contractor shall provide all the necessary fittings to connect new water service to the existing water service including a new curb stop and service box. It is the Contractor's responsibility to determine the existing material, depth, size, and location of the existing service at the connection location.

House connections to proposed main shall be made individually and in as short of time as possible after testing and disinfection. No water customer shall be without water in excess of two (2) hours and shall be notified prior to disconnecting service.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

The Contractor will be required to notify homeowners and business owners 48 hours prior to affecting their service line. Upon reconnection of water services to the new water main the Contractor shall hang a door tag with instructions for the homeowner to be provided by the Village. The information on this door tag will not relieve the Contractor from normal duties expected when installing and reconnecting water service lines to prevent damage to internal plumbing systems of a residence or business. All fittings for copper service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The contractor shall have a crimping tool and e-z out or freeze kit onsite to make repairs as needed. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project. This work shall be considered included in the cost of construction. All water services shall be connected back to the existing service line as approved by the engineer. The contractor is responsible for locating the service line at the point of connection on the house side of the b-box.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER SERVICE, CONNECT TO EXISTING, COMPLETE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

47. Water Service, Tap, of the size specified, Complete (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Articles 41-2.11 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

When direct tapping the polyethylene encased pipe, the Contractor shall wrap no less than three layers of water proof adhesive tape completely around the pipe to cover the tapping machine and chain mounting area. After making the tap the casement shall be inspected for damage and any repairs shall be made. The corporation stop and three feet (3') of the new water service piping shall be wrapped with additional polyethylene casement.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

All services greater than one inch (1") shall have a two (2) bolt full circle stainless sleeve tapping sleeve with stainless steel hardware.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER SERVICE, TAP, OF THE SIZE SPECIFIED, COMPLETE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

48. Abandon Existing Water Main (Special)

This work shall include all labor, material, and equipment necessary to furnish and fill the existing water main with controlled low-strength material in accordance with Section 593 of the Standard Specifications and as specified herein.

This work shall consist of filling existing water main to be abandoned with Controlled Low Strength Material (CLSM). The utility shall be plugged on all ends with a plug material meeting approval of the Engineer. The plug shall be adequate to withstand the hydrostatic load created during the filling operation. If the plugs fail during the filling operation, the Contractor shall be responsible for the cost of repairing the plugs and filling the remainder of the pipe. CLSM shall be placed to completely fill all voids and crevices within the abandoned pipe. CLSM shall be placed by low pressure pumping with a maximum length of flow limited only by the safe allowable load that may be applied

to the abandoned utility. Additional access holes, where required, or as directed by the Engineer, shall be opened to assure the complete filling of the utility.

The capping and/or plugging required to fill the pipe as described will be included with this pay item.

The Contractor shall submit to the Engineer a mix design for the flowable fill used on the project. The mix design shall generally conform to the following mix as designed by Prairie Material Mix #6115811, or approved by the Engineer:

Cement: 80 Pounds
Fly Ash 910 Pounded line
Sand 1850 Pounds
Water 54.7 Gallons
A/E 1-25%
Slump 10+/- 1"

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for ABANDON EXISTING WATER MAIN (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

49. Temporary Pavement

This work shall include all labor, material, and equipment necessary to furnish, place, maintain, and remove temporary asphalt pavement, of the depth specified, in accordance with Section 406 and 443 of the Standard Specifications and as specified herein.

This item shall be used at locations determined by the Village or Engineer.

It is at the Contractor's discretion regarding the material and mix type furnished, however, must be a hot-mix asphalt material stated in the submitted Hot-Mix Asphalt Quality Control Plan. The placement of temporary pavement shall be a minimum of four (4) inches in depth. The temporary pavement shall be maintained to the satisfaction of the Engineer and may include additional compacting or the addition or replacement of temporary material at no additional cost to the Owner.

Immediately prior to permanent asphalt pavement patching operations, the temporary pavement shall be removed and disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per ton (TN) for TEMPORARY PAVEMENT, which shall include all labor, material, and equipment required to complete the work as specified herein.

IDOT District One - Special Provisions

1. Adjustments and Reconstructions (D-1)

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

2. Detector Loop Replacement (D-1)

Effective: January 1, 1985

Revised: January 5, 2016

886.02TS

require wiring revisions inside the control cabinet and therefore the transfer of maintenance will be required. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer.

The work to be provided under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Notification of Intent to Work.

Contracts such as pavement grinding or patching which result in the destruction of traffic signal detection require a notification of intent to work and an inspection. A minimum of seven (7) working days prior to the detection removal, the Contractor shall notify the:

- Traffic Signal Maintenance and Operations Engineer at (847)705-4424

- IDOT Electrical Maintenance Contractor at (773) 287-7600

at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection.

Failure to provide proper notification may require the District's Electrical Maintenance Contractor to be called to investigate complaints of inadequate traffic signal timing. All costs associated with these expenses will be paid for by the Contractor at no additional expense to the Department according to Section 109 of the "Standard Specifications."

Acceptance of Material.

The Contractor shall provide:

1. All material approval requests shall be submitted a minimum of seven (7) days prior to the delivery of equipment to the job site, or within 30 consecutive calendar days after the contract is awarded, or within 15 consecutive calendar days after the preconstruction meeting, whichever is first.
2. Four (4) copies of a letter listing the vendor's name and model numbers of the proposed equipment shall be supplied. The letter will be reviewed by the Traffic Design Engineer to determine whether the equipment to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
3. One (1) copy of material catalog cuts.
4. The contract number, permit number or intersection location must be on each sheet of the letter and material catalog cuts as required in items 2 and 3.

Inspection of Construction.

When the road is open to traffic, except as otherwise provided in Section 801 and 850 of the Standard Specifications, the Contractor must request a turn-on and inspection of the completed detector loop installation at each separate location. This request must be made to the Traffic Signal Maintenance and Operations Engineer at (847)705-4424 a minimum of seven (7) working days prior to the time of the requested inspection.

Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal "turn on." If approved, traffic signal acceptance shall be verbal at the "turn on" inspection followed by written correspondence from the Engineer. If this work is not completed in time, the Department reserves the right to have the work completed by others at the Contractor's expense.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid price, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements will be subject to removal and disposal at the Contractor's expense.

Restoration of Work Area.

Restoration of the traffic signal work area due to the detector loop installation and/or replacement shall be included in the cost of this item. All roadway surfaces such as shoulders, medians, sidewalks, pavement shall be replaced as shown in the plans or in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded.

Removal, Disposal and Salvage of Existing Traffic Signal Equipment.

The removal, disposal, and salvage of existing traffic signal equipment shall be included in the cost of this item. All material and equipment removed shall become the property of the Contractor and disposed of by the Contractor outside the State's right-of-way. No additional compensation shall be provided to the Contractor for removal, disposal or salvage expense for the work in this contract.

DETECTOR LOOP REPLACEMENT.

This work shall consist of replacing existing detector loops which are destroyed during grinding, resurfacing, or patching operations.

If damage to the detector loop is unavoidable, replacement of the existing detection system will be necessary. This work shall be completed by an approved Electrical Contractor as directed by the Engineer.

Replacement of the loops shall be accomplished in the following manner: The Engineer shall mark the location of the replacement loops. The Traffic Signal Maintenance and Operations Engineer shall be called to approve loop locations prior to the cutting of the pavement. The Contractor may reuse the existing coillable non-metallic conduit (CNC) located between the existing handhole and the pavement if it hasn't been damaged. CNC meeting the requirements of NEC Article 353 shall be used for detector loop raceways to the handholes. All burrs shall be removed from the edges of the existing conduit which could cause damage to the new detector loop during installation. If the existing conduit is damaged beyond repair, if it cannot be located, or if additional conduits are required for each proposed loop; the Contractor shall be required to drill through the existing pavement into the appropriate handhole, and install 1" (25 mm) CNC. This work

and the required materials shall not be paid for separately but shall be included in the pay item Detector Loop Replacement. Once suitable CNC raceways is established, the loop may be cut, installed, sealed and spliced to the twisted-shielded lead-in cable in the handhole. All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) deep x 4" (100 mm) saw-cut to mark location of each loop lead-in.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the Traffic Signal Maintenance and Operations Engineer (847)705-4424 to inspect and approve the layout.

Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details." Saw-cuts from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw-cut unless directed otherwise by the Engineer or as shown on the plan.

The detector loop cable insulation shall be labeled with the cable specifications.

Each loop detector lead-in wire shall be labeled in the handhole using a water proof tag, from an approved vendor, secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole, shall be included in the detector loop pay item.

Loop sealant shall be a two-component thixotropic chemically cured polyurethane. The sealant shall be installed 1/8" (3 mm) below the pavement surface. If installed above the surface the excess shall be removed immediately.

Round loop(s) 6 ft (1.8 m) diameter may be substituted for 6 ft (1.8 m) by 6 ft (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Resistance to ground shall be a minimum of 100 mega-ohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be more than 5.

Heat shrink splices shall be used according to the "District 1 Standard Traffic Signal Design Details."

Detector loop replacement shall be measured along the sawed slot in the pavement containing the loop cable up to the edge of pavement, rather than the actual length of the wire in the slot. Drilling handholes, sawing the pavement, furnishing and installing CNC to the appropriate handhole, cable splicing to provide a fully operable detector loop, testing and all trench and backfill shall be included in this item.

Basis of Payment.

Detector Loop Replacement shall be paid for at the contract unit price per foot (meter) of DETECTOR LOOP REPLACEMENT.

MAGNETIC DETECTOR REMOVAL AND DETECTOR LOOP INSTALLATION.

This work shall consist of the removal of existing magnetic detectors, magnetic detector lead-in cable and magnetic detection amplifiers and related control equipment wiring, installation of detector lead-in cable, detector loops, detector amplifiers and related equipment wiring. The detector loop, cable, and amplifier shall be installed according to the applicable portions of the "Standard Specifications" and the applicable portions of the Special Provision for "Detector Loop Replacement." All drilling of handholes, furnishing and installing CNC, cable splicing, trench and backfill, removal of equipment, and removing cable from conduit shall be included in this item.

Basis of Payment.

Magnetic Detector Removal and Detector Loop Installation shall be paid for at the contract unit price per foot (meter) for DETECTOR LOOP, TYPE I, per each for INDUCTIVE LOOP DETECTOR, and foot (meter) for ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR.

3. Friction Aggregate (D-1)

Effective: January 1, 2011
Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

"1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}
		<u>Other Combinations Allowed:</u>
		<i>Up to...</i> <i>With...</i>
		25% Limestone Dolomite
		50% Limestone Any Mixture D aggregate other than Dolomite
75% Limestone Crushed Slag (ACBF) or Crushed Sandstone		

Use	Mixture	Aggregates Allowed
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.
		<u>Other Combinations Allowed:</u>
		<i>Up to...</i> <i>With...</i>
		50% Dolomite ^{2/} Any Mixture E aggregate
		75% Dolomite ^{2/} Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
75% Crushed Gravel ^{2/} Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag		
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.
		<u>Other Combinations Allowed:</u>
		<i>Up to...</i> <i>With...</i>
		50% Crushed Gravel ^{2/} or Dolomite ^{2/} Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

- 1/ Crushed steel slag allowed in shoulder surface only.
- 2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume.”
Combining different types of aggregate will not be permitted in SMA Ndesign 80.”

4. Hamburg Wheel and Tensile Strength Ratio Testing (D-1)

Effective: December 1, 2020
 Revised: December 1, 2021

Revise the second and third paragraph of Article 1030.05 (d) of the Standard Specifications to read:

“High ESAL mixture designs shall meet the following requirements for tensile strength, TSR and Hamburg wheel criteria.

If a mix design fails the Department’s verification testing, the Contractor shall make necessary changes to the mix and provide passing volumetric, tensile strength, TSR and Hamburg wheel procedure results before resubmittal. The Department will verify the passing results.”

Add to the end of Article 1030.05 (d)(3) of the Standard Specifications to read:

“ During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel Testing ^{1/2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

- 1/ The compacted gyratory bricks for Hamburg wheel testing shall be 7.5 ± 0.5 percent air voids.
- 2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Delete Article 1030.05(d)(4) of the Standard Specifications.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: Hamburg wheel testing for High ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Upon notification by the Engineer of a failing Hamburg wheel test, the Contractor shall immediately resample and the Department will test. Paving may continue as long as all other mixture criteria is being met. If the second set of Hamburg wheel test fail, no additional mixture shall be produced until the Engineer receives passing Hamburg wheel tests.”

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

“Mixture sampled during the first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

5. Hot-Mix Asphalt Binder and Surface Course (D-1)

Effective: November 1, 2019
 Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0;	CA 11 ^{1/}

1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

- 1/ Based on percent of total aggregate weight.
- 2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.
- 3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.
- 4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.
- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing.”

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		

IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone”

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steal slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“ If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/ 4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

“4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver.”

Add the following after the fourth paragraph of Article 406.13 (b):

“The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design’s G_{mb}.”

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

"A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

6. Maintenance of Existing Traffic Signal and Flashing Beacon Installation (D-1)

Effective: May 22, 2002

Revised: July 1, 2015

850.01TS

General.

1. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the Contract or any portion thereof. If Contract work is started prior to a traffic signal inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection.
2. The Contractor shall have electricians with IMSA Level II certification on staff to provide signal maintenance. A copy of the certification shall be immediately available upon request of the Engineer.
3. This item shall include maintenance of all traffic signal equipment and other connected and related equipment such as flashing beacons, emergency vehicle pre-emption equipment, master controllers, uninterruptable power supply (UPS and batteries), PTZ cameras, vehicle detection, handholes, lighted signs, telephone service installations, communication cables, conduits to adjacent intersections, and other traffic signal equipment.
4. Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers, radios and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.
5. Maintenance shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment. This equipment is operated and maintained by the local municipality and should be de-activated while on contractor maintenance.
6. The energy charges for the operation of the traffic signal installation shall be paid for by the Contractor.

Maintenance.

1. The Contractor shall check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to ensure that they are functioning properly. The Contractor shall check signal system communications and phone lines to assure proper operation. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. The Contractor shall maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs. Prior to the traffic signal maintenance transfer, the contractor shall supply a detailed maintenance schedule that includes dates, locations, names of electricians providing the required checks and inspections along with any other information requested by the Engineer.
2. The Contractor is advised that the existing and/or span wire traffic signal installation must remain in operation during all construction stages, except for the most essential down time. Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

3. The Contractor shall provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor shall be required to place stop signs (R1-1-36) at each approach of the intersection as a temporary means of regulating traffic. When the signals operate in flash, the Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of stop signs as specified herein. The Contractor shall maintain a sufficient number of spare stop signs in stock at all times to replace stop signs which may be damaged or stolen.
4. The Contractor shall provide the Engineer with 2 (two) 24 hour telephone numbers for the maintenance of the traffic signal installation and for emergency calls by the Engineer.
5. Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.
6. The Contractor shall respond to all emergency calls from the Department or others within one (1) hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the contract. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's Electrical Maintenance Contractor perform the maintenance work. The Contractor shall be responsible for all of the State's Electrical Maintenance Contractor's costs and liquidated damages of \$1000 per day per occurrence. The State's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.
7. Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.
8. Equipment included in this item that is damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices outside the controller cabinet shall not be allowed.
9. Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.
10. The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display or access to traffic signal equipment.
11. The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries. Temporary power to critical locations shall not be paid for separately but shall be included in the contract.

12. Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

Basis of Payment.

This work will be paid for at the contract unit price per each for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION. Each intersection will be paid for separately. Maintenance of a standalone and or not connected flashing beacon shall be paid for at the contract unit price for MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION. Each flashing beacon will be paid for separately.

7. Temporary Information Signing

Effective: November 13, 1996

Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	<u>Item</u>	<u>Article/Section</u>
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.

This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
<input type="checkbox"/>	Cores
<input checked="" type="checkbox"/>	Nuclear Density Gauge (Correlated when paving \geq 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

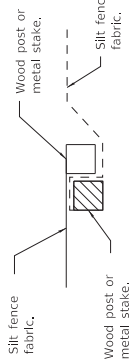
Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

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3. 424001-11 Perpendicular Curb Ramps For Sidewalks
4. 424006-05 Diagonal Curb Ramps For Sidewalks
5. 424011-04 Corner Parallel Curb Ramps For Sidewalks
6. 424016-05 Mid-Block Curb Ramps for Sidewalks
7. 424021-06 Depressed Corner For Sidewalks
8. 442101-09 Class B Patches
9. 442201-03 Class C and D Patches
10. 602001-02 Catch Basin Type A
11. 602011-02 Catch Basin Type C
12. 602301-04 Inlet – Type A
13. 602411-09 Precast Manhole Type A 7' Diameter
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15. 602421-09 Precast Manhole Type A 9' Diameter
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22. 701001-02 Off-Road Operations, 2L, 2W, More Than 15' Away
23. 701006-05 Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge
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30. 701611-01 Urban Half Road Closure, Multilane, 2W With Mountable Median
31. 701701-10 Urban Lane Closure, Multilane Intersection
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33. 701901-08 Traffic Control Devices
34. IDOT District One Highway Standard – BD-08 Frames and Lids Adjustment With Milling
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37. IDOT District One Highway Standard – TC-10 Traffic Control and Protection For Side Roads, Intersections, and Driveways

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41. Example Pay Estimate – Clarifying Statement Letter
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49. IEPA Uncontaminated Soil Certification LPC- 663
50. Cook County Prevailing Wage Rates
51. Lake County Prevailing Wage Rates



STEP 1
Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 2

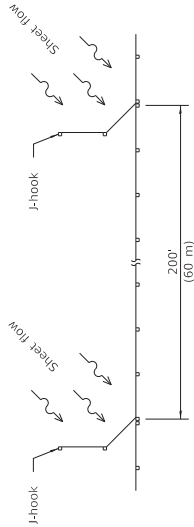


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

STEP 3

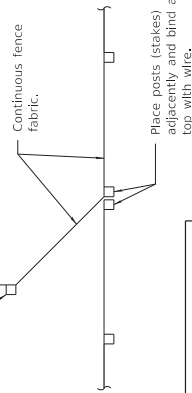
ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)

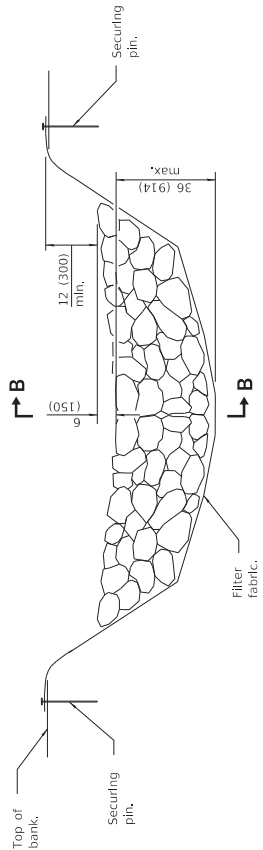


SILT FILTER J-HOOK PLACEMENT

Wood post or metal stake (typical).

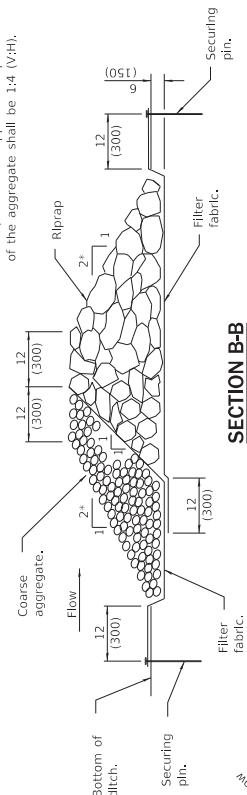


J-HOOK



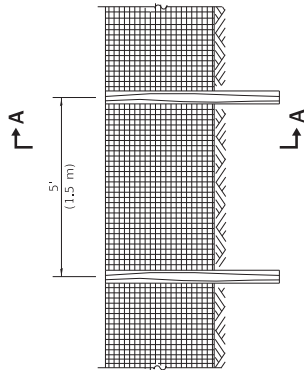
ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



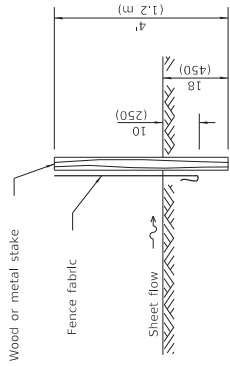
SECTION B-B

AGGREGATE DITCH CHECK

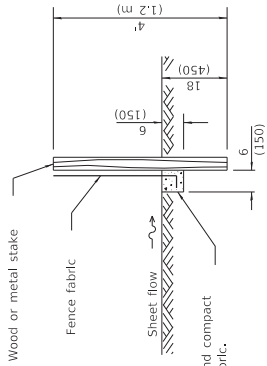


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

Excavate, backfill and compact trench to secure fabric.

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-13	Corrected notation for flowline (F) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

TEMPORARY EROSION CONTROL SYSTEMS

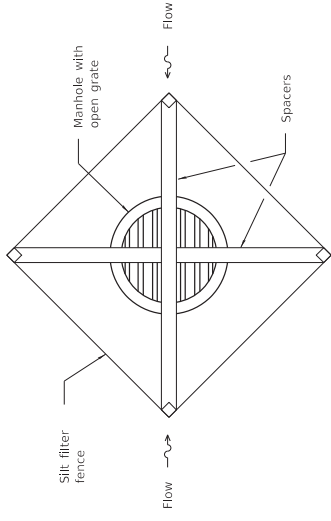
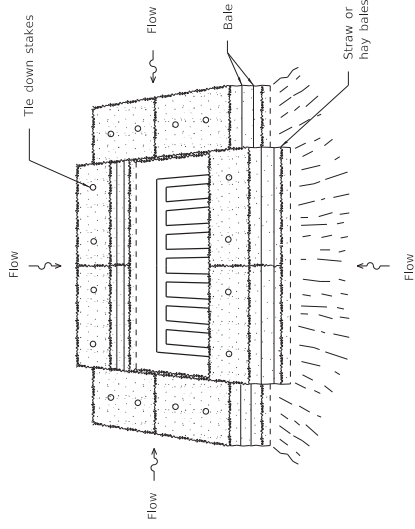
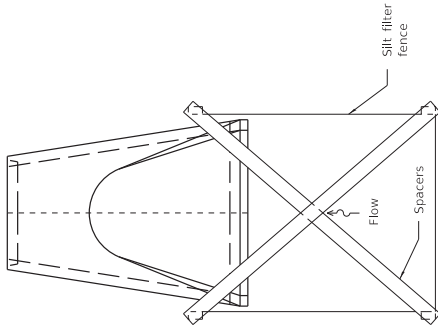
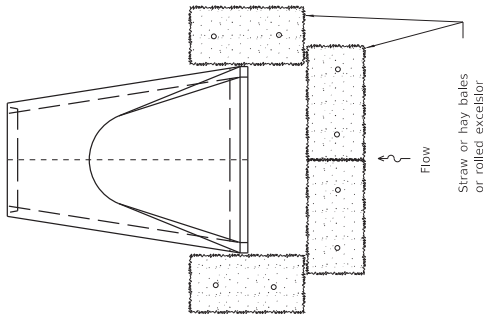
(Sheet 1 of 2)

STANDARD 280001-07

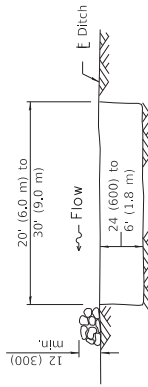
Illinois Department of Transportation

PASSED
January 1, 2013
Michael Bond
ENGINEER OF POLICY AND PROCEDURES
APPROVED
January 1, 2013
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

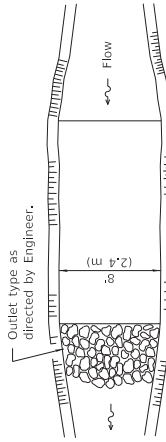


INLET AND PIPE PROTECTION



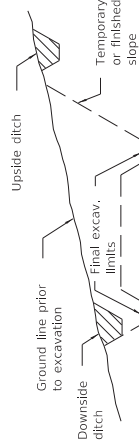
The performance of the basin will improve if put into a series.

ELEVATION

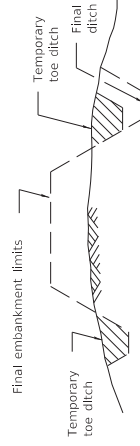


The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

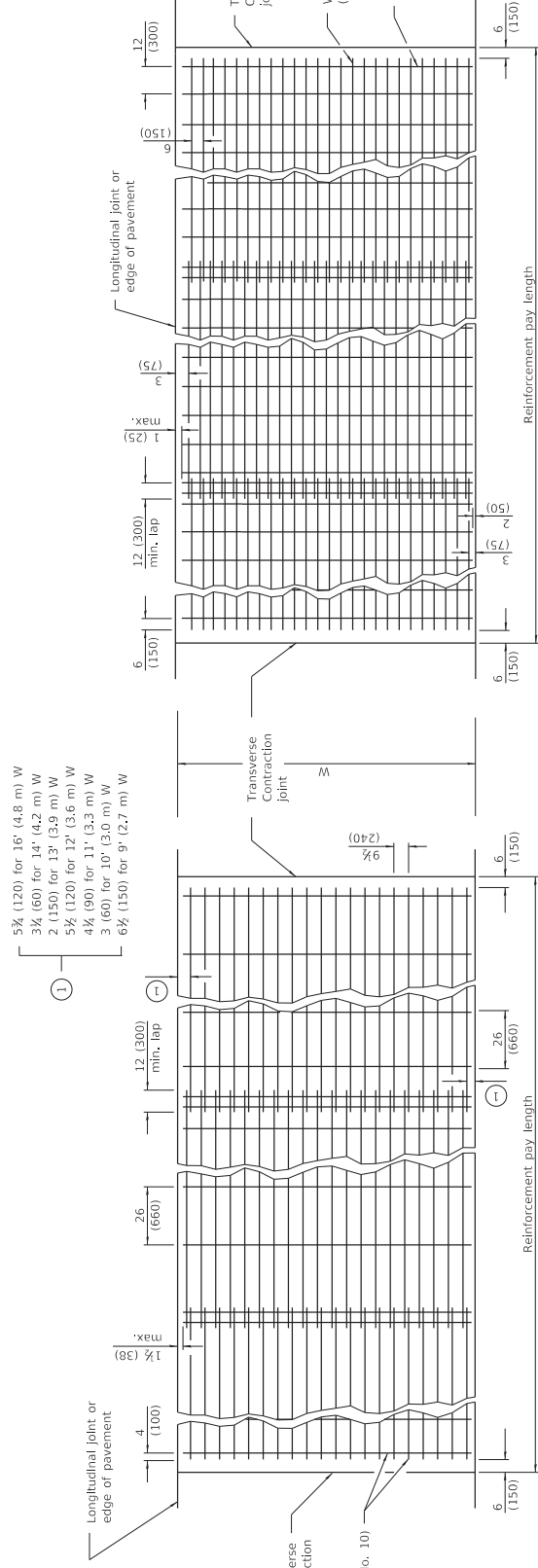
SEDIMENT BASIN

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation PASSED <i>Michael Bond</i> ENGINEER OF POLICY AND PROCEDURES APPROVED ISSUED 1-1-07	January 1, 2013 ISSUED 1-1-07
	January 1, 2013 ENGINEER OF DESIGN AND ENVIRONMENT

TEMPORARY EROSION CONTROL SYSTEMS
(Sheet 2 of 2)

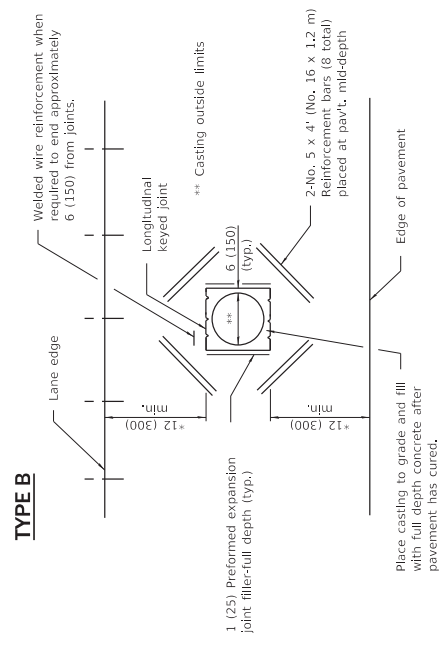
STANDARD 280001-07



Approximately 63 lbs./100 sq. ft. (3.07 kg/m²)

When clipped bar mats are used, each bar intersection shall be clipped with W1.7 (3.74) wire.

TYPE B



TYPE A

Approximately 63 lbs./100 sq. ft. (3.07 kg/m²)

When clipped bar mats are used, each bar intersection shall be clipped with W1.7 (3.74) wire.

* When the 12 (300) minimum cannot be achieved, the transverse joints shall be extended to either the longitudinal joint or edge of pavement.

GENERAL NOTES

- Pavement block-outs shall be at least 24 (600) from contraction joints.
- Welded wire reinforcement which is lapped longitudinally shall have a minimum lap of 6 (150).
- Welded wire reinforcement may be positioned with the transverse wires on top or bottom of the longitudinal wires.
- All dimensions are in inches (millimeters) unless otherwise shown.

PAVEMENT WELDED WIRE REINFORCEMENT	
DATE	REVISIONS
4-1-16	Changed terminology to "welded wire reinforcement".
	Renamed standard.
1-1-08	Switched units to English (metric).
	English (metric).

DETAIL OF ADDED REINFORCEMENT FOR PAVEMENT BLOCKS-OUTS

ILLINOIS Department of Transportation

PASSED APRIL 1, 2016

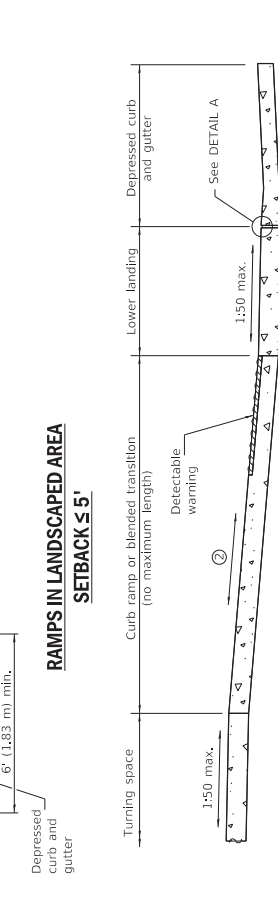
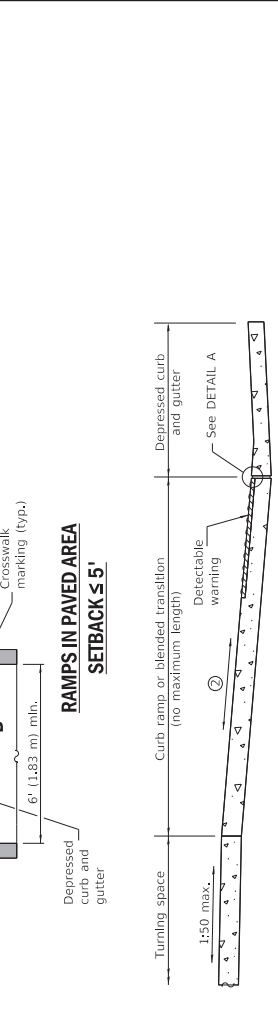
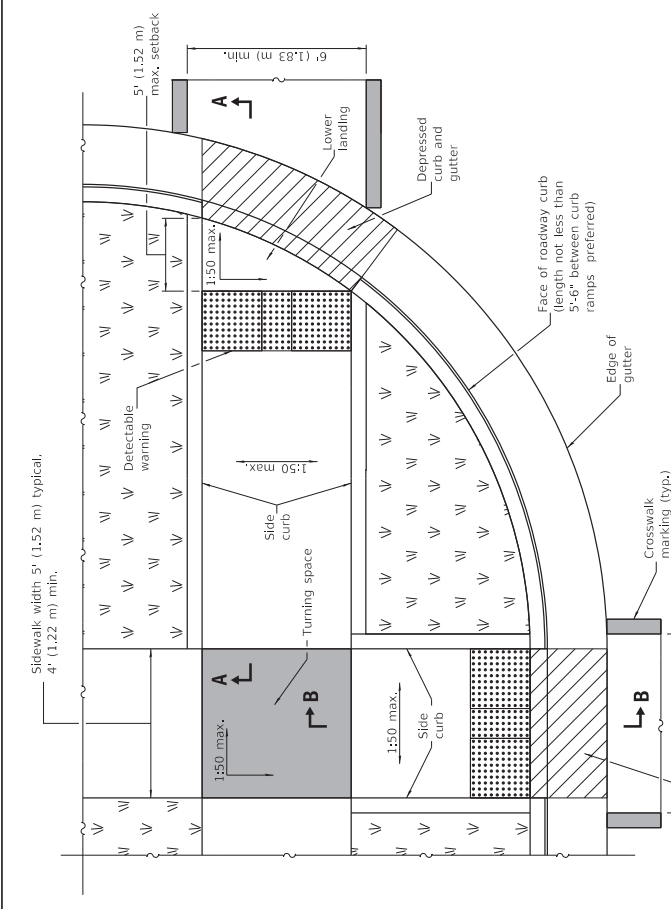
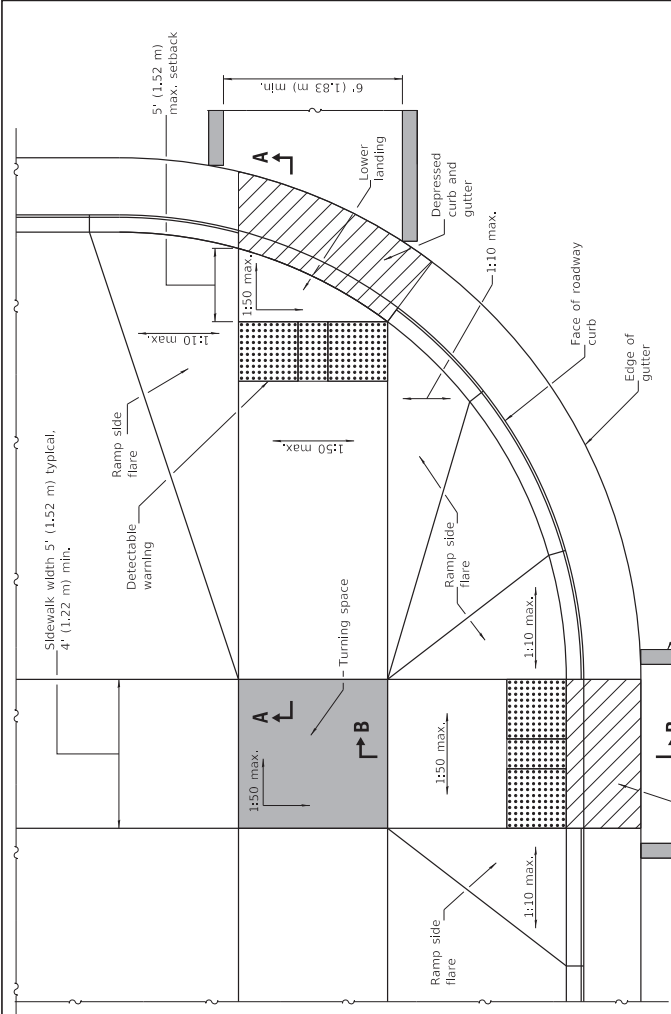
APPROVED APRIL 1, 2016

ENGINEER OF POLICY AND PROCEDURES

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

STANDARD 420701-03



**RAMPS IN LANSCAPED AREA
SETBACK ≤ 5'**

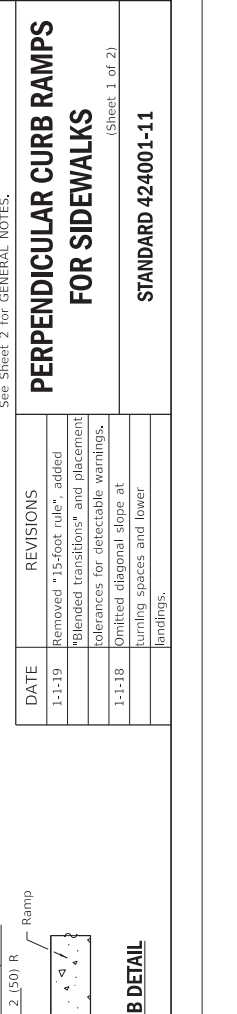
② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

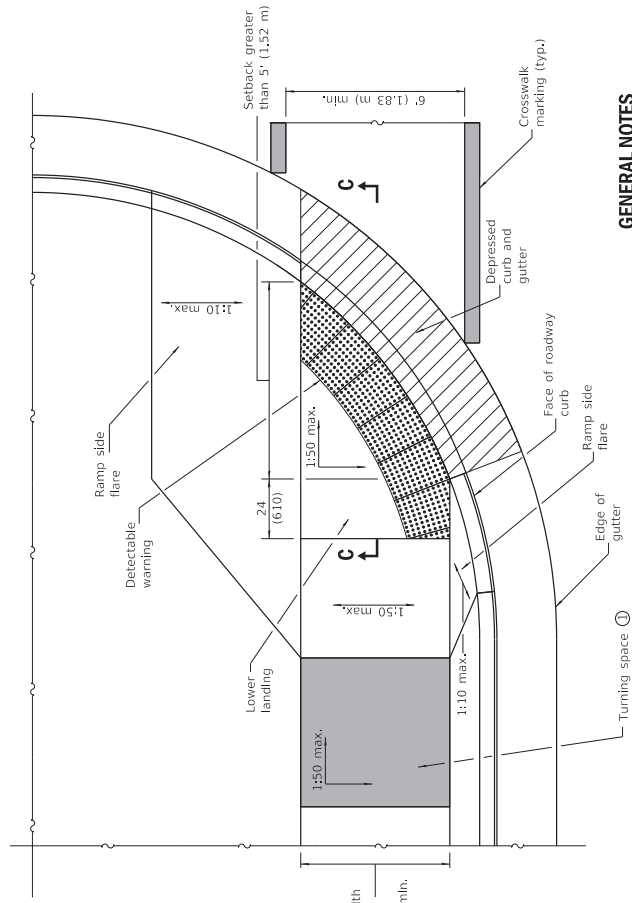


DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.

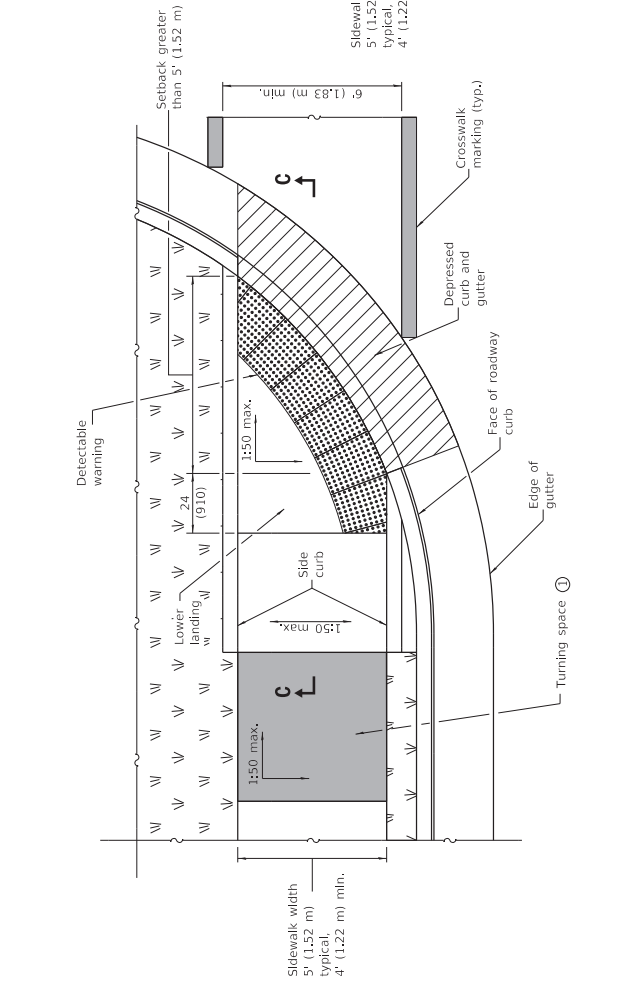
See Sheet 2 for GENERAL NOTES.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS (Sheet 1 of 2)

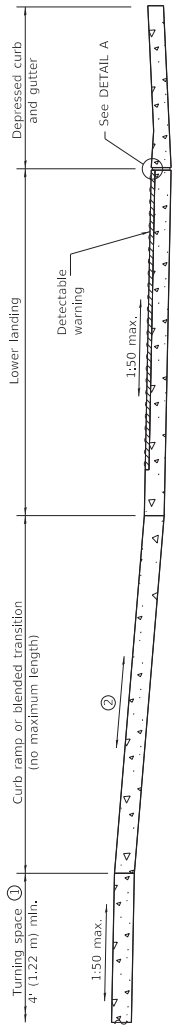
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PASSED: January 1, 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT



RAMP IN LANDSCAPED AREA
SETBACK > 5'



RAMP IN PAVED AREA
SETBACK > 5'



SECTION C-C

- ① This turning space not required for blended transitions.
- ② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V/H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

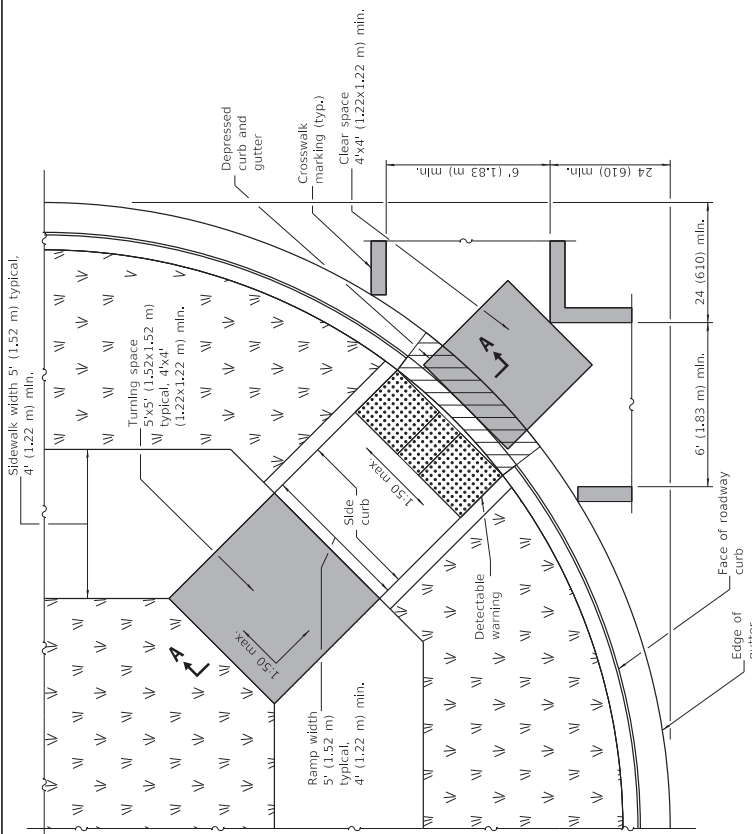
See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

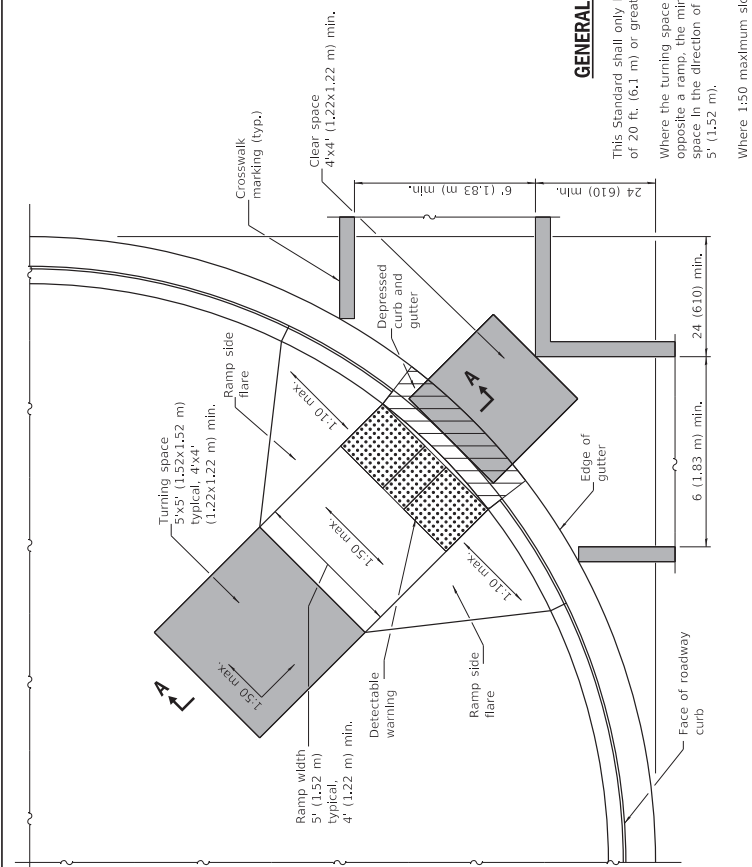
PERPENDICULAR CURB RAMPS FOR SIDEWALKS
(Sheet 2 of 2)

STANDARD 424001-11

Illinois Department of Transportation
 PASSED BY: *[Signature]* JANUARY 1, 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED BY: *[Signature]* JANUARY 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT



RAMP IN LANDSCAPED AREA



RAMP IN PAVED AREA

GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

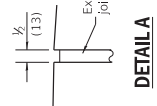
Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

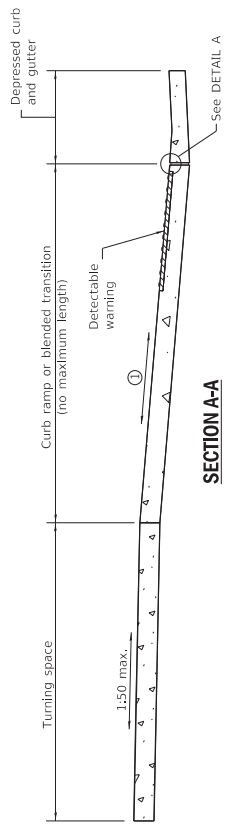
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

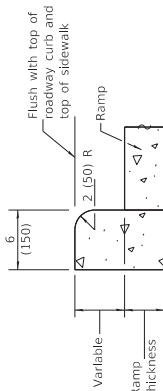


DETAIL A



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SIDE CURB DETAIL

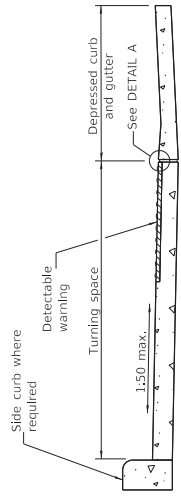
Illinois Department of Transportation
 PASSED: [Signature] January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] January 1, 2021
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-21	Clarified minimum crosswalk width and locations.
1-1-19	Removed "15-foot rule", added "blended transitions", and placement tolerances for detectable warnings.

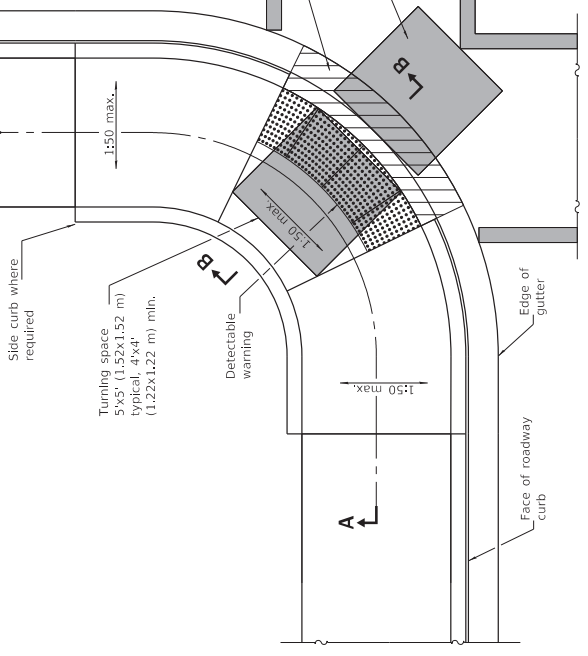
DIAGONAL CURB RAMPS FOR SIDEWALKS

STANDARD 424006-05

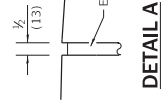
Sidewalk width $\geq 7'$ (2.13 m)
 Typical, pedestrian access
 route width 4' (1.22 m) min.



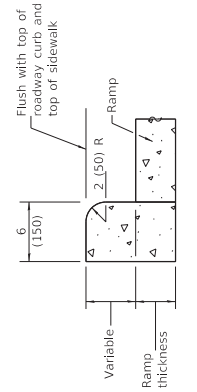
SECTION B-B



CORNER PARALLEL CURB RAMP



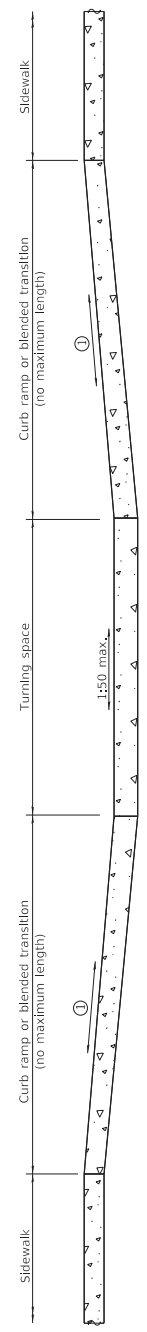
DETAIL A



SIDE CURB DETAIL

GENERAL NOTES

- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V/H).
- Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-on shall be 5' (1.52 m).
- Where 1:50 maximum slope is shown, 1:64 is preferred.
- Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.
 - Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared slides) but a border along each side up to 2 in. (50 mm) in width is allowed.
 - Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min, and 1:12 max. The running slope of a blended transition shall be 1:20 max.

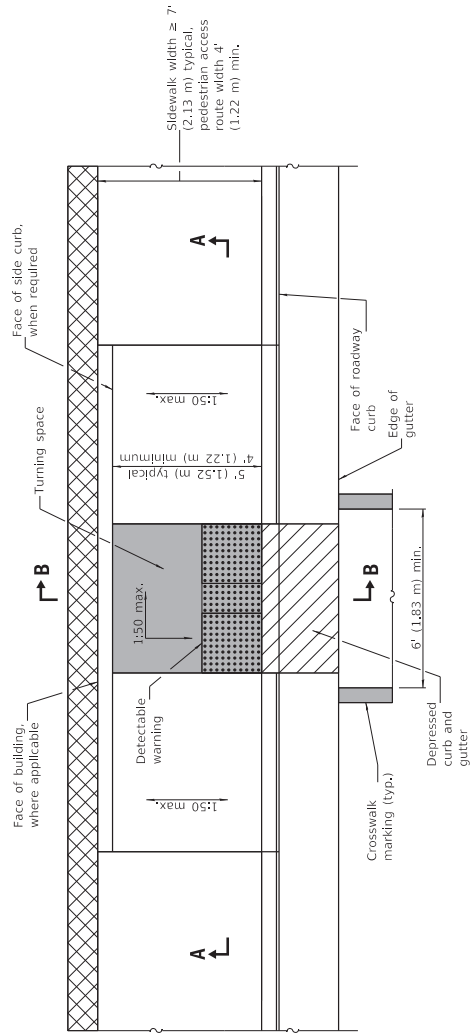
DATE	REVISIONS
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.
1-1-17	Revised sidewalk width to include 24 (610) buffer behind curb.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

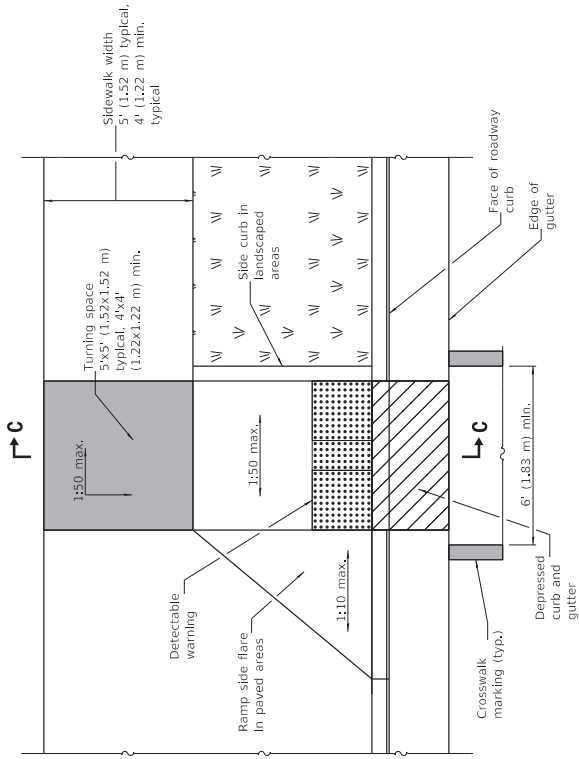
STANDARD 424011-04

Illinois Department of Transportation
 PASSED: 1/11/19 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

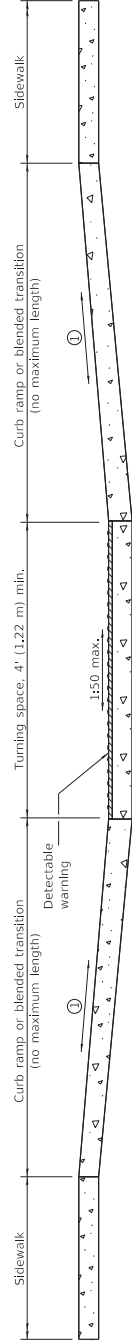
ISSUED 1-1-12



PARALLEL MID-BLOCK CURB RAMP

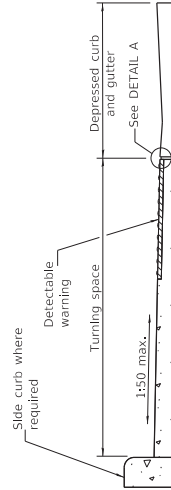


PERPENDICULAR MID-BLOCK CURB RAMP

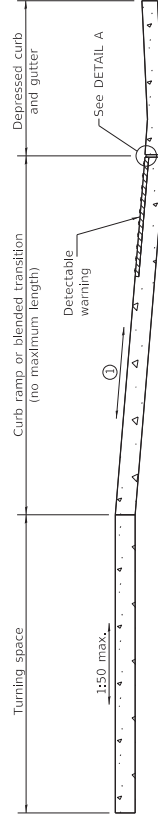


SECTION A-A

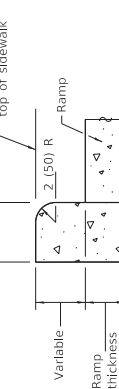
① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



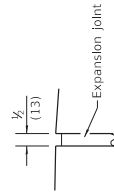
SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared slides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

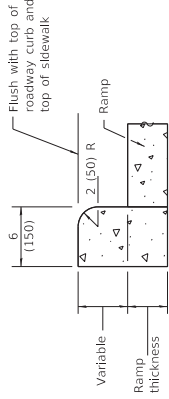
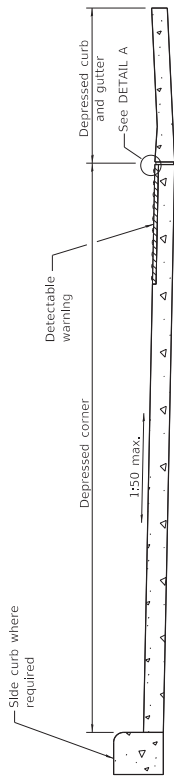
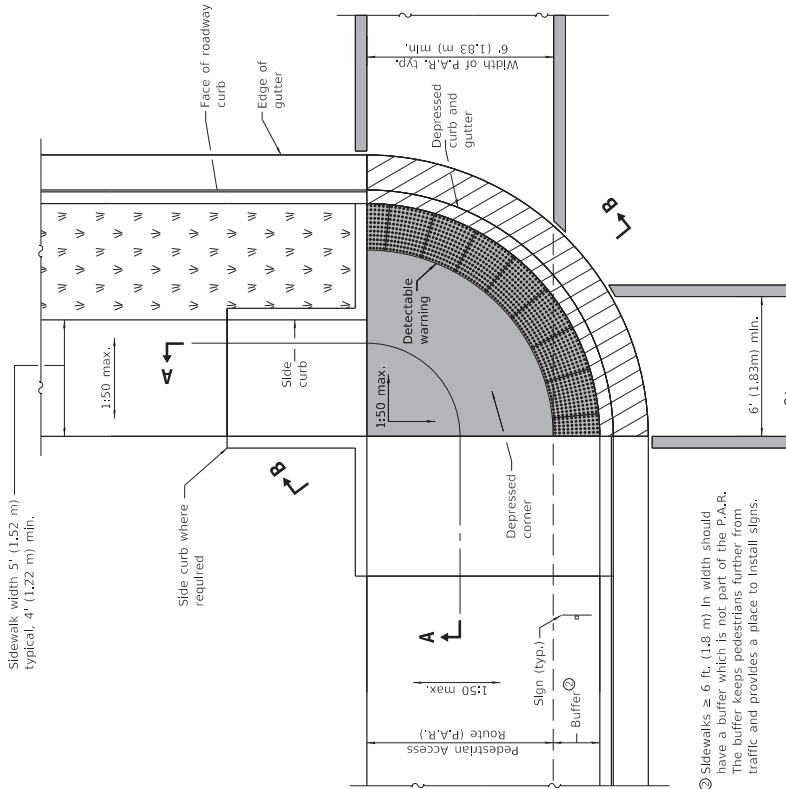
DATE	REVISIONS
1-1-19	Removed upper landing, added blended transitions and detectable warning tolerances.
1-1-18	Omitted diagonal slope at turning spaces and upper landings.

MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-05

PASSED: *[Signature]* January 1, 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: *[Signature]* January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12



DETAIL A

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DEPRESSED CORNER

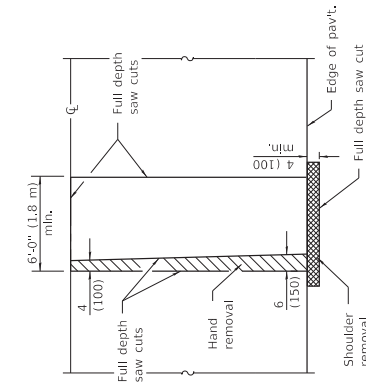


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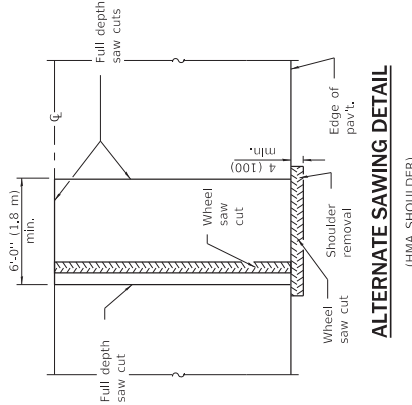
DATE	REVISIONS
1-1-21	Added crosswalk striping and a "buffer" for wide sidewalks.
1-1-19	Removed upper landings; added blended transition and detectable warning tolerances.

DEPRESSED CORNER FOR SIDEWALKS

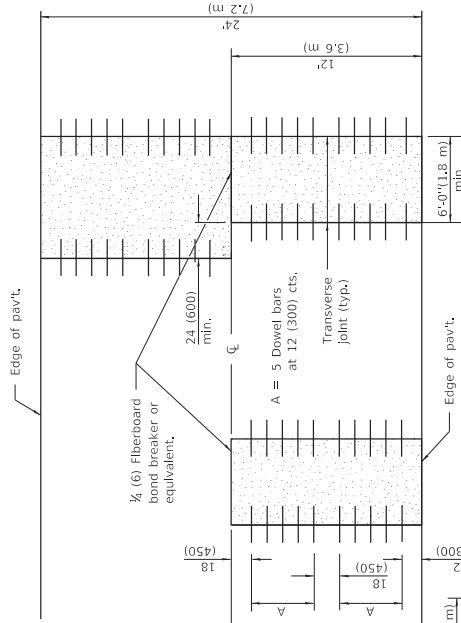
STANDARD 424021-06



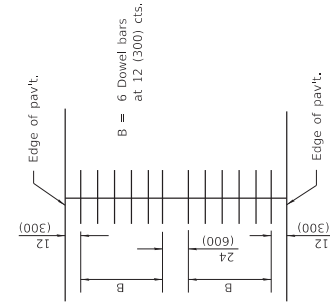
PAVEMENT SAWING DETAIL
(HMA SHOULDER)



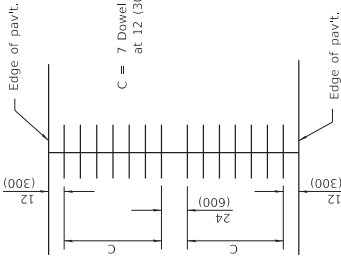
ALTERNATE SAWING DETAIL
(HMA SHOULDER)



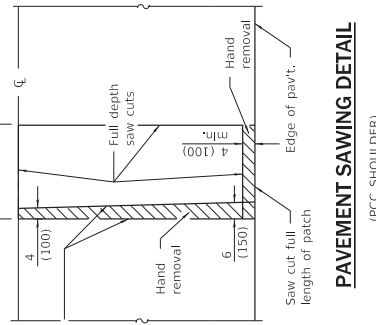
12' (3.6 m) WIDE LANES



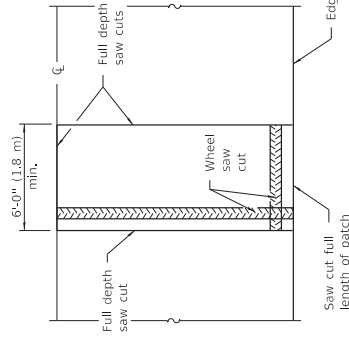
14' (4.2 m) WIDE RAMP



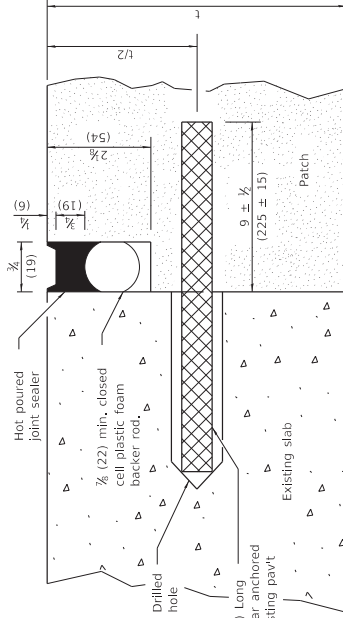
16' (4.8 m) WIDE RAMP



PAVEMENT SAWING DETAIL
(PCC SHOULDER)



ALTERNATE SAWING DETAIL
(PCC SHOULDER)



TRANSVERSE JOINT

DOWEL BAR TABLE	
PAVEMENT THICKNESS	DOWEL BAR DIAMETER
10 (250) or greater	1 1/2 (38)
8 (200) thru 9.99 (249)	1 1/4 (32)
Less than 8 (200)	1 (25)
	HOLE DIAMETER
	1 1/2 (41)
	1 1/4 (35)
	1 1/4 (29)

GENERAL NOTES

The transverse joints for Class B patches shall align with joints or cracks in the adjacent lane whenever possible.

See Standard 420701 for details of welded wire reinforcement.

All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
DATE	REVISIONS
1-1-19	Revised reference to Standard 420701 in General Notes.
1-1-18	Revised DOWEL BAR TABLE.

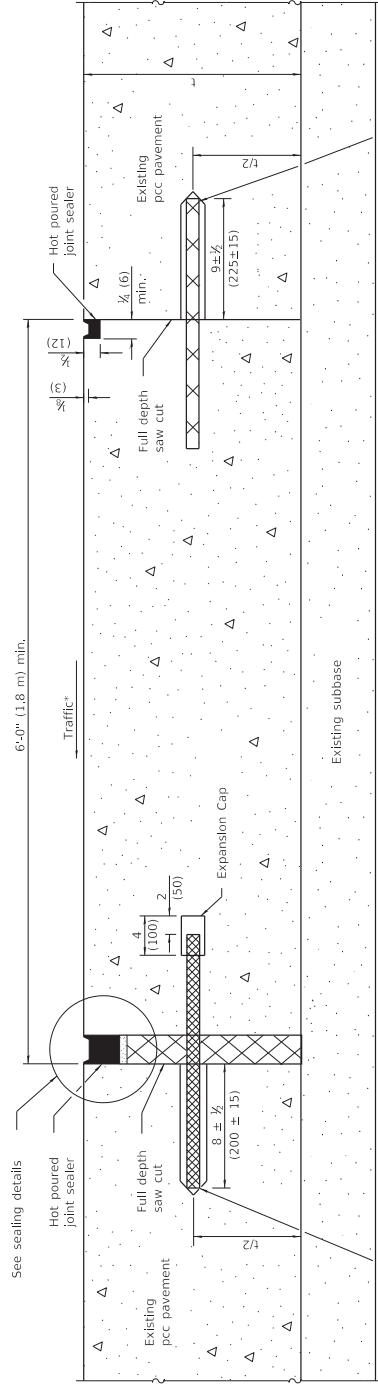
CLASS B PATCHES

(Sheet 1 of 2)

STANDARD 442101-09

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 APPROVED: *[Signature]* January 1, 2019
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TRANSVERSE EXPANSION JOINTS



18 (450) Long dowel bars anchored into existing pavement at 12 (300) cts.

No. 10x18 (No. 32x450) Tie bars anchored into existing pavement at 12 (300) cts.

METHOD I
(Without Resurfacing)

6'-0" (1.8 m) min.

Traffic

Existing subbase

See sealing details

Hot poured joint sealer

Existing pcc pavement

Full depth saw cut

Expansion Cap

2 (50)

4 (100)

8 ± 1/2 (200 ± 15)

2 (50)

Full depth saw cut

Hot poured joint sealer

1/2 (6) min.

Full depth saw cut

Existing pcc pavement

9 ± 1/2 (225 ± 15)

2 (50)

Hot poured joint sealer

2 (50)

Hot poured joint sealer

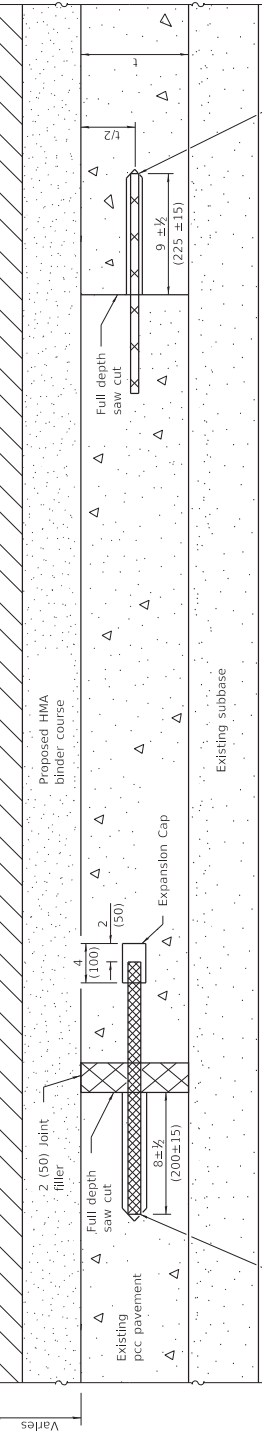
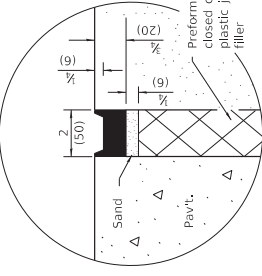
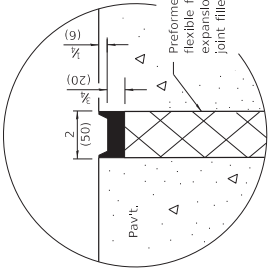
Existing pcc pavement

9 ± 1/2 (225 ± 15)

2 (50)

Hot poured joint sealer

SEALING DETAIL



18 (450) Long dowel bars anchored into existing pavement at 12 (300) cts.

No. 10x18 (No. 32x450) Tie bars anchored into existing pavement at 12 (300) cts.

METHOD II
(With Resurfacing)

6'-0" (1.8 m) min.

Traffic

Existing subbase

See sealing details

2 (50) joint filler

Existing pcc pavement

Full depth saw cut

Expansion Cap

2 (50)

4 (100)

8 ± 1/2 (200 ± 15)

2 (50)

Full depth saw cut

Hot poured joint sealer

2 (50)

Hot poured joint sealer

Existing pcc pavement

9 ± 1/2 (225 ± 15)

2 (50)

Hot poured joint sealer

1/2 (6) min.

Full depth saw cut

Existing pcc pavement

9 ± 1/2 (225 ± 15)

2 (50)

Hot poured joint sealer

2 (50)

Hot poured joint sealer

Existing pcc pavement

9 ± 1/2 (225 ± 15)

2 (50)

Hot poured joint sealer

Varies

Proposed HMA binder course

Proposed HMA surface course

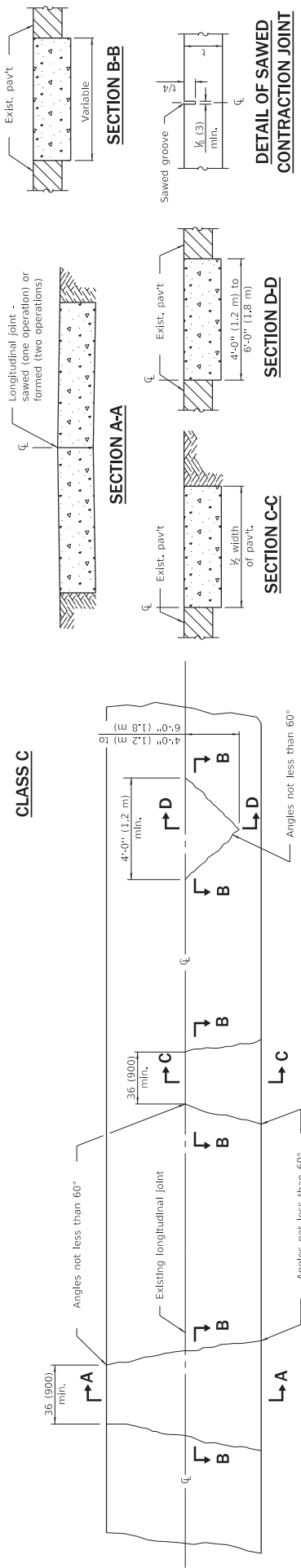
NOTE

* When re-establishing a transverse expansion joint on a two-lane, two-way road, reverse the orientation of the dowel bars with respect to traffic for one of the patches such that the joint will be continuous across both lanes.

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 APPROVED: January 1, 2019
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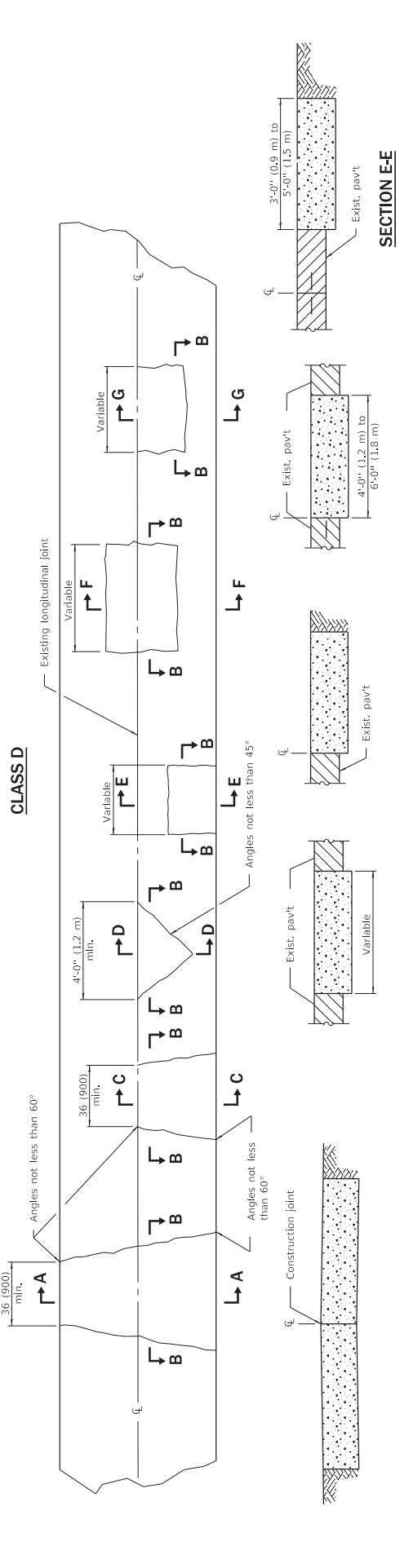
CLASS B PATCHES
 STANDARD 442101-09
 (Sheet 2 of 2)

CLASS C



Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

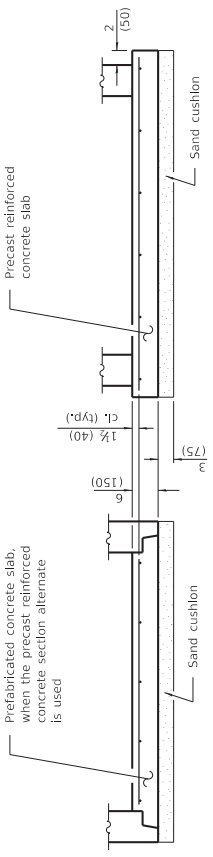


GENERAL NOTES
Existing tie bars shall be either cut or removed. Marginal bars shall be cut.
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

CLASS C and D PATCHES	
STANDARD 442201-03	

Illinois Department of Transportation
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 APPROVED January 1, 2008
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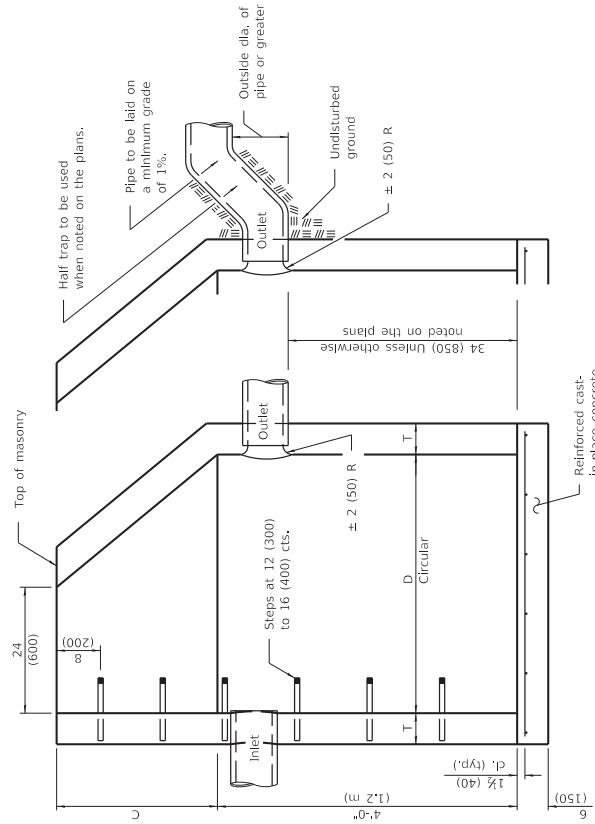


ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

ELEVATION (Half Trap)



ELEVATION (Standard Outlet)

GENERAL NOTES
Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

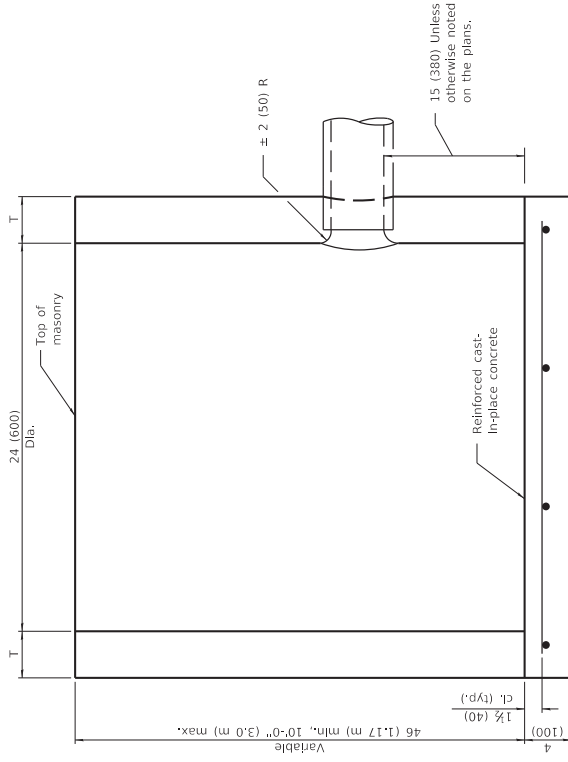
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
 PASSED January 1, 2011
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2011
Jeffrey S. [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap note. Detail reph. in slabs. Revised general notes.
1-1-09	Switched units to English (metric).

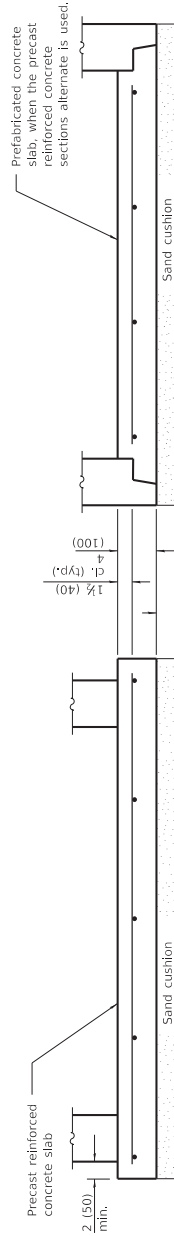
CATCH BASIN TYPE A

STANDARD 602001-02



ALTERNATE MATERIALS FOR WALLS	T (min)
Precast Reinforced Concrete Section	3 (75)
Concrete Masonry Unit	5 (125)
Cast-in-Place Concrete	6 (150)
Brick Masonry	8 (200)

ELEVATION



ALTERNATE BOTTOM SLAB

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.27 sq. in./ft. (570 sq. mm/m) in both directions with a maximum spacing of 9 (230).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

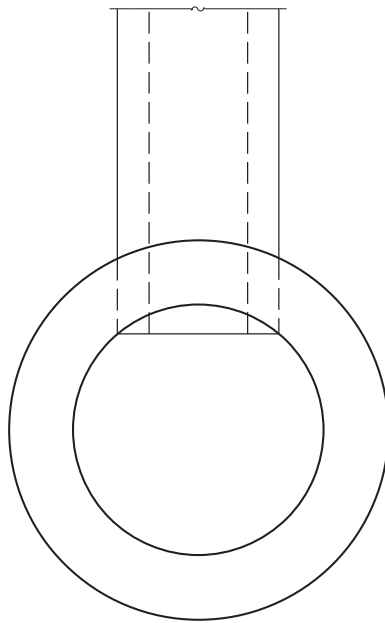
All dimensions are in inches (millimeters) unless otherwise shown.

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 Michael Bond
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 APPROVED January 1, 2011
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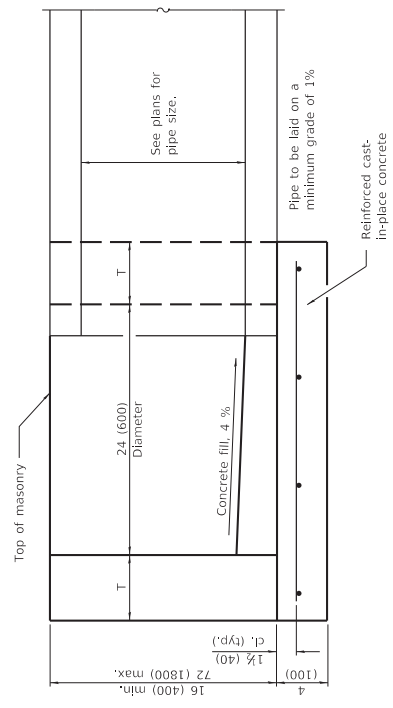
DATE	REVISIONS
1-1-11	Detailed reinf. in slabs.
	Added max. limit to height.
	Added general notes.
1-1-09	Switched units to English (metric).

CATCH BASIN TYPE C

STANDARD 602011-02

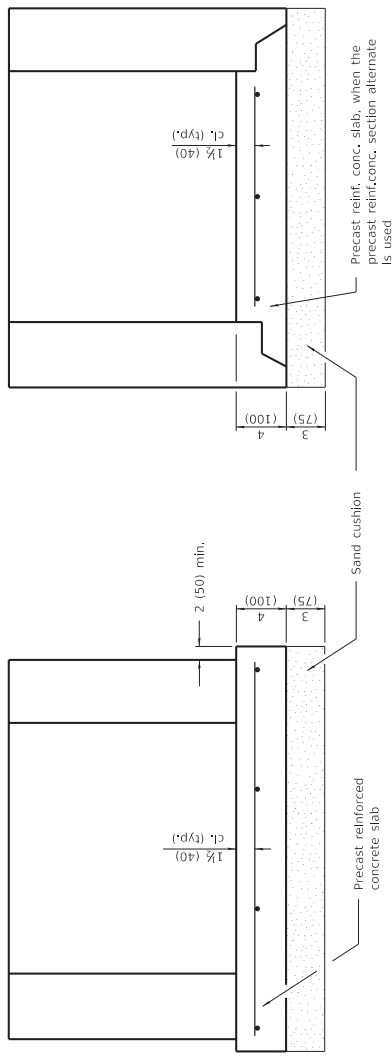


PLAN



ELEVATION

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

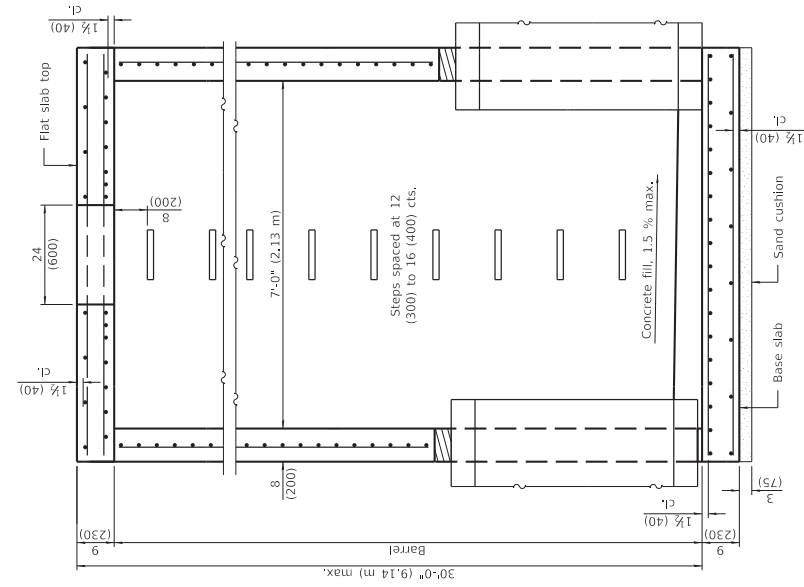
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed reinf. in slabs. Added max. limit to height.
	Added general notes.

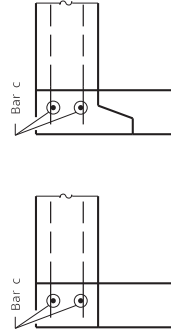
INLET - TYPE A

STANDARD 602301-04

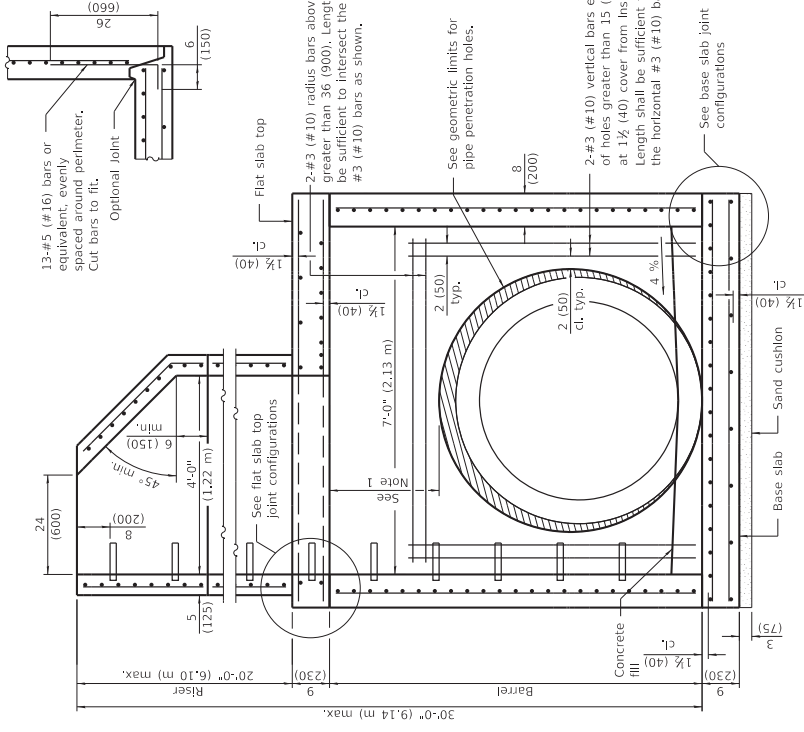
Illinois Department of Transportation
 PASSED January 1, 2014
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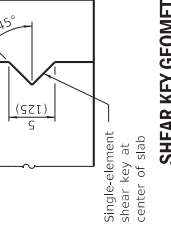
SECTION PARALLEL TO PIPE
(Without conical top riser)



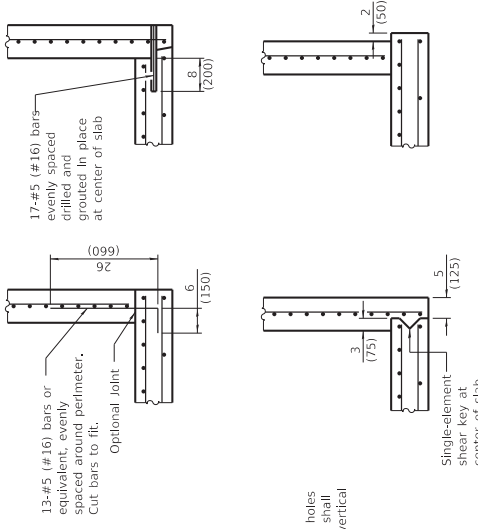
FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)



SECTION PERPENDICULAR TO PIPE
(With conical top riser)



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)



BASE SLAB JOINT CONFIGURATIONS

GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations.
See Standard 602701 for details of manhole steps.
All dimensions are in inches (millimeters) unless otherwise noted.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

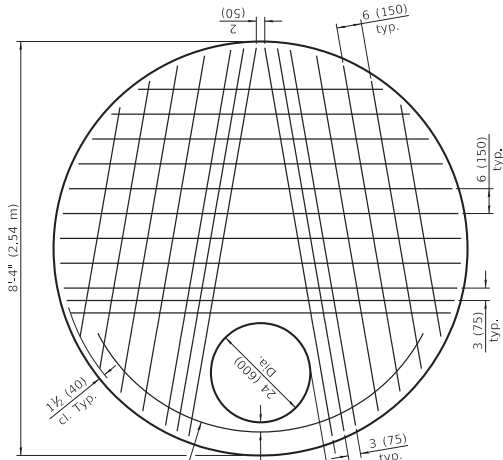
- Note 1: A minimum of 12 (300) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 36 (900).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

PRECAST MANHOLE TYPE A
7' (2.13 m) DIAMETER
(Sheet 1 of 3)

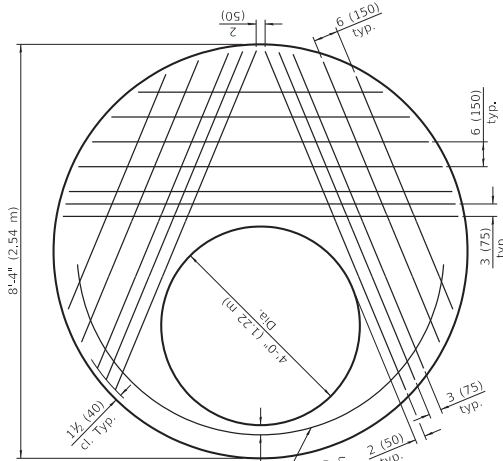
STANDARD 602411-09

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

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 APPROVED: January 1, 2021
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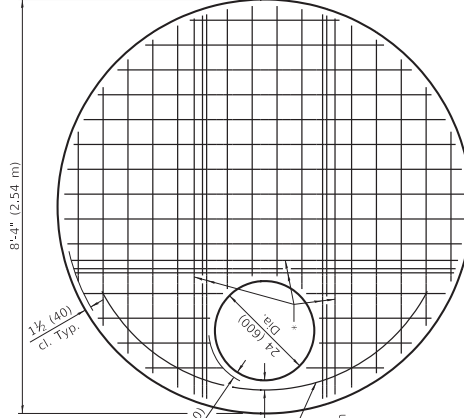
Bar c #5 (#16),
8'-2\"/>



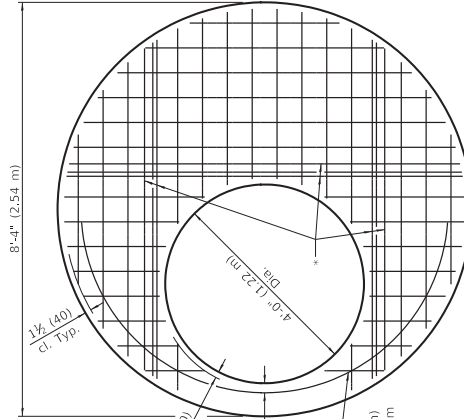
Bar c #5 (#16),
11'-2\"/>

PLAN - FLAT SLAB TOP

(Showing layout of bottom reinforcement bars and c bars)



Bar c #5 (#16),
8'-2\"/>



Bar c #5 (#16),
11'-2\"/>

* #5 (#16) bars bottom. Bundle first bar with closest WWR bar to the opening and place second bar ±3 (75) away.

PLAN - FLAT SLAB TOP
(Showing layout of Welded Wire Reinforcement and c bars)
WWR not permitted for riser heights > 10' (3.05 m).

PRECAST MANHOLE TYPE A
7' (2.13 m) DIAMETER

(Sheet 2 of 3)

STANDARD 602411-09

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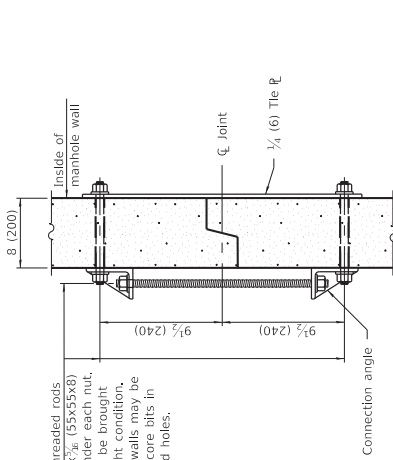
PASSED January 1, 2021

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 APPROVED January 1, 2021

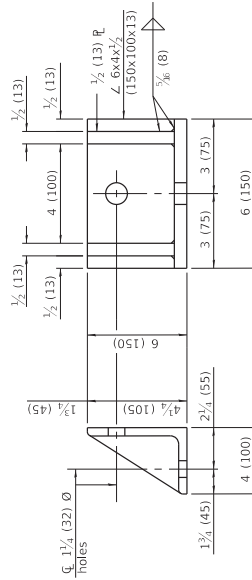
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-06

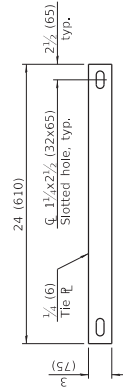
ϕ 1/2 (125) ϕ Threaded rods with 2" x 2" x 3/8" (53x53x8) ϕ washers under each nut. All nuts shall be brought to a snug tight condition. Holes in the walls may be drilled using core bits in lieu of formed holes.



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction)		Rebar (each direction except as noted)	
		As (min.)	Spacing (max.)	As (min.)	Spacing (max.)
Top Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (#10) (#13)
Bottom Mat	RH \leq 10 ft. (3.05 m)	** 0.62 sq. in./ft. (312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	
	RH > 10 ft. (3.05 m)	WWR not permitted		#7	#7 (#22)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		As (min.)	Spacing (max.)
4 ft. (1.22 m) ϕ Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
7 ft. (2.13 m) ϕ Barrel	Circumferential	0.21 sq. in./ft. (445 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction)	
		As (min.)	Spacing (max.)
Top Mat	RH \leq 10 ft. (3.05 m) & TH \leq 20 ft. (6.10 m)	0.32 sq. in./ft. (677 sq. mm/m)	6 (150)
	RH > 10 ft. (3.05 m) or TH > 20 ft. (6.10 m)	0.52 sq. in./ft. (1101 sq. mm/m)	6 (150)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

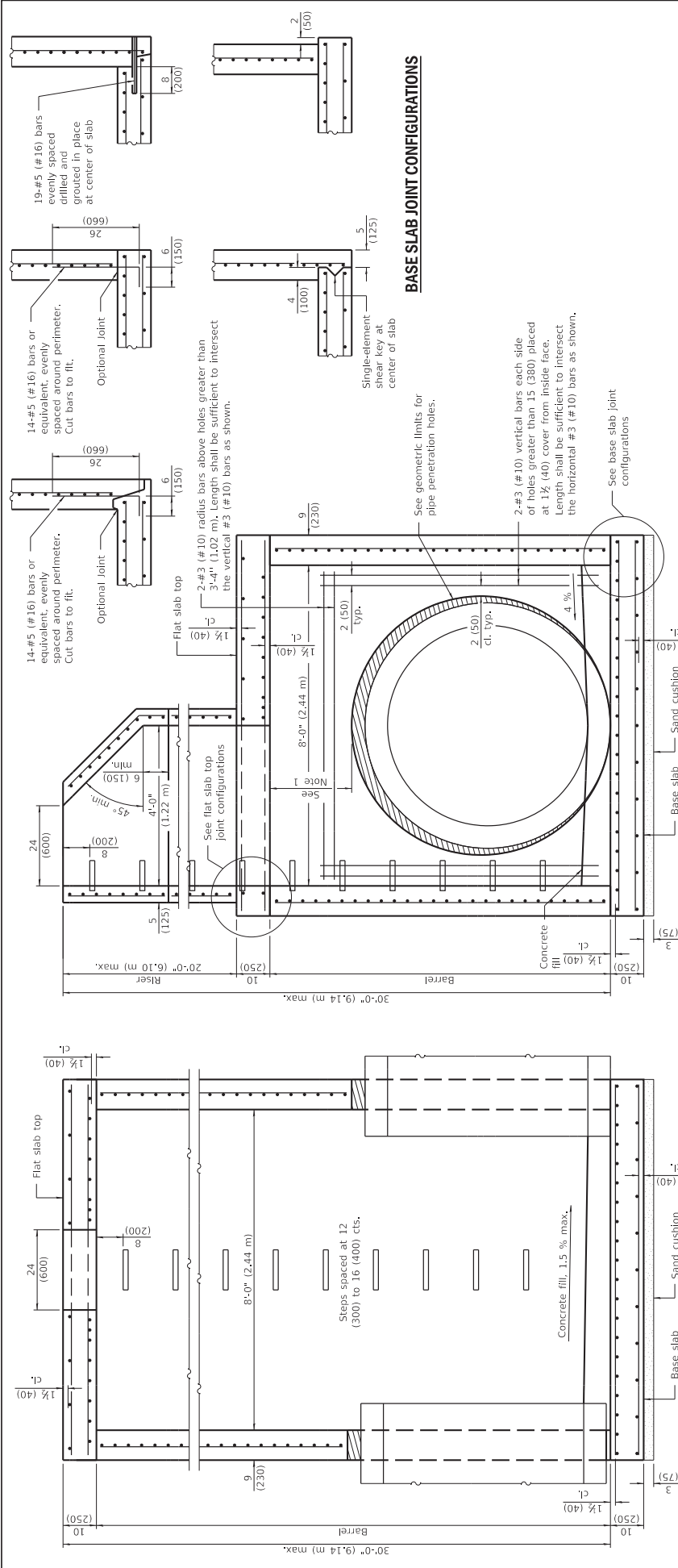
Illinois Department of Transportation
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 APPROVED January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-06

**PRECAST MANHOLE TYPE A
7' (2.13 m) DIAMETER**

(Sheet 3 of 3)

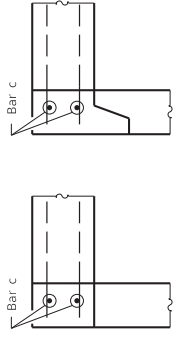
STANDARD 602411-09



SECTION PARALLEL TO PIPE
(Without conical top riser)

SECTION PERPENDICULAR TO PIPE
(With conical top riser)

See geometric limits for pipe penetration holes.



GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 12 (300) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 3'-4" (1.02 m).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

Illinois Department of Transportation

PASSED	JANUARY 1, 2021	ISSUED	4-1-06
APPROVED	JANUARY 1, 2021		

GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations.
See Standard 602701 for details of manhole steps.
All dimensions are in inches (millimeters) unless otherwise noted.

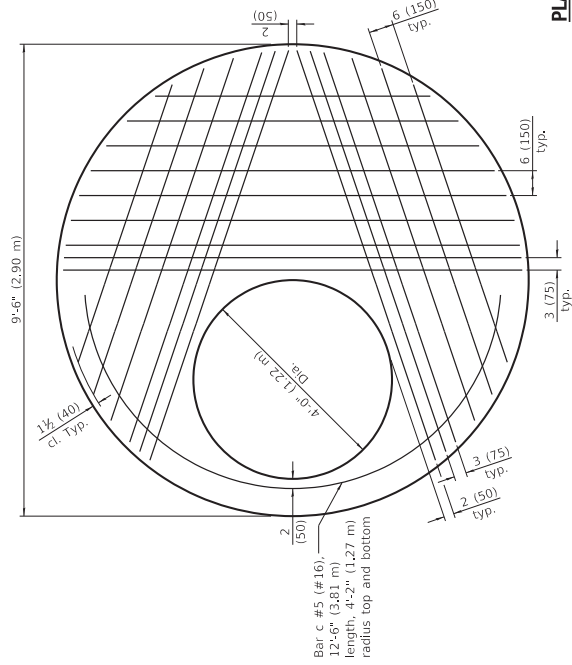
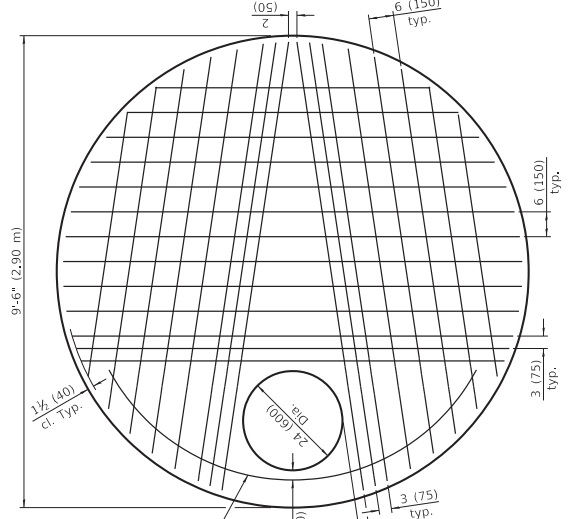
SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

Single-element shear key at center of slab

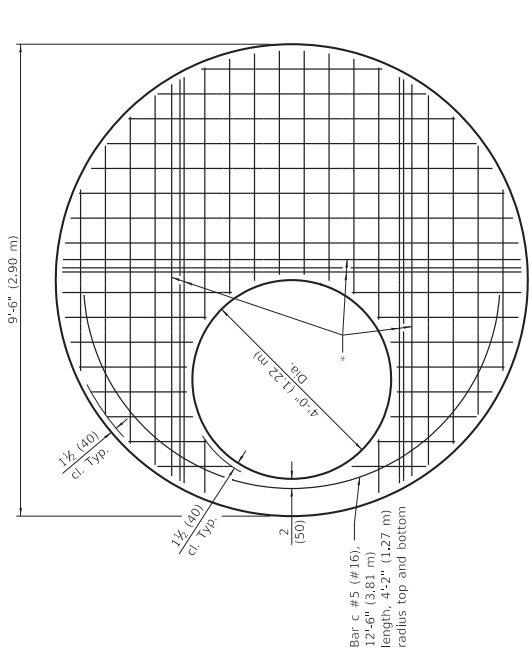
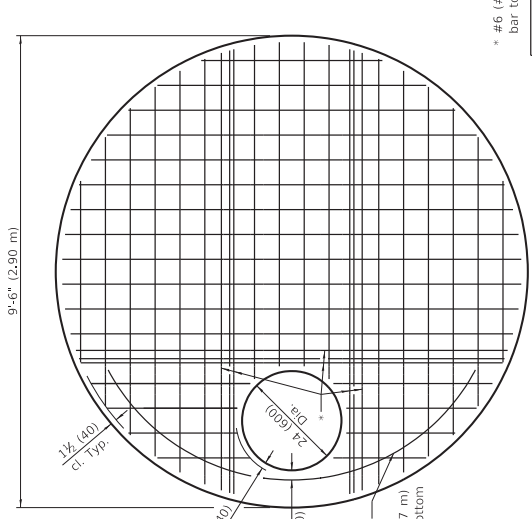
DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
8' (2.44 m) DIAMETER
(Sheet 1 of 3)

STANDARD 602416-09



PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



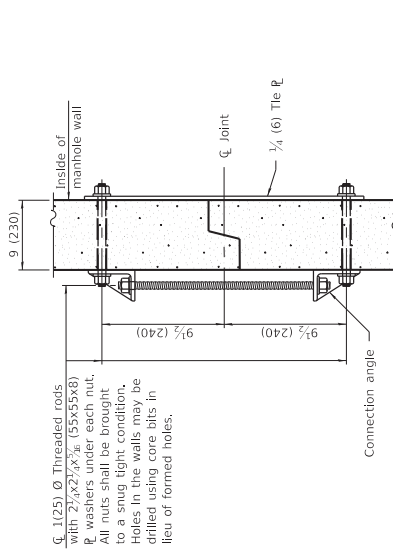
PLAN - FLAT SLAB TOP
(Showing layout of Welded Wire Reinforcement and c bars)
WWR not permitted for riser heights > 10' (3.05 m).

* #6 (#19) bars bottom, Bundle first bar with closest WWR bar to the opening and place second bar ±3 (75) away.

PRECAST MANHOLE TYPE A
8' (2.44 m) DIAMETER
(Sheet 2 of 3)

STANDARD 602416-09

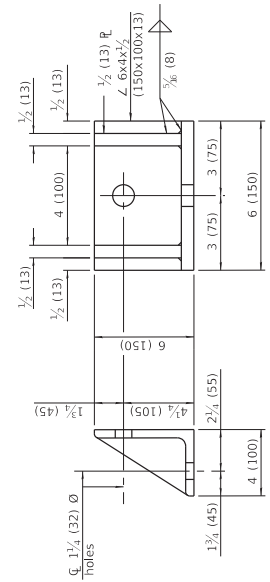
Illinois Department of Transportation PASSED ENGINEER OF POLICY AND PROCEDURES APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 4-1-06 JANUARY 1, 2021 JANUARY 1, 2021
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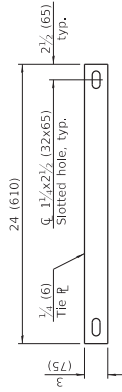
ϕ 1/2 (125) ϕ Threaded rods with 2" x 2 1/2" x 3/16" (53x55x8) ϕ washers under each nut. All nuts shall be brought to a snug tight condition. Holes in the walls may be drilled using core bits in lieu of formed holes.

Connection angle

Joint Splice



Connection Angle



Tie Plate

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction)		Rebar (each direction except as noted)	
		As (min.)	Spacing (max.)	As (min.)	Spacing (max.)
Top Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (#10) (#13)
Bottom Mat	RH \leq 10 ft. (3.05 m)	** 0.88 sq. in./ft. (1863 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	
	RH > 10 ft. (3.05 m)	WWR not permitted		#6 (#7)	#7 (#22)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

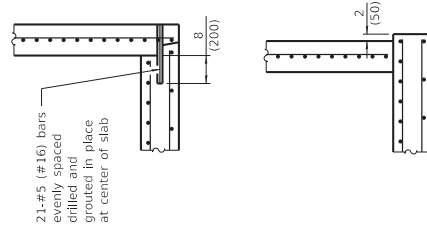
Location	Orientation	WWR or Rebar	
		As (min.)	Spacing (max.)
4 ft. (1.22 m) ϕ Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
8 ft. (2.44 m) ϕ Barrel	Circumferential	0.24 sq. in./ft. (508 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

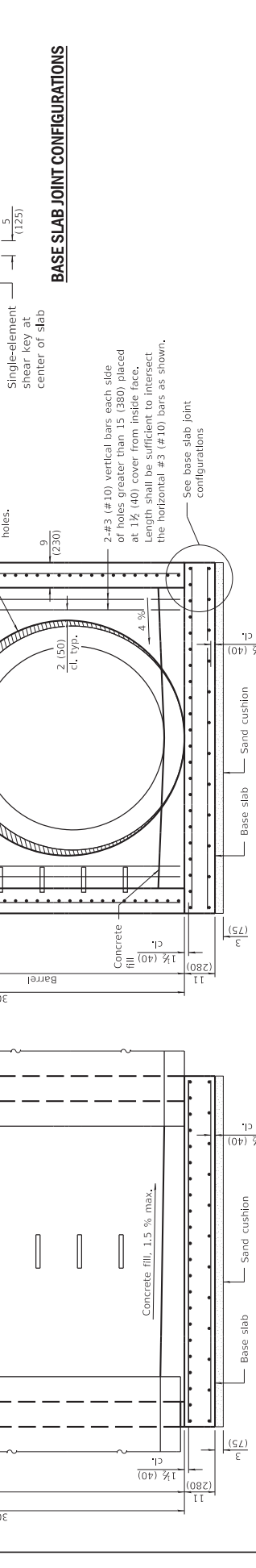
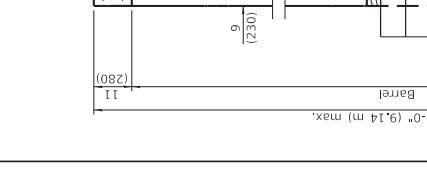
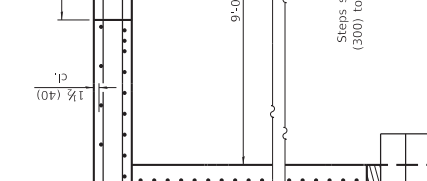
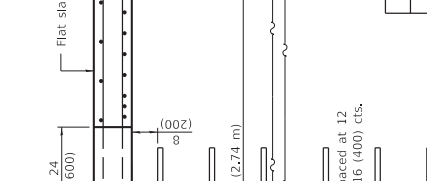
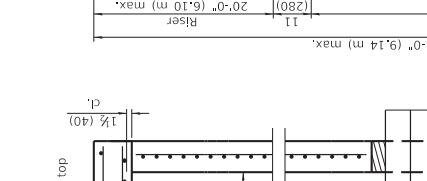
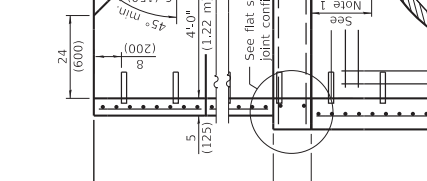
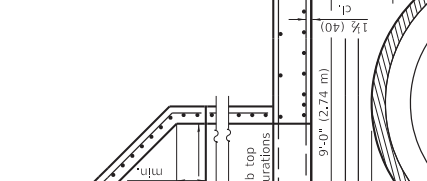
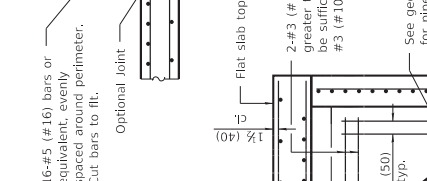
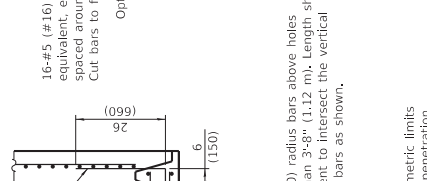
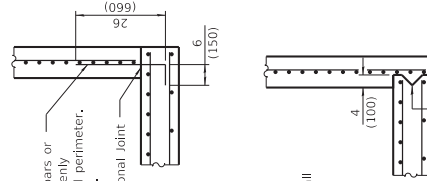
Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction)	
		As (min.)	Spacing (max.)
Top Mat	RH \leq 10 ft. (3.05 m) & TH \leq 20 ft. (6.10 m)	0.36 sq. in./ft. (762 sq. mm/m)	6 (150)
	RH > 10 ft. (3.05 m) or TH > 20 ft. (6.10 m)	0.60 sq. in./ft. (1270 sq. mm/m)	6 (150)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation
 PASSED January 1, 2021
 APPROVED January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 ENGINEER OF DESIGN AND ENVIRONMENT

PRECAST MANHOLE TYPE A
8' (2.44 m) DIAMETER
 (Sheet 3 of 3)
STANDARD 602416-09



BASE SLAB JOINT CONFIGURATIONS



SECTION PERPENDICULAR TO PIPE
(With conical top riser)

SECTION PARALLEL TO PIPE
(Without conical top riser)

GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 12 (300) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 3'-6" (1.12 m).
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)



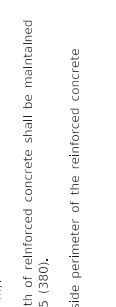
GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

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Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)



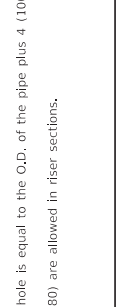
GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
Lifting holes shall be located in the sections as per the manufacturer's recommendations.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 12 (300) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 3'-6" (1.12 m).
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)



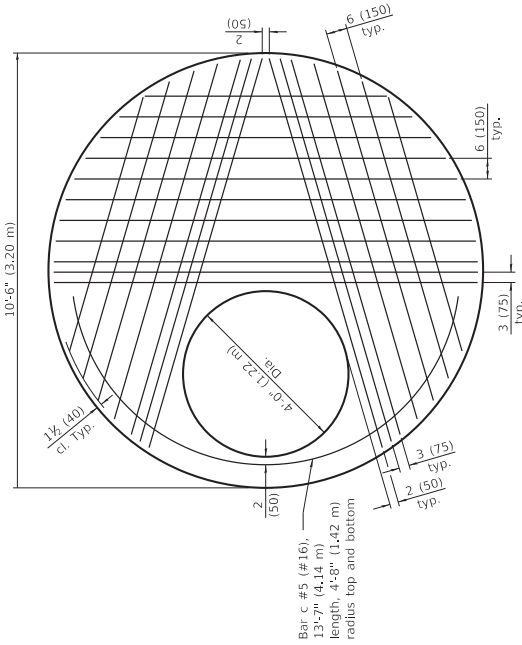
DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
9' (2.74 m) DIAMETER
(Sheet 1 of 3)

STANDARD 602421-09

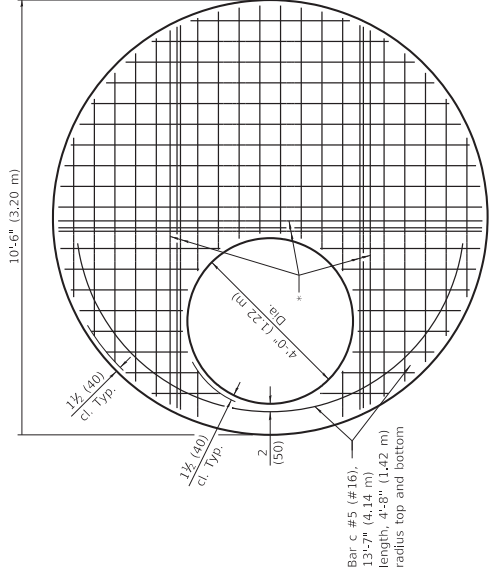
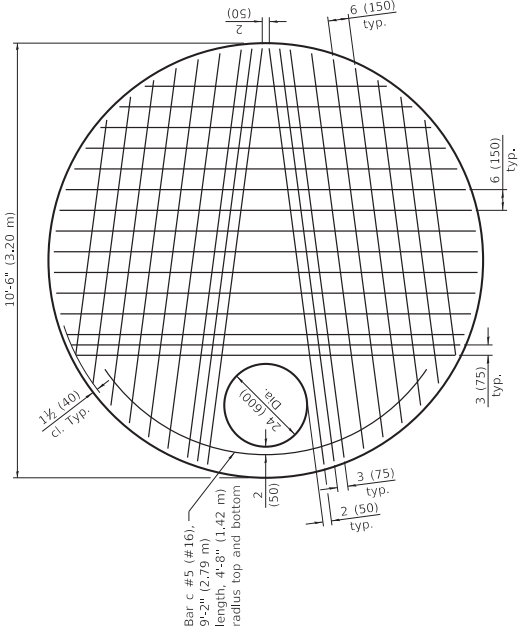
Illinois Department of Transportation
 PASSED: [Signature] January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] January 1, 2021
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-06



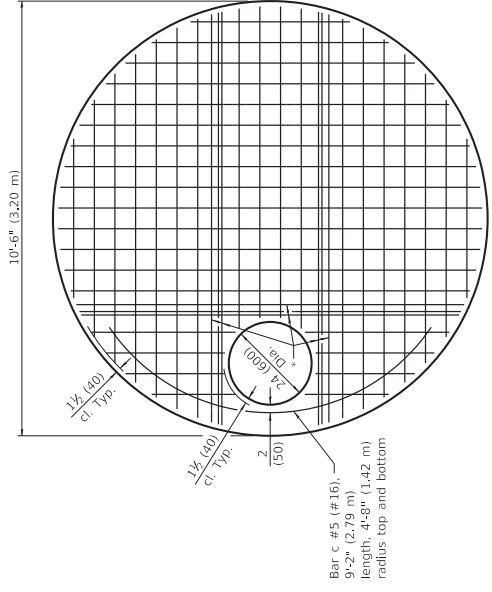
PLAN - FLAT SLAB TOP

(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars
WWR not permitted for riser heights > 10' (3.05 m).)



