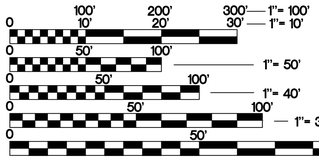
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	32	1
	ILLINOIS	CONTRACT NO.		

FINAL ENGINEERING PLANS FOR:
MASTODON LAKE DREDGING
CITY OF AURORA

KANE COUNTY, ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2
FOR BENCHMARK INFORMATION, SEE SHEET NO. 2



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
811 OR 1-800-892-0123

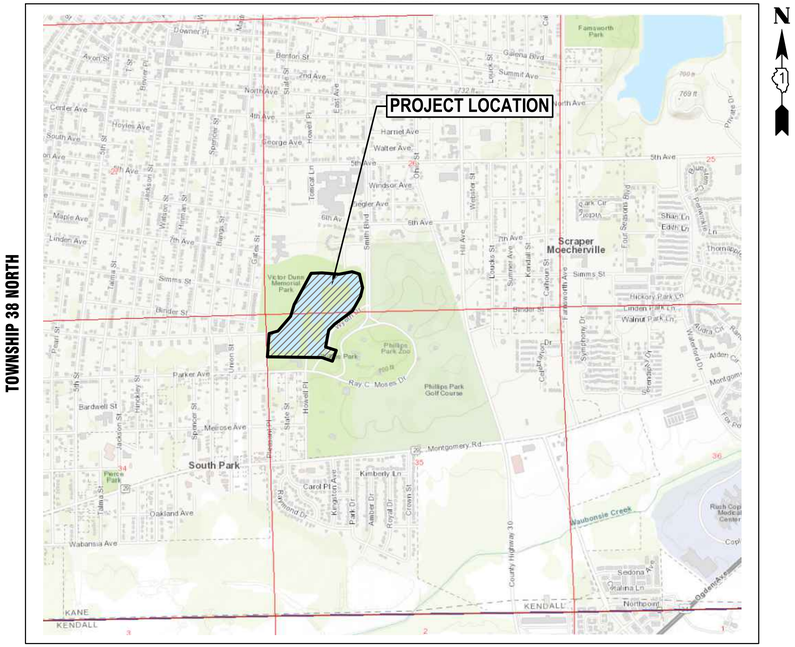
Dial 811 or 1-800-892-0123
Know what's below. Call before you dig.

JULIE DESIGN TICKET NUMBER: # A0330734

WITH THE FOLLOWING:
COUNTY KANE COUNTY
CITY–TOWNSHIP AURORA–AURORA TOWNSHIP
SEC. & 1/4 SEC. NO.# 26,35–38 N.–8 E.

(2) Working Days before you dig
(Excluding Sat., Sun. & Holidays)

RANGE 9 EAST



TOWNSHIP 38 NORTH

KANE COUNTY- AURORA TOWNSHIP
THIRD PRINCIPAL MERIDIAN

PROJECT LOCATION MAP
SCALE: N.T.S.



LOCATION OF SECTION INDICATED THUS: - ■ -

CITY OF AURORA

APPROVED _____ **20** _____

_____
CITY OF AURORA

PLAN REVISIONS

DATE	TITLE
4/7/2021	PRELIMINARY CONCEPT - SUBMITTAL TO CITY OF AURORA
7/9/2021	90% SUBMITTAL FOR REVIEW - SUBMITTAL TO CITY OF AURORA
8/20/2021	100% SUBMITTAL FOR REVIEW - SUBMITTAL TO CITY OF AURORA
4/13/2024	100% FOR BIDDING - DREDGE ONLY
1/30/2026	100% UPDATED FOR BIDDING - DREDGE ONLY

ENGINEER/SURVEYOR:

HR GREEN, INC
2363 SEQUOIA DRIVE, SUITE 101 | AURORA, IL 60506

CLIENT MANAGER: A. JAIN, P.E.
(815) 759-8331
PROJECT MANAGER: L. GILBERTSEN, P.E.
(815) 759-8370
PROJECT SURVEYOR: J. BOLINE, P.L.S.
(815) 759-8375

CONTRACT NO.
I.E.P.A. PERMIT NO. 021-EA-66294

FOR BIDDING
–NOT FOR CONSTRUCTION–

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Illinois.

11/30/2027
LOGAN R. GILBERTSEN, P.E. DATE
License Number: 062.067541
My license renewal date is 11/30/2025
Pages or sheets covered by this seal:
DEWATERING, RESTORATION, EROSION CONTROL, GENERAL SHEETS

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Illinois.

11/30/2027
ANDREW R. VENZKE, P.E. DATE
License Number: 062.077464
My license renewal date is 11/30/2025
Pages or sheets covered by this seal:
ELECTRICAL SHEETS

HRGreen

2363 SEQUOIA DRIVE, SUITE 101 | AURORA, IL 60506
Phone: 630.553.7560 | Toll Free: 800.728.7805 | Fax: 630.553.7646 | HRGreen.com

PLANS PREPARED FOR:

CITY OF AURORA
MR. SOUTS THAVONG, P.E., CFM
ENGINEERING COORDINATOR
CITY OF AURORA ENGINEERING DIVISION
44 EAST DOWNER PLACE
AURORA, IL 60507
PHONE: (630) 256–3207

PROJECT LOCATED IN THE CITY OF AURORA

PRINTED BY THE AUTHORITY OF CITY AURORA

Sheet List Table

Sheet Number	Sheet Title
01	Cover (1)
02	Index of sheets and IDOT Details (1)
03	General Notes (1)
04	Summary_of_Quantities (2)
05	Overall–Ex–Cond (1)
06	Overall–Dewaterring Plan (1)
07	Overall–Ex–Lake–Bathymetrics (1)
08	Overall–Pr–Lake–Bathymetrics (2)
09	Overall Restoration Plan
10	Dewatering (1)
11	Dewatering (2)
12	Dewatering (3)
13	Dewatering (4)
14	Dewatering (5)
15	Dewatering (6)
16	Dewatering (7)
17	Dewatering (8)
18	Overall–Stockpile (1)
19	Overall–Stockpile (2)
20	Overall–Truck–Routing (1)
21	Bank Restore–Typs (3)
22	Detailed (1)
23	Erosion_Specs (1)
24	Erosion_Details (1)
25	Erosion_Details (2)
26	Erosion_Details (3)
27	Erosion_Details (4)
28	IDOT_Details (1)
29	IDOT_Details (2)
30	Electrical Symbols & Abbreviations
31	Electrical Site Plan
32	Electrical One Line Diagram and Schedule
33	Electrical Details

UTILITY CONTACTS

UTILITY: CITY OF AURORA
CONTACT: MIKE HOUSTON
PHONE: 331–254–2026
EMAIL: houstonm@aurora.il.us

UTILITY: ATT DISTRIBUTION
CONTACT: G11629@ATT.com
EMAIL: G11629@ATT.com

UTILITY: COMED
PHONE: 630–576–7094

UTILITY: COMCAST
CONTACT: MARTHA GIERAS
PHONE: 224–229–5862
EMAIL: martha_gieras@comcast.com

UTILITY: FOX METRO WATER RECLAM. DIST
CONTACT: KEITH ZOLLERS
PHONE: 630–301–6810
EMAIL: kzollers@foxmetro.org

UTILITY: NICOR GAS
CONTACT: UTILITY CONSULTANT GO3W
PHONE: 630–388–2362

SYMBOL LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE		
STORM MANHOLE		
STORM CATCH BASIN/INLET		
INLET		
FLARED END SECTION		
VALVE VAULT		
WATER SERVICE VALVE		
WATER B–BOX		
INDICATES WATER MAIN LINE STOP		
INDICATES PRESSURE VALVE INSERT		
CUT AND CAP		
FIRE HYDRANT WITH AUXILIARY VALVE		
LIGHT POLE		
REGULATORY SIGN		
UTILITY POLE		
UTILITY BOX	GAS ELEC CATV	GAS ELEC CATV
MAILBOX		
WELL	W	
SANITARY SEWER		
STORM SEWER		
COMBINATION STORM AND SANITARY SEWER		
CULVERT		
PERFORATED UNDERDRAIN		
WATER MAIN	W	W
WATER MAIN ENCASEMENT		W
TRENCH BACKFILL		W
SANITARY FORCE MAIN		
ELECTRIC LINE	E	E
OVERHEAD ELECTRIC LINE	OE	OE
UNDERGROUND ELECTRIC	UE	UE
TELEPHONE LINE	T	T
GAS LINE	G	G
CABLE TV LINE	CATV	CATV
FIBER OPTIC LINE	FO	FO
RAILROAD TRACKS		
TREE LINE		
TREE		
CONTOURS		
SPOT ELEVATION	EXIST	PROP
FENCE	x	
WETLAND		
MARSH / WETLAND		
RIPRAP		
DRAINAGE DIRECTION ARROW		
DRAINAGE OVERFLOW DIRECTION		

STANDARD ABBREVIATIONS

B–B – BACK TO BACK OF CURB
B.C. – BACK OF CURB
B.O.C. – BACK OF CURB
B.S.L. – BUILDING SETBACK LINE
C.B. – STORM CATCH BASIN
C.E. – COMMONWEALTH EDISON CO.
D.E. – DRAINAGE EASEMENT
E–E – EDGE TO EDGE OF PAVEMENT
E.O.P. – EDGE OF PAVEMENT
E.O.S. – EDGE OF SHOULDER
E.P. – EDGE OF PAVEMENT
E.S. – EDGE OF SHOULDER
F.E.S. – FLARED END SECTION
I.B.T. – ILLINOIS BELL TELEPHONE CO.
L.E. – LANDSCAPE EASEMENT
M.H. – MANHOLE (TYPE SPECIFIED ON PLANS)
R.C.M.E. – ROAD CONSTRUCTION & MAINTENANCE EASEMENT
R.O.W. – RIGHT OF WAY
T.B.F. – TRENCH BACKFILL
T.C. – TOP OF CURB
T.C.E. – TEMPORARY CONSTRUCTION EASEMENT
T.O.B. – TOP OF BERM
T.O.C. – TOP OF CURB
U.E. – UTILITY EASEMENT

SITE BENCHMARKS:

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

SITE BENCHMARK

CITY OF AURORA BENCHMARK #16E
CITY OF AURORA SURVEY MONUMENT DISK AT THE SOUTHWEST INTERSECTION OF HILL AVENUE AND THE EAST ENTRANCE TO PHILLIPS PARK GOLF COURSE. LYING 6.9' SOUTHWEST OF NORTHWEST POST CORNER OF THE PHILLIPS PARK GOLF COURSE SIGN AND 13.7' NORTHWEST OF THE SOUTHEAST POST CORNER OF THE PHILLIPS PARK GOLF COURSE SIGN.

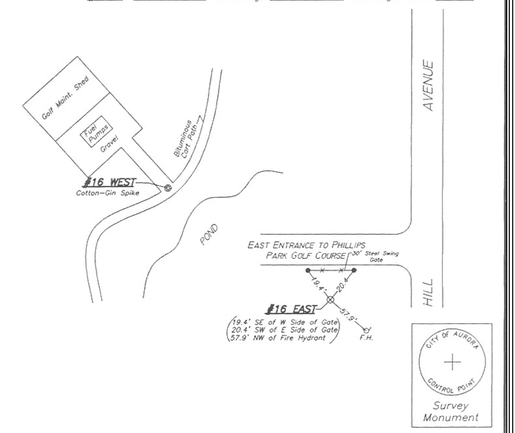
ELEVATION=718.48 (NAVD88)

CITY OF AURORA

CONTROL MONUMENT RECOVERY MAP

N

Control Monument No. 16
Location: Section 35, Township 38 North, Range 8 East of the 3rd P.M.
Coordinates #16 W: 1847069.093 Northing, 995800.815 Easting, Elev.=700.13
#16 E: 1846967.582 Northing, 996659.220 Easting, Elev.=718.48



Prepared by:
William E. Hanna Surveyors
508 Pine Street
Dekalb, Illinois 60115
(815) 756-2159
Fax 748-2532
hannasurv@aol.com

DATE: APRIL 1ST, 2002

COMPANY NAME:			
PROJECT CONTACT:			
CLIENT:			
DATE PLOTTED:	2/6/2026 3:18 PM		
FILE NAME:	191806–Cover		
PLOT DRIVER:	DWG To PDF.pc3		
PEN TABLE:	ILDOT–Standard.ctb		

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Illinois Professional Design Firm
#184.001322
HRGreen

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FILE NAME = 191806–Cover	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

INDEX OF SHEETS, BENCHMARKS AND UTILITY CONTACTS

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	02
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES:

1. All items of this project shall be governed by specifications included in the documents listed below:

   A. "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said department (Latest Edition).
   B. "Supplemental Specifications and Recurring Special Provisions" adopted by the Illinois Department of Transportation (Latest Edition).
   C. "Bureau of Design & Environment Manual" (BDE) by Illinois Department of Transportation (Latest Edition)
   D. "Manual on Uniform Traffic Control Devices" – Federal Highway Administration MUTCD (Latest Edition).
   E. "Illinois Supplement to the National Manual on Uniform Traffic Control Devices" (Latest Edition).
   F. "Standard Specifications for Water and Sewer Main Construction in Illinois" (Latest Edition).
   G. "Illinois Urban Manual" prepared by the U.S. Department of Agriculture NRCS and maintained by the Association of Illinois Soil and Water Conservation Districts (Latest Edition).
   H. "Standards and Specifications for Soil Erosion and Sediment Control" by IEPA, Illinois Urban Manual – A Technical Manual Designed For Urban Ecosystem Protection and Enhancement, (Latest Edition).
   I. "Kane County Stormwater Management Ordinance"

In addition the following special provisions supplement the said specifications, and in case of conflict with any part or parts of said specifications, these special provisions shall take precedence and shall govern.

2. SCOPE OF WORK: The proposed improvement consists of supplying all the necessary labor, material and equipment to satisfactorily construct and install all improvements according to the plans designated as MASTODON LAKE DREDGING PROJECT – AURORA,IL.

3. COORDINATION WITH UTILITIES

   Prior to the start of construction, the contractor shall have all utilities located by J.U.L.I.E (811) or (1–800–892–0123) at least 48 hours prior to the start of construction. The contractor shall cooperate with all utility owners as provided for in the Standard Specifications.

   The contractor shall be responsible for the protection of all underground or surface utilities, even though they may not be shown on the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the Engineer or the Owner. This work shall be paid for at the Contractor's expense.

   It is the Contractor's responsibility to locate all existing utilities prior to construction. The location of existing utilities as shown on these plans is based on record information and may not be accurate. Where conflict exists between existing utilities and the proposed underground piping requiring a revision to the plans, such construction shall not be undertaken until such changes are approved by the Engineer. The contractor shall report all such conflicts immediately to the Engineer.

   The coordination of all utility work for the construction project will be discussed at a pre construction meeting.

4. CLEARING, TREE REMOVAL, BUSH REMOVAL, AND PROTECTION
   The Contractor shall provide protection as per Article 201 of the Standard Specifications.

5. CONSTRUCTION FENCING

   A. Perimeter Construction Fencing to be placed to ensure the safety of property and life. Fencing of areas for contractors stockpile, staging, security and safety shall not be measured for payment. Construction fencing shall be adjusted at the Owner's direction when it interferes with the Owner's operations.

6. CONSTRUCTION OBSERVATION
   All improvements shall be subject to observation by a duly authorized and qualified City of Aurora or owner's representative both during the course of construction and after construction is complete for final project closeout.

7. EROSION CONTROL. It shall be the Contractor's responsibility to properly control erosion on the jobsite. Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor. Site grading shall not proceed until erosion control measures have been installed.

   The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for clean–up of paved surfaces within and adjacent to the project on a timely basis and/or at the direction of the Engineer, or City of Aurora.

   All construction will adhere to the requirements set forth in the IEPA's General NPDES Permit for Stormwater Discharge from construction site activities.

   For all drainage structures in the disturbed areas, inlet protection shall be placed and maintained by the Contractor until vegetation is established, as determined by the City of Aurora.

   Erosion control measures must be inspected weekly and after every storm of one half inch of rainfall or greater by the Contractor. An inspection report must be submitted by the Contractor to the City of Aurora following each inspection. Any repairs or replacement needed to ensure adequate erosion control must be made immediately at the Contractor's expense.

   Construction & Silt fencing must be installed prior to starting construction.

8. TOPSOIL PLACEMENT. Contractor shall place stockpiled topsoil or imported material on all disturbed areas with a minimum 6" topsoil raked smooth to be ready for landscaping (seeding, sod, etc.).

9. No construction plans shall be used for construction unless specifically marked "For Construction." Prior to commencement of construction, the Contractor shall verify all dimensions and conditions affecting their work with the actual conditions at the job site. If there are any discrepancies from what is shown on the construction plans, he must immediately report same to the Engineer before doing any work, otherwise the Contractor assumes full responsibility. In the event of disagreement between the construction plans, standard specifications and/or special details, the Contractor shall secure written instructions from the Engineer prior to proceeding with any part of the work affected by omissions or discrepancies. Failing to secure such instructions, the Contractor will be considered to have proceeded at his own risk and expense.
   In the event of any doubt or question arising with respect to the true meaning of the construction plans or specifications, the decision of the Engineer shall be final and conclusive.

10. INDEMNIFICATION

    Contractor shall provide indemnification as per Article 107.26 of the Standard Specifications. All costs for insurance shall be considered incidental to the contract.

    ADDITIONAL REQUIREMENTS: The Contractor shall also indemnify and hold harmless, HR Green, Inc., the Consultant selected for Construction Engineering Services (HR Green, Inc.), City of Aurora, its officers, employees, agents, and subcontractors. The Contractor shall not commence work until additional indemnification requirements have been obtained under this paragraph.

11. INSURANCE AND LIABILITY

    Contractor shall provide insurance coverage as per Article 107.27 of the Standard Specifications. All costs for insurance shall be considered incidental to the contract.

    The "District" shall be taken to mean City of Aurora. The policy of insurance shall include HR Green, Inc., the Consultant selected for Construction Engineering Services (HR Green, Inc.), City of Aurora, and it's Agents as an additional insured or provide separate coverage with an Owner's Protective Policy, as per the amounts stated in the Standard Specifications. No work shall begin until the certificate of insurance is on file with the Engineer.

    ADDITIONAL REQUIREMENTS: The Contractor shall secure and maintain such insurance from an insurance company authorized to write casualty insurance in the State where the work is located and also will protect and list as additional insured, HR Green, Inc., the Consultant selected for Construction Engineering Services (yet to be determined), City of Aurora, and his subcontractors and his employees from claims for bodily injury, death or property damage which may arise from improvements on the property. The Contractor shall not commence work until he/she has obtained all insurance required under this paragraph and filed the certificate of insurance or the certified copy of the insurance policy.

12. SITE CLEAN UP

    When construction operations take place adjacent to public roadways the contractor shall be responsible for removal of all loose debris deposited on the pavement. The stock piling of spoils from foundations or utility excavations will not be allowed on the pavement or in special management areas such as floodplains or wetlands.

13. LANDSCAPING & RESTORATION

    The contractor shall take care in grading near trees, shrubs and bushes which are not to be removed so as not to cause injury to the roots, trunks or limbs. This work shall be included and paid for as "Tree Protection." Saw cutting of tree roots shall be considered incidental to the contract.

    The contractor shall make every effort to avoid disturbing any existing landscaping, landscaping appurtenances, walkways, retaining walls, etc, that are not marked for removal on the plans. If damage occurs, the contractor shall replace, in kind, the item or items at his/her expense in a manner meeting with the approval of the Engineer. All vegetation being removed shall be replaced with the same size and type. No additional compensation will be allowed for damaged items.

14. STAKING

    The contractor shall be responsible for establishing construction staking for the project site which will be paid for as a lump sum item, CONSTRUCTION STAKING LAYOUT. The Contractor shall protect and carefully preserve all section or subsection monuments or property or reference markers until the Owner, his agent or an authorized surveyor has witnessed or otherwise referenced their locations

    The Engineer shall be responsible for providing electronic files to help facilitate the contractor's construction staking.

    All elevations are on U.S.G.S. Datum. (NAVD 88)

15. MISCELLANEOUS

    All work performed relative to this improvement shall comply with all applicable rules and regulations of O.S.H.A.

    All construction personnel will be required to wear a safety vest, complying with the latest O.S.H.A. requirements, at all times while at the construction site. Compliance with this requirement shall be considered as incidental to the contract.

    Unless otherwise indicated, 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 bid prices of the contract, and no additional compensation will be allowed.

    The Contractor shall be responsible for the installation and maintenance of adequate signs, traffic control devices, and warning devices to inform and protect the public during all phases of construction. See Special Provisions. This work be measured and paid for as Traffic Control and Protection, (Special), Unless Noted Otherwise

    Part of the proposed project is located within a flood hazard area, wetlands and Waters of the United States.

    The contractor shall confine their grading operations to within construction limits and easements shown on the plans. Any damage to properties outside the site boundary shall be at the sole responsibility of the contractor.

    The contractor shall apply necessary moisture control to the construction area and haul roads to prevent the spread of dust.

    All field tiles encountered shall be replaced and/or connected to the storm sewer system and located and identified on the record plans by the contractor.

    All storm drainage construction shall be performed in accordance with the City of Aurora.

    Elevations and contours are to state plane coordinates per NAVD 88 datum.

    1 week prior to construction within City row or any connection to public sewers, contractor shall notify the appropriate City engineering divisions (see contact information on cover sheet of this plan set).

    The contractor shall not disturb desirable grass areas and desirable trees outside the construction units. The contractor shall not be permitted to park or service vehicles and equipment or store materials in areas outside of the optional staging area shown in plan. Requests for additional storage, parking and service areas will be subject to the approval of the owner.

    The contractor is responsible for replacing any areas of pavement or sidewalk not to be removed that is damaged due to operating equipment on the pavement or sidewalk.

    The contractor may be required to place temporary warning devices and safety fence at certain locations where replacement features are not installed the same day, as directed by the engineer or the Owner.

    All construction within public row/easements and/or any connection to public sewers and streets, shall comply with the City construction specifications for subdivisions and latest edition of IDOT design standards

    The Kane–DuPage Soil and Water Conservation District (KDSWCD) must be notified one week prior to pre–construction conference, one week prior to the commencement of land–disturbing activities, and one week prior to the final inspection.

