



BID RESPONSE FORM

Former H.D. Hudson Manufacturing Facility
 200 West 2nd Street
 Hastings, Minnesota

Base Bid Area B					
Item No.	Item	Unit	Quantity	Unit Price	Price
1	Mobilization/Demobilization	LS	1		
2	Stormwater and Erosion Control	LS	1		
3	Remove Debris	CY	150		
4	Remove Contaminated Soil	CY	605		
5	Load, Haul and Dispose of Contaminated Soil at SKB or Other Approved Special Waste Disposal Facility	Ton	908		
6	Load, Haul and Dispose of Debris at Dem-Con or Other MPCA Approved Disposal Facility	Ton	195		

Total Base Bid Area B _____

Base Bid Area C					
Item No.	Item	Unit	Quantity	Unit Price	Price
1	Mobilization/Demobilization	LS	1		
2	Stormwater and Erosion Control	LS	1		
3	Remove Debris	CY	100		
4	Remove Contaminated Soil	CY	415		
5	Load, Haul and Dispose of Contaminated Soil at SKB or Other Approved Special Waste Disposal Facility	Ton	623		
6	Load, Haul and Dispose of Debris at Dem-Con or Other MPCA Approved Disposal Facility	Ton	130		

Total Base Bid Area C _____

Total Base Bid Areas B and C _____



Bidder Name _____

Business Address _____

Signed by _____

Title _____

Telephone No. _____

Email _____

Fax No. _____

If you have questions, contact:

Owner Representative:

**John Hinzman (Hastings Economic Development and
Redevelopment Authority) @ 651-480-2378**
JHinzman@hastingsmn.gov

Engineer Representative:

Dave Constant (Stantec) @ 651-255-3960
David.Constant@stantec.com

REFERENCES

Contractor shall provide a list of three (3) significant hazardous or special waste excavation projects in the last three (3) years. At least two (2) projects must have a project cost greater than \$100,000.

Remedial Excavation Project No. 1

Project Name and Location	_____
Dates for Project	_____
Scope of Work	_____
Final Project Cost	_____
Project Contact	_____
Contact Telephone Number	_____
Contact Email	_____

Remedial Excavation Project No. 2

Project Name and Location	_____
Dates for Project	_____
Scope of Work	_____
Final Project Cost	_____
Project Contact	_____
Contact Telephone Number	_____
Contact Email	_____



Remedial Soil Removal Inside Building
Former H.D. Hudson Manufacturing Facility
Hastings Economic Development and
Redevelopment Authority
Hastings, MN

Remedial Excavation Project No. 3

Project Name and Location	_____
Dates for Project	_____
Scope of Work	_____
Final Project Cost	_____
Project Contact	_____
Contact Telephone Number	_____
Contact Email	_____

MANDATORY PRE-BID MEETING

A mandatory pre-bid meeting will be held at the former H.D. Hudson Manufacturing Facility, 200 West 2nd Street, Hastings, Minnesota on **May 23, 2017** at 10:00 am to review existing site conditions and access. All other questions must be submitted in writing. Verbal statements may not be relied upon and will not be binding or legally effective.

PRE-BID QUESTIONS

Bidders are encouraged to submit bid questions via email to David Constant (David.Constant@stantec.com) and Hiedi Waller (Hiedi.Waller@stantec.com) by 4:00 pm on **May 24, 2017**. Engineer will respond to questions in writing by 4:00 pm on **May 26, 2017**. The response will be available on the City's website at <http://www.hastingsmn.gov/>.

PROJECT TIMELINE

Bids are due by 4:00 pm on **May 31, 2017**. Bids shall be submitted by email to John Hinzman (JHinzman@hastingsmn.gov). Work shall be awarded on or prior to **June 7, 2017** and completed by **June 23, 2017**.