* #6 (#19) bars bottom. Bundle first bar with closest WWR bar to the opening and place second bar ±3 (75) away.

Illinois Department of Transportation
 PASSED January 1, 2021
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 APPROVED January 1, 2021
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PRECAST MANHOLE TYPE A
9' (2.74 m) DIAMETER

(Sheet 2 of 3)

STANDARD 602421-09

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction)		Rebar (each direction except as noted)	
		A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	RH ≤ 10 ft. (3.05 m) RH > 10 ft. (3.05 m)	** 0.86 sq. in./ft. (1863 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#6 (#19) #8 (#25)

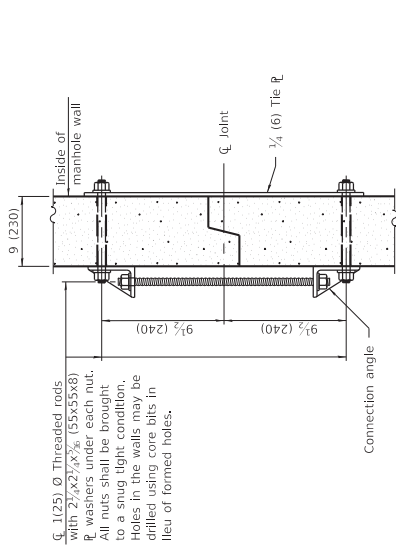
** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

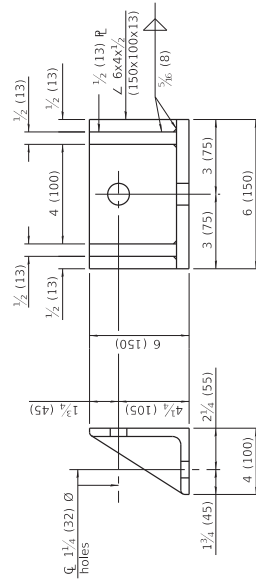
Location	Orientation	WWR or Rebar	
		A _s (min.)	Spacing (max.)
4 ft. (1.22 m) Ø Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
9 ft. (2.74 m) Ø Barrel	Circumferential	0.27 sq. in./ft. (572 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

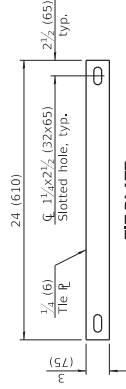
Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction)	
		A _s (min.)	Spacing (max.)
Top Mat	RH ≤ 10 ft. (3.05 m) & TH ≤ 20 ft. (6.10 m)	0.44 sq. in./ft. (931 sq. mm/m)	6 (150)
	RH > 10 ft. (3.05 m) or TH > 20 ft. (6.10 m)	0.72 sq. in./ft. (1524 sq. mm/m)	6 (150)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

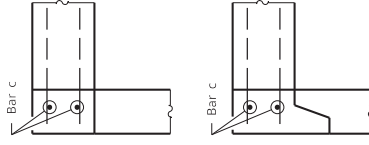
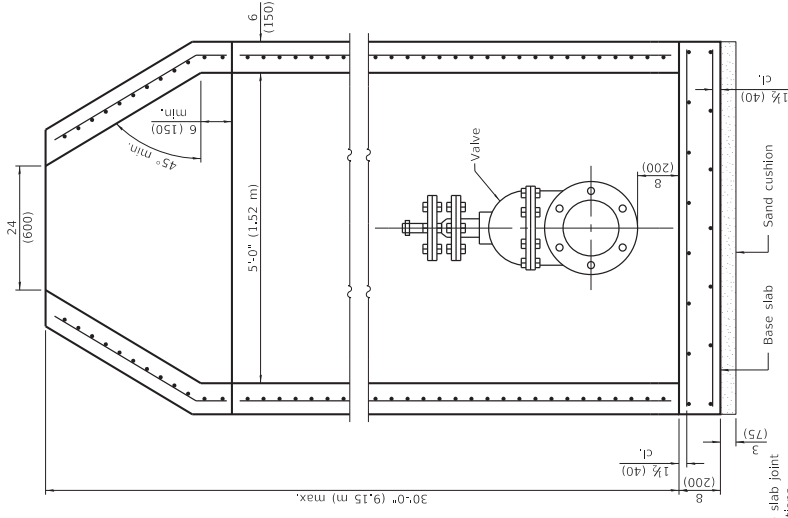
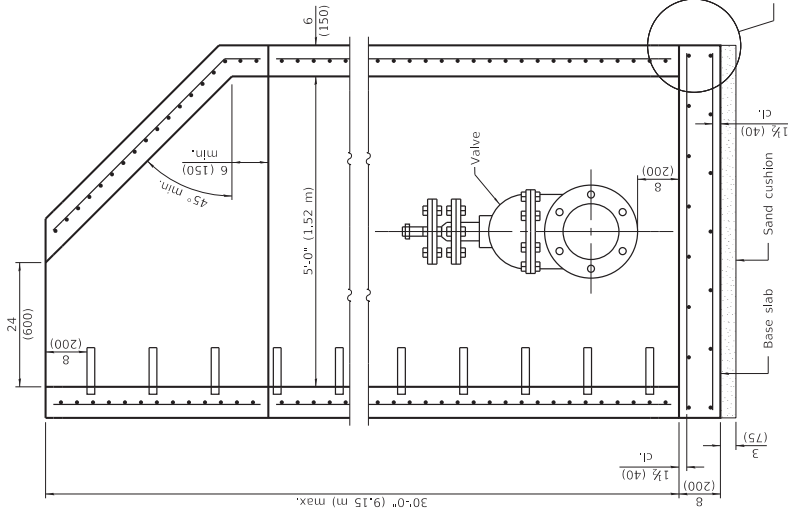
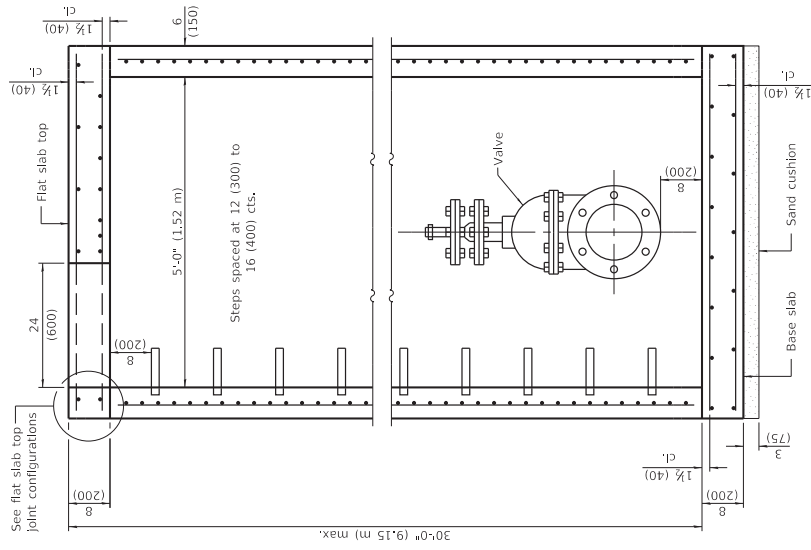
Illinois Department of Transportation
 PASSED: [Signature] January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] January 1, 2021
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-I-06

**PRECAST MANHOLE TYPE A
 9' (2.74 m) DIAMETER**

(Sheet 3 of 3)

STANDARD 602421-09



SECTION THRU VALVE VAULT
(Without conical top)

SECTION THRU VALVE VAULT
(With conical top)

SECTION THRU VALVE VAULT
(With concentric conical top)

GENERAL NOTES

Use this standard for water mains ≥ 10 (250).

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

Illinois Department of Transportation PASSED BY: <i>[Signature]</i> ENGINEER OF POLICY AND PROCEDURES APPROVED BY: <i>[Signature]</i> ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-18
	JANUARY 1, 2021 JANUARY 1, 2021

DATE	REVISIONS
1-1-21	Revised lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST VALVE VAULT TYPE A
5' (1.52 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602506-03

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)	
	As (min.)	Spacing (max.)	As (min.)	Spacing (max.)
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

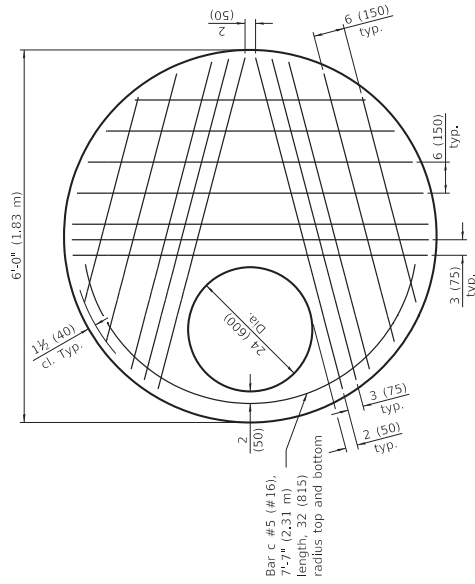
* Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Orientation	WWR or Rebar	
	As (min.)	Spacing (max.)
Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

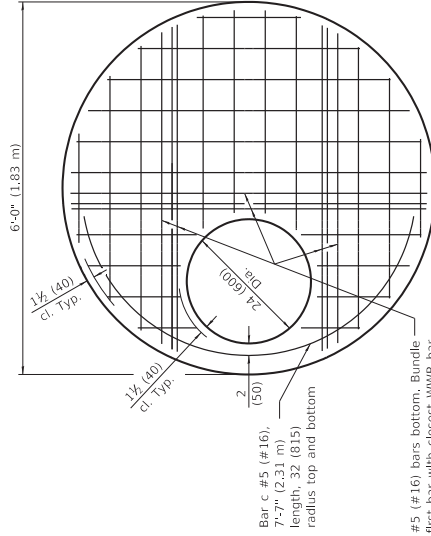
BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		As (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)



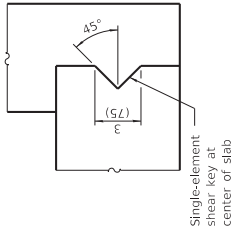
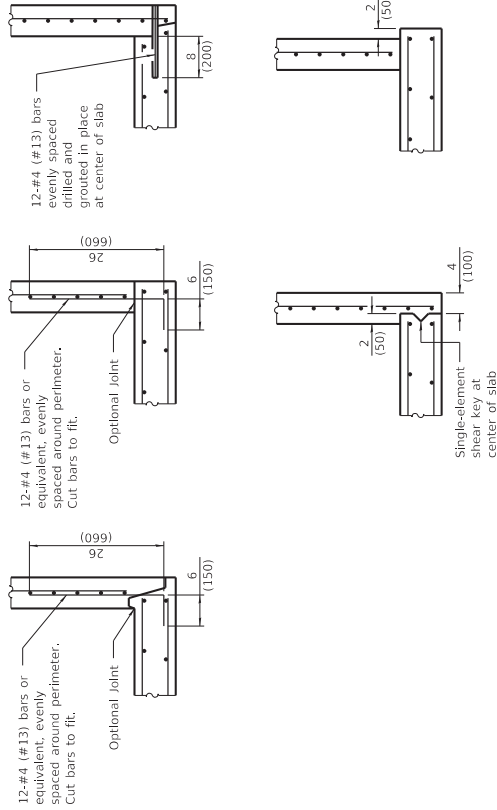
PLAN - FLAT SLAB TOP

(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)



SHEAR KEY GEOMETRY

(Reinforcement not shown for clarity)

BASE SLAB JOINT CONFIGURATIONS

PRECAST VALVE VAULT TYPE A 5' (1.52 m) DIAMETER

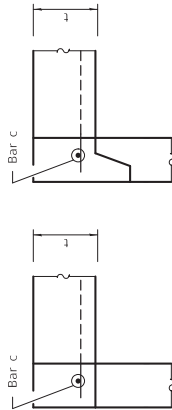
(Sheet 2 of 2)

STANDARD 602506-03

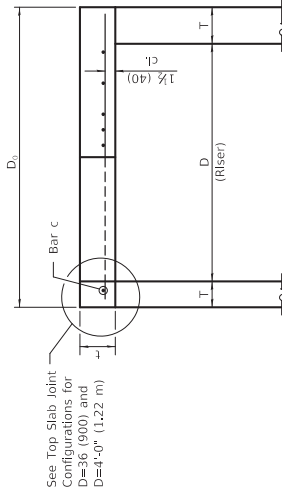
Illinois Department of Transportation

PASSED January 1, 2021
 APPROVED January 1, 2021
 ENGINEER OF POLICY AND PROCEDURES
 ENGINEER OF DESIGN AND ENVIRONMENT

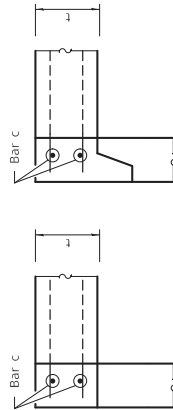
ISSUED 1-1-18



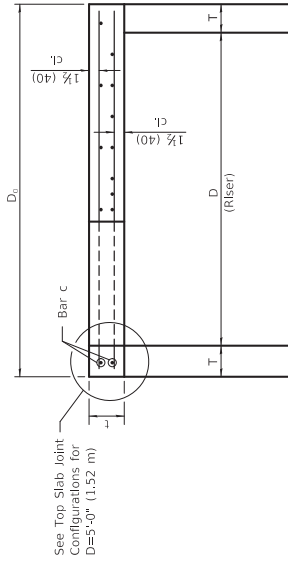
FLAT SLAB TOP JOINT CONFIGURATIONS
FOR D = 36 (900) AND D = 4'-0" (1.22 m)
 (Shown at access hole)



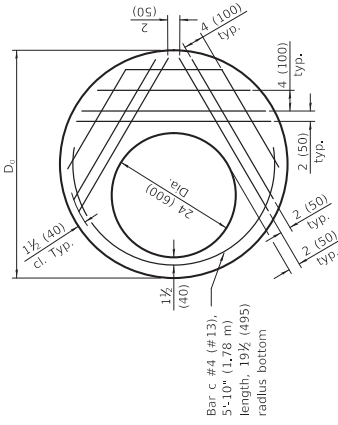
SECTION THRU FLAT SLAB TOP
FOR D = 36 (900) AND D = 4'-0" (1.22 m)



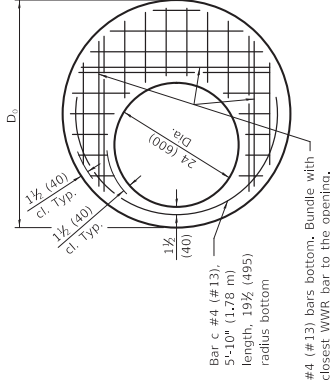
FLAT SLAB TOP JOINT CONFIGURATIONS
D = 5'-0" (1.52 m)
 (Shown at access hole)



SECTION THRU FLAT SLAB TOP
FOR D = 5'-0" (1.52 m)



PLAN - FLAT SLAB TOP FOR D = 36 (900)
 (Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 36 (900)
 (Showing layout of reinforcement and c bars)

GENERAL NOTES

The flat slab top may be used in lieu of the tapered tops shown on Standards 602001, 602016, or 602306 at the option of the Contractor or when field conditions prohibit the use of tapered tops.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

All dimensions are in inches (millimeters) unless otherwise shown.

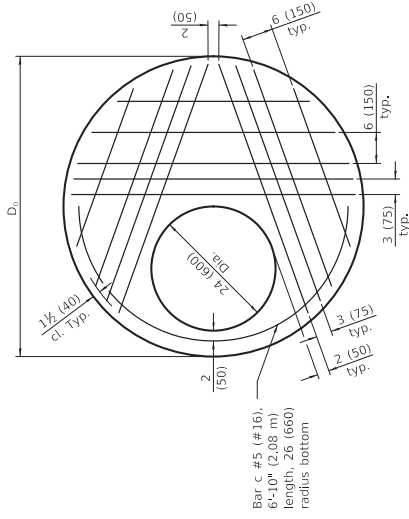
Illinois Department of Transportation
 PASSED: [Signature] 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options.
1-1-18	Revised for compliance with LRFD.

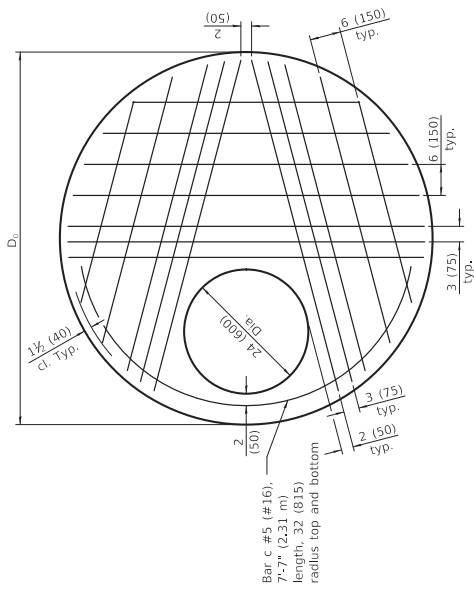
PRECAST REINFORCED CONCRETE FLAT SLAB TOP
 STANDARD 602601-06
 (Sheet 1 of 2)

TABLE

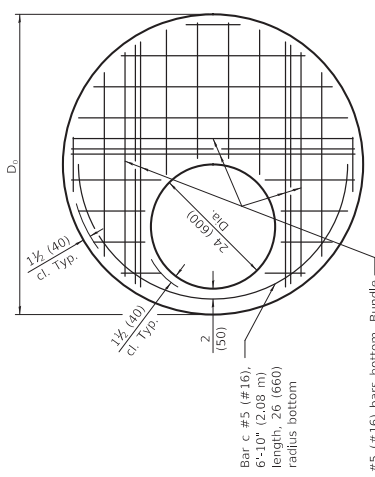
D	T	D _h (min.)	t
36 (900)	See applicable Standards	D + 2T	6 (150)
4'-0" (1.2 m)			6 (150)
5'-0" (1.5 m)			8 (200)



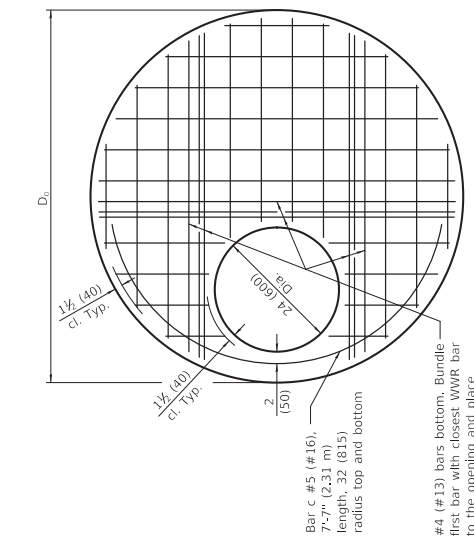
PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of welded wire reinforcement and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of welded wire reinforcement and c bars)

FLAT SLAB TOP REINFORCEMENT FOR D = 36 (900)

Location	WWR (each direction)	Rebar	Bar Size
Bottom Mat	As (min.) * 0.60 sq. in./ft. (1270 sq. mm/m)	Spacing (max.) 6 (150)	See plan view for rebar orientation and spacing and this table for bar size (#4 (#13))

FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

Location	WWR (each direction)	Rebar	Bar Size
Bottom Mat	As (min.) * 0.62 sq. in./ft. (1312 sq. mm/m)	Spacing (max.) 6 (150)	See plan view for rebar orientation and spacing and this table for bar size (#5 (#16))

FLAT SLAB TOP REINFORCEMENT FOR D = 5'-0" (1.52 m)

Location	WWR (each direction)	Rebar (each direction except as noted)	Bar Size
Top Mat	As (min.) 0.11 sq. in./ft. (233 sq. mm/m)	As (min.) 0.11 sq. in./ft. (233 sq. mm/m)	Spacing (max.) 18 (450)
Bottom Mat	As (min.) * 0.40 sq. in./ft. (847 sq. mm/m)	As (min.) * 0.40 sq. in./ft. (847 sq. mm/m)	Spacing (max.) 6 (150)

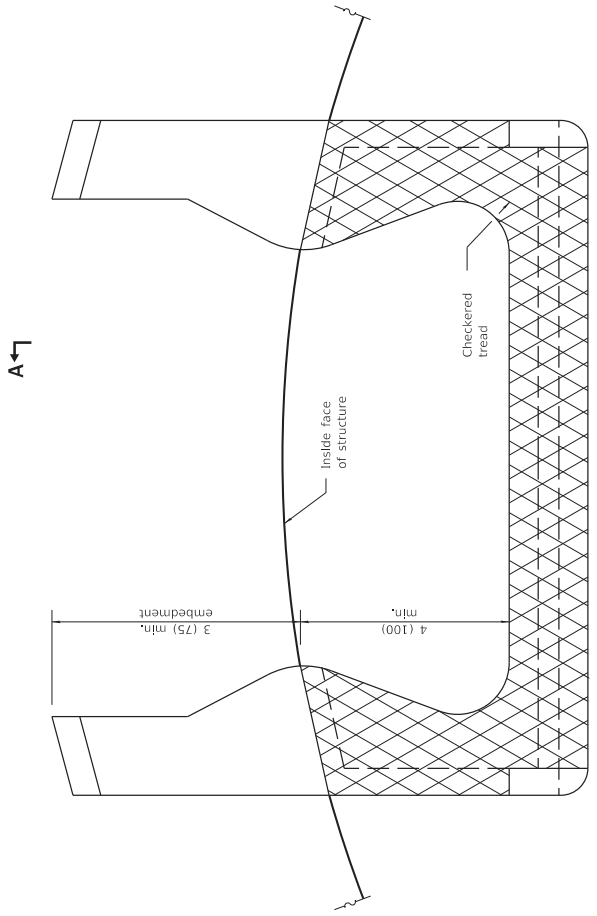
* Only one layer of WWR permitted to avoid congestion.

Illinois Department of Transportation
 PASSED: *[Signature]* January 1, 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: *[Signature]* January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

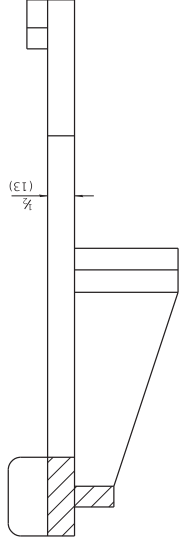
PRECAST REINFORCED CONCRETE FLAT SLAB TOP

STANDARD 602601-06

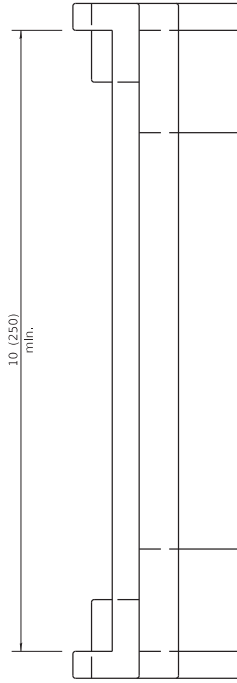
CAST IRON STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

All dimensions are in inches (millimeters) unless otherwise shown.

PASSED January 1, 2009 ENGINEER OF POLICY AND PROCEDURES APPROVED [Signature] ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-07
	January 1, 2009 APPROVED [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

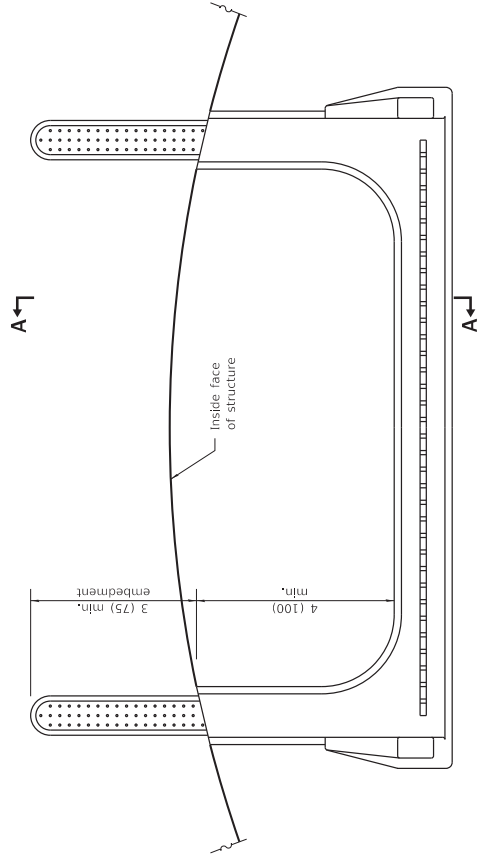
DATE	REVISIONS
1-1-09	Switched units to English (metric).
4-1-06	Revised title, drawings, and added plastic steps on sheet 2.

MANHOLE STEPS

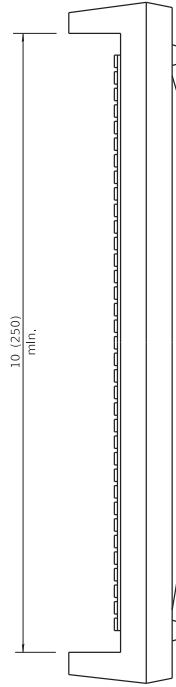
(Sheet 1 of 2)

STANDARD 602701-02

PLASTIC STEPS



PLAN VIEW



ELEVATION VIEW

Illinois Department of Transportation

PASSED January 1, 2009

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009

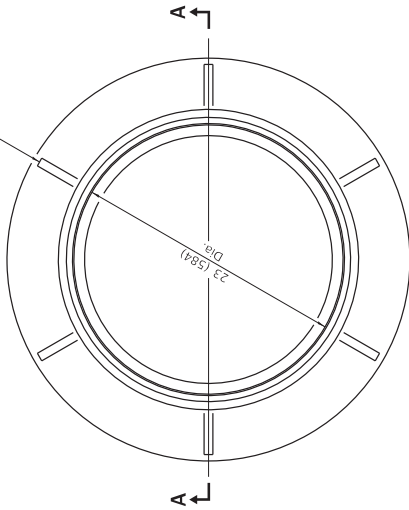
ENGINEER OF DESIGN AND ENVIRONMENT

MANHOLE STEPS

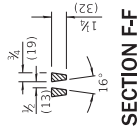
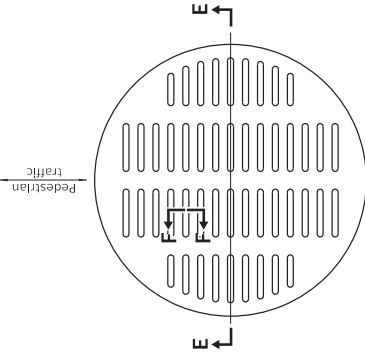
(Sheet 2 of 2)

STANDARD 602701-02

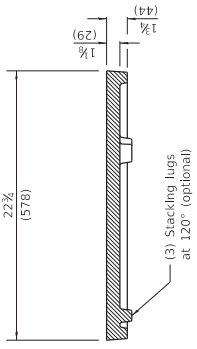
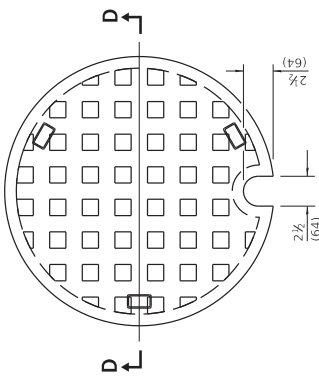
6 Gussets shown
10 permitted



CAST FRAME

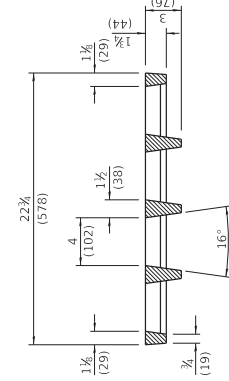


SECTION F-F



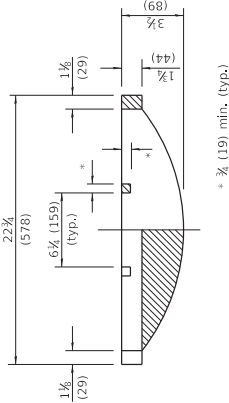
SECTION D-D

CAST CLOSED LID
Gray Iron Lid



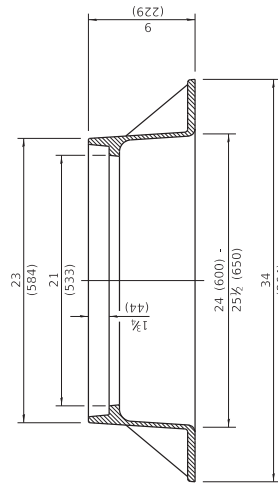
SECTION E-E

**ADA COMPLIANT
CAST OPEN LID**



SECTION B-B

CAST OPEN LID



SECTION A-A

Gray Iron

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

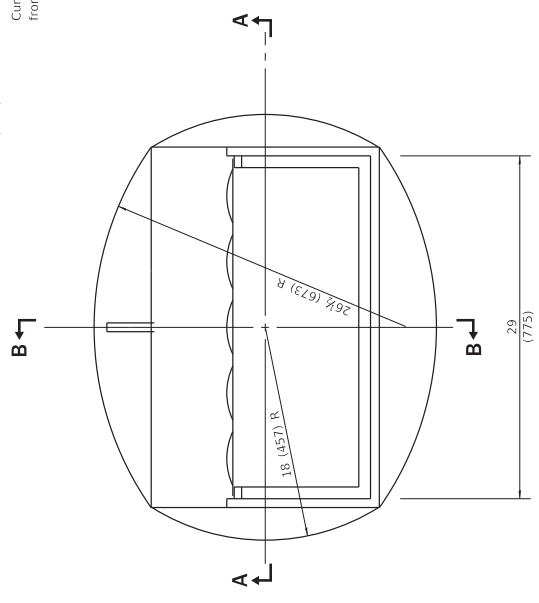
**FRAME AND LIDS
TYPE 1**

STANDARD 604001-05

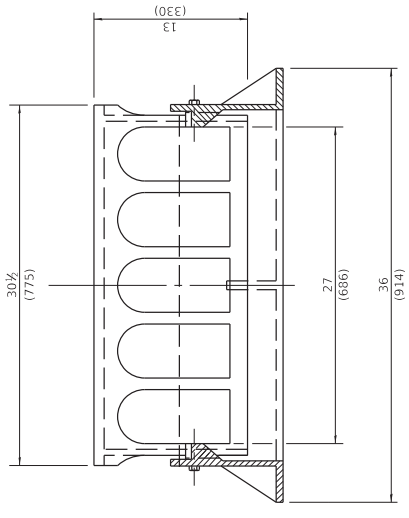
Illinois Department of Transportation
 PASSED: [Signature] January 1, 2020
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: [Signature] January 1, 2020
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-17

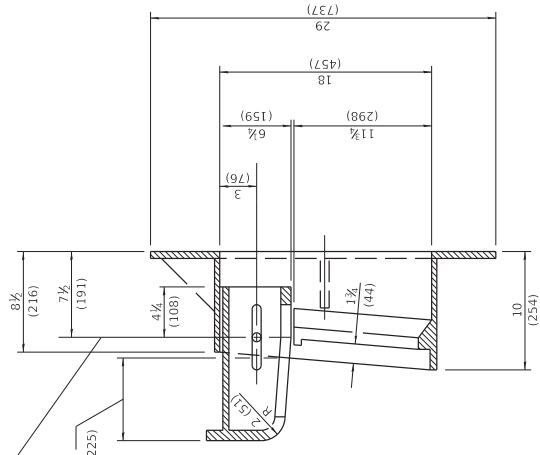
ϕ $\frac{3}{8}$ (10) Dia. hole and $\frac{3}{8} \times 5\frac{1}{2}$ (16x140) slotted hole for galvanized $\frac{1}{2}$ (M12) bolt, nut, and washer.
 Curb box adjustable from $4\frac{1}{2}$ (115) to 9 (225)



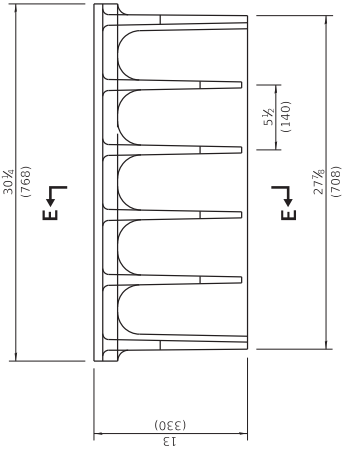
SECTION A-A



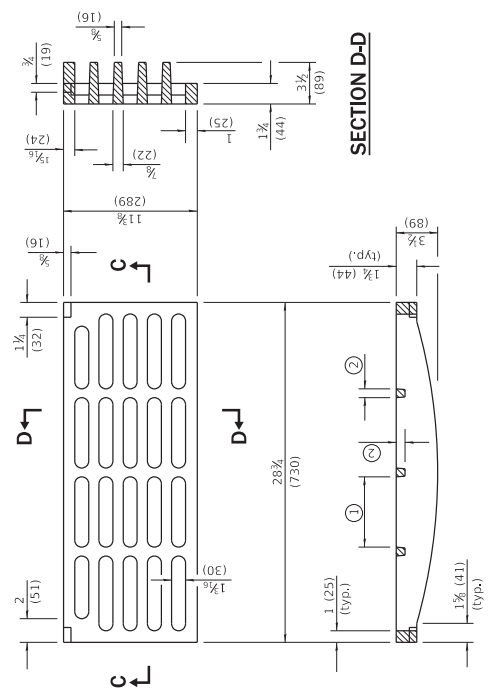
SECTION A-A



SECTION B-B



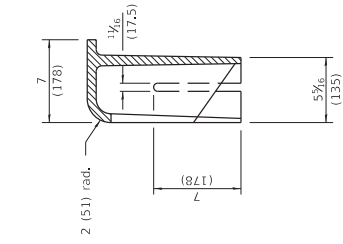
SECTION E-E



SECTION C-C

- ① = $6\frac{1}{2}$ (159) max. (typ.)
- ② = $\frac{3}{4}$ (19) min. (typ.)

SECTION D-D



SECTION E-E

All dimensions are in inches (millimeters) unless otherwise shown.

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 PASSED January 1, 2015
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 APPROVED January 1, 2015
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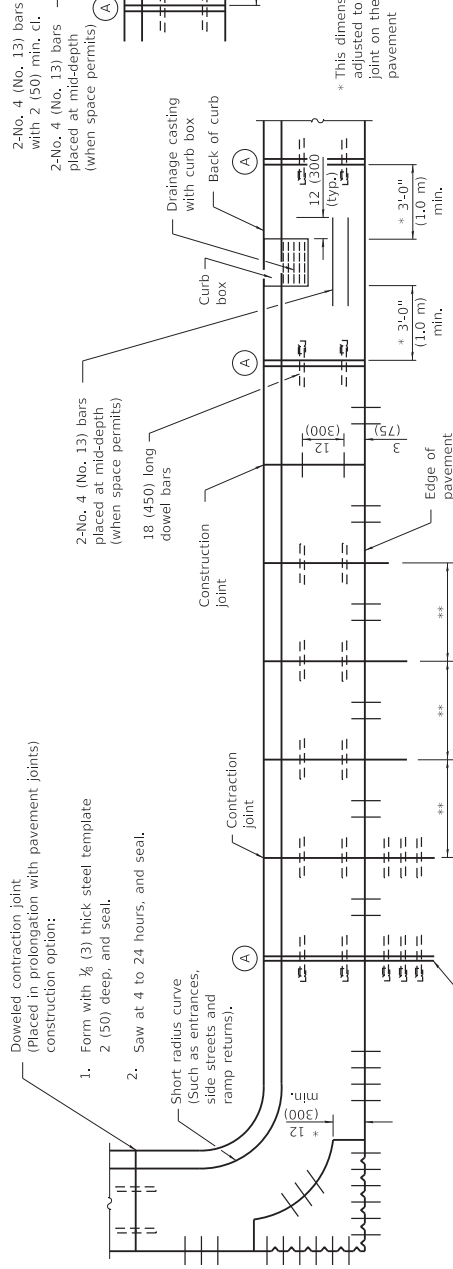
DATE	REVISIONS
1-1-15	Revised dimensions of frame and alternate curb box.
4-1-09	Switched units to English (metric).

**FRAME AND GRATE
TYPE 11**

STANDARD 604051-04

Doweled contraction joint
(Placed in prolongation with pavement joints)
construction option:

- Form with 1/2 (3) thick steel template 2 (50) deep, and seal.
- Saw at 4 to 24 hours, and seal.



Construction joint

Contraction joint

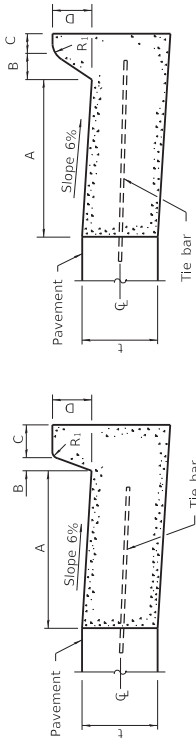
Contraction joint

Edge of pavement

** Spacing of contraction joints to match adjacent pcc pavement but not to exceed 15' (4.5 m).

PLAN

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



BARRIER CURB

TABLE OF DIMENSIONS BARRIER CURB

TYPE	A	B	C	D	R ₁	R ₂
B-6.06 *	6	1	6	6	1	1
(B-15.15)	(150)	(25)	(150)	(150)	(25)	(25)
B-6.12	12	2	6	6	1	1
(B-15.3)	(300)	(25)	(150)	(150)	(25)	(25)
B-6.18	18	1	6	6	1	1
(B-15.45)	(450)	(25)	(150)	(150)	(25)	(25)
B-6.24	24	1	6	6	1	1
(B-15.60)	(600)	(25)	(150)	(150)	(25)	(25)
B-9.12	12	2	5	9	1	1
(B-22.30)	(300)	(50)	(125)	(225)	(25)	(25)
B-9.18	18	2	5	9	1	1
(B-22.45)	(450)	(50)	(125)	(225)	(25)	(25)
B-9.24	24	2	5	9	1	1
(B-22.60)	(600)	(50)	(125)	(225)	(25)	(25)

* For corner islands only.

MOUNTABLE CURB

TABLE OF DIMENSIONS MOUNTABLE CURB

TYPE	A	B	C	D	R ₁	R ₂
M-2.06	6	2	4	2	3	2
(M-5.15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2.12	12	2	4	2	3	2
(M-5.30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4.06	6	4	3	4	3	NA
(M-10.15)	(150)	(100)	(75)	(100)	(75)	NA
M-4.12	12	4	3	4	3	NA
(M-10.30)	(300)	(100)	(75)	(100)	(75)	NA
M-4.18	18	4	3	4	3	NA
(M-10.45)	(450)	(100)	(75)	(100)	(75)	NA
M-4.24	24	4	3	4	3	NA
(M-10.60)	(600)	(100)	(75)	(100)	(75)	NA
M-6.06	6	6	2	6	2	NA
(M-15.15)	(150)	(150)	(50)	(150)	(50)	NA
M-6.12	12	6	2	6	2	NA
(M-15.30)	(300)	(150)	(50)	(150)	(50)	NA
M-6.18	18	6	2	6	2	NA
(M-15.45)	(450)	(150)	(50)	(150)	(50)	NA
M-6.24	24	6	2	6	2	NA
(M-15.60)	(600)	(150)	(50)	(150)	(50)	NA

Illinois Department of Transportation

PASSED January 1, 2022
 APPROVED Michael Bond
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED [Signature]
 January 1, 2022
 ENGINEER OF DESIGN AND ENVIRONMENT

REVISIONS

DATE	REVISIONS
1-1-22	Revised contraction joint spacing adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 (Sheet 1 of 2)

STANDARD 606001-08

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

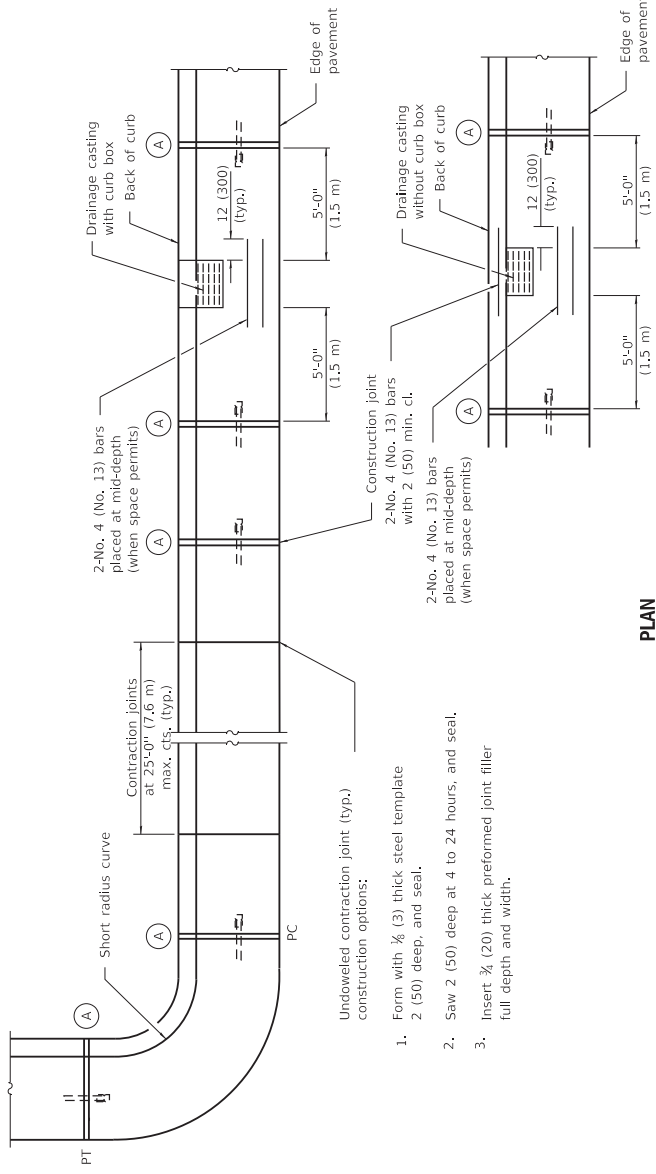
A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

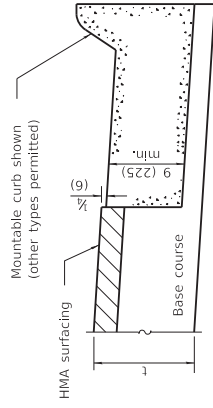
M-2.06 (M-5.15) and M-2.12 (M-5.30)



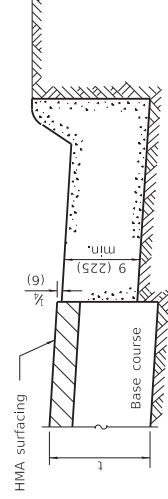
PLAN

Undoweled contraction joint (typ.) construction options:

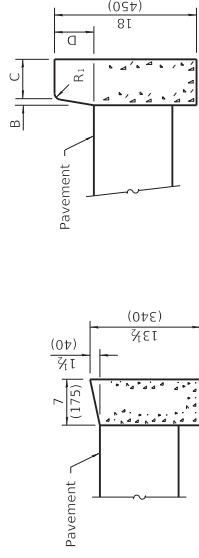
1. Form with $\frac{3}{8}$ (3) thick steel template
2 (50) deep, and seal.
2. Saw 2 (50) deep at 4 to 24 hours, and seal.
3. Insert $\frac{3}{8}$ (20) thick preformed joint filler full depth and width.



ON DISTURBED SUBGRADE



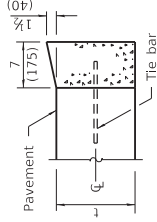
ON UNDISTURBED SUBGRADE



DEPRESSED CURB

BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB

BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

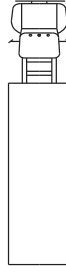
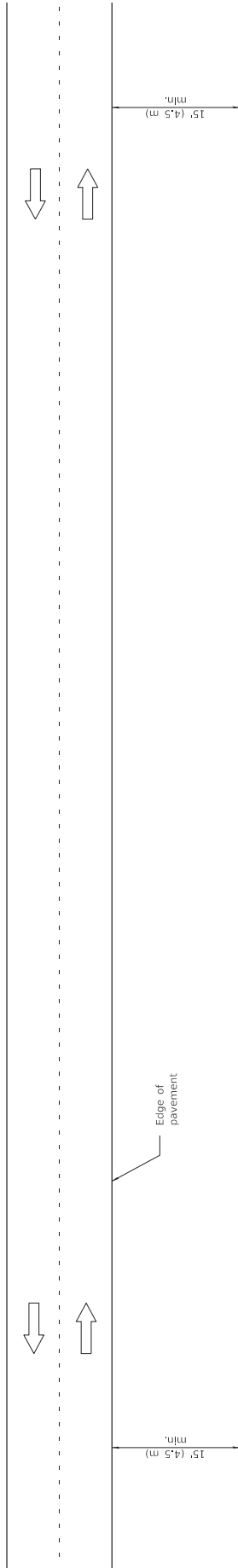
ADJACENT TO FLEXIBLE PAVEMENT

**CONCRETE CURB TYPE B
AND COMBINATION
CONCRETE CURB AND GUTTER**

(Sheet 2 of 2)

STANDARD 606001-08

	PASSED January 1, 2022 <i>Michael Bond</i> ENGINEER OF POLICY AND PROCEDURES	ISSUED 1-1-07
	APPROVED January 1, 2022 <i>Schick</i> ENGINEER OF DESIGN AND ENVIRONMENT	



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

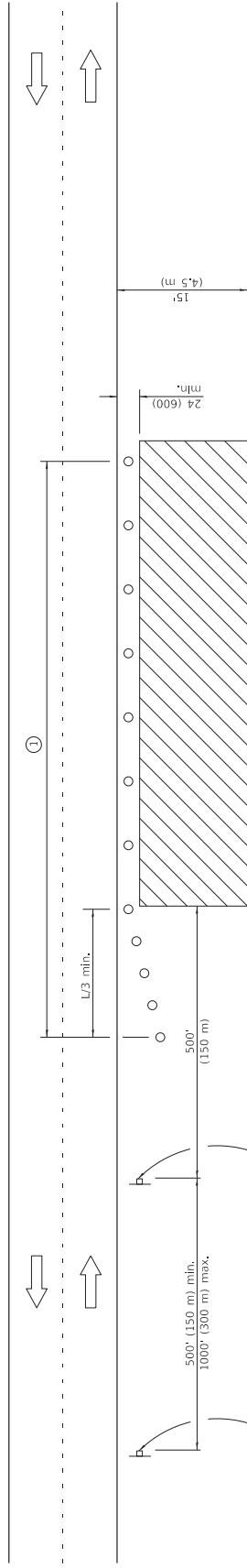
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Revised title and notes.

**OFF-RD OPERATIONS,
2L, 2W, MORE THAN
15' (4.5 m) AWAY**

STANDARD 701001-02

	PASSED January 1, 2009 <i>[Signature]</i> ENGINEER OF OPERATIONS	ISSUED 1-1-07
	APPROVED January 1, 2009 <i>[Signature]</i> ENGINEER OF DESIGN AND ENVIRONMENT	



For contract construction projects

W20-110(0)-48

For maintenance and utility projects

W20-110(1)-48

W21-110(1)-48

TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Side slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

SYMBOLS

- Work area
- Sign
- Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS
English	(Metric)
40 mph (70 km/h)	$L = \frac{WS^2}{60}$
or less:	$L = 150$
45 mph (80 km/h)	$L = (W)(S)$
or greater:	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

Illinois Department of Transportation

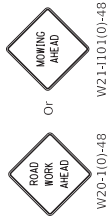
PASSED January 2014

APPROVED January 2014

ENGINEER OF SAFETY ENGINEERING

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07



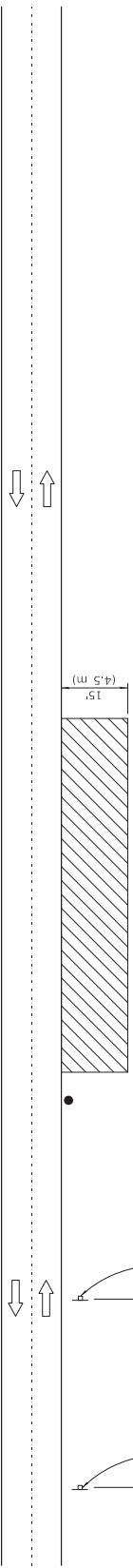
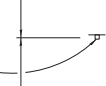
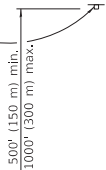
Or



Or



Or

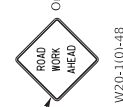


For contract construction projects



W20-1103(0)-48

For maintenance and utility projects



W21-1(0)-48

TYPICAL APPLICATIONS

Shoulder work
Utility operations

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

SYMBOLS



Work area



Sign

- Flagger with traffic control sign when required

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

All dimensions are in inches (millimeters) unless otherwise shown.

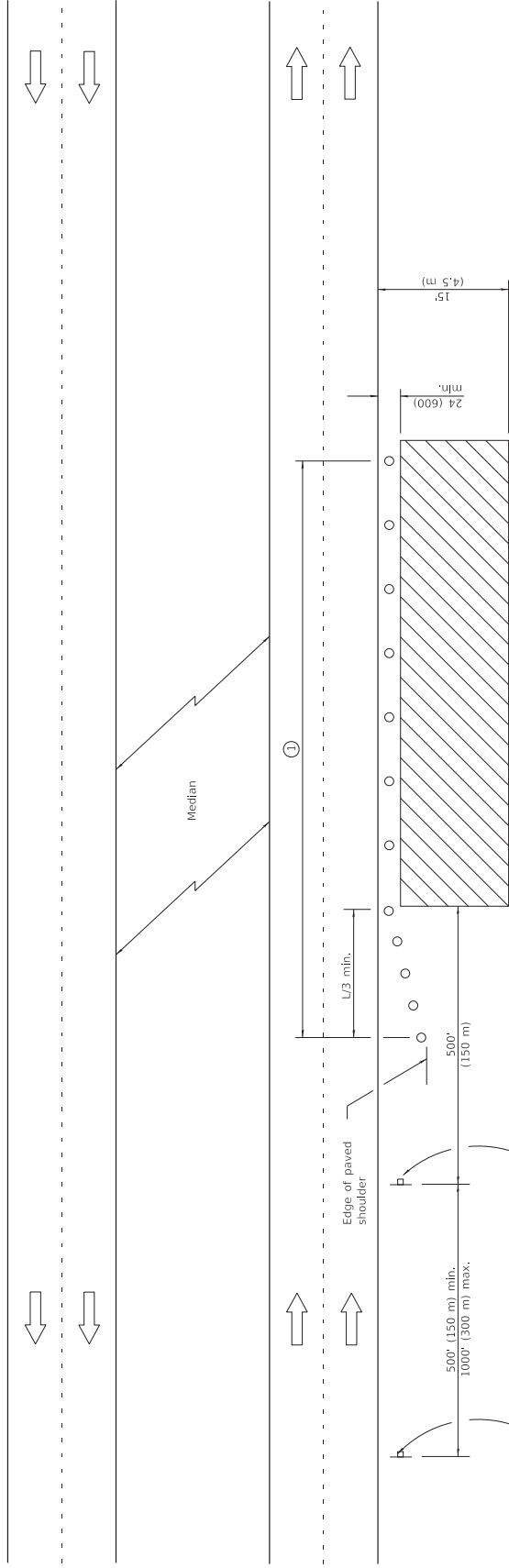
**OFF-RD MOVING OPERATIONS,
2L, 2W, DAY ONLY**

STANDARD 701011-04

Illinois Department of Transportation

PASSED January 2014
 APPROVED January 1, 2014
 ENGINEER OF SAFETY ENGINEERING
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07



GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24 (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS
English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$ $L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$ $L = 0.65(W)(S)$

W = Width of offset in feet (meters).
 S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Side slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

For contract construction projects

For maintenance and utility projects

DATE	REVISIONS
4-1-16	Corrected typo in title.
1-1-14	Revised workers sign number to agree with current MUTCD.