    Prior to commencing land–disturbing activities in areas other than indicated on these plans (including but not limited to, additional phases of development and off–site borrow or waste areas) a supplementary erosion control plan shall be submitted to the owner for review by the KDSWCD.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:18 PM
FILE NAME: 191806–Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT–Standard.ctb

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FILE NAME = 191806–Cover	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

GENERAL NOTES

SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	03
		CONTRACT NO. _____		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF PRICES			
	CODED PAY ITEMS BASE BID	UNITS	QTY
1	CONSTRUCTION LAYOUT	L SUM	1
2	MOBILIZATION	L SUM	1
3	HYDRAULIC DREDGING & DEWATERING	CU YD	50,000
4	MECHANICAL DREDGING	CU YD	1,000
5	EARTH EXCAVATION SPECIAL - HAULING	CU YD	10,000
6	NON-SPECIAL WASTE DISPOSAL	CU YD	500
7	EARTHWORK - GRADING AND SHAPING	CY	30,000
8	DEWATERING SITE PREPARATION	L SUM	1
9	PERIMETER EROSION BARRIER	FOOT	9,863
10	TURBIDITY CURTAIN	FOOT	220
11	TEMPORARY DITCH CHECKS	FOOT	200
12	MULCH, METHOD 2	ACRE	1.17
13	TEMPORARY EROSION CONTROL SEEDING	POUND	117
14	INLET AND PIPE PROTECTION	EACH	20
15	TEMPORARY CHAIN LINK FENCE - SECURITY FENCE	FOOT	8,943
16	PIPE CULVERTS, CLASS A, TYPE 1 RCP 24"	FOOT	50
17	TEMPORARY CONSTRUCTION ENTRANCE	EACH	7.00
18	PRECAST BLOCK REVETMENT MAT	SQ YD	206
19	SEEDING - AURORA MIX	ACRE	6.35
20	SEEDING - CLASS 4A	ACRE	3.04
21	EROSION CONTROL BLANKET, S75-BN	SQ YD	31,277
22	MULCH, METHOD 3	ACRE	5.40
23	AERATION FOUNTAIN (COMPLETE)	EACH	5
24	AERATION DIRECTIONAL MIXER (COMPLETE)	EACH	2
25	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
26	SUPPLEMENTAL WATERING	MONTH	3
27	TRENCH BACKFILL	CU YD	20
28	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	334
29	ELECTRICAL	L SUM	1
30	ITEMS ORDERED BY ENGINEER	EACH	200,000
31	AERATION FOUNTAIN LIGHTING	EACH	3

*** THE TOTAL VOLUME OF DREDGED MATERIAL IS 50,000CY CUMULATIVE. THE CITY SHALL PROVIDE THE FINAL DIRECTION ON THE ALLOWABLE LOCATIONS FOR DEWATERING PRACTICES.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:18 PM
FILE NAME: 191806-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

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Illinois Professional Design Firm #184.001322
HRGreen

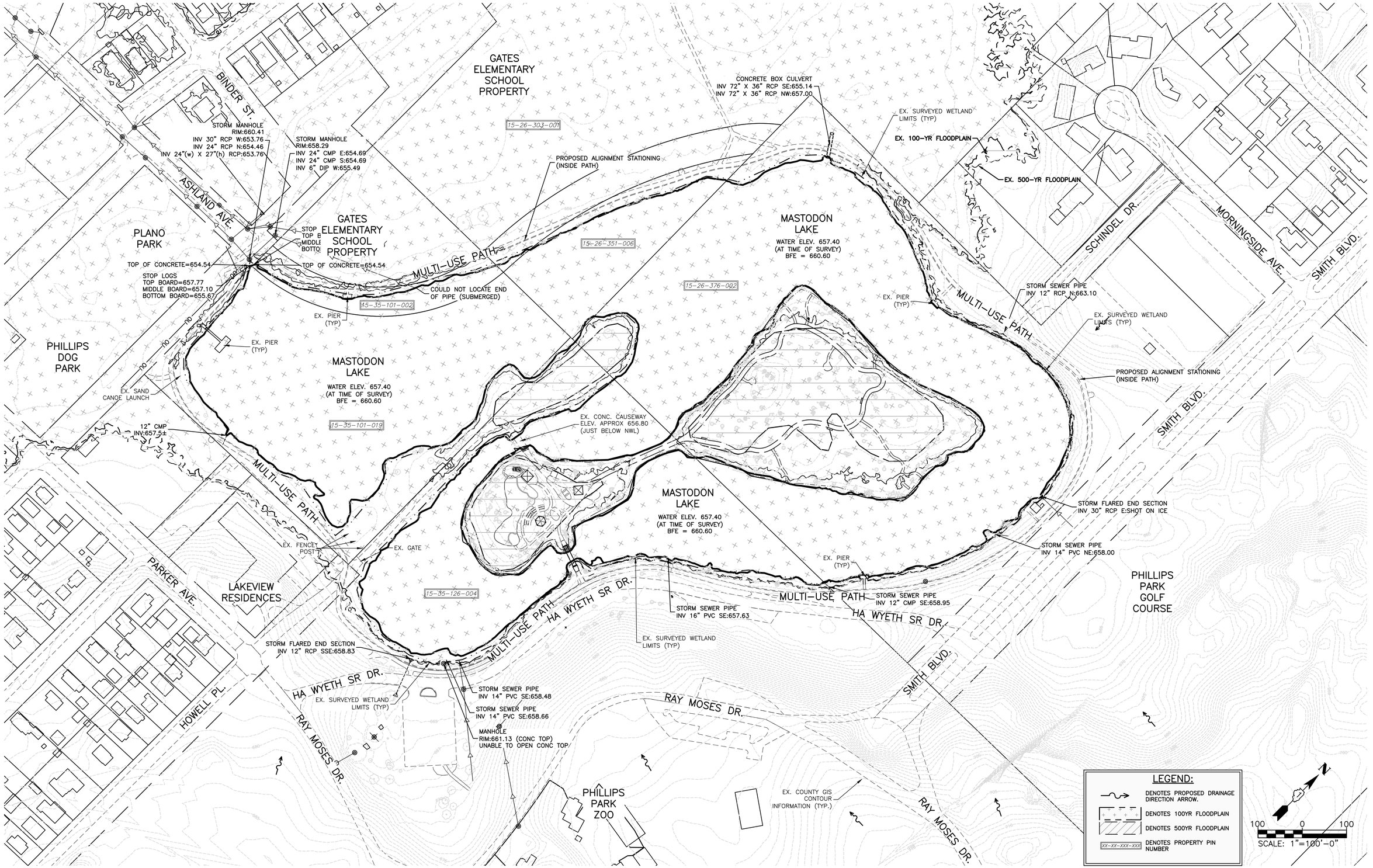
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PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	04
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	



COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:19 PM
FILE NAME: 191806-Overall-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

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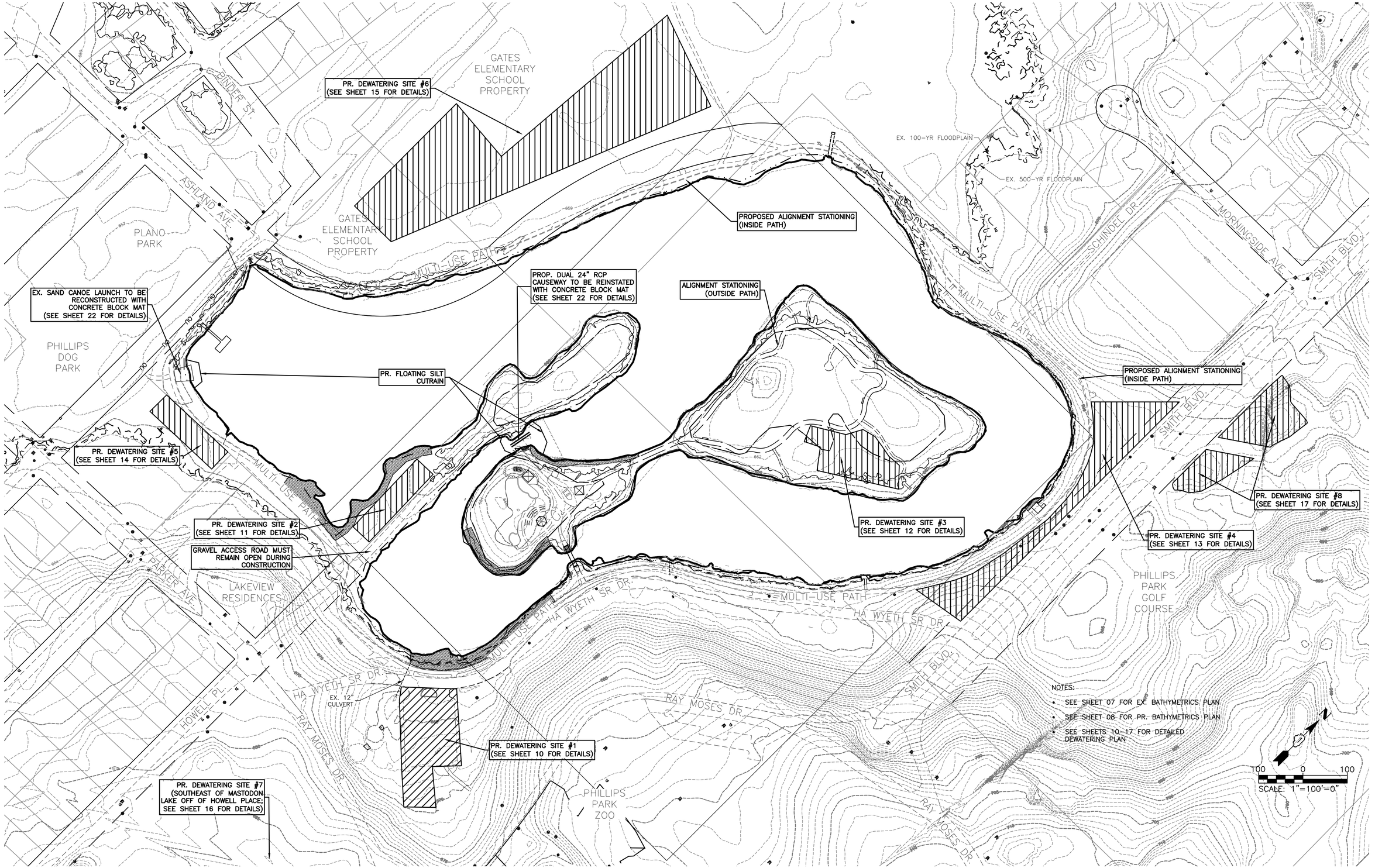
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL EXISTING CONDITIONS PLAN

SCALE: 1"=100' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	05
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



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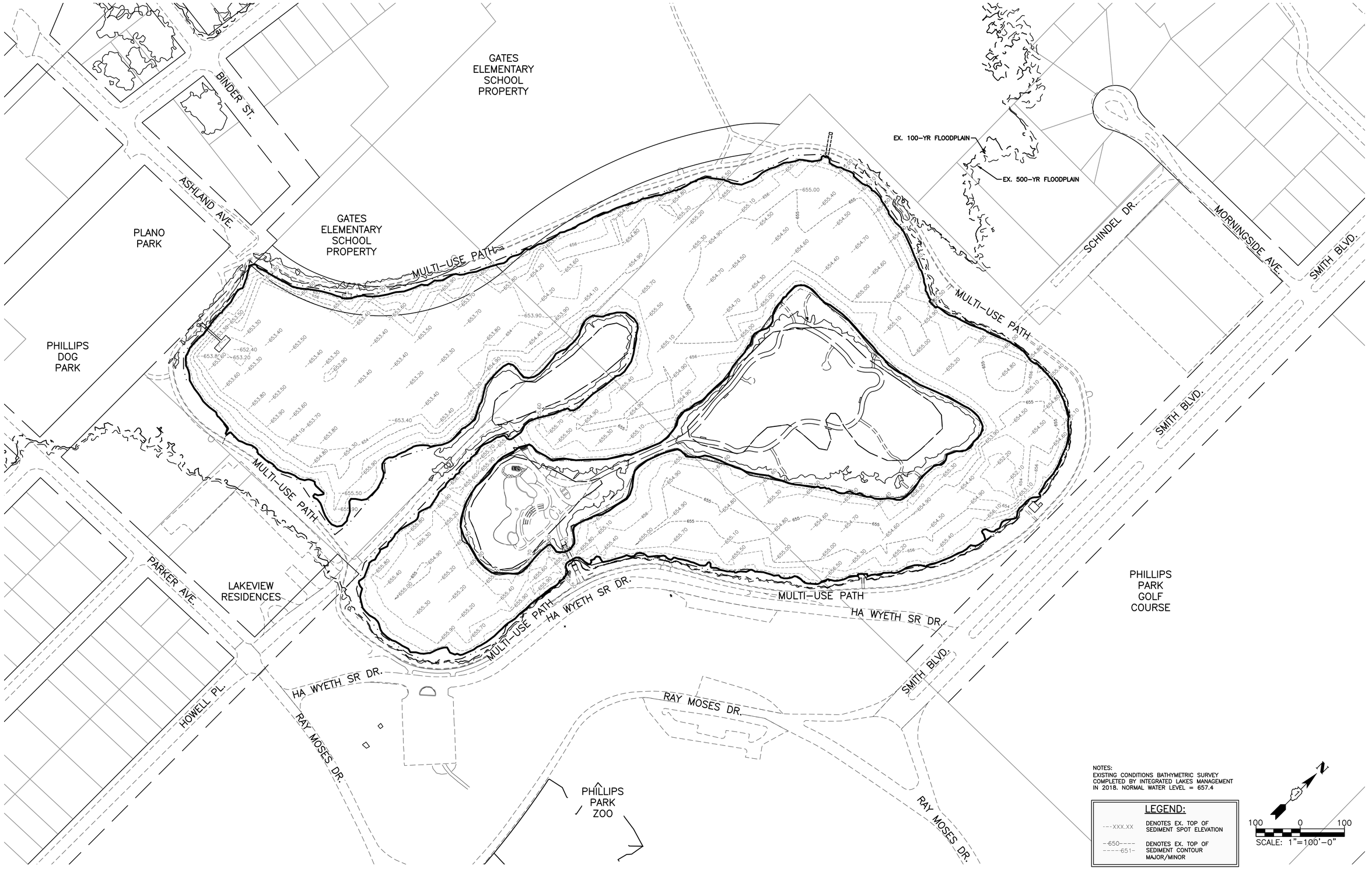
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PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL PLAN / OVERALL DEWATERING PLAN

SCALE: 1"=100' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	06
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NOTES:
EXISTING CONDITIONS BATHYMETRIC SURVEY COMPLETED BY INTEGRATED LAKES MANAGEMENT IN 2018. NORMAL WATER LEVEL = 657.4

LEGEND:

--·XXX.XX — DENOTES EX. TOP OF SEDIMENT SPOT ELEVATION

--650---- / ----651- — DENOTES EX. TOP OF SEDIMENT CONTOUR MAJOR/MINOR

N

100 0 100

SCALE: 1"=100'-0"

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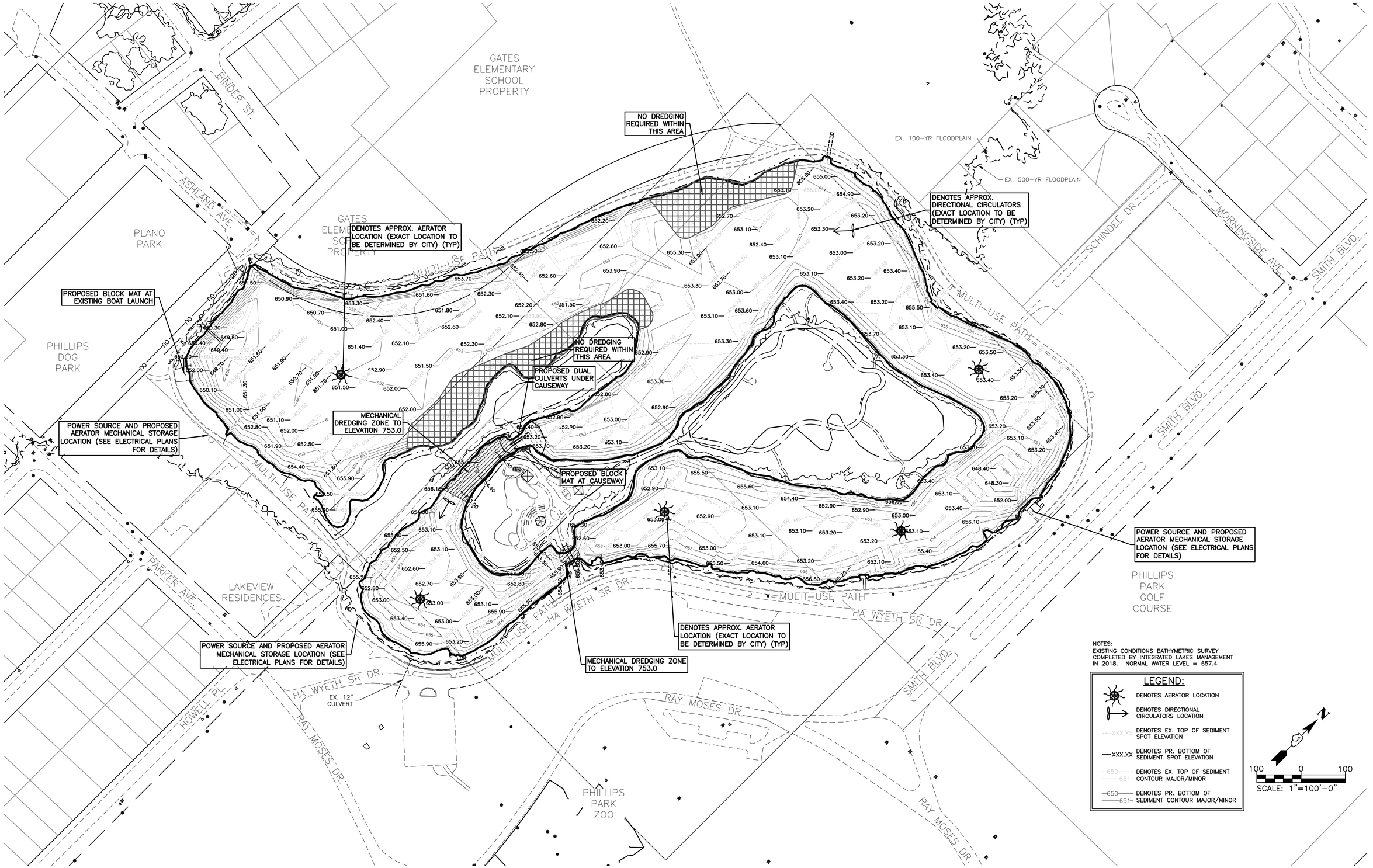
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL EXISTING BATHYMETRICS PLAN

SCALE: 1"=100' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	07
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



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PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL PROPOSED BATHYMETRICS PLAN

SCALE: 1"=100' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	08
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

RESTORATION LEGEND:

- (PS) — INDICATES TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)(SEE SPECIFICATIONS)
- (PS) — INDICATES NATIVE GRASS SEED (SEEDING, CL 4A MIX AND EROSION CONTROL BLANKET, S75–BN)
- INDICATES INTERLOCKING CONCRETE BLOCK MAT (SEE SHEET 21 FOR DETAILS)
- 650 / 651 — DENOTES EX. TOP OF GROUND CONTOUR MAJOR/MINOR
- 650 / 651 — DENOTES EX. TOP OF SEDIMENT CONTOUR MAJOR/MINOR
- 650 / 651 — DENOTES PR. LAKE BOTTOM CONTOUR MAJOR/MINOR
- XXX.XX — DENOTES PR. LAKE BOTTOM SPOT ELEVATION
- DENOTES AERATOR LOCATION
- DENOTES DIRECTIONAL CIRCULATORS LOCATION

NOTES:

- ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED. BANK TREATMENTS SHALL BE INSTALLED TO MINIMIZE IMPACTS TO THE ROOT STRUCTURE.
- FOR MECHANICAL MIXING, SEE ELECTRICAL PLANS FOR DETAILS
- SEE SHEET 27 FOR SEED/PLUG PLANTINGS AND SEEDING MIXTURES
- DEWATERING SITE #7 SHALL BE RESTORED WITH S75–BN ONLY. SEE SHEET ## FOR EXACT AREAS TO BE SEEDED.

DEWATERING SITE #6 AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

GATES ELEMENTARY SCHOOL PROPERTY

BROOKS ST.

ASHLAND AVE.

PLANO PARK

PHILLIPS DOG PARK

MULTI-USE PATH

EX. SURVEYED WETLAND LIMITS (TYP)

EX. EDGE OF WATER (ELEV=657.40) (TYP)

EX. CANOE LAUNCH TO BE RECONSTRUCTED WITH CONCRETE BLOCK MAT. SEE DETAIL

DEWATERING SITE #2 AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

APPROX. POWER SOURCE (SEE ELECTRICAL PLANS FOR DETAILS)

EX. 12" CMP CULVERT

DEWATERING SITE #5 AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

APPROX. POWER SOURCE AND PROPOSED AERATOR MECHANICAL STORAGE LOCATION (SEE ELECTRICAL PLANS FOR DETAILS)

LAKEVIEW RESIDENCES

EX. GATE (TYP)

DEWATERING SITE #7 AREAS TO BE RESTORED WITH NATIVE GRASS SEED AND TURF GRASS SEED (SEEDING, CL 4A MIX AND EROSION CONTROL BLANKET, S75–BN; AURORA SEED MIX AND EROSION CONTROL BLANKET, S75–BN)

APPROX. POWER SOURCE (SEE ELECTRICAL PLANS FOR DETAILS)

EX. 12" CULVERT

HA WYETH SR DR.

TOWELL PL.

RAY MOSES DR.

DISTURBED AREA OUTSIDE OF PAVEMENT LIMITS THAT ARE DISTURBED SHALL BE RESTORED BACK WITH TURF GRASS (AURORA SEED MIX AND MULCH METHOD 3) (TYP)

PROP. DUAL 24" RCP WITH REINSTATED CAUSEWAY (SEE SHEET 22 FOR DETAILS)

APPROX. POWER SOURCE AND PROPOSED AERATOR MECHANICAL STORAGE LOCATION (SEE ELECTRICAL PLANS FOR DETAILS)

ANY DAMAGE TO PATH DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR

AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

DEWATERING SITE #8 AREAS TO BE RESTORED WITH NATIVE GRASS SEED (SEEDING, CL 4A MIX AND EROSION CONTROL BLANKET, S75–BN)

ANY DAMAGE TO PATH DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR

DEWATERING SITE #3 AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

DEWATERING SITE #4 AREAS TO BE RESTORED WITH TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)

SCIENCE DR.

SMITH BLVD.

