From: Byers, Harris < Harris. Byers@stantec.com>

Sent: Wednesday, July 19, 2023 8:58 AM

To: Beggs, Tauren R - DNR; Adam Tegen; Knapke.Eric@epa.gov

Subject: Interim Vegetated Engineered Barrier for Lot 3 in Redevelopment Area 1 of

the River Point District in Manitowoc, Wisconsin

Attachments: Lot 3 - Interim Vegetated Engineered Barrier.pdf

Team:

Attached is a brief letter describing the plan to construct an interim vegetated barrier at Lot 3 in Redevelopment Area 1 of the River Point District in Manitowoc, Wisconsin.

This interim vegetated barrier will be constructed to stabilize construction in the adjacent road rights of ways while creating a physical barrier to impacted subsurface material. Proposed soil management activities and specific sitewide engineered barrier construction and maintenance details will be discussed in greater detail in a combined Remedial Action Plan / Materials Management Plan to be prepared under separate cover once a developer has been identified.

\*\* Tauren, I'm sending you an additional copy through the portal for your records.

#### Sincerely,

#### Harris Byers, Ph.D.

Sr. Brownfields Project Manager Contaminant Hydrogeologist / Urban Geochemist

Direct: 414 581-6476 Harris.Byers@stantec.com

Stantec 12080 Corporate Parkway Suite 200 Meguon WI 53092-2649



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July 19, 2023 File: 193708490

Attention: Adam Tegen City of Manitowoc, Wisconsin 900 Quay Street Manitowoc, WI 54220-4543

Dear Mr. Tegen,

Reference: Construction of Interim Vegetated Engineered Barrier

Lot 3 of the River Point District

Manitowoc, Wisconsin

BRRTS ID: 02-36-585491 (Open ERP), 02-36-176478 (Closed ERP), 07-36-583000 (LGU

**Exemption/General Property)** 

**ACRES ID: Pending** 

This letter summarizes the plan to import clean, pre-characterized fill, to bring the elevation of Lot 3 of the River Point District (herein referred to as the "Property") to rough grade and finish the ground surface with turf grass as an interim vegetated engineered barrier. The locations of Lot 3 (outlined in black) and the River Point District (outlined in yellow) relative to regional topography are illustrated on Figure 1. The certified survey map of Lot 3 is adapted on Figure 2.

The stamped engineering plan set for this work, including proposed final grades, stormwater management, and finished cross-sections, is provided in Attachment A. This interim engineered barrier will prevent direct contact with subsurface impacts identified by Stantec (2023b) until a developer is identified.

#### Importing Clean Fill

Approximately 6,855 cubic yards of clean granular fill will be imported, placed, and compacted at the Property to stabilize nearby rights-of-way construction while bringing the Property to rough grade. The granular fill (previously characterized by Stantec, 2023a) will be sourced from a nearby residential development. The granular fill will be finished with 3-inches of topsoil and seeded with turf grass. Turf grass will be watered as necessary to establish appropriate vegetative cover. The stamped engineering plan set for this proposed work is provided in Attachment A.

#### **Future Work**

Conceptual non-industrial reuses at the Property and nearby areas are illustrated on Figure 3. Proposed soil management activities and specific sitewide engineered barrier construction and maintenance details will be discussed in greater detail in a combined Remedial Action Plan / Materials Management Plan to be prepared under separate cover once a developer has been identified. Furthermore, upon finalization of redevelopment plans for the Property, a post-closure modification for the sitewide engineered barrier will be submitted to the WDNR.

Stantec recommends submitting this letter to WDNR for agency records.

July 19, 2023 Mr. Adam Tegen Page 2 of 2

Reference: Construction of Interim Vegetated Engineered Barrier; Lot 3 of the River Point District; Manitowoc, Wisconsin

Regards,

STANTEC CONSULTING SERVICES INC.