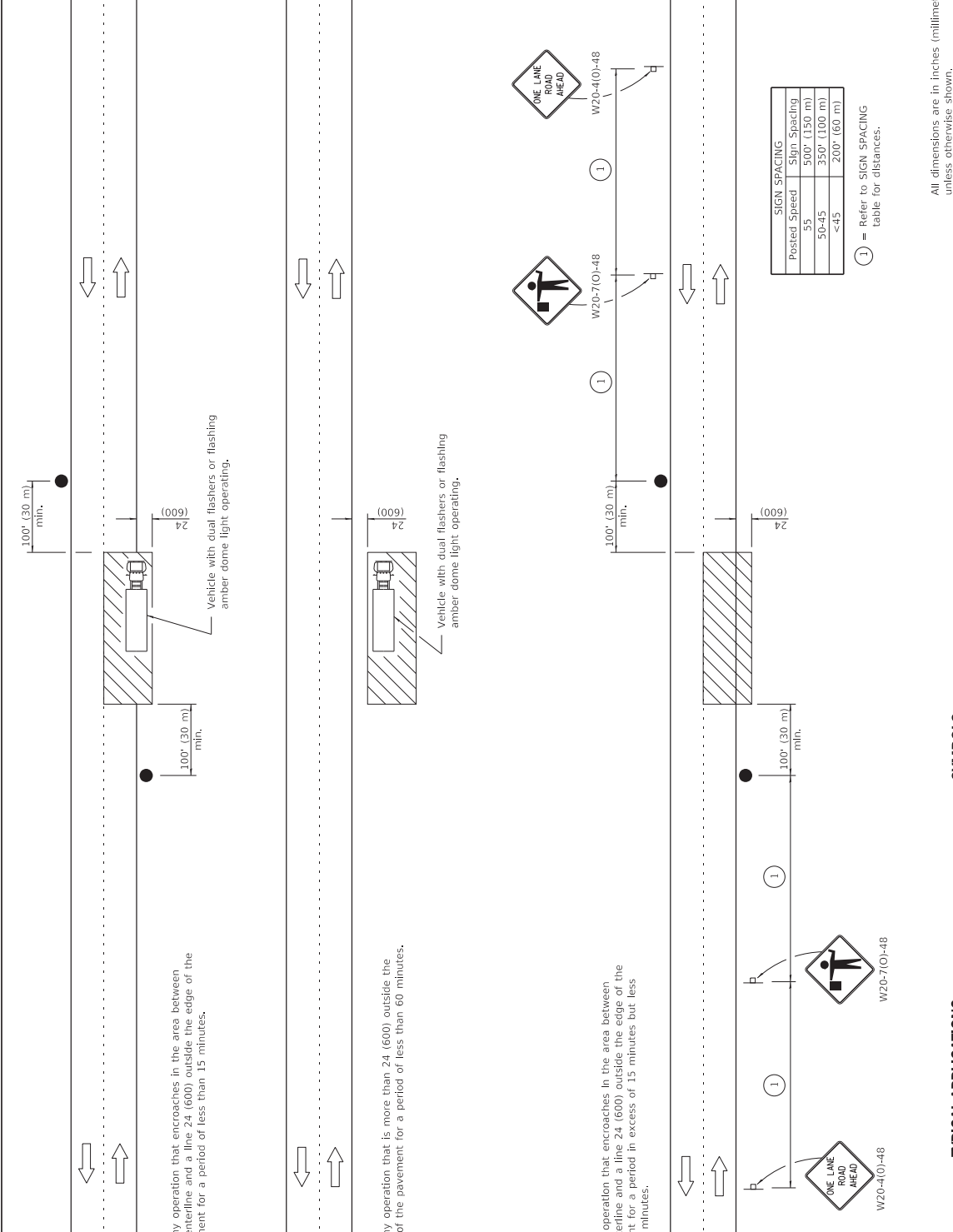
SYMBOLS

- Work area
- Sign
- Cone, drum or barricade

Illinois Department of Transportation PASSED April 1, 2016 ENGINEER OF SAFETY ENGINEERING APPROVED April 1, 2016 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-97
---	---------------

OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701101-05



For any operation that encroaches in the area between the centerline and a line 24 (600) outside the edge of the pavement for a period of less than 15 minutes.

For any operation that is more than 24 (600) outside the edge of the pavement for a period of less than 60 minutes.

For any operation that encroaches in the area between the centerline and a line 24 (600) outside the edge of the pavement for a period in excess of 15 minutes but less than 60 minutes.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

① = Refer to SIGN SPACING table for distances.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04

SYMBOLS

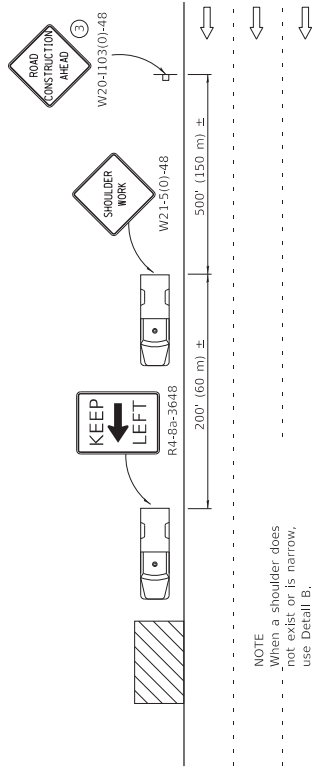
- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

TYPICAL APPLICATIONS

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

Illinois Department of Transportation
 PASSED January 1, 2011
 APPROVED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING
 ENGINEER OF DESIGN AND ENVIRONMENT

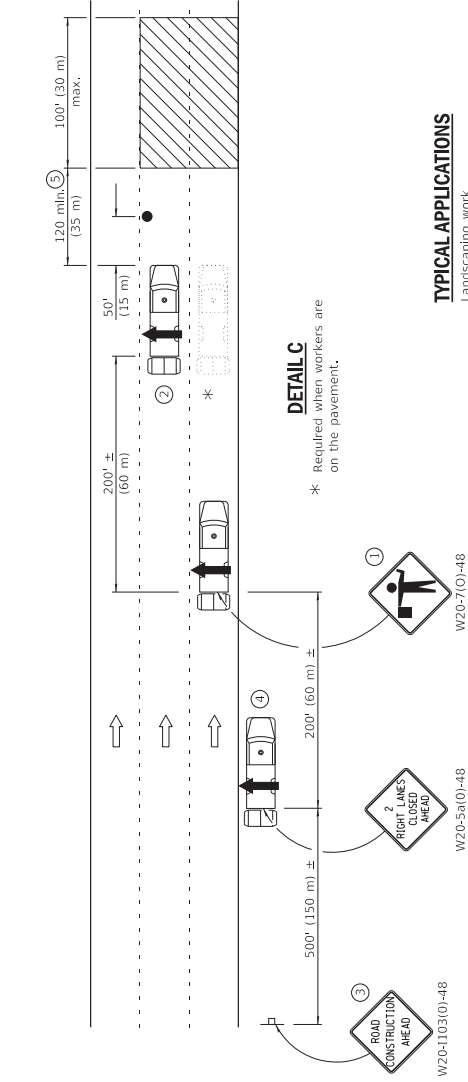
ISSUED 1-1-07



NOTE

When a shoulder does not exist or is narrow, use Detail B.

DETAIL A

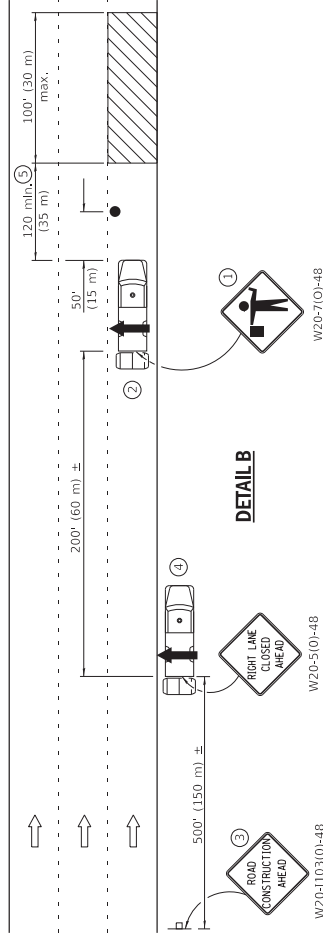


DETAIL C

* Required when workers are on the pavement.

TYPICAL APPLICATIONS

- Landscape work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Debris cleanup
- Crack pouring



DETAIL B

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- Truck with flashing amber light
- Truck/Trailer mounted attenuator
- Flagger with traffic control sign
- ⊥ Sign

- 1) Flaggers are required when workers are on the pavement.
- 2) For striping operations only. See sign arrow detail on this standard.
- 3) For stationary operations which are on the roadway or shoulder, greater than 15 minutes and up to 1 hour.
- 4) Omit truck, attenuator and arrow board when no shoulder exists due to curb and gutter.
- 5) The distance between the work and the lead truck may vary according to terrain or pain/crack sealing time.



C20-101-2430 (appropriate arrow)
 ② (when striping only)

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require:
 1) stationary operations up to 1 hour, or 2) a continuous or intermittent moving operation where the average speed of movement is greater than 1 mph (2 km/h).

This Standard is also applicable when work is being performed in the left lane(s) or on the median shoulder. Under these conditions, KEEP RIGHT signs shall be substituted for KEEP LEFT signs and arrow board indications shall be directed to the right.

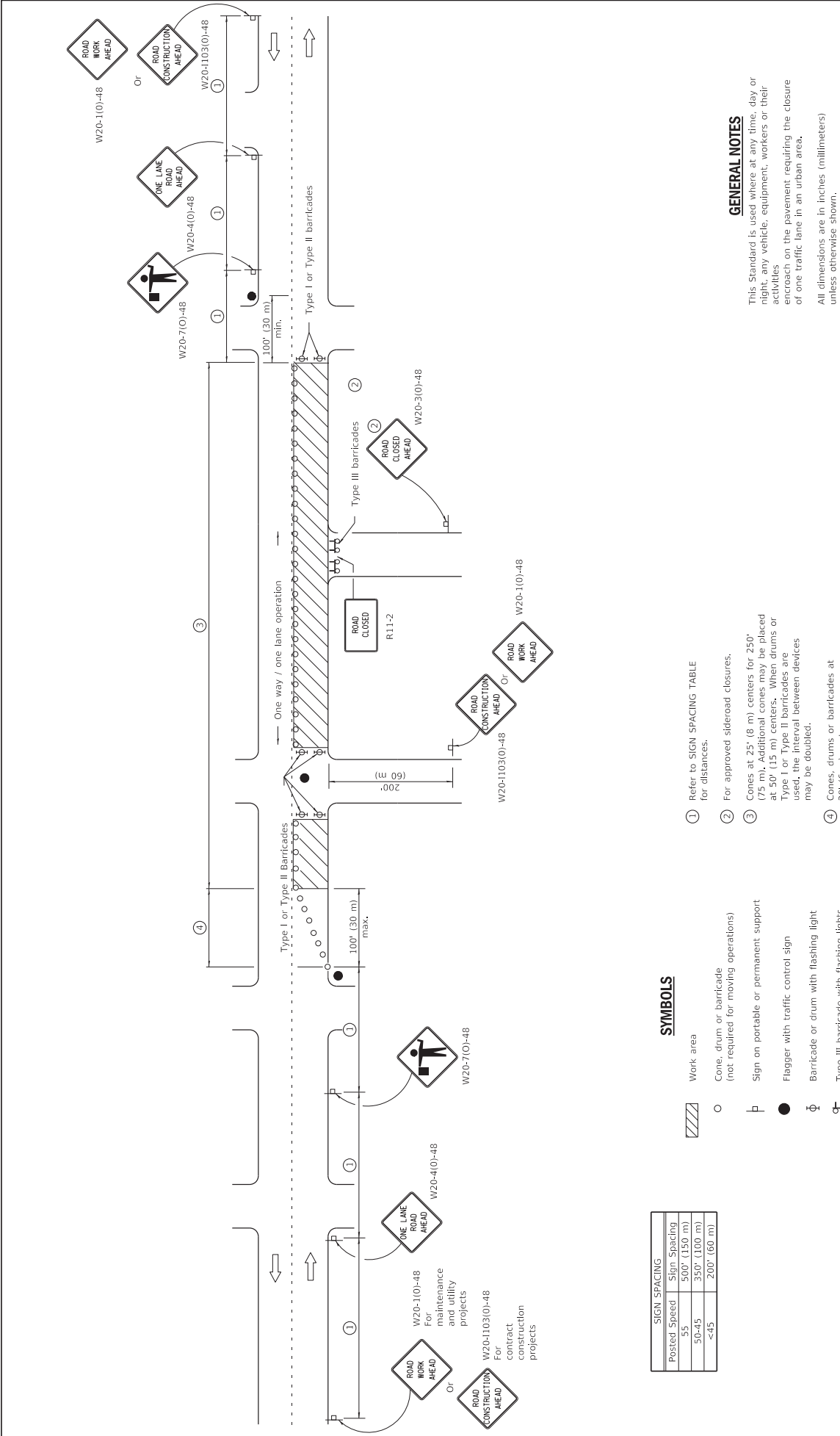
All dimensions are in inches (millimeter) unless otherwise shown.

DATE	REVISIONS
1-1-17	Revised 'NOTE' on DETAIL A to use DETAIL B in lieu of DETAIL C.
4-1-16	Rev. gen. notes, Added note ⑤, Rev. dist. between work and lead truck.

LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH

STANDARD 701427-05

Illinois Department of Transportation
 PASSED January 1, 2017
 ENGINEER OF SAFETY PROC. AND ENGINEERING
 APPROVED January 1, 2017
 ENGINEER OF DESIGN AND ENVIRONMENT



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

- 1 Refer to SIGN SPACING TABLE for distances.
- 2 For approved sideroad closures.
- 3 Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- 4 Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

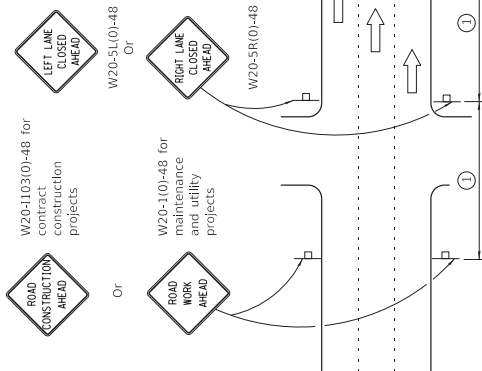
**URBAN LANE CLOSURE,
2L, 2W, UNDIVIDED**

STANDARD 701501-06

Illinois Department of Transportation
PASSED January 1, 2011
Shirley A. O'Boa
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
Jeffrey S. [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07



Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- ↑ Arrow board
- Cone, drum or barricade
- ⊥ Sign on portable or permanent support
- ▨ Work area
- ⊕ Barricade or drum with flashing light
- ⊕ Type III barricade with flashing lights
- Flagger with traffic control sign.

- 1 Refer to SIGN SPACING TABLE for distances.
- 2 Required for speeds > 40 MPH
- 3 Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- 4 Use flagger sign only when flagger is present.
- 5 For approved sideroad closures.
- 6 Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT	FORMULAS
English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$ $L = 150$
45 mph (80 km/h) or greater:	$L = \frac{W(S)}{15}$ $L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

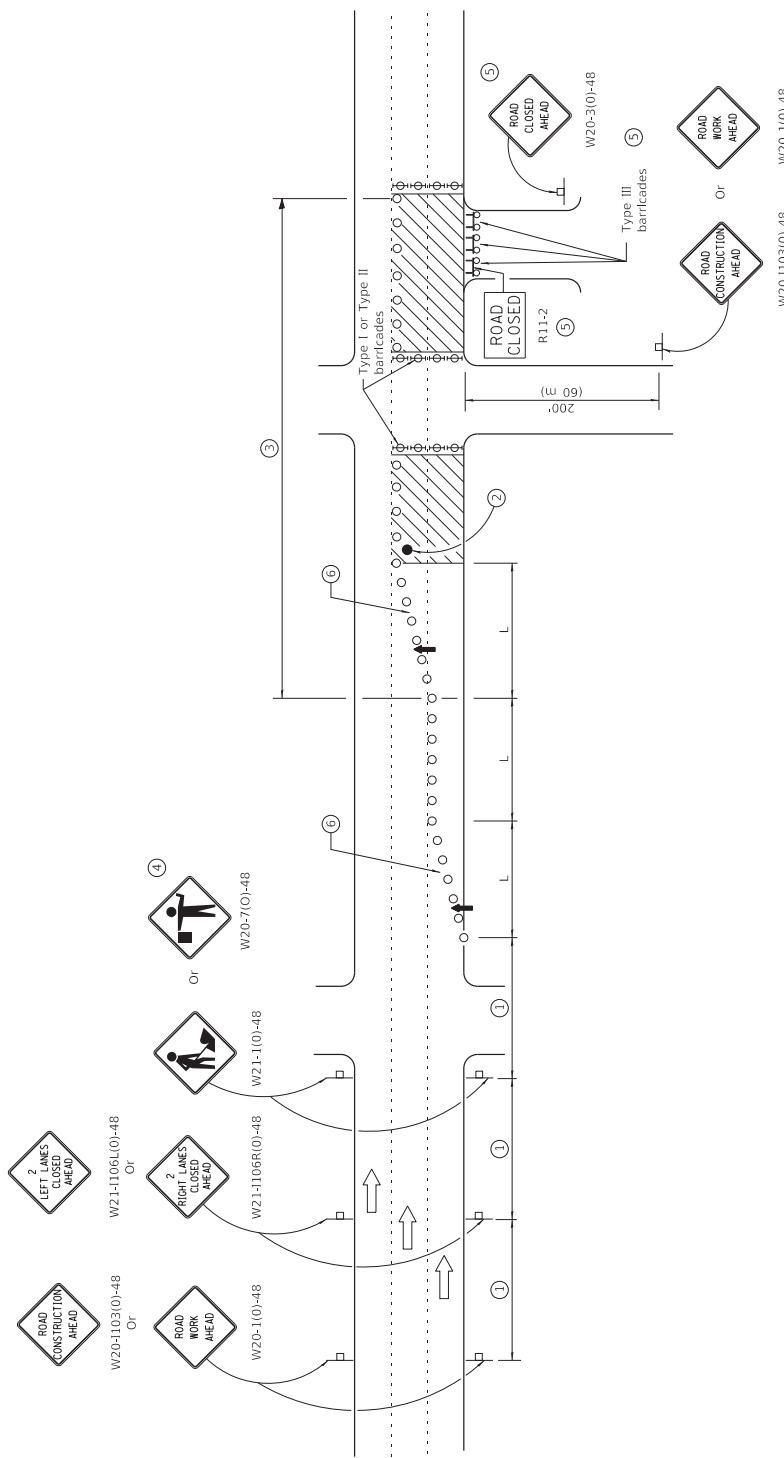
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text: 'WORKERS' sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
(Sheet 1 of 2)

STANDARD 701601-09

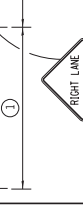
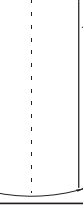
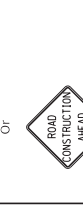
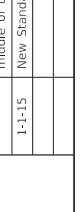
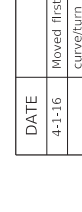
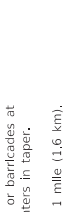
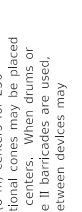
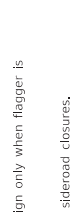
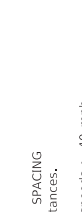
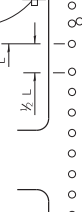
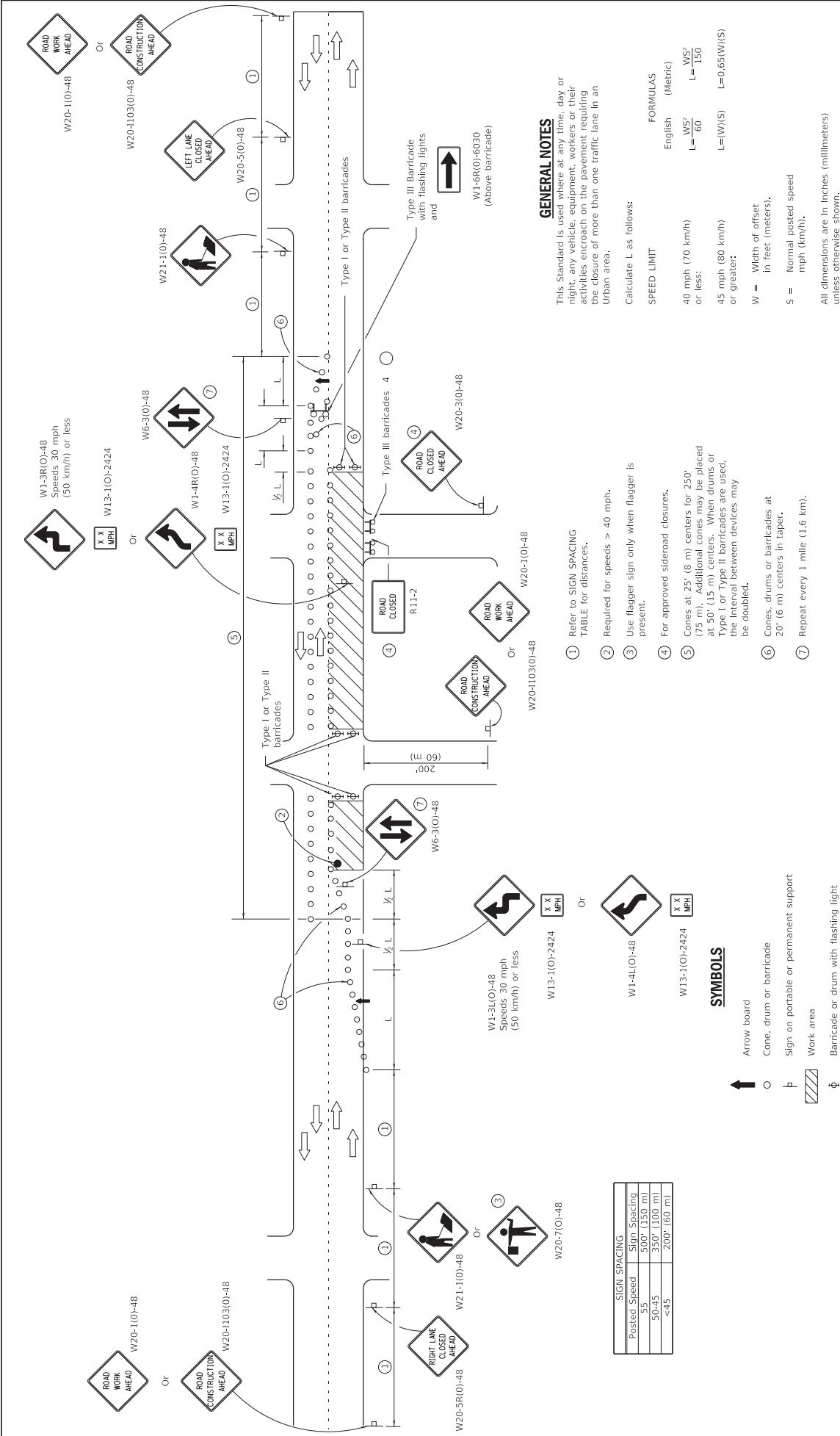
Illinois Department of Transportation
 PASSED January 2014
 APPROVED January 2014
 ENGINEER OF SAFETY ENGINEERING
 ENGINEER OF DESIGN AND ENVIRONMENT



**URBAN LANE CLOSURE,
MULTILANE, 1W OR 2W WITH
NONTRAVERSABLE MEDIAN**
(Sheet 2 of 2)

STANDARD 701601-09

Illinois Department of Transportation PASSED APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-97
	2014 2014 2014



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of more than one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT

English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$
45 mph (80 km/h) or greater:	$L = W(W/S)$

W = Width of offset in feet (meters).
 S = Normal posted speed mph (km/h).

FORMULAS

English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$
45 mph (80 km/h) or greater:	$L = W(W/S)$

W = Width of offset in feet (meters).
 S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS

- Refer to SIGN SPACING TABLE for distances.
- Required for speeds > 40 mph.
- Use flagger sign only when flagger is present.
- For approved sideroad closures.
- Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- Cones, drums or barricades at 20' (6 m) centers in taper.
- Repeat every 1 mile (1.6 km).

SYMBOLS

- ↑ Arrow board
- Cone, drum or barricade
- ⊥ Sign on portable or permanent support
- ▨ Work area
- ⊕ Barricade or drum with flashing light
- ⊕ Type III barricade with flashing lights
- Flagger with traffic control sign.

SIGN SPACING

Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

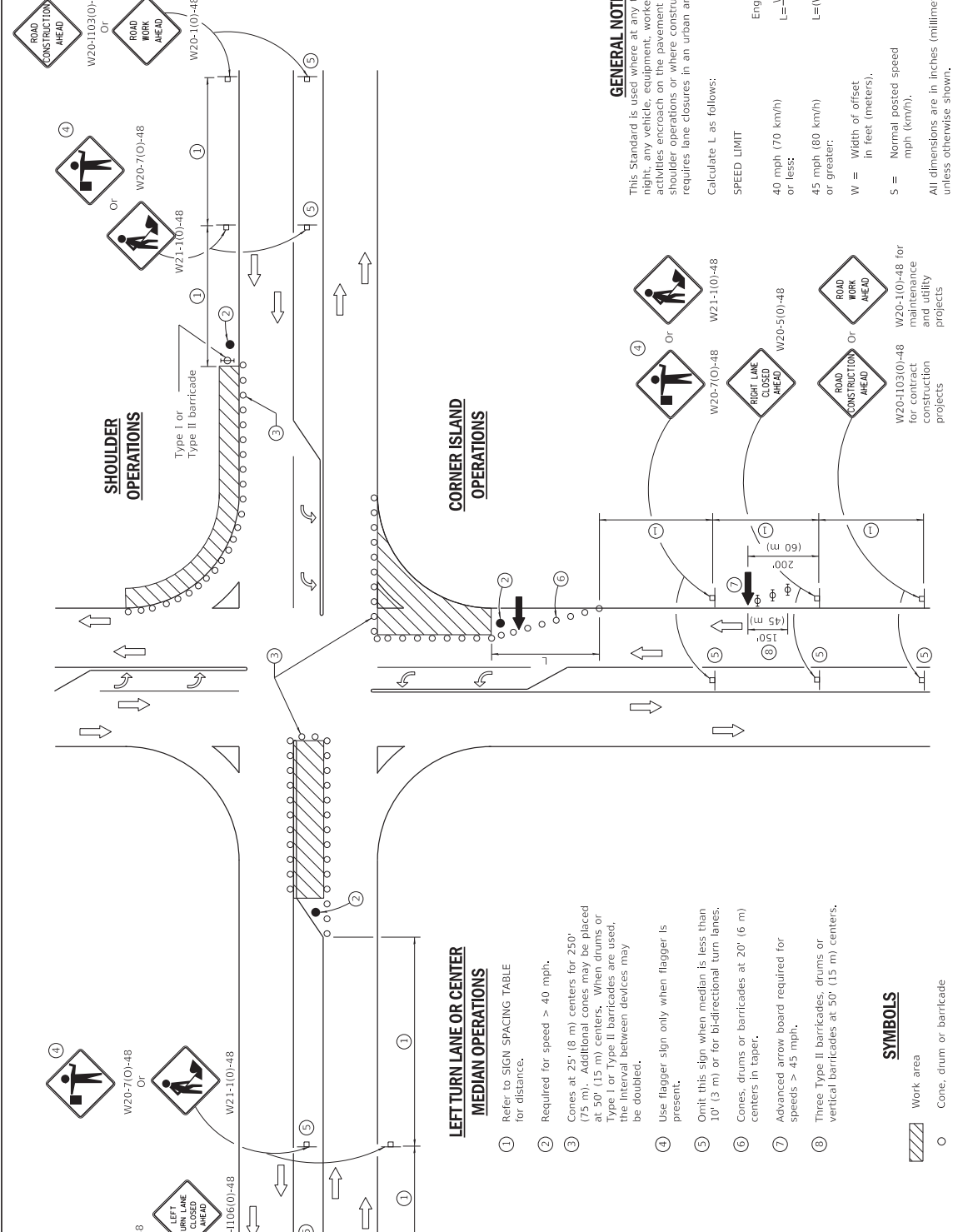
STANDARD 701611-01

DATE	REVISIONS
4-1-16	Moved first reverse curve/turn sign to middle of tangent.
1-1-15	New Standard.

Illinois Department of Transportation

PASSED APRIL 1, 2016
 ENGINEER OF SAFETY ENGINEERING
 APPROVED APRIL 1, 2016
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-15



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

- 1 Refer to SIGN SPACING TABLE for distance.
- 2 Required for speed > 40 mph.
- 3 Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- 4 Use flagger sign only when flagger is present.
- 5 Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- 6 Cones, drums or barricades at 20' (6 m) centers in taper.
- 7 Advanced arrow board required for speeds > 45 mph.
- 8 Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS
English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$
45 mph (80 km/h) or greater:	$L = \frac{WS^2}{150}$
W =	Width of offset in feet (meters).
S =	Normal posted speed in mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

URBAN LANE CLOSURE, MULTILANE INTERSECTION	
DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

Illinois Department of Transportation

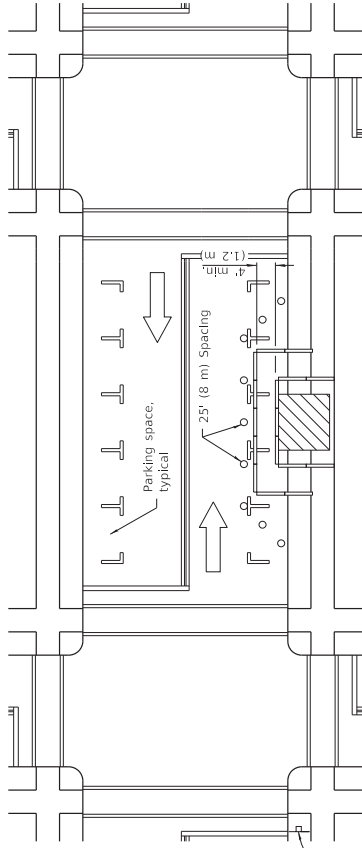
ISSUED 1-1-07

PASSED April 1, 2016

APPROVED April 1, 2016

ENGINEER OF SAFETY ENGINEERING

ENGINEER OF DESIGN AND ENVIRONMENT

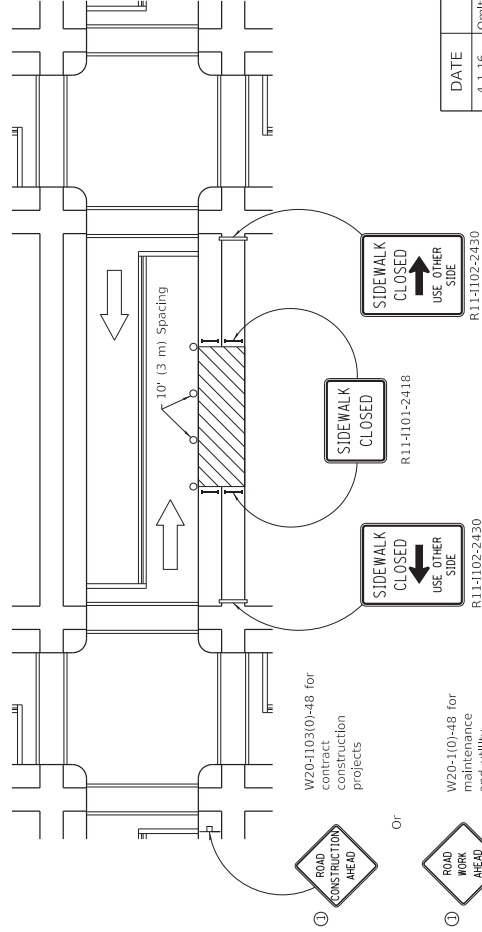


W20-103(0)-48 for contract construction projects

Or

W20-100-48 for maintenance and utility projects

SIDEWALK DIVERSION









W20-103(0)-48 for contract construction projects

Or

W20-100-48 for maintenance and utility projects

SIDEWALK CLOSURE

SYMBOLS

-  Work area
-  Sign on portable or permanent support
-  Barricade or drum
-  Cone, drum or barricade
-  Type III barricade
-  Detectable pedestrian channelizing barricade

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corner streets from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06

Illinois Department of Transportation

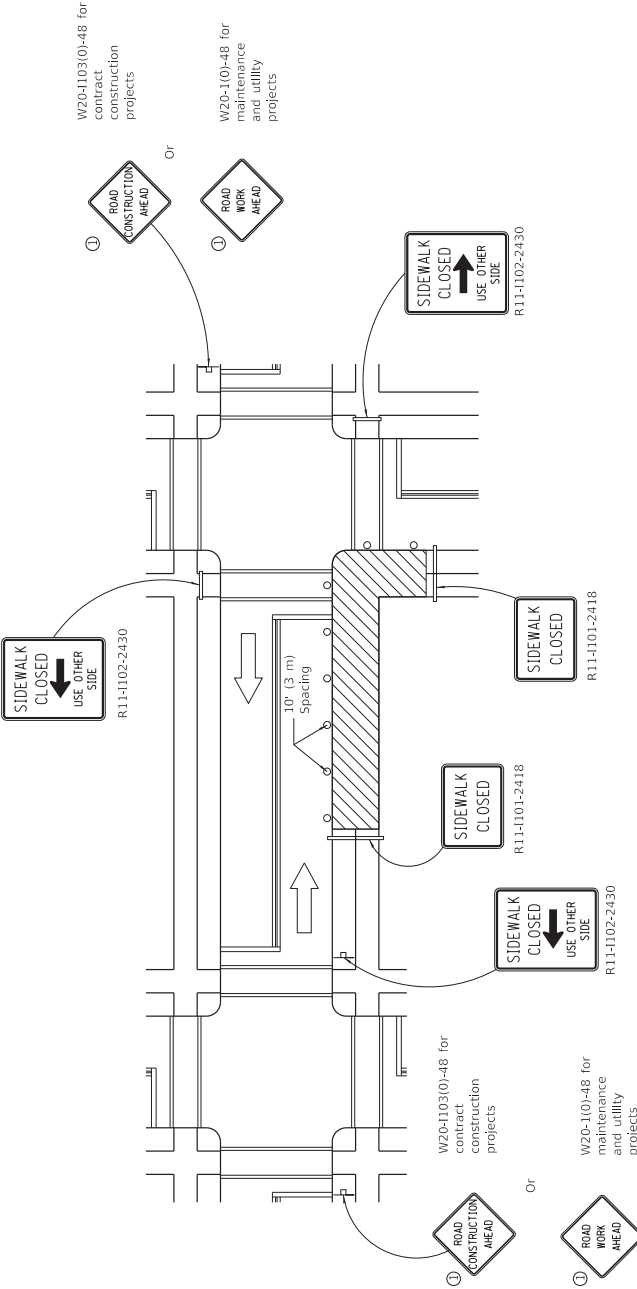
PASSED: APRIL 1, 2016

APPROVED: APRIL 1, 2016

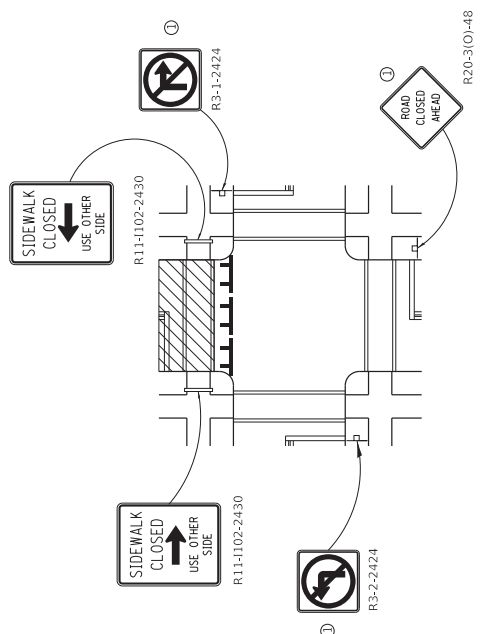
ENGINEER OF SAFETY ENGINEERING

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07



CORNER CLOSURE



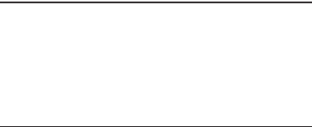
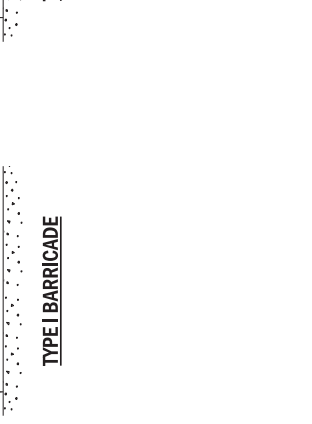
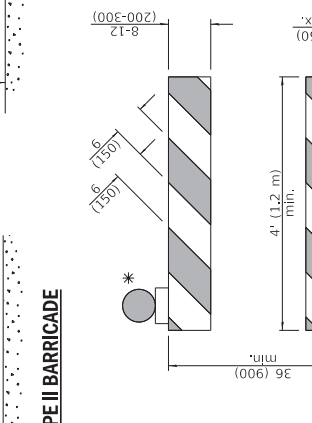
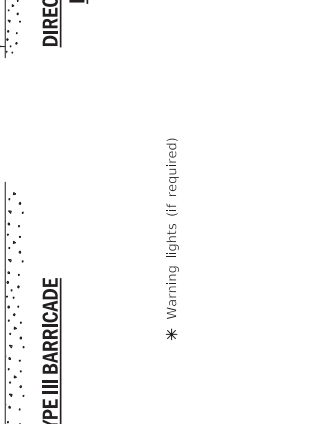
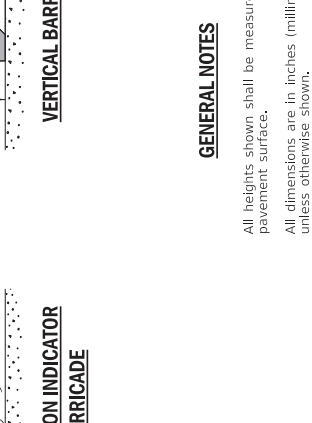
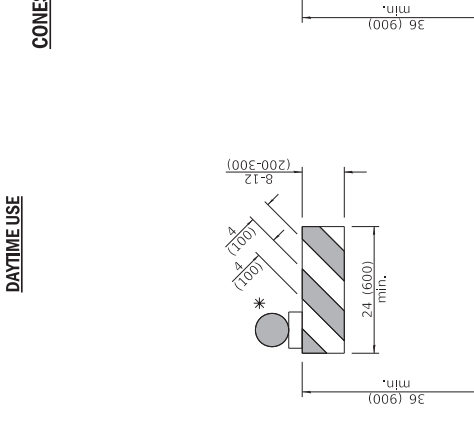
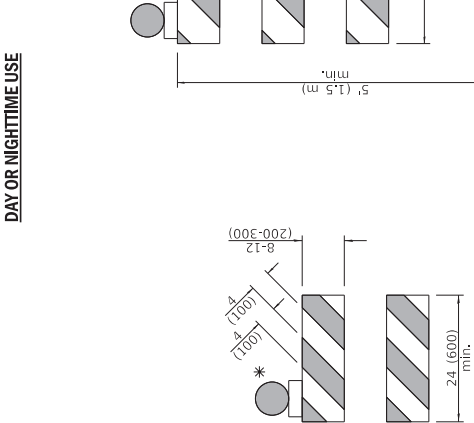
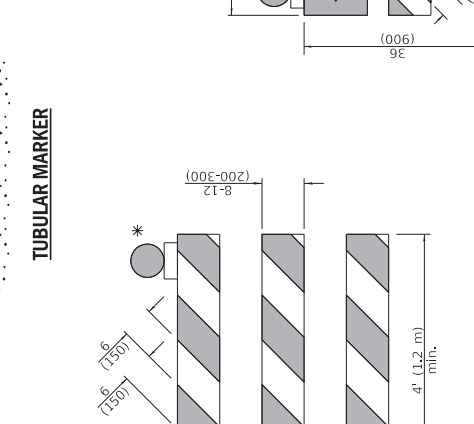
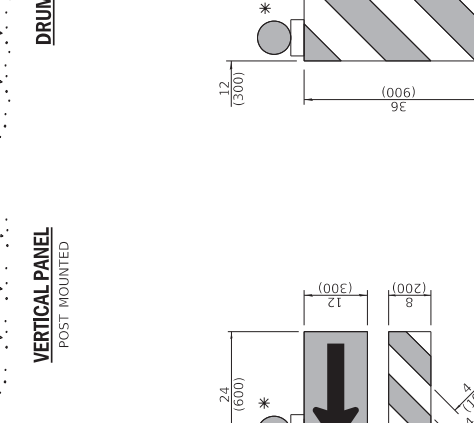
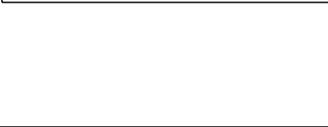
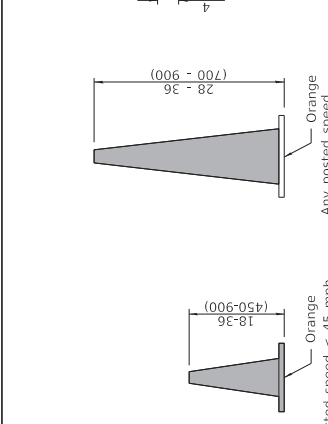
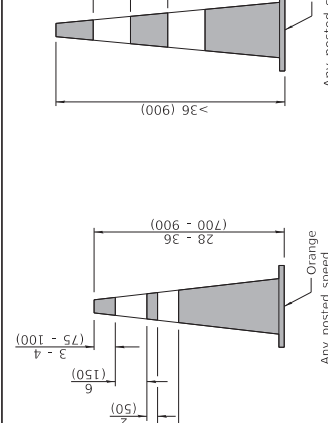
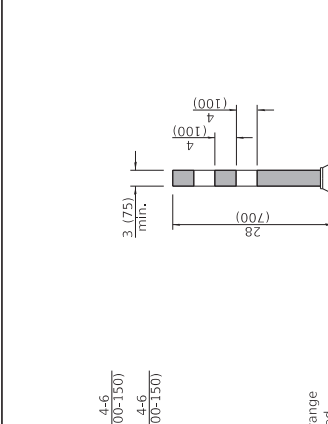
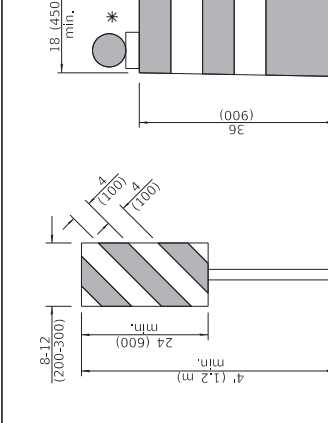
CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

Illinois Department of Transportation PASSED APRIL 11 2016 <i>[Signature]</i> ENGINEER OF SAFETY ENGINEERING	ISSUED 1-1-07
	APPROVED APRIL 11 2016 <i>[Signature]</i> ENGINEER OF DESIGN AND ENVIRONMENT



* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

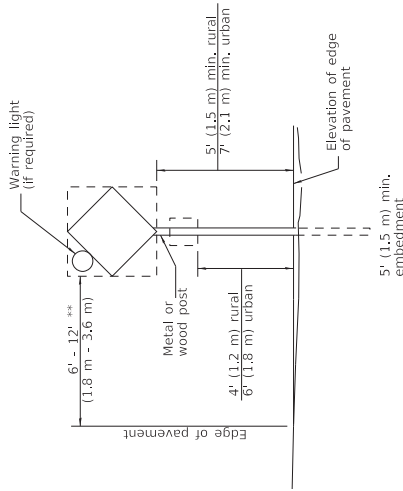
DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES
(Sheet 1 of 3)

STANDARD 701901-08

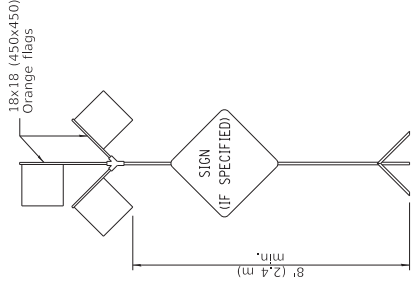
Illinois Department of Transportation
 APPROVED: [Signature] January 1, 2019
 ENGINEER OF SAFETY PROC. AND ENGINEERING
 APPROVED: [Signature] January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13



POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



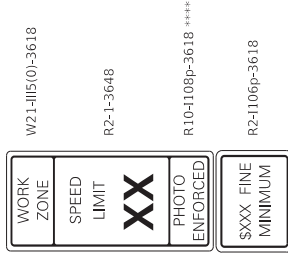
HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES
G20-1104(0)-6036

END CONSTRUCTION
G20-1105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.
ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.
END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).
Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



Sign assembly as shown on Standards or as allowed by District Operations.



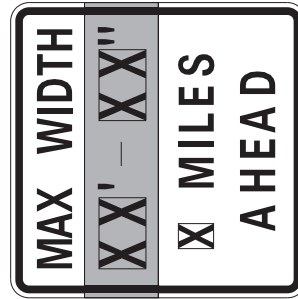
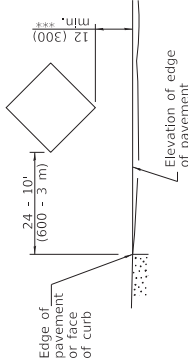
This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-1108p shall only be used along roadways under the jurisdiction of the State.

SIGNS ON TEMPORARY SUPPORTS

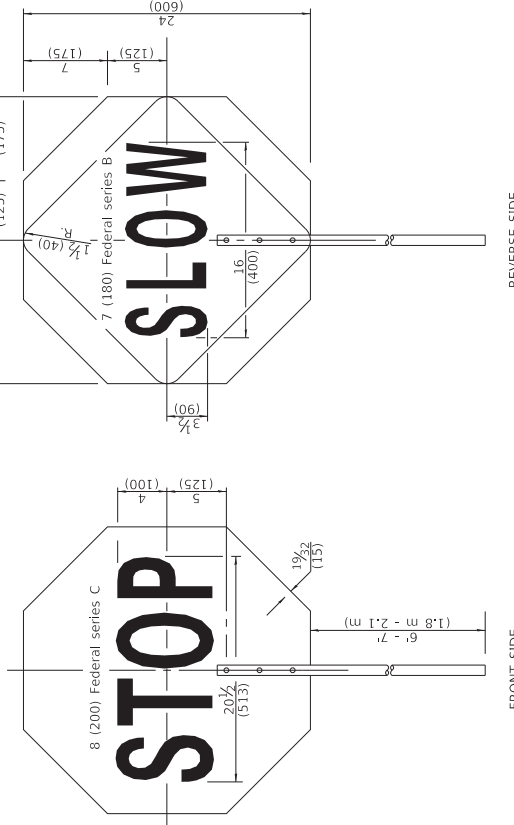
*** When work operations exceed four days, this dimension shall be 5' (1.5 m) to the back of the sign. When other devices, the height shall be sufficient to be seen completely above the devices.



W12-1103-4848

WIDTH RESTRICTION SIGN

XX-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE

Illinois Department of Transportation
APPROVED January 1, 2019
Cynthia C. [Signature]
ENGINEER OF SAFETY PROC. AND ENGINEERING
APPROVED January 1, 2019
S. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

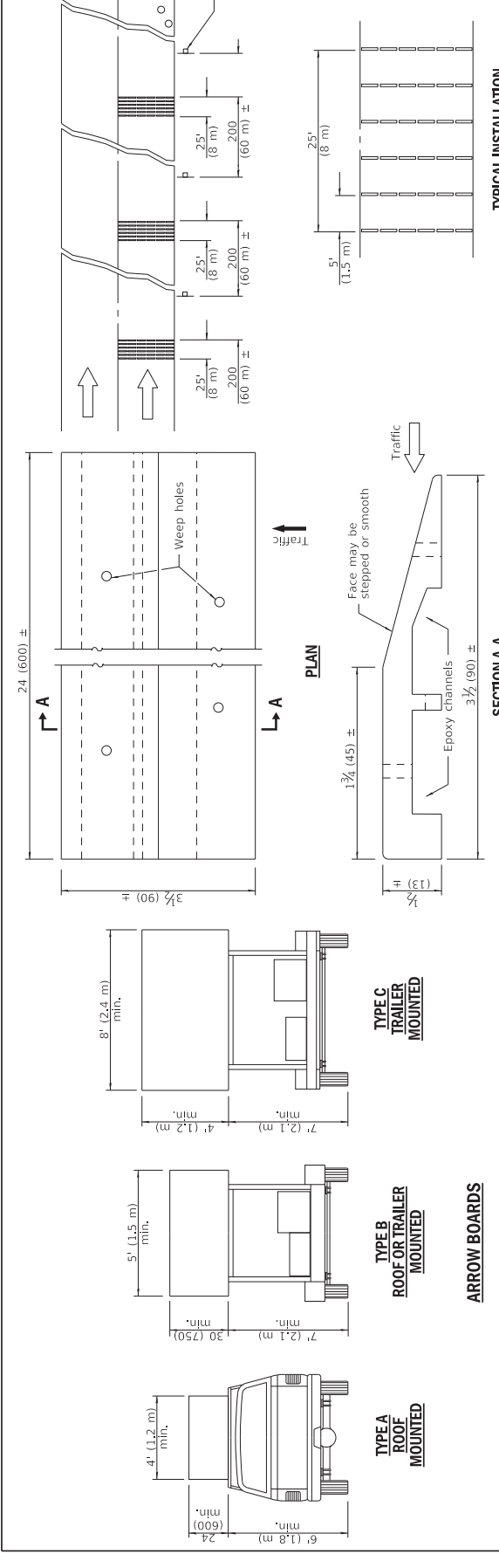
ISSUED 1-1-13

FLAGGER TRAFFIC CONTROL SIGN

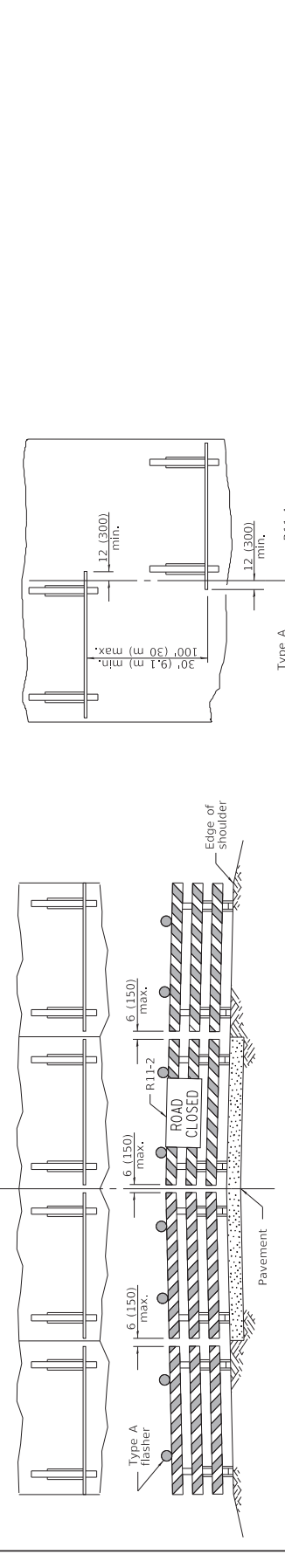
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

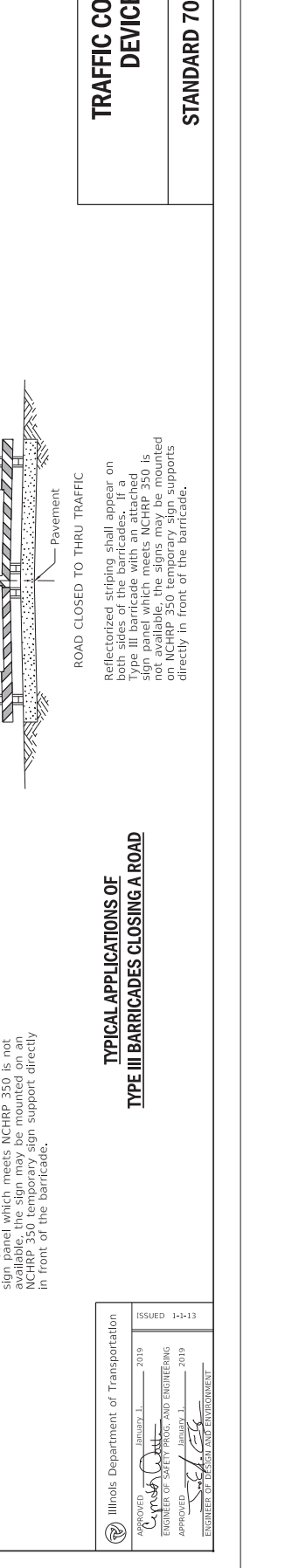
STANDARD 701901-08



ARROW BOARDS



TEMPORARY RUMBLE STRIPS



TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

ILLINOIS DEPARTMENT OF TRANSPORTATION

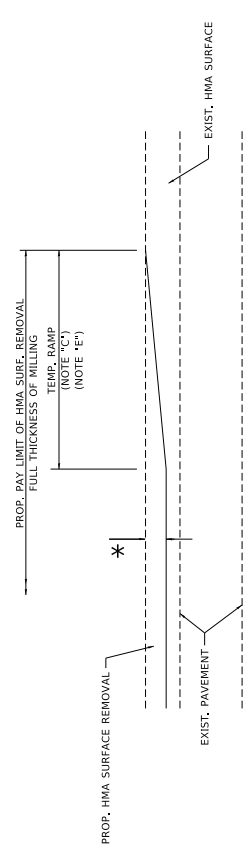
APPROVED January 1, 2019
[Signature]
 ENGINEER OF SAFETY PROC. AND ENGINEERING

APPROVED January 1, 2019
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

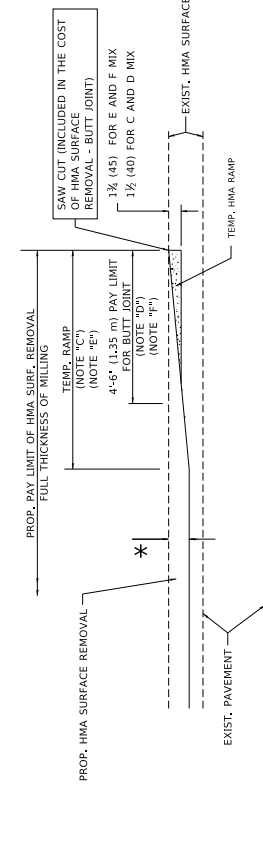
TRAFFIC CONTROL DEVICES
 STANDARD 701901-08
 (Sheet 3 of 3)

ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade will be used, the striping shall be white. MCHRP 350 is not available, the signs may be mounted directly in front of the barricade.



