



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, DETROIT DISTRICT
REGULATORY OFFICE
SAULT STE. MARIE FIELD OFFICE
312 WEST PORTAGE AVENUE
SAULT STE. MARIE, MICHIGAN 49783

June 17, 2021

Regulatory Office
File Number LRE-1986-350350-R21

David Boyle
City of Sault Ste. Marie
225 East Portage Avenue
Sault Ste. Marie, Michigan 49783

Dear Mr. Boyle:

Please refer to your application for a Department of the Army (DA) permit to renovate the existing seawall and install an outfall in the St. Marys River, at Alford Park, located off East Portage Avenue, Sault Ste. Marie, Michigan. We have verified that the project is authorized by Nationwide Permits 3 and 7, as published in the Federal Register.

You may proceed with the work per the following project description, attached drawings, and attached general and special conditions:

- Install a turbidity barrier in the water column to surround entire work area. Renovate 1,170 linear feet of seawall by removing the existing concrete cap and timber pilings, cut at elevation 574.97 feet IGLD 1985. Install 1,170 feet of 2 foot wide steel-sheet piling following the existing seawall alignment. Backfill with approximately 16,382 cubic yards of gravel and cap with concrete. Excavate approximately 217 cubic yards of material along 1,170 feet of the seawall in an area 5 feet wide by 1 foot deep for the installation of 1,704 cubic yards of toe stone along the waterward side of 920 feet of the steel-sheet piling in an area 5 feet wide by 10 feet deep and discharge approximately 1,296 cubic yards of 16 inch to 24 inch diameter stone adjacent to the northeast/southwest angle portion of the seawall in an area 11 feet wide by 12 feet deep.
- Install a 12 inch diameter outfall and an existing 36 inch diameter outfall.

Special Conditions:

1. If you discover any unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately stop work in that area and notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

2. The replacement seawall must be placed so that its waterward face extends no more than 1 foot from the waterward face of the existing seawall along the entire length of the existing seawall.
3. The seawall shall be in place prior to the deposition of any fill material behind the seawall .
4. All fill shall consist of clean, inert materials from an upland source. The fill material must be free from toxic substances, fines, oil and grease, debris, wood, general refuse, plaster, and other pollutants, and shall contain no broken asphalt, oil-based material, or metal.
5. All dredged and/or excavated materials will be disposed of in upland location(s) landward of the Ordinary High Water Mark with no placement in, or return to, any waterway or wetland.
6. Prior to beginning any work, the permittee shall install commercial-grade silt curtains that extend from a floating boom on the lake surface down to the bed of the waterway. The silt curtain shall continuously and completely enclose the work area. The silt curtain shall be properly anchored onshore, and anchored offshore at 25-foot intervals to provide a stable and functional barrier. The silt curtain shall be maintained in effective working condition until all work is completed and turbidity has returned to background levels. In the event that the silt curtain remains in place overnight, the applicant will coordinate proper marking of the silt curtain with the USCG and their requirements (e.g. lighting, reflective paints, etc.) will become special conditions under this permit.
erosion.
7. Erosion controls, such as silt fencing, shall be placed to prevent discharge material from entering wetlands or waterways. These must be erected prior to starting work, and their effectiveness must be maintained until all work at the site is completed and the area has been stabilized against erosion.
8. The face of the outfall structure is not extend into the receiving water to impair navigation or create shoreline pockets capable of trapping debris.

Any construction activity other than that shown on the plans may not qualify for the authorization. If you contemplate any changes or additional activities from those depicted on the plans, please submit them to this office for authorization review prior to any construction. On completion of the work, you must fill in and return the enclosed COMPLETION REPORT.

This verification is invalid until you obtain an appropriate state permit/certification or waiver thereof. You must not initiate activities authorized under the NWP until all required State authorizations have been received. If local approvals are required, we

recommend you contact the appropriate local government body directly.

We are obligated to provide recipients of permit verifications with a jurisdictional determination (JD) when requested to do so. The Corps of Engineers has the following options with respect to JDs: (1) Approved Jurisdictional Determinations (AJD), which are considered “official” JDs and can be administratively appealed; (2) Preliminary Jurisdictional Determinations (PJD), which are non-binding JDs and advise an affected party that the Corps of Engineers believes there may be waters of the United States on the property that fall under the Corps’ regulatory authority and enables the Corps and a permit applicant or other affected party to resolve certain jurisdiction and permit issues without expending time on making an official determination of the Corps’ jurisdiction; and (3) No Jurisdiction Determination (NJD), which is used in situations where issuance of a JD is deemed unnecessary by a permit applicant or other affected party because Corps’ jurisdiction is undisputed (e.g., work is in a navigable water of the United States) or not subject to question. The NJD option requires less documentation than a PJD and likewise enables the Corps and a permit applicant or other affected party to resolve jurisdiction and permit issues without expending time on an official determination of the Corps’ jurisdiction.

Per the information in your application, we have determined that your project will occur in a navigable water of the United States subject to the Detroit District, U.S. Army Corps of Engineers’ regulatory authority under Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Our listing of navigable waters under the Corps’ regulatory authority within the Detroit District’s geographic area can be found at: <http://www.lre.usace.army.mil/Missions/Regulatory-Program-and-Permits>. As there was no question regarding the Corps’ regulatory jurisdiction during our evaluation of the application, we do not intend to include a JD with this permit verification. Our intent to not issue a JD in this instance does not preclude you from requesting a PJD or an AJD at any time. As noted above, an AJD would provide an official determination of jurisdictional waters on a site and can be administratively appealed.

This verification is valid until the NWP is modified, reissued, or revoked. Forty (40) of the existing NWPs, including the one(s) used for this authorization, are scheduled to be modified, reissued, or revoked prior to March 18, 2022. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit.

As per 33 CFR 325, Appendix A, representatives from this office are allowed to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of the Nationwide Permit.

Should you have any questions, please contact me at the above address, by E-Mail at Sue.P.Bright@usace.army.mil, or by telephone at (906) 635-3462. In all communications, please refer to File Number LRE-1986-350350-N21.

We are interested in your thoughts and opinions concerning your experience with the Detroit District, Corps of Engineers Regulatory Program. If you are interested in letting us know how we are doing, you can complete an electronic Customer Service Survey from our web site at: <https://regulatory.ops.usace.army.mil/customer-service-survey/>. Alternatively, you may contact us and request a paper copy of the survey that you may complete and return to us by mail or fax. Thank you for taking the time to complete the survey, we appreciate your feedback.

Sincerely,



Suzanne P. Bright
Project Manager
Sault Ste. Marie Field Office

Enclosures

Copy Furnished

EGLE, Marquette District Office, (17-Carbide Dock Rehabilitation-Sault Ste Marie),
Hares
NOAA (via e-mail ocs.ndb@noaa.gov)
SmithGroup, Steven Thomas

A. Nationwide Permit General Conditions:

To qualify for NWP authorization, the permittee must comply with the following general conditions, as appropriate. These conditions are selected from those published in the Federal Register that are particularly relevant to the construction and/or operation of this particular authorized activity. The complete text is available at our website <https://www.lre.usace.army.mil/Missions/Regulatory-Program-and-Permits/> under "Detroit Regulatory Quick" select "Detroit District General Permit Types" and then choose "Nationwide Permits with Michigan Regional Conditions" OR "Nationwide Permits with Indiana Regional Conditions"; or, you may contact the Detroit District directly for the information. We have done our best to verify that your project complies with the others, where applicable.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high

flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre- construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

17. Tribal Rights. No NWP activity may cause more than minimal adverse effects on tribal rights (including treaty rights), protected tribal resources, or tribal lands.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed. Direct effects are the immediate effects on listed species and critical habitat caused by the NWP activity. Indirect effects are those effects on listed species and critical habitat that are caused by the NWP activity and are later in time, but still are reasonably certain to occur.

(e) Authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where “take” means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word “harm” in the definition of “take” means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether “incidental take” permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/ THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown

historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

(a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;

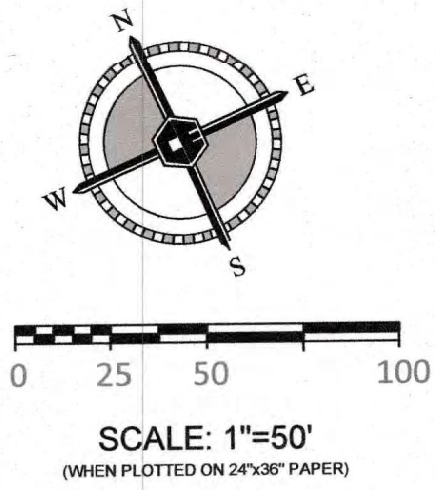
(b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the

certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and

(c) The signature of the permittee certifying the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

B. Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.
2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.
3. NWPs do not grant any property rights or exclusive privileges.
4. NWPs do not authorize any injury to the property or rights of others.
5. NWPs do not authorize interference with any existing or proposed Federal project.



THIS SURVEY WAS PERFORMED USING THE CITY OF SAULT STE. MARIE SURVEY CONTROL. UNITS ARE IN INTERNATIONAL FEET. ELEVATIONS SHOWN ON IN NAVD83, TO CONVERT ELEVATIONS TO IGLD85, LOWER THE ELEVATIONS BY 0.03'.

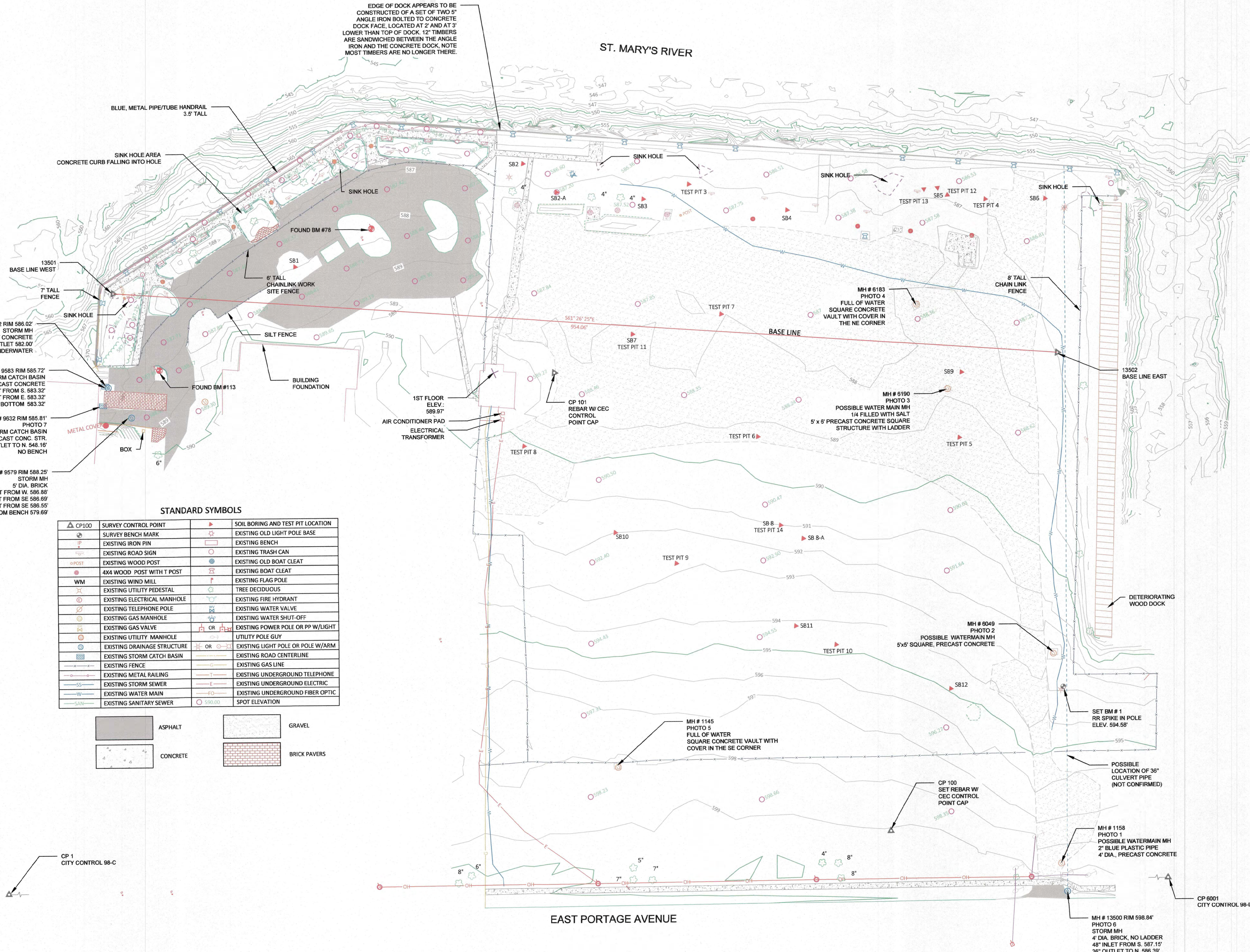
THE 100 YEAR FLOOD PLANE IS 585' AS PER THE FEMA FLOOD INSURANCE RATE MAP NUMBER 26033C0502D, EFFECTIVE DATE OCTOBER 16, 2014, PANEL 502D.

CONTROL POINTS AND BENCH MARKS

NAME	NORTHING	EASTING	ELEVATION
CP 1 (98-C)	636107.62	26917688.55	603.87'
CP 2 (CA26)	635309.47	26919303.15	602.03'
CP 100	635307.82	26919593.91	599.33'
CP 101	635868.09	26919480.30	588.66'
CP 6001 (48-D)	633384.26	26923804.22	589.47'
BM 1 (9354)	635363.58	26919809.00	593.06'
BASELINE CONTROL			
13501 WEST	636128.14	26919110.55	586.04'
13502 EAST	635672.03	26919948.51	587.25'
BM 78 ELEV. BY OTHERS = 589.42'			ELEV. AS LOCATED IN FIELD = 589.33'
BM 113 ELEV. BY OTHERS = 589.50'			ELEV. AS LOCATED IN FIELD = 589.57'

SOIL BORING AND TEST PIT LOCATIONS

NAME	NORTHING	EASTING	ELEVATION
SB 1	636074.74	26919288.31	587.96'
SB 2	636071.56	26919540.36	586.32'
SB 2-A	636031.60	26919558.80	587.20'
SB 3	635988.46	26919635.14	587.43'
SB 4	635917.11	26919761.75	587.97'
SB 5	635872.91	26919908.72	586.49'
SB 6	635817.48	26920002.27	586.40'
SB 7	635869.85	26919668.08	588.34'
SB 8	635632.90	26919622.35	591.00'
SB 8-A	635611.11	26919637.48	591.44'
SB 9	635694.96	26919852.53	588.69'
SB 10	635696.63	26919468.32	592.12'
SB 11	635534.81	26919593.60	593.99'
SB 12	635411.46	26919708.58	595.00'
Test Pit 3	635982.66	26919832.91	587.20'
Test Pit 4	635842.34	26919947.58	586.70'
Test Pit 5	635636.34	26919822.76	588.30'
Test Pit 6	635723.27	26919638.96	588.40'
Test Pit 7	635850.46	26919657.43	587.90'
Test Pit 8	635813.85	26919421.49	590.20'
Test Pit 9	635642.54	26919511.12	592.80'
Test Pit 10	635500.63	26919622.51	594.70'
Test Pit 11	635869.85	26919588.08	588.34'
Test Pit 12	635862.11	26919914.59	586.90'
Test Pit 13	635877.43	26919895.69	586.80'
Test Pit 14	635632.90	26919622.35	591.00'



STANDARD SYMBOLS

CP100	SURVEY CONTROL POINT	SOIL BORING AND TEST PIT LOCATION
EXISTING IRON PIN	EXISTING BENCH MARK	EXISTING OLD LIGHT POLE BASE
EXISTING ROAD SIGN	EXISTING BENCH	EXISTING TRASH CAN
EXISTING WOOD POST	EXISTING OLD BOAT CLEAT	EXISTING BOAT CLEAT
4X4 WOOD POST WITH T POST	EXISTING BOAT CLEAT	EXISTING BOAT CLEAT
EXISTING WIND MILL	EXISTING FLAG POLE	EXISTING FIRE HYDRANT
EXISTING UTILITY PEDESTAL	TREE DECIDUOUS	EXISTING WATER VALVE
EXISTING ELECTRICAL MANHOLE	EXISTING FIRE HYDRANT	EXISTING WATER SHUT-OFF
EXISTING TELEPHONE POLE	EXISTING WATER VALVE	EXISTING POWER POLE OR PP W/LIGHT
EXISTING GAS MANHOLE	EXISTING WATER SHUT-OFF	UTILITY POLE GUY
EXISTING GAS VALVE	EXISTING POWER POLE OR PP W/LIGHT	EXISTING LIGHT POLE OR POLE W/ARM
EXISTING UTILITY MANHOLE	UTILITY POLE GUY	EXISTING ROAD CENTERLINE
EXISTING DRAINAGE STRUCTURE	EXISTING LIGHT POLE OR POLE W/ARM	EXISTING GAS LINE
EXISTING STORM CATCH BASIN	EXISTING ROAD CENTERLINE	EXISTING UNDERGROUND TELEPHONE
EXISTING FENCE	EXISTING GAS LINE	EXISTING UNDERGROUND ELECTRIC
EXISTING METAL RAILING	EXISTING UNDERGROUND TELEPHONE	EXISTING UNDERGROUND FIBER OPTIC
EXISTING STORM SEWER	EXISTING UNDERGROUND ELECTRIC	SPOT ELEVATION
EXISTING WATER MAIN	EXISTING UNDERGROUND FIBER OPTIC	
EXISTING SANITARY SEWER	SPOT ELEVATION	