PHILLIPS PARK GOLF COURSE

PHILLIPS PARK ZOO

100 0 100
SCALE: 1"=100'–0"

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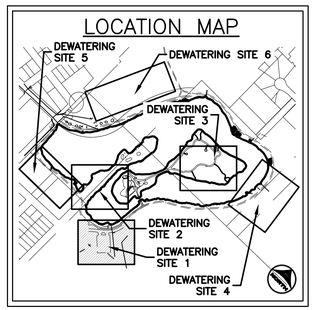
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL RESTORATION PLAN

SCALE: 1"=100' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

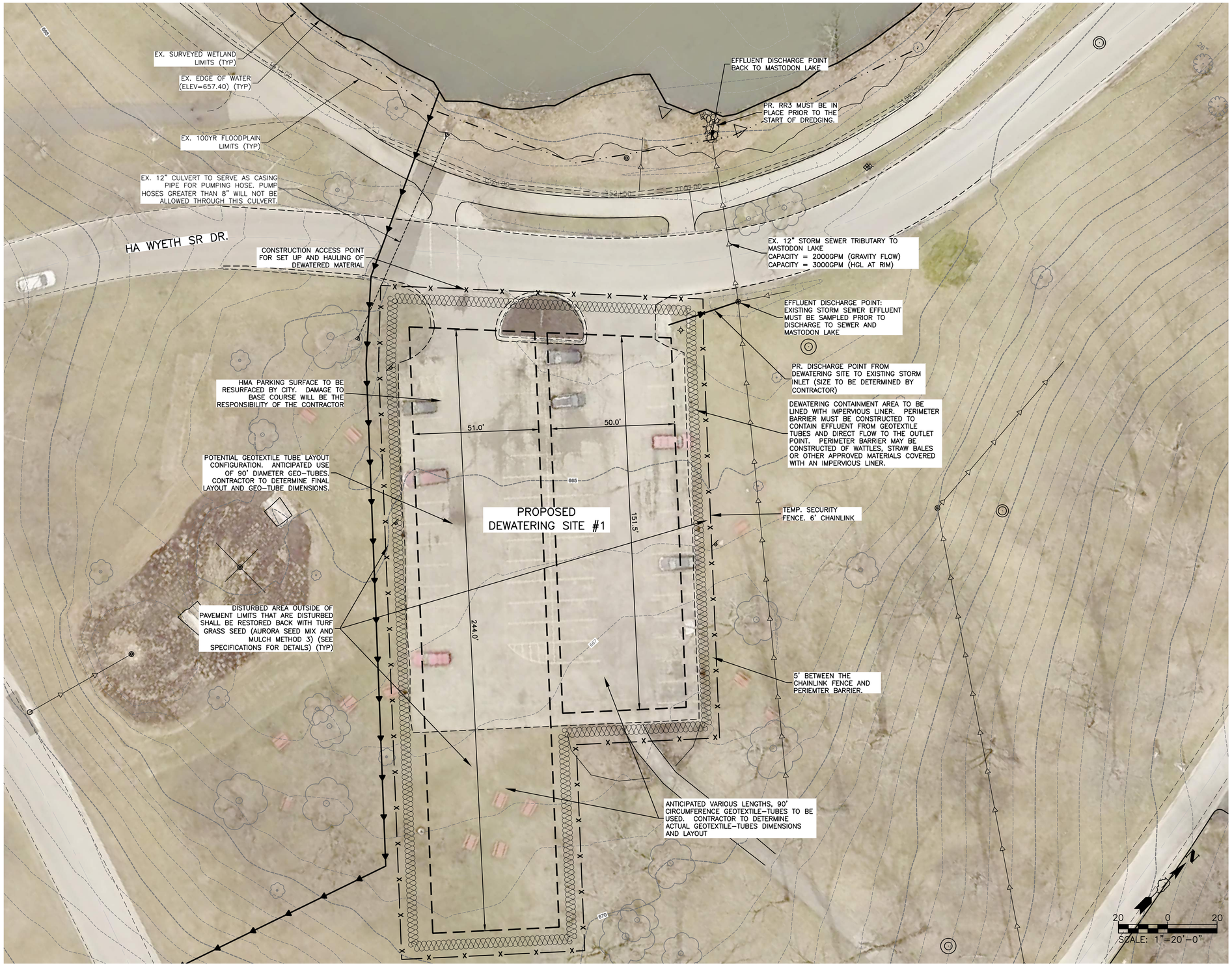
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	09
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

LOCATION MAP



NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- IF THE CONTRACTOR WISHES TO USE A PUMP HOSE GREATER THAN 8" THEN AN ALTERNATIVE METHOD OF CROSSING THE ROAD MUST BE UTILIZED. THE CONTRACTOR MAY INSTALL A TEMPORARY CULVERT OR TEMPORARY RAMP. THE ROAD MUST BE PASSABLE TO VEHICULAR TRAFFIC AT ALL TIMES. ALTERNATIVE MEASURES OF CROSSING THE ROAD ARE TO BE INSTALLED, MAINTAINED AND REMOVED AT THE CONTRACTORS EXPENSE.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS



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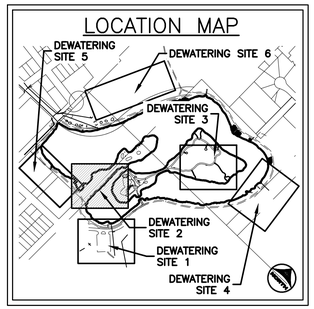
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 1

SCALE: 1"=20' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	10
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

LOCATION MAP



NOTES:

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- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- ALL TREES ARE TO REMAIN.
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS



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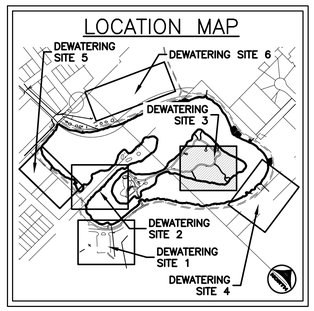
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 2

SCALE: 1"=20' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	11
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- FILL AREAS ON THE ISLAND SHALL BE APPROVED BY THE CITY OR THE ENGINEER. RESTORATION OF FILL AREAS SHALL BE INCIDENTAL AND BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIST OF TURF GRASS SEED AND DS75 EROSION CONTROL BLANKET.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS.



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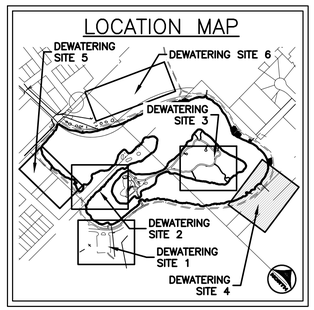
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 3

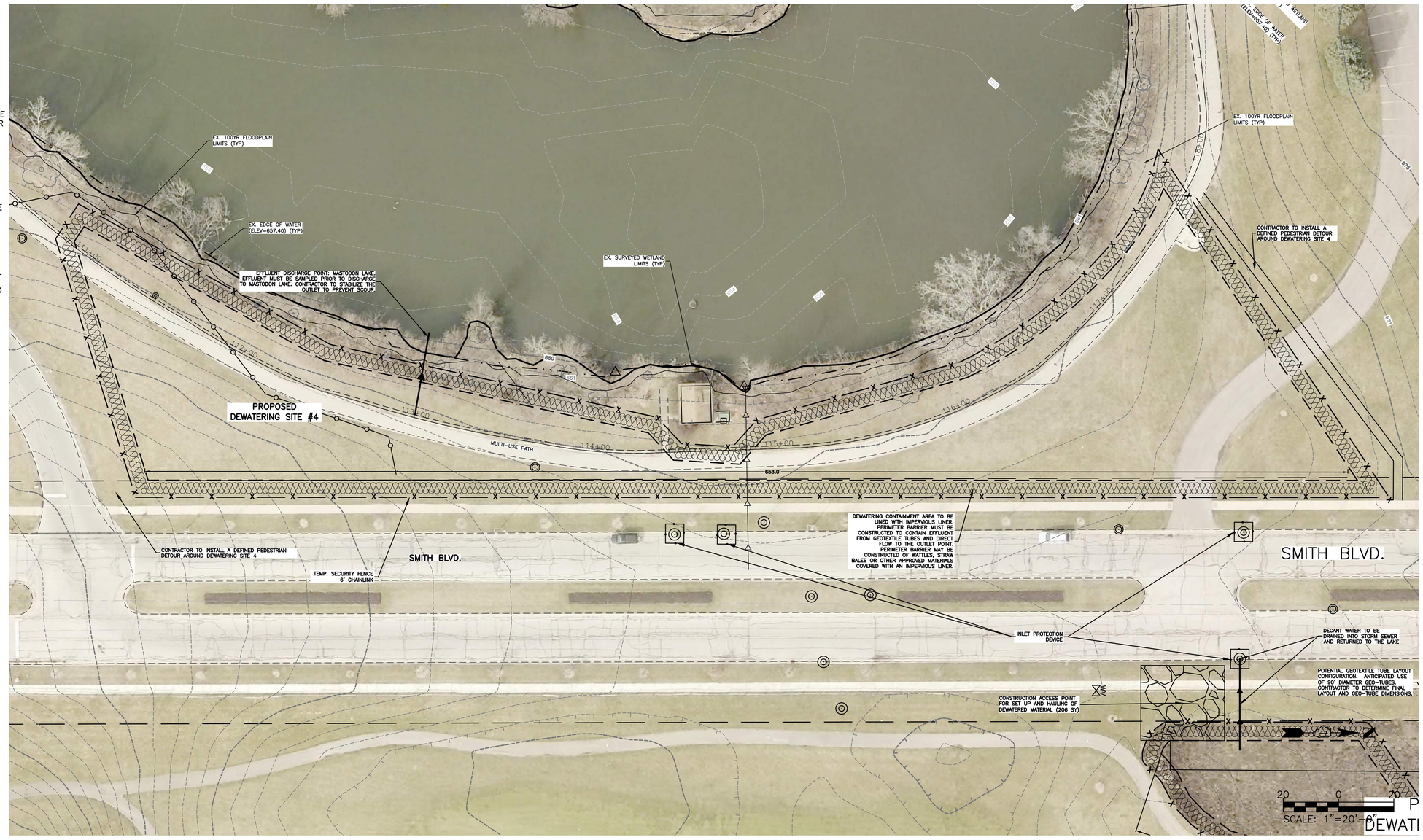
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	12
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NOTES:

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- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- FILL AREAS ON THE ISLAND SHALL BE APPROVED BY THE CITY OR THE ENGINEER. RESTORATION OF FILL AREAS SHALL BE INCIDENTAL AND BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIST OF TURF GRASS SEED AND DS75 EROSION CONTROL BLANKET.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS



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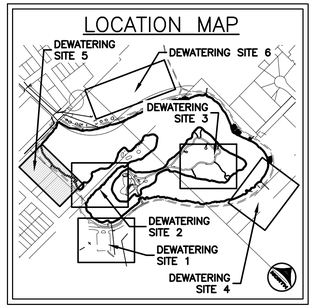
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 4

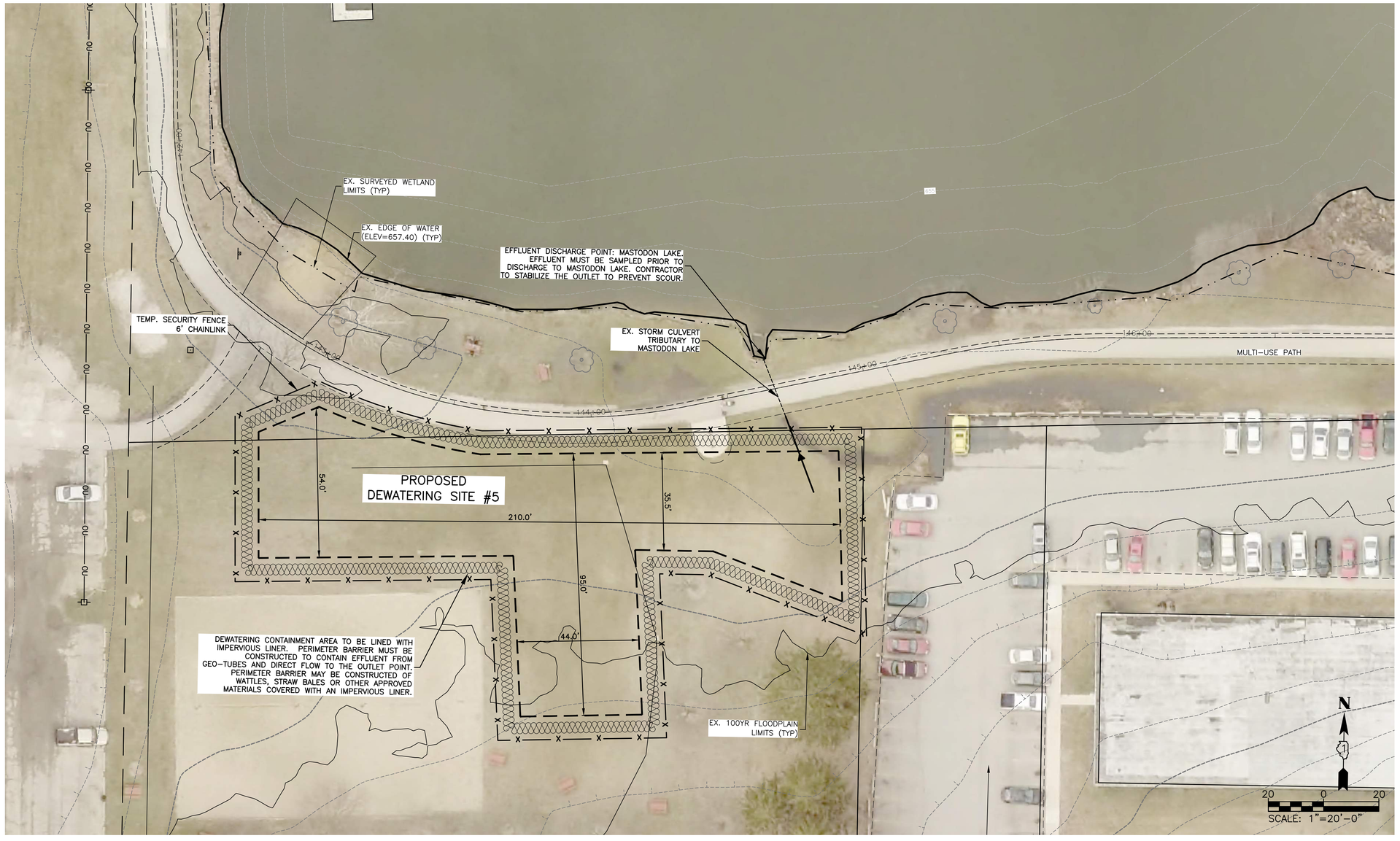
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	13
		CONTRACT NO. ____		
	ILLINOIS	FED. AID PROJECT		



NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
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- FILL AREAS ON THE ISLAND SHALL BE APPROVED BY THE CITY OR THE ENGINEER. RESTORATION OF FILL AREAS SHALL BE INCIDENTAL AND BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIST OF TURF GRASS SEED AND DS75 EROSION CONTROL BLANKET.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS



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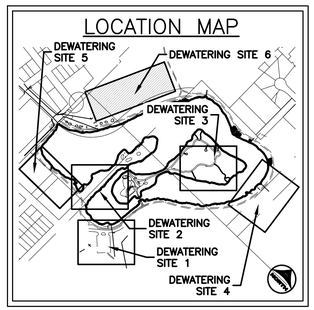
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 5

SCALE: 1"=20' | SHEET NO. 01 OF 01 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	14
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	

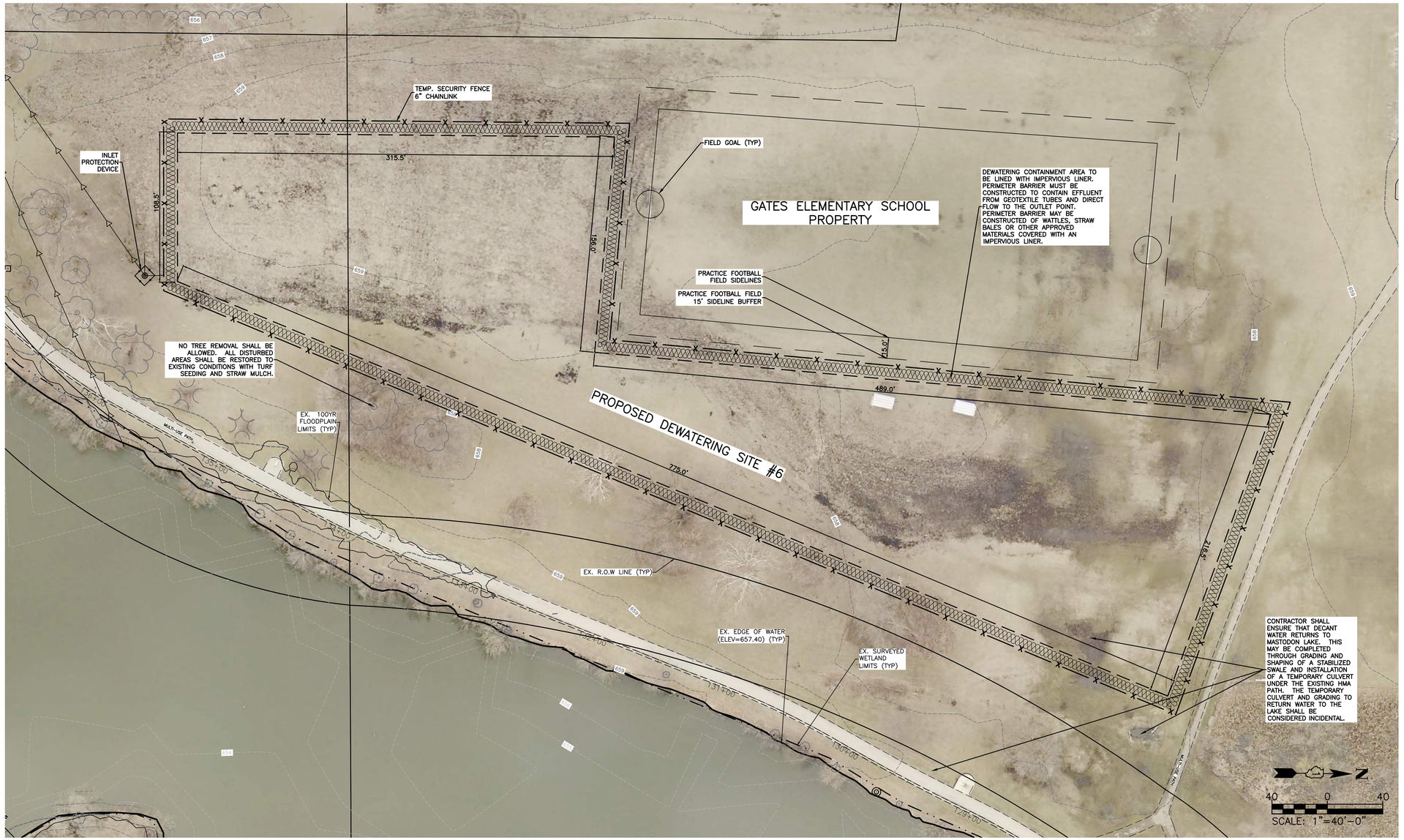


NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- FILL AREAS ON THE ISLAND SHALL BE APPROVED BY THE CITY OR THE ENGINEER. RESTORATION OF FILL AREAS SHALL BE INCIDENTAL AND BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIST OF TURF GRASS SEED AND DS75 EROSION CONTROL BLANKET.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS
- CONTRACTOR MUST MAINTAIN A 15' SEPARATION FROM THE SIDELINE OF THE EXISTING PRACTICE FIELD. NO MATERIALS OR MACHINERY MAY ENTER THE 15' BUFFER OF THE FIELD.

DEWATERING SITE #6 NOTES:

- THE CITY WILL COORDINATE WITH THE ADJACENT PROPERTY OWNER FOR USE OF DEWATERING SITE #6. THE USE OF SITE #6 IS CONTINGENT UPON APPROVAL FROM THE PROPERTY OWNER. THE USE OF THIS PROPERTY IS CURRENTLY NOT GUARANTEED TO THE CONTRACTOR.



COMPANY NAME:
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CLIENT:
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FILE NAME: 191806-Detailed-Dewatering-Plan
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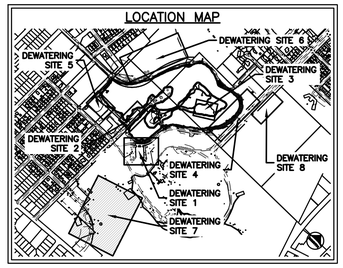
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PLOT DATE = 2/6/2026	DATE –	REVISED –	

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 6

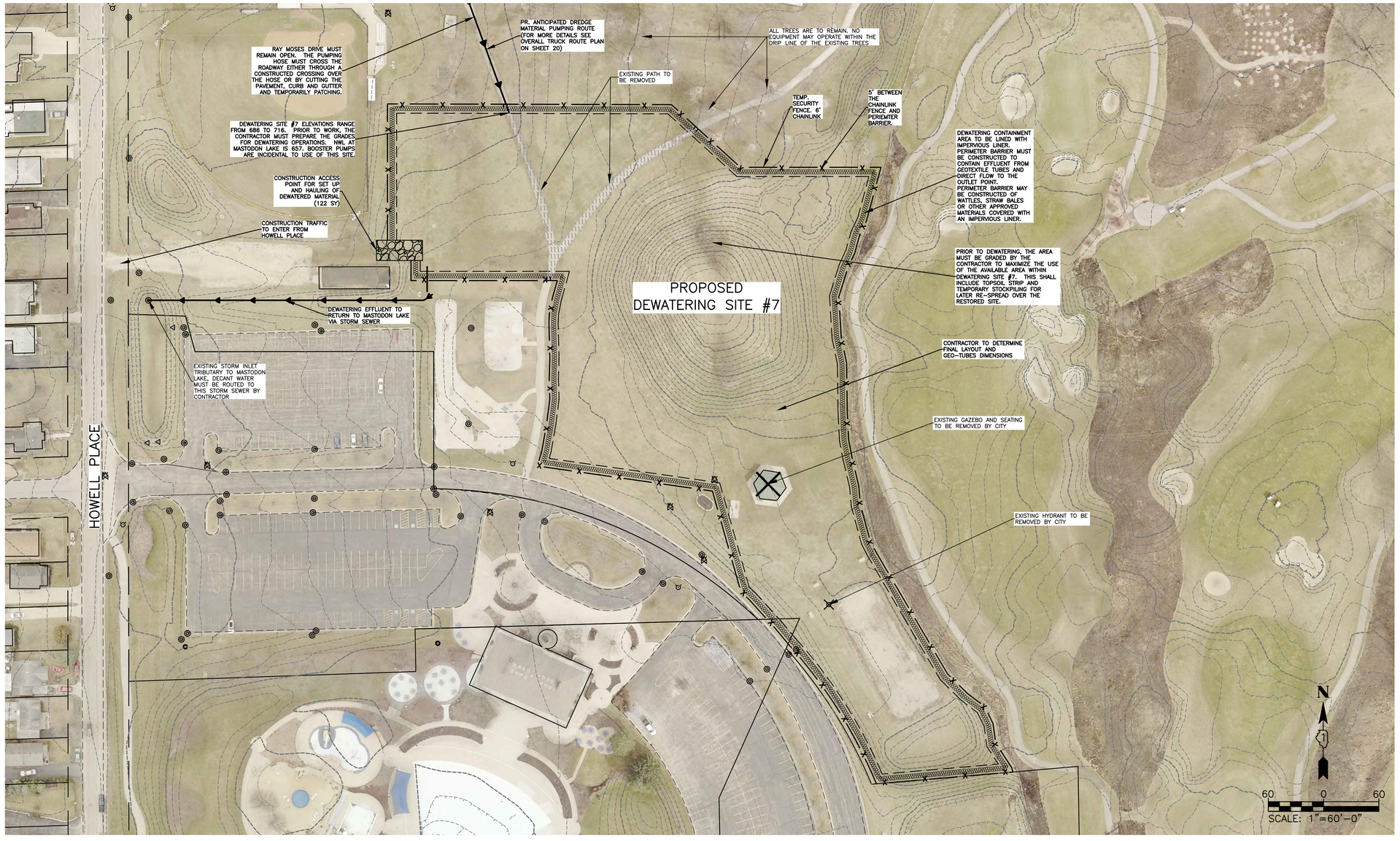
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	15
		CONTRACT NO. _____		
	ILLINOIS FED. AID PROJECT			



NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
- CONTRACTOR TO REVIEW GROUND CONDITIONS FOR SLOPE AND OBSTACLES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GEOTEXTILE TUBES ARE SECURE AND NOT SUSCEPTIBLE TO ROLLING OR RUPTURE. CONTRACTOR SHALL DETERMINE IF SHIMS OR OTHER MEASURES OF SECURING THE GEOTEXTILE TUBES IS WARRANTED.
- DEWATERING AREA TO ALSO BE A PROPOSED STOCKPILE LOCATION. COMPLETE RESTORATION OF STOCKPILE FILL IS OUTLINED IN THE DETAILED STOCKPILE LOCATION MAP FOR THIS RESPECTIVE AREA.
- ALL TREES ARE TO REMAIN. NO EQUIPMENT MAY OPERATE WITHIN THE DRIP LINE OF THE EXISTING TREES.
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND THE DEWATERING LOCATION IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS.
- DEWATERING SITE #7 MUST BE UTILIZED AS THE PRIMARY DEWATERING SITE AND USED TO THE MAXIMUM EXTENT PRACTICABLE BY THE CONTRACTOR. THIS SITE MUST BE PRIORITIZED TO MAXIMIZE THE USE OF THE SPACE AVAILABLE FOR DEWATERING AND REDUCE HAULING OF DEWATERED MATERIALS.