STANTEC CONSULTING SERVICES INC

Harris L. Byers, Ph.D. Sr. Brownfields Project Manager

Harris.Byers@Stantec.com Phone: 414-581-6476 Stu Gross, P.G. QA/QC Manager

Stu.Gross@stantec.com

#### **ENCLOSURES**

Figures Attachment A – Plan Set

#### **LIMITATIONS**

The conclusions in this letter (Report) are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the City of Manitowoc and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This Report is intended solely for use by the City of Manitowoc in accordance with Stantec's contract with the City of Manitowoc. While the Report may be provided to applicable authorities having jurisdiction and others for whom the City of Manitowoc is responsible, Stantec does not warrant the services to any third party. The report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

#### **REFERENCES**

Stantec, 2023a, Characterization of Soil at 333 Reed Avenue, Manitowoc, Wisconsin, May 19, 2023.

Stantec, 2023b, Phase II ESA, Lot 3, River Point District, Manitowoc, Wisconsin, July 18, 2023.

## **FIGURES**

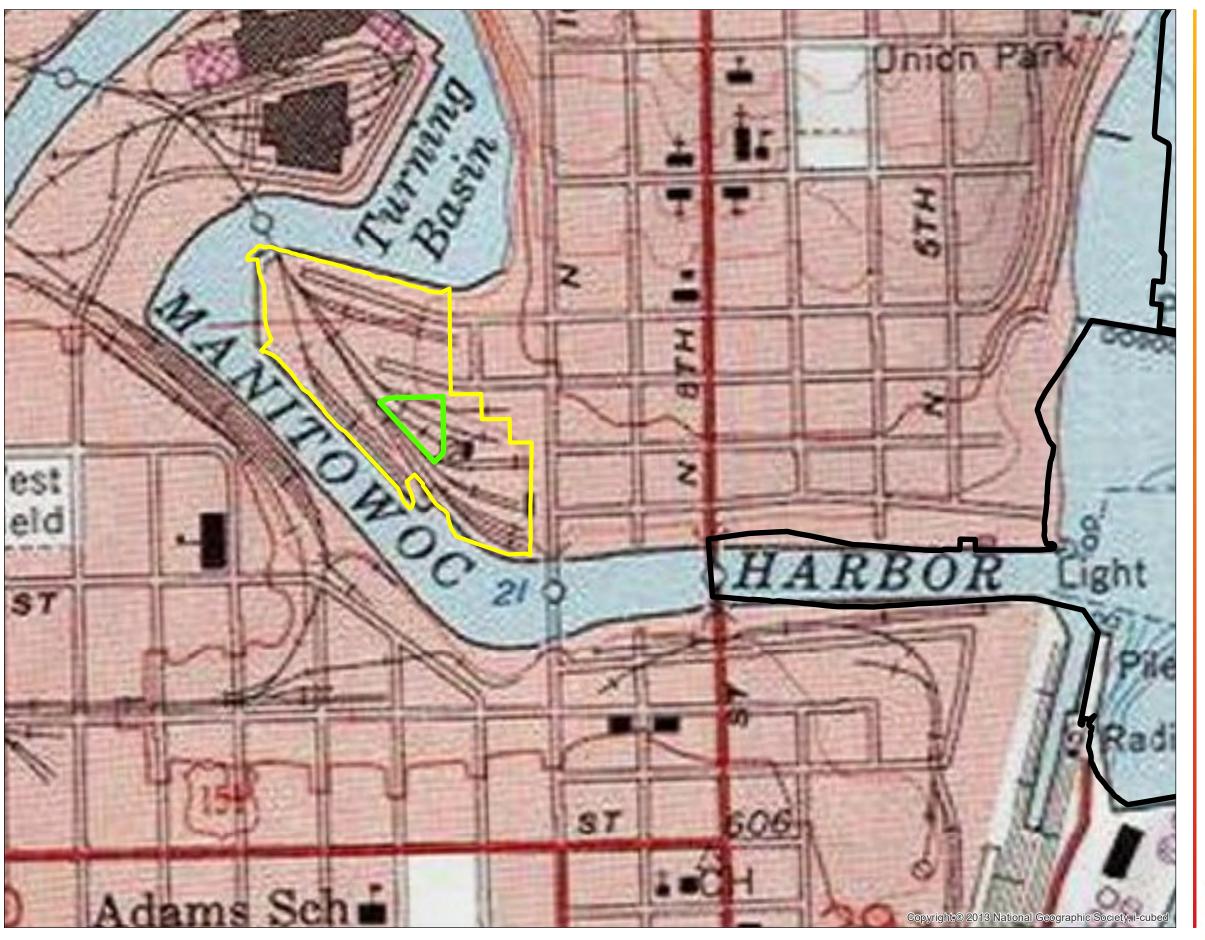


Figure No.

1
Title

Location of Lot 3 and
Regional Topography

Client/Project
Lot 3
River Point District
City of Manitowoc

0 265 530
Frepared by HLB on 1/27/2022
Feet

Legend

Lot 3
City of Manitowoc

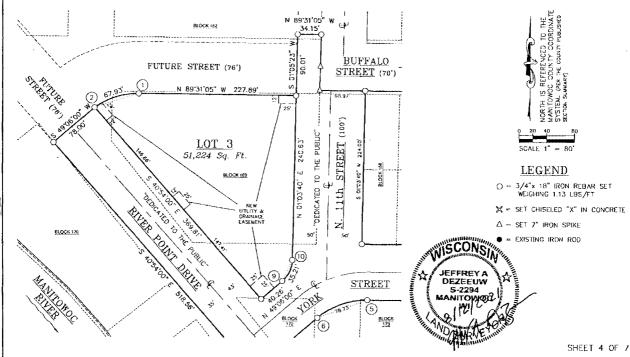
River Point District

lotes

 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet



LOCATED IN BLOCKS 166, 169, 170, 172, AND 173 OF THE ORIGINAL PLAT OF THE CITY OF MANITOWOC AND ADJACENT VACATED STREETS, BEING PART OF GOVERNMENT LOT 3 OF SECTION 30, TOWN 19 NORTH, RANGE 24 EAST, CITY OF MANITOWOC, MANITOWOC COUNTY, WISCONSIN