ASPHALT	GRAVEL
CONCRETE	BRICK PAVERS

SAULT STE. MARIE, MI

CITY OF SAULT STE. MARIE

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
www.smithgroup.com

SEALS AND SIGNATURES

KEY PLAN

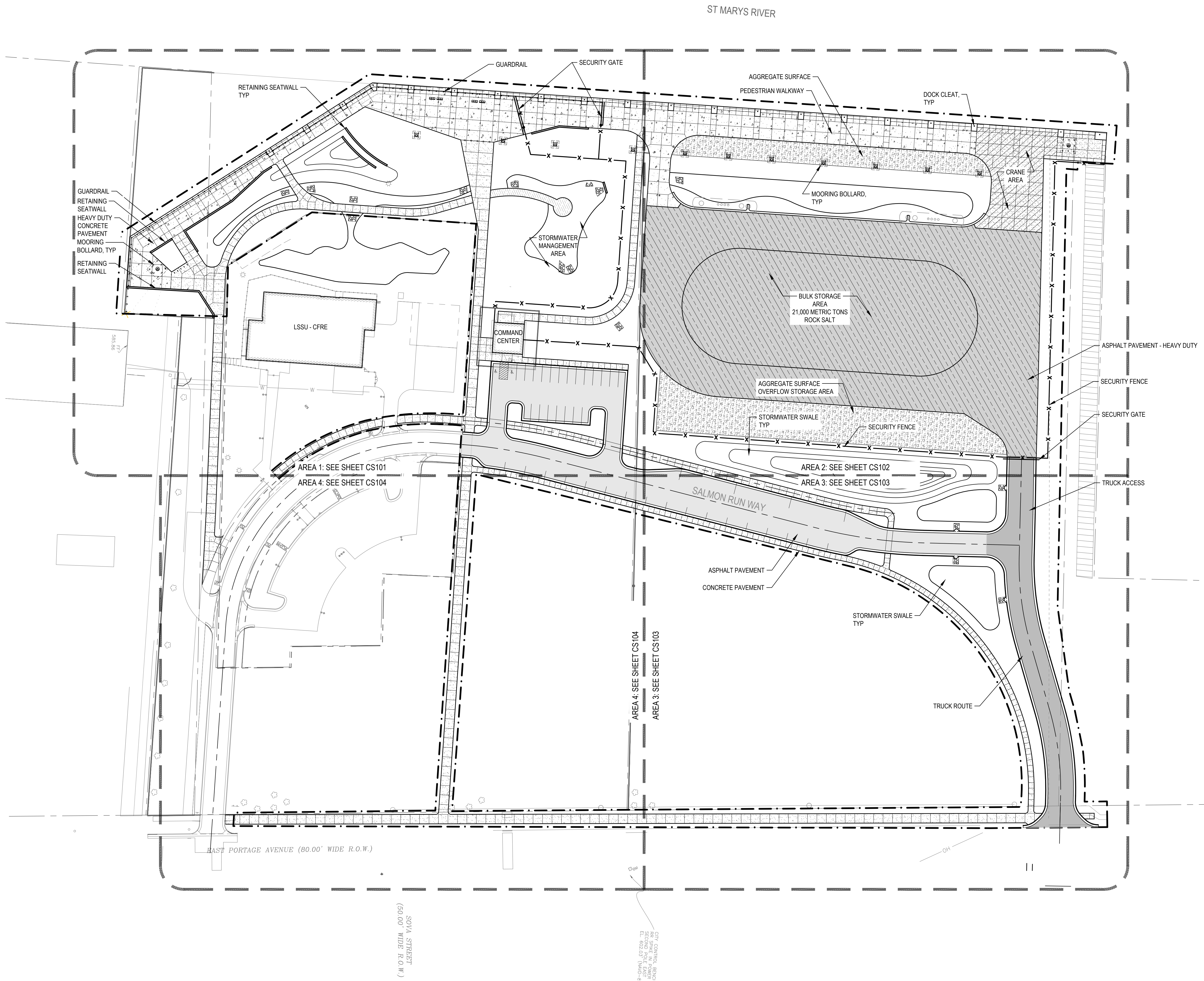
DRAWING TITLE

SOIL EROSION AND
SEDIMENTATION CONTROL
DETAILS

SCALE	12702.000
PROJECT NUMBER	

DRAWING NUMBER



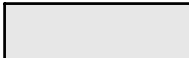


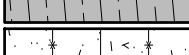
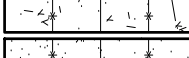

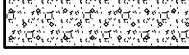
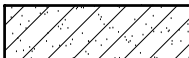








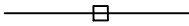




SHEET NOTES

1. USE DIMENSIONS SHOWN ON DRAWINGS FOR LAYOUT OF THE WORK. DO NOT USE SCALE DIMENSIONS FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS. ALL DIMENSIONS SHOWN ARE B/C TO B/C.

KEYED NOTES

LEGEND

	ASPHALT PAVEMENT
	ASPHALT PAVEMENT - CARGO AREA
	ASPHALT PAVEMENT - HEAVY DUTY
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE PAVEMENT
	AGGREGATE SURFACE
	CONCRETE CRANE PAD
	TIMBER BOARDWALK
	MOORING BOLLARD
	SECURITY FENCE
	SECURITY GATE
	BENCH
	BIKE RACK
	RETAINING SEATWALL
	CONCRETE CURB AND GUTTER
	LIGHT POLE
	GUARDRAIL
	DOCK CLEAT
	LIMITS OF CONSTRUCTION

CARBIDE DOCK PORT REHABILITATION

SAULT STE. MARIE, MI

Owner:
CITY OF SAULT STE. MARIE

SMITHGROUP

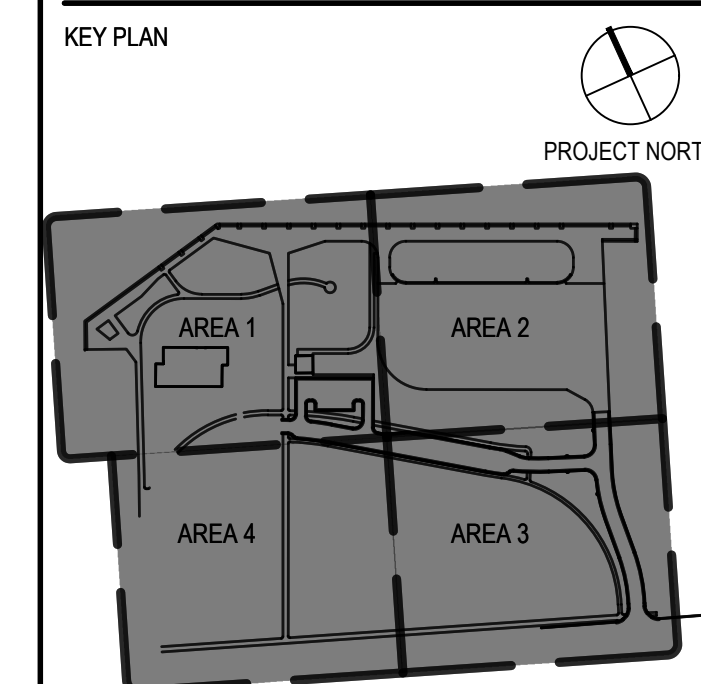
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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEY PLAN



DRAWING TITLE
OVERALL LAYOUT AND
MATERIALS PLAN



SCALE	12702.000
-------	-----------

CS100

DRAWING NUMBER

LAKE SUPERIOR STATE UNIVERSITY
FRESHWATER INTAKE

PROPOSED NEW
OUTFALL

EXISTING 36" CONCRETE
OUTFALL

LEGEND

GATE VALVE BOX
 FIRE HYDRANT ASSEMBLY
 FIRE DEPARTMENT CONNECTION
 STORM STRUCTURE
 INLET
 YARD DRAIN
 WATER QUALITY STRUCTURE
 FLARED END SECTION
 — WATER MAIN
 — STORM SEWER

SAULT STE. MARIE, MI

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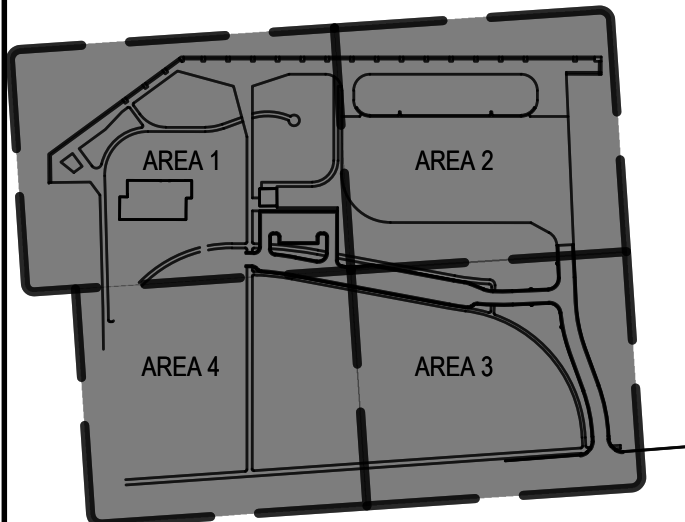
ISSUED FOR	REV	DATE
J0INT PERMIT APPLICATION		05APR2021
PRELIMINARY DESIGN		26MAR2021
SCHEMATIC DESIGN		15JAN2021

SEALS AND SIGNATURES

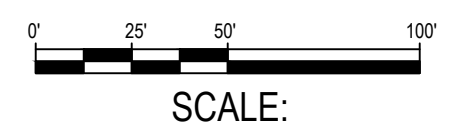
NOT FOR CONSTRUCTION

KEY PLAN

PROJECT NORTH



DRAWING TITLE
OVERALL UTILITY PLAN



SCALE	12702.000
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CU100

DRAWING NUMBER

EGLE-WRD
WRP079323 v1.0
Approved
Issued On:06/15/20
Expires On:06/15/20

FILE: P:\12702.000\CAD\C\12702-CU100.dwg USER: sthomas DATE: Apr, 05 2021 TIME: 12:11 pm

SAULT STE. MARIE, MI

CITY OF SAULT STE. MARIE

201 DEPOT STREET
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SEALS AND SIGNATURES

KEY PLAN

TYPICAL DOCK RECONSTRUCTION SECTIONS

SS300

EGLE-WRD
WRP029323 v1.0
Approved
Issued On:06/15/20



- SCALE: 1/8" = 1'



- SCALE: 1/8" = 1'

FILE:P:\12702.000\CAD\C\12702-SS300.dwg USER:robatham DATE:Apr, 05 2021 TIME: 09:44 am

SAULT STE. MARIE, MI

Owner:

CITY OF SAULT STE. MARIE

SMITHGROUP

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[illegible]

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
STRUCTURAL DETAILS

SCALE 12702.000

PROJECT NUMBER **CS500**

DRAWING NUMBER

EGLE-WRD
WRP029323 v1.
Approved
ed On:06/15/20



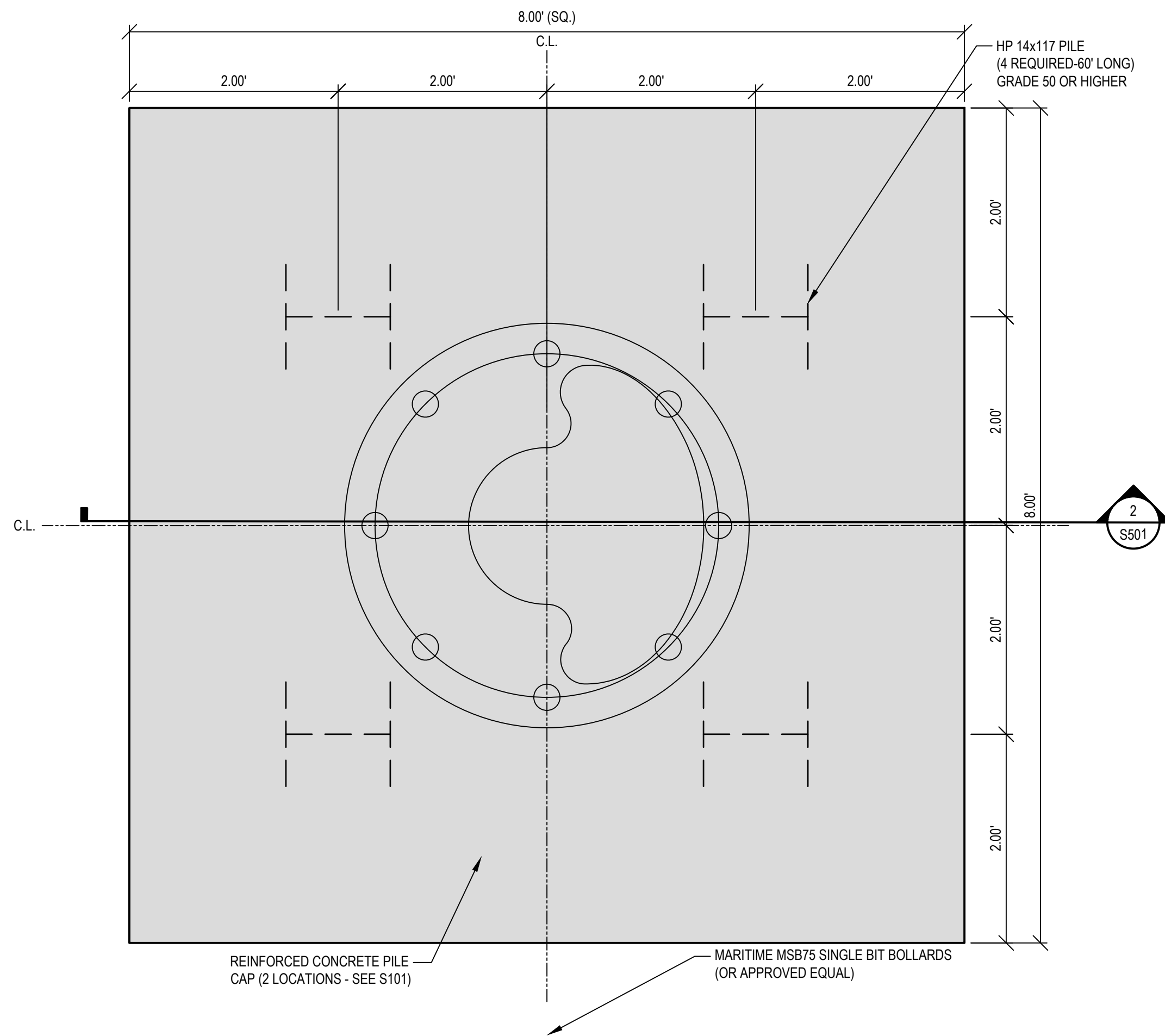
SCALE: 1/2" = 1'



SCALE: 1" = 1'



SCALE: 1/2" = 1'



FILE: P:\12702.000\CAD\C\12702-SS500.dwg USER: rabraham DATE: Apr, 05 2021 TIME: 09:44 am

NATIONWIDE PERMIT COMPLETION REPORT

CELRE-ERC

Chief, Compliance and Enforcement Branch
Regulatory Office
U.S. Army Corps of Engineers
477 Michigan Avenue
Room 603
Detroit, MI 48226-2550

Dear Sir:

You are hereby notified that work verified as qualifying for Nationwide Permit under File No. LRE-1986-350350-N21 to renovate the existing seawall and install an outfall in the St. Marys River, at Alford Park, located off East Portage Avenue, Sault Ste. Marie, Michigan, Chippewa County, Michigan, issued to the City of Sault Ste. Marie was completed in accordance with the verification on:

(Date work completed)

(Permittee's Signature)

IMPORTANT

1. This COMPLETION REPORT MUST BE MAILED to the above addressee within 10 days after completion of work covered by the NATIONWIDE PERMIT to ensure an accurate Government record of data affecting navigation.
2. Where dredging soundings are made of projects which include dredging, a copy of the soundings should accompany this report. If the soundings are measured from the water surface and have not been corrected to International Great Lakes Datum plane, the hour and date soundings was made should be noted on sounding reports.