COMPANY NAME:
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FILE NAME: 191806-Detailed-Dewatering-Plan
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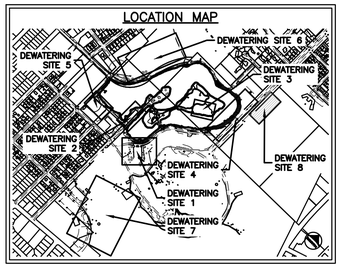
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PLOT DATE = 2/6/2026	DATE –	REVISED –	

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 7

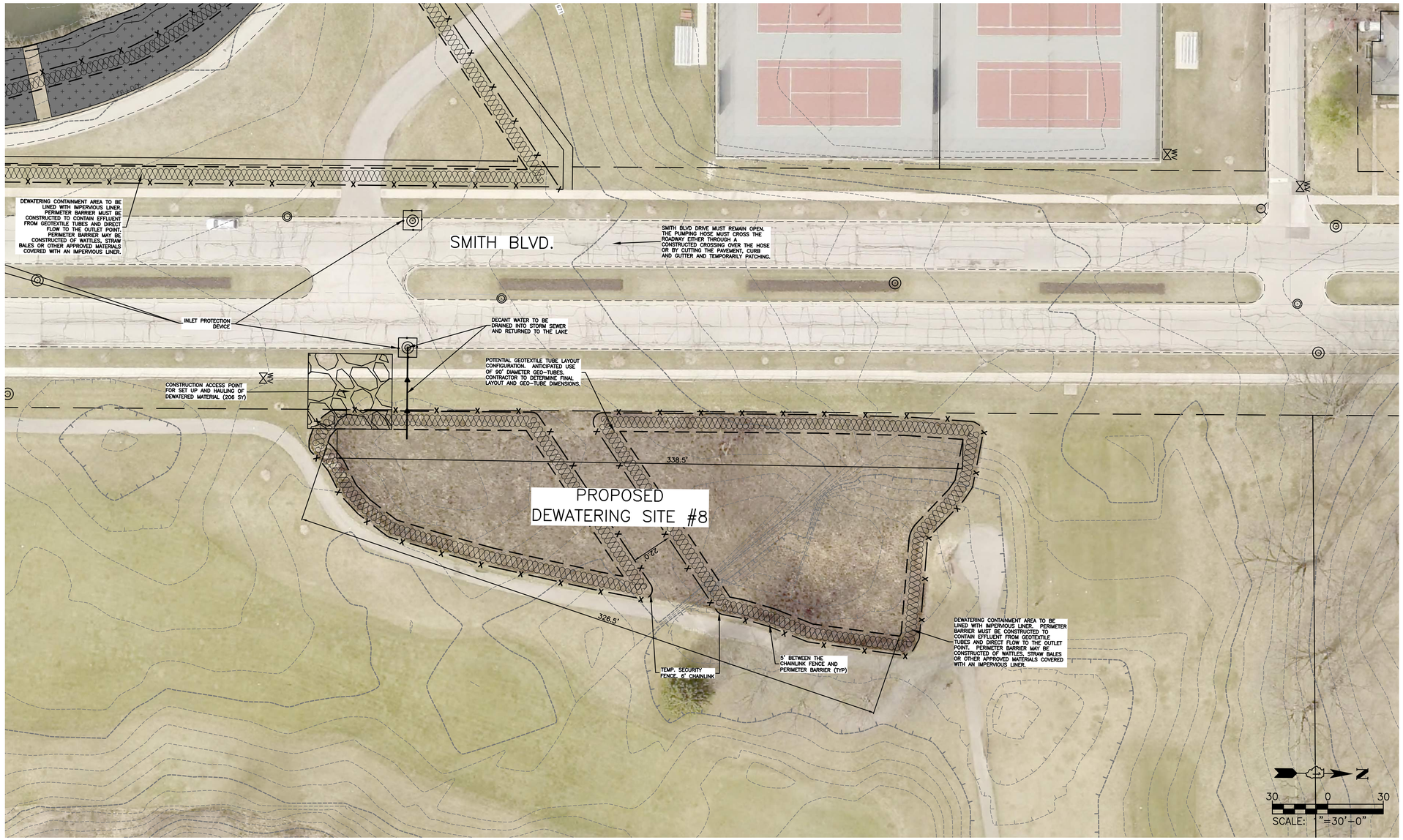
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	16
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NOTES:

- CONTRACTOR TO COMPLETE BENCH TESTING WITH THE SUPERNATE SAMPLES TO DEMONSTRATE THAT A 15MG/L TSS IS BEING MET FOR THE CHOSEN FLOCCULANT AND GEOTEXTILE BAG MATERIAL. DATA MUST BE SUBMITTED TO THE IEPA PRIOR TO USE.
- CONTRACTOR TO PROVIDE MSDS DATA FOR PROPOSED FLOCCULANTS TO THE IEPA AND CITY FOR APPROVAL PRIOR TO USE.
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- FILL AREAS ON THE ISLAND SHALL BE APPROVED BY THE CITY OR THE ENGINEER. RESTORATION OF FILL AREAS SHALL BE INCIDENTAL AND BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIST OF TURF GRASS SEED AND DS75 EROSION CONTROL BLANKET.
- ALL TREES ARE TO REMAIN
- TEMPORARY STABILIZED CONSTRUCTION ACCESS FOR HAULING WILL BE NECESSARY IF TRUCKING OVER UNPAVED AREAS.
- TEMPORARY DITCH CHECKS SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AND/OR SWCD AROUND MASTODON LAKE IN AREAS OF CONCENTRATED RUNOFF FROM STABILIZED AREAS AND CONSTRUCTION ACCESS POINTS



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PLOT DATE = 2/6/2026	DATE –	REVISED –	

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PROPOSED DEWATERING SITE LOCATION 8

SCALE: 1"=30' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	17
		CONTRACT NO. _____		
	ILLINOIS	FED. AID PROJECT		

CONTRACTOR TO PLACE SIGN "TRUCKS ENTERING AND LEAVING ROADWAY"

TEMP. CONSTRUCTION ACCESS (122 SY)

PR. ACCESS GATE

PR. AURORA MIX SEED (SEEDING, EROSION CONTROL BLANKET, S75–BN), 0.92 AC, 4,484 SY

PROPOSED/PERMANENT SEDIMENT STOCKPILE LOCATION (SLED HILL) VARIABLE SIDE SLOPES (3:1, 4:1, 8:1) (30,000 CY)

PR. AURORA MIX SEED (SEEDING, EROSION CONTROL BLANKET, S75–BN), 0.22 AC, 1,071 SY

PR. NATIVE GRASS SEED (SEEDING, CL 4A AND EROSION CONTROL BLANKET, S75–BN), 2.28 AC, 11,043 SY

PR. AURORA MIX SEED (SEEDING, EROSION CONTROL BLANKET, S75–BN), 0.21 AC, 1,012 SY

PR. SLEDDING HILL (5 ZONES),
1) CONTROLLED START ZONE; L=50FT, H=1.5FT
2) ACCELERATION ZONE; L=60FT, H=10FT
3) GLIDE ZONE; L=40FT, H=7FT
4) TRANSITION ZONE; L=200FT, H=4FT
5) RUN–OUT ZONE; L=200FT, H=2.5FT

LANDING ZONE ELEV. (TOP OF SLED HILL) = 725.00
LONGITUDINAL SLOPES (33:1, 6:1, 5.5:1, 50:1, 80:1)

PR. PERIMETER EROSION CONTROL BARRIER (TYP)

PR. AURORA MIX SEED (SEEDING, EROSION CONTROL BLANKET, S75–BN), 0.95 AC, 4,609 SY

HOWELL PLACE

RESTORATION LEGEND:

(PS) INDICATES TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)(SEE SPECIFICATIONS)

(PS) INDICATES NATIVE GRASS SEED (SEEDING, CL 4A MIX AND EROSION CONTROL BLANKET, S75–BN)

N

40 0 40
SCALE: 1"=40'–0"

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:24 PM
FILE NAME: 191806-Detailed-Stockpile-Grading-Sled-Hill-Golf-Course
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

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PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

DETAILED STOCKPILE LOCATION PLAN - SLED HILL

SCALE: 1"=40' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	18
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	

PROPOSED/PERMANENT SEDIMENT STOCKPILE LOCATION (GOLF COURSE) SIDE SLOPES (APPROX. 8:1, 4:1, 3:1)
NORTH STOCKPILE = 4,000 CY,
SOUTH STOCKPILE = 1,500 CY;
= TOTAL 5,500 CY

PR. NATIVE GRASS SEED (SEEDING, CL 4A AND EROSION CONTROL BLANKET, S75–BN), 0.45 AC, 2,178 SY

PR. PERIMETER EROSION CONTROL BARRIER (TYP)

PR. NATIVE GRASS SEED (SEEDING, CL 4A AND EROSION CONTROL BLANKET, S75–BN), 0.27 AC, 1,307 SY

EX. FMWRD 18" INTERCEPTOR SEWER PIPE

TEMP. CONSTRUCTION ACCESS (122 SY)

CONTRACTOR TO PLACE SIGN "TRUCKS ENTERING AND LEAVING ROADWAY"

SMITH BLVD.

RESTORATION LEGEND:

PS — INDICATES TURF GRASS SEED (AURORA SEED MIX AND MULCH METHOD 3)(SEE SPECIFICATIONS)

PS — INDICATES NATIVE GRASS SEED (SEEDING, CL 4A MIX AND EROSION CONTROL BLANKET, S75–BN)

N

30 0 30
SCALE: 1"=30'–0"

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:24 PM
FILE NAME: 191806-Detailed-Stockpile-Grading-Sled-Hill-Golf-Course DWG To PDF.pc3
PLOT DRAWER:
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PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

DETAILED STOCKPILE LOCATION PLAN - GOLF COURSE

SCALE: 1"=30' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	19
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



COMPANY NAME:
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PLOT DATE = 2/6/2026	DATE –	REVISED –	

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

OVERALL PROPOSED TRUCK ROUTING PLAN

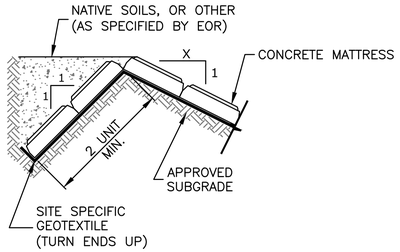
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	20
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PRECAST BLOCK REVETMENT MAT DETAIL

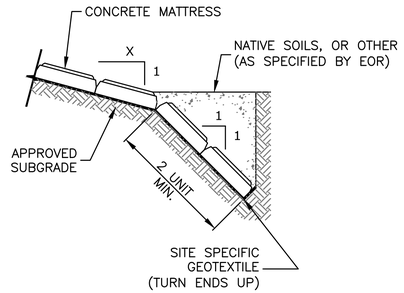
BLOCKS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS

- AREAS FOR MAT TO BE INSTALLED
  1. PROPOSED CANOE LAUNCH
  2. CAUSEWAY



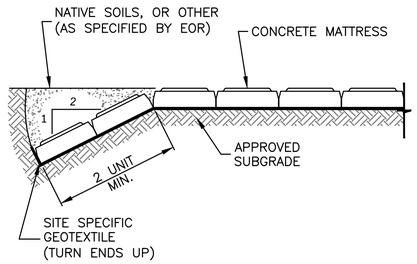
TOP TERMINATION

N.T.S.



TOE TERMINATION

N.T.S.



FLANK TERMINATION

N.T.S.



EXAMPLE PHOTO – FLEXAMAT

COMPANY NAME:
PROJECT CONTACT:
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DATE PLOTTED: 2/6/2026 3:25 PM
FILE NAME: 191806-Typical_Sections
PLOT DRIVER: DWG to PDF.pc3
PEN TABLE: SEC-Standard.ctb

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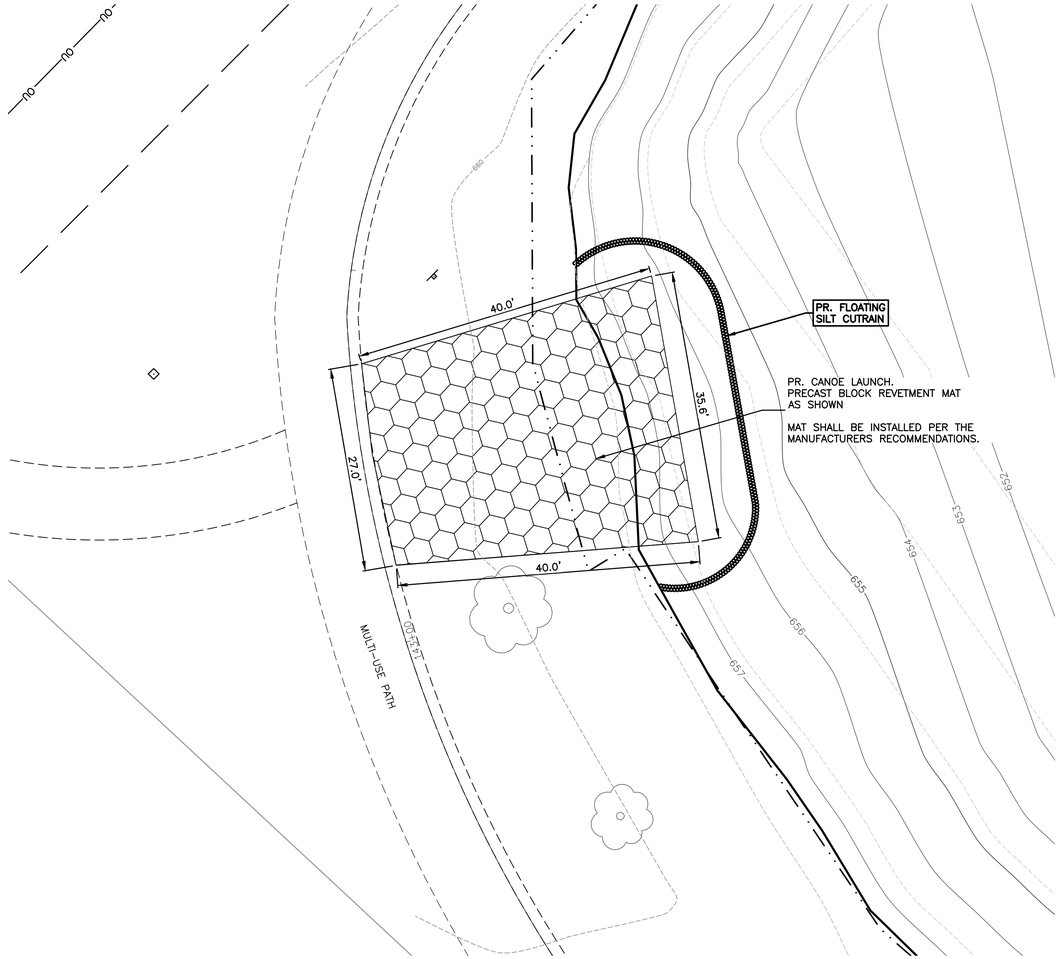
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

PRECAST BLOCK REVETMENT MAT PLAN

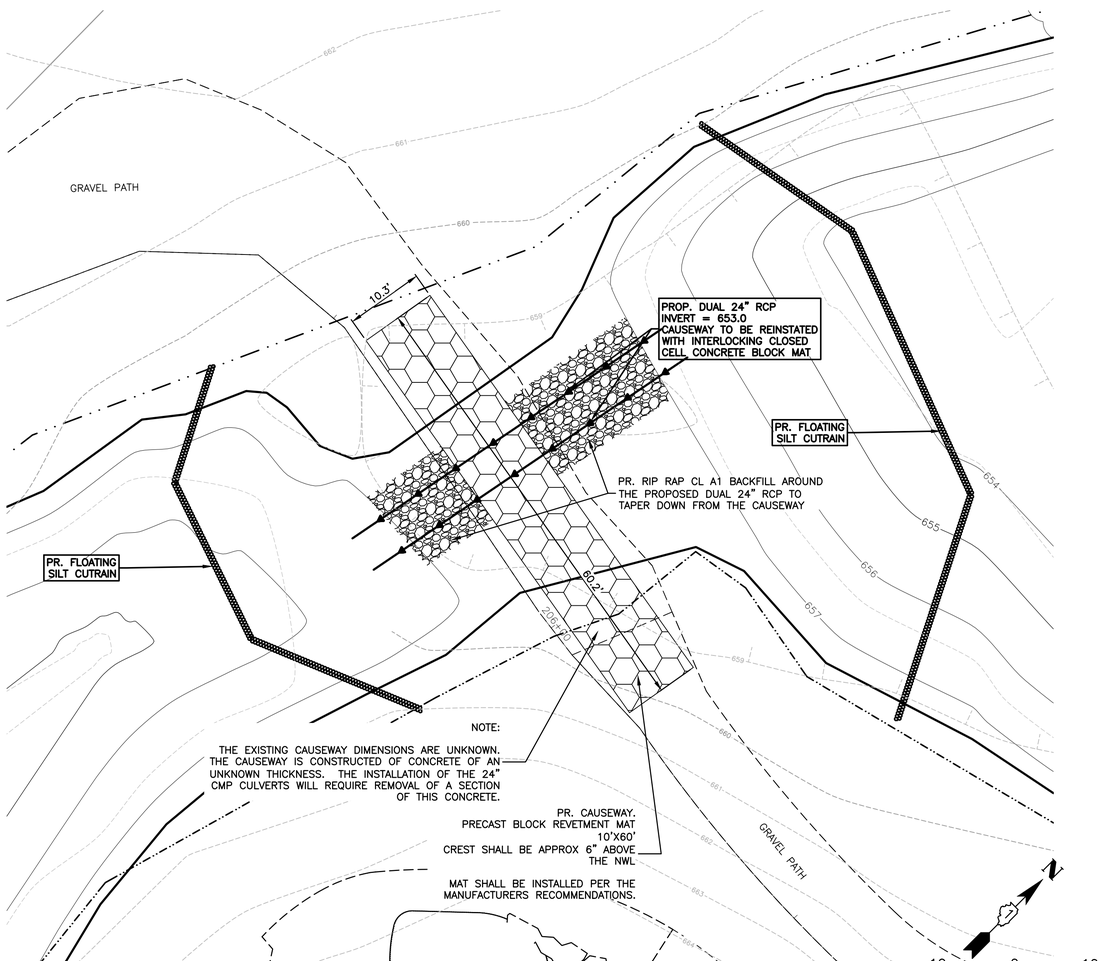
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	21
		CONTRACT NO. _____		
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1 – CANOE LAUNCH DETAILED PLAN



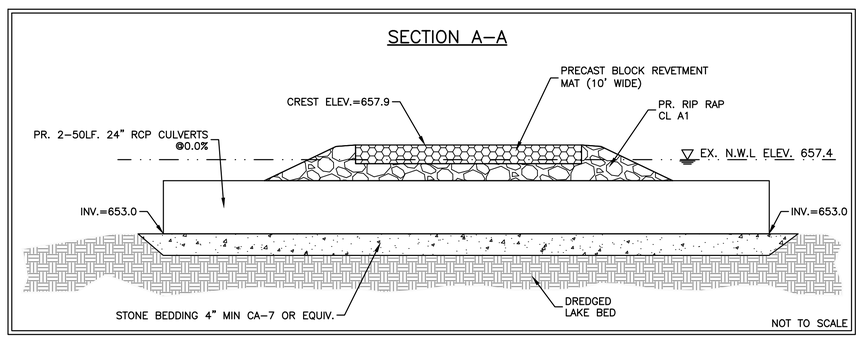
2 – CAUSEWAY DETAILED PLAN



LOCATION MAP



SECTION A–A



COMPANY NAME:
PROJECT CONTACT:
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FILE NAME: 191806–Detailed–Canoe–Plan
PLOT DRIVER: DWG To PDF.pc3
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CITY OF AURORA
MASTODON LAKE DREDGING AND SHORELINE RESTORATION PROJECT

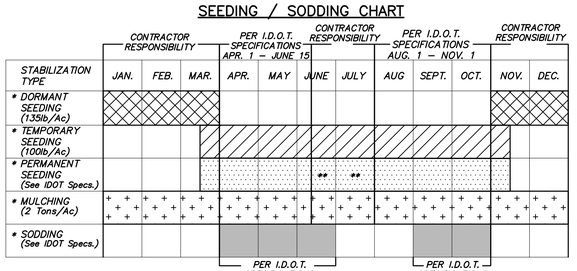
CANOE LAUNCH AND CAUSEWAY DETAIL

SCALE: 1"=40' | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	32	22
		CONTRACT NO. _____		
	ILLINOIS	FED. AID PROJECT		