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

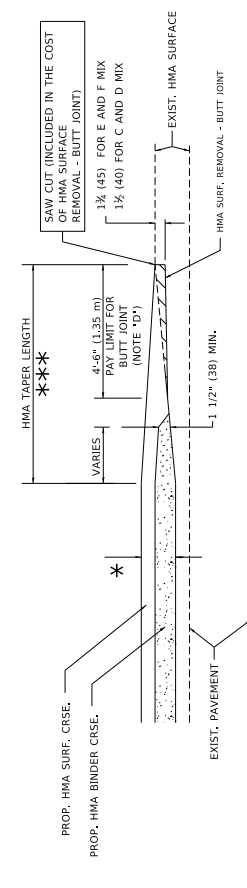
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

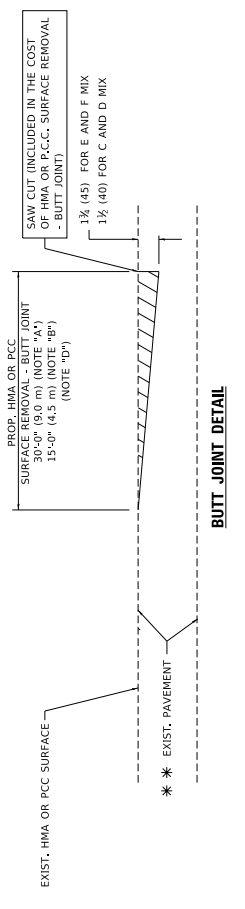
OPTION 2

TYPICAL TEMPORARY RAMP

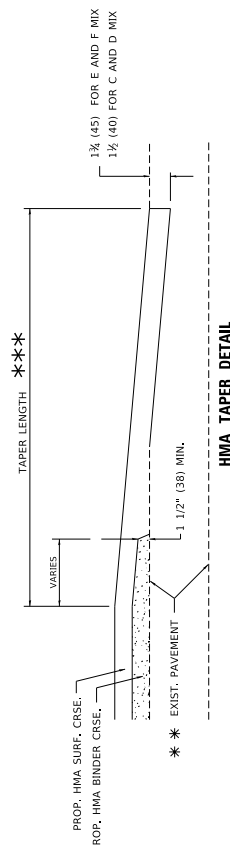


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

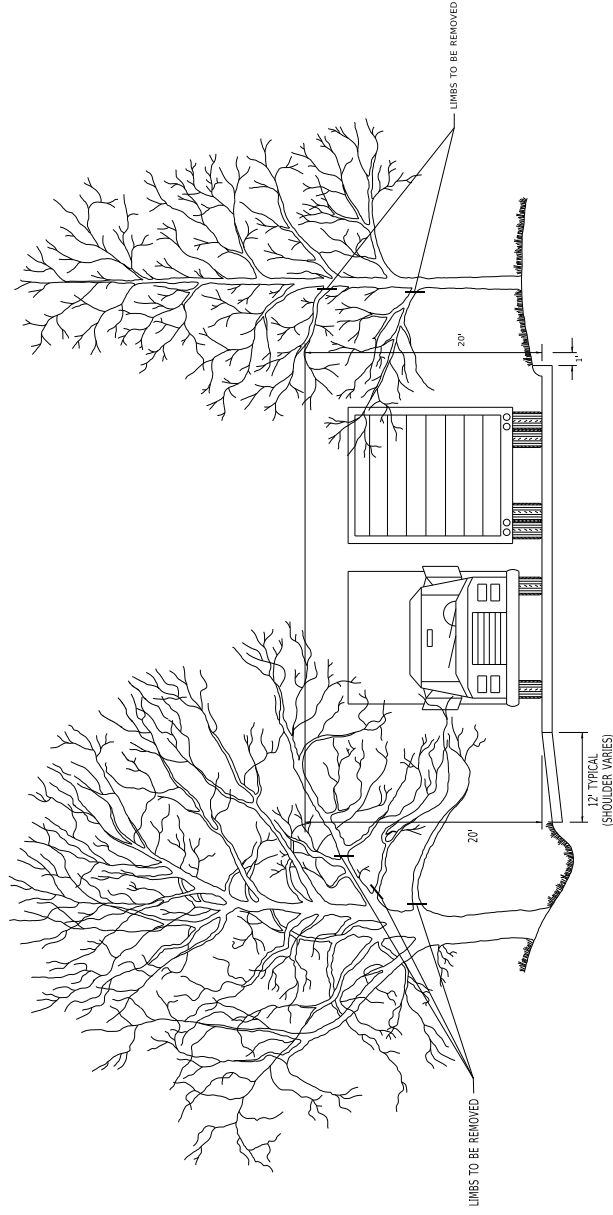
- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT. ** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL - BUTT JOINT". ** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) SURFACE REMOVAL - BUTT JOINT OR FOR PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME	DESIGNED	M. DE YONG	REVISION	R. SHARR (10-25-04)	SECTION	BD400-05	COUNTY	ILLINOIS	SHEET NO.	1
PROJECT NAME	DRAWN	A. ABBAS (12-21-07)	REVISION	M. GONZALEZ (04-06-01)	SECTION	BD400-05	COUNTY	ILLINOIS	SHEET NO.	1
PROJECT NO.	CHECKED	M. GONZALEZ (04-06-01)	REVISION	R. BORDO (10-21-07)	SECTION	BD400-05	COUNTY	ILLINOIS	SHEET NO.	1
PROJECT DATE	DATE	06-13-2008	REVISION		SECTION	BD400-05	COUNTY	ILLINOIS	SHEET NO.	1
					SCALE:	NONE	SHEET 1 OF 1 SHEETS		TO STA.	
					STATE OF ILLINOIS		DEPARTMENT OF TRANSPORTATION		BUTT JOINT AND HMA TAPER DETAILS	
									CONTRACT NO.	



USER NAME	DATE	DESIGNED	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE		SECTION	COUNTY	WORK SHEETS	SHEET NO.
PROJECT NAME	DATE	DRAWN	REVISIONS	SCALE: NONE		SHEET 1 OF 1 SHEETS		BIM-20	ILLINOIS	FED. AID PROJECT	TO STA.
PROJECT NO.	DATE	CHECKED	REVISIONS	SCALE: NONE		SHEET 1 OF 1 SHEETS		BIM-20	ILLINOIS	FED. AID PROJECT	TO STA.
PROJECT NO.	DATE	DATE	REVISIONS	SCALE: NONE		SHEET 1 OF 1 SHEETS		BIM-20	ILLINOIS	FED. AID PROJECT	TO STA.

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

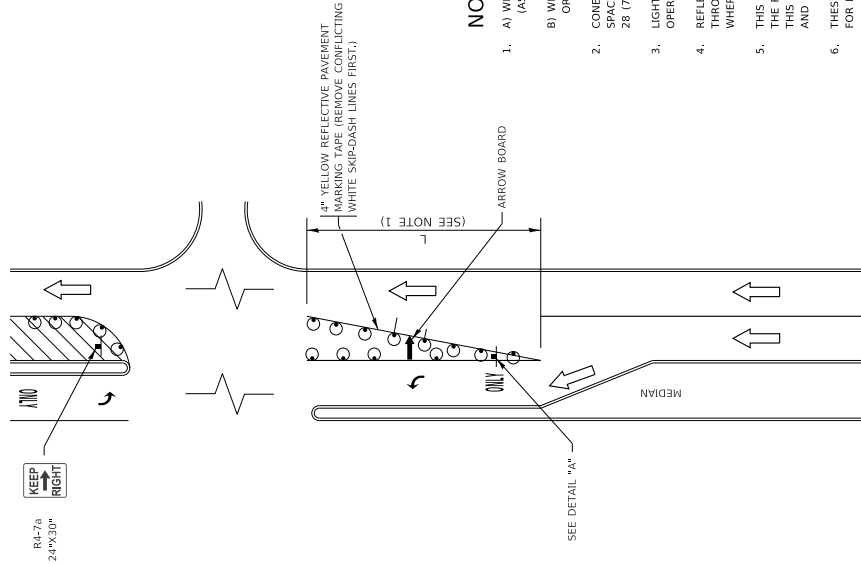
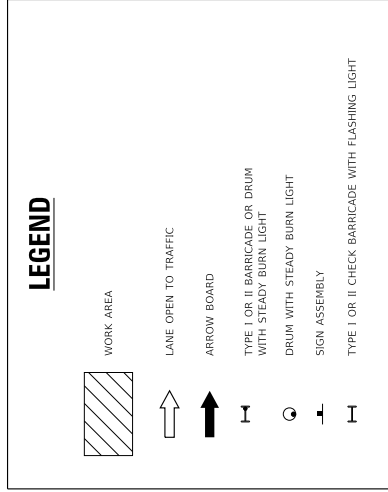


FIGURE 1

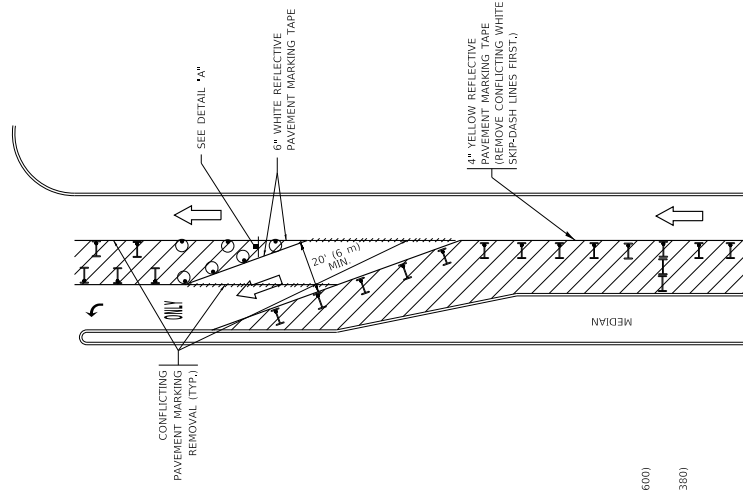
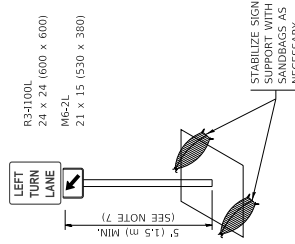


FIGURE 2



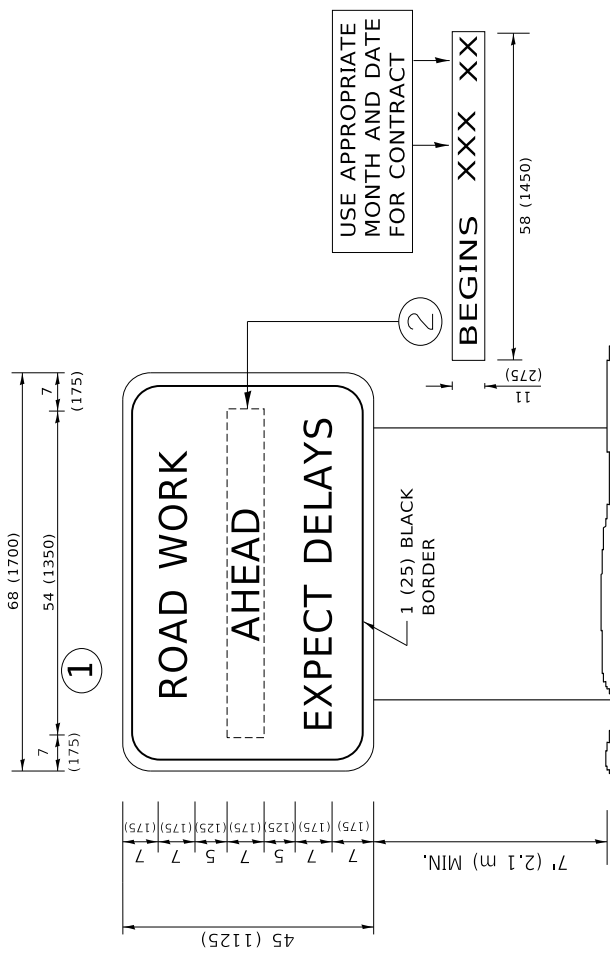
DETAIL A

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (7.0) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME	DESIGNED	REVISIONS	STATE OF ILLINOIS	SECTION	CONTRACT NO.
PLLOT SCALE	DRAWN	REVISIONS	DEPARTMENT OF TRANSPORTATION	TC-14	ILLINOIS TPO-AD-PROJECT
PLLOT DATE	CHECKED	REVISIONS	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)		
	DATE		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ARTERIAL ROAD INFORMATION SIGN		SECTION TC-32	COUNTY	CONTRACT NO.	SHEET NO.
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
DESIGNED -	USER NAME -	DESIGNED -	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS
DRAWN -	USER NAME -	DRAWN -	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS
CHECKED -	USER NAME -	CHECKED -	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS
DATE -	USER NAME -	DATE -	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS

ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Pay Estimate #1 – Clarifying Statement

Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

Insert Sentence: All certified payroll reports have been submitted through the Illinois Department of Labor Certified Payroll portal at illinois.gov.portal.

ABC Construction has submitted all necessary certified payroll documentation for Pay Estimate #1 through January 1st, 2017. Payrolls included in this period are:

ABC Construction Week Ending 12/24/16 #1

Week Ending 1/1/17 #2

Subcontractor 1 Week Ending 1/1/17 #1

Sincerely,



Joe Smith, Vice President



ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Week of January 1st, 2017 – Weekly Update

Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

Here is the weekly update for the week of January 1 (weather permitting)
Monday, January 1 – Curb and concrete driveway removal on West side of Lauren and North side of Mohawk. Access made temporary after removal but before pour.

Tuesday, January 2 – Curb and concrete driveway removal continues on North side Mohawk and East side of Gregg. Access made temporary after removal but before pour.

Wednesday, January 3 – Curb poured on West side of Lauren, North Side of Mohawk and East side of Gregg.

Thursday, January 4 – Concrete driveways and sidewalks poured Lauren, Mohawk, and Gregg.

Friday, January 5 – Structure adjustments and any remaining concrete poured.

ABC Construction will pass out notices the day before notifying residents of this closing and will also knock on door the day of removal to avoid trapping any vehicles in. Concrete curb and aprons are scheduled to be poured starting Wednesday January 3 and there will be no access to driveways for seven days. ABC Construction will distribute a notification of this closure and explain your overnight parking options. Thank you for your patience throughout the ongoing project.

All streets in construction zone will be open but you will encounter delays as we load and unload materials. All driveways will be open during construction except for when we are installing water services directly adjacent to a driveway there will be a time where access will be limited. ABC will notify residents and make arrangements to ensure you have use of your vehicles during this time. Thank you again for your patience and understanding during construction.

Sincerely,



Joe Smith, Vice President

ABC Construction

123 Main St., Chicago, IL 60001
123-123-1234

1/1/2017

Driveway Closure Notice

Resident
Buffalo Grove, IL 60089

As part of the road rehabilitation process a portion of curb, and possibly a portion of your driveway apron, will be replaced. Please have all vehicles out of your driveway by 7 AM on;

_____, _____, 2017
(day) (date)

During the rehabilitation process you will lose access to your driveway for a maximum of 7 working days from this date regardless of weather. If access is prior to the 7 days it will be recognizable by the removal of the barricades.

Parking: You may park on either side of the street as long as you are not inhibiting curb/driveway removal, consequential replacement of either or as otherwise noted by law. The Police Department has been notified and overnight parking restrictions have been lifted for all roadways under construction and the adjacent streets. For everyone’s safety please do not park on the roadways under construction during working hours (7 AM to 6 PM, Monday thru Friday).

Notice: You have received this notice at least 1 day in advance of construction. As a courtesy, we will knock on your door one time the morning of the removal process. It is still up to you to have your car out by 7AM on the noted day. Thank you in advance for your cooperation.

This notice has been hand-delivered to you by the construction contractor, ABC Construction.

Any questions regarding this notice can be directed to the Project Manager Joe Smith at 321-765-4321.

Sincerely,



Joe Smith, Project Manager

3/31/2014
#100302
7/14/2016
#669681

SAMPLE LETTER OF CREDIT

ABC Bank
123 Main Street
Anywhere, Illinois

Irrevocable Standby Letter of Credit No. 1

Beneficiary:
Village of Buffalo Grove
Fifty Raupp Road
Buffalo Grove, IL 60089-219

Applicant:
Developer Company
Lake Cook Road
Buffalo Grove, IL 60089

Issue Date: October 18, 2012
Expiration Date: October 18, 2012

Gentlemen:

We hereby issue in your favor our Irrevocable Standby Letter of Credit No. 1 (“Letter of Credit”) in favor of the Village of Buffalo Grove (“Beneficiary”) on behalf of Developer Company (“Applicant”), up to the aggregate amount of \$171,026.94 (One Hundred Seventy One Thousand Two Hundred Fifty Nine and 94/100 United States Dollars) to be available by draft(s) at sight. This credit is issued presentable and payable at the offices of our ABC Bank 123 Main Street, Anywhere, Illinois Attn: Letter of Credit Department and expires at 5:00 PM Chicago time on October 18, 2013 (subject to extension of such expiry date, as provided below).

This Credit is available against presentation of draft(s) drawn at sight on ABC Bank, Anywhere, Illinois. All draft(s) drawn under this Letter of Credit must bear the clause “Drawn under ABC Bank Irrevocable Letter of Credit No. 1 dated October 18, 2012”, and be accompanied by this original Letter of Credit (and amendments, if any) and a dated certificate of an authorized official agent of the Village of Buffalo Grove (signed as such), certifying that either:

- 1) Said Letter of Credit is about to expire and has not been extended; or
- 2) Work has not been completed and formally accepted by the President and Board of Trustees of the Village of Buffalo Grove, in accordance with the plans specification, and agreements (including amendments thereof) for the project commonly known as Residential Development on Main Street.

This Letter of Credit shall be automatically extended for an additional period of one year from the present and each future expiration date unless we have notified the Beneficiary in writing, no more than one hundred twenty (120) calendar days nor less than sixty (60) calendar days before such expiration date, that we elect not to extend this Letter of Credit. Our notice of such election shall be sent by certified mail overnight courier service to the above Beneficiary address Attention: Village Clerk. Drafts must be

presented to drawee bank no later than 5:00 PM Central Time on or before the expiry day. Upon receipt by you of our notice of election not to extend this Letter of Credit, you may draw hereunder prior to the then current expiration date of this Letter of Credit.

We hereby agree with you that drafts drawn under and in compliance with the terms of this Letter of Credit shall be honored no later than the close of the third banking day following the presentment. If we fail to honor same, we agree to pay all attorneys fees, court costs and other expenses incurred by the Village of Buffalo Grove in enforcing the terms of this Letter of Credit.

Cancellation of Letter of Credit prior to expiration: This Letter of Credit (and amendments, if any) must be returned to us for cancellation with a statement signed by the Beneficiary stating that the Letter of Credit is no longer required and is being returned to the issuing bank for cancellation.

Jurisdiction of this letter of Credit shall be in the State of Illinois and venue shall be Cook County.

Please address all correspondence regarding this Letter of Credit to the attention of our Letter if Credit Department mentioning our Letter of Credit as it appears above.

Very Truly Yours,
ABC Bank

By:
Its: Vice President

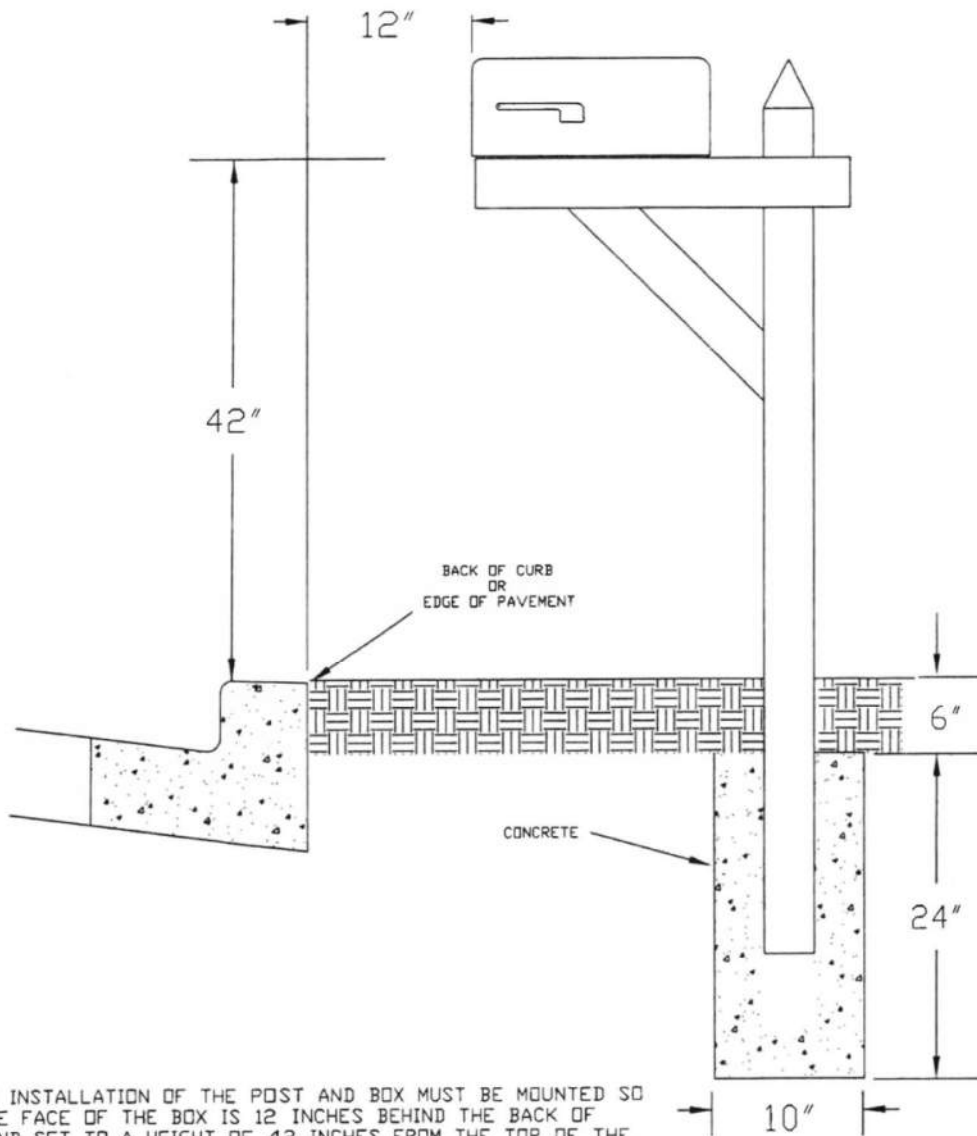
TEMPORARY NO PARKING

TIME:

DATE:

CONSTRUCTION ZONE

Note – Hand written information must be dark, legible and large. Sign shall be printed on more than paper, unless laminated. Must withstand winds and stay on stake/lath.



THE INSTALLATION OF THE POST AND BOX MUST BE MOUNTED SO THE THE FACE OF THE BOX IS 12 INCHES BEHIND THE BACK OF CURB AND SET TO A HEIGHT OF 42 INCHES FROM THE TOP OF THE CURB TO THE BOTTOM OF THE BOX. THE POST SHOULD BE SET IN A HOLE 10 INCHES IN DIAMETER AND 30 INCHES DEEP.

CONCRETE SHOULD BE PLACED AROUND THE POST AND UP TO 6 INCHES FROM THE FINISHED SURFACE.

THE MATERIAL USED FOR THE POST SHALL BE A 4" X 4" PRESSURE TREATED POST OR 1 1/2" I.D. MINIMUM TO A 2" I.D. MAXIMUM STEEL OR ALUMINUM POST, MAXIMUM WALL THICKNESS 0.154".

MAILBOX
INSTALLATION

G:\ENGINEER\FORMS\MAILBOXINSTALLATION.DWG

**EXHIBIT NO.109
MATERIALS LIST**

Date of revision: 1/1/16

Water Distribution Material Specifications:

Water main pipe.	Ductile Iron Pipe. Pipe class thickness—AWWA C150, minimum thickness, Class 52. Pipe—AWWA C151. Pipe lining—AWWA C104. Fittings—AWWA C153. Joints—mechanical and push-on, AWWA C111. Wrap—4 mil. X-Lam conforming to AWWA C105.A21.5 and AWWA C600. No 90 degree bends allowed. All stainless steel trim.
Valves.	American Flow Control, Series 2500 resilient wedge gate valve, All sizes two inch to fourteen inch, counter clockwise to open, AWWA C500., AWWA C504. Clow AWWA C-504 Butterfly Valve for sixteen inch and above. Joint end—mechanical, AWWA C111. All stainless steel trim.
Valve Vault.	All structures shall be monolithically precast with designed openings or mechanically cored in the field and shall have rubber boots conforming to ASTM C-923. Dog house vaults are excluded from these requirements when permitted by Village Engineer. Size: For six and eight inch diameter valves, valve vaults shall have a forty-eight inch inside diameter; for pressure connections and valves ten inches and larger in diameter, valve vaults shall have a sixty inch inside diameter. All valve vault cones must be eccentric centers with valve properly aligned.
Castings.	East Jordan Iron Works 1022 Frame and Lid or Neenah R-1713, embossed per Exhibit No. 401 of Buffalo Grove Numerical Code Title 16.
Fire Hydrant.	Waterous Pacer Model WB67-250, AWWA C502, painted fire engine red above ground, with resilient wedge auxiliary gate valve. Nozzles, two at two and one half inch, one at four and one half inch, with threads conforming to National Standard Specifications. Frangible section (breakaway type) with the break line flange located one inch above finished grade. Joint end, six inch, mechanical or push-on. All stainless steel trim. Auxiliary boxes and hydrants shall be a direct flange-to-flange connection.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by Waterous only. All stainless steel trim.
Hydrant Valve Box \ Valve boxes	Hydrant Valve Box Tyler 664-S. Lid embossed "WATER." Rubber valve box stabilizer required.
Service Pipe.	Copper tube, two inches and smaller, ASTM B88, Type K (1" minimum). Ductile iron, larger than two inches. Conform to Water main section above. Service upgrade for existing water main requires a stainless steel tap repair clamp. Ford model FS1-CC, minimum length 15" long.
Corporation Stop.	Mueller H15000, 1" minimum, AWWA C800. 1" Direct tap or 1 1/4" and larger shall use Ford FC202 stainless steel band, epoxy coated saddle.
Curb Stop.	Copper service, Mueller H-15154. Ductile iron service, Resilient wedge counter clockwise to open, AWWA C500. Joint end—mechanical, AWWA C111.
Curb box	Copper service, Mueller H-10302. Ductile iron service, conform to Hydrant Valve Box section above. Ductile iron service, 6" and larger, conform to Valve Vault section above.
Copper to Copper Fittings	Mueller Company Model #H-15400. An all flared coupling is required, no sweat joint or compression allowed.
Pressure Connections	Ford FTSS style tapping sleeve. American Flow Control Series 2500 tapping valve four inch minimum. All stainless steel trim.

Sanitary Sewer Material Specifications:

Sewer and Service Connection Pipe	Reinforced concrete pipe—circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining. PVC solid wall (SDR-26H) pipe—ASTM D-3034 for six to fifteen inches in diameter.
Sewer and Service Connection Pipe Joints.	Reinforced concrete pipe—ASTM C443. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sewer and Service Connection Pipe Fittings	PVC solid wall (SDR-26H) pipe—ASTM D3034 for six to fifteen inches in diameter.
Casing Pipes.	Steel pipe—ASTM A120, three-eighths inch minimum thickness.
Manholes	Size: For sewer eighteen inch diameter or less, manhole shall have a forty-eight inch inside diameter. For sewer twenty-one inch to thirty-six inch diameter, manhole shall have a sixty inch inside diameter. For sewer greater than thirty-six inch diameter, manhole shall have an offset riser pipe of forty-eight inch inside diameter. All structures shall be monolithically precast including bases and invert flow lines.
Castings.	East Jordan Iron Works Frame 1022 or Neenah R-1713, with self-sealing lid and recessed pick hole, embossed per Exhibit No. 301 of Buffalo Grove Numerical Code Title 16.

Storm Sewer System Material Specifications:

Structures.	All structures shall be precast with designed openings or mechanically cored in the field.
Castings.	Closed Lid, East Jordan Iron Works 1022 or Neenah R-1713, embossed per Exhibit No. 201., Open Lid, East Jordan Iron Works 1022 or Neenah R-1713, Standard B4.12 or any other barrier curb, Type 11— East Jordan Iron Works 7210 or Neenah 3281-A or Neenah 3170 on existing structures where required. Box height must be 6” minimum with 5’ tapers to match curb height., Depressed barrier curb, Type M3 Grate, Yard inlet, Type 8— East Jordan Iron Works 6517 or Neenah R-4340-B
Sewer Pipe Joints.	Reinforced concrete pipe—ASTM C443 or C361. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sump pump service connection pipe/sub surface drain pipe.	4” PVC solid wall sewer pipe SDR-35. Blind connections must be cored in storm sewer and pipe connection shall be made with a rubber boot and stainless steel band. Sump pump per Exhibit No. 202 of Buffalo Grove Numerical Code Title 16 and underdrain per Exhibit No. 203.

Material Specifications For All Utilities:

Bedding	CA-11, Class B or better. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 90% modified proctor density as required by ASTM D1557 or AASHTO T-180. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Trench Backfill	CA-11, Class B or better. This item shall meet the requirements of Class B CA-11, per the IDOT Standard Specifications for Road and Bridge Construction. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180. Jetting of trenches is not permitted. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Adjustments	No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed, minimum one 2” ring installed on new structures. All adjustment rings less than 2” shall be HDPE rings. Only one HDPE may be used within the precast tolerances. Only precast concrete or

	HDPE adjustment rings permitted. ½” x 3.5” mastic to be used between all frames, rings and structures. Mortar around rings, but none between. Bed of mortar can be used on cone or flat top of structure.
--	---

Miscellaneous Material Specifications:

Detectable Warnings	East Jordan Iron Works or Neenah cast iron detectable warnings. Color shall be brick red.
Concrete	In accordance with IDOT Standard Specifications for Road and Bridge Construction
Asphalt	In accordance with IDOT Standard Specifications for Road and Bridge Construction and Section 16.50.070 of the Village of Buffalo Grove Municipal Code

* The Village Engineer shall have the authority to approve the use of alternative materials than those specifically required by Exhibit 109 in the manner provided for in Title 16 of the Village of Buffalo Grove Numerical Code. The Village Engineer may approve alternative materials that are not specifically required by this title when:

1. The materials or their components required by this title are no longer manufactured and available for purchase; and
2. The alternative materials are generally consistent with requirements of this title, including but not limited to those standards relating to production, composition, safety and aesthetics.

Testing Specifications:

(In addition to the requirements of IDOT’s Standard Specifications for Road and Bridge Construction or the Standard Specifications for Water and Sewer Construction in Illinois)

Storm Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer
Sanitary Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer

*When conflicting information exists between the plans specifications and this exhibit number 109 the information listed in exhibit number 109 shall govern. All castings on a project or development shall come from a single manufacturer.



Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

June 11, 2020
File No. 25216

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, Illinois 60089

Re: Pavement Investigation
Forest & Glendale Project
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation for the various streets included in the above referenced project. The investigation was requested to determine existing pavement sections.

The field investigation included pavement coring at 33 locations to determine material types and thicknesses. Additionally, soil borings were performed at 10 of the core locations. We auger drilled the borings to depths of 7.5 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

RESULTS OF THE INVESTIGATION

Enclosed are core and boring logs indicating the pavement and soil conditions encountered at each location. The summary table below indicates pavement materials and thicknesses encountered at each location. Please refer to the individual core logs and pictures for more detailed information.

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Bituminous Treated Aggregate(in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
1	5.75*	---	5.75	---	9.25	15.0
2	3.75*	2.0	5.75	---	9.25	15.0
3	3.25*	2.0	5.25	---	10.75	16.0
4	3.75*	2.0	5.75	---	11.25	17.0
5	5.0	---	5.0	1.5	10.5	17.0
6	3.25	---	5.5	2.25	6.5	12.0
7	4.5	3.75	8.25	---	9.75	18.0
8	3.25	---	3.25	3.75	8.0	15.0
9	1.25*	4.25	5.5	---	10.5	16.0
10	2.5*	3.5	6.0	---	6.0	12.0
11	1.75*	4.0	5.75	---	6.25	12.0
12	1.25*	4.0	5.25	---	9.75	15.0
13	2.0*	3.0	5.0	---	9.0	14.0
14	1.5*	---	1.5	3.5	9.0	14.0
15	3.25	4.5	7.75	---	5.25	13.0
16	2.25	1.0	3.25	---	10.75	14.0
17	2.75	1.25	4.0	---	8.0	12.0
18	2.25	1.25	3.5	---	10.5	14.0
19	1.75	1.25	3.0	---	9.0	12.0
20	4.75*	2.25	7.0	---	9.0	15.0
21	4.0	---	4.0	---	9.0	13.0
22	4.75	---	4.75	---	7.25	12.0
23	4.0	8.5	12.5	---	3.5	16.0
24	4.5	7.25	11.75	---	3.25	15.0
25	4.5	2.5	7.0	---	9.0	16.0
26	4.25	2.0	6.25	---	8.75	15.0
27	3.0	2.0	5.0	---	16.0	21.0
28	3.0	2.25	5.25	---	9.75	15.0
29	2.0	2.25	4.25	---	10.75	15.0
30	2.0	2.5	4.5	---	8.5	13.0
31	2.25	2.75	5.0	---	11.0	16.0
32	2.25	3.0	5.25	---	6.75	12.0
33	2.25	3.0	5.25	---	9.75	15.0

Note: Failures noted in the pavement sections have the thicknesses shown in **bold**.
 Granular base contaminated with clay have the thicknesses shown in **bold**.
 The presence of reflective crack control fabric is indicated by (*).

Soil borings were performed at locations C/B-1, C/B-7, C/B-9, C/B-12, C/B-16, C/B-22, C/B-23, C/B-28, C/B-30 and C/B-33. Fill soil conditions were encountered at borings C/B-7, C/B-9, C/B-16 and C/B-33. Composition of the fill includes the presence of clay/silt/sand, sand, clay/silt and silt/clay/sand mixtures extending to depths of 2.0 feet to 7.5+ feet at these boring locations. The

limits of fill placement were not determined within the scope of this investigation. Larger debris may also be present within the fill but was not encountered during the investigation.

Underlying natural soil conditions include the presence of cohesive soils. These are classified as very tough to very hard clay/silt mixtures with lesser portions of sand and gravel.

Non-cohesive soils were also encountered as indicated at boring C/B-9. These include very loose silt mixtures. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

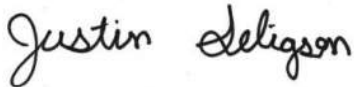
CONCLUSION

This report has been prepared to assist in initial determination of existing pavement sections and supporting soil conditions. Locally varying conditions may be present between test locations.

If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

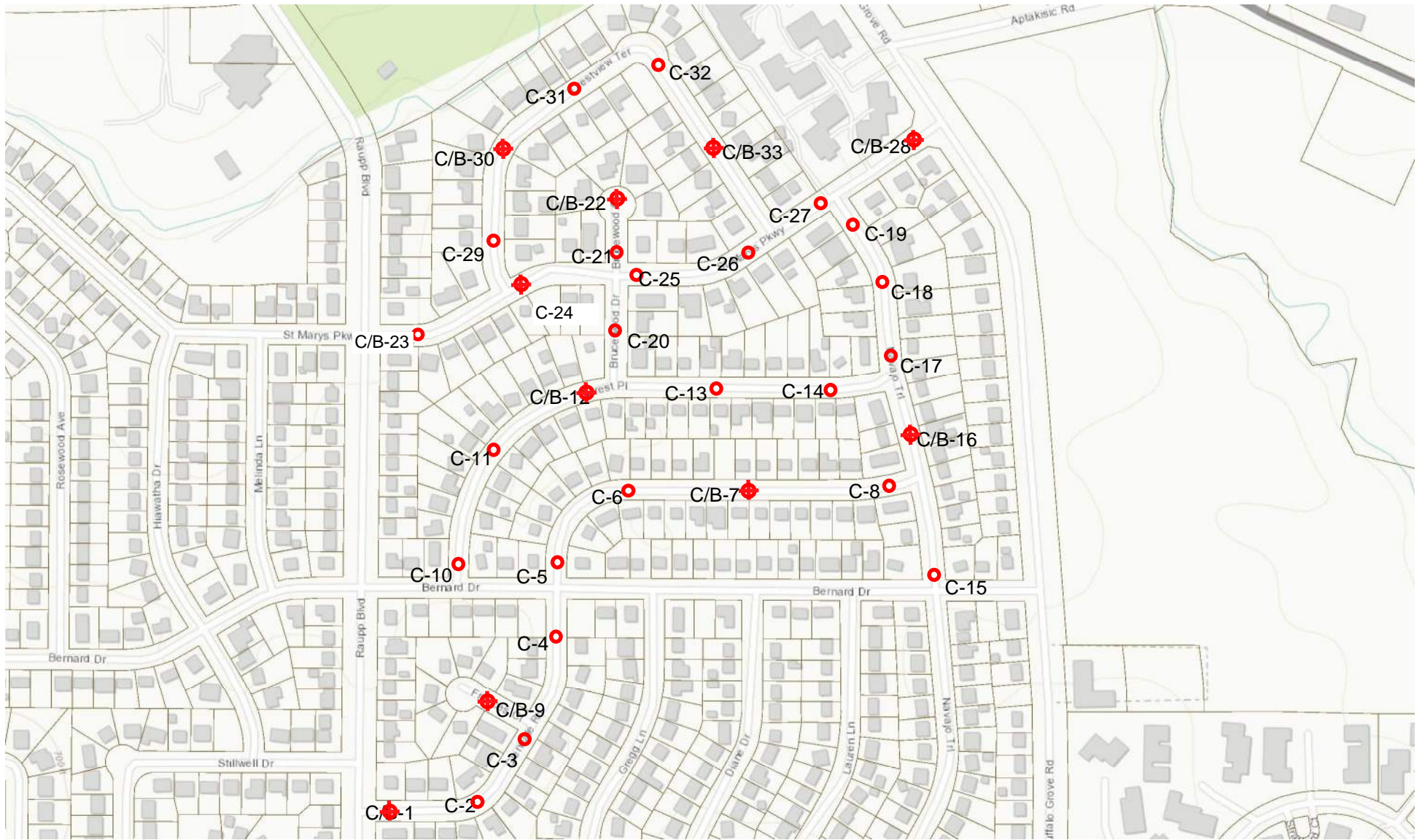


Justin Seligson, E.I.T.
Project Engineer



Thomas P. Johnson, P.E.
President

JMS:TPJ
Enc.



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	FOREST & GLENDALE PROJECT		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25216	Date: 6-2-20	Scale: 1" ≈ 400'



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 5/27/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-1 Work Done By: AC - CS - AQ

Location of Core: 2' S of CL

Comments: 489 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface Petromat	Full
2 ---	1-1/4" Bituminous concrete - Surface	Full
3 ---		
4 ---	3-0" Bituminous concrete - Surface	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	9-1/4" Crushed & uncrushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-2 Work Done By: AC - CS - AQ

Location of Core: 3' N of CL

Comments: 458 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---	Petromat	
3 ---	2-0" Bituminous concrete - Surface	Full
4 ---		
5 ---	2-0" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	9-1/4" Crushed & uncrushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

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File No: 25216

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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-3 Work Done By: AC - CS - AQ

Location of Core: 6' SE of CL

Comments: 439 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface Petromat	Full
2 ---		
3 ---	2-0" Bituminous concrete - Surface	Full
4 ---		
5 ---	2-0" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	10-3/4" Crushed & uncrushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total: 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-4 Work Done By: AC - CS - AQ

Location of Core: 5' W of CL

Comments: 394 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface Petromat	Full
2 ---	1-1/2" Bituminous concrete - Surface (failed)	Partial
3 ---	1-0" Bituminous concrete - Surface	No bond Full
4 ---		
5 ---	2-0" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	11-1/4" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---	Total: 17-0"	
18 ---	E.O.C.	
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-5 Work Done By: AC - CS - AQ

Location of Core: 8' E of CL

Comments: Glendale Road, 65' N of Bernard Drive CL

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---	1-1/2" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	1-3/4" Bituminous concrete - Surface	Full
6 ---		No bond
7 ---	1-1/2" Bituminous treated aggregate (failed)	Partial
8 ---		
9 ---		
10 ---		
11 ---		
12 ---	10-1/2" Crushed gravel with fines	Partial
13 ---		
14 ---		
15 ---		
16 ---		
17 ---	Total: 17-0"	
18 ---	E.O.C.	
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-6 Work Done By: AC - CS - AQ

Location of Core: 8' N of CL

Comments: 184 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---	1-1/4" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	2-1/4" Bituminous treated aggregate (failed)	Partial
6 ---		
7 ---		
8 ---		
9 ---	6-1/2" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-7 Work Done By: AC - CS - AQ

Location of Core: 8' N of CL

Comments: 136 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---	1-1/4" Bituminous concrete - Surface (sand mix)	Full
4 ---		No bond
4 ---	1-1/4" Bituminous concrete - Surface	Full
5 ---		
5 ---	1-1/2" Bituminous concrete - Binder	Full
6 ---		
7 ---	2-1/4" Bituminous concrete - Binder	Full
8 ---		
9 ---		
10 ---		
11 ---		
12 ---		
13 ---	9-3/4" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
14 ---		
15 ---		
16 ---		
17 ---		
18 ---	Total: 18-0"	
18 ---	E.O.C.	
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-8 Work Done By: AC - CS - AQ

Location of Core: 9' S of CL

Comments: 67 Glendale Road

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---	1-1/2" Bituminous concrete - Surface (sand mix)	Full
4 ---		No bond
5 ---	1-1/4" Bituminous treated aggregate (failed)	Partial
6 ---		No bond
7 ---	2-1/2" Bituminous treated aggregate (failed)	Partial
8 ---		
9 ---		
10 ---		
11 ---	8-0" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-9 Work Done By: AC - CS - AQ

Location of Core: 9' S of CL

Comments: 7 Frances Court

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface Petromat	Full
2 ---		
3 ---	2-1/2" Bituminous concrete - Binder	Full
4 ---		
5 ---	1-3/4" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	10-1/2" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total: 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-10 Work Done By: AC - CS - AQ

Location of Core: 7' E of CL

Comments: 261 Forest Place

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface Petromat	Full
2 ---	1-0" Bituminous concrete - Surface	Full
3 ---	1-0" Bituminous concrete - Binder (failed)	No Bond Partial
4 ---		
5 ---	2-1/2" Bituminous concrete - Binder (failed)	Partial
6 ---		
7 ---		
8 ---		
9 ---	6-0" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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File No: 25216

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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-11 Work Done By: AC - CS - AQ

Location of Core: 6' W of CL

Comments: 258 Forest Place

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/4" Bituminous concrete - Surface	Full
1 ---	Petromat	
2 ---	0-1/2" Bituminous concrete - Surface	No Bond Full
3 ---	2-0" Bituminous concrete - Binder (failed)	Partial
4 ---		
5 ---	2-0" Bituminous concrete - Binder (failed)	Partial
6 ---		
7 ---		
8 ---		
9 ---	6-1/4" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-12 Work Done By: AC - CS - AQ

Location of Core: 6' S of CL

Comments: 209 Forest Place

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface Petromat	Full
2 ---	1-1/4" Bituminous concrete - Binder	Full
3 ---	1-0" Bituminous concrete - Binder	Full
4 ---		
5 ---	1-3/4" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	9-3/4" Crushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-13 Work Done By: AC - CS - AQ

Location of Core: 7' N of CL

Comments: 154 Forest Place

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/2" Bituminous concrete - Surface	Full
1 ---	Petromat	
2 ---	0-1/2" Bituminous concrete - Surface	No Bond Full
3 ---	1-1/4" Bituminous concrete - Binder (failed)	Partial
4 ---	1-3/4" Bituminous concrete - Binder (failed)	Partial
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	9-0" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	Total: 14-0"	
15 ---	E.O.C.	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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File No: 25216

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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-14 Work Done By: AC - CS - AQ

Location of Core: 8' S of CL

Comments: 101 Forest Place

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface Petromat	Full No bond
2 ---		
3 ---	3-1/2" Bituminous treated aggregate (failed)	Partial
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	9-0" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
11 ---		
12 ---		
13 ---		
14 ---	Total: 14-0"	
15 ---	E.O.C.	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-15 Work Done By: AC - CS - AQ

Location of Core: 10' W of CL

Comments: Navajo Trail, 75' N of Bernard Drive CL

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-1/2" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	1-3/4" Bituminous concrete - Binder	Full
6 ---		
7 ---	2-3/4" Bituminous concrete - Binder	Full
8 ---		
9 ---		
10 ---		
11 ---	5-1/4" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---	Total: 13-0"	
14 ---	E.O.C.	
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-16 Work Done By: AC - CS - AQ

Location of Core: 5' E of CL

Comments: 289 Navajo Trail

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface	Full
2 ---	0-3/4" Bituminous concrete - Surface (sand mix)	Full
3 ---	1-0" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	10-3/4" Crushed & uncrushed gravel with fines	Partial
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
E.O.C.		
Total: 14-0"		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-17 Work Done By: AC - CS - AQ

Location of Core: 8' W of CL

Comments: 250 Navajo Trail

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---	1-0" Bituminous concrete - Surface (sand mix)	Full
3 ---	1-1/4" Bituminous concrete - Binder (failed)	Partial
4 ---		
5 ---		
6 ---		
7 ---		
8 ---	8-0" Crushed & uncrushed gravel with fines (contaminated with clay)	Partial
9 ---		
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-18 Work Done By: AC - CS - AQ

Location of Core: 8' E of CL

Comments: 219 Navajo Trail

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface	Full
2 ---	0-3/4" Bituminous concrete - Surface (sand mix)	Full
3 ---	1-1/4" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	10-1/2" Crushed & uncrushed gravel with fines	Partial
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
	Total: 14-0"	
	E.O.C.	



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-19 Work Done By: AC - CS - AQ

Location of Core: 8' W of CL

Comments: Navajo Trail, 75' S of Saint Marys Parkway CL

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface	Full
2 ---	0-1/2" Bituminous concrete - Surface (sand mix)	Full
3 ---	1-1/4" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	9-0" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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Date: 6/2/20

File No: 25216

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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-20 Work Done By: AC - CS - AQ

Location of Core: 7' E of CL

Comments: 243 Brucewood Drive

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---	Petromat	
3 ---	1-3/4" Bituminous concrete - Surface	Full
4 ---	1-1/4" Bituminous concrete - Surface (failed)	Partial
5 ---		
6 ---	2-1/4" Bituminous concrete - Binder (failed)	Partial
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	9-0" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-21 Work Done By: AC - CS - AQ

Location of Core: 8' W of CL

Comments: 6 Brucewood Court

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-1/4" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-3/4" Bituminous concrete - Surface	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---	9-0" Crushed & uncrushed gravel with fines	Partial
9 ---		
10 ---		
11 ---		
12 ---		
13 ---	Total: 13-0"	
14 ---	E.O.C.	
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-22 Work Done By: AC - CS - AQ

Location of Core: On CL

Comments: 314 Brucewood Court

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface	Full
2 ---		
3 ---	3-1/4" Bituminous concrete - Surface	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---	7-1/4" Crushed & uncrushed gravel with fines	Partial
9 ---		
10 ---		
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-23 Work Done By: AC - CS - AQ

Location of Core: 7' N of CL

Comments: 292 St. Mary's Parkway

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	3-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-0" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	2-1/4" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---	3-0" BBC	Full
9 ---		
10 ---		
11 ---	3-1/4" BBC	Full
12 ---		
13 ---		
14 ---	3-1/2" Crushed & uncrushed gravel with fines	Partial
15 ---		
16 ---	Total: 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-24 Work Done By: AC - CS - AQ

Location of Core: 6' N of CL

Comments: 243 St. Mary's Parkway

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	2-1/2" Bituminous concrete - Surface	Full
4 ---		
5 ---	1-1/2" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---	2-1/2" BBC	Full
9 ---		
10 ---		
11 ---	3-1/4" BBC	Full
12 ---		
13 ---	3-1/4" Crushed & uncrushed gravel with fines	Partial
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-25 Work Done By: AC - CS - AQ

Location of Core: 8' N of CL

Comments: Across from 183 St. Mary's Parkway

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	3-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-0" Bituminous concrete - Surface	Full
4 ---	0-1/2" Bituminous concrete - Surface (sand mix)	Full
5 ---		No bond
6 ---	2-1/2" Bituminous concrete - Binder	Full
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	9-0" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total: 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		



Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-26 Work Done By: AC - CS - AQ

Location of Core: 9' S of CL

Comments: 123 St. Mary's Parkway

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---		
2 ---	3-1/4" Bituminous concrete - Surface	Full
3 ---		
4 ---	1-0" Bituminous concrete - Surface	Full
5 ---		
6 ---	2-0" Bituminous concrete - Binder	Full
7 ---		
8 ---	1-1/2" Crushed & uncrushed gravel with fines (contaminated with soil)	Partial
9 ---		
10 ---		
11 ---	7-1/4" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-27 Work Done By: AC - CS - AQ

Location of Core: 7' N of CL

Comments: St. Mary's Parkway, at Navajo Trail CL

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-0" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	2-0" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	16-0" Crushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
E.O.C.	Total: 21-0"	



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-28 Work Done By: AC - CS - AQ

Location of Core: 7' S of CL

Comments: 63 St. Mary's Parkway

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---		
3 ---	1-1/4" Bituminous concrete - Surface (sand mix)	Full
4 ---		
5 ---	2-1/4" Bituminous concrete - Binder	Full
6 ---		
7 ---		
8 ---		
9 ---	6-3/4" Crushed limestone with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	3-0" Large crushed limestone	Partial
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-29 Work Done By: AC - CS - AQ

Location of Core: 9' W of CL

Comments: 41 Crestview Terrace

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	2-1/4" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	10-3/4" Crushed & uncrushed gravel with fines, some crushed concrete	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-30 Work Done By: AC - CS - AQ

Location of Core: 6' E of CL

Comments: 30 Crestview Terrace

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - Surface	Full
2 ---		
3 ---	2-1/2" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	8-1/2" Crushed & uncrushed gravel with fines, some broken asphalt	Partial
10 ---		
11 ---		
12 ---		
13 ---	Total: 13-0"	
14 ---	E.O.C.	
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-31 Work Done By: AC - CS - AQ

Location of Core: 8' NW of CL

Comments: 23 Crestview Terrace

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-1/4" Bituminous concrete - Surface	Full
2 ---		
3 ---		
4 ---	2-3/4" Bituminous concrete - Binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	11-0" Crushed & uncrushed gravel with fines, some crushed concrete	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total: 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C-32 Work Done By: AC - CS - AQ

Location of Core: 8' E of CL

Comments: 14 Crestview Terrace

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-1/4" Bituminous concrete - Surface	Full
2 ---		
3 ---		
4 ---	3-0" Bituminous concrete - Binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	6-3/4" Crushed & uncrushed gravel with fines, some crushed concrete	Partial
11 ---		
12 ---	Total: 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 6/2/20

File No: 25216

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Forest & Glendale Project

Core No: C/B-33 Work Done By: AC - CS - AQ

Location of Core: 3' E of CL

Comments: 5 Crestview Terrace

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-1/4" Bituminous concrete - Surface	Full
2 ---		
3 ---		
4 ---	3-0" Bituminous concrete - Binder	Full
5 ---		
6 ---		
7 ---		
8 ---	9-3/4" Crushed concrete with fines	Partial
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG C/B-1

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 489 Glendale Road

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

depth, ft.	
1	See Core Log
2	Brown/gray clay, some silt, trace sand & gravel, damp, very tough to hard
3	
4	
5	
6	End of Boring
7	
8	
9	
10	

standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 × standard penetration "N", blows/ft. △ moisture content, % 10 20 30 40			
×	△	γ	○				
11	19.1			×	△	●	
14	17.7	110.2	6.3	×	△		○ 6.3
19	17.2	112.8	6.8		△	×	○ 6.8

Water encountered at _____ feet during drilling operations (W.D.)
 Water recorded at _____ feet on completion of drilling operations (A.D.)
 Water recorded at _____ feet _____ hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-7

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 136 Glendale Road

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	unconfined compressive strength, tons/sq. ft.				penetrometer reading, tons/sq. ft.
						1.0	2.0	3.0	4.0	
						X standard penetration "N", blows/ft.				moisture content, %
						10	20	30	40	
1	See Core Log									
2	Brown clay & silt, some sand, trace gravel, damp, hard - Fill									
3		8	14.5	120.8	5.2	X	Δ			5.2
4	Brown fine sand, some medium sand, trace silt, damp, loose - Fill									
5		4	20.4	117.0	1.8	X		O	Δ	
6	Brown clay, some silt, trace sand & gravel, damp to very damp, tough to stiff - Fill									
7										
8	End of Boring	3	20.7			X●			Δ	
9										
10										

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-9

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 7 Frances Court

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other CLASSIFICATION Elevation Existing Surface
------------	---

depth, ft.	CLASSIFICATION	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 × standard penetration "N", blows/ft. △ moisture content, % 10 20 30 40
Elevation	Existing Surface	×	△	⌘	○	10 20 30 40
1	See Core Log					
2	Dark brown/gray/black clay, some silt, trace sand & gravel, damp, very tough - Fill					
3		11	12.1	101.3	3.1	△ ○
4						
5	Brown/gray clay, some silt, trace sand & gravel, damp, hard	9	18.1	109.2	5.6	× △ ○ 5.6
6						
7						
8	End of Boring	14	19.0	111.7	5.9	× △ ○ 5.9
9						
10						

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 209 Forest Place

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
	Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	unconfined compressive strength, tons/sq. ft.			
						1.0	2.0	3.0	4.0
						standard penetration "N", blows/ft.			
						moisture content, %			
						10	20	30	40
1	See Core Log								
2	Brown/gray silt, trace clay & fine sand, damp, loose								
3	Brown/gray clay, some silt, trace sand & gravel, damp, hard	6	16.9	110.8	4.5	X	Δ		● O
4			18.4						
5		13	19.2	111.9	4.0		X Δ		O
6									
7									
8	End of Boring	13	20.0	108.4	5.2		X Δ		O 5.2
9									
10									

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG C/B-16

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 289 Navajo Trail

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
	Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 × standard penetration "N", blows/ft. △ moisture content, % 10 20 30 40
1	See Core Log					
2	Brown/dark brown silt, some clay & sand, trace gravel, damp, loose - Fill		17.1			△
3	Dark brown/gray clay, some silt, trace sand & gravel, damp, very tough to hard	8	22.1			× △ ●
4						
5		11	18.8	109.4	5.5	× △ ○ 5.5
6						
7						
8	End of Boring	11	24.2	103.2	5.2	× △ ○ 5.2
9						
10						

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-22

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 314 Brucewood Court

Equipment: CME 45B CME 55 Hand Auger Other

CLASSIFICATION

Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	<input type="radio"/> unconfined compressive strength, tons/sq. ft. <input checked="" type="radio"/> penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
						<input checked="" type="checkbox"/> standard penetration "N", blows/ft. <input type="checkbox"/> moisture content, % 10 20 30 40			
	See Core Log								
1									
2									
3									
4	Brown/gray clay, some silt, trace sand & gravel, damp, hard to very hard								
5		11	16.6	113.4	5.5	X	△		5.5
6									
7									
8									
9									
10	End of Boring	21	16.8	113.9	8.5		△ X		8.5
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
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36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									

Water encountered at _____ feet during drilling operations (W.D.)
 Water recorded at _____ feet on completion of drilling operations (A.D.)
 Water recorded at _____ feet _____ hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG C/B-23

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 292 St. Mary's Parkway

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
	Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	
	X	Δ	⊗	○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40	
1	See Core Log					
2	Brown/gray clay, some silt, trace sand & gravel, damp, hard					
3		11	15.6	111.6	5.9	X Δ ○ 5.9
4						
5		11	16.9	113.4	6.9	X Δ ○ 6.9
6						
7						
8	End of Boring	15	17.5	113.2	6.1	X Δ ○ 6.1
9						
10						

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORING LOG C/B-28

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 63 St. Mary's Parkway

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
	Elevation Existing Surface

		standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength					
		×	△	⌘	○	○ unconfined compressive strength, tons/sq. ft.				
						● penetrometer reading, tons/sq. ft.	1.0	2.0	3.0	4.0
						×	standard penetration "N", blows/ft.			
						△	moisture content, %			
							10	20	30	40
1	See Core Log									
2	Brown/gray clay, some silt, trace sand & gravel, damp, hard									
3		9	15.8	117.7	6.3	×	△			6.3 ○
4										
5		11	17.3	114.6	6.5	×	△			6.5 ○
6										
7										
8	End of Boring	14	21.6	104.9	6.3	×	△			6.3 ○
9										
10										

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-30

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 30 Crestview Terrace

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other
	CLASSIFICATION
	Elevation Existing Surface

depth, ft.	CLASSIFICATION	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	
	Elevation Existing Surface	X	Δ	ϕ	○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0 X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40
1	See Core Log					
2						
3		7	24.4	101.8	2.6	X Δ ○
4	Dark brown/gray clay, some silt, trace sand & gravel, damp, very tough to hard					
5		12	25.5	97.3	2.5	X Δ ●
6						
7						
8	End of Boring	18	19.1	109.4	6.0	X Δ ○ 6.0
9						
10						

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

Client: Village of Buffalo Grove

File No. 25216 Date Drilled: 6/3/20

Reference: Forest & Glendale Project
Buffalo Grove, IL

Comments: 5 Crestview Terrace

depth, ft.	Equipment: <input checked="" type="checkbox"/> CME 45B <input type="checkbox"/> CME 55 <input type="checkbox"/> Hand Auger <input type="checkbox"/> Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0							
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, %							
	Elevation					Existing Surface	10	20	30	40			
1	See Core Log												
2	Dark brown/gray clay, some silt, trace sand, gravel & brick, damp, hard - Fill	13	15.0	114.3	5.4	XΔ			5.4 ○				
3	Brown clay, some silt, trace sand & gravel, very tough to very hard	12	19.5	107.5	3.6	X	Δ	○					
4													
5													
6													
7	End of Boring	16	19.8	106.6	8.0	X	Δ	○	8.0 ○				
8													
9													
10													

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons/sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

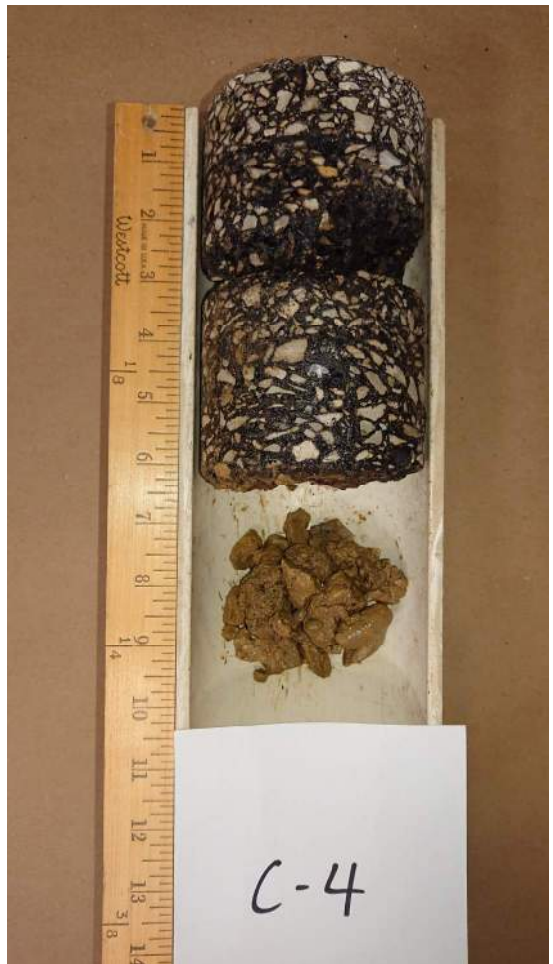
Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm
Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. w/ith1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]





C-5



C-6



C/B-7



C-8











C-25



C-26



C-27



C/B-28





Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Buffalo Grove - Forest/Glendale CIPs Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

Portions of Glendale Rd, Forest Pl, Navajo Trl, St Marys Pkwy, Crestview Ter, and Brucewood Dr - See attached figures

City: Buffalo Grove State: IL Zip Code: 60089

County: Cook Township: Wheeling

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.14874 Longitude: - 87.96148

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Village of Buffalo Grove

Name: _____

Street Address: 50 Raupp Boulevard

Street Address: _____

PO Box: _____

PO Box: _____

City: Buffalo Grove State: IL

City: _____ State: _____

Zip Code: 60089 Phone: 847-459-2500

Zip Code: _____ Phone: _____

Contact: _____

Contact: _____

Email, if available: _____

Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

A limited historical & regulatory review was performed to identify PIPs. Site reconnaissance was performed while sampling to evaluate on-site environmental conditions & potential PIPs. Based on the nature & scope of the project, 6 soil samples were collected for indicator contaminants associated with identified PIPs and screened with a PID. Figure 2 shows sample locations.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

See attached analytical summary tables, laboratory reports and associated NELAC certification. Figure 2 identifies the project area that is covered by this certification.