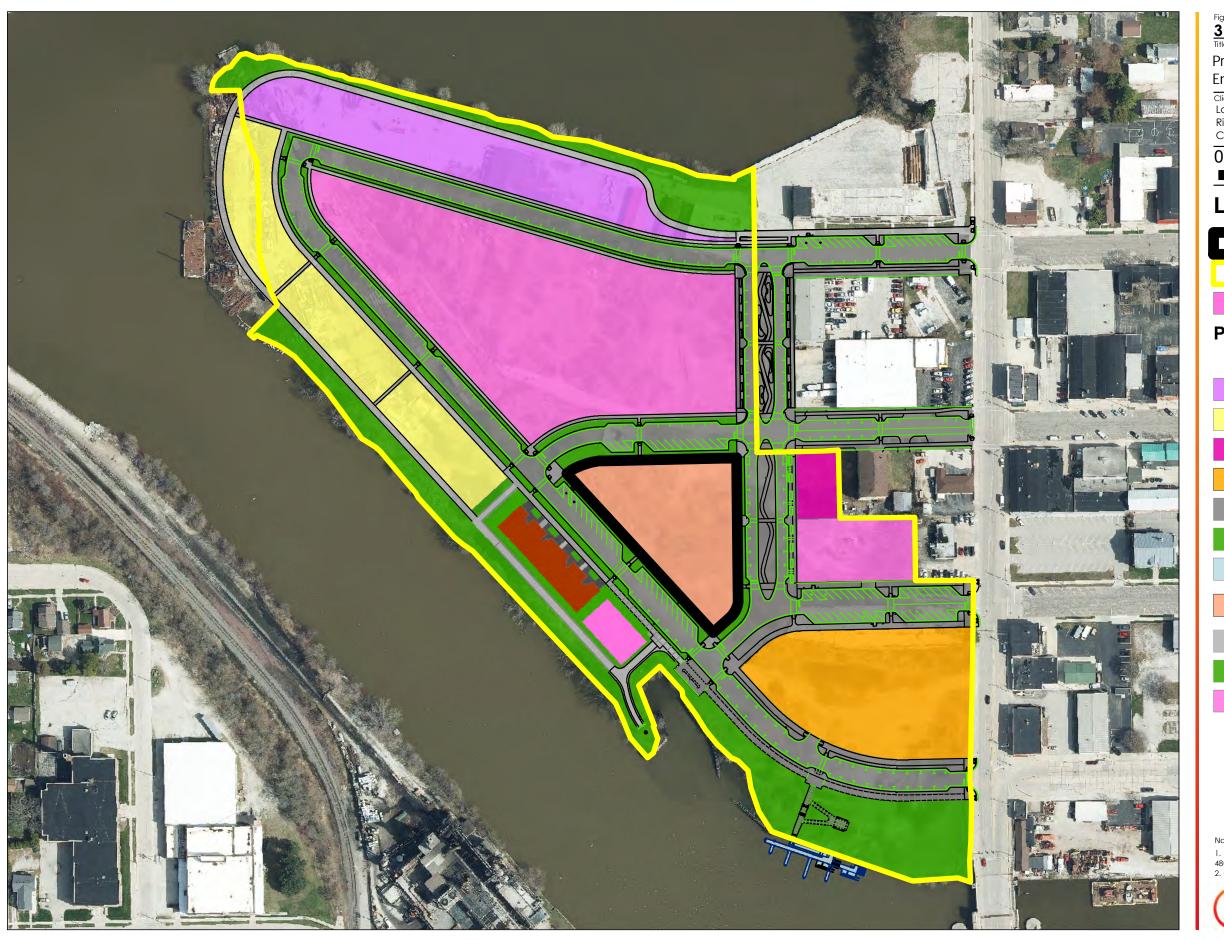


THIS INSTRUMENT WAS DRAFTED BY: Jeffrey A. DeZeeuw, PLS of Corner Point.

JULY 26, 2021

JOB No.: \$356021

FILE: DWG\CITY\MYWC\STANTEC\CITY-CN RR PROJECT\CSM 2021\S356021



Proposed Reuse and Proposed Engineered Barriers/Caps

Client/Project Lot 3 River Point District City of Manitowoc

250 Prepared by HLB on 4/15/2021 125 ⊐ Feet

Legend

River Point District

Future Commercial (2024-2025)

## **Proposed Redevelopments**

Town Homes (2025-2026)

Town Homes (2024-2025)

Commercial (Finished)

Multi-Family (Finishing 2022)

Roadway (2021-2024)

Landscaping (2023-2025)

Floating Dock and Pier (2023)

Multi-Family Residential (2023-2024)

Sidewalk (2024-2025)

River Walk / Park (2023-2024)

Proposed Commercial (2025-2026)

- 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet 2. Orthophotograph: Manitowoc County, 2017

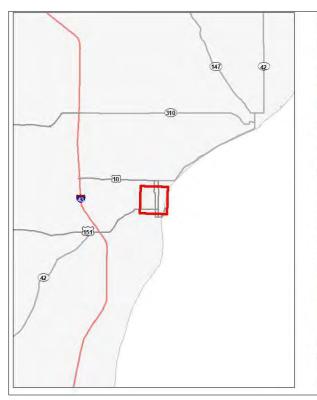


Page 01 of 01

# ATTACHMENT A Plan Set

## 2023 FILL FOR RIVER POINT DEVELOPMENT

## **CITY OF MANITOWOC** MANITOWOC COUNTY, WISCONSIN



VICINITY MAP



Sheet List Table	
Sheet Number	Sheet Title
G0.01	COVER SHEET
G0.02	GENERAL NOTES
C1.01	GRADING AND EROSION CONTROL PLAN
C1.02	GRADING AND EROSION CONTROL - TRIANGLE LOT
C8.01	DETAILS