SPECIFICATIONS

1. GENERAL REQUIREMENTS

- 1.1 Davis-Bacon wage rates will apply and are attached.
- 1.2 Owner: The Owner is the Hastings Economic Development and Redevelopment Authority.
- 1.3 Engineer: The Engineer is Stantec Consulting Services Inc.
- 1.4 City: The City is Hastings, Minnesota.
- 1.5 Work includes the removal, loading, hauling and disposal of contaminated soil and miscellaneous debris.
- 1.6 Completion Date: Work shall be completed by June 23, 2017.
- 1.7 Access: All construction access for personnel, equipment and materials shall be through 2nd Street West, Lock and Dam Road or the access road to the parking area under the Highway 61 Bridge.
- 1.8 Conformance: Unless identified otherwise, all work shall conform to the Minnesota Department of Transportation "Standard Specifications for Construction," 2016 Edition (MnDOT Spec.) and the "Materials Lab Supplemental Specifications for Construction" 2016 Edition (MnDOT Mat.).
- 1.9 Notifications: Contractor shall be required to call Gopher State One Call and have all public utilities marked prior to starting work. Contractor shall also be required to contact a private locating firm and have all private utilities marked prior to starting work.
- 1.10 Building Services: The building is currently heated and electricity is available.
- 1.11 Permits: Contractor will be responsible for obtaining and administering all applicable federal, state and local permits required for removing, hauling and disposal of the impacted soil and miscellaneous debris. All costs associated with such permits shall be included in the Mobilization/Demobilization Bid Items.
- 1.12 Stormwater Notice of Intent: Engineer will complete the application form for the Minnesota Pollution Control Agency's (MPCA) NPDES General Stormwater Permit for Construction Activity (MN R100001) Notice of Intent and develop a Stormwater Pollution Prevention Plan for the Project.
- 1.13 Traffic: Contractor shall provide, erect, maintain and later remove any traffic control measures (i.e. barricades, traffic control devices) necessary to facilitate the loading and hauling of contaminated soil and miscellaneous debris. All costs associated with traffic control measures shall be included in the Mobilization/Demobilization Bid Items.
- 1.14 Mobilization/Demobilization: Contractor shall include costs to mobilize/demobilize appropriate equipment and personnel to complete the requested Work.
- 1.15 Security: During soil removal activities, the Contractor shall secure the building as necessary to exclude unauthorized access.

- 1.16 Health and Safety: Contractor shall follow all applicable federal, state and local regulations. Contractor shall develop a Site Safety and Health Plan (SSHP) and submit it to the Engineer for review. Cost for the SSHP shall be included in the Remove Contaminated Soil Bid Items. Summaries of soil contaminant data are shown on Sheet C0.02. Contractor is responsible for site safety at all times. Contractor employees shall have completed an Occupational Safety and Health Administration 40-hour HAZWOPER training course and the 8-hour annual refresher training.
- 1.17 Laboratory Analytical Reports: Available upon request. Summary data table is attached.
- 1.18 Soil Handling: Contaminated soil shall be loaded onto trucks and hauled off-site for disposal. If buried containers or other potentially hazardous materials are encountered, the Contractor shall contact the City and the Engineer to determine appropriate management.
- 1.19 Debris Handling: Any concrete, rock, wood or other debris located in the crawlspace shall be removed, loaded onto trucks and hauled off-site for disposal. If the debris is too large to remove using the space between the floor joists as removal areas, see Section 1.20 for instructions.
- 1.20 Existing Walkway and Floor Joists: The existing floor and subfloor materials have been removed. A temporary walkway has been constructed over the existing floor joists. The walkway consists of $\frac{3}{4}$ inch, 4x8 sheets of plywood cut lengthwise, laid end-to-end on top of the floor joists, and anchored into the joists. The Contractor shall remove and replace sections of the walkway and floor joists as needed to aid in removal of the contaminated soil and miscellaneous debris. Contractor shall contact the City and the Engineer to help determine floor joist removal locations prior to removal. In some locations, the joists will not need to be replaced. Contractor shall contact the City and the Engineer to help determine the locations where the joists do not need to be replaced. All costs associated with walkway and joist removal and replacement shall be included in the Mobilization/Demobilization Bid Items.
- 1.21 Protection and Preparation: Take all necessary precautions to adequately protect personnel and property in the areas of Work. Confine dust and debris to immediate areas of work being performed. If walkway and joists are removed close to a doorway, place a warning sign in a visible location. A street sweeper shall be on site when trucks are hauling. Lock and Dam Road, 2nd Street and the access road to the parking area under the Highway 61 bridge must be swept at least once daily (more frequently if needed as determined by the City and the Engineer).
- 1.22 Scheduling: Contractor shall provide a schedule for Work completion within two days of the Notice of Award. Notify Owner of proposed work schedule, both weekly and daily. Coordinate operations involving extreme noise and vibration with Owner a minimum of 24 hours prior to such operations.
- 1.23 External Soil Contamination: Soil contamination outside of the building has been excavated by Others under a separate contract.
- 1.24 Monitoring Wells: Contractor shall protect existing monitoring wells from damage.