CONTROL MEASURE GROUP	CONTROL MEASURE	KEY	APPL.	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMNT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	TS	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	PS	X	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		X
	DORMANT SEEDING	DS	X	SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.	X	
	SODDING	SO		QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	GROUND COVER	GC	X	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		X
	RAIN GARDEN	RG		PROVIDES A TYPE OF FUNCTIONAL LANDSCAPING FEATURE DESIGNED TO CONTROL STORMWATER RUNOFF. SEE LANDSCAPING PLANS FOR DETAILS		
NON VEGETATIVE SOIL COVER	MULCHING	M	X	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	
	AGGREGATE COVER	AG		PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING	P	X	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		X
	EROSION BLANKET	EB	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.	X	
DIVERSIONS	RIDGE DIVERSION	RD		TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION	CD		TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION	CBD		TYPICALLY USED ANYWHERE ONA SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER	CG		SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
	BENCHES	B		SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
WATERWAYS	BARE CHANNEL	BC	X	PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		X
	VEGETATIVE CHANNEL	VC	X	PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		X
	LINED CHANNEL	LC	X	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		X
	DITCH CHECKS	DC	X	PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER	X	
ENCLOSED DRAINAGE	STORM SEWER	ST	X	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		X
	UNDERDRAIN	UD		USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.		
SPILLWAYS	STRAIGHT PIPE SPILLWAY	SS		USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER		
	DROP INLET PIPE SPILLWAY	DIS		SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR SPILLWAY	W		USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY	BS		SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON	LA		PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
	STONE RIP RAP	RR	X	USED AS AN ENERGY DISSAPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES		X
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN	ES		USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.		
	EXCAVATED SEDIMENT BASIN	XS		USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.		
	COMBINATION SEDIMENT BASIN	SB	X	USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		X
SEDIMENT FILTERS	BARRIER FILTER (SILT FENCE)	BF	X	A TEMPORARY BARRIER OF ENTRENCHED GEOTEXTILE FABRIC (FILTER FABRIC) STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL.	X	
	VEGETATIVE FILTER	VF		USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	INLET PROTECTION	IP	X	USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER	X	
	FILTER BASKET	FB	X	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER	X	
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE	SE	X	A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	
	CONSTRUCTION ROAD STABILIZATION	CRS		THE STABILIZATION OF TEMPORARY CONSTRUCTION ACCESS ROUTES, SUBDIVISION ROADS, ON-SITE VEHICLE TRANSPORTATION ROUTES, AND CONSTRUCTION PARKING AREAS WITH STONE IMMEDIATELY AFTER GRADING TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	DUST AND TRAFFIC CONTROL	DT	X	CONTROL OF DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS	X	
MISC.	EXPLORATORY TRENCH	ET		EXPLORATORY TRENCH EXCAVATION FOR EXISTING UTILITIES		
	CONCRETE WASHOUT	WO		PREVENTS THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE IN A DESIGNATED WASHOUT AREA (CONCRETE WASHOUT BMP)		

SEEDING / SODDING CHART



* SEE I.D.O.T SPECIFICATIONS FOR INSTALLATION AND APPLICATION REQUIREMENTS

** SUPPLEMENTAL WATERING MAYBE REQUIRED. (SEE I.D.O.T. SPECIFICATIONS FOR REQUIREMENTS)

EROSION CONTROL NOTES:

- No land disturbing activities shall not commence until approval to do so has been received by governing authorities, in addition to, no land clearing or grading shall begin until all perimeter erosion and sediment control measures have been installed.
- (including storm water pollution prevention plan per the development criteria.)
- The general contractor shall strictly adhere to the storm water pollution prevention plan (SWPPP) during construction operations.
- All topsoil shall be stripped prior to filling
- All exposed areas shall be seeded as specified within 14 days of final grading.
- Should construction stop for longer than 14 days, the site shall be temp. seeded.
- Sediment and erosion control measures shall be inspected at least once every seven (7) days and within 24 hours of a rainfall exceeding 0.5 inches during a 24–hour period or more frequently if required by governing NPDES general permit. All maintenance required by inspection shall commence within 24 hours and be completed within 48 hours of report.
- This plan shall not be considered all inclusive as the general contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- General contractor shall comply with all state and local ordinances that apply.
- Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection.
- If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be covered with filter fabric.
- General contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- All sedimentation and erosion control regulations shall be adhered to per the City of Aurora's standards.
- All erosion and sediment control practices shall be maintained and repaired as needed to ensure effective performance of the required erosion control measures.
- All erosion and sediment control work shall conform to the I.D.O.T. Manual for, standards and procedures for erosion control.
- All construction will adhere to the requirements set forth in the IEPA's new construction site activities national pollutant discharge elimination system (npdes) storm water permit.
- All roadways shall be cleaned at the end of each construction day.
- All disturbed areas shall be stabilized within 7 days of active disturbance.
- All erosion control measures shall be disposed of within 30 days of final stabilization of the site.
- Ground cover for 5:1 slopes or greater shall be established as soon as possible.
- All disturbed areas to to restored w/ 4" topsoil respread & seeding/sodding unless otherwise noted on plans
- Silt filter fabric shall be placed between frame and grate until vegetation is established. (see detail)
- Utilize excelsior blanket on all slopes of 5:1 or greater.
- *Seeding per I.D.O.T. Manual, section 251,standard specifications for road and bridge construction, (latest edition) see plans for seed and blanket requirements.
- *Mulch/hydroseed per I.D.O.T. Manual, section 251, standard specifications for road and bridge construction, (latest edition
- *Mulch/hydroseed method 3 shall be used in all turf grass areas.
- No dimensions shall be assumed by scaling.
- No known drain tiles are present on the proposed development, if tiles are encountered during construction please notify the engineer immediately.
- Part of the proposed project is located within a flood hazard 10–100yr area a flood hazard area
- Excess material shall be placed at specified location unless otherwise specified by owner and approved by engineer for use of lot grading. Stockpiles shall be surrounded with filter fence and shall be seeded per I.D.O.T. Manual (latest addition) (temporary) if left more than 14 working days.
- General contractor shall notify all utility companies having underground utilities on site or in right–of–way prior to excavation. Contractor shall contact utility locating company and locate all utilities prior to grading start.
- Stockpiles of soil and other fill areas to remain in place for more than three days shall be furnished with erosion and sediment control measures (i.e. perimeter silt fence).
- Temporary erosion control may be required during hauling and shall be installed per the direction of the engineer and/or SWCD.

PHASING NOTES:

SEQUENCE OF MAJOR ACTIVITIES – AS APPLICABLE TO PROJECT

The Contractor will be responsible for implementing the following erosion control and storm water management control measures. The Contractor may designate these tasks to certain subcontractors as he or she sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the Contractor. The order of activities will be as follows (refer to the Erosion and Sediment Control Plan Sheet contained in this SWPPP for details and refer to the Suggested Phasing Plan in the design drawings for construction sequencing):

A. A pre–construction meeting shall be held by the Site Project Manager, and the Operator's Engineer prior to land disturbing activities.
B. Prior to disturbing the site install temporary ditch checks, perimeter silt fences and inlet protection to existing storm infrastructure in the locations shown on the Plan sheets.
C. Implement erosion control measures around the culverts and channels to prevent sedimentation from infiltrating into the storm water system.
D. Begin clearing and grubbing operations if applicable. Clearing and grubbing shall be done only in areas where grading and shaping or riprap placement will be performed.
E. Commence work shown on the plans.
F. Disturbed areas of the site where Construction Activity has ceased for more than 7 days shall be temporarily seeded and watered.
G. Install inlet / outlet protection around the constructed culverts and riprap aprons to prevent sedimentation from infiltrating into the culverts and aprons as shown on the Plan sheets.
H. Temporary seed all fill slopes around perimeter of project. (if applicable).
I. Carry out final final grading bank stabilization measures with seeding and rolled erosion control products where shown on the Plan sheets.
J. Remove silt fencing and ditch checks only after all surfaces at are at least 70% growth of permanent seedings are stabilized.
K. Remove inlet protection around culverts, inlets and manholes when surfaces are stabilized.
L. Remove temporary construction exits

FAILURE TO COMPLY:

In the event a notice of violation is issued on this project, any and all fines will be the sole responsibility of the contractor. The owner, owner's representative, or other owner's agents will not participate in any payment or reimbursement for fines and will not authorize time extensions due to delays in project progress for work stoppage required to remedy the violations.

SPECIFICATIONS AND GENERAL NOTES:

NOTES:

This plan has been prepared to comply with the provisions of the NPDES Permit Number issued by the Illinois Environmental Protection Agency for Stormwater Discharges from Construction Site Activities.

1. Site Description.

a. The Overall project area is tributary to the Fox River.

b. The following is a description of the construction activity which is the subject of this plan:
The proposed improvements consists of construction of Hydraulic dredging, dewatering of dredged materials, shoreline stabilization, earthwork, HMA patching, installation of electrical services for aquatic mixing and landscaping with native vegetation. The construction activities for site improvements will include: site clearing, grubbing, mass grading, pavement construction, installation of utilities including storm sewers, soil erosion and sedimentation control measures, as a minimum.

c. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site such as grubbing, excavation, and grading:

The sequence of the construction activities may be as follows:
See Sequence of major activities on this sheet.

d. The total area of the construction site is estimated to be 2.1± acres.

The total area if the site that is estimated to be disturbed by excavation, grading, or other activities, is 2.1± acres.

2. Controls.

This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b above. For each measure discussed, the contractors will be responsible for its implementation as indicated. Each such contractor has signed the required certification on forms which are attached to, and are a part of, this plan.

a. Erosion and Sediment Controls.

(i) STABILIZATION PRACTICES. Provided below is a description of interim and permanent stabilization practices, including site–specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Except as provided in 2.a. (i) (A) and 2.b. stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portions of the site where construction activity will not occur for a period of 21 or more calendar days.

(A) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

The following interim and permanent stabilization practices, as a minimum will be implemented to stabilize the disturbed area of the site:

1 Temporary Seeding
2 Permanent seeding
3 Erosion Blanket
4 Barrier filter
5 Inlet protection
6 Outlet protection
7 Vegetative filter
8 Stabilized construction entrance
9 Dust & Traffic Control

(ii) STRUCTURAL PRACTICES. Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1. Storm sewer system
2. Vegetated drainage swales
3. Permanent seeding
4. Outlet protection
5. Filter fabric
6. Inlet protection

b. Erosion Control. It shall be the Contractor's responsibility to provide adequate erosion control on the job site. The following erosion control sequence shall be adhered to:

See Sequence of major activities on this sheet.

Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor, on a weekly basis, until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor, at the Contractor's expense.

The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for cleanup of paved surfaces within and adjacent to the project.

All erosion control practices shall be in compliance with the latest revision of the "Standard Specifications for Road and Bridge Construction," by the Illinois Department of Transportation and with "Standards and Specifications for Soil Erosion and Sedimentation Control" as published by the Illinois Environmental Protection Agency.

If a topsoil stockpile location is provided and approved by the County, Contractor shall establish erosion control measures for the stockpile if it is to remain in place for more than three days. In addition, barrier filter fence shall enclose topsoil stockpile location with exception of truck access during construction hours.

c. Stormwater Management.

(i) Provided below is a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The practices selected for implantation were determined on the basis of the technical guidance contained in IEPA's Standard Specifications for Soil Erosion and Sedimentation Control, and other ordinances listed in the Specifications.

The stormwater pollutant control measures shall include:

1. Silt filter fence
2. Drainage swales
3. Storm sewers
4. Rip–rap outlet protection
5. Straw bale inlet protection
6. Retention/Detention ponds

(ii) Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non–erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Stormwater Management Control includes
1 Stone Riprap
2 Filter Fabric
3 Vegetative channels.
4 Outlet protection using Gabion mattress.
5 Inlet protection.

3. Other Controls.

(i) Waste Disposal. The solid waste materials including trash, construction debris, excess construction materials, machinery, tools and other items will be collected and disposed off–site by the contractor. The contractor is responsible to acquire any permit required for such disposal. Burning on the site will not be permitted. No solid materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.

(ii) The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

The sanitary sewage will be discharged to the proposed sanitary sewer constructed per IEPA and local standards.

a. Approved State or Local Plans.

The management practices, controls and other provisions contained in this plan are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Standards and Specifications for Soil and Erosion and Sediment Control (Latest revision), Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Plan, and the Municipal Subdivision Ordinance. Requirements specified in sediment and erosion control site plans or site permits or stormwater management or site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

b. Maintenance.

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan and Standard Specifications.

Stabilized construction entrance: The entrance shall be maintained to prevent tracking of sediment onto public streets. This will be done by top dressing with additional stones, remove and replace top layer of stones or washing the entrance. The sediment washed on the public right–of–way will be removed immediately.

Vegetative erosion control measures: The vegetative growth of temporary and permanent seeding, sodding, vegetative channels, vegetative filter, etc. shall be maintained periodically and supply adequate watering and fertilizer. The vegetative cover shall be removed and reseeded as necessary.

Silt filter fence: The damaged silt filter fence shall be restored to meet the standards or removed and replaced as needed.

Rip–rap outlet protection: It shall be inspected after high flows for any scour beneath the Rip–rap or for stones that have been dislodged. It shall be repaired immediately.
Inlet Protection: Shall be inspected and emptied of silt if filled as required.

Disturbed areas shall be stabilized with temporary or permanent measures within 7 calendar days following the end of active disturbance, or redisturbance, consistent with the following criteria:

(i) Appropriate temporary or permanent stabilization measures shall include seeding, mulching, sodding, and/or non–vegetative measures.
(ii) Areas having slopes greater than 12 percent shall be stabilized with sod, mat, or blanket in combination with seeding or equivalent.
(iii) areas to be seeded with turf grass shall be stabilized with Mulch Method 3. No blankets shall be applied within turf grass areas.

Soil storage piles containing more than 10 cu. yds. of material shall not be located with a downslope drainage length less than 25 feet to a roadway or drainage channel. Filter barriers, including straw bales, filter fence, or equivalent, shall be installed immediately on the down slope of the piles.

4. Inspections.

The Owner, or Owner's representative shall provide qualified personnel to inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures and location where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off–site sediment tracking.

b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution prevention measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.

c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this stormwater pollution prevention plan and actions taken in accordance with section 4.b. shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI.G of the general permit.

d. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file on "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794–9276

5. Non–Stormwater Discharges.
Except for flows from fire fighting activities, sources of non–stormwater that may be combined with stormwater discharges associated with the industrial activity addressed in this plan, are described below:

a. Water main flushing
b. Fire hydrant flushing
c. Watering for dust control
d. Irrigation drainage for vegetative growth for seeding, etc..

The pollution prevention measures, as described below, will be implemented for non–stormwater components of the discharge:

The fire hydrant and water main shall not be flushed directly on the exposed area of sub grade of the pavement. Hoses shall be used to direct the flow into the storm sewer system, if available.

The erosion due to irrigation of seeding shall be considered minor.

Contractor to provide the above non–stormwater discharged control to the standard specification required by the City or the approved equal.

6. Monitoring and Management Plan
A three–year maintenance and monitoring plan is required after installation of native landscaping.
See Project Specifications for details.

CONTRACTOR'S AND SUBCONTRACTOR'S CERTIFICATE

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

CONTRACTOR'S PRINTED NAME AND SIGNATURE — CERTIFICATION DATE

CONTRACTOR TITLE — TELEPHONE NUMBER

CONTRACTOR COMPANY NAME AND ADDRESS

SUBCONTRACTOR'S NAME AND SIGNATURE — CERTIFICATION DATE

SUBCONTRACTOR'S TITLE — TELEPHONE NUMBER

SUBCONTRACTOR'S COMPANY NAME AND ADDRESS

SITE ADDRESS

IEPA: ILR10 PERMIT #_____

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806–Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC–Standard.ctb

HRGreen
HRGreen.com
Illinois Professional Design Firm #184.001322

USER NAME = KJENKINS	DESIGNED – LRG	REVISED –
FILE NAME = 191806–Details	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

EROSION CONTROL SPECIFICATIONS AND NOTES

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	23
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	

UNITED STATES ARMY CORPS OF ENGINEERS NOTES:

1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON–ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE–FABRICATED RIGID COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC–LINED BASINS. 1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO–FLOW CONDITIONS.

2. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.

3. WATER SHALL BE ISOLATED FROM THE IN–STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON–ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.

4. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CAN NOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

5. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE.THE BYPASS DISCHARGE SHALL BE PLACED ON A NON–ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT–LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.

6. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS.WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE–INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

7. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRE–CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

CITY STORMWATER PERMIT REQUIREMENTS:

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PREFORMED.

- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

- NATIVE SEED MIXTURES SHALL INCLUDE RAPID–GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

- DISTURBANCE OF STEEPS SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.

- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

- THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY.

- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER.

- MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORM WATER.

- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL

- CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION–SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT–OF–WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

- DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORM WATER MANAGEMENT SYSTEM.

- ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.

- DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

- IN BUFFERS AND WETLANDS, THE EXCAVATED AREAS SHALL BE BACKFILLED WITH NATIVE SOIL IN THE SAME STRATIFICATION IN WHICH THE SOIL WAS REMOVED.

- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENTATION CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL PRACTICES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION PRACTICES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

STANDARD NOTES:

A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.

B) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

C) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.

D) ALL DEWATERING OPERATIONS MUST FOLLOW THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 813. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

E) IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB–CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

F) BACKUP PRACTICES AND HIGHLIGHTED QUANTITIES OF BEST MANAGEMENT PRACTICES (BMPS) OUTLINED IN THIS PLAN SHALL BE KEPT ON–SITE TO IMPLEMENT IMMEDIATE CORRECTIVE ACTIONS FOLLOWING ANY INSTANCE OF NON–COMPLIANCE.

G) THE LOCAL WEATHER PROJECTIONS WILL BE CONSIDERED WHEN IMPLEMENTING THE WEEKLY CONSTRUCTION PLANS.

H) ALL TRAFFIC GOING IN AND OUT OF THE CONSTRUCTION SITE SHALL BE RESTRICTED TO STABILIZED CONSTRUCTION ENTRANCES.

I) ANY INLET FOUND WITHIN 50' OF A CONSTRUCTION ENTRANCE SHALL HAVE PROTECTION MECHANISMS IN PLACE.

J) ALL DISTURBED GROUND DIRECTLY UPLAND OF JURISDICTIONAL AREAS SHALL RECEIVE ADEQUATE PROTECTION MEASURES AT THE CONCLUSION OF EACH WORK DAY.

K) ALL DEWATERING OPERATIONS SHALL, AT MINIMUM, FOLLOW ILLINOIS URBAN MANUAL PRACTICE STANDARD 813.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806–Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC–Standard.ctb

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USER NAME = KJENKINS	DESIGNED – LRG	REVISED –
FILE NAME = 191806–Details	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

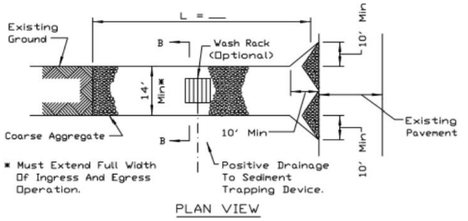
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

EROSION CONTROL NOTES

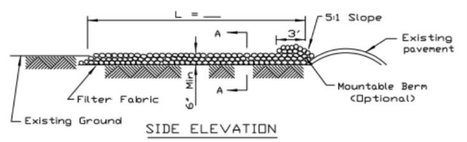
SCALE: N.T.S. | SHEET NO. 01 OF 04 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	24
		CONTRACT NO. _____		
	ILLINOIS	FED. AID PROJECT		

(SE) STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

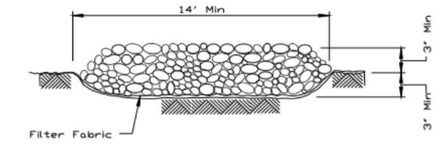
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE
Project
Designed Date
Checked Date
Approved Date

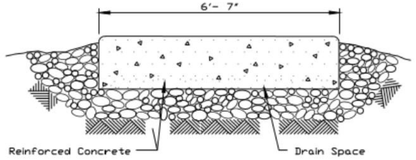
NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 1 OF 2
DATE 8-18-94

(SE) STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



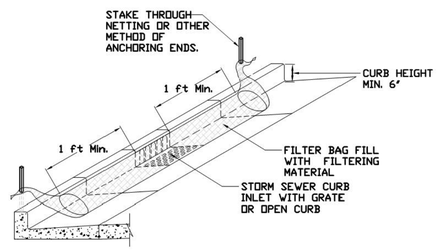
SECTION B-B

REFERENCE
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Designed Date
Checked Date
Approved Date

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 2 OF 2
DATE 8-18-94

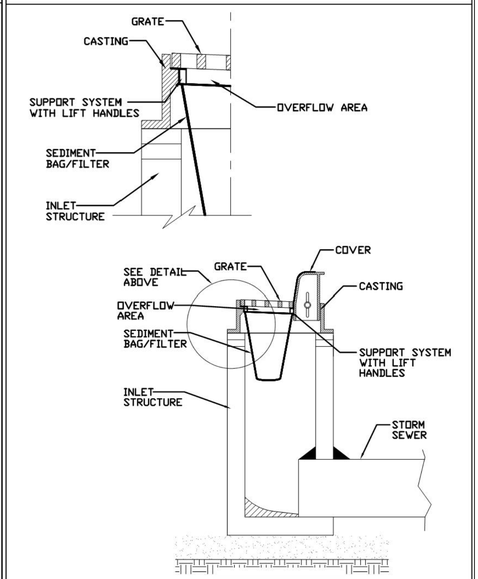
(IP) INLET PROTECTION - PAVED AREAS CURB PROTECTION



REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO. IUM-561C
SHEET 1 OF 1
DATE 01-11-11

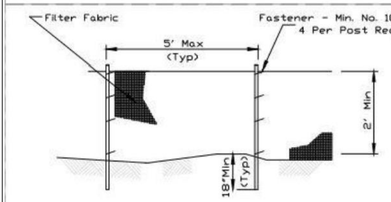
(IP) (FB) INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



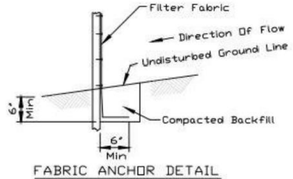
REFERENCE
Project
Designed Date
Checked Date
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STANDARD DWG. NO. IUM-561D
SHEET 1 OF 1
DATE 01-11-11

(BF) SILT FENCE PLAN



ELEVATION



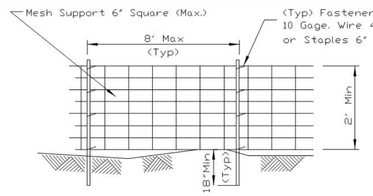
FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile based upon performance needed.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 2" x 2" nominal size.