**LOCATION MAP** 



#### **PROJECT TEAM:**

#### **ENGINEERING DEPARTMENT:**

MANITOWOC ENGINEERING DEPARTMENT 900 QUAY STREET MANITOWOC, WI 54220

TEL. 920.686.6910 gminikel@manitowoc.org

#### **MPU ELECTRIC:**

MANITOWOC PUBLIC UTILTIES 1303 S. 8TH STREET PO BOX 1090 MANITOWOC, WI 54221

STEVE BACALZO TEL. 920.686.4310 sbacalzo@mpu.org

#### MPU WATER:

1303 S. 8TH STREET PO BOX 1090 MANITOWOC, WI 54221

ROB MICHAELSON TEL. 920.686.4354 rmichaelson@mpu.org

### COMMUNITY DEVELOPMENT DEPARTMENT:

TEL. 920.686.6930 900 QUAY STREET MANITOWOC, WI 54220

ADAM TEGAN TEL. 920.686.6931 ategan@manitowoc.org

#### OWNER:

MANITOWOC PUBLIC UTILTIES MANITOWOC COMMUNITY DEVELOPMENT DEPARTMENT CITY OF MANITOWOC 900 QUAY STREET MANITOWOC, WI 54220

> NICHOLAS MUELLER TEL. 920.686.6930 nmueller@manitowoc.org michael.bach@stantec.com

#### **CIVIL ENGINEER:** STANTEC CONSULTING

SERVICES, INC. 12075 CORPORATE PARKWAY SUITE 200

MEQUON, WI

MICHAEL BACH

TEL. 262.643.9150



#### JACOB A. WOELMER, P.E. NO. 46672-6

These drawings have been prepared based on information provided by others. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

Call 811 3 Work Days Before You Dig Or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

HECKED

G0.01

RIVER POINT FILL CITY OF MANITOWOC TOWOC COUNTY, WISCC

**COVER SHEET** 

Stantec

STANTEC ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF STANTEC.

#### **GENERAL**

- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY-EIGHT HOURS
  PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
- . SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS OR HER PROPOSAL. HE OR SHE SHALL BASE THEIR BID ON HIS OR HER OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON THE ENGINEER'S ESTIMATE.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL ABIDE BY THE RECOMMENDATIONS FO THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REOUIREMENTS OF THE PERMITS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS OR HER INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
- CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
- 10. ANY ADJACENT PROPERTIES OR ROAD RIGHTS-OF-WAY WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL AND SHOULD BE INCLUDED IN THE BID PRICES.

#### MAINTENANCE, INSPECTIONS AND REPORTING

- 1. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED BEFORE CONSTRUCTION ACTIVITIES BEGIN IN EACH REPRESENTATIVE PROJECT PHASE. PRACTICES SHALL BE CHECKED FOR EFFECTIVENESS WEEKLY AND FOLLOWING RAINFALL EVENTS 0.5 INCHES OR GREATER. ANY DEVICES NEEDING REPAIR SHALL BE ADDRESSED IMMEDIATELY.
- STORM DRAIN INLET PROTECTION SHALL BE REPLACED WHEN SEDIMENT COLLECTED IN THE DEVICE HAS REDUCED THE CAPACITY BY HALF. ACCUMULATED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
- 3. SILT FENCES SHALL BE REPAIRED WHEN SEDIMENT HAS REACHED HALF THE HEIGHT OF THE FENCE. SILT FENCES HAVE A LIFE SPAN OF ONE YEAR, AND SHALL BE REPLACED WHEN WORN OUT. DAMAGED OR DECOMPOSED FENCES, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
- 4. SEEDED AREAS SHALL BE FERTILIZED, RESEEDED AND MULCHED AS NECESSARY. INSPECT SEEDED AREAS WEEKLY AFTER PLANTING TO ENSURE THAT VEGETATION IS ADEQUATELY ESTABLISHED. LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED.
- MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
- EROSION MATTING, SILT FENCES, STRAW WATTLES, TEMPORARY DITCH CHECKS, STONE OUTLET PROTECTION, ETC. SHALL BE REPLACED AS NECESSARY.
- 7. STONE TRACKING PAD SHALL BE SCRAPED OR TOP DRESSED WHEN EXISTING STONE BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM TIRES. SEDIMENT THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.