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



LIESL EICHLER CLARK
DIRECTOR

August 31, 2021

City Engineer, Sault Ste. Marie

SUBJECT: NPDES Permit No. **MIR116757**

Designated Site Name: 17-Carbide Dock Rehabilitation-Sault Ste Marie

Authorization to Discharge Storm Water from Construction Activities under the National Pollutant Discharge Elimination System (NPDES)

This is to acknowledge that the Department of Environment, Great Lakes, and Energy (EGLE) received your complete Notice of Coverage form and \$400 fee. On **August 30, 2021**, you became authorized, under NPDES, to discharge storm water from your construction activities at **Carbide Dock Rehabilitation; E. Portage Ave, Sault Ste. Marie, MI 49783**. The NPDES authorization number for this site is **MIR116757**. Please refer to this number in all future correspondence with the EGLE concerning this permit.

PLEASE NOTE: The authorization to discharge storm water pursuant to the provisions of Michigan's Permit-by-Rule expires on **August 29, 2026**, or when the project has been completed by the stabilization of earth-change activities. A Notice of Termination (NOT) must be submitted to the EGLE once the construction site is completely stabilized. If the NOT is submitted prior to the complete stabilization of the site, a new administratively complete NOC, including the fee, must be submitted to obtain storm water authorization. The NOT form is available in and submitted via the EGLE's MiWaters system. The MiWaters Web site is located at <https://miwaters.DEQ.state.mi.us>.

Please be advised that the authorization to discharge requires that the soil erosion and sedimentation controls be under the supervision of a state-certified storm water operator. A copy of Michigan's Permit-by-Rule can be found on EGLE's Web site at <https://www.michigan.gov/egle>; click on "Water", then "Water Permits", then click on "Surface Water," and then click on "Storm Water." These requirements must be followed during the entire period of your storm water discharge authorization.

The issuance of this permit does not authorize the violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.

If you have any questions about your authorization to discharge storm water, please contact Ms. Tiffany Wilson, Permits Section, Water Resources Division, at 517-256-1425, or wilsont15@michigan.gov, or your agency contact, Mr. Mitch Koetje at 906-202-1464, or KoetjeM@michigan.gov.

Sincerely,

Tarek Buckmaster, Supervisor
Industrial and Storm Water Permits Unit
Permits Section
Water Resources Division



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



LIESL EICHLER CLARK
DIRECTOR

August 18, 2021

City of Sault Ste Marie

SUBJECT: NPDES Permit No. **MIR116741**

Designated Site Name: Sault Ste Marie CM

Authorization to Discharge Storm Water from Construction Activities under the National Pollutant Discharge Elimination System (NPDES)

This is to acknowledge that the Department of Environment, Great Lakes, and Energy (EGLE) received your complete Notice of Coverage form and \$400 fee. On **August 13, 2021**, you became authorized, under NPDES, to discharge storm water from your construction activities at **E Easterday Ave, Sault Ste Marie, MI 49783**. The NPDES authorization number for this site is **MIR116741**. Please refer to this number in all future correspondence with the EGLE concerning this permit.

PLEASE NOTE: The authorization to discharge storm water pursuant to the provisions of Michigan's Permit-by-Rule expires on **August 12, 2026**, or when the project has been completed by the stabilization of earth-change activities. A Notice of Termination (NOT) must be submitted to the EGLE once the construction site is completely stabilized. If the NOT is submitted prior to the complete stabilization of the site, a new administratively complete NOC, including the fee, must be submitted to obtain storm water authorization. The NOT form is available in and submitted via the EGLE's MiWaters system. The MiWaters Web site is located at <https://miwaters.DEQ.state.mi.us>.

Please be advised that the authorization to discharge requires that the soil erosion and sedimentation controls be under the supervision of a state-certified storm water operator. A copy of Michigan's Permit-by-Rule can be found on EGLE's Web site at <https://www.michigan.gov/egle>; click on "Water", then "Water Permits", then click on "Surface Water," and then click on "Storm Water." These requirements must be followed during the entire period of your storm water discharge authorization.

The issuance of this permit does not authorize the violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.

If you have any questions about your authorization to discharge storm water, please contact Ms. Tiffany Wilson, Permits Section, Water Resources Division, at 517-256-1425, or wilsont15@michigan.gov, or your agency contact, Mr. Mitch Koetje at 906-202-1464, or KoetjeM@michigan.gov.

Sincerely,

Tarek Buckmaster, Supervisor
Industrial and Storm Water Permits Unit
Permits Section
Water Resources Division



NOTICE OF AUTHORIZATION

Permit Number: WRP027376 v. 1
Site Name: 17-LSSU CFRE-Sault Ste Marie

Date Issued: January 29, 2021
Expiration Date: January 29, 2026

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; specifically:

- ☐ Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- ☒ Part 301, Inland Lakes and Streams.
- ☐ Part 303, Wetlands Protection.
- ☐ Part 315, Dam Safety.
- ☐ Part 323, Shorelands Protection and Management.
- ☐ Part 325, Great Lakes Submerged Lands.
- ☐ Part 353, Sand Dunes Protection and Management.

Authorized activity:

Installation of (1) 3-foot by 4-foot water intake structure on the bottom of the St. Mary's River at an elevation of 559.00 feet. Intake structure will be placed approximately 20 feet from the headwall into the river, connected by 6-inch HDPE pipe. Intake structure will be located approximately at (46.49693, -84.32897).

To be conducted at property located in Chippewa County, City of Sault Ste. Marie, TRS 47N 01E Sec 05
Waterbody: St. Mary's River

Permittee:
James Becsey, Lake Superior State University
650 W. Easterday Avenue
Sault Ste. Marie, MI 49783

Casey Hares
Marquette District Office
Water Resources Division
906-869-0745

*This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.
Please refer to the above permit number with any questions or concerns.*

EGLE-WRD
WRP027376 v1.0
Approved
Issued On:01/29/2021
Expires On:01/29/2026



**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION
PERMIT**

Issued To:

Lake Superior State University
Attn: James Becsey
650 W. Easterday Avenue
Sault Ste. Marie, MI 49783

Permit No: WRP027376 v.1
Submission No.: HP3-TESD-Y6BCN
Site Name: 17-LSSU CFRE-Sault Ste Marie
Issued: January 29, 2021
Expires: January 29, 2026

This permit is being issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); specifically:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Part 301, Inland Lakes and Streams | <input type="checkbox"/> Part 323, Shorelands Protection and Management |
| <input type="checkbox"/> Part 303, Wetlands Protection | <input type="checkbox"/> Part 325, Great Lakes Submerged Lands |
| <input type="checkbox"/> Part 315, Dam Safety | <input type="checkbox"/> Part 353, Sand Dunes Protection and Management |
| <input type="checkbox"/> Part 31, Water Resources Protection (Floodplain Regulatory Authority) | |

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Authorized Activity:

Installation of (1) 3-foot by 4-foot water intake structure on the bottom of the St. Mary's River at an elevation of 559.00 feet. Intake structure will be placed approximately 20 feet from the headwall into the river, connected by 6-inch HDPE pipe. Intake structure will be located approximately at (46.49693, -84.32897). All work shall be performed in accordance with the attached plans and conditions of this permit. A permit is also required from the U.S. Army Corps of Engineers for this project.

Waterbody Affected: St. Mary's River
Property Location: Chippewa County, City of Sault Ste. Marie, TRS 47N 01E Sec 05,
Property Tax No. 38-1880022

Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.

EGLE-WRD
WRP027376 v1.0
Approved
Issued On:01/29/2021
Expires On:01/29/2026

- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. This permit shall not be assigned or transferred without the written approval of EGLE.
- J. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- K. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
- L. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- M. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- N. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
- O. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
- P. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.
- Q. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- R. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.

- S. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
- T. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- U. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- V. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- W. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
- X. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
1. Authority granted by this permit does not waive permit or program requirements under Part 91 of the NREPA or the need to acquire applicable permits from the CEA. To locate the Soil Erosion Program Administrator for your county, visit www.mi.gov/eglestormwater and select "Soil Erosion and Sedimentation Control Program" under "Related Links."
 2. The authority to conduct the activity as authorized by this permit is granted solely under the provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation to acquire any local, county, state, or federal approval or authorization necessary to conduct the activity.
 3. No fill, excess soil, or other material shall be placed in any wetland, floodplain, or surface water area not specifically authorized by this permit, its plans, and specifications.
 4. This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.
 5. The permit placard shall be kept posted at the work site in a prominent location at all times for the duration of the project or until permit expiration.
 6. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by EGLE, will be for a five-year period beginning on the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.

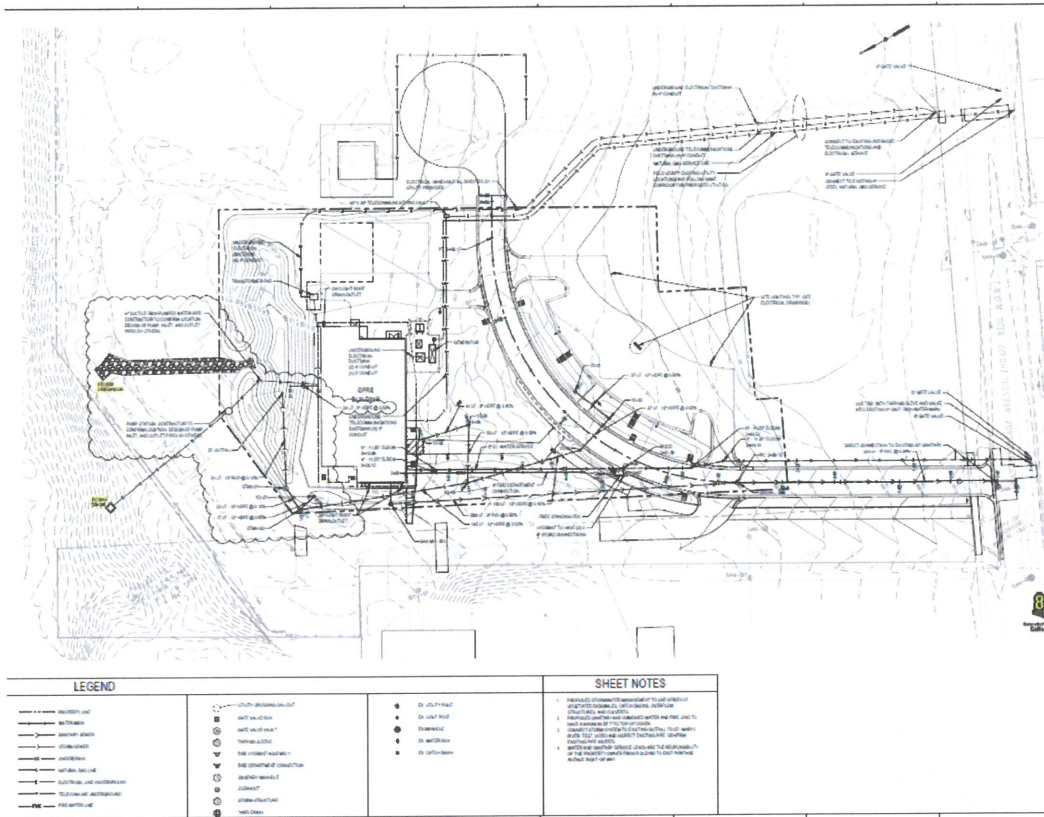
Issued By:

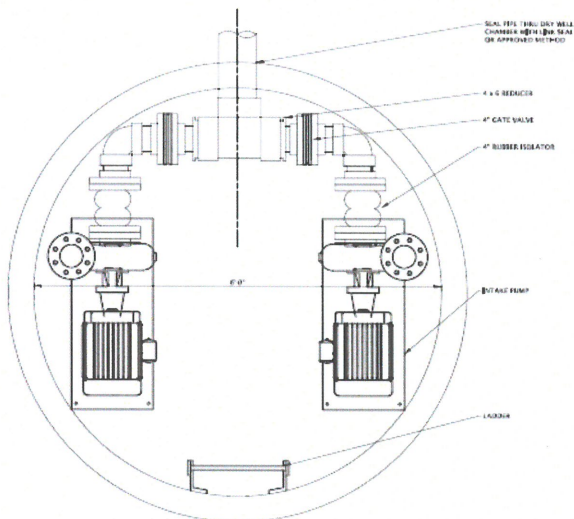


Casey Hares
Marquette District Office
Water Resources Division
906-869-0745

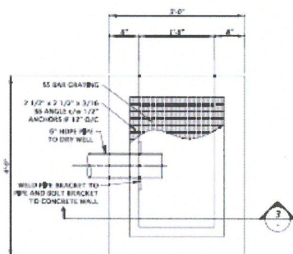
cc: Applicant, James Becsey
USACE, Sue Bright
City of Sault Ste. Marie Clerk

EGLE-WRD
WRP027376 v1.0
Approved
Issued On:01/29/2021
Expires On:01/29/2026

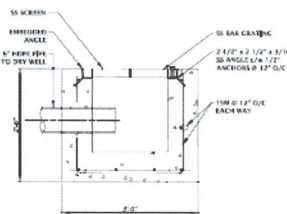




2 RIVER WATER PUMPING STATION PLAN
SCALE: 1/2" = 1'-0" (SEE NOTE)



3 INTAKE STRUCTURE PLAN
SCALE: 1" = 1'-0" (SEE NOTE)



4 INTAKE STRUCTURE SECTION
SCALE: 1" = 1'-0" (SEE NOTE)

LAKE SUPERIOR
STATE UNIVERSITY

CENTER FOR
FRESHWATER RESEARCH
& EDUCATION

1000 WILSON BLVD
SOUTH BEND, IN 46617-1000

SMITHGROUP

1000 CONSUMERS
SOUTH BEND, IN 46617
313.363.3000
www.smithgroup.com

SILK STEVENS
Engineering & Construction

10 MAIN STREET
ST. CROIX, MN 56081
CANADA 506 345
2000 CONSUMERS BLVD
SOUTH BEND, IN 46617-1000

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENT & NATURE
DIVISION OF WATER RESOURCES
DESIGN AND CONSTRUCTION DIVISION
DESIGN ENGINEER

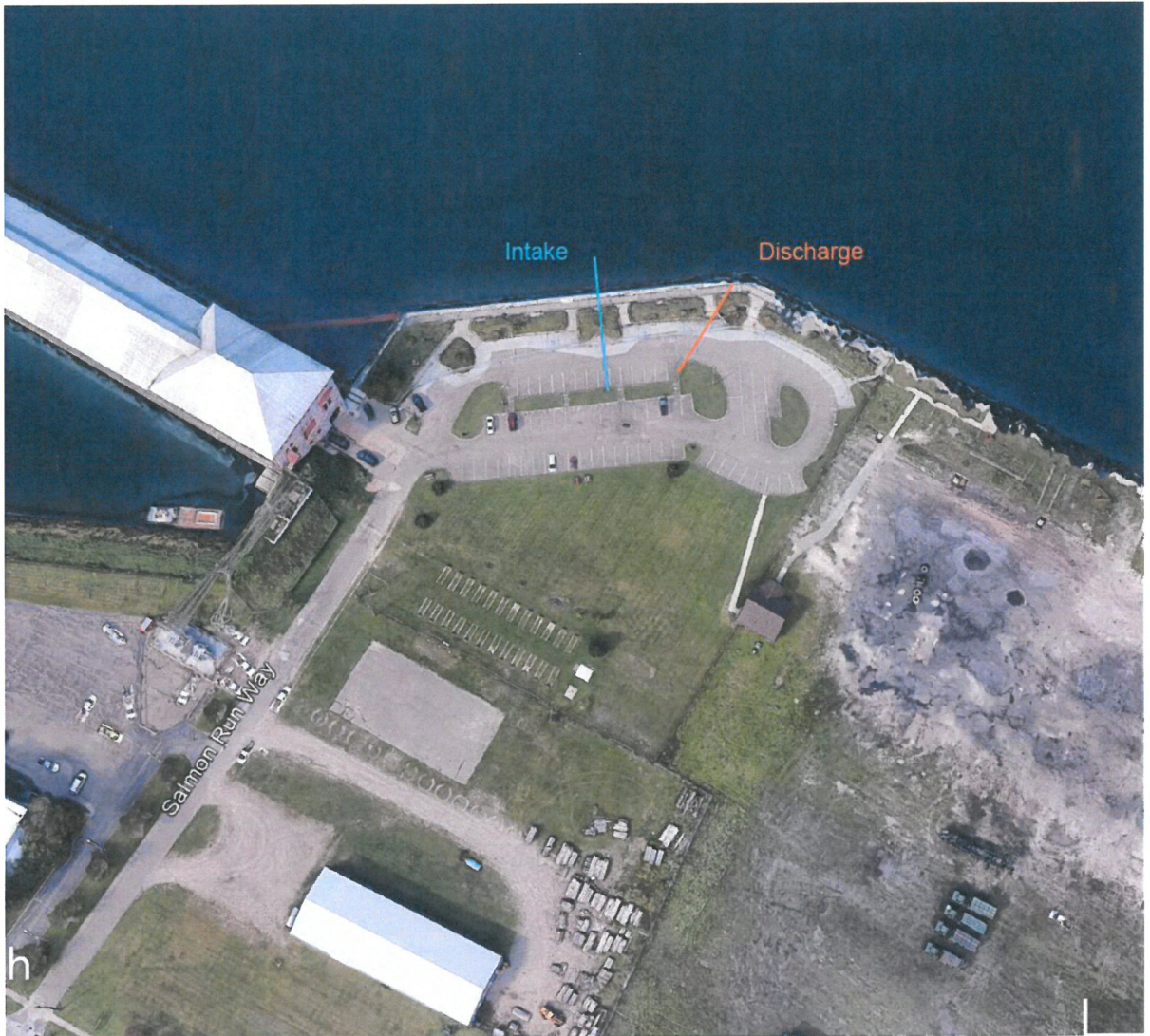
REVISION	DATE

NOT FOR
CONSTRUCTION

FOR REFERENCE ONLY

STAND PIPE PLAN
ELEVATIONS AND DETAILS

PROJECT NUMBER: **P11.4.1**





INDIVIDUAL CONSTRUCTION PERMIT
For Operations within State Highway Right-of-Way

Issued To:
City of Sault Ste. Marie

225 E Portage Ave
Sault S Marie MI 49783-2053

Contact:
Tracey Laitinen
906-632-5734(O)
tlaitinen@saultcity.com

Secondary Contact:
David S. Boyle
906-632-5733(O)
dboyle@saultcity.com

Permit Number: 17032-080449-21-092421
Permit Type: Individual Application
Permit Fee:
Effective Date: Sep 24, 2021 to Sep 26, 2022
Bond Numbers:
Liability Insurance Expiration Date:

Contractor:

C2ae

106 W. Allegan Suite 500
Lansing MI 48906

Contact:

Bill Kimble

906-632-5734(O) 517-202-7323(Cell)
bill.kimble@C2AE.COM

THIS PERMIT IS VALID ONLY FOR THE FOLLOWING PROPOSED OPERATIONS:

PURPOSE:

The reconstruction of Easterday Avenue; Ashmun St. to Ord St. will include but are not necessarily limited to: reconstruction of approximately 1.2 miles of roadway including two (2) roundabouts, water, sanitary sewer and storm sewer infrastructure improvements.