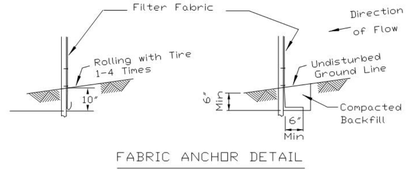
REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO. IUM-620
SHEET 1 OF 2
DATE 3-16-12

(BF) SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

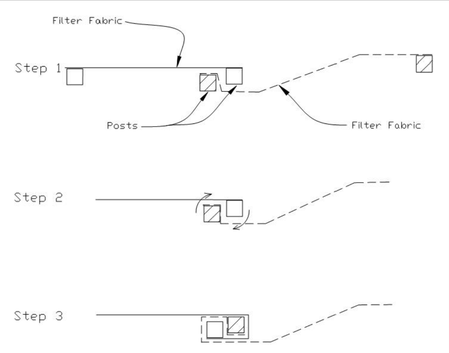
STATIC SLICE INSTALLATION TRENCH INSTALLATION

NOTES:
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO. IUM-620A(W)
SHEET 1 OF 2
DATE 3-16-2012

(BF) SILT FENCE - SPLICING TWO FENCES

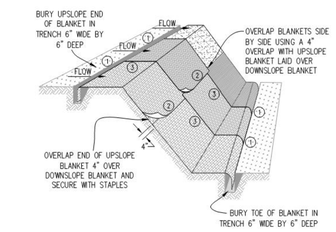


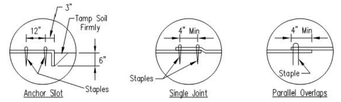
ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

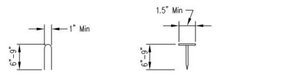
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Project
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Checked Date
Approved Date

STANDARD DWG. NO. IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012





DETAIL 1 DETAIL 2 DETAIL 3



STAPLE DETAIL PUSH PIN DETAIL

NOTES:
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

(EB) EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed Date
Drawn S. JOHNSON 11/08
Checked
Approved

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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FILE NAME = 191806-Details	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

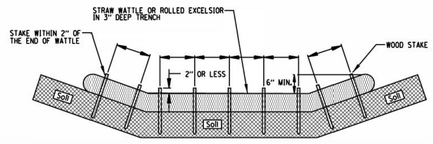
EROSION CONTROL DETAILS

SCALE: N.T.S. SHEET NO. 01 OF 01 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

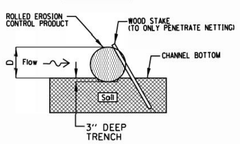
(DC) ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL

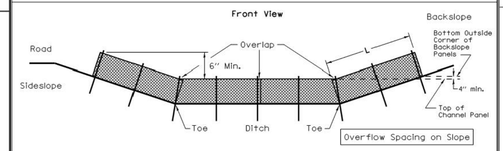


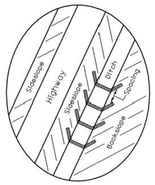
NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

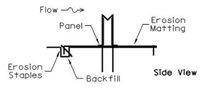
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STANDARD DWG. NO.
IUM-514
SHEET 1 OF 1
DATE 08-2-2019

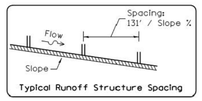
(DC) SYNTHETIC POROUS RUNOFF CONTROL STRUCTURES







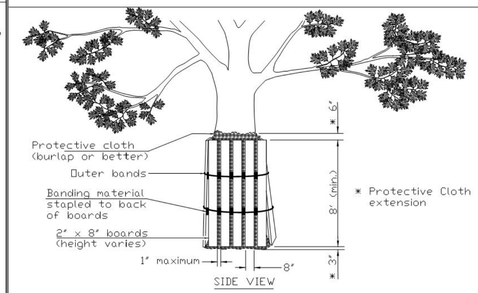
Minimum Installation Length up Slopes	
Slope	Panels
2:1	1
2.5:1	1.5
3:1	2
3.5:1	2
4:1	2
5:1	2.5
6:1	2.5



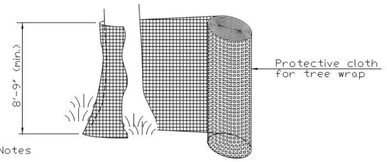
REFERENCE
Project
Designed Date
Checked Date
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STANDARD DWG. NO.
IUM-514
SHEET 1 OF 1
DATE 8-19-11

TREE TRUNK PROTECTION



SIDE VIEW



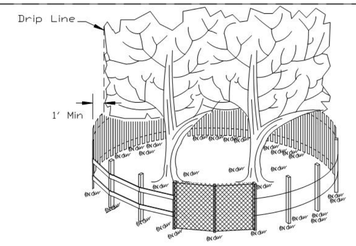
Notes

1. The contractor shall provide 2" x 8" boards banded continuously around each trunk with a protective cloth (such as burlap or better) placed between the boards and the tree to prevent scarring of the tree being protected. The height of the boards is variable due to height of tree being protected. Trees to be protected shall be shown in the plans or designated by the Professional Forester or Certified Arborist.
2. The protective cloth shall extend past both the top and bottom of the boards as shown in the detail. Width of wrap material varies. For fabric that does not meet the required height, fabric shall overlap a minimum of 6" and shall be spliced to avoid slippage.

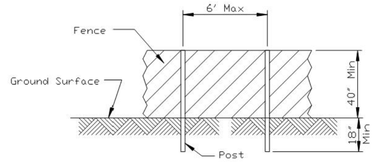
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Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-690-C
SHEET 1 OF 1
DATE 09-14-2017

TREE PROTECTION - FENCING



SIDE VIEW



POST AND FENCE DETAIL

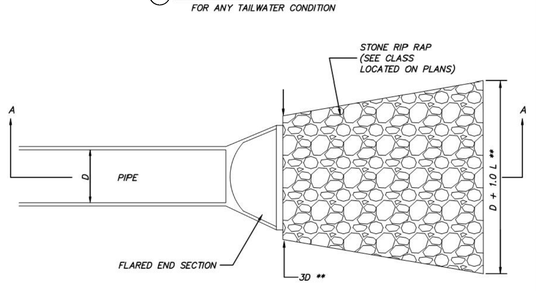
NOTES:
1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minumum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE
Project
Designed Date
Checked Date
Approved Date

NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-690
SHEET 1 OF 1
DATE 4-7-94

(RR) STONE RIP RAP DETAIL
FOR ANY TAILWATER CONDITION



SECTION A-A

Approx. stone size based on IDOT Std.

Class	d50 (in.)	dMax (in.)
A3	9"	18"
A4	9"	14"
A5	12"	19"
A6	15"	22"

** NOTE: WHEN OUTLETING TO A DEFINED CHANNEL, WITDTH AND AREA OF APRON SHALL CONFORM TO TOP OF CHANNEL BANK

LOW VELOCITY (<5fps)					HIGH VELOCITY (5-10fps)				
D	T	L	B	–	D	T	L	B	–
Pipe Size in.	Rock Class (Min. Thickness)	Length of Apron	Bedding Class (thickness)	Quantity SY. **	Pipe Size in.	Rock Class (Min.Thickness)	Length of Apron	Bedding Class (thickness)	Quantity SY. **
10"	A2 (6")	10'	–	8	10"	A2 (6")	10'	–	8
12"	A3 (15")	12'	–	11	12"	A3 (15")	15'	–	16
15"	A3 (15")	13'	–	13	15"	A3 (15")	15'	–	17
18"	A3 (15")	14'	–	16	18"	A4 (16")	16'	A1 (6")	20
21"	A3 (15")	15'	–	18	21"	A4 (16")	18'	A1 (6")	25
24"	A3 (15")	16'	–	21	24"	A4 (16")	20'	A1 (6")	31
27"	A3 (15")	17'	–	25	27"	A4 (16")	21'	A1 (6")	35
30"	A3 (15")	18'	–	28	30"	A4 (16")	22'	A1 (6")	39
33"	A4 (16")	19'	A1 (6")	32	33"	A5 (22")	23'	A1 (8")	44
36"	A4 (16")	20'	A1 (6")	36	36"	A5 (22")	24'	A1 (8")	48
42"	A4 (16")	22'	A1 (6")	44	42"	A6 (26")	26'	A2 (10")	58
48"	A4 (16")	24'	A1 (6")	53	48"	A6 (26")	28'	A2 (10")	68

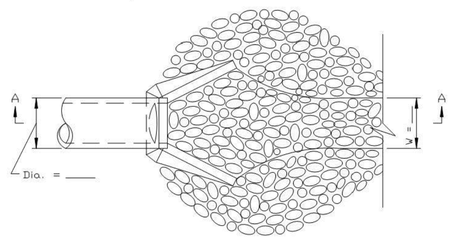
Note See current Illinois Department of Transportation Standard Specification to verify rock size and bedding thickness. RIPRAP

REFERENCE
Project
Designed Date
Checked Date
Approved Date

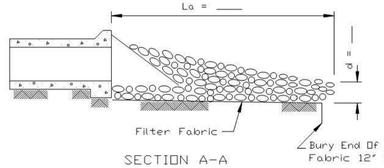
STANDARD DWG. NO.
IUM-617A
SHEET 1 OF 1
DATE 1-06-2012

(RR) PIPE OUTLET TO CHANNEL

Pipe Outlet To Well-Defined Channel



PLAN



SECTION A-A

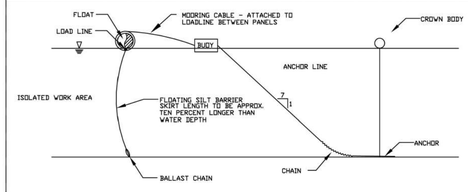
NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III .
2. The rock riprap shall meet the IDOT requirements for the following gradation ____
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE
Project
Designed Date
Checked Date
Approved Date

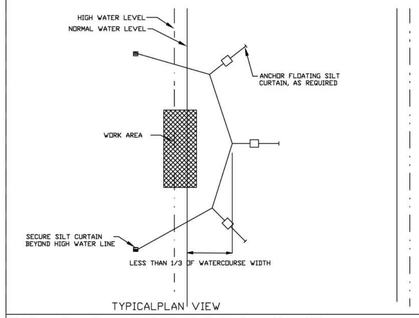
NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-611
SHEET 1 OF 1
DATE 8-18-94

FLOATING SILT CURTAIN - TYPICAL LAYOUT



TYPICAL COMPONENTS / ANCHORAGE SYSTEM



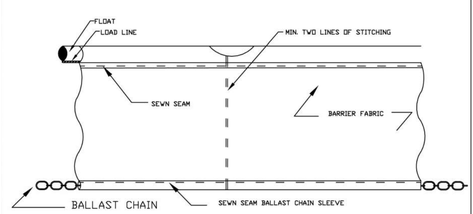
TYPICALPLAN VIEW

Maximum flow for waterbody shall be less than 5fps.
Isolated work area shall not exceed more than 1/3 stream width.
Silt curtain shall be placed parallel to stream flow.

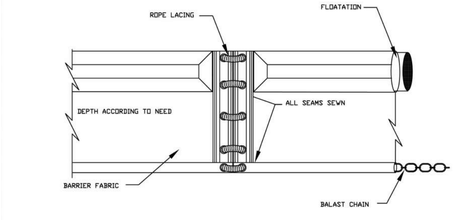
REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-617B
SHEET 1 OF 1
DATE 1-6-2012

FLOATING SILT CURTAIN - PANEL CONNECTORS



SEWN SEAM



GROMMETED HOLES WITH ROPE LACING

REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-617B
SHEET 1 OF 1
DATE 1-6-2012

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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USER NAME = KJENKINS	DESIGNED – LRG	REVISED –	
FILE NAME = 191806-Details	DRAWN – MPL/RMY	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –	
PLOT DATE = 2/6/2026	DATE –	REVISED –	

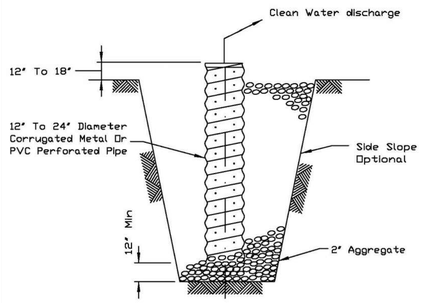
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

EROSION CONTROL DETAILS

SCALE: N.T.S. | SHEET NO. 03 OF 04 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	26
		CONTRACT NO. ____		
		ILLINOIS	FED. AID PROJECT	

SUMP PIT PLAN

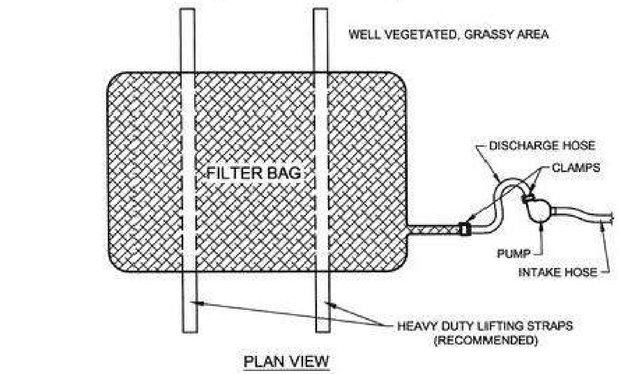


SECTION

NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-650
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 8-11-94
Approved _____ Date _____		

Pumped Water Filter Bag

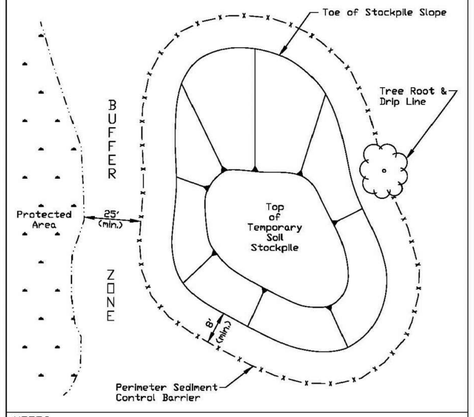


PLAN VIEW



ELEVATION VIEW

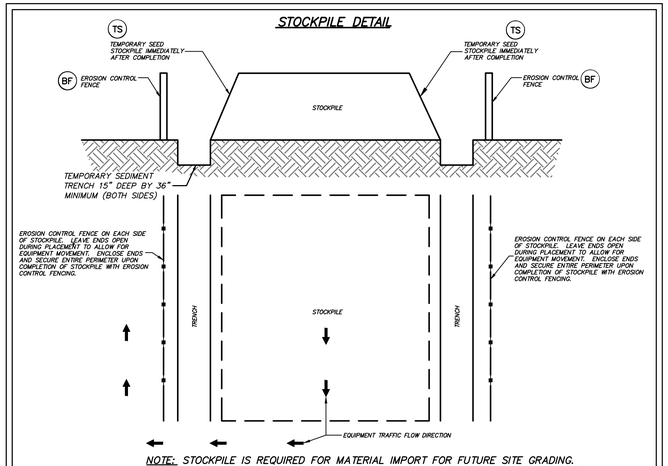
TEMPORARY SOIL STOCKPILE DETAIL



NOTES:
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential slougning of the slope.
2. Soil stockpile to be stabilized in accordance with practical standards.
3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
5. Installation of benches, terraces, or slope interrupters should be considered.
6. Avoid building soil stockpiles on impervious surfaces.
7. Linlear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE		STANDARD DWG. NO.
Project		IUM-627
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE JANUARY 2017
Approved _____ Date _____		

STOCKPILE DETAIL



NOTE: STOCKPILE IS REQUIRED FOR MATERIAL IMPORT FOR FUTURE SITE GRADING. STOCKPILE LOCATION SHOWN AS APPROXIMATE AND CONTRACTOR TO VERIFY EXACT LOCATION WITH OWNER

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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FILE NAME = 191806-Details	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

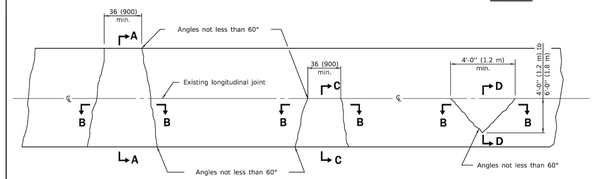
CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

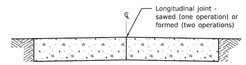
EROSION CONTROL DETAILS

SCALE: N.T.S. | SHEET NO. 04 OF 04 SHEETS | STA. | TO STA.

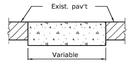
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	27
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	

CLASS C





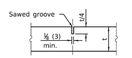
SECTION A-A



SECTION C-C

SECTION D-D

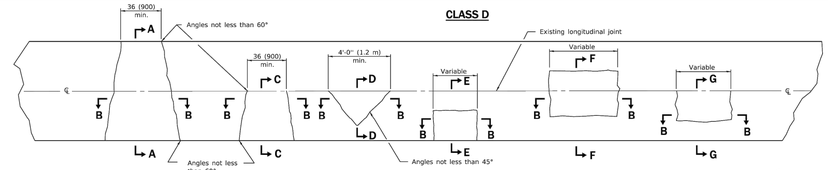
SECTION B-B

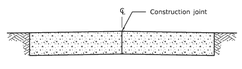


DETAIL OF SAWED CONTRACTION JOINT

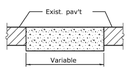
Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

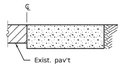




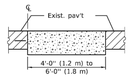
SECTION A-A
(Built in two operations)



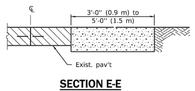
SECTION B-B



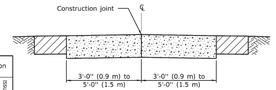
SECTION C-C



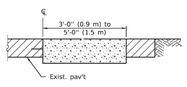
SECTION D-D



SECTION E-E



SECTION F-F
(Built in two operations)



SECTION G-G

GENERAL NOTES

Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

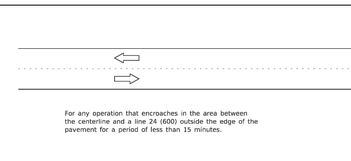
All dimensions are in (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2008 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2008 — ENGINEER OF DESIGN AND ENVIRONMENT
1-1-07 GDP00

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



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.

TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

Work area
Sign on portable or permanent support
Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
1-1-11 GDP00

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

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806-Details
PLOT DRIVER: DWG To PDF.pc3
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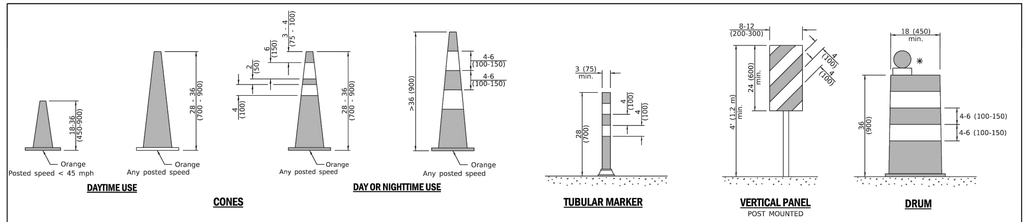
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FILE NAME = 191806-Details	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 2/6/2026	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

IDOT STANDARD DETAILS

SCALE: N.T.S. | SHEET NO. 01 OF 02 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	28
		CONTRACT NO. _____		
	ILLINOIS	FED. AID PROJECT		



DAYTIME USE

CONES

DAY OR NIGHTTIME USE

TUBULAR MARKER

VERTICAL PANEL
POST MOUNTED

DRUM

TYPE I BARRICADE

TYPE II BARRICADE

TYPE III BARRICADE

DIRECTION INDICATOR BARRICADE

VERTICAL BARRICADE

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED - 1-1-19

GENERAL NOTES

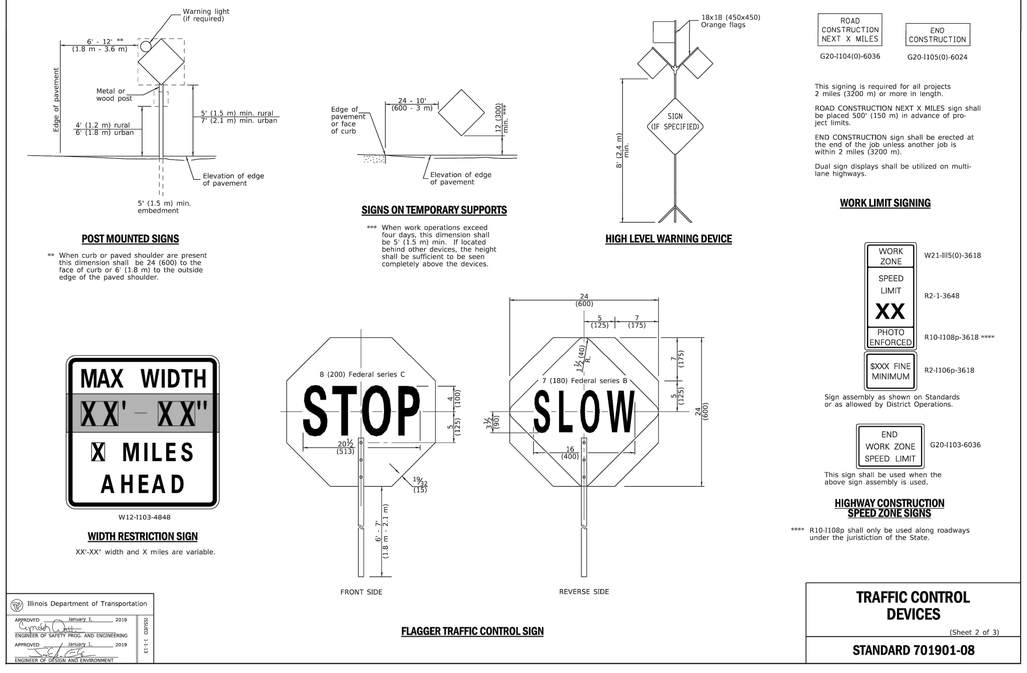
All heights shown shall be measured above the pavement surface.

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



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.

SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.

HIGH LEVEL WARNING DEVICE

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.