THE FOLLOWING CONSTRUCTION SITE INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR, AND ARE REQUIRED PER THE WPDES GENERAL PERMIT:

- CONDUCT WEEKLY INSPECTIONS OF IMPLEMENTED EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES, AND REPORTING.
- 2. INSPECTIONS OF EROSION AND SEDIMENT CONTORL WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.5 INCHES OR GREATER, AND REPORTING.
- 3. REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR DEPARTMENT NOTIFICATION THAT A REPAIR OR REPLACEMENT IS NEEDED.
- 4. MAINTAIN WEEKLY WRITTEN REPORTS OF ALL INSPECTIONS CONDUCTED AT THE CONSTRUCTION SITE. WEEKLY INSPECTION REPORTS SHALL INCLUDE ALL OF THE FOLLOWING:
  - A. DATE, TIME AND LOCATION OF THE CONSTRUCTION SITE INSPECTION.
  - B. NAME OF THE INDIVIDUAL WHO PERFORMED THE INSPECTION.
  - C. ASSESSMENT OF THE CONDITION OF EROSION AND SEDIMENT CONTROLS.
  - D. DESCRIPTION OF ANY EROSION AND SEDIMENT CONTORL BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED.
  - E. DESCRIPTION OF THE PRESENT PHASE OF LAND DISTURBING ACTIVITY AT THE CONSTRUCTION SITE.

#### GRADING

- I. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS, LOCAL ORDINANCES AND SPECIFICATIONS, AND RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
- 2. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
- SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
- 4. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
- 5. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF THE EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AN ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING PADS AND PAVEMENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
- NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER BEFORE ANY MATERIAL IS PLACED.
- ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL AND SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- . ALL SIDEWALKS SHALL HAVE A MAXIMUM 2.0% CROSS SLOPE. SEE TYPICAL DETAIL.

#### **EROSION CONTROL NOTES**

- 1. EROSION CONTROL MEASURES MUST BE INSPECTED AND REPAIRED WEEKLY AND AFTER EACH RAIN TOTALING ONE-HALF INCH OR MORE. THE INSPECTIONS SHALL BE RECORDED AND KEPT ON FILE ONSITE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
- 2. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD OR SIDEWALK SHALL BE REMOVED BY STREET CLEANING, OTHER THAN FLUSHING, IMMEDIATELY.
- 3. CONTRACTOR SHALL KEEP A COPY OF THE EROSION CONTROL PLANS AT THE PROJECT SITE AND PROVIDE COMPLETED INSPECTION FORMS TO THE CITY OF MANITOWOC. THE CITY OF MANITOWOC AND WDNR MAY REQUEST INSPECTION REPORTS AT ANY TIME.
- ALL EROSION CONTROL METHODS SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS AND CITY OF MANITOWOC REQUIREMENTS AND STANDARDS.
- 5. ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO SEVEN DAYS SHALL BE IMMEDIATELY RESTORED WITH SEED AND MULCH.
- COPIES OF THE INSPECTION REPORTS SHALL BE KEPT AT THE PROJECT SITE FOR CITY OF WDNR ACCESS.
- TEMPORARY GRADING METHODS SHALL BE USED TO DIRECT WATER TO THE TEMPORARY STABILIZED CONVEYANCE SWALES.
- B. DEWATERING AS NEEDED TO BE DONE ACCORDING TO WDNR STANDARD 1061.
- 9. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE (WINTER) OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1051.
- . CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL MEASURES AND PERFORMING MAINTENANCE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.



OFESSIONAL ENGINEER IINNESOTA.