STATE ROUTE: BL-75 **CITY OF:** Sault Ste. Marie **COUNTY:** Chippewa County

NEAREST INTERSECTION:	SIDE OF ROAD:	DISTANCE TO NEAREST INTERSECTION:	(in feet)	DIRECTION TO NEAREST INTERSECTION:
E. Portage Ave.	S	0.00		South

CONTROL SECTION:	MILE POINT FROM:	MILE POINT TO:	LOCATION:			
			LEFT	MEDIAN	RIGHT	TRANSVERSE
17032	4.630	4.630	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

REQUISITION NUMBER: **WORK ORDER NUMBER:** **MDOT JOB NUMBER:** **ORG JOB NUMBER:**

17032-080449-21-092421 Issued To:City of Sault Ste. Marie

This permit is incomplete without "General Conditions and Supplemental Specifications"

I certify that I accept the following:

1. I am the legal owner of this property or facility, the owner's authorized representative, or have statutory authority to work within state highway Right-of-Way.
2. Commencement of work set forth in the permit application constitutes acceptance of the permit as issued.
3. Failure to object, **within ten (10) days** to the permit as issued constitutes acceptance of the permit as issued.
4. If this permit is accepted by either of the above methods, I will comply with the provisions of the permit.
5. I agree that Advance Notice for Permitted Activities for shall be submitted **5 days prior** to the commencement of the proposed work.

I agree that Advance Notice for Permitted Utility Tree Trimming and Tree Removal Activities shall be submitted **15 days prior** to the commencement of the proposed work for an annual permit.

CAUTION

**Work shall NOT begin until the Advance Notice has been approved.
Failure to submit the advance notice may result in a Stop Work Order.**

City of Sault Ste. Marie

Jacob Mathieu
MDOT

September 24, 202
Approved Date

TSC Contact Info

Newberry TSC

(906) 293-5168

**THE STANDARD ATTACHMENTS, ATTACHMENTS AND SPECIAL CONDITIONS MARKED BELOW
ARE A PART OF THIS PERMIT.**

STANDARD ATTACHMENTS:

- 1 Utility Cuts, Trenches And Pavement Replacement Permit Attachment (PA-01)
- 2 ENVIRONMENTAL REQUIREMENTS FOR ACTIVITIES WITHIN MDOT RIGHT-OF-WAY (2486)
- 3 Historical and Archaeological Discoveries During Construction Operations Updated 8/21 (Const. Advisory His
- 4 General Conditions (General Conditions)

ADDITIONAL ATTACHMENTS:

- 1 0- Maintenance Traffic Control Typical.pdf
- 2 SPEC. COND. FOR UTILITY WORK 1.docx
- 3 SUPPLEMENTAL SPECIFICATIONS FOR WORK ZONE TRAFFIC CONTROL.pdf

AMENDMENT ATTACHMENTS:

17032-080449-21-092421 Issued To:City of Sault Ste. Marie

SPECIAL CONDITIONS:

- 1 The Department of Transportation does not, by issuance of this permit, assume any liability claims or maintenance costs resulting from the activity or facility placed by this permit. The Department reserves the right to require removal of all or any portion of this facility as needed for highway maintenance or construction purposes without replacement or reimbursement of any costs incurred by the permitted or other party. The permitted will defend, indemnify and hold harmless the Department for any claims whatsoever resulting from the construction or the removal of the authorized by this permit.
- 2 All disturbed areas within the right of way shall be top-soiled, seeded and mulched to match existing areas per current MDOT standards and specifications.
- 3 Any negative impact to MDOT ROW will be applicant's responsibility to correct to MDOT approval.
- 4 All work shall be within MMUTCD compliant workzone.
- 5 Drive to connect to road via sawcut at full depth asphalt. All paving in ROW to MDOT spec. Joint sealer is required at seam where old pavement meets new.



PERMIT APPLICATION FOR WATER SUPPLY SYSTEMS
(CONSTRUCTION - ALTERATION - ADDITION OR IMPROVEMENT) AS DESCRIBED HEREIN
Required under the Authority of 1976 PA 399, as amended (Act 399)

This application becomes an Act 399 Permit only when signed and issued by authorized Michigan Department of Environment, Great Lakes, and Energy (EGLE) staff. See instructions below for completion of this application.

1. Municipality or Organization, Address and WSSN that will own or control the water facilities to be constructed. This permit is to be issued to: City of Sault Ste Marie WSSN:05950	Permit Stamp Area (EGLE use only) MICH DEPT ENVIRONMENT, GREAT LAKES AND ENERGY PERMIT NO. 229006 JAN 24 22 EXAMINED AND APPROVED FOR COMPLIANCE WITH ACT 399, P.A. 1373	
2. Owner's Contact Person (provide name for questions): Contact: David S. Boyle, PE Title: City Engineer Phone: (906) 632-5606	4. Project Location (City, Village, Township): City of Sault Ste Marie	5. County (location of project): Chippewa County
3. Project Name (Provide phase number if project is segmented): Carbide Dock Port Rehabilitation		

ISSUED UNDER THE AUTHORITY OF THE DIRECTOR OF
THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

cc:

Issued by: 

Reviewed by: 

☐ **If this box is marked see attached special conditions.**

Instructions: Complete items 1 through 5 above and 6 through 21 on the following pages of this application. Print or type all information except for signatures. Mail completed application, plans and specifications, and any attachments to the EGLE District Office having jurisdiction in the area of the proposed construction.

Please Note:

- This **PERMIT** only authorizes the construction, alteration, addition or improvement of the water system described herein and is issued solely under the authority of 1976 PA 399, as amended.
- The issuance of this **PERMIT** does not authorize violation of any federal, state or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.
- This **PERMIT** expires two (2) years after the date of issuance in accordance with R 325.11306, 1976 PA 399, administrative rules, unless construction has been initiated prior to expiration.
- Noncompliance with the conditions of this permit and the requirements of the Act constitutes a violation of the Act.
- Applicant must give notice to public utilities in accordance with 1974 PA 53, (MISS DIG), being Section 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.
- All earth changing activities must be conducted in accordance with the requirements of the Soil Erosion and Sedimentation Control Act, Part 91, 1994 PA 451, as amended (Act 451).
- All construction activity impacting wetlands must be conducted in accordance with the Wetland Protection Act, Part 303, 1994 PA 451, as amended.
- Intentionally providing false information in this application constitutes fraud which is punishable by fine and/or imprisonment.
- Where applicable for water withdrawals, the issuance of this permit indicates compliance with the requirements of Part 327 of Act 451, Great Lakes Preservation Act.

Permit Application for Water Supply Systems (Continued)

- 6. Facilities Description** – In the space below provide a detailed description of the proposed project. Applications without adequate facilities descriptions will be returned. SEE EXAMPLES BELOW. Use additional sheets if needed.

The Carbide Dock Port Rehabilitation proposes to run a fire service water main off of the in-place LSSU-CFRE water main along Salmon Run Way. The proposed fire service is approximately 1,050 feet in length and includes three fire hydrants.

EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES

Water Mains	500 feet of 8-inch water main in First Street from Main Street north to State Street. OR 250 feet of 12-inch water main in Clark Road from an existing 8-inch main in Third Avenue north to a hydrant.
Booster Stations	A booster station located at the southwest corner of Third Avenue and Main Street, and equipped with two, 15 Hp pumps each rated 150 gpm @ 200 feet TDH. Station includes backup power and all other equipment as required for proper operation.
Elevated Storage Tank	A 300,000 gallon elevated storage tank located in City Park. The proposed tank shall be spherical, all welded construction and supported on a single pedestal. The tank shall be 150 feet in height, 40 feet in diameter with a normal operating range of 130 – 145 feet. The interior coating system shall be ANSI/NSF Standard 61 approved or equivalent. The tank will be equipped with a cathodic protection system, and includes a tank level control system with telemetry.
Chemical Feed	A positive displacement chemical feed pump, rated at 24 gpd @ 110 psi to apply a chlorine solution for Well No. 1. Chlorine is 12.5% NaOCL, ANSI/NSF Standard 60 approved and will be applied at a rate of 1.0 mg/l of actual chlorine.
Water Supply Well	Well No. 3, a 200 foot deep well with 170 feet of 8-inch casing and 30 feet of 8-inch, 10 slot screen. The well will be equipped with a 20 Hp submersible pump and motor rated 200 gpm @ 225 feet TDH, set at 160 feet below land surface.
Treatment Facilities	A 5 million gpd water treatment plant located at the north end of Second Avenue. The facility will include 6 low service pumps, 2 rapid mix basins, 4 flocculation/sedimentation basins, 8 dual media filters, 3 million gallon water storage reservoir and 6 high service pumps. Also included are chemical feed pumps and related appurtenances for the addition of alum, fluoride, phosphate and chlorine.

Permit Application for Water Supply Systems (Continued)

General Project Information – Complete all boxes below.	
<p>7. Design engineer's name, engineering firm, address, phone number, and email address: Steven Thomas. PE Civil Engineer, SmithGroup 201 Depot Street, Second Floor, Ann Arbor, MI, 48104 O: 734-669-2735 Steven.thomas@smithgroup.com</p>	<p>8. Indicate who will provide project construction inspection: <input checked="" type="checkbox"/> Organization listed in Box 1. <input type="checkbox"/> Engineering firm listed in Box 7. <input type="checkbox"/> Other - name, address, and phone number listed below.</p>
<p>9. Is a basis of design attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no, briefly explain why a basis of design is not needed. Water Service extension is for fire protection only.</p>	
<p>10. Are sealed and signed engineering plans attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, briefly explain why engineering plans are not needed.</p>	
<p>11. Are sealed and signed construction specifications attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If specifications are not attached, they need to be on file at EGLE.</p>	
<p>12. Were Recommended Standards for Water Works, Suggested Practice for Water Works, AWWA guidelines, and the requirements of Act 399 and its administrative rules followed? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, explain which deviations were made and why.</p>	
<p>13. Are all coatings, chemical additives and construction materials ANSI/NSF or other adequate 3rd party approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, describe what coatings, additives or materials did not meet the applicable standard and why.</p>	
<p>14. Are all water system facilities being installed in the public right-of-way or a dedicated utility easement? (For projects not located in the public right-of-way, utility easements must be shown on the plans.) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no, explain how access will be obtained. The City owns the parcels on which the fire service will be located.</p>	
<p>15. Is the project construction activity within a wetland (as defined by Section 324.30301(d)) of Part 303, 1994 PA 451? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, a wetland permit must be obtained.</p>	
<p>16. Is the project construction activity within a 100-year floodplain (as defined by R 323.1311(e)) of Part 31, 1994 PA 451, administrative rules? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, a flood plain permit must be obtained.</p>	
<p>17. Is the project construction activity within 500 feet of a lake, reservoir, or stream? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If yes, a Soil and Erosion Control Permit must be obtained <u>or</u> indicate if the owner listed in box 2 of this application is an Authorized Public Agency (Section 10 of Part 91, 1994 PA 451) <input checked="" type="checkbox"/> Owner is APA.</p>	

Permit Application for Water Supply Systems (Continued)

18. Will the proposed construction activity be part of a project involving the disturbance of five (5) or more acres of land?

☒ YES ☐ NO

If YES, is this activity regulated by the National Pollutant Discharge Elimination System (NPDES) storm water regulations?

☒ YES: NPDES Authorization to discharge storm water from construction activities must be obtained.

☐ NO: Describe why activity is not regulated.

Please call 517-241-8993 with questions regarding the applicability of the storm water regulations.

19. Is the project in or adjacent to a site of suspected or known soil or groundwater contamination?

☒ YES ☐ NO

If YES, attach a copy of a plan acceptable to EGLE for handling contaminated soils and/or groundwater disturbed during construction. Contact the local EGLE district office for listings of Michigan sites of environmental contamination.

20. IF YOU ARE A CUSTOMER/WHOLESALE/BULK PURCHASER, COMPLETE THE FOLLOWING

1. Name and WSSN of source water supply system (seller): NA
2. Does the water service contract require water producer/seller to review and approve customer/wholesale/bulk purchaser water system construction plans?

☐ YES ☐ NO

If yes to #2, the producer/seller approval letter must be attached when submitted to EGLE.

21. **Owner's Certification** The owner of the proposed facilities or the owner's authorized representative shall complete the owner's certification. It is anticipated that the owner will either be a governmental agency (city, village, township, county, etc.) or a private owner (individual, company, association, etc.) of a Type I public water supply.

OWNER'S CERTIFICATION

I, David S Boyle, P.E. (name), acting as the City Engineer (title/position) for

City of Sault Ste. Marie (entity owning proposed facilities) certify that this project has

been reviewed and approved as detailed by the Plans and Specifications submitted under this application, and is in compliance with the requirements of 1976 PA 399, as amended, and its administrative rules.

[Signature] 8/25/2021 906-632-5733
Signature* Date Phone

*Original signature only, no photocopies will be accepted.



January 14, 2022

EGLE
Attn: Bob London
401 Ketchum St.
Suite B
Bay City, MI 48708

LICH DEPT ENVIRONMENT, CREDIT LINES AND ENERGY

PERMIT NO. 229005 JAN 24 '22

EXAMINED AND APPROVED FOR COMPLIANCE
WITH ACT 309, P.A. 1973

Mr. London,

Please find enclosed the original Permit Application for the watermain involved in the Carbide Dock Project. We have also included 3 sets of specifications for your review.

Please return a set to SmithGroup and a set to us, once reviewed.

Thank you again for your time.

Sincerely,

A handwritten signature in cursive script, reading "Tracey", is positioned above the typed name.

Tracey Laitinen
Project Specialist
tlaitinen@saultcity.com
906.632.5734

225 E. Portage Ave | Sault Ste. Marie, MI 49783 | Phone: 906/632-5700 | www.saultcity.com

The City of Sault Ste. Marie is an equal opportunity provider and employer.

PURE MICHIGAN



NOTICE OF AUTHORIZATION

Permit Number: WRP029323 v. 1

Site Name: 17-Carbide Dock Rehabilitation-Sault Ste Marie

Date Issued: June 15, 2021

Expiration Date: June 15, 2026

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; specifically:

- ☐ Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- ☒ Part 301, Inland Lakes and Streams.
- ☐ Part 303, Wetlands Protection.
- ☐ Part 315, Dam Safety.
- ☐ Part 323, Shorelands Protection and Management.
- ☐ Part 325, Great Lakes Submerged Lands.
- ☐ Part 353, Sand Dunes Protection and Management.