- 1.25 Existing Utilities: Utilities are located within the crawlspace areas. The Contractor shall protect existing utilities from damage during soil and debris removal activities.
- 1.26 Damage: In the event of utility damage, immediately make all repairs and replacements necessary subject to approval of the Engineer at no additional cost to the Owner.
- 1.27 Documentation: Contractor shall provide Engineer and Owner with all permits, receipts, disposal documentation and/or manifests obtained.
- 1.28 Bonds: Separate Performance and Payment Bonds shall be submitted utilizing EJCDC Form C610 and C615 or a similar bond form if approved by Owner.
- 1.29 Insurance
- 1.29.1 Contractor shall supply statutory worker's compensation coverage.
- 1.29.2 Employer's liability shall be \$1,000,000 per employee.
- 1.29.3 Contractor shall maintain General Liability
- | | |
|---|-------------|
| i. General Aggregate | \$1,000,000 |
| ii. Products - Completed Operations Aggregate | \$1,000,000 |
| iii. Personal and Advertising Injury | \$1,000,000 |
| iv. Each Occurrence (Bodily Injury and Property Damage) | \$1,000,000 |
| v. Excess or Umbrella Liability: | |
| 1. General Aggregate | \$1,000,000 |
| 2. Each Occurrence | \$1,000,000 |
| vi. Property Damage liability insurance will provide Explosion, Collapse, and Underground coverages where applicable. | |
- 1.29.4 Umbrella excess liability shall be a combined single limit which shall provide excess liability insurance over Commercial General Liability, Comprehensive Automobile Liability, and Employers Liability.
- 1.29.5 Automobile Liability: Combined Single Limit - Bodily injury and property damage. All owned, non-owned, and hired vehicles. \$1,000,000
- 1.29.6 The Contractual Liability coverage shall provide coverage for not less than \$1,000,000 for bodily injury for each person and each accident.
- 1.29.7 The Contractual Liability coverage shall provide coverage for not less than \$1,000,000 for property damage for each accident and annual aggregate.
- 1.29.8 Owner shall be included as additional insured. This coverage shall be primary and noncontributory.

2. EROSION AND SEDIMENTATION CONTROL

- 2.1 Contractor shall provide labor, materials, equipment and services to furnish and install temporary erosion and sedimentation controls as indicated on Sheet C8.01 and specified herein.

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- 2.2 Contractor shall prepare an erosion control schedule conforming to MnDOT Spec. 1717.2D and submitted each week that construction is active.
 - 2.3 Contractor shall provide a certified installer to install or direct installation of erosion or sediment control practices.
 - 2.3.1 Certification shall be obtained through the University of Minnesota Erosion Control Inspector/Installer Certification program, or approved equal.
 - 2.3.2 Contractor shall submit copies of certification to Engineer and Owner.
 - 2.4 Sediment control measures shall be installed prior to land-disturbing activities.
 - 2.5 Perimeter Control Measures
 - 2.5.1 Silt fence shall conform to MnDOT Specs. 3886 and 2573.3C.
 - 2.5.2 Sediment control logs shall conform to MnDOT Spec. 3897.
 - 2.5.3 Install in the locations shown on the drawings using approved MnDOT and MPCA methods.
 - 2.5.4 Use additional measures, such as rock aggregate, placed along the base of the silt fence where the perimeter control measures cannot be trenched in, i.e. tree roots, frost, bedrock.
 - 2.5.5 Use short sections of perimeter control measures placed in J-hook patterns to:
 - i. Supplement the perimeter control measures at corner locations and areas where sediment deposition will occur. No more than 100 feet of silt fence shall be installed per 1/4 acre of drainage.
 - ii. Break up flow path along the silt fence or sediment control logs running across contours to be no more than 100 feet between hooks or as directed by the Engineer.
 - 2.5.6 Silt fence longer than 600 feet shall be constructed in separate independent units with each unit having a length less than 600 feet. Avoid splices whenever possible. If necessary, make splices at an opposing fence post and according to the manufacturer's specifications.
 - 2.5.7 Inspect perimeter control measures weekly and after each 0.5 inch rainfall or greater.
 - 2.6 Storm water inlet control measures shall be installed prior to soil removal activities and conform to MPCA requirements and guidance documents.
 - 2.7 Temporary Construction Entrance
 - 2.7.1 Washed rock 2-inches or greater in size.
 - 2.7.2 Underlying geotextile shall conform to MnDOT Spec. 3733, Type 4.
 - 2.7.3 Minimum Thickness of Rock Placed: 6 inches.
 - 2.7.4 Install at locations shown on the Drawings. Locations may be field adjusted as needed.
 - 2.7.5 Construct construction entrance before land disturbing begins on the Site.