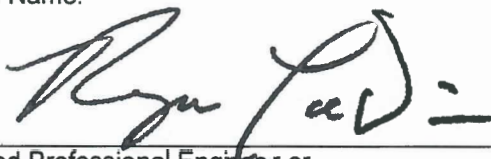
IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Ryan M. LaDieu, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

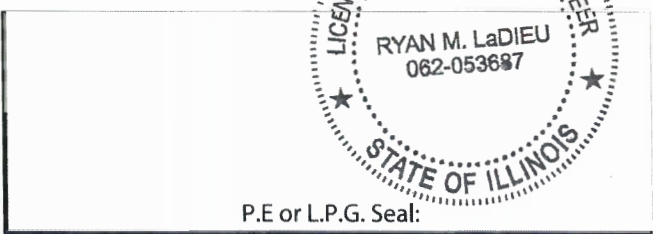
Company Name: True North Consultants
Street Address: 1000 East Warrenville Road, Suite 140
City: Naperville State: IL Zip Code: 60563
Phone: 630.717.2880

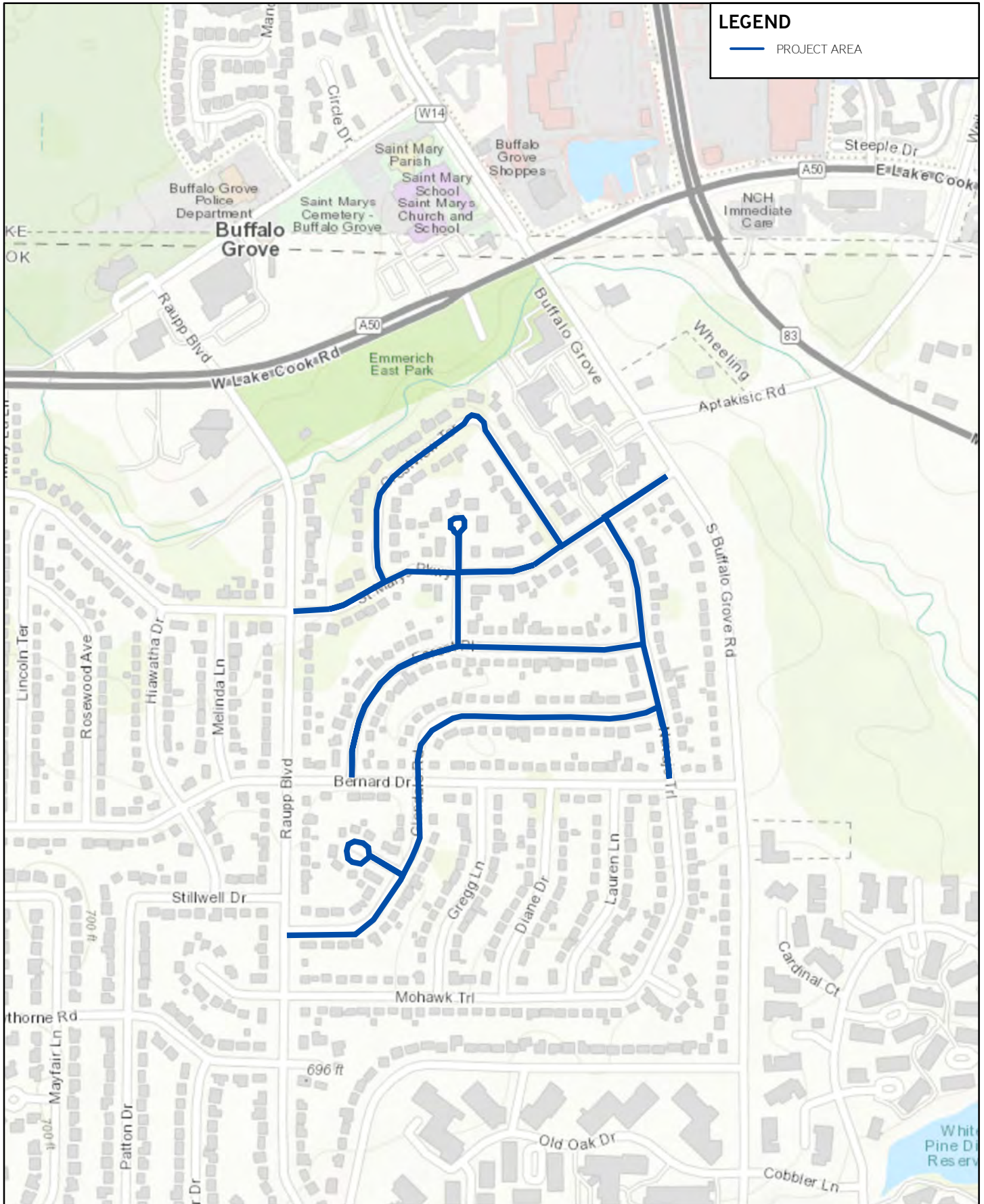
Ryan M. LaDieu
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

June 19, 2020
Date:





LEGEND

— PROJECT AREA



CLIENT
 SOIL AND MATERIAL CONSULTANTS, INC.
 8 WEST COLLEGE DRIVE, SUITE C
 ARLINGTON HEIGHTS, ILLINOIS

SITE
 PORTIONS OF GLENDALE RD, FOREST PL,
 NAVAJO TRL, ST MARYS PKWY, CRESTVIEW
 TER, AND BRUCEWOOD DR
 BUFFALO GROVE, ILLINOIS



PROJECT	T120108
DATE	6/5/2020
SCALE	1 inch=750 feet

FIGURE
 I



LEGEND

 SOIL SAMPLE LOCATION



CLIENT
 SOIL AND MATERIAL CONSULTANTS, INC.
 8 WEST COLLEGE DRIVE, SUITE C
 ARLINGTON HEIGHTS, ILLINOIS

SITE
 PORTIONS OF GLENDALE RD, FOREST PL,
 NAVAJO TRL, ST MARYS PKWY, CRESTVIEW
 TER, AND BRUCEWOOD DR
 BUFFALO GROVE, ILLINOIS



PROJECT	T120108
DATE	6/5/2020
SCALE	1 inch=750 feet

FIGURE
2

TABLE I

Summary of Soil Analytical Results - Soil Characterization Sampling

Benzene, Ethylbenzene, Toluene and total Xylenes (BETX)

CLIENT: Soil and Material Consultants, Inc

SITE: Portions of Glendale Rd, Forest Pl, Navajo Trl, St Marys Pkwy, Crestview Ter, and Brucewood Dr, Buffalo Grove, Illinois

PROJECT NUMBER: T120108

SAMPLE DATE: May 28 and June 3, 2020

LABORATORY: PDC Laboratories, Inc.

MATRIX: Soil

Analytical Method: EPA Method 5035A/8260B

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	C-14	C/B-1	C/B-7	C/B-16	C/B-23	C/B-33		
	Value	Objective	Sample Date	5/28/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020		
			Depth	0-2.5'	2.5-5'	5-7.5'	2.5-5'	0-2.5'	5-7.5'		
			Soil Type	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay		
Benzene	0.03	MAC		< 0.00634	NA	NA	NA	NA	NA		
Ethylbenzene	13	MAC		< 0.00634	NA	NA	NA	NA	NA		
Toluene	12	MAC		< 0.00634	NA	NA	NA	NA	NA		
Xylenes (total)	5.6	MAC		< 0.0190	NA	NA	NA	NA	NA		

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

< = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedence of the referenced objective.



TABLE 2

Summary of Soil Analytical Results - Soil Characterization Sampling

Polynuclear Aromatic Hydrocarbons (PNAs)

CLIENT: Soil and Material Consultants, Inc

SITE: Portions of Glendale Rd, Forest Pl, Navajo Trl, St Marys Pkwy, Crestview Ter, and Brucewood Dr, Buffalo Grove, Illinois

PROJECT NUMBER: TI20I08

SAMPLE DATE: May 28 and June 3, 2020

LABORATORY: PDC Laboratories, Inc.

MATRIX: Soil

Analytical Method: EPA Method 8270

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	C-14	C/B-1	C/B-7	C/B-16	C/B-23	C/B-33		
			Sample Date	5/28/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020		
			Depth	0-2.5'	2.5-5'	5-7.5'	2.5-5'	0-2.5'	5-7.5'		
	Value	Objective	Soil Type	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay		
Acenaphthene	570	MAC		< 0.38l	NA	NA	NA	NA	NA		
Anthracene	12000	MAC		< 0.38l	NA	NA	NA	NA	NA		
Benzo(a)anthracene	1.8	MAC		< 0.38l	NA	NA	NA	NA	NA		
Benzo(b)fluoranthene	2.1	MAC		< 0.38l	NA	NA	NA	NA	NA		
Benzo(k)fluoranthene	9.0	MAC		< 0.38l	NA	NA	NA	NA	NA		
Benzo(a)pyrene	2.1	MAC		< 0.076l	NA	NA	NA	NA	NA		
Chrysene	88	MAC		< 0.38l	NA	NA	NA	NA	NA		
Dibenz(a,h)anthracene	0.42	MAC		< 0.076l	NA	NA	NA	NA	NA		
Fluoranthene	3100	MAC		< 0.38l	NA	NA	NA	NA	NA		
Fluorene	560	MAC		< 0.38l	NA	NA	NA	NA	NA		
Indeno(1,2,3-cd)pyrene	1.6	MAC		< 0.38l	NA	NA	NA	NA	NA		
Naphthalene	1.8	MAC		< 0.38l	NA	NA	NA	NA	NA		
Pyrene	2300	MAC		< 0.38l	NA	NA	NA	NA	NA		

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

< = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedence of the referenced objective.



TABLE 3

Summary of Soil Analytical Results - Soil Characterization Sampling

Resource Conservation Recovery Act (RCRA) Metals

CLIENT: Soil and Material Consultants, Inc

SITE: Portions of Glendale Rd, Forest Pl, Navajo Trl, St Marys Pkwy, Crestview Ter, and Brucewood Dr, Buffalo Grove, Illinois

PROJECT NUMBER: TI20I08

SAMPLE DATE: May 28 and June 3, 2020

LABORATORY: PDC Laboratories, Inc.

MATRIX: Soil

Analytical Method: EPA Method 6010/6020

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	C-14	C/B-1	C/B-7	C/B-16	C/B-23	C/B-33		
			Sample Date	5/28/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020		
			pH	8.20	8.40	8.82	7.71	8.92	7.69		
			6.25 ≤ pH ≤ 9.0	Yes	Yes	Yes	Yes	Yes	Yes		
			Depth	0-2.5'	2.5-5'	5-7.5'	2.5-5'	0-2.5'	5-7.5'		
	Value	Objective	Soil Type	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay		
Arsenic	13	MAC		10.8	NA	NA	NA	NA	NA		
Barium	1,500	MAC		65.2	NA	NA	NA	NA	NA		
Cadmium	5.2	MAC		0.150	NA	NA	NA	NA	NA		
Chromium	21	MAC		27.3	NA	NA	NA	NA	NA		
Lead	107	MAC		14.9	NA	NA	NA	NA	NA		
Mercury	0.89	MAC		< 0.106	NA	NA	NA	NA	NA		
Selenium	1.3	MAC		< 1.09	NA	NA	NA	NA	NA		
Silver	4.4	MAC		< 0.556	NA	NA	NA	NA	NA		

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

< = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedence of the referenced objective.



TABLE 4

Summary of Soil Analytical Results - Soil Characterization Sampling

TCLP Resource Conservation Recovery Act (RCRA) Metals

CLIENT: Soil and Material Consultants, Inc

SITE: Portions of Glendale Rd, Forest Pl, Navajo Trl, St Marys Pkwy, Crestview Ter, and Brucewood Dr, Buffalo Grove, Illinois

PROJECT NUMBER: TI20108

SAMPLE DATE: May 28 and June 3, 2020

LABORATORY: PDC Laboratories, Inc.

MATRIX: Soil

Analytical Method: EPA Method 6020

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	C-14	C/B-1	C/B-7	C/B-16	C/B-23	C/B-33		
			Sample Date	5/28/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020		
			Depth	0-2.5'	2.5-5'	5-7.5'	2.5-5'	0-2.5'	5-7.5'		
	Value	Objective	Soil Type	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay	Silty Clay		
Arsenic	0.05	SCOG		NA	NA	NA	NA	NA	NA		
Barium	2	SCOG		NA	NA	NA	NA	NA	NA		
Cadmium	0.005	SCOG		NA	NA	NA	NA	NA	NA		
Chromium	0.1	SCOG		< 0.0500	NA	NA	NA	NA	NA		
Lead	0.0075	SCOG		NA	NA	NA	NA	NA	NA		
Mercury	0.002	SCOG		NA	NA	NA	NA	NA	NA		
Selenium	0.05	SCOG		NA	NA	NA	NA	NA	NA		
Silver	0.05	SCOG		NA	NA	NA	NA	NA	NA		

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

As an alternative to the subject maximum allowable concentration value, compliance verification may be determined by comparing soil sample extraction results (TCLP/SPLP) for this constituent to the respective TACO Class I Soil Component of the Groundwater Ingestion Exposure Route objective (35 Ill. Admin. Code 742. Appendix B, Table A). (See 35 IAC 1100.610(b)(1)(B); 1100.610(b)(3)(C)).

< = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per liter (mg/L) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedence of the referenced objective.





June 05, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/3/20 3:45 pm** and logged in under work order **0061057**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0061057-01
Name: C/B-1
Matrix: Solid - Composite

Sampled: 06/03/20 08:25
Received: 06/03/20 15:45
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	8.40	pH Units	FP	1		0.0100	06/04/20 14:08	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B013313 - 04-No Prep WC Solid - EPA 9045D</u>									
Duplicate (B013313-DUP1)	Sample: 0060995-01			Prepared & Analyzed: 06/04/20					
pH	7.67	pH Units	FP		7.69			0.2	20



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.



June 05, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/3/20 3:45 pm** and logged in under work order **0061061**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0061061-01
Name: C/B-7
Matrix: Solid - Composite

Sampled: 06/03/20 09:05
Received: 06/03/20 15:45
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	8.82	pH Units	FP	1		0.0100	06/04/20 14:08	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B013313 - 04-No Prep WC Solid - EPA 9045D</u>									
Duplicate (B013313-DUP1)									
			Sample: 0060995-01			Prepared & Analyzed: 06/04/20			
pH	7.67	pH Units	FP		7.69			0.2	20



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

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Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.



PDC LABORATORIES, INC.
 WWW.PDCLAB.COM

REGULATORY PROGRAM:	
MORBCA	NPDES
CCDD	RCRA
TACO: RES	IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE(S) COLLECTED IL

CLIENT 1 rue North Consultants		PROJECT NAME BG - 2022 CIPS		PROJECT LOCATION Forest/Glendale		PURCHASE ORDER # T120108		ANALYSIS REQUESTED		(FOR LAB USE ONLY) LOGGED BY: <u>DBL/CL</u>	
ADDRESS 1000 E. Warrenville Rd		PHONE NUMBER 630-717-2880		E-MAIL mbredrup@consulttrn		DATE SHIPPED				CLIENT	
CITY, STATE ZIP Naperville, IL 60563		SAMPLER Melissa Klepaczky		SAMPLER'S SIGNATURE <i>[Signature]</i>		MATRIX TYPES: WM - wastewater CW - cooling water GW - ground water MS - Non aqueous Solid SC - soil				PROJECT	
CONTACT PERSON(S) M.Bredrup, M.Kupczyk J.Reed, G.Klepitsch		DATE COLLECTED 6/3/2020		TIME COLLECTED 905		SAMPLE TYPE GRAB <input type="checkbox"/> COMP <input type="checkbox"/>		MATRIX TYPE SO		BOTTLE COUNT 1	
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) C/B-7		DATE COLLECTED 6/3/2020		TIME COLLECTED 905		SAMPLE TYPE GRAB <input checked="" type="checkbox"/> COMP <input type="checkbox"/>		MATRIX TYPE SO		BOTTLE COUNT 1	
CHEMICAL PRESERVATION CODES:		1-HCL		2-H2SO4		3-HNO3		4-NAOH		5-5035	
TURNAROUND TIME REQUESTED (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) RUSH		<input type="checkbox"/>		STANDARD		<input checked="" type="checkbox"/>		DATE RESULTS NEEDED		1 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/3/20		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/3/20		COMMENTS: (FOR LAB USE ONLY) MILK		SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT (Y/N) SAMPLE(S) RECEIVED ON ICE (Y/N) DATE AND TIME TAKEN FROM SAMPLE BOTTLE	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/4/20		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/4/20				2.5°C	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/4/20		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/4/20				0700	



June 02, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **5/28/20 4:30 pm** and logged in under work order **0055054**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0055054-01
Name: C-14
Matrix: Solid - Grab

Sampled: 05/28/20 14:50
Received: 05/28/20 16:00
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	8.20	pH Units	FP	1		0.0100	06/01/20 14:36	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B012846 - 04-No Prep WC Solid - EPA 9045D</u>									
Duplicate (B012846-DUP1)	Sample: 0055026-01			Prepared & Analyzed: 06/01/20					
pH	8.82	pH Units	FP		8.77			0.6	20
Duplicate (B012846-DUP2)	Sample: 0060040-01			Prepared & Analyzed: 06/01/20					
pH	7.54	pH Units	FP		7.76			3	20



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.



June 11, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **5/28/20 4:30 pm** and logged in under work order **0055055**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0055055-01
Name: C-14
Matrix: Solid - Grab

Sampled: 05/28/20 14:50
Received: 05/28/20 16:00
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
Solids - total solids (TS)	79	%		1		0.050	06/02/20 12:01	SJP	SM 2540G*
Semivolatile Organics - STL									
Acenaphthene	< 0.381	mg/kg dry		1	0.0473	0.381	06/03/20 11:19	JKA	EPA 8270C
Anthracene	< 0.381	mg/kg dry		1	0.0438	0.381	06/03/20 11:19	JKA	EPA 8270C
Benzo(a)anthracene	< 0.381	mg/kg dry		1	0.0416	0.381	06/03/20 11:19	JKA	EPA 8270C
Benzo(b)fluoranthene	< 0.381	mg/kg dry		1	0.0448	0.381	06/03/20 11:19	JKA	EPA 8270C
Benzo(k)fluoranthene	< 0.381	mg/kg dry		1	0.0525	0.381	06/03/20 11:19	JKA	EPA 8270C
Benzo(a)pyrene	< 0.0761	mg/kg dry		1	0.0406	0.0761	06/03/20 11:19	JKA	EPA 8270C
Chrysene	< 0.381	mg/kg dry		1	0.0400	0.381	06/03/20 11:19	JKA	EPA 8270C
Dibenzo(a,h)anthracene	< 0.0761	mg/kg dry		1	0.0434	0.0761	06/03/20 11:19	JKA	EPA 8270C
Fluoranthene	< 0.381	mg/kg dry		1	0.0451	0.381	06/03/20 11:19	JKA	EPA 8270C
Fluorene	< 0.381	mg/kg dry		1	0.0456	0.381	06/03/20 11:19	JKA	EPA 8270C
Indeno(1,2,3-cd)pyrene	< 0.381	mg/kg dry		1	0.0454	0.381	06/03/20 11:19	JKA	EPA 8270C
Naphthalene	< 0.381	mg/kg dry		1	0.0393	0.381	06/03/20 11:19	JKA	EPA 8270C
Pyrene	< 0.381	mg/kg dry		1	0.0450	0.381	06/03/20 11:19	JKA	EPA 8270C
Surrogate: 2-Fluorobiphenyl	62 %	10-98.3					06/03/20 11:19	JKA	EPA 8270C*
Surrogate: Nitrobenzene-d5	79 %	10.7-94.9					06/03/20 11:19	JKA	EPA 8270C*
Surrogate: 4-Terphenyl-d14	64 %	10-108					06/03/20 11:19	JKA	EPA 8270C*
TCLP Metals - STL									
Chromium	< 0.0500	mg/L		1	0.00660	0.0500	06/10/20 11:57	JMW1	EPA 6010 B
Total Metals - STL									
Mercury	< 0.106	mg/kg dry		1	0.106	0.106	06/02/20 12:17	JMW1	SW 7471
Arsenic	10.8	mg/kg dry		1	0.811	2.78	06/02/20 08:47	JMW1	EPA 6010 B
Barium	65.2	mg/kg dry		1	0.221	1.11	06/02/20 08:47	JMW1	EPA 6010 B
Cadmium	0.150	mg/kg dry		1	0.0347	0.111	06/02/20 08:47	JMW1	EPA 6010 B
Chromium	27.3	mg/kg dry		1	0.171	0.556	06/02/20 08:47	JMW1	EPA 6010 B
Lead	14.9	mg/kg dry		1	0.700	4.45	06/02/20 08:47	JMW1	EPA 6010 B
Selenium	< 1.09	mg/kg dry	Mrl	1	1.09	4.45	06/02/20 08:47	JMW1	EPA 6010 B
Silver	< 0.556	mg/kg dry		1	0.164	0.556	06/02/20 08:47	JMW1	EPA 6010 B
Volatile Organics - STL									
Benzene	< 0.00634	mg/kg dry		1	0.000928	0.00634	06/02/20 15:23	DEK	EPA 8260B
Ethylbenzene	< 0.00634	mg/kg dry		1	0.00179	0.00634	06/02/20 15:23	DEK	EPA 8260B
Toluene	< 0.00634	mg/kg dry		1	0.00192	0.00634	06/02/20 15:23	DEK	EPA 8260B
Xylenes- Total	< 0.0190	mg/kg dry		1	0.00271	0.0190	06/02/20 15:23	DEK	EPA 8260B
Surrogate: 4-Bromofluorobenzene	95 %	29.1-156					06/02/20 15:23	DEK	EPA 8260B*
Surrogate: 1,2-Dichloroethane-d4	117 %	51.6-139					06/02/20 15:23	DEK	EPA 8260B*
Surrogate: Toluene-d8	96 %	38.5-147					06/02/20 15:23	DEK	EPA 8260B*



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B012774 - 04 SW 3050B - EPA 6010 B</u>									
Blank (B012774-BLK1)				Prepared & Analyzed: 06/01/20					
Arsenic	< 2.50	mg/kg wet							
Barium	< 1.00	mg/kg wet							
Cadmium	< 0.100	mg/kg wet							
Chromium	< 0.500	mg/kg wet							
Lead	< 4.00	mg/kg wet							
Selenium	< 0.979	mg/kg wet							
Silver	< 0.500	mg/kg wet							
LCS (B012774-BS1)				Prepared & Analyzed: 06/01/20					
Arsenic	20.4	mg/kg wet		20.00		102	80-120		
Barium	20.6	mg/kg wet		20.00		103	80-120		
Cadmium	20.4	mg/kg wet		20.00		102	80-120		
Chromium	20.5	mg/kg wet		20.00		103	80-120		
Lead	19.8	mg/kg wet		20.00		99	80-120		
Selenium	19.8	mg/kg wet		20.00		99	80-120		
Silver	4.99	mg/kg wet		5.000		100	80-120		
Matrix Spike (B012774-MS1)				Sample: 0054206-01RE1		Prepared & Analyzed: 06/01/20			
Arsenic	21.2	mg/kg wet		20.00	4.53	84	75-125		
Barium	64.2	mg/kg wet		20.00	28.1	181	75-125		
Cadmium	17.3	mg/kg wet		20.00	0.172	85	75-125		
Chromium	36.8	mg/kg wet		20.00	17.4	97	75-125		
Lead	25.6	mg/kg wet		20.00	7.23	92	75-125		
Selenium	17.5	mg/kg wet		20.00	ND	87	75-125		
Silver	4.24	mg/kg wet		5.000	ND	85	75-125		
Matrix Spike (B012774-MS2)				Sample: 0060002-05		Prepared: 06/01/20 Analyzed: 06/02/20			
Arsenic	22.4	mg/kg dry		19.26	6.48	83	75-125		
Barium	53.7	mg/kg dry		19.26	30.6	120	75-125		
Cadmium	16.7	mg/kg dry		19.26	0.116	86	75-125		
Chromium	32.3	mg/kg dry		19.26	14.0	95	75-125		
Lead	22.7	mg/kg dry		19.26	6.71	83	75-125		
Selenium	16.5	mg/kg dry		19.26	ND	85	75-125		
Silver	4.12	mg/kg dry		4.815	ND	86	75-125		
Matrix Spike Dup (B012774-MSD1)				Sample: 0054206-01RE1		Prepared & Analyzed: 06/01/20			
Arsenic	21.6	mg/kg wet		19.61	4.53	87	75-125	2	20
Barium	49.1	mg/kg wet		19.61	28.1	107	75-125	27	20
Cadmium	16.2	mg/kg wet		19.61	0.172	82	75-125	6	20
Chromium	35.6	mg/kg wet		19.61	17.4	93	75-125	3	20
Lead	22.5	mg/kg wet		19.61	7.23	78	75-125	13	20
Selenium	16.4	mg/kg wet		19.61	ND	84	75-125	6	20
Silver	3.93	mg/kg wet		4.902	ND	80	75-125	8	20
Matrix Spike Dup (B012774-MSD2)				Sample: 0060002-05		Prepared: 06/01/20 Analyzed: 06/02/20			
Arsenic	22.8	mg/kg dry		20.31	6.48	80	75-125	2	20
Barium	52.1	mg/kg dry		20.31	30.6	106	75-125	3	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B012774 - 04 SW 3050B - EPA 6010 B</u>									
Matrix Spike Dup (B012774-MSD2)		Sample: 0060002-05		Prepared: 06/01/20 Analyzed: 06/02/20					
Cadmium	17.5	mg/kg dry		20.31	0.116	85	75-125	4	20
Chromium	34.9	mg/kg dry		20.31	14.0	103	75-125	8	20
Lead	22.6	mg/kg dry		20.31	6.71	78	75-125	0.3	20
Selenium	17.5	mg/kg dry		20.31	ND	86	75-125	6	20
Silver	4.29	mg/kg dry		5.078	ND	84	75-125	4	20
<u>Batch B012858 - 04-No Prep WC Solid - SM 2540G</u>									
Blank (B012858-BLK1)		Prepared: 06/01/20 Analyzed: 06/02/20							
Solids - total solids (TS)	< 0.050	%							
Duplicate (B012858-DUP1)		Sample: 0054729-02		Prepared: 06/01/20 Analyzed: 06/02/20					
Solids - total solids (TS)	13.6	%			13.6			0.6	20
Duplicate (B012858-DUP2)		Sample: 0055018-01		Prepared: 06/01/20 Analyzed: 06/02/20					
Solids - total solids (TS)	79.1	%			78.4			0.9	20
<u>Batch B012862 - 04-SW 7471A - SW 7471</u>									
Blank (B012862-BLK1)		Prepared: 06/01/20 Analyzed: 06/02/20							
Mercury	< 0.100	mg/kg wet							
LCS (B012862-BS1)		Prepared: 06/01/20 Analyzed: 06/02/20							
Mercury	1.08	mg/kg wet		1.000		108	80-120		
Matrix Spike (B012862-MS1)		Sample: 0055055-01		Prepared: 06/01/20 Analyzed: 06/02/20					
Mercury	1.37	mg/kg dry		1.269	ND	108	75-125		
Matrix Spike Dup (B012862-MSD1)		Sample: 0055055-01		Prepared: 06/01/20 Analyzed: 06/02/20					
Mercury	1.32	mg/kg dry		1.220	ND	108	75-125	4	20
<u>Batch B013023 - 04 SW 3550 (625/8270) - EPA 8270C</u>									
Blank (B013023-BLK1)		Prepared: 06/02/20 Analyzed: 06/03/20							
Acenaphthene	< 0.300	mg/kg wet							
Anthracene	< 0.300	mg/kg wet							
Benzo(a)anthracene	< 0.300	mg/kg wet							
Benzo(b)fluoranthene	< 0.300	mg/kg wet							
Benzo(k)fluoranthene	< 0.300	mg/kg wet							
Benzo(a)pyrene	< 0.0600	mg/kg wet							
Chrysene	< 0.300	mg/kg wet							
Dibenzo(a,h)anthracene	< 0.0600	mg/kg wet							
Fluoranthene	< 0.300	mg/kg wet							
Fluorene	< 0.300	mg/kg wet							
Indeno(1,2,3-cd)pyrene	< 0.300	mg/kg wet							
Naphthalene	< 0.300	mg/kg wet							
Pyrene	< 0.300	mg/kg wet							
Surrogate: 2-Fluorobiphenyl	0.397	mg/kg wet		0.6361		62	10-98.3		
Surrogate: Nitrobenzene-d5	0.335	mg/kg wet		0.6361		53	10.7-94.9		
Surrogate: 4-Terphenyl-d14	0.430	mg/kg wet		0.6361		68	10-108		
LCS (B013023-BS1)		Prepared: 06/02/20 Analyzed: 06/03/20							
Acenaphthene	0.415	mg/kg wet		0.6279		66	37.7-105		
Acenaphthylene	0.425	mg/kg wet		0.6279		68	38.6-114		



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B013023 - 04 SW 3550 (625/8270) - EPA 8270C									
LCS (B013023-BS1)				Prepared: 06/02/20 Analyzed: 06/03/20					
Anthracene	0.419	mg/kg wet		0.6279		67	31-108		
Benzo(a)anthracene	0.351	mg/kg wet		0.6279		56	30.1-115		
Benzo(b)fluoranthene	0.338	mg/kg wet		0.6279		54	19.6-126		
Benzo(k)fluoranthene	0.457	mg/kg wet		0.6279		73	34.5-118		
Benzo(g,h,i)perylene	0.423	mg/kg wet		0.6279		67	23.9-129		
Benzo(a)pyrene	0.403	mg/kg wet		0.6279		64	23.5-117		
Chrysene	0.473	mg/kg wet		0.6279		75	40.6-110		
Dibenzo(a,h)anthracene	0.424	mg/kg wet		0.6279		68	20.4-129		
Fluoranthene	0.426	mg/kg wet		0.6279		68	31.5-120		
Fluorene	0.417	mg/kg wet		0.6279		66	33.6-112		
Indeno(1,2,3-cd)pyrene	0.440	mg/kg wet		0.6279		70	19.9-134		
Naphthalene	0.398	mg/kg wet		0.6279		63	36.9-105		
Phenanthrene	0.402	mg/kg wet		0.6279		64	39-110		
Pyrene	0.424	mg/kg wet		0.6279		68	29.2-123		
Surrogate: 2-Fluorobiphenyl	0.403	mg/kg wet		0.6279		64	10-98.3		
Surrogate: Nitrobenzene-d5	0.363	mg/kg wet		0.6279		58	10.7-94.9		
Surrogate: 4-Terphenyl-d14	0.431	mg/kg wet		0.6279		69	10-108		
Matrix Spike (B013023-MS1)				Sample: 0054441-12		Prepared: 06/02/20 Analyzed: 06/03/20			
Acenaphthene	0.457	mg/kg dry		0.7969	ND	57	21-97.1		
Acenaphthylene	0.456	mg/kg dry		0.7969	ND	57	20.9-88.1		
Anthracene	0.440	mg/kg dry		0.7969	ND	55	18.8-95.5		
Benzo(a)anthracene	0.350	mg/kg dry		0.7969	ND	44	32.2-84.8		
Benzo(b)fluoranthene	0.354	mg/kg dry		0.7969	ND	44	26.2-99.2		
Benzo(k)fluoranthene	0.536	mg/kg dry		0.7969	ND	67	15.2-100		
Benzo(g,h,i)perylene	0.483	mg/kg dry		0.7969	ND	61	34.1-90.5		
Benzo(a)pyrene	0.440	mg/kg dry		0.7969	ND	55	22-93.7		
Chrysene	0.534	mg/kg dry		0.7969	ND	67	19.4-103		
Dibenzo(a,h)anthracene	0.489	mg/kg dry		0.7969	ND	61	33.8-88.3		
Fluoranthene	0.487	mg/kg dry		0.7969	ND	61	18.7-89		
Fluorene	0.460	mg/kg dry		0.7969	ND	58	19.5-97.5		
Indeno(1,2,3-cd)pyrene	0.494	mg/kg dry		0.7969	ND	62	30.8-92.2		
Naphthalene	0.455	mg/kg dry		0.7969	ND	57	29.7-89.7		
Phenanthrene	0.442	mg/kg dry		0.7969	ND	55	19.7-96		
Pyrene	0.483	mg/kg dry		0.7969	ND	61	24.1-96.1		
Surrogate: 2-Fluorobiphenyl	0.454	mg/kg dry		0.7969		57	10-98.3		
Surrogate: Nitrobenzene-d5	0.449	mg/kg dry		0.7969		56	10.7-94.9		
Surrogate: 4-Terphenyl-d14	0.491	mg/kg dry		0.7969		62	10-108		
Matrix Spike Dup (B013023-MSD1)				Sample: 0054441-12		Prepared: 06/02/20 Analyzed: 06/03/20			
Acenaphthene	0.257	mg/kg dry	R	0.7948	ND	32	21-97.1	56	20
Acenaphthylene	0.265	mg/kg dry	R	0.7948	ND	33	20.9-88.1	53	20
Anthracene	0.255	mg/kg dry	R	0.7948	ND	32	18.8-95.5	53	20
Benzo(a)anthracene	0.195	mg/kg dry	R	0.7948	ND	25	32.2-84.8	57	20
Benzo(b)fluoranthene	0.206	mg/kg dry	R	0.7948	ND	26	26.2-99.2	53	20
Benzo(k)fluoranthene	0.322	mg/kg dry	R	0.7948	ND	40	15.2-100	50	20
Benzo(g,h,i)perylene	0.277	mg/kg dry	R	0.7948	ND	35	34.1-90.5	54	20



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B013023 - 04 SW 3550 (625/8270) - EPA 8270C</u>									
Matrix Spike Dup (B013023-MSD1)	Sample: 0054441-12			Prepared: 06/02/20 Analyzed: 06/03/20					
Benzo(a)pyrene	0.260	mg/kg dry	R	0.7948	ND	33	22-93.7	51	20
Chrysene	0.310	mg/kg dry	R	0.7948	ND	39	19.4-103	53	20
Dibenzo(a,h)anthracene	0.279	mg/kg dry	R	0.7948	ND	35	33.8-88.3	55	20
Fluoranthene	0.259	mg/kg dry	R	0.7948	ND	33	18.7-89	61	20
Fluorene	0.244	mg/kg dry	R	0.7948	ND	31	19.5-97.5	61	20
Indeno(1,2,3-cd)pyrene	0.283	mg/kg dry	R	0.7948	ND	36	30.8-92.2	54	20
Naphthalene	0.255	mg/kg dry	R	0.7948	ND	32	29.7-89.7	56	20
Phenanthrene	0.253	mg/kg dry	R	0.7948	ND	32	19.7-96	54	20
Pyrene	0.260	mg/kg dry	R	0.7948	ND	33	24.1-96.1	60	20
Surrogate: 2-Fluorobiphenyl	0.270	mg/kg dry		0.7948		34	10-98.3		
Surrogate: Nitrobenzene-d5	0.252	mg/kg dry		0.7948		32	10.7-94.9		
Surrogate: 4-Terphenyl-d14	0.266	mg/kg dry		0.7948		33	10-108		
<u>Batch B013242 - 04-No Prep VOA - EPA 8260B</u>									
Blank (B013242-BLK1)	Prepared & Analyzed: 06/02/20								
Benzene	< 0.00500	mg/kg wet							
Ethylbenzene	< 0.00500	mg/kg wet							
Toluene	< 0.00500	mg/kg wet							
Xylenes- Total	< 0.0150	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	0.0496	mg/kg wet		0.05000		99	29.1-156		
Surrogate: 1,2-Dichloroethane-d4	0.0523	mg/kg wet		0.05000		105	51.6-139		
Surrogate: Toluene-d8	0.0510	mg/kg wet		0.05000		102	38.5-147		
LCS (B013242-BS1)	Prepared & Analyzed: 06/02/20								
Benzene	0.0514	mg/kg wet		0.05000		103	80-130		
Ethylbenzene	0.0482	mg/kg wet		0.05000		96	77-132		
Toluene	0.0492	mg/kg wet		0.05000		98	80-130		
Xylenes- Total	0.146	mg/kg wet					80-130		
Surrogate: 4-Bromofluorobenzene	0.0497	mg/kg wet		0.05000		99	29.1-156		
Surrogate: 1,2-Dichloroethane-d4	0.0513	mg/kg wet		0.05000		103	51.6-139		
Surrogate: Toluene-d8	0.0513	mg/kg wet		0.05000		103	38.5-147		
LCS Dup (B013242-BSD1)	Prepared & Analyzed: 06/02/20								
Benzene	0.0567	mg/kg wet		0.05000		113	80-130	10	20
Ethylbenzene	0.0532	mg/kg wet		0.05000		106	77-132	10	20
Toluene	0.0569	mg/kg wet		0.05000		114	80-130	14	20
Xylenes- Total	0.164	mg/kg wet					80-130	11	20
Surrogate: 4-Bromofluorobenzene	0.0511	mg/kg wet		0.05000		102	29.1-156		
Surrogate: 1,2-Dichloroethane-d4	0.0491	mg/kg wet		0.05000		98	51.6-139		
Surrogate: Toluene-d8	0.0519	mg/kg wet		0.05000		104	38.5-147		
<u>Batch B013615 - 04 SW 3010A TCLP - EPA 6010 B</u>									
Blank (B013615-BLK1)	Prepared: 06/09/20 Analyzed: 06/10/20								
Chromium	< 0.0500	mg/L							
LCS (B013615-BS1)	Prepared: 06/09/20 Analyzed: 06/10/20								
Chromium	2.05	mg/L		2.000		102	80-120		
Matrix Spike (B013615-MS1)	Sample: 0060304-01			Prepared: 06/09/20 Analyzed: 06/10/20					



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>Batch B013615 - 04 SW 3010A TCLP - EPA 6010 B</u>									
Matrix Spike (B013615-MS1)	Sample: 0060304-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.08	mg/L		2.000	0.0176	103	70-130		
Matrix Spike (B013615-MS2)	Sample: 0055022-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.05	mg/L		2.000	ND	103	70-130		
Matrix Spike (B013615-MS3)	Sample: 0055024-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.06	mg/L		2.000	ND	103	70-130		
Matrix Spike (B013615-MS4)	Sample: 0055055-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.05	mg/L		2.000	ND	103	70-130		
Matrix Spike (B013615-MS5)	Sample: 0060008-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.05	mg/L		2.000	ND	102	70-130		
Matrix Spike (B013615-MS6)	Sample: 0060443-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.08	mg/L		2.000	0.0245	103	70-130		
Matrix Spike (B013615-MS7)	Sample: 0061360-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.07	mg/L		2.000	ND	104	70-130		
Matrix Spike (B013615-MS8)	Sample: 0061563-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.04	mg/L		2.000	0.00834	102	70-130		
Matrix Spike Dup (B013615-MSD1)	Sample: 0060304-01			Prepared: 06/09/20 Analyzed: 06/10/20					
Chromium	2.07	mg/L		2.000	0.0176	103	70-130	0.5	20



NOTES

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* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

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Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

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SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Mrl Reporting limit set between LOQ and MDL

R Matrix Spike/Matrix Spike Duplicate Failed %Relative Percent Difference criterion.



June 04, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/3/20 3:45 pm** and logged in under work order **0060992**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0060992-01
Name: C/B-16
Matrix: Solid - Composite

Sampled: 06/03/20 09:20
Received: 06/03/20 15:45
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	7.71	pH Units	FP	1		0.0100	06/04/20 14:08	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B013313 - 04-No Prep WC Solid - EPA 9045D

Duplicate (B013313-DUP1)	Sample: 0060995-01			Prepared & Analyzed: 06/04/20					
pH	7.67	pH Units	FP		7.69			0.2	20



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

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Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.



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REGULATORY PROGRAM:			
MORBCA		NPDES	
CCDD	x	RCRA	
TACO: RES		IND/COMM	

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE(S) COLLECTED **IL**

CLIENT I rue North Consultants		PROJECT NAME BG - 2022 CIPS		PROJECT LOCATION Forest/Glendale		PURCHASE ORDER # T120108		ANALYSIS REQUESTED				(FOR LAB USE ONLY) LOGIN # <u>0060992</u>	
ADDRESS 1000 E. Warrenville Rd		PHONE NUMBER 630-717-2880		E-MAIL mbredrup@consulttru		DATE SHIPPED						LOGGED BY: _____	
CITY, STATE ZIP Naperville, IL 60563		SAMPLER Melissa Kupczyk				MATRIX TYPES: WW - wastewater DW - drinking water GW - ground water NAS - Non Aqueous Solid SD - soil						CLIENT _____	
CONTACT PERSON(S) M.Bredrup, M.Kupczyk J.Reed, G.Klepitsch		SAMPLER'S SIGNATURE 										PROJECT _____	
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP		MATRIX TYPE	BOTTLE COUNT	PRES CODE FROM CLIENT	PH				REMARKS
C/B-16		6/3/2020	920	X		SO	4	5	X				
CHEMICAL PRESERVATION CODES:		1-HCL	2-H2SO4	3-HNO3	4-NAOH	5-5035	6-UNPRESERVED	7-OTHER	Comments:				
TURNAROUND TIME REQUESTED (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) RUSH <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/>				DATE RESULTS NEEDED		I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS and QUALIFY RESULTS: (INITIALS) _____ MLK							
RELINQUISHED BY: (SIGNATURE) 		DATE/TIME 6/3/20		RECEIVED BY: (SIGNATURE) 		DATE/TIME 6/3/20		COMMENTS: (FOR LAB USE ONLY)					
RELINQUISHED BY: (SIGNATURE) 		DATE/TIME 6/3/20		RECEIVED BY: (SIGNATURE) 		DATE/TIME 6/3/20		SAMPLE TEMPERATURE UPON RECEIPT <u>0.5</u> °C					
RELINQUISHED BY: (SIGNATURE) 		DATE/TIME 6/4/20		RECEIVED BY: (SIGNATURE) 		DATE/TIME 6/4/20		CHILL PROCESS STARTED PRIOR TO RECEIPT (Y/N) <u>Y</u>					
		0700				1020		SAMPLE(S) RECEIVED ON ICE (Y/N) <u>Y</u>					
								DATE AND TIME TAKEN FROM SAMPLE BOTTLE					



June 08, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/3/20 3:45 pm** and logged in under work order **0061002**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0061002-01
Name: C/B-23
Matrix: Solid - Composite

Sampled: 06/03/20 10:00
Received: 06/03/20 15:45
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	8.92	pH Units	FP	1		0.0100	06/08/20 12:11	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B013547 - 04-No Prep WC Solid - EPA 9045D

Duplicate (B013547-DUP1)	Sample: 0061002-01			Prepared & Analyzed: 06/08/20					
pH	8.91	pH Units	FP		8.92			0.03	20



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.



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REGULATORY PROGRAM:	
MORBCA	NPDES
CCDD	RCRA
TACO-RES	IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE(S) COLLECTED IL

CLIENT True North Consultants		PROJECT NAME BG - 2022 CIPS		PROJECT LOCATION Forest/Glendale		PURCHASE ORDER # T120108		ANALYSIS REQUESTED		(FOR LAB USE ONLY) LOGIN # LOGGED BY: <u>DDG/1002</u>	
ADDRESS 1000 E. Warrenville Rd		PHONE NUMBER 630-717-2880		E-MAIL mbredrup@consulttrr		DATE SHIPPED		CLIENT PROJECT		CLIENT PROJECT	
CITY, STATE ZIP Naperville, IL 60563		SAMPLER Melissa Kupczyk		SAMPLERS SIGNATURE		MATRIX TYPES: Milk Dinking water Ground water Non aqueous Solids SO - soil		REMARKS		CUST. SEAL #:	
CONTACT PERSON(S) M.Bredrup, M.Kupczyk J.Reed, G.Kleptisch		DATE COLLECTED 6/3/2020		TIME COLLECTED 1000		BOTTLE COUNT 1		PRES CODE FROM CLIENT 6		REMARKS	
SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) CIB-23		DATE COLLECTED		TIME COLLECTED		BOTTLE COUNT		PRES CODE FROM CLIENT		REMARKS	
CHEMICAL PRESERVATION CODES:		1-HCL		2-H2SO4		3-HNO3		4-NAOH		5-5035	
TURNAROUND TIME REQUESTED		6-UNPRESERVED		7-OTHER		Comments:					
RUSH <input type="checkbox"/>		STANDARD <input checked="" type="checkbox"/>		DATE RESULTS NEEDED		I understand that by initiating this box I give the lab permission to proceed with analysis, even though it may not meet all sample performance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.		PROCCEED WITH ANALYSIS AND QUALITY RESULTS (INITIALS)		COMMENTS: (FOR LAB USE ONLY) MILK	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE) <i>Qui Clark</i>		DATE/TIME 6/15/20		DATE/TIME		SAMPLE TEMPERATURE UPON RECEIPT	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME 6/15/20		DATE/TIME		CHILL PROCESS STARTED PRIOR TO RECEIPT (Y/N)	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		DATE/TIME		SAMPLE(S) RECEIVED ON ICE (Y/N)	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		DATE/TIME		DATE AND TIME TAKEN FROM SAMPLE BOTTLE	



June 04, 2020

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: BG-2022 CIPS-Forest/Glendale

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/3/20 3:45 pm** and logged in under work order **0060995**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

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Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Austin'.

Michael Austin
Project Manager
(314) 595-7341
maustin@pdclab.com





ANALYTICAL RESULTS

Sample: 0060995-01
Name: C/B-33
Matrix: Solid - Composite

Sampled: 06/03/20 10:55
Received: 06/03/20 15:45
PO #: T120108

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
pH	7.69	pH Units	FP	1		0.0100	06/04/20 14:08	BCH	EPA 9045D



QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B013313 - 04-No Prep WC Solid - EPA 9045D

Duplicate (B013313-DUP1)	Sample: 0060995-01			Prepared & Analyzed: 06/04/20					
pH	7.67	pH Units	FP		7.69			0.2	20



NOTES

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* Not a TNI accredited analyte

Certifications

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Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

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STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

PDC Laboratories, Inc, Hazelwood
944 Anglum Road
Hazelwood, MO 63042

NELAP ACCREDITED

Accreditation Number #200080



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Primary Accrediting Authority: Kansas

Celeste M. Crowley
Supervisor
Environmental Laboratory Accreditation Program

Certificate No: 2000802020-1

Expiration Date: 8/5/2020

Issued On: 3/26/2020

**State of Illinois
Environmental Protection Agency**

Certificate No.: 2000802020-1

Awards the Certificate of Approval to:

PDC Laboratories, Inc, Hazelwood
944 Anglum Road
Hazelwood, MO 63042

Accreditation Start: 8/5/2019 Accreditation End: 8/5/2020

The Illinois Environmental Laboratory Accreditation Program encourages all clients and data users to verify the most current scope of accreditation for PDC Laboratories, Inc, Hazelwood.