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

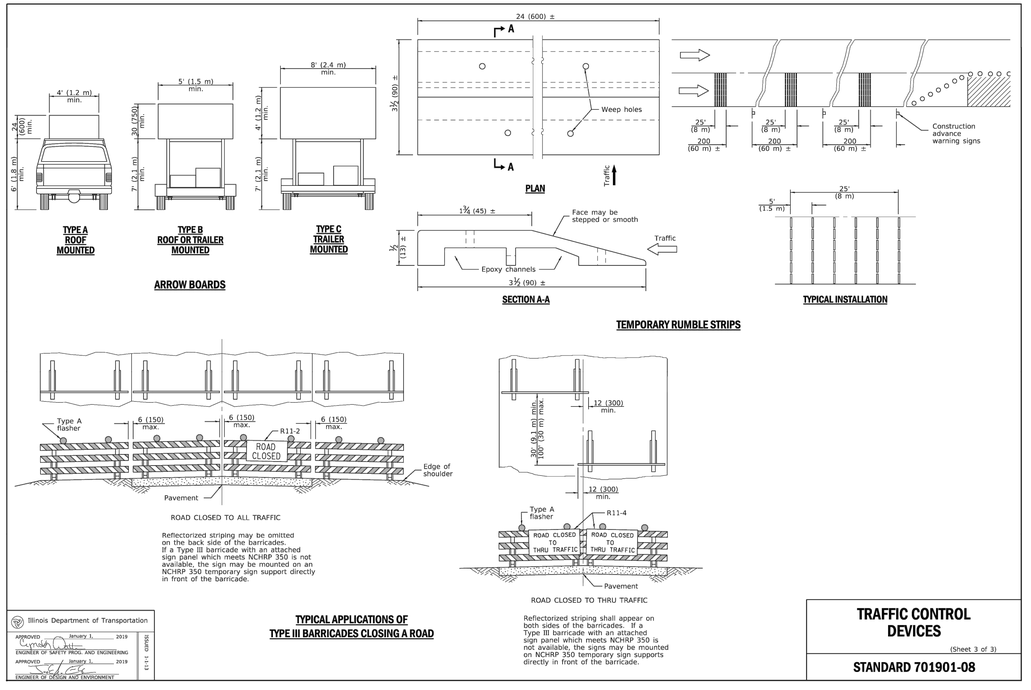
APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED - 1-1-19

TRAFFIC CONTROL DEVICES
(Sheet 2 of 3)

STANDARD 701901-08



TYPE A ROOF MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE C TRAILER MOUNTED

ARROW BOARDS

TEMPORARY RUMBLE STRIPS

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED - 1-1-19

TRAFFIC CONTROL DEVICES
(Sheet 3 of 3)

STANDARD 701901-08

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
FILE NAME: 191806-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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USER NAME = KJENKINS	DESIGNED – LRG	REVISED –	
FILE NAME = 191806-Details	DRAWN – MPL/RMY	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –	
PLOT DATE = 2/6/2026	DATE –	REVISED –	

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

IDOT STANDARD DETAILS

SCALE: N.T.S. | SHEET NO. 02 OF 02 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	29

CONTRACT NO. _____

ILLINOIS | FED. AID PROJECT

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AG	ABOVE FINISHED GRADE
AICS	AMPERES INTERRUPTING CAPACITY, SYMMETRICAL
ASD	ADJUSTABLE SPEED DRIVE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CKT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DB	DIRECT BURIED
DC	DIRECT CURRENT
DWG	DRAWING
ELEV	ELEVATION
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
ETM	ELAPSED TIME METER
EXIST	EXISTING
FLEX	FLEXIBLE
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
GND	GROUND
HH	HANDHOLE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LA	LIGHTNING ARRESTOR
LOS	LOCKOUT STOP PUSH-BUTTON
LS	LIMIT SWITCH
LTG	LIGHTING
MA	MILLIAMPERE
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MIN	MINIMUM
MT	EMPTY
MTD	MOUNTED
N	NEUTRAL
NC	NORMALLY CLOSED
NL	NIGHTLIGHT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OL'S	MOTOR OVERLOAD CONTACTS
P	POLE
PB	PUSHBUTTON, PULLBOX
PH	PHASE
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
REF	REFERENCE
REQ'D	REQUIRED
SH	SHIELDED
SHT	SHEET
STD	STANDARD
SW	SWITCH
TACH	TACHOMETER
TB	TERMINAL BOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TSP	TWISTED PAIR
XFMR	TRANSFORMER
TSP	TWISTED SHIELDED PAIR
TST	TWISTED SHIELDED TRIAD
TSTAT	THERMOSTAT
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VFD	VARIABLE SPEED DRIVE
VS	VARIABLE SPEED
W	WATTS, WIRE
WP	WEATHERPROOF
ZS	POSITION SWITCH

ELECTRICAL SYMBOLS

- (UM) UTILITY METERING
- (AM) METERING DEVICE: AM–AMMETER, VM–VOLTMETER, WM–WATTMETER, FM–FREQUENCY METER, WHM–KILOWATT HOUR METER, DM–DIGITAL MULTI–FUNCTION METER, MFM–MULTI–FUNCTION METER
- [AS] AMMETER SWITCH
- [VS] VOLTMETER SWITCH
- CURRENT TRANSFORMER, QUANTITY INDICATED (3)
- POTENTIAL TRANSFORMER, QUANTITY INDICATED (3)
- (25) SWITCHGEAR DEVICE:

11 MULTIFUNCTION RELAY
21 DISTANCE RELAY
25 SYNCHRONIZING OR SYNCHRONISM CHECK DEVICE
26Q TEMPERATURE RELAY
27 UNDERVOLTAGE RELAY
32 DIRECTIONAL POWER RELAY
43 MANUAL TRANSFER OR SELECTOR DEVICE
46 REVERSE–PHASE OR PHASE–BALANCE CURRENT RELAY
47 PHASE–SEQUENCE VOLTAGE RELAY
49 MACHINE OR TRANSFORMER THERMAL RELAY
50 INSTANTANEOUS OVERCURRENT OR RATE OF RISE RELAY
50G ZERO SEQUENCE GROUND FAULT RELAY
51 A–C TIME OVERCURRENT RELAY
52 A–C CIRCUIT BREAKER
59 OVERVOLTAGE RELAY
63 SUDDEN PRESSURE RELAY
65 GOVERNOR
67 A–C DIRECTIONAL OVERCURRENT RELAY
81 FREQUENCY RELAY
86 LOCKOUT RELAY
87 DIFFERENTIAL PROTECTIVE RELAY

- [K] KEY INTERLOCKING OF EQUIPMENT
- [M] MECHANICAL INTERLOCKING OF EQUIPMENT
- [E] ELECTRICAL INTERLOCKING OF EQUIPMENT
- POWER FACTOR CORRECTING CAPACITOR
- [PMR] PHASE MONITORING RELAY
- [ETM] ELAPSED TIME METER
- [SPD] SURGE PROTECTIVE DEVICE
- [MFM] MULTI–FUNCTION METER
- [RTU] REMOTE TERMINAL UNIT
- [TB] TERMINAL BLOCK
- (TC) TRIP COIL
- GENERATOR NEUTRAL JUNCTION
- NEUTRAL GROUNDING RESISTOR (NGR)
- [STB] SHORTING TERMINAL BLOCK
- SS SYNCH SWITCH
- MEDIUM VOLTAGE SURGE ARRESTER
- X, 20A OR 3P; X, 100AF 80AT 3P — LOW VOLTAGE CIRCUIT BREAKER (CB). RATINGS AND NO. OF POLES AS SHOWN. WHEN SPECIFIC TYPE IS REQUIRED, X INDICATES TYPE.

  TYPES:
  MCCB – MOLDED CASE
  ICCB – INSULATED CASE
  LVP – LOW VOLTAGE POWER
  MCP – MOTOR CIRCUIT PROTECTOR (RATING PER CONNECTED LOAD)
- [CB] SEPARATELY MOUNTED CIRCUIT BREAKER, SEE ELECTRICAL ONE LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION
- [GFP] GROUND FAULT PROTECTION

ELECTRICAL SYMBOLS

- [52] MEDIUM VOLTAGE CIRCUIT BREAKER
- FUSE, SIZE AND NUMBER OF FUSES AS NOTED
- FUSED CUTOUT, CURRENT RATING, FUSE SIZE AND NUMBER OF POLES AS NOTED
- FUSIBLE SWITCH, CURRENT RATING, FUSE SIZE AND QUANTITY AS NOTED
- NON–FUSED SWITCH, CURRENT RATING AND NUMBER OF POLES AS NOTED
- DISCONNECT OR DRAWOUT CONNECTION
- TYPE/SIZE, FEATURES — MOTOR CONTROLLER

TYPE/SIZE
SUCCEEDING NUMBER INDICATES NEMA STARTER SIZE
FVR = FULL VOLTAGE REVERSING
FVNR = FULL VOLTAGE NON–REVERSING
RVSS = REDUCED VOLTAGE SOFT STARTER
VFD = VARIABLE FREQUENCY DRIVE
2S2W = TWO–SPEED TWO–WINDING
2S1W = TWO SPEED ONE–WINDING

FEATURES
1 – CONTROL POWER TRANSFORMER, 120V SECONDARY
2R – 2: DENOTES INDICATING LIGHT MODIFIER:
R – RED
G – GREEN
A – AMBER
W – WHITE
3A – 3: DENOTES CONTROL SWITCH MODIFIER:
A – HAND–OFF–AUTO
B – HAND–OFF–REMOTE
C – ON–OFF
D – FORWARD–OFF–REVERSE
4 – START–STOP PUSHBUTTONS, MOMENTARY
5 – ELAPSED TIME METER
6 – KEYPAD/DISPLAY ON DOOR
7 – OUTPUT dV/dT FILTER
8 – DISCONNECT SWITCH

- THERMAL OVERLOAD ELEMENT
- OL THERMAL OVERLOAD RELAY CONTACT
- 7.5 OR HP — MOTOR WITH DESIGN HORSEPOWER (WHEN INDICATED)
- (G) GENERATOR
- ATS — TRANSFER SWITCH, CURRENT RATING AND NUMBER OF POLES AS NOTED.

  ATS – AUTOMATIC
  MTS – MANUAL

TRANSFORMER
- △ 3 PHASE, 3 WIRE DELTA CONNECTION
- Y 3 PHASE, 4 WIRE GROUNDED WYE CONNECTION

- NAME VOLTAGE — SWITCHBOARD OR PANELBOARD. NAME, VOLTAGE, PHASE, NUMBER OF WIRES WHEN INDICATED.
- DELTA CONNECTION
- WYE CONNECTION
- GROUNDED WYE CONNECTION
- OL'S — MANUAL MOTOR STARTER
- MOTOR OVERLOAD HEATER CONTACTS
- MOTOR OVERLOAD HEATER
- [S] SOLENOID OPERATED VALVE
- MOTOR
- ALARM
- FUSE
- CONTROL POWER TRANSFORMER
- GROUND
- WIRING IN MOTOR STARTER
- FIELD WIRING

ELECTRICAL SYMBOLS PLANS

LIGHT FIXTURES

- CEILING/PENDANT MOUNTED FIXTURE
- CEILING/PENDANT MOUNTED FIXTURE, EMERGENCY/NIGHT LIGHT
- WALL MOUNTED FIXTURE
- CEILING/PENDANT MOUNTED FIXTURE
- WALL MOUNTED FIXTURE
- CEILING/PENDANT MOUNTED FIXTURE, EMERGENCY/NIGHT LIGHT
- WALL MOUNTED FIXTURE, EMERGENCY/NIGHT LIGHT
- EXIT LIGHT, CEILING MOUNTED, ARROW DIRECTION AS INDICATED. SHADED SECTION INDICATES ILLUMINATION FACE.
- EXIT LIGHT, WALL MOUNTED, ARROW DIRECTION AS INDICATED. SHADED SECTION INDICATES ILLUMINATION FACE.
- EMERGENCY LIGHT FIXTURE, 2 ATTACHED HEADS AS SHOWN
- EMERGENCY LIGHT, REMOTE MOUNTED HEAD

FIRE ALARM SYSTEM

- [F] MANUAL PULL STATION, 48" ABOVE FLOOR
- VISUAL ALARM LIGHT 80" ABOVE FLOOR OR AS NOTED
- AUDIBLE ALARM DEVICE WITH VISUAL ALARM LIGHT 80" ABOVE FLOOR OR AS NOTED
- [F] COMBINATION AUDIBLE ALARM DEVICE AND VISUAL ALARM LIGHT 80" ABOVE FLOOR, AND MANUAL PULL STATION 48" ABOVE FLOOR
- GENERAL ALARM BELL 80" ABOVE FLOOR OR AS NOTED
- [F] VISUAL ALARM LIGHT 80" ABOVE FLOOR, AND MANUAL PULL STATION 48" ABOVE FLOOR.
- (F) THERMAL FIRE DETECTOR, COMBINATION RATE OF RISE AND FIXED TEMPATURE. '200' INDICATES 200 DEGREE FIXED TEMPATURE. '135' INDICATES 135 DEGREE FIXED TEMPATURE. 'ST' INDICATES DETECTOR TO INITIATE ELEVATOR C.B. SHUNT–TRIP.
- (F) AUTOMATIC DOOR RELEASE CONNECTION
- SMOKE DAMPER CONNECTION
- (F) SMOKE DETECTOR ON CEILING;
  'D'–INDICATES DUCT DETECTOR TYPE
  'R'–INDICATES RELAY FOR AUXILIARY CONTROLS
  'ER' INDICATES DETECTOR TO INITIATE ELEVATOR RECALL
  'PT' INDICATES PROJECTED BEAM TYPE TRANSMITTER
  'PR' INDICATES PROJECTED BEAM TYPE RECEIVER
- [F] FAN SHUT–DOWN CONNECTION
- [R] REMOTE DETECTOR INDICATOR LIGHT
- [R] DUCT SMOKE DETECTOR REMOTE TEST/RESET STATION
- [FS] SPRINKLER FLOW SWITCH CONNECTION
- [TS] TAMPER–PROOF SPRINKLER VALVE SWITCH CONNECTION
- [FAZ] FIRE ALARM ZONE ANNUNCIATOR
- [FAM] FIRE ALARM MASTER ANNUNCIATOR
- [FACP] FIRE ALARM CONTROL PANEL
- [C] TELEPHONE STATION
- [G] GAS DETECTOR SENSOR
- FIRE ALARM ZONE

SITE

- LIGHTING CONTROL STATION, PAD MOUNTED
- LIGHTING CONTROL STATION, POLE MOUNTED
- HAND HOLE
- [J] JUNCTION BOX
- [T] UTILITY TRANSFORMER, PAD MOUNTED
- (T) UTILITY TRANSFORMER, POLE MOUNTED
- [PC] PHOTOCELL
- (MH) MAN HOLE
- UNDERGROUND CONDUIT
- POLE MOUNTED LIGHTING UNIT, AS SPECIFIED
- BACK MOUNTED LIGHTING UNIT, AS SPECIFIED
- TOWER LIGHTING UNIT, AS SPECIFIED
- ATHLETIC FIELD LIGHTING UNIT, AS SPECIFIED

CONDUIT, RACEWAY AND WIRING

- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- HOME RUN TO PANEL, 2 #12, 1 #12G IN 3/4"C UNLESS OTHERWISE NOTED
- CIRCUIT RUN BETWEEN DEVICES EXPOSED IN NON–ARCHITECTURALLY FINISHED AREAS, CONCEALED IN ARCHITECTURALLY FINISHED AREAS. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT
- CONDUIT RUN BETWEEN DEVICES CONCEALED IN NON–ARCHITECTURALLY FINISHED AREAS OR UNDER FLOOR SLAB. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT.
- CIRCUIT CONTINUATION
- CONDUIT STUBBED OUT AND CAPPED
- ### CONDUIT TAG OR CIRCUIT NUMBER – WIRE AND CONDUIT SIZE AS SPECIFIED IN CIRCUIT SCHEDULE ON THE SHEETS
- PLUG IN STRIP–TYPE RECEPTACLES OR OTHER OUTLETS AS INDICATED
- LAY IN WIREWAY DUCT, SIZE AS NOTED
- FEEDER DUCT–RATING AND NUMBER OF CONDUCTORS AS NOTED
- PLUG IN DUCT–RATING AND NUMBER OF CONDUCTORS AS NOTED
- CABLE TRAY, TYPE AS NOTED

CONDUIT TAGS
A. GRS: GALVANIZED RIGID STEEL
B. RAC: RIGID ALUMINUM CONDUIT
C. PVC–GRS: PVC COATED GALVANIZED RIGID STEEL CONDUIT
D. PVC: RIGID POLYVINYL CHLORIDE CONDUIT
E. EMT: ELECTRICAL METALLIC TUBING CONDUIT (THINWALL)
F. LFMC: LIQUIDTIGHT FLEXIBLE METAL CONDUIT
G. HDPE: HIGH DENSITY POLYETHYLENE CONDUIT
H. FMC: FLEXIBLE METAL CONDUIT

COMMUNICATIONS SYSTEM

- (S) SPEAKER OUTLET RECESSED IN CEILING (UNLESS NOTED OTHERWISE), 'S'–INDICATES SURFACE TYPE, 'C'–INDICATES SPEAKER CONCEALED ABOVE CEILING, 'P'–INDICATES PROJ. HORN TYPE, 'DF'–INDICATES DOUBLE FACE TYPE
- TELEPHONE OUTLET, IN WALL 16" ABOVE FLOOR OR AS NOTED. 'W' INDICATES WALL MOUNTED TELEPHONE AT 54"
- COMPUTER TERMINAL OUTLET–IN WALL OR AS NOTED
- COMBINATION TELEPHONE & COMPUTER TERMINAL OUTLET IN WALL 16" ABOVE FLOOR OR AS NOTED
- TELEPHONE OUTLET, IN FLOOR BOX
- [V] VOLUME CONTROL, NUMERAL DESIGNATES ASSOCIATED SPEAKERS

GROUNDING

- GROUND GRID CONDUCTOR (SIZE PER DWG.)
- GROUND ROD
- GROUND SYSTEM TEST WELL
- EXOTHERMIC WELDED GROUND CONNECTION
- EQUIPMENT GROUND CABLE STUB–UP
- [MGB] MAIN GROUND BAR

WIRING DEVICE

- (C) CLOCK HANGER RECEPTACLE–20A , 125V, 2P, 3W (NEMA 5–20R), IN WALL +84" OR AS NOTED
- SIMPLEX RECEPTACLE – 125V, 2P, 3W 20A, 30A, OR 50A AT OUTLET INDICATES AMP. RATING (NEMA 5–20R, 5–30R, OR 5–50R), IN WALL OR AS NOTED
- DUPLEX RECEPTACLE–20A, 125V, 2P, 3W (NEMA 5–20R), IN WALL
- DUPLEX RECEPTACLE–20A, 125V, 2P, 3W (NEMA 5–20R) IN CEILING
- DUPLEX RECEPTACLE–20R, 125V, 2P,3W (NEMA 5–20R), IN WALL ABOVE COUNTER TOP OR BACK SPLASH 'GFI'–INDICATES GROUND FAULT INTERRUPTER TYPE 'SS'–INDICATES SURGE SUPPRESSER TYPE 'IG'–INDICATES ISOLATED GROUND TYPE
- DUPLEX RECEPTACLE–20R, 125V, 2P, 3W (NEMA 5–20R), IN WALL OR AS NOTED, ONE RECEPTACLE HOT, ON RECEPTACLE SWITCH
- FLOOR OUTLET BOX WITH SIMPLEX RECEPTACLE–20A, 125V, 2P, 3W (NEMA 5–20R)
- FLOOR OUTLET WITH DUPLEX RECEPTACLE
- OUTLET WITH SPECIAL DEVICE AS NOTED, IN WALL
- OUTLET WITH SPECIAL DEVICE AS NOTED, IN FLOOR
- OUTLET WITH SPECIAL DEVICE AS NOTED, IN CEILING
- (J) JUNCTION BOX OR OUTLET BOX
- SINGLE POLE WALL SWITCH:
  # – INDICATES 2–WAY, 3–WAY OR 4–WAY
  PL – PILOT LIGHT
  L/T – LOCKING TYPE
  LV – LOW VOLTAGE TYPE
  T – TIMER
  MC – MOMENTARY CONTACT
- [P] PULL BOX
- PUSHBUTTON, AS NOTED
- LOCAL LIGHT DIMMER, M INDICATES MASTER CONTROLLER
  1000 INDICATES 1000 WATTS
  1500 INDICATES 1500 WATTS
  2000 INDICATES 2000 WATTS
- 3 MOTOR SPEED CONTROLLER 2–SPEED, 3–SPEED OR VARIABLE SPEED AS INDICATED
- [DH] MAGNETIC DOOR HOLD

EQUIPMENT

- MOTOR CONNECTION
- (E) EQUIPMENT TERMINAL POINT
- SAFETY DISCONNECT SWITCH, NON–FUSED UNLESS NOTED (F)
- $M MOTOR RATED SWITCH, NO. OF POLES AS REQUIRED.
- [FS] FUSE HOLDER WITH FUSESTAT AND TOGGLE SWITCH
- MOTOR STARTER–MAGNETIC UNLESS NOTED MAN. (MANUAL)
- COMBINATION MOTOR STARTER AND FUSED DISCONNECT SWITCH–MAGNETIC STARTER
- COMBINATION MOTOR STARTER AND NON–FUSED DISCONNECT SWITCH–MAGNETIC STARTER
- BRANCH CIRCUIT PANELBOARD SURFACE MOUNTED
- BRANCH CIRCUIT PANELBOARD FLUSH MOUNTED
- SPECIAL CABINET OR EQUIPMENT AS NOTED SURFACE MOUNTED
- SPECIAL CABINET OR EQUIPMENT AS NOTED FLUSH MOUNTED
- [T15] DRY–TYPE TRANSFORMER, NUMBER INDICATES KVA SIZE
- POWER DISTRIBUTION PANELBOARD SURFACE MOUNTED OR FREESTANDING, AS NOTED
- POWER DISTRIBUTION PANELBOARD, ELECTRICAL EQUIPMENT MCC OR SWITCHBOARD, FLUSH MOUNTED
- [ATS] AUTOMATIC TRANSFER SWITCH
- [MTS] MANUAL TRANSFER SWITCH
- [CS] CONTROL STATION
- [LC] LIGHTING CONTACTOR

NOTE:
NOT ALL SYMBOLS SHOWN IN THESE LISTS MAY BE USED IN THIS PROJECT. CONTACT ARCHITECT OR ENGINEER FOR CLARIFICATION OF ANY DISCREPANCIES.