GENERAL NOTE
RIVER POINT FILL
CITY OF MANITOWOC
MANITOWOC COUNTY, WISCO

DATE OF ISSUANCE
April 28, 2023

NO REVISION DATE

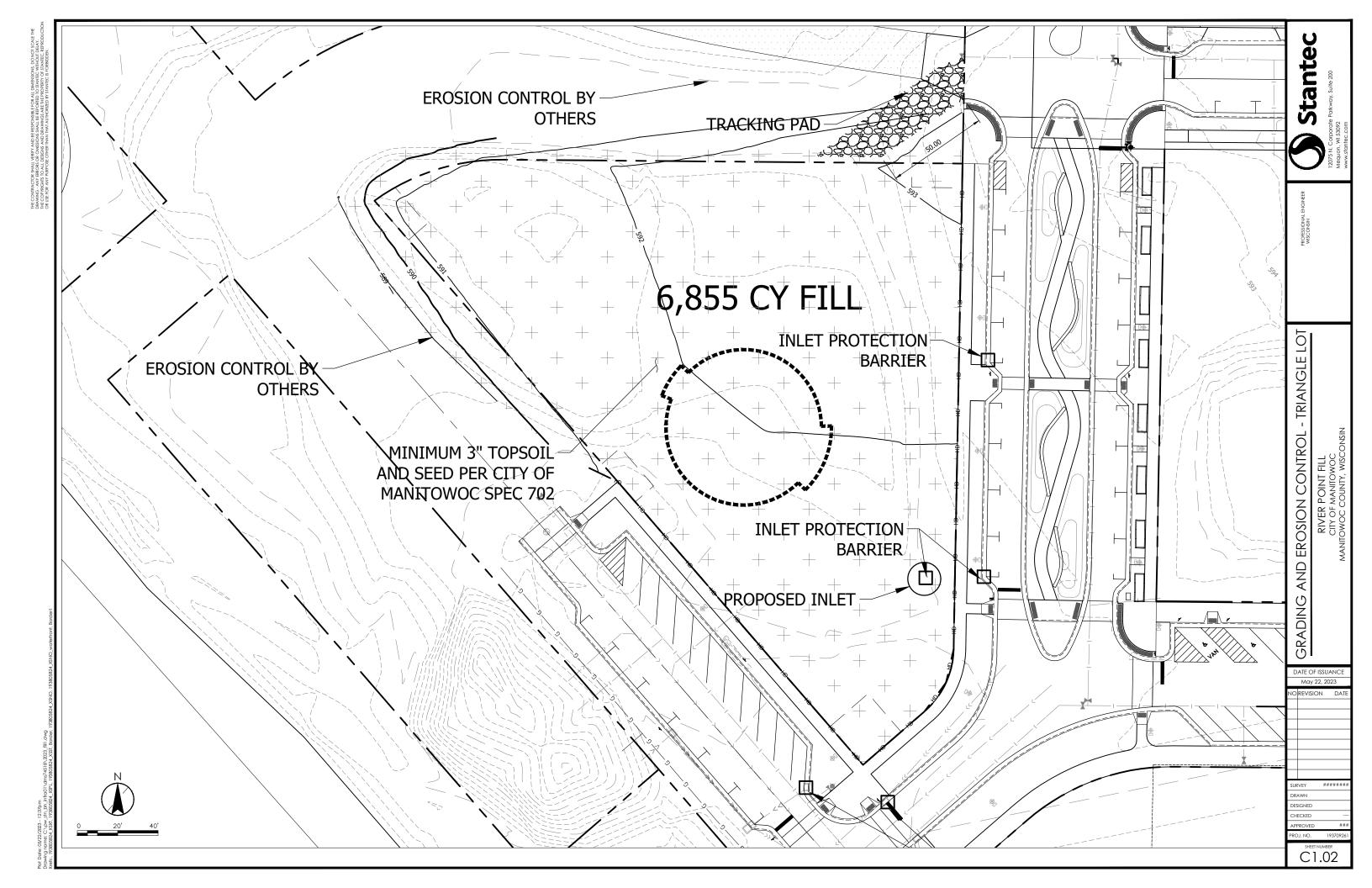
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DRAWN