Authorized activity:

Replacement of approximately 1100 linear feet of dock structure and resurfacing of adjacent areas for material/cargo offloading on the St. Mary's River. Existing concrete cap and timber pilings will be cut below the water line and removed. Steel sheet piling will be installed following the existing dock alignment and will measure 1170 feet long, 2 feet wide, 55 feet deep and driven to refusal. Excavation of up to 217 cubic yards of bottomlands along 1170 feet, 5 feet wide, 1 foot deep. Installation of up to 1704 cubic yards of toe stone along the waterward side of the steel sheet piling measuring 920 feet long, 5 feet wide, 10 feet deep. After steel sheet piling installation, up to 14,993 cubic yards of gravel fill will be installed as backfill, as well as other tie-back measures. A concrete cap and water edge surface treatments will be constructed. Installation of up to 1296 cubic yards of 16-inch- to 24-inch-diameter angular stone along 200 linear feet of the NE/SW angled portion of the seawall outside of the navigation channel for habitat replacement. Installation of (1) 12-inch outfall and existing 36-inch-diameter outfall. Both invert elevations are 578.0 feet.

To be conducted at property located in Chippewa County, City of Sault Ste. Marie, TRS 47N 01E Sec 05
Waterbody: St. Mary's River

Permittee:
City of Sault Ste. Marie
225 East Portage Ave
Sault Ste. Marie, MI 49783

Casey Hares
Marquette District Office
Water Resources Division
906-869-0745

*This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.*
Please refer to the above permit number with any questions or concerns.

EGLE-WRD
WRP029323 v1.0
Approved
Issued On:06/15/2021
Expires On:06/15/2026



**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION
PERMIT**

Issued To:

**City of Sault Ste. Marie
225 East Portage Ave
Sault Ste. Marie, MI 49783**

**Permit No: WRP029323 v.1
Submission No.: HP6-WQCV-8088M
Site Name: 17-Carbide Dock Rehabilitation-Sault Ste Marie
Issued: June 15, 2021
Expires: June 15, 2026**

This permit is being issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); specifically:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Part 301, Inland Lakes and Streams | <input type="checkbox"/> Part 323, Shorelands Protection and Management |
| <input type="checkbox"/> Part 303, Wetlands Protection | <input type="checkbox"/> Part 325, Great Lakes Submerged Lands |
| <input type="checkbox"/> Part 315, Dam Safety | <input type="checkbox"/> Part 353, Sand Dunes Protection and Management |
| <input type="checkbox"/> Part 31, Water Resources Protection (Floodplain Regulatory Authority) | |

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Authorized Activity:

Replacement of approximately 1100 linear feet of dock structure and resurfacing of adjacent areas for material/cargo offloading on the St. Mary's River. Existing concrete cap and timber pilings will be cut below the water line and removed. Steel sheet piling will be installed following the existing dock alignment and will measure 1170 feet long, 2 feet wide, 55 feet deep and driven to refusal. Excavation of up to 217 cubic yards of bottomlands along 1170 feet, 5 feet wide, 1 foot deep. Installation of up to 1704 cubic yards of toe stone along the waterward side of the steel sheet piling measuring 920 feet long, 5 feet wide, 10 feet deep. After steel sheet piling installation, up to 14,993 cubic yards of gravel fill will be installed as backfill, as well as other tie-back measures. A concrete cap and water edge surface treatments will be constructed. Installation of up to 1296 cubic yards of 16-inch- to 24-inch-diameter angular stone along 200 linear feet of the NE/SW angled portion of the seawall outside of the navigation channel for habitat replacement. Installation of (1) 12-inch outfall and existing 36-inch-diameter outfall. Both invert elevations are 578.0 feet. All work shall be performed in accordance with the attached plans and conditions of this permit. A permit is also required from the U.S. Army Corps of Engineers for this project.

Waterbody Affected: St. Mary's River
Property Location: Chippewa County, City of Sault Ste. Marie, TRS 47N 01E Sec 05,
Property Tax No. 051-010-501-00 and 051-011-001-00 and 051-012-001-000

Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary, to protect his rights.
- I. This permit shall not be assigned or transferred without the written approval of EGLE.
- J. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- K. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
- L. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- M. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- N. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
- O. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
- P. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may

be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.

- Q. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- R. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- S. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
- T. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- U. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- V. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- W. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
- X. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
 - 1. Authority granted by this permit does not waive permit or program requirements under Part 91 of the NREPA or the need to acquire applicable permits from the CEA. To locate the Soil Erosion Program Administrator for your county, visit www.mi.gov/eglestormwater and select "Soil Erosion and Sedimentation Control Program" under "Related Links."
 - 2. The authority to conduct the activity as authorized by this permit is granted solely under the provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation to acquire any local, county, state, or federal approval or authorization necessary to conduct the activity.
 - 3. No fill, excess soil, or other material shall be placed in any wetland, floodplain, or surface water area not specifically authorized by this permit, its plans, and specifications.
 - 4. This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.
 - 5. The permit placard shall be kept posted at the work site in a prominent location at all times for the duration of the project or until permit expiration.
 - 6. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by EGLE, will be for a five-year period beginning on the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.
 - 7. All dredge/excavated spoils including organic and inorganic soils, vegetation, and other material removed shall be placed on upland (non-wetland, non-floodplain or non-bottomland), prepared for stabilization, and stabilized with sod and/or seed and mulch in such a manner to prevent and ensure against erosion of any material into any waterbody, wetland, or floodplain.
 - 8. All fill/backfill shall consist of clean inert material that will not cause siltation nor contain soluble chemicals, organic matter, pollutants, or contaminants. All fill shall be contained in such a manner so as not to erode into any surface water, floodplain, or wetland. All raw areas associated with the

permitted activity shall be stabilized with sod and/or seed and mulch, riprap, or other technically effective methods as necessary to prevent erosion.

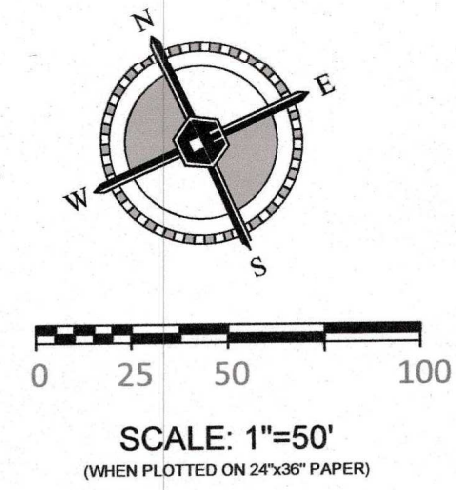
9. Prior to commencing installation of the shore protection structure, the entire lakeward perimeter of the project site shall be isolated with a turbidity curtain to prevent movement of suspended sediments. The turbidity curtain shall be installed to extend from the bed of the waterbody to a point above the existing water's surface. The turbidity curtain shall be maintained for the duration of the project and shall be left in place after completion until all disturbed sediments have settled.
10. The permittee is hereby cautioned that any discharge of sediment into waters of the state is a violation of Part 31, Water Resources Protection, of the NREPA. Any sedimentation caused by the construction or use of the permitted structure, subjects the permittee to provisions of Part 31.
11. In accordance with the requirements of the United States Coast Guard, should it become necessary to allow watercraft to pass through the project area at any time during the authorized construction, then appropriate measures shall be taken to allow for watercraft passage. Notification shall be made to the United States Coast Guard, 30 days prior to starting the project. Notify: United States Coast Guard, 9th Coast Guard District, 1240 East Ninth Street, Cleveland, Ohio, 44199-2060; Attention: O.B.R.

Issued By:



Casey Hares
Marquette District Office
Water Resources Division
906-869-0745

cc: Applicant, David Boyle
Agent, Steven Thomas
City of Sault Ste. Marie Clerk
Chippewa CEA
USACE, Sue Bright



THIS SURVEY WAS PERFORMED USING THE CITY OF SAULT STE. MARIE SURVEY CONTROL. UNITS ARE IN INTERNATIONAL FEET. ELEVATIONS SHOWN ON IN NAVD83, TO CONVERT ELEVATIONS TO IGLD85, LOWER THE ELEVATIONS BY 0.03'.

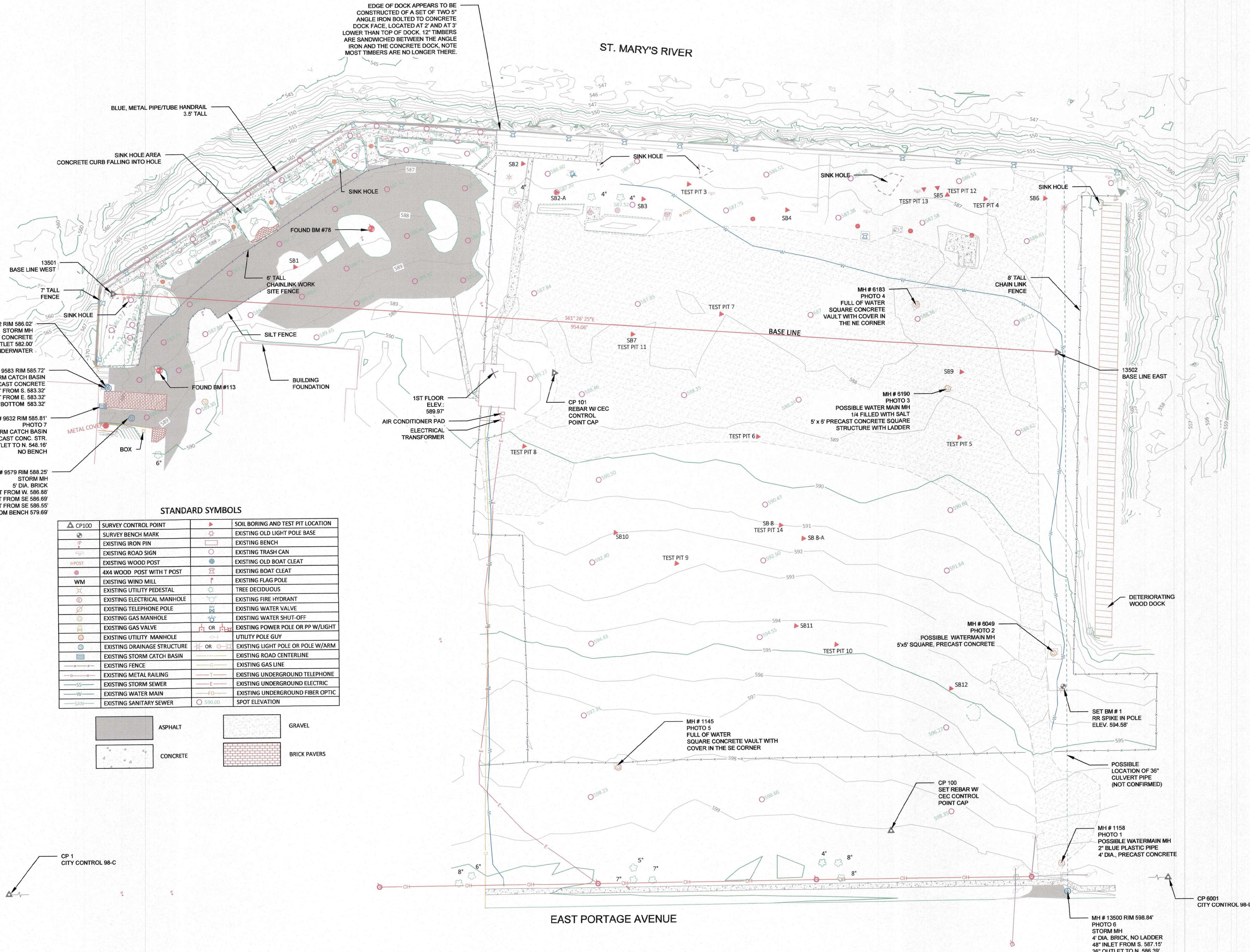
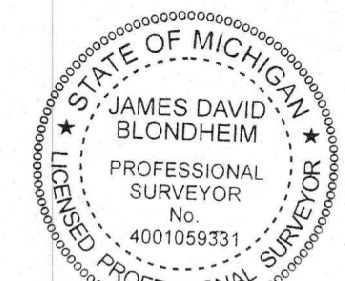
THE 100 YEAR FLOOD PLANE IS 585' AS PER THE FEMA FLOOD INSURANCE RATE MAP NUMBER 26033C0502D, EFFECTIVE DATE OCTOBER 16, 2014, PANEL 502D.

CONTROL POINTS AND BENCH MARKS

NAME	NORTHING	EASTING	ELEVATION
CP 1 (98-C)	636107.62	26917688.55	603.87'
CP 2 (CA26)	635309.47	26919303.15	602.03'
CP 100	635307.82	26919593.91	599.33'
CP 101	635868.09	26919480.30	588.66'
CP 6001 (48-D)	633384.26	26923804.22	589.47'
BM 1 (9354)	635363.58	26919809.00	593.06'
BASELINE CONTROL			
13501 WEST	636128.14	26919110.55	586.04'
13502 EAST	635672.03	26919948.51	587.25'
BM 78 ELEV. BY OTHERS = 589.42'			ELEV. AS LOCATED IN FIELD = 589.33'
BM 113 ELEV. BY OTHERS = 589.50'			ELEV. AS LOCATED IN FIELD = 589.57'

SOIL BORING AND TEST PIT LOCATIONS

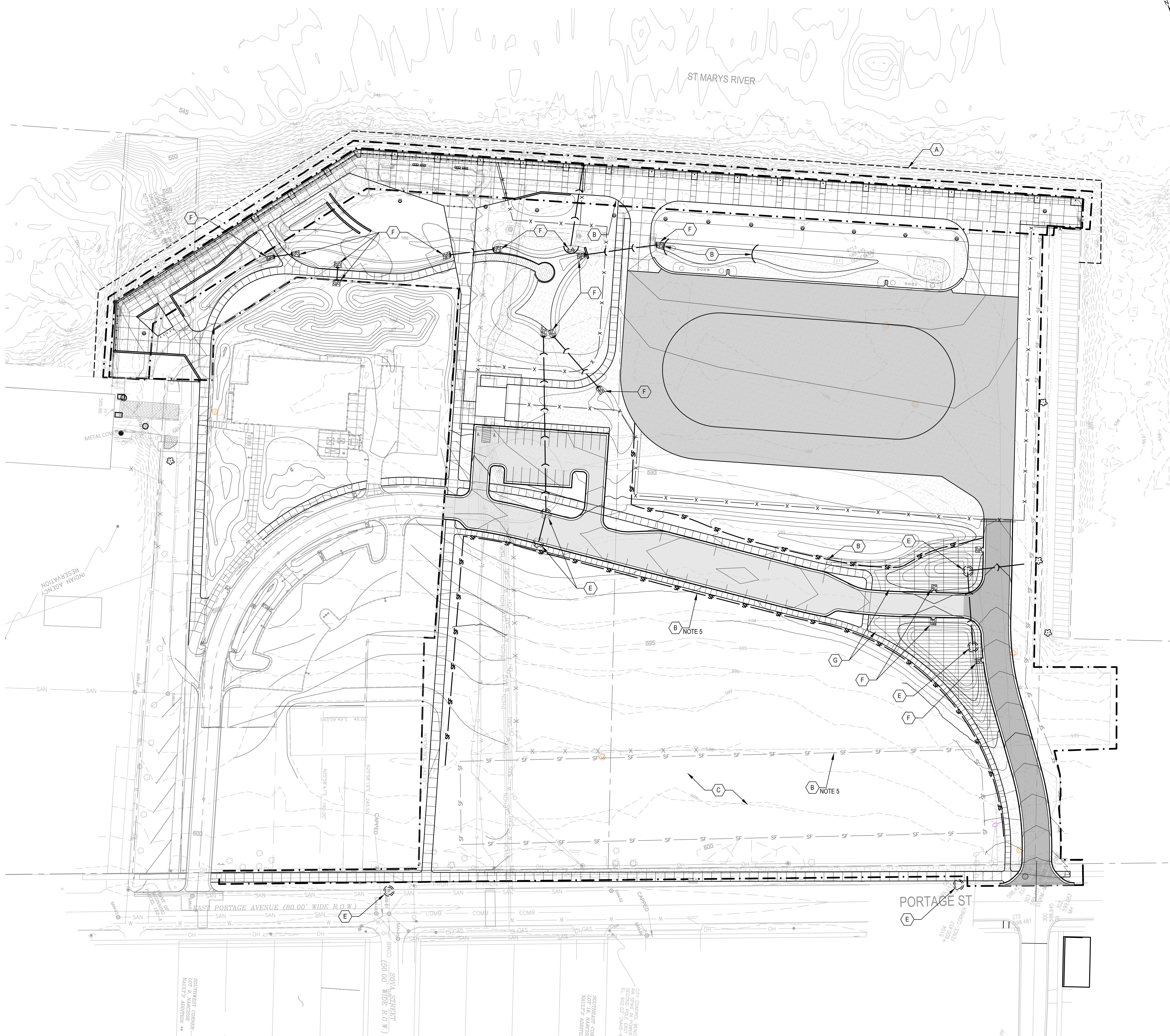
NAME	NORTHING	EASTING	ELEVATION
SB 1	636074.74	26919288.31	587.96'
SB 2	636071.56	26919540.36	586.32'
SB 2-A	636031.60	26919558.80	587.20'
SB 3	635988.46	26919635.14	587.43'
SB 4	635917.11	26919761.75	587.97'
SB 5	635872.91	26919908.72	586.49'
SB 6	635817.48	26920002.27	586.40'
SB 7	635869.85	26919668.08	588.34'
SB 8	635632.90	26919622.35	591.00'
SB 8-A	635611.11	26919637.48	591.44'
SB 9	635694.96	26919852.53	588.69'
SB 10	635696.63	26919468.32	592.12'
SB 11	635534.81	26919593.60	593.99'
SB 12	635411.46	26919708.58	595.00'
Test Pit 3	635982.66	26919832.91	587.20'
Test Pit 4	635842.34	26919947.58	588.30'
Test Pit 5	635636.34	26919822.76	588.30'
Test Pit 6	635723.27	26919638.96	589.40'
Test Pit 7	635850.46	26919657.43	587.90'
Test Pit 8	635813.85	26919421.49	590.20'
Test Pit 9	635642.54	26919511.12	592.80'
Test Pit 10	635500.63	26919622.51	594.70'
Test Pit 11	635869.85	26919588.08	588.34'
Test Pit 12	635862.11	26919914.59	586.90'
Test Pit 13	635877.43	26919895.69	586.80'
Test Pit 14	635632.90	26919622.35	591.00'