SECURITY SYSTEM

- [K] KEYPAD STATION
- (K) KEYPAD ACCESS CONTROL
- (C) CARD ACCESS READER
- (C)(K) COMBINATION KEYPAD ACCESS CONTROL & CARD ACCESS READER
- (G) GLASS BREAK SENSOR
- (D) SECURE DOOR. ELECTRICAL STRIKE & CONTACTS AS SCHEDULED
- (W) SECURE WINDOW
- (M) SECURITY MOTION SENSOR, AS INDICATED
- (P) SECURITY ACCESS PROXIMITY SENSOR
- CLOSE CIRCUIT TELEVISION CAMERA FIXED MOUNTED
- CLOSED CIRCUIT TELEVISION CAMERA REMOTE PAN, TILT, & CONTROL
- [DC] DOOR CABINET
- [SEC] SECURITY EQUIPMENT CONTROL PANEL

VENTILATION ALARM SYSTEM

- HORN
- STROBE
- PUSHBUTTON ENCLOSURE W/ PILOT LIGHTS

MISCELLANEOUS

- (T) THERMOSTAT 48" ABOVE FLOOR.
- [PC] PHOTOCELL CONTROL
- [HD] ELECTRIC HAND DRYER AS NOTED.
- (E1) REFERENCED NOTE
- [TS] TIME SWITCH
- [TMGB] TELECOMMUNICATIONS MAIN GROUND BAR AT 80" OR AS NOTED.
- [TGBXX] TELECOMMUNICATIONS GROUND BAR. 'XX' INDICATES GROUND BAR NUMBER.
- (S) OCCUPANCY SENSOR, CEILING MOUNTED
- (S) OCCUPANCY SENSOR, WALL MOUNTED, 48" ABOVE FLOOR
- EM SPECIAL SYSTEM WIRING TO CENTRAL EQUIPMENT, PANEL, TERMINAL CABINET OR NEXT DEVICE.
  EM = EMERGENCY SYSTEM
  FO = FIBER OPTIC
  MVE = MEDIUM VOLTAGE ELECTRICAL
  E = ELECTRIC AS NOTED
  OF = CIRCUIT TO GROUND FAULT CIRCUIT BREAKER
  EIL = EQUIPMENT INTERLOCK
  MT = EMPTY CONDUIT

NOTES

1. ALL WALL RECEPTACLES, TELEPHONE OUTLETS OR SIMILAR OUTLETS TO BE 16" ABOVE FLOOR TO BOTTOM UNLESS OTHERWISE INDICATED.
2. ALL WALL SWITCHES, PUSHBUTTONS AND DIMMERS TO BE 48" ABOVE FLOOR TO BOTTOM UNLESS OTHERWISE INDICATED.
3. UPPER CASE LETTERS 'XX' AT DEVICE INDICATES AS NOTED;
   DD = DOUBLE DUPLEX RECEPTACLES IN TWO GANG BOX
   IC = ISOLATED GROUND TYPE
   SS = SURGE SUPPRESSION TYPE
   GFI = GROUND FAULT INTERRUPTER TYPE
   WP = WEATHERPROOF
   XP = EXPLOSION PROOF
   TL = TWIST LOCK TYPE
   WG = WIREGUARD TO BE PROVIDED
   RI = ROUGH–IN ONLY
4. LOWER CASE LETTERS AT SWITCHES AND FIXTURES INDICATE ASSOCIATED UNITS FOR SWITCHING.
5. UPPER CASE LETTERS AT FIXTURE INDICATE FIXTURE TYPE.
6. NUMBER AT FIXTURE OR OUTLET INDICATES PANEL CIRCUIT NUMBER.
7. PLUS (+) SIGN WITH DIMENSION AT OUTLET INDICATES HEIGHT ABOVE FINISHED FLOOR LINE OR HEIGHT ABOVE FINISHED GRADE.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:26 PM
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PLOT DRIVER: None
PEN TABLE: ----

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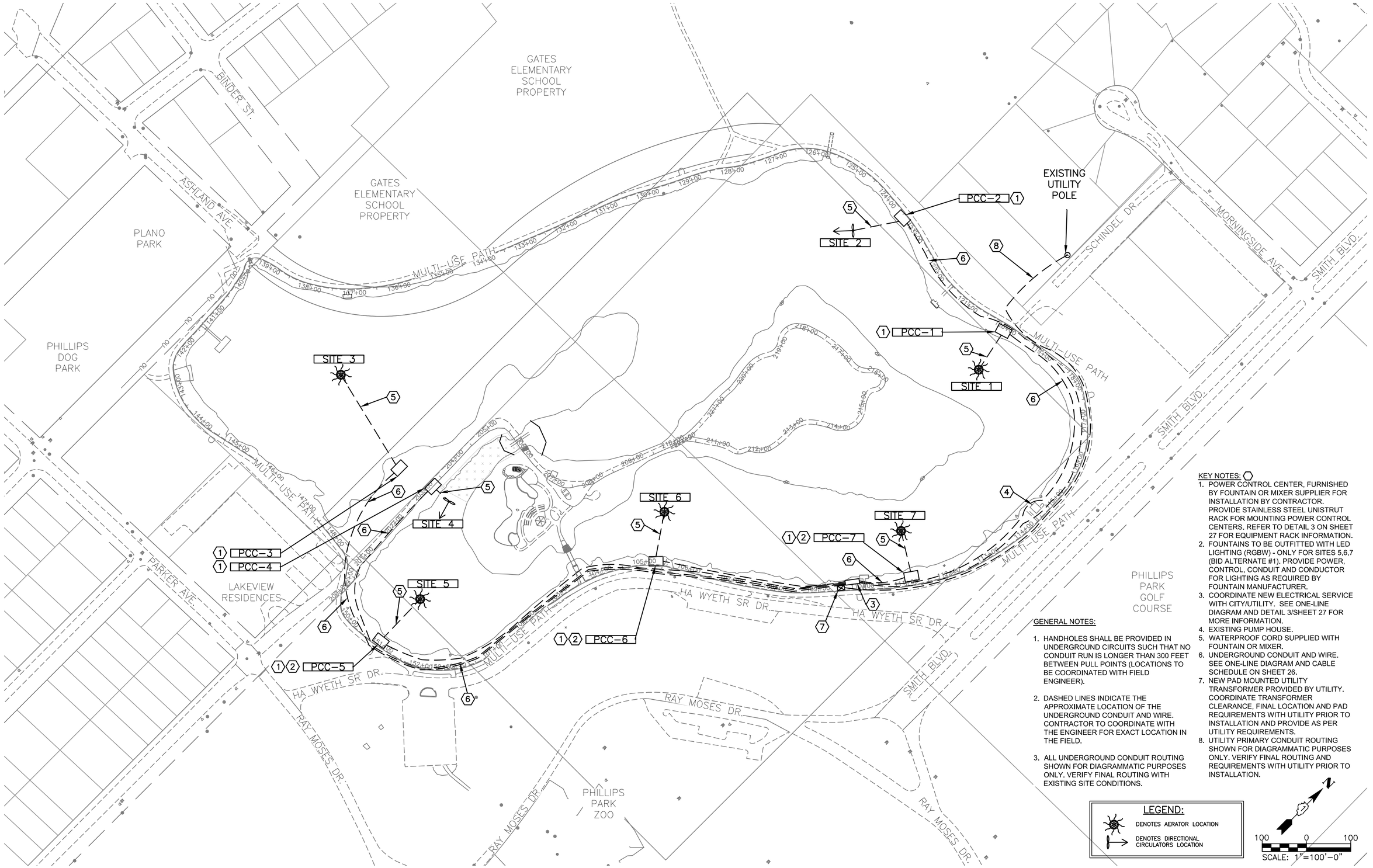
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FILE NAME = 191806–Electrical–Sym&Abbrev	DRAWN – MPL/RMY	REVISED –
PLOT SCALE = N.T.S.	CHECKED – LRG	REVISED –
PLOT DATE = 05/24/2024	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

Electrical Symbols & Abbreviations

SCALE: N.T.S. | SHEET NO. 01 OF 04 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	30
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



KEY NOTES:

1. POWER CONTROL CENTER, FURNISHED BY FOUNTAIN OR MIXER SUPPLIER FOR INSTALLATION BY CONTRACTOR. PROVIDE STAINLESS STEEL UNISTRUT RACK FOR MOUNTING POWER CONTROL CENTERS. REFER TO DETAIL 3 ON SHEET 27 FOR EQUIPMENT RACK INFORMATION.
2. FOUNTAINS TO BE OUTFITTED WITH LED LIGHTING (RGBW) - ONLY FOR SITES 5,6,7 (BID ALTERNATE #1). PROVIDE POWER, CONTROL, CONDUIT AND CONDUCTOR FOR LIGHTING AS REQUIRED BY FOUNTAIN MANUFACTURER.
3. COORDINATE NEW ELECTRICAL SERVICE WITH CITY/UTILITY. SEE ONE-LINE DIAGRAM AND DETAIL 3/SHEET 27 FOR MORE INFORMATION.
4. EXISTING PUMP HOUSE.
5. WATERPROOF CORD SUPPLIED WITH FOUNTAIN OR MIXER.
6. UNDERGROUND CONDUIT AND WIRE. SEE ONE-LINE DIAGRAM AND CABLE SCHEDULE ON SHEET 26.
7. NEW PAD MOUNTED UTILITY TRANSFORMER PROVIDED BY UTILITY. COORDINATE TRANSFORMER CLEARANCE, FINAL LOCATION AND PAD REQUIREMENTS WITH UTILITY PRIOR TO INSTALLATION AND PROVIDE AS PER UTILITY REQUIREMENTS.
8. UTILITY PRIMARY CONDUIT ROUTING SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. VERIFY FINAL ROUTING AND REQUIREMENTS WITH UTILITY PRIOR TO INSTALLATION.

GENERAL NOTES:

1. HANDHOLES SHALL BE PROVIDED IN UNDERGROUND CIRCUITS SUCH THAT NO CONDUIT RUN IS LONGER THAN 300 FEET BETWEEN PULL POINTS (LOCATIONS TO BE COORDINATED WITH FIELD ENGINEER).
2. DASHED LINES INDICATE THE APPROXIMATE LOCATION OF THE UNDERGROUND CONDUIT AND WIRE. CONTRACTOR TO COORDINATE WITH THE ENGINEER FOR EXACT LOCATION IN THE FIELD.
3. ALL UNDERGROUND CONDUIT ROUTING SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. VERIFY FINAL ROUTING WITH EXISTING SITE CONDITIONS.

LEGEND:

DENOTES AERATOR LOCATION

DENOTES DIRECTIONAL CIRCULATORS LOCATION

N

100 0 100

SCALE: 1"=100'-0"

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:27 PM
FILE NAME: 191806-Electrical-Site-Plan
PLOT DRIVER: None
PEN TABLE: ____

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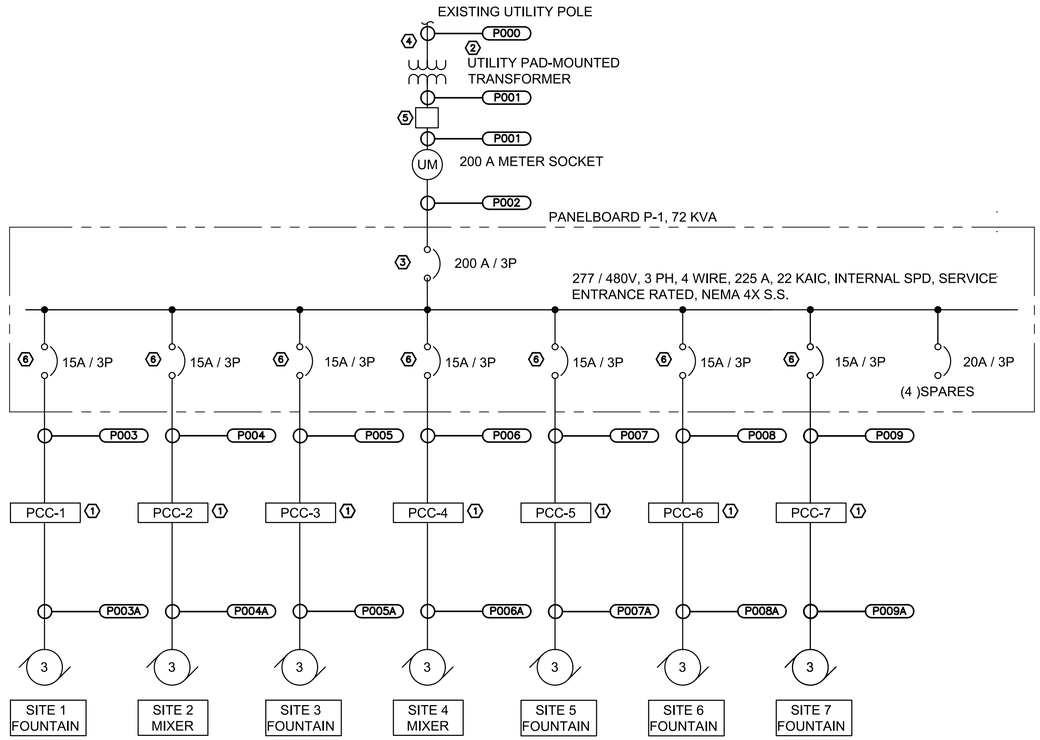
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PLOT SCALE = 1"=100'	CHECKED – LRG	REVISED –
PLOT DATE = 05/24/2024	DATE –	REVISED –

CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

ELECTRICAL SITE PLAN

SCALE: 1"=100' | SHEET NO. 02 OF 04 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	31
		CONTRACT NO. ____		
	ILLINOIS	FED. AID PROJECT		



NEW ELECTRICAL SERVICE ONE-LINE DIAGRAM

GENERAL NOTES:

1. CONDUCTORS ARE SIZED TO REDUCE VOLTAGE DROP WITHIN ACCEPTABLE LIMITS.
2. HANDHOLES SHALL BE PROVIDED IN UNDERGROUND CIRCUITS SUCH THAT NO CONDUIT RUN IS LONGER THAN 300 FEET BETWEEN PULL POINTS.(LOCATIONS TO BE COORDINATED WITH FIELD ENGINEER)
3. MANUFACTURER CUT SHEETS AND SPECIFICATIONS FOR THE FOUNTAINS, MIXERS, UNDERGROUND ELECTRICAL AND ASSOCIATED ITEMS SHOULD BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION

KEY NOTES:

1. POWER CONTROL CENTER EQUIPPED WITH 5 MILLIAMP GROUND FAULT PROTECTION. FURNISHED BY FOUNTAIN OR MIXER SUPPLIER FOR INSTALLATION BY CONTRACTOR.
2. NEW 480Y/277 V, 3-PHASE, 60 HZ, 4-WIRE SERVICE PAD-MOUNTED TRANSFORMER BY ELECTRIC UTILITY COMPANY. COORDINATE FINAL LOCATION WITH UTILITY COMPANY.
3. PROVIDE SERVICE GROUNDING AS PER DETAIL 5/SHEET 27.
4. PROVIDE CONDUIT AND CONDUCTORS AS PER RACEWAY AND CABLE SCHEDULE. COORDINATE FINAL SIZE WITH UTILITY PRIOR TO INSTALLATION. COORDINATE FINAL LOCATION OF UTILITY POLE WITH UTILITY COMPANY.
5. PROVIDE TAP BOX AND ANY OTHER METERING EQUIPMENT/ACCESSORIES REQUIRED BY THE UTILITY.
6. VERIFY BREAKER SIZE WITH MANUFACTURER AND PROVIDE AS REQUIRED.

CABLE & RACEWAY SCHEDULE

CIRCUIT #	FROM	TAG #	TO	TAG #	CONDUCTORS	CONDUIT	REMARKS
P000	UTILITY POLE	–	UTILITY PAD MOUNT TRANSFORMER	–	BY UTILITY	(2) 4" HDPE	WIRING BY UTILITY. CONDUIT BY E.C. (NOTE 1) (NOTE 2)
P001	UTILITY PAD MOUNT TRANSFORMER	–	UTILITY METER SOCKET	–	4–#3/0	2"	VIA TAP BOX
P002	UTILITY METER SOCKET	–	PANELBOARD	P–1	4–#3/0	2"	
P003	PANELBOARD	P–1	SITE 1 FOUNTAIN POWER CONTROL CENTER	PCC–1	4–#8, #8 GND	1"	
P003A	SITE 1 FOUNTAIN POWER CONTROL CENTER	PCC–1	SITE 1 FOUNTAIN		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P004	PANELBOARD	P–1	SITE 2 MIXER POWER CONTROL CENTER	PCC–2	4–#6, #6 GND	1"	
P004A	SITE 2 MIXER POWER CONTROL CENTER	PCC–2	SITE 2 MIXER		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P005	PANELBOARD	P–1	SITE 3 FOUNTAIN POWER CONTROL CENTER	PCC–3	4–#6, #6 GND	1"	
P005A	SITE 3 FOUNTAIN POWER CONTROL CENTER	PCC–3	SITE 3 FOUNTAIN		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P006	PANELBOARD	P–1	SITE 4 MIXER POWER CONTROL CENTER	PCC–4	4–#6, #6 GND	1"	
P006A	SITE 4 MIXER POWER CONTROL CENTER	PCC–4	SITE 4 MIXER		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P007	PANELBOARD	P–1	SITE 5 FOUNTAIN POWER CONTROL CENTER	PCC–5	4–#6, #6 GND	1"	
P007A	SITE 5 FOUNTAIN POWER CONTROL CENTER	PCC–5	SITE 5 FOUNTAIN		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P008	PANELBOARD	P–1	SITE 6 FOUNTAIN POWER CONTROL CENTER	PCC–6	4–#10, #10 GND	1"	
P008A	SITE 6 FOUNTAIN POWER CONTROL CENTER	PCC–6	SITE 6 FOUNTAIN		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
P009	PANELBOARD	P–1	SITE 7 FOUNTAIN POWER CONTROL CENTER	PCC–7	4–#12, #12 GND	1"	
P009A	SITE 7 FOUNTAIN POWER CONTROL CENTER	PCC–7	SITE 7 FOUNTAIN		#12 POWER CORD	–	SUPPLIED BY MANUFACTURER
NOTES:							
1	COORDINATE QUANTITY, SIZE AND TYPE OF CONDUIT REQUIRED WITH UTILITY COMPANY PRIOR TO INSTALLATION.						
2	PROVIDE UPTURNED SWEEP AT BASE OF POLE AS PER UTILITY REQUIREMENTS.						

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:27 PM
FILE NAME: Electrical-Details-OneLine
PLOT DRIVER: DWG To PDF.pc3
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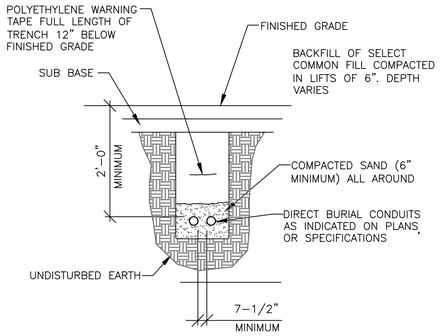
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CITY OF AURORA
MASTODON LAKE DREDGING PROJECT

Electrical One Line Diagram and Schedule

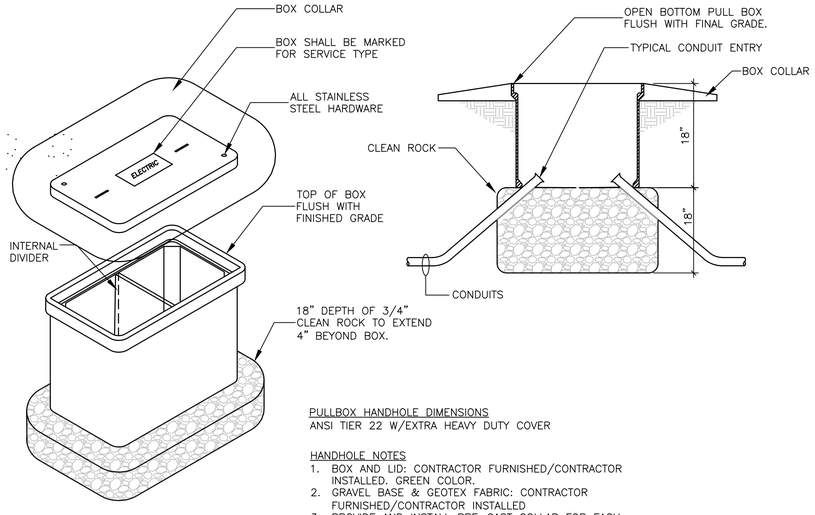
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	32
		CONTRACT NO. _____		
		ILLINOIS	FED. AID PROJECT	



1 DIRECT-BURIED CONDUIT DETAIL

SCALE: NONE



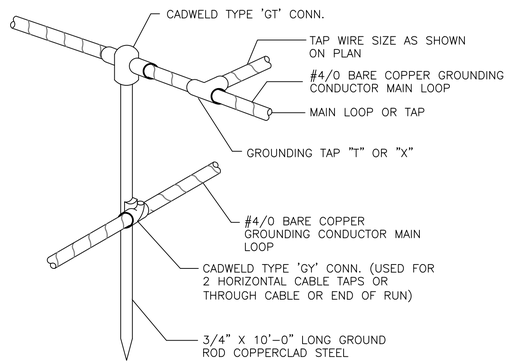
PULLBOX HANDHOLE DIMENSIONS
ANSI TIER 22 W/EXTRA HEAVY DUTY COVER

HANDHOLE NOTES

1. BOX AND LID: CONTRACTOR FURNISHED/CONTRACTOR INSTALLED. GREEN COLOR.
2. GRAVEL BASE & GEOTEX FABRIC: CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
3. PROVIDE AND INSTALL PRE-CAST COLLAR FOR EACH HANDHOLE, REFER TO SECTION 26 0533.16.

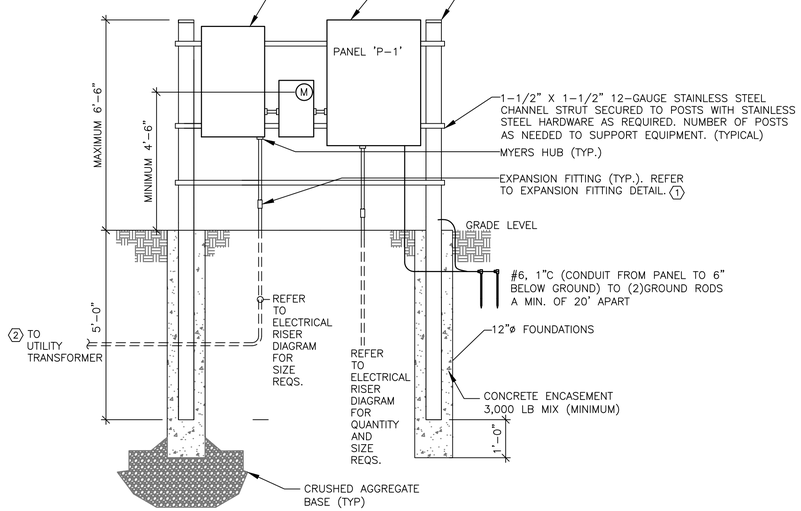
2 HANDHOLE DETAIL

SCALE: NONE



5 CONDUCTOR TO GROUND ROD CONNECTION DETAIL

SCALE: NONE



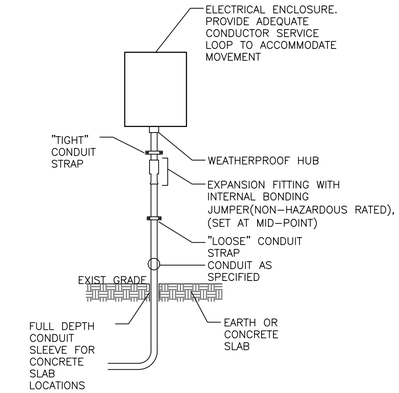
EQUIPMENT RACK KEY NOTES: ⬡

1 CONDUITS: PROVIDE CONDUIT EXPANSION FITTING (4-INCH RATED) IN EACH UNDERGROUND CONDUIT. LOCATE BOTTOM OF EXPANSION FITTING AT LEAST 24-INCHES ABOVE GRADE. REFER TO CONDUIT EXPANSION DETAIL.

2 UTILITY CONNECTION: COORDINATE WITH UTILITY FOR LOCATION OF UTILITY TRANSFORMER AND REQUIREMENTS FOR ROUTING CONDUIT FROM UTILITY TRANSFORMER TO UTILITY METER. PROVIDE ALL NECESSARY ACCESSORIES REQUIRED BY THE UTILITY TO ROUTE CONDUIT FROM TRANSFORMER TO METER.

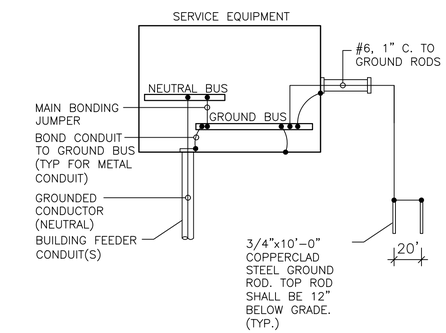
3 EQUIPMENT RACK

SCALE: NONE



4 EXPANSION FITTING DETAIL

SCALE: NONE



5 SERVICE GROUNDING DETAIL

SCALE: NONE

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PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/6/2026 3:27 PM
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PLOT DATE = 2/6/2026	DATE -	REVISED -

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ELECTRICAL DETAILS

SCALE: N.T.S. | SHEET NO. 04 OF 04 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	33	33
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		