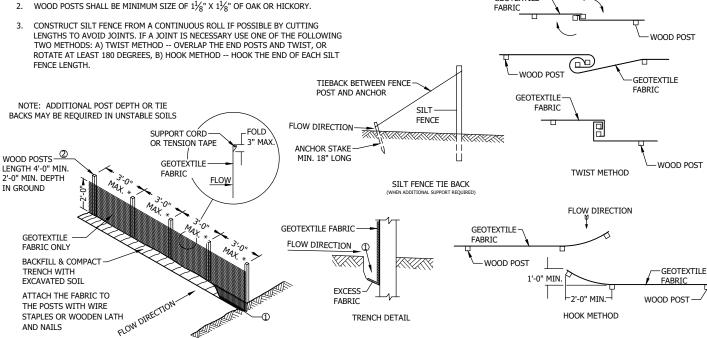
DESIGNED

CHECKED

APPROVED

SHEET NUMBER





FLOW DIRECTION

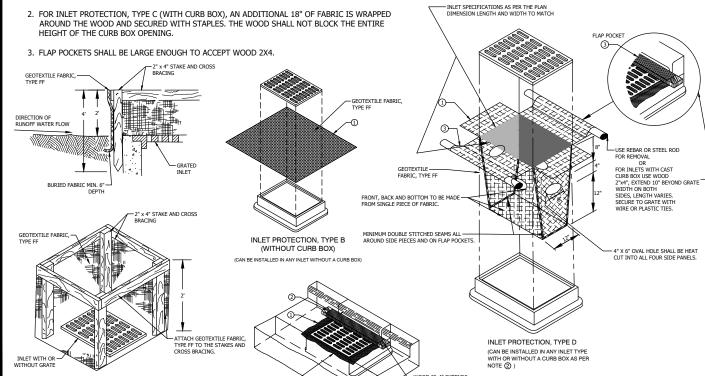
JOINING TWO LENGTH OF SILT FENCE

## (1)

FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

\*NOTE: 8'-0" POST SPACING ALLOWED IF A

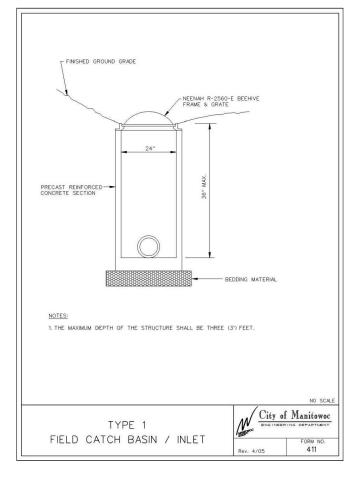
WOVEN GEOTEXTILE FABRIC IS USED.



INLET PROTECTION, TYPE C (WITH CURB BOX)

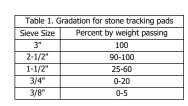
INLET PROTECTION (TYP)

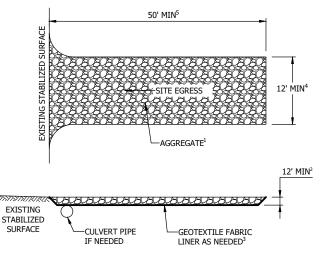
INLET PROTECTION, TYPE A



#### NOTES

- 1. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION IN TABLE 1. WHERE THIS GRADATION IS NOT AVAILABLE, MEET THE GRADATION IN WISCONSIN DEPARTMENT OF TRANSPORTATION (DOT) 2018 STANDARD SPECIFICATIONS, SECTION 312, SELECT CRUSHED MATERIAL.
- 2. SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PLACE.
- 3. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
- 4. INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXISTING TRAFFIC TO A DEDICATED EGRESS LAND A LEAST 12 FEET WIDE ACROSS THE TOP OF THE PAD.
- 5. IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.





TRACKING PAD (TYP)

RIVER POINT FILL CITY OF MANITOWOC TOWOC COUNTY, WISCO

DETAILS

DREVISION DA DESIGNED CHECKED

C8.01