STANDARD SYMBOLS

CP100	SURVEY CONTROL POINT	SOIL BORING AND TEST PIT LOCATION
EXISTING IRON PIN	EXISTING BENCH	EXISTING OLD LIGHT POLE BASE
EXISTING ROAD SIGN	EXISTING BENCH	EXISTING TRASH CAN
EXISTING WOOD POST	EXISTING BOAT CLEAT	EXISTING OLD BOAT CLEAT
4X4 WOOD POST WITH T POST	EXISTING BOAT CLEAT	EXISTING BOAT CLEAT
EXISTING WIND MILL	EXISTING FLAG POLE	EXISTING FLAG POLE
EXISTING UTILITY PEDESTAL	TREE DECIDUOUS	TREE DECIDUOUS
EXISTING ELECTRICAL MANHOLE	EXISTING FIRE HYDRANT	EXISTING FIRE HYDRANT
EXISTING TELEPHONE POLE	EXISTING WATER VALVE	EXISTING WATER VALVE
EXISTING GAS MANHOLE	EXISTING WATER SHUT-OFF	EXISTING WATER SHUT-OFF
EXISTING GAS VALVE	EXISTING POWER POLE OR PP W/LIGHT	EXISTING POWER POLE OR PP W/LIGHT
EXISTING UTILITY MANHOLE	UTILITY POLE GUY	UTILITY POLE GUY
EXISTING DRAINAGE STRUCTURE	EXISTING LIGHT POLE OR POLE W/ARM	EXISTING LIGHT POLE OR POLE W/ARM
EXISTING STORM CATCH BASIN	EXISTING ROAD CENTERLINE	EXISTING ROAD CENTERLINE
EXISTING FENCE	EXISTING GAS LINE	EXISTING GAS LINE
EXISTING METAL RAILING	EXISTING UNDERGROUND TELEPHONE	EXISTING UNDERGROUND TELEPHONE
EXISTING STORM SEWER	EXISTING UNDERGROUND ELECTRIC	EXISTING UNDERGROUND ELECTRIC
EXISTING WATER MAIN	EXISTING UNDERGROUND FIBER OPTIC	EXISTING UNDERGROUND FIBER OPTIC
EXISTING SANITARY SEWER	SPOT ELEVATION	SPOT ELEVATION

ASPHALT	GRAVEL
CONCRETE	BRICK PAVERS



SHEET NOTES

CARBIDE DOCK PORT REHABILITATION

Owner:

SMITHGROUP

KEYED NOTES

LEGEND

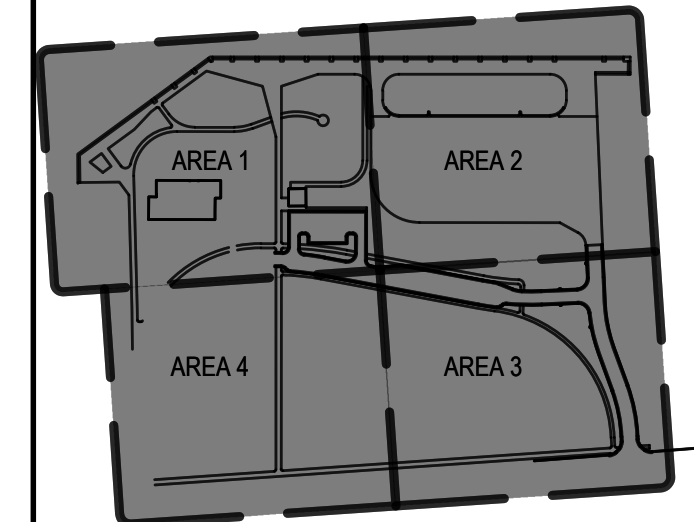
ISSUED FOR

JOINT PERMIT APPLICATION

PRELIMINARY DESIGN

SEALS AND SIGNATURES

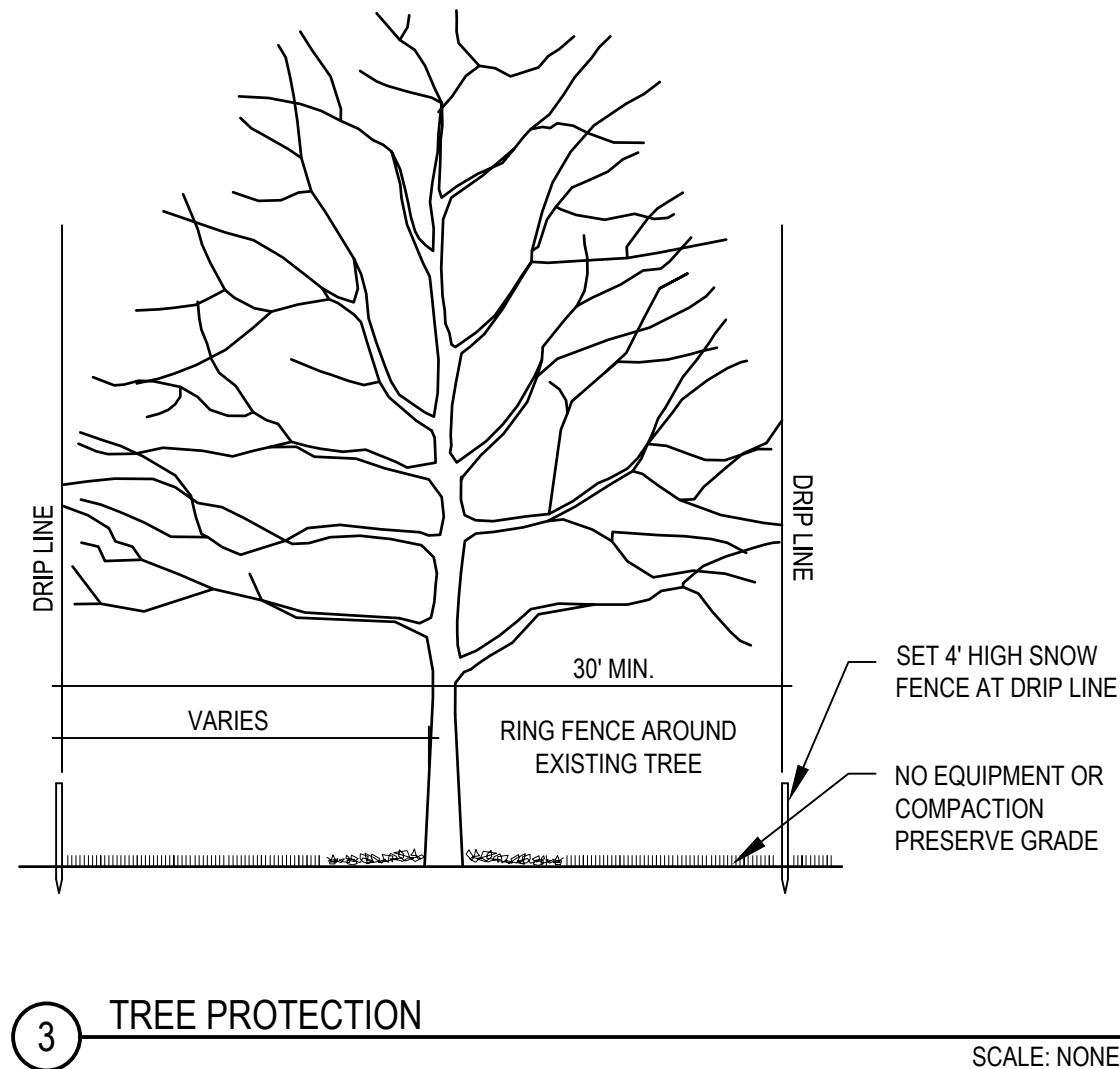
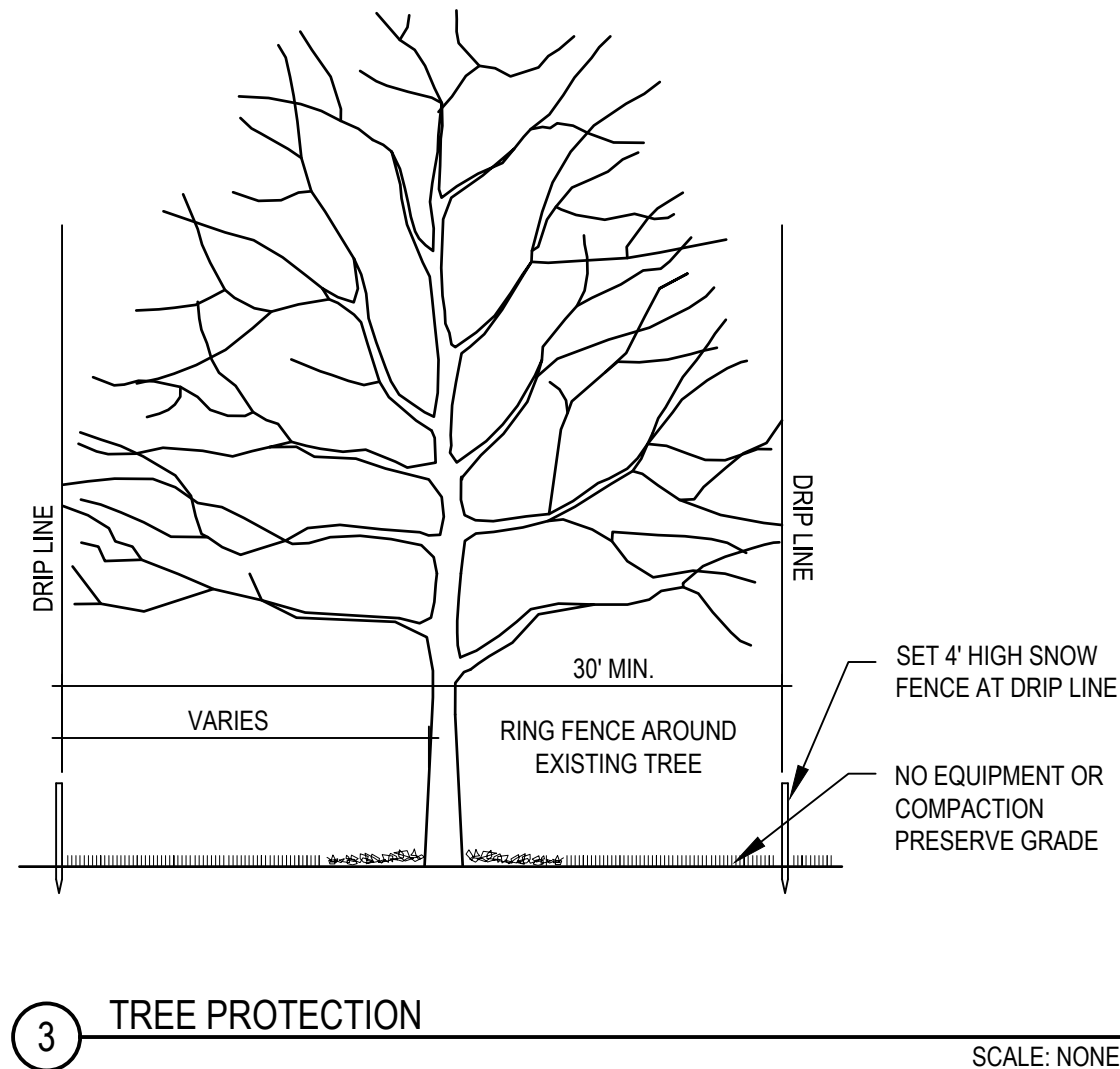
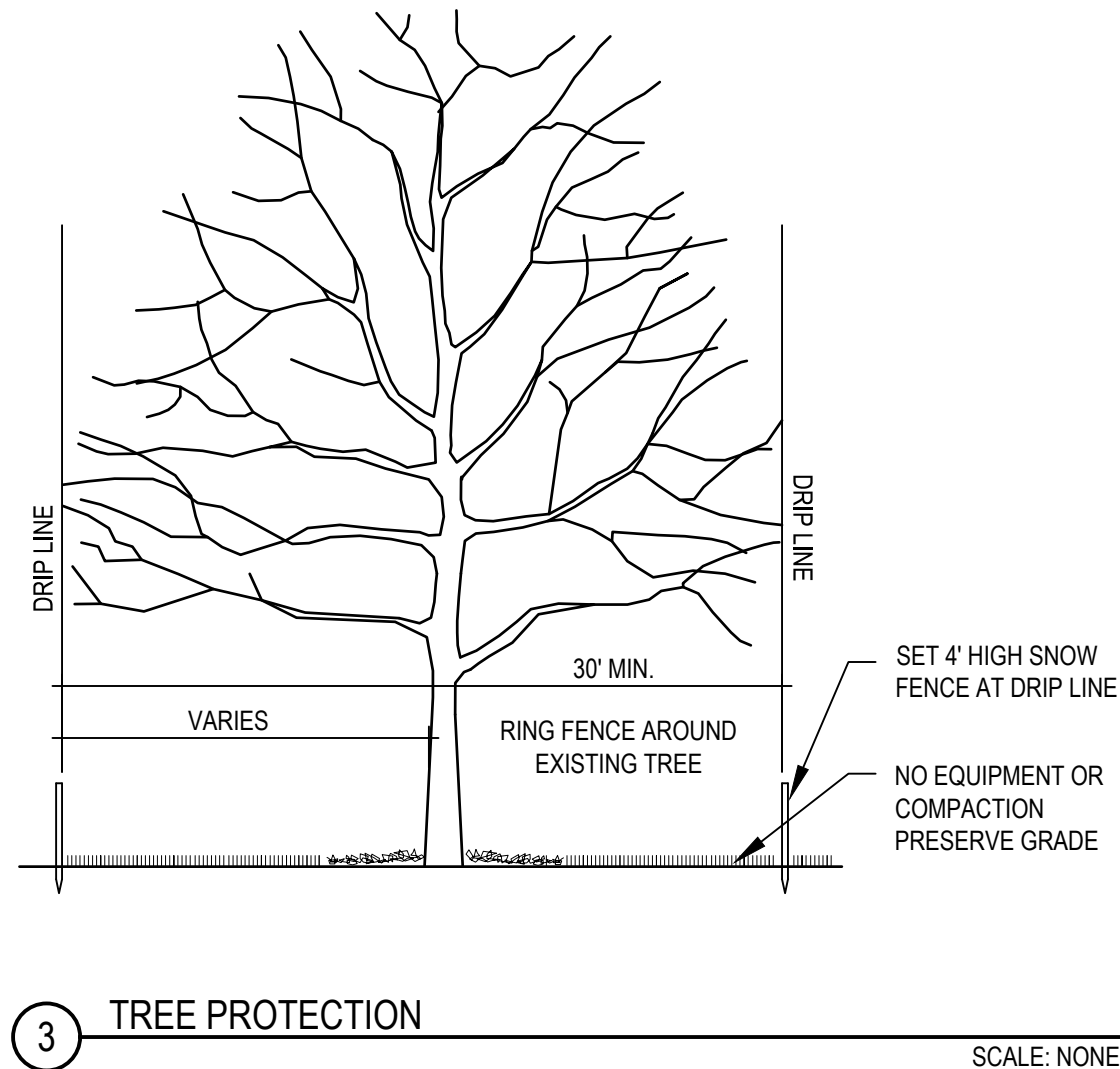
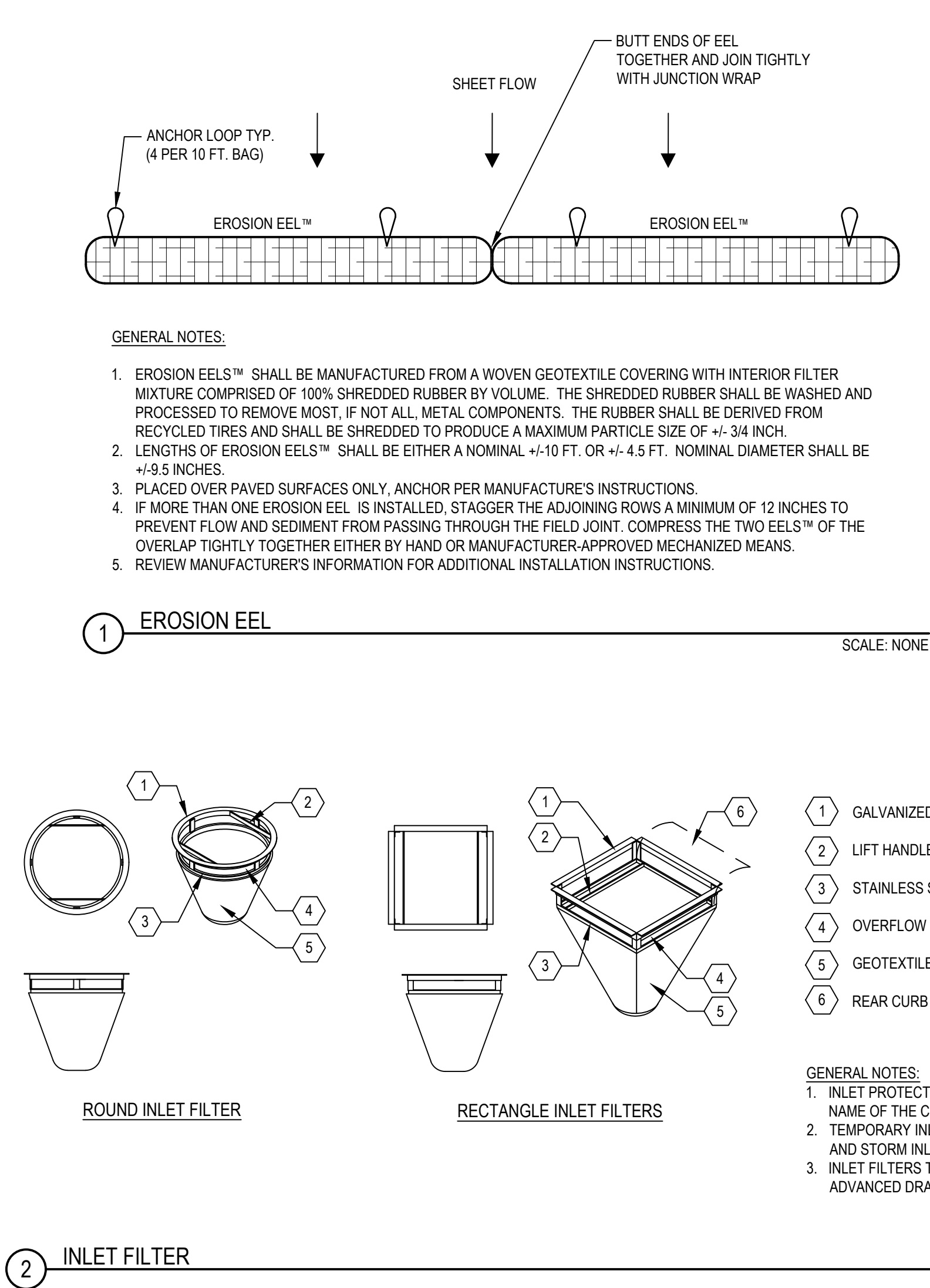
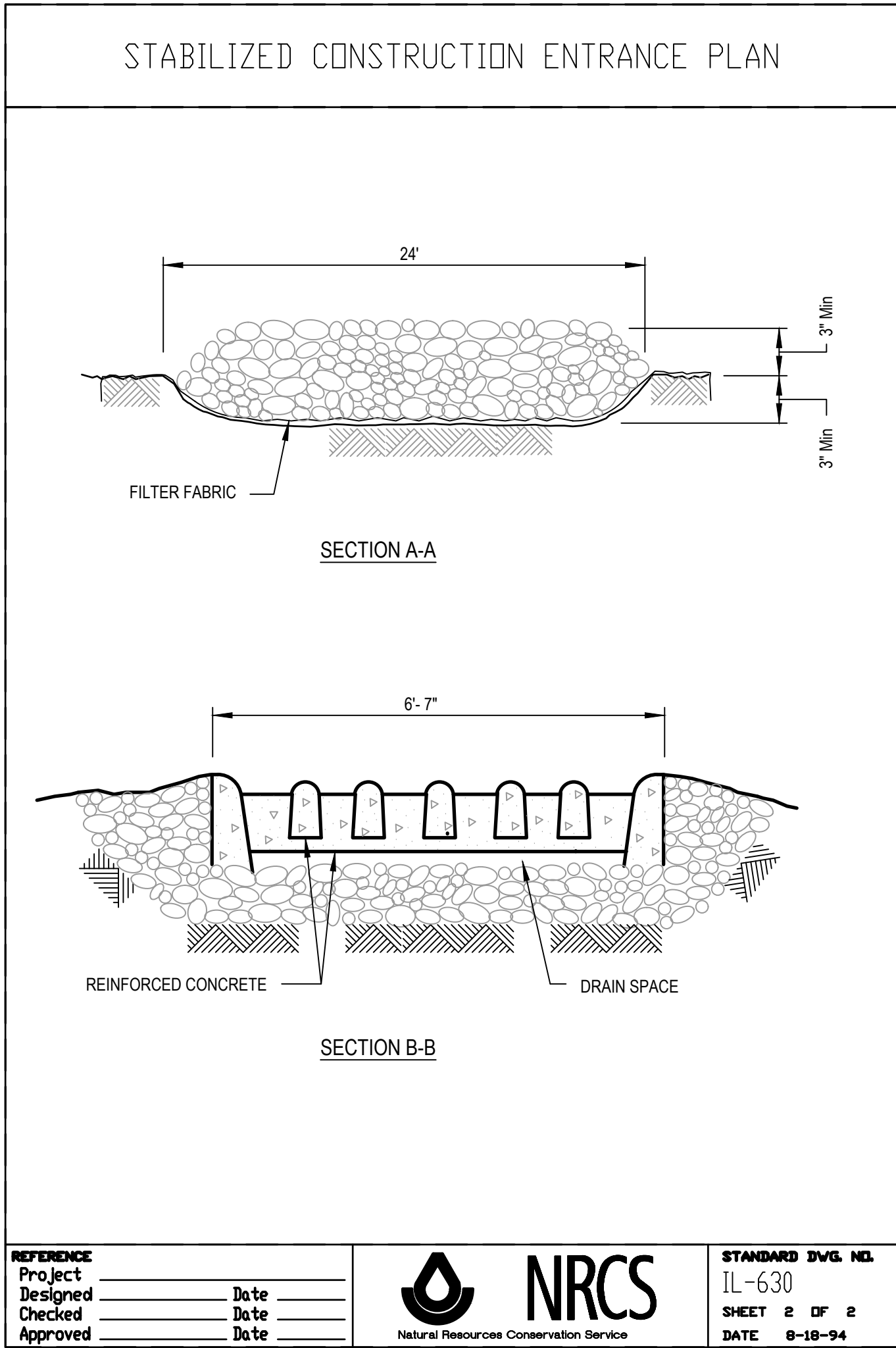
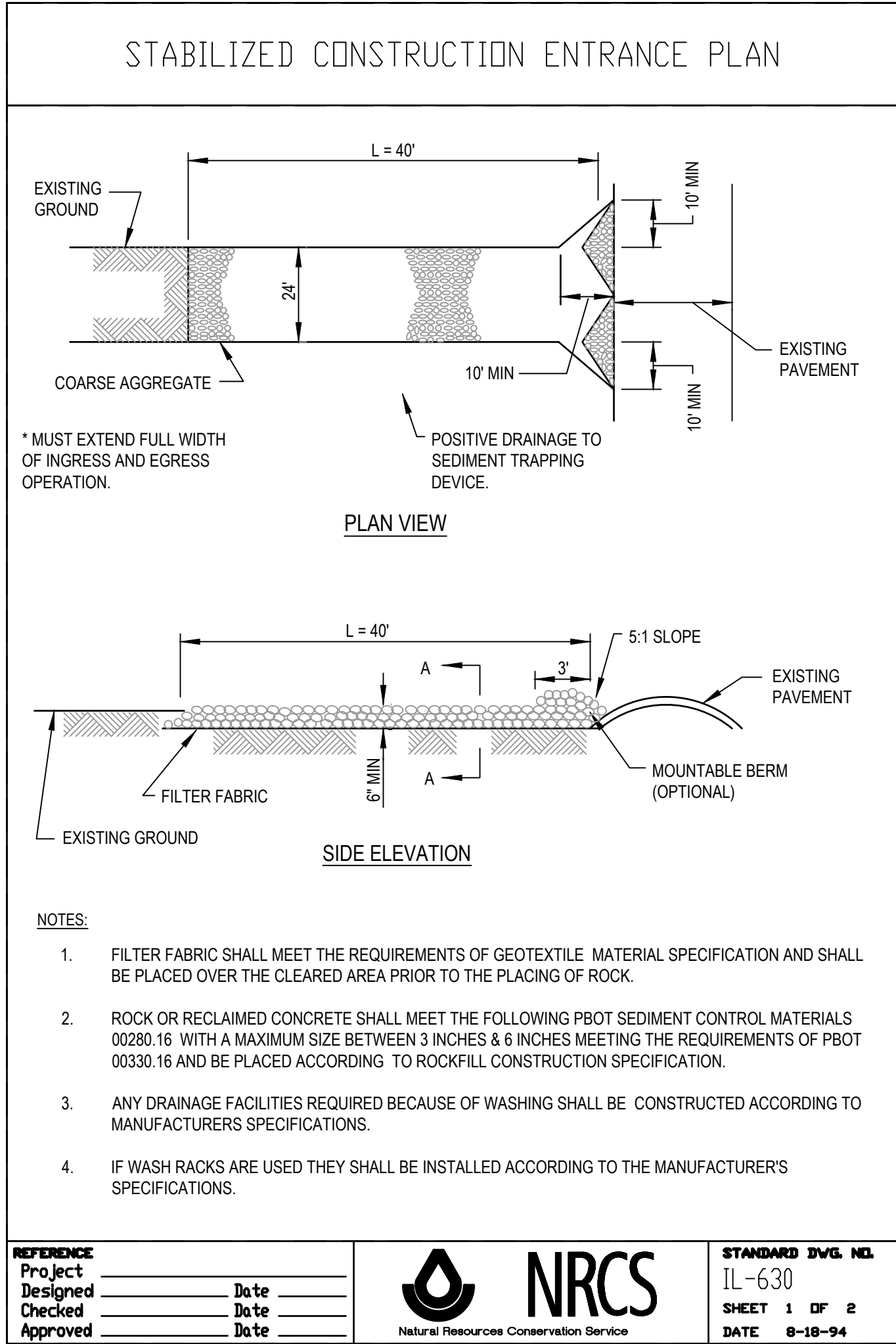
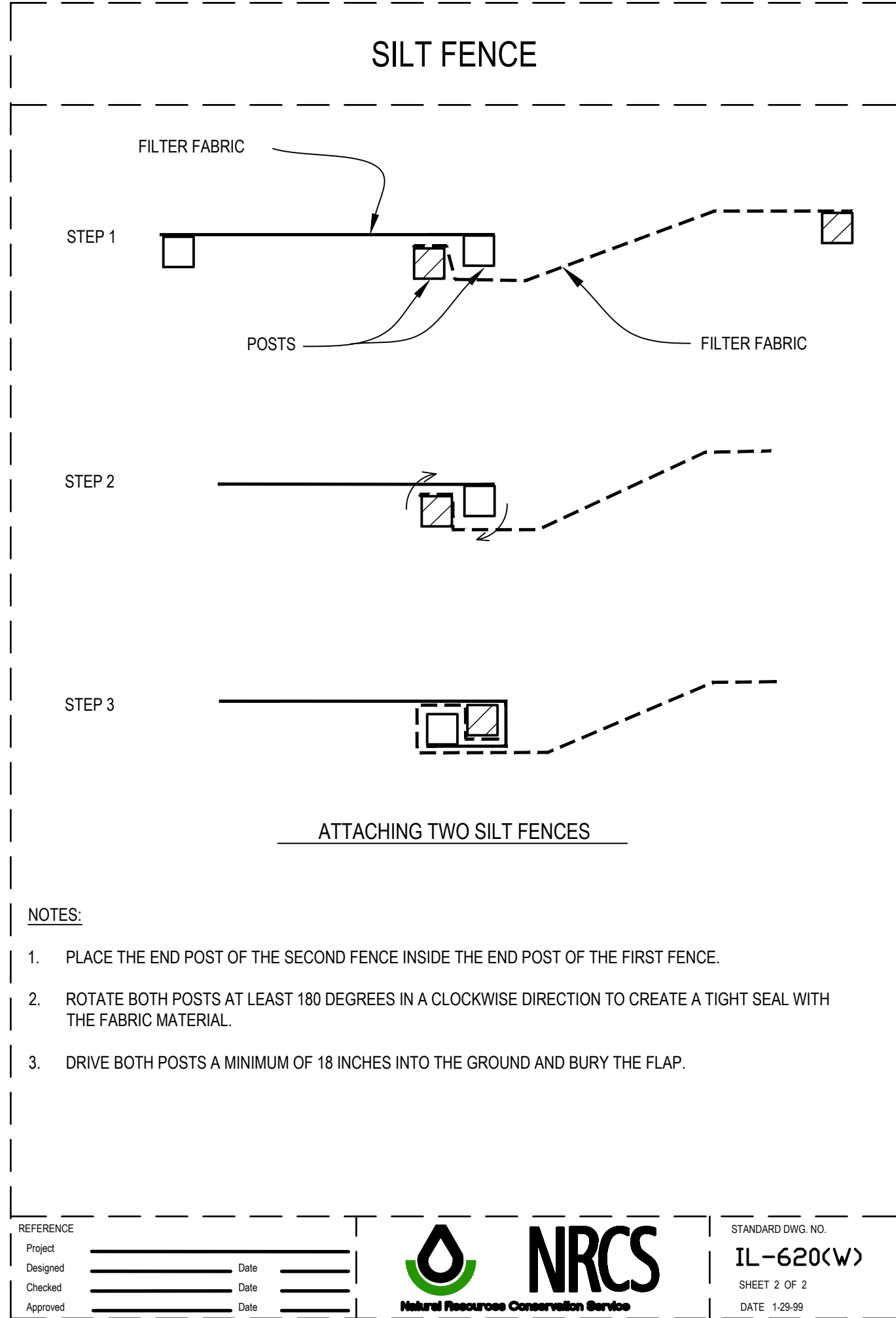
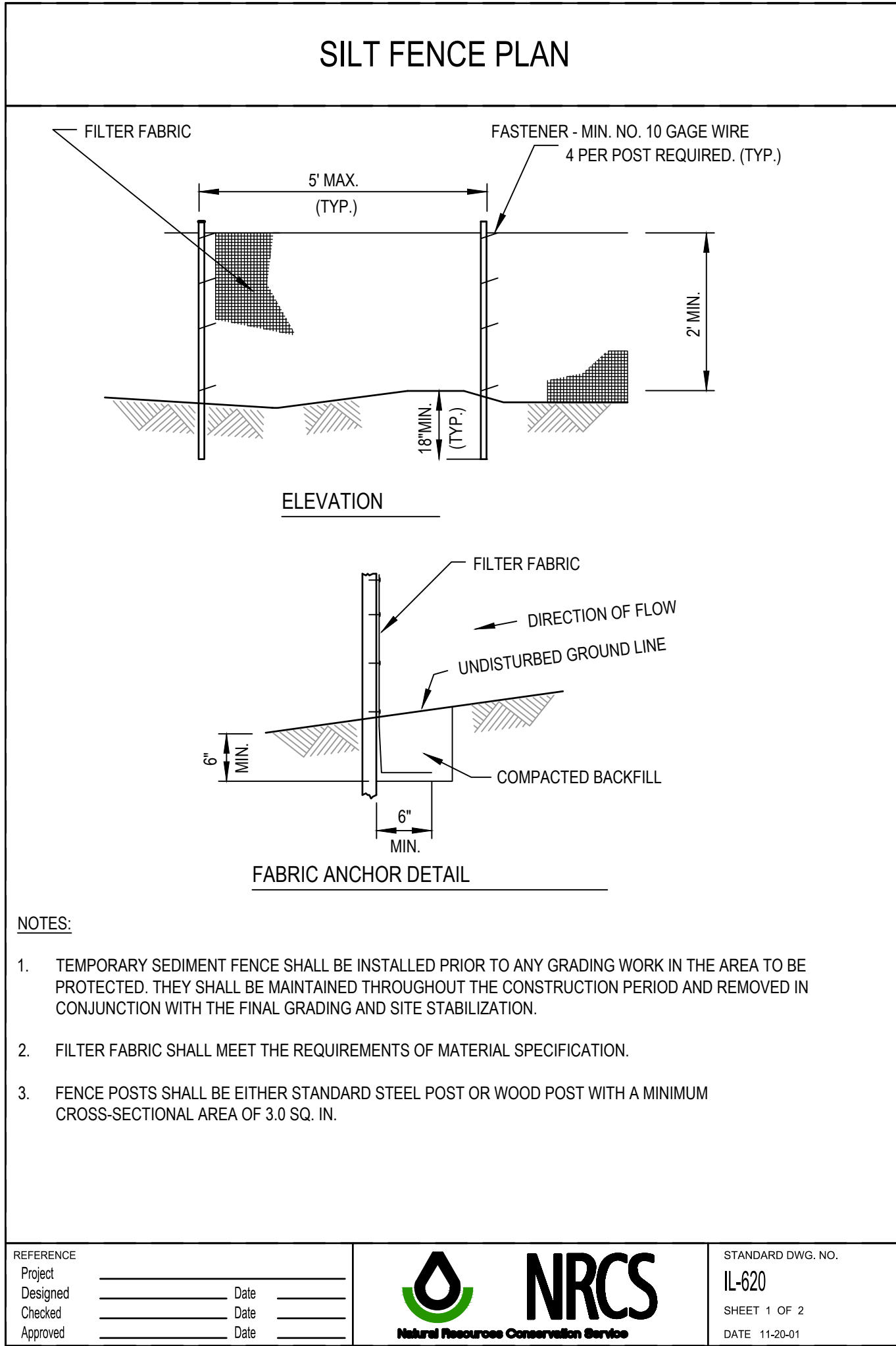
KEY PLAN