Primary AB

Field of Testing /Matrix: CWA (Non Potable Water)

Method EPA 150.2

pH KS

Method EPA 1664A Rev: 1

Oil & Grease KS

Method EPA 200.7 Rev: 4.4

Aluminum KS

Antimony KS

Arsenic KS

Barium KS

Beryllium KS

Cadmium KS

Calcium KS

Chromium KS

Cobalt KS

Copper KS

Hardness (calc.) KS

Iron KS

Lead KS

Magnesium KS

Manganese KS

Molybdenum KS

Nickel KS

Potassium KS

Selenium KS

Silver KS

Sodium KS

Thallium KS

Zinc KS

Method EPA 245.1 Rev: 3

Mercury KS

Method EPA 300.0 Rev: 2.1

Chloride KS

Nitrate KS

Nitrate plus Nitrite as N KS

Nitrite KS

Sulfate KS

Method EPA 350.1 Rev: 2

Ammonia KS

Field of Testing /Matrix: CWA (Non Potable Water)**Method EPA 420.1**

Total phenolics	KS
-----------------	----

Method EPA 625

1,2,4-Trichlorobenzene	KS
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	KS
2,4,6-Trichlorophenol	KS
2,4-Dichlorophenol	KS
2,4-Dimethylphenol	KS
2,4-Dinitrophenol	KS
2,4-Dinitrotoluene (2,4-DNT)	KS
2,6-Dinitrotoluene (2,6-DNT)	KS
2-Chloronaphthalene	KS
2-Chlorophenol	KS
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	KS
2-Nitrophenol	KS
3,3'-Dichlorobenzidine	KS
4-Bromophenyl phenyl ether	KS
4-Chloro-3-methylphenol	KS
4-Chlorophenyl phenylether	KS
4-Nitrophenol	KS
Acenaphthene	KS
Acenaphthylene	KS
Anthracene	KS
Benzo(a)anthracene	KS
Benzo(a)pyrene	KS
Benzo(b)fluoranthene	KS
Benzo(g,h,i)perylene	KS
Benzo(k)fluoranthene	KS
bis(2-Chloroethoxy)methane	KS
bis(2-Chloroethyl) ether	KS
bis(2-Ethylhexyl) phthalate (DEHP)	KS
Butyl benzyl phthalate	KS
Chrysene	KS
Dibenz(a,h) anthracene	KS
Diethyl phthalate	KS
Dimethyl phthalate	KS
Di-n-butyl phthalate	KS
Di-n-octyl phthalate	KS
Fluoranthene	KS
Fluorene	KS
Hexachlorobenzene	KS
Hexachlorobutadiene	KS
Hexachlorocyclopentadiene	KS
Hexachloroethane	KS
Indeno(1,2,3-cd) pyrene	KS
Isophorone	KS
Naphthalene	KS
Nitrobenzene	KS
n-Nitrosodimethylamine	KS
n-Nitrosodi-n-propylamine	KS
n-Nitrosodiphenylamine	KS
Pentachlorophenol	KS

Field of Testing /Matrix: CWA (Non Potable Water)

Phenanthrene	KS
Phenol	KS
Pyrene	KS
Method SM 2320 B-2011	
Alkalinity as CaCO ₃	KS
Method SM 2540 B-2011	
Residue-total	KS
Method SM 2540 C-2011	
Residue-filterable (TDS)	KS
Method SM 2540 D-2011	
Residue-nonfilterable (TSS)	KS
Method SM 3500-Cr B-2011	
Chromium VI	KS
Method SM 4500-CN⁻ E-2011	
Cyanide	KS
Method SM 4500-H⁺ B-2011	
pH	KS
Method SM 4500-P E-2011	
Orthophosphate as P	KS
Phosphorus	KS
Method SM 5210 B-2011	
Biochemical oxygen demand	KS
Carbonaceous BOD, CBOD	KS
Method SM 5220 D-2011	
Chemical oxygen demand	KS

Field of Testing /Matrix: RCRA (Non Potable Water)**Method EPA 1020B**

Ignitability KS

Method EPA 1311 Rev: 0

Toxicity Characteristic Leaching Procedure (TCLP) KS

Method EPA 6010B Rev: 2

Aluminum KS

Antimony KS

Arsenic KS

Barium KS

Beryllium KS

Cadmium KS

Calcium KS

Chromium KS

Cobalt KS

Copper KS

Iron KS

Lead KS

Magnesium KS

Manganese KS

Molybdenum KS

Nickel KS

Phosphorus KS

Potassium KS

Selenium KS

Silver KS

Sodium KS

Thallium KS

Vanadium KS

Zinc KS

Method EPA 7470A Rev: 1

Mercury KS

Method EPA 8015C

Diesel range organics (DRO) KS

Method EPA 8270C Rev: 3

1,2,4-Trichlorobenzene KS

1,2-Dichlorobenzene (o-Dichlorobenzene) KS

1,2-Diphenylhydrazine KS

1,3-Dichlorobenzene KS

1,4-Dichlorobenzene KS

2,4,5-Trichlorophenol KS

2,4,6-Trichlorophenol KS

2,4-Dichlorophenol KS

2,4-Dimethylphenol KS

2,4-Dinitrophenol KS

2,4-Dinitrotoluene (2,4-DNT) KS

2,6-Dichlorophenol KS

2,6-Dinitrotoluene (2,6-DNT) KS

2-Chloronaphthalene KS

2-Chlorophenol KS

2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol) KS

2-Methylnaphthalene KS

Field of Testing /Matrix: RCRA (Non Potable Water)

2-Methylphenol (o-Cresol)	KS
2-Nitroaniline	KS
2-Nitrophenol	KS
3,3'-Dichlorobenzidine	KS
3-Methylphenol (m-Cresol)	KS
3-Nitroaniline	KS
4-Bromophenyl phenyl ether	KS
4-Chloro-3-methylphenol	KS
4-Chloroaniline	KS
4-Chlorophenyl phenylether	KS
4-Methylphenol (p-Cresol)	KS
4-Nitroaniline	KS
4-Nitrophenol	KS
Acenaphthene	KS
Acenaphthylene	KS
Aniline	KS
Anthracene	KS
Benzo(a)anthracene	KS
Benzo(a)pyrene	KS
Benzo(b)fluoranthene	KS
Benzo(g,h,i)perylene	KS
Benzo(k)fluoranthene	KS
Benzoic acid	KS
Benzyl alcohol	KS
bis(2-Chloroethoxy)methane	KS
bis(2-Chloroethyl) ether	KS
bis(2-Ethylhexyl) phthalate (DEHP)	KS
Butyl benzyl phthalate	KS
Chrysene	KS
Dibenz(a,h) anthracene	KS
Dibenzofuran	KS
Diethyl phthalate	KS
Dimethyl phthalate	KS
Di-n-butyl phthalate	KS
Di-n-octyl phthalate	KS
Diphenylamine	KS
Fluoranthene	KS
Fluorene	KS
Hexachlorobenzene	KS
Hexachlorobutadiene	KS
Hexachlorocyclopentadiene	KS
Hexachloroethane	KS
Indeno(1,2,3-cd) pyrene	KS
Isophorone	KS
Naphthalene	KS
Nitrobenzene	KS
n-Nitrosodimethylamine	KS
n-Nitrosodi-n-propylamine	KS
n-Nitrosodiphenylamine	KS
Pentachlorophenol	KS
Phenanthrene	KS
Phenol	KS

Field of Testing /Matrix: RCRA (Non Potable Water)

Pyrene

KS

Pyridine

KS

Method EPA 9040

pH

KS

Method EPA 9056 Rev: 0

Sulfate

KS

Method EPA 9065 Rev: 0

Total phenolics

KS

Method EPA 9095A

Paint Filter Test

KS

Field of Testing /Matrix: RCRA (Solid & Hazardous Material)**Method EPA 1020B**

Ignitability KS

Method EPA 1311 Rev: 0

Toxicity Characteristic Leaching Procedure (TCLP) KS

Method EPA 6010B Rev: 2

Aluminum KS

Antimony KS

Arsenic KS

Barium KS

Beryllium KS

Cadmium KS

Calcium KS

Chromium KS

Cobalt KS

Copper KS

Iron KS

Lead KS

Magnesium KS

Manganese KS

Molybdenum KS

Nickel KS

Phosphorus KS

Potassium KS

Selenium KS

Silver KS

Sodium KS

Thallium KS

Vanadium KS

Zinc KS

Method EPA 7471A

Mercury KS

Method EPA 8015C

Diesel range organics (DRO) KS

Method EPA 8260B

1,1,1,2-Tetrachloroethane KS

1,1,1-Trichloroethane KS

1,1,2,2-Tetrachloroethane KS

1,1,2-Trichloroethane KS

1,1-Dichloroethane KS

1,1-Dichloroethylene KS

1,1-Dichloropropene KS

1,2,3-Trichlorobenzene KS

1,2,3-Trichloropropane KS

1,2,4-Trichlorobenzene KS

1,2,4-Trimethylbenzene KS

1,2-Dibromo-3-chloropropane (DBCP) KS

1,2-Dibromoethane (EDB, Ethylene dibromide) KS

1,2-Dichlorobenzene (o-Dichlorobenzene) KS

1,2-Dichloroethane (Ethylene dichloride) KS

1,2-Dichloropropane KS

1,3,5-Trimethylbenzene KS

Field of Testing /Matrix: RCRA (Solid & Hazardous Material)

1,3-Dichlorobenzene	KS
1,3-Dichloropropane	KS
1,4-Dichlorobenzene	KS
2,2-Dichloropropane	KS
2-Butanone (Methyl ethyl ketone, MEK)	KS
2-Chlorotoluene	KS
2-Hexanone	KS
2-Nitropropane	KS
4-Chlorotoluene	KS
4-Isopropyltoluene (p-Cymene,p-Isopropyltoluene)	KS
4-Methyl-2-pentanone (MIBK)	KS
Acetone	KS
Acetonitrile	KS
Acrolein (Propenal)	KS
Acrylonitrile	KS
Allyl chloride (3-Chloropropene)	KS
Benzene	KS
Bromobenzene	KS
Bromochloromethane	KS
Bromodichloromethane	KS
Bromoform	KS
Carbon disulfide	KS
Carbon tetrachloride	KS
Chlorobenzene	KS
Chlorodibromomethane	KS
Chloroethane (Ethyl chloride)	KS
Chloroform	KS
cis-1,2-Dichloroethylene	KS
cis-1,3-Dichloropropene	KS
Dibromomethane (Methylene bromide)	KS
Dichlorodifluoromethane (Freon-12)	KS
Ethylbenzene	KS
Hexachlorobutadiene	KS
Isopropylbenzene	KS
Methyl bromide (Bromomethane)	KS
Methyl chloride (Chloromethane)	KS
Methyl methacrylate	KS
Methyl tert-butyl ether (MTBE)	KS
Methylene chloride (Dichloromethane)	KS
m-Xylene	KS
Naphthalene	KS
n-Butylbenzene	KS
n-Propylbenzene	KS
o-Xylene	KS
Propionitrile (Ethyl cyanide)	KS
p-Xylene	KS
sec-Butylbenzene	KS
Styrene	KS
tert-Butylbenzene	KS
Tetrachloroethylene (Perchloroethylene)	KS
Toluene	KS
trans-1,2-Dichloroethylene	KS

Field of Testing /Matrix: RCRA (Solid & Hazardous Material)

trans-1,3-Dichloropropylene	KS
Trichloroethene (Trichloroethylene)	KS
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	KS
Vinyl acetate	KS
Vinyl chloride	KS

Method EPA 8270C Rev: 3

1,2,4-Trichlorobenzene	KS
1,2-Dichlorobenzene (o-Dichlorobenzene)	KS
1,2-Diphenylhydrazine	KS
1,3-Dichlorobenzene	KS
1,4-Dichlorobenzene	KS
2,4,5-Trichlorophenol	KS
2,4,6-Trichlorophenol	KS
2,4-Dichlorophenol	KS
2,4-Dimethylphenol	KS
2,4-Dinitrophenol	KS
2,4-Dinitrotoluene (2,4-DNT)	KS
2,6-Dichlorophenol	KS
2,6-Dinitrotoluene (2,6-DNT)	KS
2-Chloronaphthalene	KS
2-Chlorophenol	KS
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	KS
2-Methylnaphthalene	KS
2-Methylphenol (o-Cresol)	KS
2-Nitroaniline	KS
2-Nitrophenol	KS
3,3'-Dichlorobenzidine	KS
3-Methylphenol (m-Cresol)	KS
3-Nitroaniline	KS
4-Bromophenyl phenyl ether	KS
4-Chloro-3-methylphenol	KS
4-Chloroaniline	KS
4-Chlorophenyl phenylether	KS
4-Methylphenol (p-Cresol)	KS
4-Nitroaniline	KS
4-Nitrophenol	KS
Acenaphthene	KS
Acenaphthylene	KS
Aniline	KS
Anthracene	KS
Benzo(a)anthracene	KS
Benzo(a)pyrene	KS
Benzo(b)fluoranthene	KS
Benzo(g,h,i)perylene	KS
Benzo(k)fluoranthene	KS
Benzoic acid	KS
Benzyl alcohol	KS
bis(2-Chloroethoxy)methane	KS
bis(2-Chloroethyl) ether	KS
bis(2-Ethylhexyl) phthalate (DEHP)	KS
Butyl benzyl phthalate	KS
Chrysene	KS

Field of Testing /Matrix: RCRA (Solid & Hazardous Material)

Dibenz(a,h) anthracene	KS
Dibenzofuran	KS
Diethyl phthalate	KS
Dimethyl phthalate	KS
Di-n-butyl phthalate	KS
Di-n-octyl phthalate	KS
Diphenylamine	KS
Fluoranthene	KS
Fluorene	KS
Hexachlorobenzene	KS
Hexachlorobutadiene	KS
Hexachlorocyclopentadiene	KS
Hexachloroethane	KS
Indeno(1,2,3-cd) pyrene	KS
Isophorone	KS
Naphthalene	KS
Nitrobenzene	KS
n-Nitrosodimethylamine	KS
n-Nitrosodi-n-propylamine	KS
n-Nitrosodiphenylamine	KS
Pentachlorophenol	KS
Phenanthrene	KS
Phenol	KS
Pyrene	KS
Pyridine	KS
Method EPA 9045C Rev: 3	
pH	KS
Method EPA 9065 Rev: 0	
Total phenolics	KS
Method EPA 9095A	
Paint Filter Test	KS

End of Scope of Accreditation



DATABASE REPORT

Project Property: *Forest/ Glendale - North
Forest/ Glendale - North
Buffalo Grove IL 60089*

Project No: *T20-039*

Report Type: *Screen Report Plus*

Order No: *20200113306*

Requested by: *Bluff City Materials, Inc*

Date Completed: *January 13, 2020*

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Executive Summary

Property Information:

Project Property: *Forest/ Glendale - North
Forest/ Glendale - North Buffalo Grove IL 60089*

Project No: *T20-039*

Coordinates:

Latitude: *42.149429*
Longitude: *-87.962265*
UTM Northing: *4,666,815.43*
UTM Easting: *420,493.84*
UTM Zone: *16T*

Elevation: *684 FT*

Order Information:

Order No: *20200113306*
Date Requested: *January 13, 2020*
Requested by: *Bluff City Materials, Inc*
Report Type: *Screen Report Plus*

Historicals/Products:

ERIS Xplorer [*ERIS Xplorer*](#)
Excel Add-On *Excel Add-On*

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
<u>Standard Environmental Records</u>				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
ODI	Y	0	0	0
IODI	Y	0	0	0
CERCLIS	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	1	1
RCRA CESQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
SUPERFUND ROD	Y	0	0	0
State				
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	1	1
LUST DOCUMENT	Y	0	1	1
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	1	1
AST	Y	0	0	0
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
SRP	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0
County				
TANKS CHICAGO	Y	0	0	0
PERMITS CHICAGO	Y	0	0	0
<u>Additional Environmental Records</u>				
Federal				
PFAS NPL	Y	0	0	0
FINDS/FRS	Y	0	3	3
TRIS	Y	0	0	0
PFAS TRI	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
ALT FUELS	Y	0	0	0
SSTS	Y	0	0	0
PCB	Y	0	0	0

State

SPILLS	Y	0	3	3
SPILLS2	Y	0	0	0
PFAS	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
CDL	Y	0	0	0
TIER 2	Y	0	0	0
AIR PERMITS	Y	0	0	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total: 0 10 10

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SPILLS	OWNER OF RESIDENCE/SUSPECT	91 FOREST PLACE BUFFALO GROVE IL <i>Incident No:</i> 971202	ESE	0.10 / 526.67	1	15
2	FINDS/FRS	MORRIS, KAREN	169 GLENDALE RD BUFFALO GROVE IL 60089	S	0.10 / 551.27	5	16
3	RCRA SQG	BUFFALO GROVE VILLAGE OF	51 RAUPP BLVD BUFFALO GROVE IL 60089 <i>EPA Handler ID:</i> ILD984853960	WNW	0.22 / 1,162.67	-8	16
3	LUST	Buffalo Grove, Village of	51 Raupp Blvd. Buffalo Grove IL 60089 <i>Incident No Incidents ID NFR Date:</i> 932929 16263 06/20/2001	WNW	0.22 / 1,162.67	-8	18
3	UST	Public Service Center	51 Raupp Boulevard Buffalo Grove, IL 60089 IL <i>Facility No Facility Status:</i> 2001748 Active <i>Tank No Status Removed Date:</i> 5 Currently in use , 2 Removed 6/9/1994, 1 Removed 6/9/1994, 3 Removed 2/20/2002, 4 Removed 5/1/1988, 6 Currently in use	WNW	0.22 / 1,162.67	-8	18
3	FINDS/FRS	VILLAGE OF BUFFALO GROVE PWD	51 RAUPP BOULEVARD BUFFALO GROVE IL 60089	WNW	0.22 / 1,162.67	-8	22
3	FINDS/FRS	BUFFALO GROVE, VILLAGE OF	51 RAUPP BLVD BUFFALO GROVE IL 60089	WNW	0.22 / 1,162.67	-8	23
3	SPILLS	BUFFALO GROVE, VILLAGE OF	51 RAUPP BLVD. BUFFALO GROVE IL <i>Incident No:</i> 932929	WNW	0.22 / 1,162.67	-8	24
3	SPILLS	CITY OF BUFFALO GROVE	51 RUPP BLVD. BUFFALO GROVE IL <i>Incident No:</i> 950112	WNW	0.22 / 1,162.67	-8	25
3	LUST DOCUMENT	Buffalo Grove, Village Of	51 Raupp Blvd Buffalo Grove IL 60089	WNW	0.22 / 1,162.67	-8	26

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Nov 18, 2019 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BUFFALO GROVE VILLAGE OF	51 RAUPP BLVD BUFFALO GROVE IL 60089	WNW	0.22 / 1,162.67	<u>3</u>
<i>EPA Handler ID: ILD984853960</i>				

State

LUST - Leaking Underground Storage Tanks (LUST)

A search of the LUST database, dated Dec 2, 2019 has found that there are 1 LUST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Buffalo Grove, Village of	51 Raupp Blvd. Buffalo Grove IL 60089	WNW	0.22 / 1,162.67	<u>3</u>
<i>Incident No Incidents ID NFR Date: 932929 16263 06/20/2001</i>				

LUST DOCUMENT - Leaking UST Document

A search of the LUST DOCUMENT database, dated Oct 30, 2019 has found that there are 1 LUST DOCUMENT site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Buffalo Grove, Village Of	51 Raupp Blvd Buffalo Grove IL 60089	WNW	0.22 / 1,162.67	<u>3</u>

UST - Underground Storage Tank Database (UST)

A search of the UST database, dated Jul 17, 2019 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Public Service Center	51 Raupp Boulevard Buffalo Grove, IL 60089 IL	WNW	0.22 / 1,162.67	<u>3</u>

Lower Elevation **Address** **Direction** **Distance (mi/ft)** **Map Key**

*Facility No | Facility Status: 2001748 | Active
 Tank No | Status | Removed Date: 5 | Currently in use | , 2 | Removed | 6/9/1994, 1 | Removed | 6/9/1994, 3 |
 Removed | 2/20/2002, 4 | Removed | 5/1/1988, 6 | Currently in use |*

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 6, 2019 has found that there are 3 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation **Address** **Direction** **Distance (mi/ft)** **Map Key**

MORRIS, KAREN 169 GLENDALE RD
 BUFFALO GROVE IL 60089 S 0.10 / 551.27 [2](#)

Lower Elevation **Address** **Direction** **Distance (mi/ft)** **Map Key**

VILLAGE OF BUFFALO GROVE
 PWD 51 RAUPP BOULEVARD
 BUFFALO GROVE IL 60089 WNW 0.22 / 1,162.67 [3](#)

BUFFALO GROVE, VILLAGE OF 51 RAUPP BLVD
 BUFFALO GROVE IL 60089 WNW 0.22 / 1,162.67 [3](#)

State

SPILLS - Spills and Incidents

A search of the SPILLS database, dated Dec 11, 2019 has found that there are 3 SPILLS site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation **Address** **Direction** **Distance (mi/ft)** **Map Key**

OWNER OF
 RESIDENCE/SUSPECT 91 FOREST PLACE
 BUFFALO GROVE IL ESE 0.10 / 526.67 [1](#)

Incident No: 971202

Lower Elevation **Address** **Direction** **Distance (mi/ft)** **Map Key**

CITY OF BUFFALO GROVE 51 RUPP BLVD.
 BUFFALO GROVE IL WNW 0.22 / 1,162.67 [3](#)

Incident No: 950112

BUFFALO GROVE, VILLAGE OF 51 RAUPP BLVD.
 BUFFALO GROVE IL WNW 0.22 / 1,162.67 [3](#)

Lower Elevation

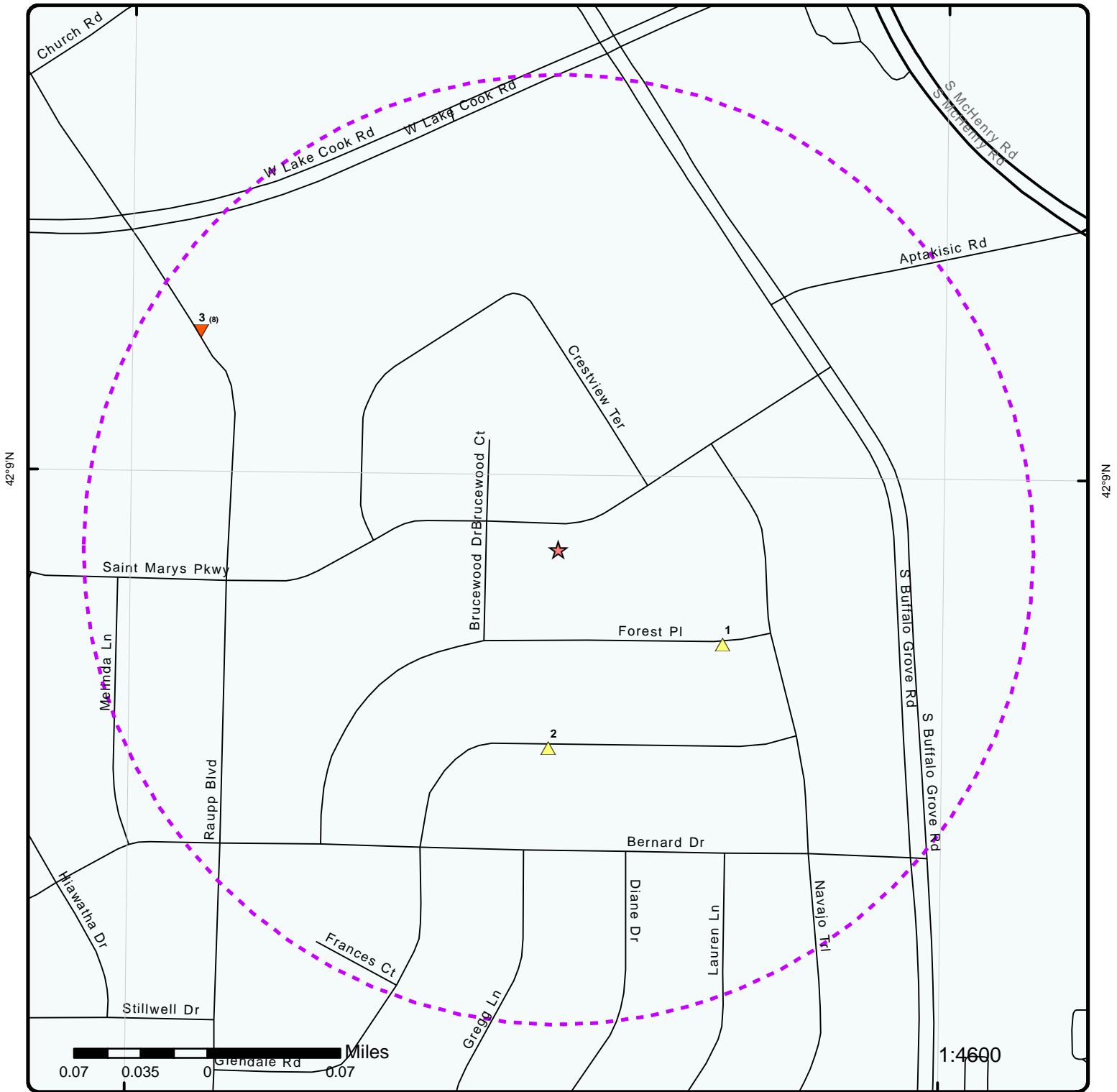
Address

Direction

Distance (mi/ft)

Map Key

Incident No: 932929



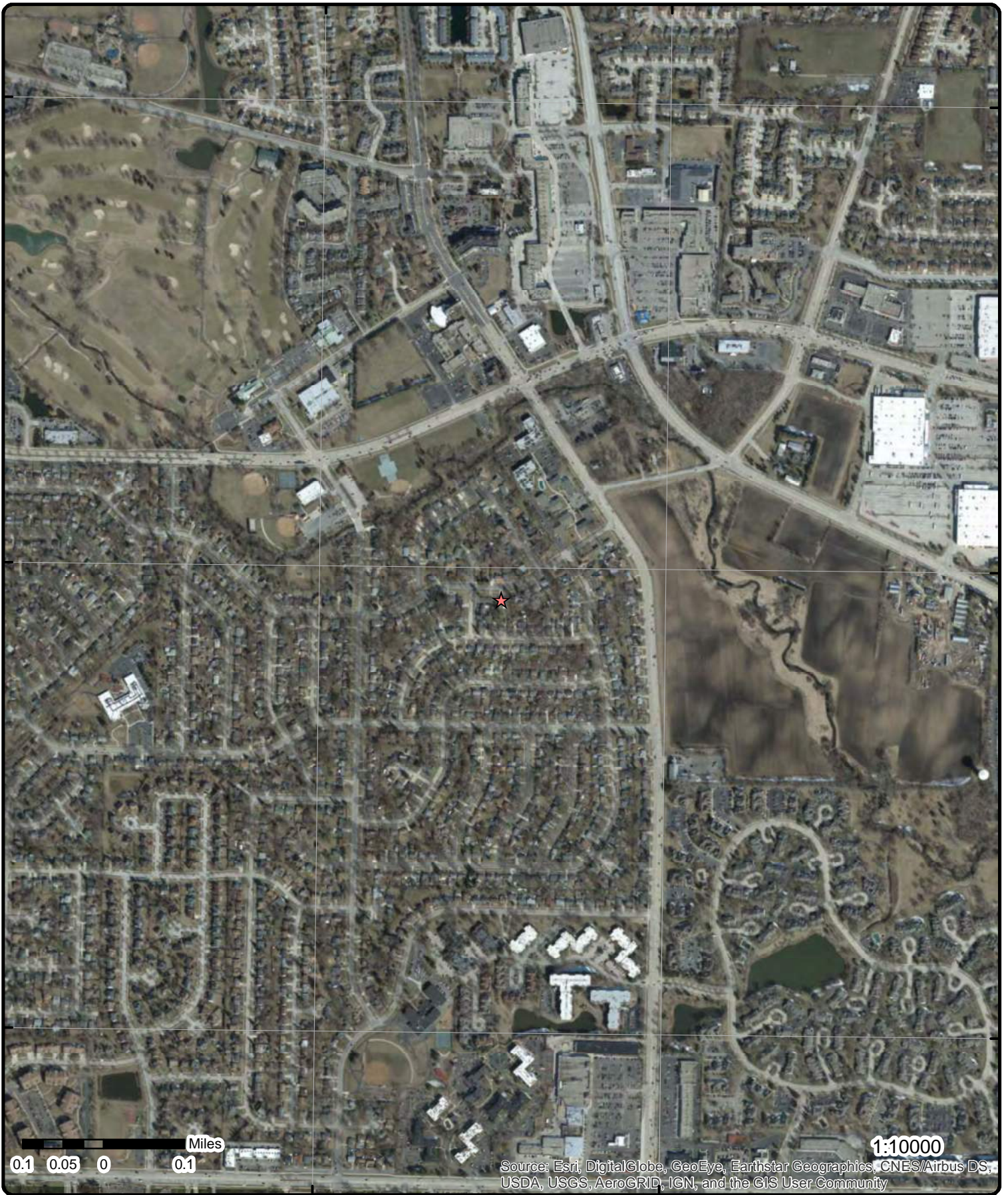
Map : 0.25 Mile Radius

Order Number: 20200113306

Address: Forest/ Glendale - North, Buffalo Grove, IL



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



Aerial Year: 2018

Address: Forest/ Glendale - North, Buffalo Grove, IL

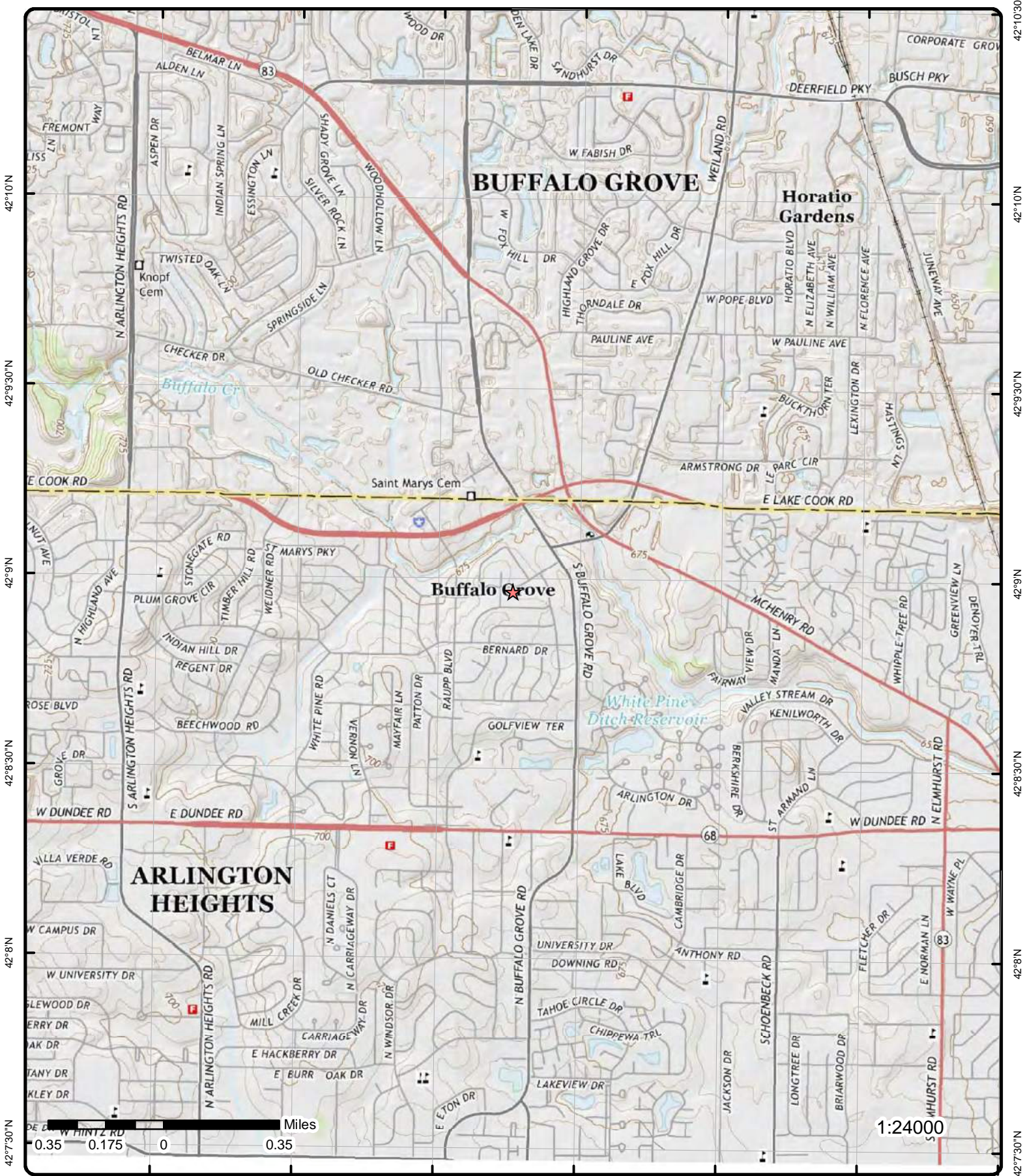
Source: ESRI World Imagery

Order Number: 20200113306



© ERIS Information Inc.

87°59'W 87°58'30"W 87°58'W 87°57'30"W 87°57'W 87°56'30"W



Topographic Map Year: 2015

Address: Forest/ Glendale - North, IL

Quadrangle(s): Wheeling, IL

Source: USGS Topographic Map

Order Number: 20200113306



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	ESE	0.10 / 526.67	685.30 / 1	OWNER OF RESIDENCE/SUSPECT 91 FOREST PLACE BUFFALO GROVE IL	SPILLS

Incident No: 971202
Date/Time Occurred:
Area Involved: FIXED FACILITY/RESIDENCE
Media Release:
Milepost:
County: COOK
Facility Manager:
Fac Manager Phone:
Responsible Party Street:

Section:
Township:
Range:
Latitude:
Longitude:

Hazardous Materials Incident Report

Hazmat Incident Type: LEAK
LUST?:
Data Input Status: CLOSED
Incident Report Date: 7/6/1997 6:45:00 PM
Street Address: 91 FOREST PLACE
City: BUFFALO GROVE
County: COOK
URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=971202>
Narrative:

Date Entered:
Entered by:
Caller: DAVE VILLMIN
Caller Represents: BUFFALO GROVE FD

Follow Up Information:

Materials Involved

Name: FUEL OIL
Type: UNKNOWN
CHRIS CODE:
CAS No:
UN/NA No:
Container Type: UNDERGROUND TANK SUSPECTED
Container Size: UNDERGROUND TANK SUSPECTED
Amount Released: UNKNOWN
Rate of Release Min:
Duration of Release:
A 302(a) Extremely Haz Sub?:
A RCRA Hazardous Waste?:

Cause of Release: UNKNOWN
Est Spill Extent:
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occurr:
Date/Time Discov: 07/06/97 1747
Unknown Discovered:
Where Taken: -0-
On Scene Contact:
No of People Evacuat: -0-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
A RCRA Regulated Facility?:						
Public Health Risks:		-0-				
State Agency Assistance:						
Containment/Cleanup Plans:						

2	1 of 1	S	0.10 / 551.27	689.18 / 5	MORRIS, KAREN 169 GLENDALE RD BUFFALO GROVE IL 60089	FINDS/FRS
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Registry ID: 110018328843
FIPS Code: 17031
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 19-OCT-2004 14:59:53
Update Date: 29-DEC-2014 09:09:40
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 10
Census Block Code: 170318030101009
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude: 42.14793
Longitude: -87.96237
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018328843
Program Acronyms:

3	1 of 8	WNW	0.22 / 1,162.67	675.71 / -8	BUFFALO GROVE VILLAGE OF 51 RAUPP BLVD BUFFALO GROVE IL 60089	RCRA SQG
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EPA Handler ID: ILD984853960
Gen Status Universe: Small Quantity Generator
Contact Name: PHILIP GARTKIETICZ
Contact Address: 51 RAUPP BLVD , , BUFFALO GROVE , IL, 60089 , US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contact Phone No and Ext:		708-459-2579				
Contact Email:						
Contact Country:		US				
County Name:		COOK				
EPA Region:		05				
Land Type:		Municipal				
Receive Date:		19920310				

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920310
Handler Name: BUFFALO GROVE VILLAGE OF
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Municipal
Street No:
Street 1: 51 RAUPP BLVD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Name:	BUFFALO GROVE VILLAGE OF				Street 2:	
Date Became Current:					City:	BUFFALO GROVE
Date Ended Current:					State:	IL
Phone:	708-459-2579				Country:	
Source Type:	Notification				Zip Code:	60089

3	2 of 8	WNW	0.22 / 1,162.67	675.71 / -8	Buffalo Grove, Village of 51 Raupp Blvd. Buffalo Grove IL 60089	LUST
Incident No:	932929			LPC No:	0314185021	
Incidents ID:	16263			IEMA Date:	11/09/1993	
NFR Date:	06/20/2001			Regulation:	732	
Gasoline:	True			C 20 Day Report Date:	11/18/1993	
Unleaded:	False			C 45 Day Report Date:	12/13/1993	
Diesel:	False			NFR Recorded Date:	08/06/2001	
Fuel Oil:	False			Pre 74 Date:		
Jet Fuel:	False			Proj Manager Phone:		
Used Oil:	False			Proj Mngr First Nm:	Steve	
Non Petroleum Prod:	False			Proj Mngr Last Nm:	Jones	
Other Petroleum:	False			Proj Manager Email:		
Non LUST Date:				Site County:	Cook	
Non LUST Letter Dt:						
Heating Oil Letter Date:						
Free Product Discovery Date:						
Primary Resp Party Name:	Village of Buffalo Grove					
Primary Resp Party Address:	51 Raupp Blvd.					
Primary Resp Party City:	Buffalo Grove					
Primary Resp Party State:	IL					
Primary Resp Party Zip:	60089					
Primary Resp Party Phone:						
Primary Resp Party Contact:						

3	3 of 8	WNW	0.22 / 1,162.67	675.71 / -8	Public Service Center 51 Raupp Boulevard Buffalo Grove, IL 60089 IL	UST
Facility No:	2001748			Green Tag Exp Dt:	12/31/2020	
Facility Status:	Active			Mtr Fuel Perm Insp Dt:	5/23/2018	
Facility Type:	City / Town			Mtr Fuel Perm Exp Dt:	12/31/2020	
Motor Fuel Type:	Fleet			Fin Resp Rpt Due:	4/25/2020	
Green Tag Decal:	T001684			County:	Lake	
Green Tag Issue Dt:	5/23/2018					
Purchase Date:	6/1/1988					
Type Financial Resp:	Commercial Insurance					
Property Parcel:						
Owner Type:	Municipal					
Owner Status:	Current Owner					
Owner Name:	Village of Buffalo Grove					
Owner Address:	50 Raupp Boulevard Buffalo Grove, IL 60089					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2001748&PrintDetail=true>
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001748>

Tank Information

Tank No:	5	Current Age:	25
Status:	Currently in use	Product:	Gasoline
Removed Date:		Product Date:	7/1/1994
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	7/1/1994	Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	12000	OSFM First Noti Dt:	8/31/1994
Regulated Status:	Federal	CAS Code:	

Tank Equipment

Equipment Type: Leak Detect - Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: European with No Test Req Suction

Equipment Type: Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Double Wall

Equipment Type: Leak Detect - Tank
Last Passing Date: 5/24/2019
Test Expire Date: 5/24/2020
Equipment: Automatic Tank Gauging Incon TS 1000

Equipment Type: Leak Detect - Tank
Last Passing Date: 5/24/2019
Test Expire Date: 5/24/2020
Equipment: Interstitial Monitoring Incon TS 1000

Equipment Type: Corrosion Prot - Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Non-Corrosive

Equipment Type: Spill Contain Device
Last Passing Date: 5/7/2019
Test Expire Date: 5/7/2022
Equipment: Single Wall Spill Bucket EBW 705

Equipment Type: Overfill Prev Device
Last Passing Date: 5/7/2019
Test Expire Date: 5/7/2022

Equipment: Overfill Drop Tube Valve OPW 61SO

Equipment Type: Tank

Last Passing Date: N/A

Test Expire Date: N/A

Equipment: Fiberglass Brine Filled Double Wall XERXES

Equipment Type: Corrosion Prot - Tank

Last Passing Date: N/A

Test Expire Date: N/A

Equipment: Fiberglass Non-Corrosive

Tank Information

Tank No:	2	Current Age:	18
Status:	Removed	Product:	Diesel Fuel
Removed Date:	6/9/1994	Product Date:	1/1/1976
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	1/1/1976	Abandoned Material:	
Last Used Date:	5/10/1994	Fee Due:	\$0.00
Capacity:	10000	OSFM First Noti Dt:	2/10/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	1	Current Age:	18
Status:	Removed	Product:	Gasoline
Removed Date:	6/9/1994	Product Date:	1/1/1976
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	1/1/1976	Abandoned Material:	
Last Used Date:	5/10/1994	Fee Due:	\$0.00
Capacity:	10000	OSFM First Noti Dt:	2/10/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	3	Current Age:	13
Status:	Removed	Product:	Used Oil
Removed Date:	2/20/2002	Product Date:	5/1/1988
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	5/1/1988	Abandoned Material:	
Last Used Date:	12/1/1999	Fee Due:	\$0.00
Capacity:	550	OSFM First Noti Dt:	1/17/1989
Regulated Status:	Federal	CAS Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tank Information

Tank No:	4	Current Age:	12
Status:	Removed	Product:	Used Oil
Removed Date:	5/1/1988	Product Date:	1/1/1976
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	1/1/1976	Abandoned Material:	
Last Used Date:	5/1/1988	Fee Due:	\$0.00
Capacity:	350	OSFM First Noti Dt:	2/10/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	6	Current Age:	25
Status:	Currently in use	Product:	Diesel Fuel
Removed Date:		Product Date:	7/1/1994
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:	7/1/1994	Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	12000	OSFM First Noti Dt:	8/31/1994
Regulated Status:	Federal	CAS Code:	

Tank Equipment

Equipment Type: Tank
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Brine Filled Double Wall XERXES

Equipment Type: Leak Detect - Tank
Last Passing Date: 5/24/2019
Test Expire Date: 5/24/2020
Equipment: Interstitial Monitoring Incon TS 1000

Equipment Type: Corrosion Prot - Tank
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Non-Corrosive

Equipment Type: Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Double Wall

Equipment Type: Corrosion Prot - Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: Fiberglass Non-Corrosive

Equipment Type: Leak Detect - Tank
Last Passing Date: 5/24/2019
Test Expire Date: 5/24/2020
Equipment: Automatic Tank Gauging Incon TS 1000

Equipment Type: Overfill Prev Device
Last Passing Date: 10/23/2018
Test Expire Date: 10/23/2021
Equipment: Overfill Drop Tube Valve OPW 61SO

Equipment Type: Leak Detect - Piping
Last Passing Date: N/A
Test Expire Date: N/A
Equipment: European with No Test Req Suction

Equipment Type: Spill Contain Device
Last Passing Date: 10/23/2018
Test Expire Date: 10/23/2021
Equipment: Single Wall Spill Bucket EBW 705

Owner Summary

Owner No:	U0002106	Owner Status:	Current Owner
Owner Name:	Village of Buffalo Grove,	Purchase Date:	6/1/1988

IEMA Numbers

Permit No:
IEMA No: 93-2929
IEMA Link: <http://epadata.epa.state.il.us/land/ust/LIT-Display.asp?INCIDENT=932929>
Inspection Date: 6/9/1994
Inspection Type: Removal Log

LUST Fund Eligibility

IEMA No:	93-2929	OSFM Response Dt:	9/21/1994
Status:	Eligible	Deductible:	\$10,000
OSFM Received Date:	8/31/1994	Letter:	
IEMA Link:	http://epadata.epa.state.il.us/land/ust/LIT-Display.asp?INCIDENT=932929		

3	4 of 8	WNW	0.22 / 1,162.67	675.71 / -8	VILLAGE OF BUFFALO GROVE PWD 51 RAUPP BOULEVARD BUFFALO GROVE IL 60089	FINDS/FRS
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Registry ID: 110054106908
FIPS Code: IL031
HUC Code: 07120004
Site Type Name: STATIONARY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description:						
Supplemental Location:						
Create Date:		30-OCT-2012 10:20:59				
Update Date:		05-MAR-2013 09:55:51				
Interest Types:		ICIS-NPDES NON-MAJOR				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		10				
Census Block Code:		170318030102001				
EPA Region Code:		05				
County Name:		COOK				
US/Mexico Border Ind:						
Latitude:		42.15301				
Longitude:		-87.96773				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		150				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054106908				
Program Acronyms:						

3	5 of 8	WNW	0.22 / 1,162.67	675.71 / -8	BUFFALO GROVE, VILLAGE OF 51 RAUPP BLVD BUFFALO GROVE IL 60089	FINDS/FRS
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Registry ID:	110005907634
FIPS Code:	17097
HUC Code:	07120004
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-2000 00:00:00
Update Date:	08-JUL-2013 14:30:54
Interest Types:	ICIS-NPDES NON-MAJOR, PHASE II MS4, SQG, STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tribal Land Name:
Congressional Dist No: 10
Census Block Code: 170318030102001
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude: 42.15301
Longitude: -87.96773
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110005907634
Program Acronyms:

3	6 of 8	WNW	0.22 / 1,162.67	675.71 / -8	BUFFALO GROVE, VILLAGE OF 51 RAUPP BLVD. BUFFALO GROVE IL	SPILLS
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Incident No: 932929
Date/Time Occurred:
Area Involved: FIXED FACILITY
Media Release:
Milepost:
County: LAKE
Facility Manager:
Fac Manager Phone:
Responsible Party Street: 500 WEST MADISON, CHICAGO, IL 60661- 2511

Section:
Township:
Range:
Latitude:
Longitude:

Hazardous Materials Incident Report

Hazmat Incident Type: LEAK
LUST?:
Data Input Status: CLOSED
Incident Report Date: 11/9/1993 11:18:00 AM
Street Address: 51 RAUPP BLVD.
City: BUFFALO GROVE
County: LAKE
URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=932929>
Narrative:

Date Entered:
Entered by:
Caller: SHARON LOMASTRO
Caller Represents: A.I.G. CONSULTANTS

Follow Up Information:

Materials Involved

Name: GASOLINE
Type: UNKNOWN
Cause of Release: SUSPECT OVERFILL
Est Spill Extent:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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CHRIS CODE:					Spill Extent Units:	
CAS No:					Date/Time Inc Occur:	
UN/NA No:					Unknown Occurr:	
Container Type:	UNDERGROUND TANK				Date/Time Discov:	10/20/93 AM
Container Size:	UNDERGROUND TANK				Unknown Discovered:	
Amount Released:	UNKNOWN				Where Taken:	
Rate of Release Min:					On Scene Contact:	
Duration of Release:					No of People Evacuat:	
A 302(a) Extremely Haz Sub?:						
A RCRA Hazardous Waste?:						
A RCRA Regulated Facility?:						
Public Health Risks:						
State Agency Assistance:						
Containment/Cleanup Plans:						

<u>3</u>	7 of 8	WNW	0.22 / 1,162.67	675.71 / -8	CITY OF BUFFALO GROVE 51 RUPP BLVD. BUFFALO GROVE IL	SPILLS
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Incident No:	950112	Section:	
Date/Time Occurred:	01/17/95 0915	Township:	
Area Involved:	FIXED FACILITY	Range:	
Media Release:		Latitude:	
Milepost:		Longitude:	
County:	LAKE		
Facility Manager:			
Fac Manager Phone:			
Responsible Party Street:			

Hazardous Materials Incident Report

Hazmat Incident Type:	SPILL	Date Entered:	
LUST?:		Entered by:	
Data Input Status:	CLOSED	Caller:	EDDY
Incident Report Date:	1/17/1995 9:45:00 AM	Caller Represents:	BUFFALO GROVE FIRE DEPT.
Street Address:	51 RUPP BLVD.		
City:	BUFFALO GROVE		
County:	LAKE		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=950112		
Narrative:			

01/17/95 1502 CJM RAY RIGSBY/BUFFALO GROVE, VILLAGE OF, CALLED WITH UPDATE:ADVISED RP IS AVALON PETROLEUM INC. BILL KATZENBERGER 708/720-3060, 7601 W. 191ST ST., TINLEY PARK, IL 60477 AMT. RELEASED WAS LISTED AS 10 GALS.