DRAWING TITLE
PHASE 2 SOIL EROSION AND
SEDIMENTATION CONTROL
PLAN

SCALE	12702.000
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DRAWING NUMBER



CARBIDE DOCK PORT REHABILITATION

SAULT STE. MARIE, MI

Owner:

CITY OF SAULT STE. MARIE

SMITHGROUP

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
www.smithgroup.com

ISSUED FOR

REV

DATE

JOINT PERMIT APPLICATION

PRELIMINARY DESIGN

SCHEMATIC DESIGN

05APR2021

26MAR2021

15JAN2021

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEY PLAN

DRAWING TITLE

SOIL EROSION AND SEDIMENTATION CONTROL DETAILS

SCALE

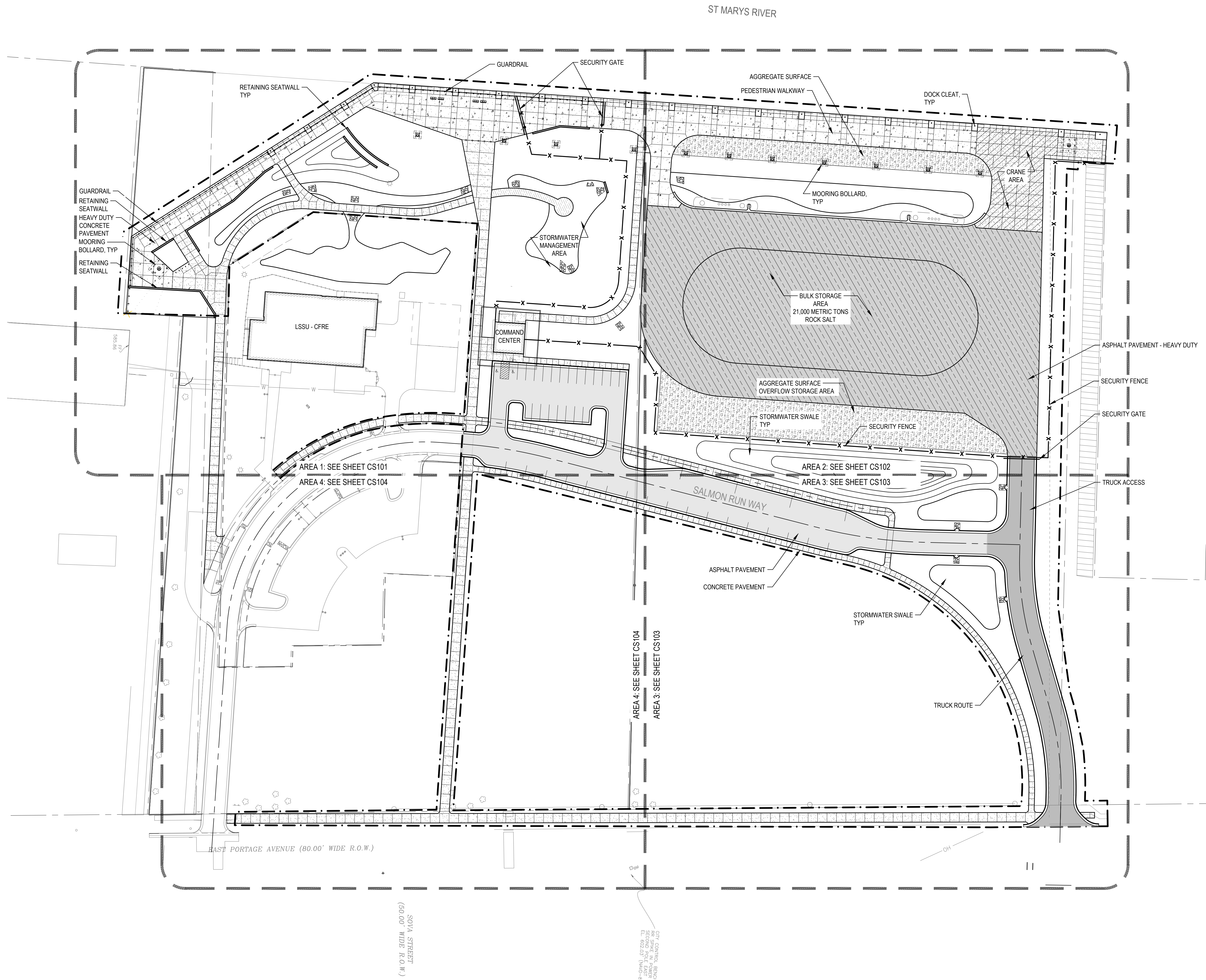
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PROJECT NUMBER

CD500

DRAWING NUMBER

EGLE-WRD
W010020323 v1.0
Approved
Issued On:06/15/2021
Expires On:06/15/2021



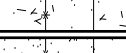

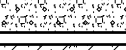
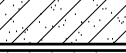



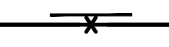
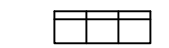


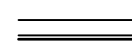







SHEET NOTES

1. USE DIMENSIONS SHOWN ON DRAWINGS FOR LAYOUT OF THE WORK. DO NOT USE SCALE DIMENSIONS FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS. ALL DIMENSIONS SHOWN ARE B/C TO B/C.

KEYED NOTES

LEGEND

	ASPHALT PAVEMENT
	ASPHALT PAVEMENT - CARGO AREA
	ASPHALT PAVEMENT - HEAVY DUTY
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE PAVEMENT
	AGGREGATE SURFACE
	CONCRETE CRANE PAD
	TIMBER BOARDWALK
	MOORING BOLLARD
	SECURITY FENCE
	SECURITY GATE
	BENCH
	BIKE RACK
	RETAINING SEATWALL
	CONCRETE CURB AND GUTTER
	LIGHT POLE
	GUARDRAIL
	DOCK CLEAT
	LIMITS OF CONSTRUCTION

CARBIDE DOCK PORT REHABILITATION

SAULT STE. MARIE, MI

Owner:
CITY OF SAULT STE. MARIE

SMITHGROUP

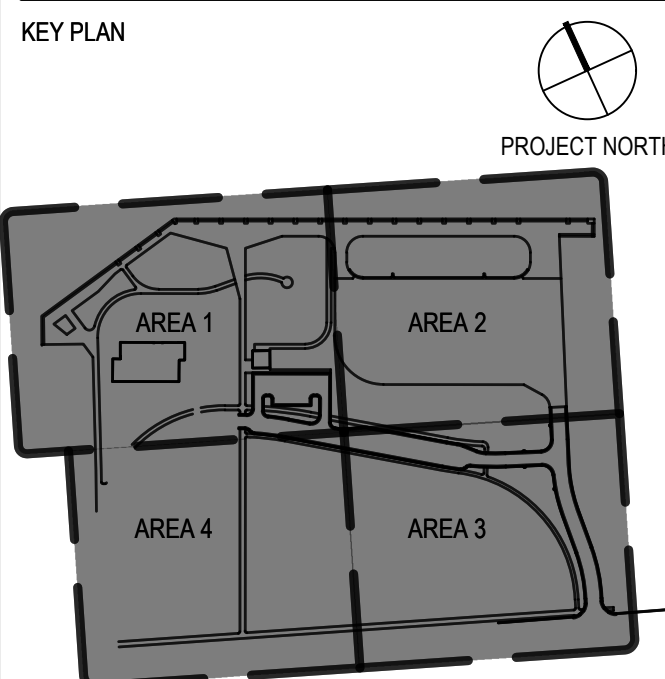
201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
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ISSUED FOR	REV	DATE
JOUNT PERMIT APPLICATION		05APR2021
PRELIMINARY DESIGN		26MAR2021
SCHEMATIC DESIGN		15JAN2021

SEALS AND SIGNATURES

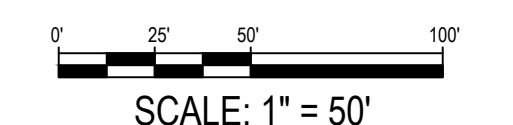
NOT FOR CONSTRUCTION

KEY PLAN



DRAWING TITLE

OVERALL LAYOUT AND
MATERIALS PLAN



SCALE	12702.000
PROJECT NUMBER	

CS100

EGLE-WRD
WRP029323 v1.0
Approved
Issued On:06/15/20

LAKE SUPERIOR STATE UNIVERSITY
FRESHWATER INTAKE

PROPOSED NEW
OUTFALL

EXISTING 36" CONCRETE
OUTFALL











SHEET NOTES

SAULT STE. MARIE, MI

SMITHGROUP

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LEGEND

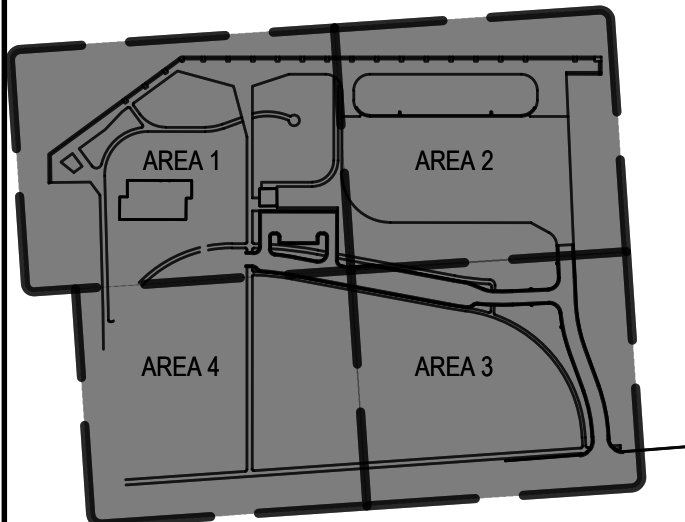
- | | |
|---|----------------------------|
|  | GATE VALVE BOX |
|  | FIRE HYDRANT ASSEMBLY |
|  | FIRE DEPARTMENT CONNECTION |
|  | STORM STRUCTURE |
|  | INLET |
|  | YARD DRAIN |
|  | WATER QUALITY STRUCTURE |
|  | FLARED END SECTION |
|  | WATER MAIN |
|  | STORM SEWER |

ISSUED FOR	REV	DATE
JOINT PERMIT APPLICATION		05APR2021
PRELIMINARY DESIGN		26MAR2021
SCHEMATIC DESIGN		15JAN2021

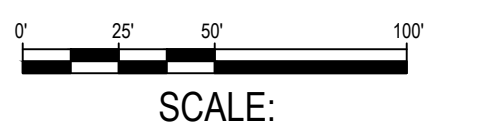
SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEY PLAN



DRAWING TITLE
OVERALL UTILITY PLAN



SCALE	12702.000
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PROJECT NUMBER

CU100

DRAWING NUMBER

EGLE-WRD
WRP079323 v1.0
Approved
Issued On:06/15/20
Expires On:06/15/20

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SAULT STE. MARIE, MI

CITY OF SAULT STE. MARIE

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SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
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SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE

TYPICAL DOCK RECONSTRUCTION SECTIONS

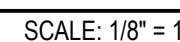
PROJECT NUMBER

SS300

EGLE-WRD
WRP029323 v1.0
Approved
Signed On:06/15/20



- SCALE: 1/8" = 1'



- SCALE: 1/8" = 1'

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SAULT STE. MARIE, MI

Owner:

CITY OF SAULT STE. MARIE

SMITHGROUP

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
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[illegible]

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
STRUCTURAL DETAILS

SCALE 12702.000

PROJECT NUMBER
CS500

DRAWING NUMBER

EGLE-WRD
WRP029323 v1.
Approved
ed On:06/15/20



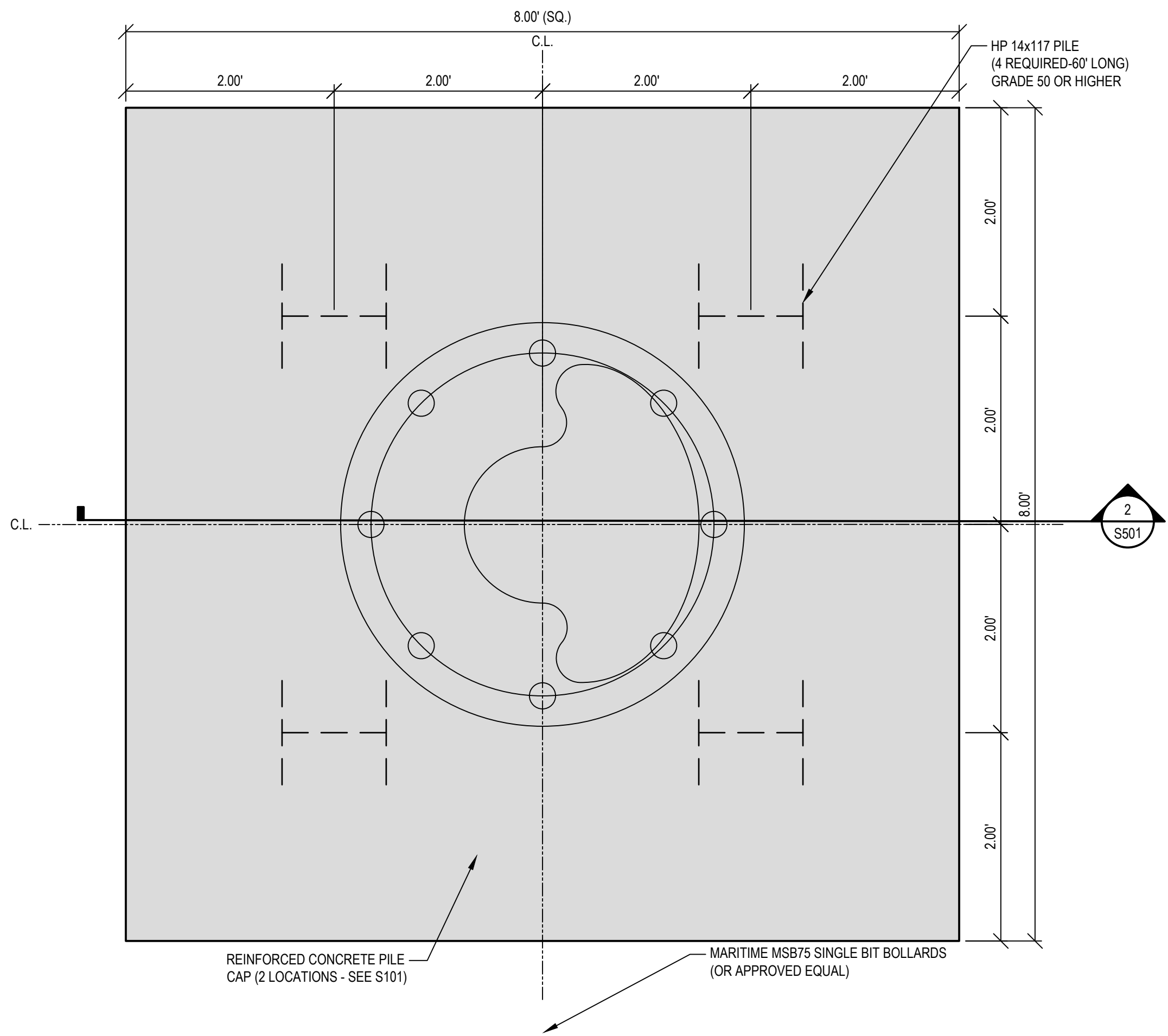
SCALE: 1/2" = 1'



SCALE: 1" = 1'



SCALE: 1/2" = 1'



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