Follow Up Information:

Materials Involved

Name:	DIESEL FUEL	Cause of Release:	UNKNOWN
Type:	UNKNOWN	Est Spill Extent:	
CHRIS CODE:		Spill Extent Units:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CAS No:					Date/Time Inc Occur: 01/17/95 0915	
UN/NA No:					Unknown Occurr:	
Container Type:	TRUCK				Date/Time Discov: 01/17/95 0915	
Container Size:	TRUCK				Unknown Discovered:	
Amount Released:	SUSPECT 100 GALS				Where Taken: -0-	
Rate of Release Min:					On Scene Contact:	
Duration of Release:					No of People Evacuat: -0-	
A 302(a) Extremely Haz Sub?:						
A RCRA Hazardous Waste?:						
A RCRA Regulated Facility?:						
Public Health Risks:	NONE					
State Agency Assistance:						
Containment/Cleanup Plans:						

3 8 of 8 WNW 0.22 / 1,162.67 675.71 / -8 Buffalo Grove, Village Of 51 Raupp Blvd Buffalo Grove IL 60089 LUST DOCUMENT

Site ID:	170000290664	Interest Type:	LUST
Program ID:	0314185021	Media Code:	LAND
Category:	Leaking UST Technical	Latitude Measure:	42.1527
Originating Bureau:	Bureau of Land	Longitude Measure:	-87.96737
Name (Doc Search):	Buffalo Grove Village of - 170000290664	Name (Geo Search):	Buffalo Grove, Village Of
Addr (Doc Search):	51 Raupp Blvd	Addr (Geo Search):	51 Raupp Blvd
City (Doc Search):	Buffalo Grove	City (Geo Search):	Buffalo Grove
State (Doc Search):	IL	State (Geo Search):	IL
Zip (Doc Search):	60089	Postal (Geo Search):	60089
Document Count:	40	Collection Date:	01/01/2001
Total Pages:	630		
Category Url:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09IjE3MDAwMDI5MDY2NCIlgQU5EIFtDQVRFR09SWV09IjIxQSI1		
Data Source:	IEPA Document Explorer - Geographic Search; IEPA Document Explorer - Facility/ Site Search		

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		LAKE COOK RD NEAR MILWAUKEE AVE	BUFFALO GROVE IL		807176120
ERNS		MILWAUKEE AVE NORTH OF LAKE COOK RD	BUFFALO GROVE IL		806764021
FINDS/FRS	COOK COUNTY HWY DEPT	LAKE COOK RD & WI CENTRAL RR	WHEELING IL	60090	817560967
FINDS/FRS	COOK COUNTY BRIDGE	LAKE COOK RD	WHEELING IL	60090	817560271
FINDS/FRS	ROSEGLLEN SUBDIVISION	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510240
FINDS/FRS	FREUND INTERNATIONAL	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	817477513
PRP	PROFILE PRODUCTS LLC	750 LAKE COOK ROAD SUITE 440	BUFFALO GROVE IL	60089	860591156
RCRA NON GEN	COOK COUNTY BRIDGE	LAKE COOK RD OVR WI CENTRAL RR	WHEELING IL	60090	810113792
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		825138687
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		822438504
UST	True North Energy LLC	185 Milwaukee Avenue Buffalo Grove, IL 60089	IL		876206648
UST	Construction Site	20194 Buffalo Grove Road Buffalo	IL		813460754

Grove, IL 60089

UST

Powernail Company, Inc. 301 East Half Day Road Buffalo IL
Grove, IL 60089

813446714

Unplottable Report

Site:

LAKE COOK RD NEAR MILWAUKEE AVE BUFFALO GROVE IL

ERNS

NRC Report No:	231358	Latitude Degrees:	
Type of Incident:	FIXED	Latitude Minutes:	
Incident Cause:	UNKNOWN	Latitude Seconds:	
Incident Date:	3/23/1994 11:30:00 AM	Longitude Degrees:	
Incident Location:		Longitude Minutes:	
Incident Dtg:	DISCOVERED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Potential Flag:		Location Section:	
Year:	Year 1994 Reports	Location Township:	
Direction from City:		Location Range:	
Location County:	COOK		
Description of Incident:	CALLER STATES THAT THERE IS CONSTRUCTION NEAR RIVER AND ALL BYPRODUCTS OF CONST ARE ENTERING RIVER (DIRT, SEDIMENT, WATER)		

Material Spill Information

Chris Code:	UNK	Unit of Measure:	UNKNOWN AMOUNT
CAS No:		If Reached Water:	YES
UN No:		Amount in Water:	0
Name of Material:	UNKNOWN MATERIAL	Unit Reach Water:	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	3/23/1994 12:33:17 PM	Responsible City:	WHEELING
Date Time Complete:	3/23/1994 12:37:20 PM	Responsible State:	IL
Call Type:	INC	Responsible Zip:	
Resp Company:	UNKNOWN CONSTRUCTION CO	Source:	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	N
NPDES:		Airbag Deployed:	
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	N
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:	UNKNOWN	Structure Oper:	Y
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	

Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj: UNKNOWN
Type of Fuel:
DOT Crossing No:
DOT Regulated: U
Pipeline Type: UNKNOWN
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: U
Railroad Hotline: No
Railroad Milepost: UNKNOWN
Grade Crossing: N
Crossing Device Ty:
Ty Vehicle Involved: UNKNOWN
Device Operational: Y

CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling:
Passenger Route: XXX
Passenger Delay: XXX
Sub Part C Test Req: XXX
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured:
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: NONE
Fire Involved: N
Fire Extinguished:
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: U
No. Injured:
No. Hospitalized:
No. Fatalities:
Any Fatalities: U
Any Damages: N
Damage Amount:
Air Corridor Closed:
Air Corridor Desc:
Air Closure Time:
Waterway Closed:
Waterway Desc:
Waterway Close Time:
Road Closed:
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery:
Track Closed:
Track Desc:
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest:
Medium Desc: WATER
Addl Medium Info: DES PLAINES RIVER

State Agen Report No:
State Agen on Scene:
State Agen Notified:
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore:
Weather Conditions:
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam:
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact: UNK
Passengers Transfer:
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

Site:
MILWAUKEE AVE NORTH OF LAKE COOK RD BUFFALO GROVE IL

ERNS

NRC Report No: 245081
Type of Incident: MOBILE
Incident Cause: UNKNOWN

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:

Incident Date:	6/20/1994 1:00:00 PM	Longitude Degrees:	
Incident Location:		Longitude Minutes:	
Incident Dtg:	OCCURRED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Potential Flag:		Location Section:	
Year:	Year 1994 Reports	Location Township:	
Direction from City:		Location Range:	
Location County:	LAKE		
Description of Incident:	FUEL TANK ON TRUCK / THE RELEASE OCCURRED AS THE RESULT OF A MULTIVEHICLE ACCIDENT		

Material Spill Information

Chris Code:	ODS	Unit of Measure:	GALLON(S)
CAS No:		If Reached Water:	YES
UN No:		Amount in Water:	100
Name of Material:	OIL: DIESEL	Unit Reach Water:	GALLON(S)
Amount of Material:	100		

Calls Information

Date Time Received:	6/20/1994 3:21:39 PM	Responsible City:	
Date Time Complete:	6/20/1994 3:30:00 PM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	N
NPDES:		Airbag Deployed:	
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	N
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:	UNKNOWN	Structure Oper:	Y
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:	UNKNOWN	Passenger Handling:	
Type of Fuel:		Passenger Route:	XXX
DOT Crossing No:		Passenger Delay:	XXX
DOT Regulated:	U	Sub Part C Test Req:	XXX
Pipeline Type:	UNKNOWN	Conductor Test:	
Pipeline Abv Ground:	ABOVE	Engineer Test:	
Pipeline Covered:	U	Trainman Test:	
Exposed Underwater:	U	Yard Foreman Test:	
Railroad Hotline:	No	RCL Operator Test:	
Railroad Milepost:	UNKNOWN	Brakeman Test:	
Grade Crossing:	N	Train Dispat Test:	
Crossing Device Ty:		Signalman Test:	

Ty Vehicle Involved: UNKNOWN
Device Operational: Y

Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate: N
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: CREWS ON SCENE
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu: U
Any Injuries: U
No. Injured:
No. Hospitalized:
No. Fatalities:
Any Fatalities: U
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: N
Track Desc:
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest:
Medium Desc: WATER
Addl Medium Info: DESPLAINES RIVER

State Agen Report No:
State Agen on Scene:
State Agen Notified:
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions:
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact: N
Passengers Transfer: UNK
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info: MILWAUKEE AVE HAS BEEN CLOSED INDEFINITELY

Site: COOK COUNTY HWY DEPT
LAKE COOK RD & WI CENTRAL RR WHEELING IL 60090

FINDS/FRS

Registry ID: 110024856798
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-JUN-2006 11:23:27
Update Date: 16-MAY-2008 11:07:34
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:

EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110024856798
Program Acronyms:

ACES:170000406692

Site: **COOK COUNTY BRIDGE**
LAKE COOK RD WHEELING IL 60090

[FINDS/FRS](#)

Registry ID: 110012271932
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location: OVR WI CENTRAL RR
Create Date: 01-MAR-2000 00:00:00
Update Date: 26-JAN-2012 16:24:23
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER, UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110012271932
Program Acronyms:

BR:ILR000112136, RCRAINFO:ILR000112136

Site: **ROSEGLEN SUBDIVISION**
BUFFALO GROVE RD BUFFALO GROVE IL 60089

[FINDS/FRS](#)

Registry ID: 110061094890
FIPS Code: 17097
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 16-OCT-2014 09:19:31
Update Date:
Interest Types: STATE MASTER

SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110061094890
Program Acronyms:

Site: **FREUND INTERNATIONAL**
BUFFALO GROVE RD BUFFALO GROVE IL 60089

[FINDS/FRS](#)

Registry ID: 110018471679
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 19-OCT-2004 19:54:53
Update Date: 29-DEC-2014 13:25:17
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018471679
Program Acronyms:

Site: **PROFILE PRODUCTS LLC**
750 LAKE COOK ROAD SUITE 440 BUFFALO GROVE IL 60089

[PRP](#)

Site EPA ID: GAD981258270
Site Name: CONSTITUTION ROAD DRUM SITE

Site NPL Status: Not on the NPL
Site Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Noticed Party Action Information

Action Type Seq: AC-1
Action Name: ADM ORDR
Action Date: SETTLEMENT DATE 09/26/2006

Site: **COOK COUNTY BRIDGE**
LAKE COOK RD OVR WI CENTRAL RR WHEELING IL 60090

RCRA NON GEN

EPA Handler ID: ILR000112136
Gen Status Universe: No Report
Contact Name: ENV COORDINATOR
Contact Address: US
Contact Phone No and Ext: 312-603-1740
Contact Email:
Contact Country: US
County Name: COOK
EPA Region: 05
Land Type: County
Receive Date: 20060401

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20020501
Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060401

Handler Name: COOK COUNTY BRIDGE
Generator Status Universe: No Report
Source Type: Annual/Biennial Report update with Notification

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: County
Name: COOK COUNTY HIGHWAY DEPT
Date Became Current:
Date Ended Current:
Phone: 312-603-1740
Source Type: Notification

Street No:
Street 1: 69 W WASHINGTON
Street 2:
City: CHICAGO
State: IL
Country:
Zip Code: 60602

Owner/Operator Ind: Current Operator
Type: County
Name: COOK COUNTY BRIDGE
Date Became Current: 19000101
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification

Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: County
Name: COOK COUNTY BRIDGE
Date Became Current: 19000101
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification

Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Historical Handler Details

Receive Dt: 20020501
Generator Code Description: Large Quantity Generator
Handler Name: COOK COUNTY BRIDGE

Site: **MOBILE OIL**
NEAR BUFFALO GROVE BUFFALO GROVE IL

SPILLS2

Incident ID: NL850868
Received Date: 8/7/1985
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Site: **MOBILE OIL**
NEAR BUFFALO GROVE BUFFALO GROVE IL

SPILLS2

Incident ID: NL850868
Received Date: 7/12/1985
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Site: **True North Energy LLC**
185 Milwaukee Avenue Buffalo Grove, IL 60089 IL

UST

Facility No: 2046886
Facility Status: Not Installed
Facility Type: Self-Service Station
Motor Fuel Type:
Green Tag Decal:
Green Tag Issue Dt:
Purchase Date:
Type Financial Resp:
Property Parcel:

Green Tag Exp Dt:
Mtr Fuel Perm Insp Dt:
Mtr Fuel Perm Exp Dt:
Fin Resp Rpt Due:
County: Lake

Owner Type: Private
Owner Status: Current Owner
Owner Name: True North Energy, LLC
Owner Address: 10346 Brecksville Road
Brecksville, OH 44141
Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2046886&PrintDetail=true>
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2046886>

Tank Information

Tank No:	2	Current Age:	
Status:	Not Installed	Product:	Gasoline - Premium
Removed Date:		Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	6000	OSFM First Noti Dt:	
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	3	Current Age:	
Status:	Not Installed	Product:	Diesel Fuel
Removed Date:		Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	9000	OSFM First Noti Dt:	
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	1	Current Age:	
Status:	Not Installed	Product:	Gasoline - Regular
Removed Date:		Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	15000	OSFM First Noti Dt:	
Regulated Status:	Federal	CAS Code:	

Owner Summary

Owner No:	U0035735	Owner Status:	Current Owner
Owner Name:	True North Energy, LLC	Purchase Date:	

Site: **Construction Site**
20194 Buffalo Grove Road Buffalo Grove, IL 60089 IL

UST

Facility No:	2042552	Green Tag Exp Dt:	
Facility Status:	Exempt	Mtr Fuel Perm Insp Dt:	
Facility Type:	None	Mtr Fuel Perm Exp Dt:	
Motor Fuel Type:		Fin Resp Rpt Due:	
Green Tag Decal:		County:	Lake
Green Tag Issue Dt:			
Purchase Date:			
Type Financial Resp:			
Property Parcel:			
Owner Type:			
Owner Status:	Current Owner		
Owner Name:	Buffalo Grove Bank & Trust		
Owner Address:			
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2042552&PrintDetail=true		

Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2042552>

Tank Information

Tank No:	1	Current Age:	
Status:	Removed	Product:	Heating Oil
Removed Date:	12/6/2004	Product Date:	
Red Tag Issue Date:		Petroleum Use:	Consumptive Use on Premises
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:	12/31/1973	Fee Due:	
Capacity:	550	OSFM First Noti Dt:	12/21/2004
Regulated Status:	Exempt	CAS Code:	

Owner Summary

Owner No:	U0032398	Owner Status:	Current Owner
Owner Name:	Buffalo Grove Bank & Trust	Purchase Date:	

Site: **Powernail Company, Inc.**
301 East Half Day Road Buffalo Grove, IL 60089 IL

UST

Facility No:	2006509	Green Tag Exp Dt:	
Facility Status:	Closed	Mtr Fuel Perm Insp Dt:	
Facility Type:	Industrial / Manufacturing	Mtr Fuel Perm Exp Dt:	
Motor Fuel Type:		Fin Resp Rpt Due:	
Green Tag Decal:		County:	Lake
Green Tag Issue Dt:			
Purchase Date:	1/1/1954		
Type Financial Resp:	Other (add note)		
Property Parcel:			
Owner Type:	Private		
Owner Status:	Current Owner		
Owner Name:	Powernail Company, Inc		
Owner Address:	P. O. Box 300 Lincolnshire, IL 60069		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2006509&PrintDetail=true		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2006509		

Tank Information

Tank No:	1	Current Age:	14
Status:	Removed	Product:	Diesel Fuel
Removed Date:	1/18/1996	Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	1500	OSFM First Noti Dt:	3/27/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	2	Current Age:	14
Status:	Removed	Product:	Gasoline
Removed Date:	1/18/1996	Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	1500	OSFM First Noti Dt:	3/27/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No: 4
Status: Removed
Removed Date: 10/8/2003
Red Tag Issue Date:
Abandoned Date:
Install Date: 1/1/1959
Last Used Date:
Capacity: 10000
Regulated Status: State

Current Age: 44
Product: Heating Oil
Product Date:
Petroleum Use: Consumptive Use on Premises
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt: 6/23/1992
CAS Code:

Tank Information

Tank No: 3
Status: Removed
Removed Date: 1/18/1996
Red Tag Issue Date:
Abandoned Date:
Install Date:
Last Used Date:
Capacity: 2000
Regulated Status: Federal

Current Age: 14
Product: Gasoline
Product Date:
Petroleum Use:
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt: 3/27/1986
CAS Code:

Owner Summary

Owner No: U0012090
Owner Name: Powernail Company, Inc

Owner Status: Current Owner
Purchase Date: 1/1/1954

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Nov 25, 2019

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Nov 25, 2019

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Nov 25, 2019

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Nov 25, 2019

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Nov 25, 2019

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands:

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System -

[CERCLIS](#)

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned:

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

[RCRA CORRACTS](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 18, 2019

RCRA non-CORRACTS TSD Facilities:

[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 18, 2019

RCRA Generator List:

[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 18, 2019

RCRA Small Quantity Generators List:

[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 18, 2019

RCRA Conditionally Exempt and Very Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 18, 2019

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 18, 2019

Federal Engineering Controls-ECs:

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jun 11, 2019

Federal Institutional Controls- ICs:

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jun 11, 2019

Emergency Response Notification System:

[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Mar 21, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries:

REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 18, 2019

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Nov 25, 2019

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Oct 25, 2019

State

State Response Action Program Database:

SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Aug 20, 2019

Delisted State Response Action Program:

DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Aug 20, 2019

Solid Waste Landfills Subject to State Surcharge Database:

SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Mar 2, 2018

Special Waste Site List:

SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in

NIPC

Northeastern Illinois:

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Clean Construction or Demolition Debris:

CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Apr 30, 2018

Leaking Underground Storage Tanks (LUST):

LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

Government Publication Date: Dec 2, 2019

Leaking UST Document:

LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Delisted Leaking Underground Storage Tank Sites:

DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Oct 30, 2019

Underground Storage Tank Fund Payment Priority List:

LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST):

UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

Government Publication Date: Jul 17, 2019

Aboveground Storage Tanks (AST):

AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Sep 30, 2019

Delisted Storage Tanks:

DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

Government Publication Date: Dec 11, 2019

Sites with Engineering Controls:

ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

Government Publication Date: Dec 2, 2019

Institutional Controls:

INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

Government Publication Date: Dec 2, 2019

Illinois Site Remediation Program Database:

SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Dec 2, 2019

Brownfields Redevelopment Assessment Database:

[BROWNFIELDS](#)

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Sep 12, 2019

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through

[BROWN MBRGP](#)

OBA:

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands:

[INDIAN LUST](#)

List of Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota and Wisconsin. There no LUST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

Underground Storage Tanks (USTs) on Tribal/Indian Lands in EPA Region 5. There are no UST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: May 2, 2019

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: May 2, 2019

County

Chicago Storage Tanks:

[TANKS CHICAGO](#)

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Dec 11, 2019

Chicago Environmental Permits:

[PERMITS CHICAGO](#)

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Sep 12, 2019

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites:

PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 15, 2019

Facility Registry Service/Facility Index:

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Nov 6, 2019

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Perfluorinated Alkyl Substances (PFAS) Releases:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Sep 26, 2019

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 25, 2019

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

[MINES](#)

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 3, 2019

Alternative Fueling Stations:

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 1, 2019

Registered Pesticide Establishments:

[SSTS](#)

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: May 31, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

[PCB](#)

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Spills and Incidents:

[SPILLS](#)

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Dec 11, 2019

Emergency Response Releases & Spills Database:

[SPILLS2](#)

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database. The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Dec 11, 2019

Per- and Polyfluoroalkyl Substances (PFAS):

[PFAS](#)

A list of reports taken by the Illinois Emergency Management Agency (IEMA) of incidents involving hazardous materials, where the hazardous material involved in the incident is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Sep 12, 2019

Dry Cleaning Facilities:

[DRYCLEANERS](#)

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Nov 12, 2019

Delisted Drycleaners:

[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Nov 12, 2019

Clandestine Drug Labs:

[CDL](#)

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Aug 21, 2019

Tier 2 Report:

TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Sep 16, 2019

Air Permits:

AIR PERMITS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



DATABASE REPORT

Project Property: *Bernard Drive - Forest/ Glendale South
165 St Marys Pkwy
Buffalo Grove IL 60089*

Project No: *T20-039*

Report Type: *Screen Report Plus*

Order No: *20200113309*

Requested by: *Bluff City Materials, Inc*

Date Completed: *January 13, 2020*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Bernard Drive - Forest/ Glendale South
165 St Marys Pkwy Buffalo Grove IL 60089*

Project No: *T20-039*

Coordinates:

Latitude: *42.1471316*
Longitude: *-87.9615703*
UTM Northing: *4,666,559.69*
UTM Easting: *420,548.37*
UTM Zone: *16T*

Elevation: *687 FT*

Order Information:

Order No: *20200113309*
Date Requested: *January 13, 2020*
Requested by: *Bluff City Materials, Inc*
Report Type: *Screen Report Plus*

Historicals/Products:

ERIS Xplorer [ERIS Xplorer](#)
Excel Add-On *Excel Add-On*

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
<u>Standard Environmental Records</u>				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
ODI	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA CESQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
SUPERFUND ROD	Y	0	0	0
State				
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
LUST DOCUMENT	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	0	0
AST	Y	0	0	0
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
SRP	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0
County				
TANKS CHICAGO	Y	0	0	0
PERMITS CHICAGO	Y	0	0	0
<u>Additional Environmental Records</u>				
Federal				
PFAS NPL	Y	0	0	0
FINDS/FRS	Y	0	1	1
TRIS	Y	0	0	0
PFAS TRI	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
ALT FUELS	Y	0	0	0
SSTS	Y	0	0	0
PCB	Y	0	0	0

State

SPILLS	Y	0	1	1
SPILLS2	Y	0	0	0
PFAS	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
CDL	Y	0	0	0
TIER 2	Y	0	0	0
AIR PERMITS	Y	0	0	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total: 0 2 2

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
1	FINDS/FRS	MORRIS, KAREN	169 GLENDALE RD BUFFALO GROVE IL 60089	NW	0.07 / 355.14	3	13
2	SPILLS	OWNER OF RESIDENCE/SUSPECT	91 FOREST PLACE BUFFALO GROVE IL <i>Incident No:</i> 971202	NNE	0.12 / 639.09	-1	13

Executive Summary: Summary by Data Source

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 6, 2019 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

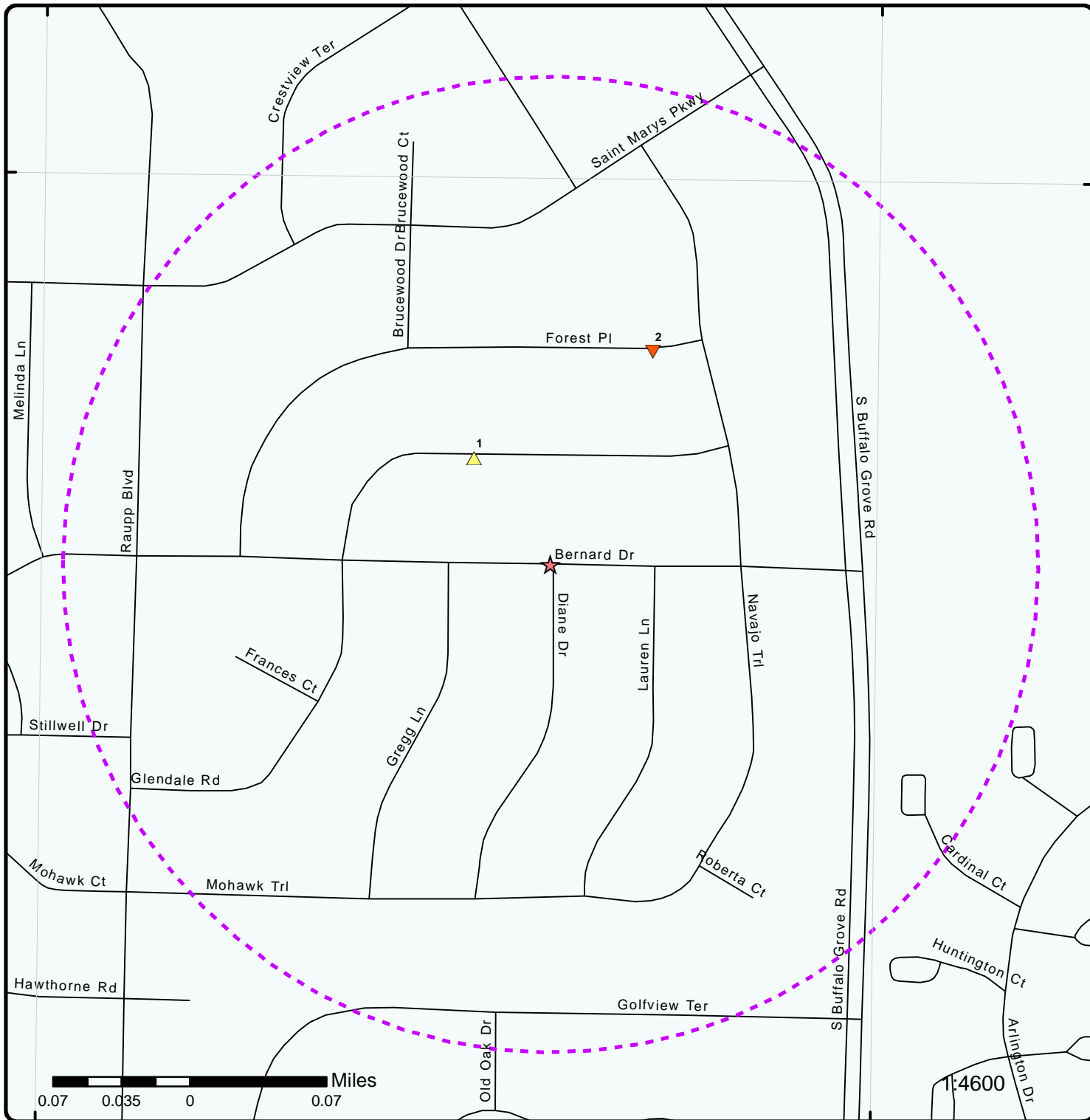
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MORRIS, KAREN	169 GLENDALE RD BUFFALO GROVE IL 60089	NW	0.07 / 355.14	<u>1</u>

State

SPILLS - Spills and Incidents

A search of the SPILLS database, dated Dec 11, 2019 has found that there are 1 SPILLS site(s) within approximately 0.12 miles of the project property.

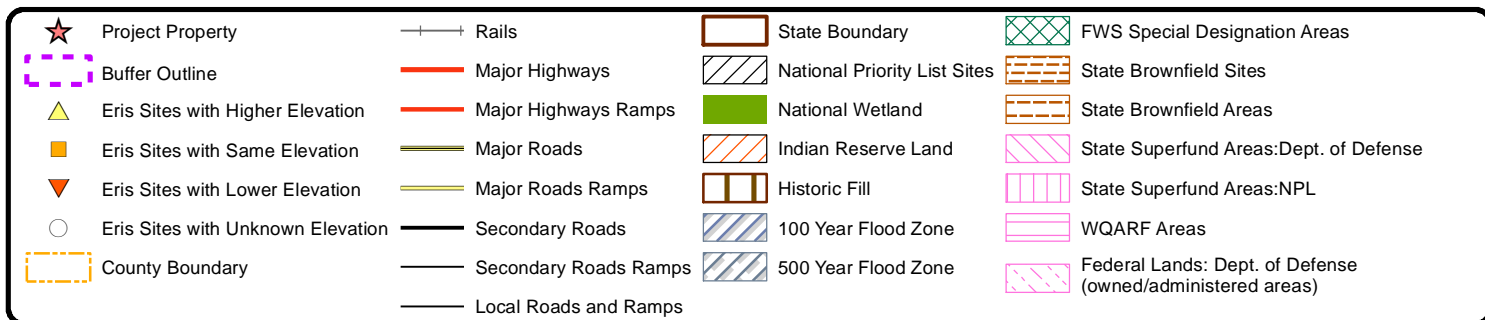
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
OWNER OF RESIDENCE/SUSPECT	91 FOREST PLACE BUFFALO GROVE IL	NNE	0.12 / 639.09	<u>2</u>
	<i>Incident No: 971202</i>			

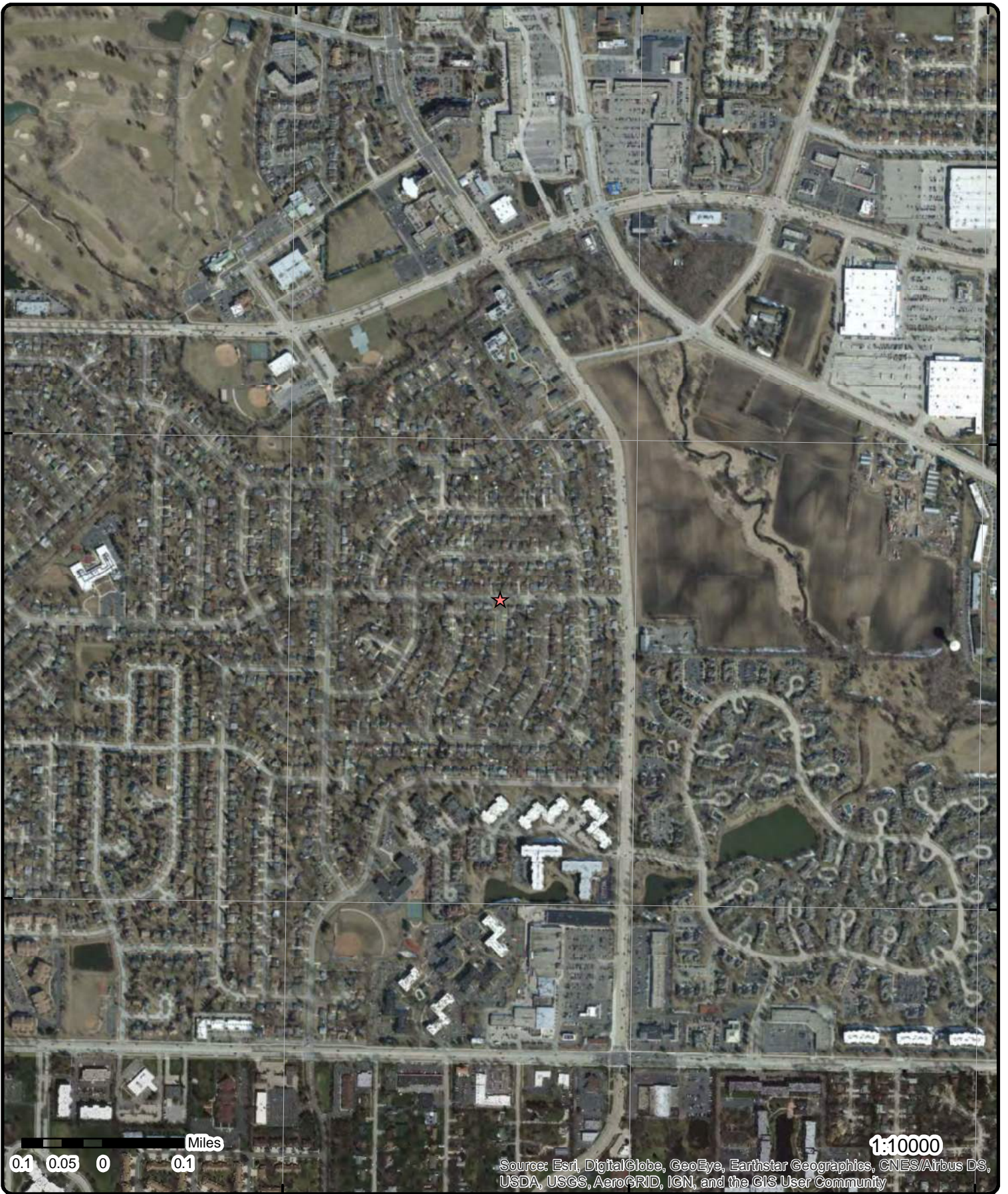


Map : 0.25 Mile Radius

Order Number: 20200113309

Address: 165 St Marys Pkwy, Buffalo Grove, IL





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2018

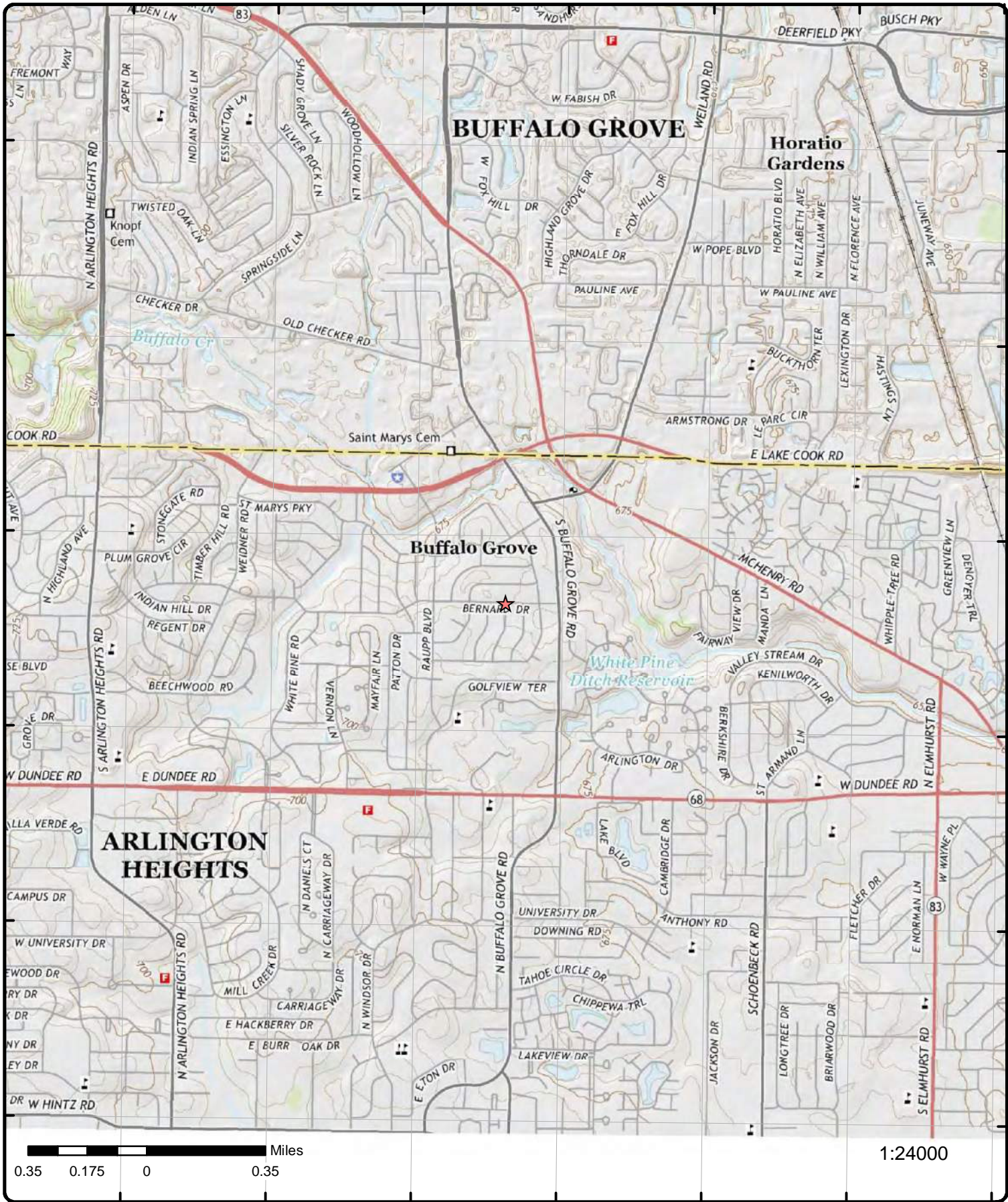
Address: 165 St Marys Pkwy, Buffalo Grove, IL

Source: ESRI World Imagery

Order Number: 20200113309



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Topographic Map Year: 2015

Address: 165 St Marys Pkwy, IL

Quadrangle(s): Wheeling, IL

Source: USGS Topographic Map

Order Number: 20200113309



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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	NW	0.07 / 355.14	689.18 / 3	MORRIS, KAREN 169 GLENDALE RD BUFFALO GROVE IL 60089	FINDS/FRS

Registry ID: 110018328843
FIPS Code: 17031
HUC Code: 07120004
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 19-OCT-2004 14:59:53
Update Date: 29-DEC-2014 09:09:40
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 10
Census Block Code: 170318030101009
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude: 42.14793
Longitude: -87.96237
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018328843
Program Acronyms:

2	1 of 1	NNE	0.12 / 639.09	685.30 / -1	OWNER OF RESIDENCE/SUSPECT 91 FOREST PLACE BUFFALO GROVE IL	SPILLS
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Incident No: 971202
Date/Time Occurred:
Section:
Township:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Area Involved: FIXED FACILITY/RESIDENCE
Media Release:
Milepost:
County: COOK
Facility Manager:
Fac Manager Phone:
Responsible Party Street:

Range:
Latitude:
Longitude:

Date Entered:
Entered by:
Caller: DAVE VILLMIN
Caller Represents: BUFFALO GROVE FD

Hazardous Materials Incident Report

Hazmat Incident Type: LEAK
LUST?:
Data Input Status: CLOSED
Incident Report Date: 7/6/1997 6:45:00 PM
Street Address: 91 FOREST PLACE
City: BUFFALO GROVE
County: COOK
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=971202
Narrative:

Follow Up Information:

Materials Involved

Name: FUEL OIL
Type: UNKNOWN
CHRIS CODE:
CAS No:
UN/NA No:
Container Type: UNDERGROUND TANK SUSPECTED
Container Size: UNDERGROUND TANK SUSPECTED
Amount Released: UNKNOWN
Rate of Release Min:
Duration of Release:
A 302(a) Extremely Haz Sub?:
A RCRA Hazardous Waste?:
A RCRA Regulated Facility?:
Public Health Risks: -0-
State Agency Assistance:
Containment/Cleanup Plans:

Cause of Release: UNKNOWN
Est Spill Extent:
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occurr:
Date/Time Discov: 07/06/97 1747
Unknown Discovered:
Where Taken: -0-
On Scene Contact:
No of People Evacuat: -0-

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
FINDS/FRS	FREUND INTERNATIONAL	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	817477513
FINDS/FRS	ROSEGLLEN SUBDIVISION	BUFFALO GROVE RD	BUFFALO GROVE IL	60089	825510240
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		822438504
SPILLS2	MOBILE OIL	NEAR BUFFALO GROVE	BUFFALO GROVE IL		825138687
UST	True North Energy LLC	185 Milwaukee Avenue Buffalo Grove, IL 60089	IL		876206648
UST	Powernail Company, Inc.	301 East Half Day Road Buffalo Grove, IL 60089	IL		813446714
UST	Construction Site	20194 Buffalo Grove Road Buffalo Grove, IL 60089	IL		813460754

Unplottable Report

Site: FREUND INTERNATIONAL
BUFFALO GROVE RD BUFFALO GROVE IL 60089

[FINDS/FRS](#)

Registry ID: 110018471679
FIPS Code: 17031
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 19-OCT-2004 19:54:53
Update Date: 29-DEC-2014 13:25:17
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: COOK
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018471679
Program Acronyms:

Site: ROSEGLLEN SUBDIVISION
BUFFALO GROVE RD BUFFALO GROVE IL 60089

[FINDS/FRS](#)

Registry ID: 110061094890
FIPS Code: 17097
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 16-OCT-2014 09:19:31
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:

Census Block Code:
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: http://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110061094890
Program Acronyms:

Site: **MOBILE OIL**
NEAR BUFFALO GROVE BUFFALO GROVE IL SPILLS2

Incident ID: NL850868
Received Date: 7/12/1985
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Site: **MOBILE OIL**
NEAR BUFFALO GROVE BUFFALO GROVE IL SPILLS2

Incident ID: NL850868
Received Date: 8/7/1985
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Site: **True North Energy LLC**
185 Milwaukee Avenue Buffalo Grove, IL 60089 IL UST

Facility No: 2046886
Facility Status: Not Installed
Facility Type: Self-Service Station
Motor Fuel Type:
Green Tag Decal:
Green Tag Issue Dt:
Purchase Date:
Type Financial Resp:
Property Parcel:
Owner Type: Private
Owner Status: Current Owner
Owner Name: True North Energy, LLC
Owner Address: 10346 Brecksville Road
Brecksville, OH 44141
Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2046886&PrintDetail=true>
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2046886>

Green Tag Exp Dt:
Mtr Fuel Perm Insp Dt:
Mtr Fuel Perm Exp Dt:
Fin Resp Rpt Due:
County: Lake

Tank Information

Tank No: 2
Status: Not Installed
Removed Date:
Red Tag Issue Date:
Abandoned Date:
Install Date:
Last Used Date:
Capacity: 6000
Regulated Status: Federal

Current Age:
Product: Gasoline - Premium
Product Date:
Petroleum Use:
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt:
CAS Code:

Tank Information

Tank No:	3	Current Age:	
Status:	Not Installed	Product:	Diesel Fuel
Removed Date:		Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	9000	OSFM First Noti Dt:	
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	1	Current Age:	
Status:	Not Installed	Product:	Gasoline - Regular
Removed Date:		Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	15000	OSFM First Noti Dt:	
Regulated Status:	Federal	CAS Code:	

Owner Summary

Owner No:	U0035735	Owner Status:	Current Owner
Owner Name:	True North Energy, LLC	Purchase Date:	

Site: **Powernail Company, Inc.**
301 East Half Day Road Buffalo Grove, IL 60089 IL

UST

Facility No:	2006509	Green Tag Exp Dt:	
Facility Status:	Closed	Mtr Fuel Perm Insp Dt:	
Facility Type:	Industrial / Manufacturing	Mtr Fuel Perm Exp Dt:	
Motor Fuel Type:		Fin Resp Rpt Due:	
Green Tag Decal:		County:	Lake
Green Tag Issue Dt:			
Purchase Date:	1/1/1954		
Type Financial Resp:	Other (add note)		
Property Parcel:			
Owner Type:	Private		
Owner Status:	Current Owner		
Owner Name:	Powernail Company, Inc		
Owner Address:	P. O. Box 300 Lincolnshire, IL 60069		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2006509&PrintDetail=true		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2006509		

Tank Information

Tank No:	1	Current Age:	14
Status:	Removed	Product:	Diesel Fuel
Removed Date:	1/18/1996	Product Date:	
Red Tag Issue Date:		Petroleum Use:	
Abandoned Date:		CERCLA Substance:	
Install Date:		Abandoned Material:	
Last Used Date:		Fee Due:	\$0.00
Capacity:	1500	OSFM First Noti Dt:	3/27/1986
Regulated Status:	Federal	CAS Code:	

Tank Information

Tank No:	2	Current Age:	14
Status:	Removed	Product:	Gasoline
Removed Date:	1/18/1996	Product Date:	

Red Tag Issue Date:
Abandoned Date:
Install Date:
Last Used Date:
Capacity: 1500
Regulated Status: Federal

Petroleum Use:
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt: 3/27/1986
CAS Code:

Tank Information

Tank No: 4
Status: Removed
Removed Date: 10/8/2003
Red Tag Issue Date:
Abandoned Date:
Install Date: 1/1/1959
Last Used Date:
Capacity: 10000
Regulated Status: State

Current Age: 44
Product: Heating Oil
Product Date:
Petroleum Use: Consumptive Use on Premises
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt: 6/23/1992
CAS Code:

Tank Information

Tank No: 3
Status: Removed
Removed Date: 1/18/1996
Red Tag Issue Date:
Abandoned Date:
Install Date:
Last Used Date:
Capacity: 2000
Regulated Status: Federal

Current Age: 14
Product: Gasoline
Product Date:
Petroleum Use:
CERCLA Substance:
Abandoned Material:
Fee Due: \$0.00
OSFM First Noti Dt: 3/27/1986
CAS Code:

Owner Summary

Owner No: U0012090
Owner Name: Powernail Company, Inc

Owner Status: Current Owner
Purchase Date: 1/1/1954

Site: **Construction Site**
20194 Buffalo Grove Road Buffalo Grove, IL 60089 IL

UST

Facility No: 2042552
Facility Status: Exempt
Facility Type: None
Motor Fuel Type:
Green Tag Decal:
Green Tag Issue Dt:
Purchase Date:
Type Financial Resp:
Property Parcel:
Owner Type:
Owner Status: Current Owner
Owner Name: Buffalo Grove Bank & Trust
Owner Address:
Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2042552&PrintDetail=true>
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2042552>

Green Tag Exp Dt:
Mtr Fuel Perm Insp Dt:
Mtr Fuel Perm Exp Dt:
Fin Resp Rpt Due:
County: Lake

Tank Information

Tank No: 1
Status: Removed
Removed Date: 12/6/2004
Red Tag Issue Date:
Abandoned Date:
Install Date:
Last Used Date: 12/31/1973
Capacity: 550
Regulated Status: Exempt

Current Age:
Product: Heating Oil
Product Date:
Petroleum Use: Consumptive Use on Premises
CERCLA Substance:
Abandoned Material:
Fee Due:
OSFM First Noti Dt: 12/21/2004
CAS Code:

Owner Summary

Owner No: U0032398
Owner Name: Buffalo Grove Bank & Trust

Owner Status: Current Owner
Purchase Date:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Nov 25, 2019

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Nov 25, 2019

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Nov 25, 2019

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Nov 25, 2019

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Nov 25, 2019

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS:

CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 18, 2019

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 18, 2019

RCRA Generator List:

RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 18, 2019

RCRA Small Quantity Generators List:

RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 18, 2019

RCRA Conditionally Exempt and Very Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 18, 2019

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 18, 2019

Federal Engineering Controls-ECs:

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jun 11, 2019

Federal Institutional Controls- ICs:

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jun 11, 2019

Emergency Response Notification System:

[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Mar 21, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries:

REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 18, 2019

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Nov 25, 2019

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Oct 25, 2019

State

State Response Action Program Database:

SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Aug 20, 2019

Delisted State Response Action Program:

DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Aug 20, 2019

Solid Waste Landfills Subject to State Surcharge Database:

SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Mar 2, 2018

Special Waste Site List:

SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in

NIPC

Northeastern Illinois:

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Clean Construction or Demolition Debris:

CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Apr 30, 2018

Leaking Underground Storage Tanks (LUST):

LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

Government Publication Date: Dec 2, 2019

Leaking UST Document:

LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Delisted Leaking Underground Storage Tank Sites:

DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Oct 30, 2019

Underground Storage Tank Fund Payment Priority List:

LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST):

UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

Government Publication Date: Jul 17, 2019

Aboveground Storage Tanks (AST):

AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Sep 30, 2019

Delisted Storage Tanks:

DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

Government Publication Date: Dec 11, 2019

Sites with Engineering Controls:

ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

Government Publication Date: Dec 2, 2019

Institutional Controls:

INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

Government Publication Date: Dec 2, 2019

Illinois Site Remediation Program Database:

SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Dec 2, 2019

Brownfields Redevelopment Assessment Database:

[BROWNFIELDS](#)

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Sep 12, 2019

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through

[BROWN MBRGP](#)

OBA:

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands:

[INDIAN LUST](#)

List of Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota and Wisconsin. There no LUST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

Underground Storage Tanks (USTs) on Tribal/Indian Lands in EPA Region 5. There are no UST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: May 2, 2019

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: May 2, 2019

County

Chicago Storage Tanks:

[TANKS CHICAGO](#)

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Dec 11, 2019

Chicago Environmental Permits:

[PERMITS CHICAGO](#)

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Sep 12, 2019

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites:

PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 15, 2019

Facility Registry Service/Facility Index:

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Nov 6, 2019

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Perfluorinated Alkyl Substances (PFAS) Releases:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Sep 26, 2019

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 25, 2019

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

[MINES](#)

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 3, 2019

Alternative Fueling Stations:

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 1, 2019

Registered Pesticide Establishments:

[SSTS](#)

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: May 31, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

[PCB](#)

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Spills and Incidents:

[SPILLS](#)

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Dec 11, 2019

Emergency Response Releases & Spills Database:

[SPILLS2](#)

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database. The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Dec 11, 2019

Per- and Polyfluoroalkyl Substances (PFAS):

[PFAS](#)

A list of reports taken by the Illinois Emergency Management Agency (IEMA) of incidents involving hazardous materials, where the hazardous material involved in the incident is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Sep 12, 2019

Dry Cleaning Facilities:

[DRYCLEANERS](#)

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Nov 12, 2019

Delisted Drycleaners:

[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Nov 12, 2019

Clandestine Drug Labs:

[CDL](#)

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Aug 21, 2019

Tier 2 Report:

TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Sep 16, 2019

Air Permits:

AIR PERMITS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Cook County Prevailing Wage Rates posted on 10/4/2021

Trade Title	Rg	Type	C	Base	Foreman	Overtime				H/W	Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol					
ASBESTOS ABT-GEN	All	ALL		44.40	45.40	1.5	1.5	2.0	2.0	16.10	14.21	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		38.85	41.96	1.5	1.5	2.0	2.0	14.42	12.61	0.00	0.82	
BOILERMAKER	All	BLD		52.61	57.34	2.0	2.0	2.0	2.0	6.97	22.34	0.00	1.40	
BRICK MASON	All	BLD		48.56	53.42	1.5	1.5	2.0	2.0	11.70	21.06	0.00	1.03	
CARPENTER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
CEMENT MASON	All	ALL		47.50	49.50	2.0	1.5	2.0	2.0	16.75	20.74	0.00	1.00	
CERAMIC TILE FINISHER	All	BLD		42.80	42.80	1.5	1.5	2.0	2.0	11.45	14.27	0.00	0.94	
COMMUNICATION ELECTRICIAN	All	BLD		46.26	49.06	1.5	1.5	2.0	2.0	11.60	13.83	1.25	1.55	0.50
ELECTRIC PWR EQMT OP	All	ALL		56.55	62.05	1.5	1.5	2.0	2.0	12.94	19.11	0.00	3.17	
ELECTRIC PWR GRNDMAN	All	ALL		44.11	62.05	1.5	1.5	2.0	2.0	10.10	14.91	0.00	2.48	
ELECTRIC PWR LINEMAN	All	ALL		56.55	62.05	1.5	1.5	2.0	2.0	12.94	19.11	0.00	3.17	
ELECTRICIAN	All	ALL		51.00	54.00	1.5	1.5	2.0	2.0	16.49	17.82	1.25	1.87	1.50
ELEVATOR CONSTRUCTOR	All	BLD		60.42	67.97	2.0	2.0	2.0	2.0	15.87	19.31	4.83	0.64	
FENCE ERECTOR	All	ALL		45.67	47.67	1.5	1.5	2.0	2.0	13.68	16.39	0.00	0.65	
GLAZIER	All	BLD		47.73	49.23	1.5	2.0	2.0	2.0	14.99	23.42	0.00	1.43	
HEAT/FROST INSULATOR	All	BLD		51.80	54.91	1.5	1.5	2.0	2.0	14.42	15.36	0.00	0.82	
IRON WORKER	All	ALL		54.51	56.51	2.0	2.0	2.0	2.0	15.40	25.06	0.00	0.44	
LABORER	All	ALL		45.90	46.65	1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
LATHER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
MACHINIST	All	BLD		50.68	53.18	1.5	1.5	2.0	2.0	8.93	8.95	1.85	1.47	
MARBLE FINISHER	All	ALL		37.00	50.10	1.5	1.5	2.0	2.0	11.70	19.10	0.00	0.93	
MARBLE MASON	All	BLD		47.71	52.48	1.5	1.5	2.0	2.0	11.70	20.53	0.00	1.02	
MATERIAL TESTER I	All	ALL		35.90		1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
MATERIALS TESTER II	All	ALL		40.90		1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
MILLWRIGHT	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
OPERATING ENGINEER	All	BLD	1	53.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	2	52.30	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	3	49.75	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	4	48.00	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	5	57.35	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	6	54.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	

OPERATING ENGINEER	All	BLD	7	56.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	FLT	1	59.35	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	2	57.85	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	3	51.50	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	4	42.80	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	5	60.85	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	6	41.00	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	HWY	1	51.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	2	51.25	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	3	49.20	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	4	47.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	5	46.60	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	6	54.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	7	52.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
ORNAMENTAL IRON WORKER	All	ALL		52.13	54.63	2.0	2.0	2.0	2.0	14.23	23.99	0.00	1.25
PAINTER	All	ALL		49.30	55.46	1.5	1.5	1.5	2.0	13.01	14.74	0.00	1.87
PAINTER - SIGNS	All	BLD		40.74	45.75	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00
PILEDRIVER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79
PIPEFITTER	All	BLD		52.00	55.00	1.5	1.5	2.0	2.0	11.60	21.85	0.00	2.92
PLASTERER	All	BLD		45.50	48.23	1.5	1.5	2.0	2.0	16.75	19.04	0.00	1.25
PLUMBER	All	BLD		52.80	55.95	1.5	1.5	2.0	2.0	16.45	16.75	0.00	1.47
ROOFER	All	BLD		46.70	50.70	1.5	1.5	2.0	2.0	11.23	13.91	0.00	0.91
SHEETMETAL WORKER	All	BLD		47.50	51.30	1.5	1.5	2.0	2.0	12.90	27.64	0.00	0.95
SIGN HANGER	All	BLD		34.07	36.80	1.5	1.5	2.0	2.0	6.45	4.30	0.00	0.00
SPRINKLER FITTER	All	BLD		51.75	54.50	1.5	1.5	2.0	2.0	13.90	17.00	0.00	0.75
STEEL ERECTOR	All	ALL		54.51	56.51	2.0	2.0	2.0	2.0	15.40	25.06	0.00	0.44
STONE MASON	All	BLD		48.56	53.42	1.5	1.5	2.0	2.0	11.70	21.06	0.00	1.03
TERRAZZO FINISHER	All	BLD		44.54	44.54	1.5	1.5	2.0	2.0	11.45	16.64	0.00	0.97
TERRAZZO MASON	All	BLD		48.38	51.88	1.5	1.5	2.0	2.0	11.45	18.10	0.00	1.00
TILE MASON	All	BLD		49.75	53.75	1.5	1.5	2.0	2.0	11.45	17.98	0.00	1.02
TRAFFIC SAFETY WORKER	All	HWY		38.50	40.10	1.5	1.5	2.0	2.0	8.90	8.90	0.00	0.90
TRUCK DRIVER	E	ALL	1	39.25	39.90	1.5	1.5	2.0	2.0	11.40	14.70	0.00	0.15
TRUCK DRIVER	E	ALL	2	39.50	39.90	1.5	1.5	2.0	2.0	11.40	14.70	0.00	0.15
TRUCK DRIVER	E	ALL	3	39.70	39.90	1.5	1.5	2.0	2.0	11.40	14.70	0.00	0.15
TRUCK DRIVER	E	ALL	4	39.90	39.90	1.5	1.5	2.0	2.0	11.40	14.70	0.00	0.15
TRUCK DRIVER	W	ALL	1	39.88	40.43	1.5	1.5	2.0	2.0	10.20	13.86	0.00	0.15

TRUCK DRIVER	W	ALL	2	40.03	40.43	1.5	1.5	2.0	2.0	10.20	13.86	0.00	0.15	
TRUCK DRIVER	W	ALL	3	40.23	40.43	1.5	1.5	2.0	2.0	10.20	13.86	0.00	0.15	
TRUCK DRIVER	W	ALL	4	40.43	40.43	1.5	1.5	2.0	2.0	10.20	13.86	0.00	0.15	
TUCKPOINTER	All	BLD		48.25	49.25	1.5	1.5	2.0	2.0	8.79	20.47	0.00	1.01	

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all

sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician;

Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin

Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows: Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

Lake County Prevailing Wage Rates posted on 10/4/2021

Trade Title	Rg	Type	C	Base	Foreman	Overtime				H/W	Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol					
ASBESTOS ABT-GEN	All	ALL		44.40	45.40	1.5	1.5	2.0	2.0	16.10	14.21	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		38.85	41.96	1.5	1.5	2.0	2.0	14.42	12.61	0.00	0.82	
BOILERMAKER	All	BLD		52.61	57.34	2.0	2.0	2.0	2.0	6.97	22.34	0.00	1.40	
BRICK MASON	All	BLD		48.56	53.42	1.5	1.5	2.0	2.0	11.70	21.06	0.00	1.03	
CARPENTER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
CEMENT MASON	All	ALL		47.70	49.70	2.0	1.5	2.0	2.0	11.15	26.58	0.00	0.55	
CERAMIC TILE FINISHER	All	BLD		42.80	42.80	1.5	1.5	2.0	2.0	11.45	14.27	0.00	0.94	
COMMUNICATION TECHNICIAN	All	BLD		39.50	42.30	1.5	1.5	2.0	2.0	13.53	16.67	2.26	0.89	
ELECTRIC PWR EQMT OP	All	ALL		46.06	62.84	1.5	1.5	2.0	2.0	6.75	12.90	0.00	1.15	1.38
ELECTRIC PWR GRNDMAN	All	ALL		35.38	62.84	1.5	1.5	2.0	2.0	6.75	9.91	0.00	0.88	1.06
ELECTRIC PWR LINEMAN	All	ALL		55.37	62.84	1.5	1.5	2.0	2.0	6.75	15.50	0.00	1.38	1.66
ELECTRIC PWR TRK DRV	All	ALL		36.67	62.84	1.5	1.5	2.0	2.0	6.75	10.27	0.00	0.92	1.10
ELECTRICIAN	All	BLD		42.82	47.07	1.5	1.5	2.0	2.0	14.62	24.46	6.00	0.69	
ELEVATOR CONSTRUCTOR	All	BLD		60.42	67.97	2.0	2.0	2.0	2.0	15.87	19.31	4.83	0.64	
FENCE ERECTOR	All	ALL		45.67	47.67	1.5	1.5	2.0	2.0	13.68	16.39	0.00	0.65	
GLAZIER	All	BLD		47.73	49.23	1.5	2.0	2.0	2.0	14.99	23.42	0.00	1.43	
HEAT/FROST INSULATOR	All	BLD		51.80	54.91	1.5	1.5	2.0	2.0	14.42	15.36	0.00	0.82	
IRON WORKER	All	ALL		54.51	56.51	2.0	2.0	2.0	2.0	15.40	25.06	0.00	0.44	
LABORER	All	ALL		45.90	46.65	1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
LATHER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
MACHINIST	All	BLD		50.68	53.18	1.5	1.5	2.0	2.0	8.93	8.95	1.85	1.47	
MARBLE FINISHER	All	ALL		37.00	50.10	1.5	1.5	2.0	2.0	11.70	19.10	0.00	0.93	
MARBLE MASON	All	BLD		47.71	52.48	1.5	1.5	2.0	2.0	11.70	20.53	0.00	1.02	
MATERIAL TESTER I	All	ALL		35.90		1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
MATERIALS TESTER II	All	ALL		40.90		1.5	1.5	2.0	2.0	16.55	14.71	0.00	0.90	
MILLWRIGHT	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79	
OPERATING ENGINEER	All	BLD	1	53.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	2	52.30	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	3	49.75	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	4	48.00	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	
OPERATING ENGINEER	All	BLD	5	57.35	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40	

OPERATING ENGINEER	All	BLD	6	54.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	BLD	7	56.60	57.60	2.0	2.0	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	FLT	1	59.35	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	2	57.85	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	3	51.50	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	4	42.80	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	5	60.85	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	FLT	6	41.00	59.35	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	HWY	1	51.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	2	51.25	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	3	49.20	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	4	47.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	5	46.60	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	6	54.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
OPERATING ENGINEER	All	HWY	7	52.80	55.80	1.5	1.5	2.0	2.0	21.40	18.60	2.00	2.40
ORNAMENTAL IRON WORKER	All	ALL		52.13	54.63	2.0	2.0	2.0	2.0	14.23	23.99	0.00	1.25
PAINTER	All	ALL		49.30	55.46	1.5	1.5	1.5	2.0	13.01	14.74	0.00	1.87
PAINTER - SIGNS	All	BLD		40.74	45.75	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00
PILEDRIVER	All	ALL		50.86	52.86	1.5	1.5	2.0	2.0	11.79	24.76	0.00	0.79
PIPEFITTER	All	BLD		52.00	55.00	1.5	1.5	2.0	2.0	11.60	21.85	0.00	2.92
PLASTERER	All	BLD		47.57	50.42	2.0	1.5	2.0	2.0	11.15	26.88	0.00	0.55
PLUMBER	All	BLD		52.80	55.95	1.5	1.5	2.0	2.0	16.45	16.75	0.00	1.47
ROOFER	All	BLD		46.70	50.70	1.5	1.5	2.0	2.0	11.23	13.91	0.00	0.91
SHEETMETAL WORKER	All	BLD		47.50	51.30	1.5	1.5	2.0	2.0	12.90	27.64	0.00	0.95
SIGN HANGER	All	BLD		34.07	36.80	1.5	1.5	2.0	2.0	6.45	4.30	0.00	0.00
SPRINKLER FITTER	All	BLD		51.75	54.50	1.5	1.5	2.0	2.0	13.90	17.00	0.00	0.75
STEEL ERECTOR	All	ALL		54.51	56.51	2.0	2.0	2.0	2.0	15.40	25.06	0.00	0.44
STONE MASON	All	BLD		48.56	53.42	1.5	1.5	2.0	2.0	11.70	21.06	0.00	1.03
TERRAZZO FINISHER	All	BLD		44.54	44.54	1.5	1.5	2.0	2.0	11.45	16.64	0.00	0.97
TERRAZZO MASON	All	BLD		48.38	51.88	1.5	1.5	2.0	2.0	11.45	18.10	0.00	1.00
TILE MASON	All	BLD		49.75	53.75	1.5	1.5	2.0	2.0	11.45	17.98	0.00	1.02
TRAFFIC SAFETY WORKER	All	HWY		38.50	40.10	1.5	1.5	2.0	2.0	8.90	8.90	0.00	0.90
TRUCK DRIVER	All	ALL	1	41.16	41.71	1.5	1.5	2.0	2.0	11.40	11.00	0.00	0.15
TRUCK DRIVER	All	ALL	2	41.31	41.71	1.5	1.5	2.0	2.0	11.40	11.00	0.00	0.15
TRUCK DRIVER	All	ALL	3	41.51	41.71	1.5	1.5	2.0	2.0	11.40	11.00	0.00	0.15
TRUCK DRIVER	All	ALL	4	41.71	41.71	1.5	1.5	2.0	2.0	11.40	11.00	0.00	0.15

TUCKPOINTER	All	BLD		48.25	49.25	1.5	1.5	2.0	2.0	8.79	20.47	0.00	1.01	
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Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations LAKE COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings,

plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATION TECHNICIAN

Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators;

Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TRAFFIC SAFETY - Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows:
Work associated with barricades, hoses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnpulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnpulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch

trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".