- 2.7.6 Inspect construction entrance daily for mud accumulation to minimize vehicle tracking of sediment onto public roadways. Remove fugitive rock from adjacent roadways daily.

3. SOIL REMOVAL AND DISPOSAL

3.1 Removal

- 3.1.1 Contractor shall use a compressed air lance or similar method to loosen the contaminated soil in the crawlspace areas identified on Drawing C0.01. Minimize water use if needed.
- 3.1.2 Contractor shall use a dry vacuum extraction or similar method to remove the contaminated soil from the crawlspace areas.
- 3.1.3 **Soil extraction methods using water shall not be used.**
- 3.1.4 Soil removal depths shall vary depending on bedrock elevation and amount of soil below the crawlspace.
- 3.1.5 Soil removal shall not extend into the bedrock.

3.2 Disposal

- 3.2.1 SKB Environmental (13425 Courthouse Blvd., Rosemount, MN 55068) has been pre-approved of as the soil disposal facility. Should the Contractor wish to dispose of the soil at a different facility, the Contractor shall be required to complete any and all required soil disposal applications (including waste profile sheets and any additional analytical testing) at no additional cost to the Owner. A copy of the approved waste profile shall be submitted to the Owner and Engineer. The alternate facility must be approved by MPCA prior to beginning disposal.
- 3.2.2 Contractor shall load contaminated soil onto trucks and haul the contaminated soil to a MPCA-approved special waste soil disposal facility. Contractor shall pay disposal fees.

4. DEBRIS REMOVAL AND DISPOSAL

- 4.1 Removal - Remove concrete, rock, wood and other debris in the crawlspaces identified on Drawing C0.01.

4.2 Disposal

- 4.2.1 Dem-Con Companies (3601 W 130th, Shakopee, MN 55379) has been pre-approved of as the debris waste disposal facility. Should the Contractor wish to dispose of the debris at a different facility, the Contractor shall be required to complete any and all required debris disposal applications (including waste profile sheets and any additional analytical testing) at no additional cost to the Owner. A copy of the approved waste profile shall be submitted to the Owner and Engineer. The alternate facility must be approved by MPCA prior to beginning disposal.
- 4.2.2 Contractor shall load contaminated debris onto trucks and haul to a MPCA-approved waste disposal facility. Contractor shall pay disposal fees.

5. PAYMENT

- 5.1 For all items not bid on a lump sum (LS) basis, payment shall be based on actual quantities utilized or supplied as documented through disposal manifests, survey data or other reliable and verifiable means.
- 5.2 For quantities bid on a per cubic yard (CY) basis, payment shall be based on in-situ volumes as verified by pre-excavation survey data collected by Engineer.
- 5.3 For quantities bid on a per ton basis, payment shall be based on the actual weight of material landfilled.
- 5.4 Excavation depths shall be directly measured to aid in verifying volumes.
- 5.5 Contractor has the option, if desired, to independently survey for verification purposes quantities bid on a CY basis.

END

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE ARCHITECT IS FORBIDDEN.

Plot Date: 05/02/2017 - 1:17pm
 Drawing name: \\A:\1937\ash\193702\193702.dwg
 User: ash\ash\ash

HASTINGS ECONOMIC DEVELOPMENT AND REDEVELOPMENT AUTHORITY REMEDIAL SOIL REMOVAL INSIDE BUILDING FORMER H.D. HUDSON MANUFACTURING FACILITY CITY OF HASTINGS, MINNESOTA



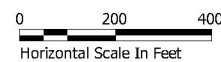
12075 N. Corporate Parkway, Suite 200
 Mequon, WI 53072
 www.stantec.com



**PROJECT
 LOCATION**

Sheet List Table	
Sheet Number	Sheet Title
G0.01	TITLE SHEET
C0.01	SOIL REMOVAL AREAS
C0.02	SOIL REMOVAL AREAS
C8.01	STORMWATER & EROSION CONTROL
C8.02	STORMWATER & EROSION CONTROL DETAILS
C8.03	STORMWATER & EROSION CONTROL DETAILS
C8.04	STORMWATER & EROSION CONTROL DETAILS

VICINITY MAP



TITLE SHEET

REMEDIAL SOIL REMOVAL INSIDE BUILDING
 HASTINGS ECONOMIC DEVELOPMENT AND REDEVELOPMENT AUTHORITY
 HASTINGS, MINNESOTA

DATE OF ISSUANCE
 5/5/2017

NO. REVISION DATE

SURVEY JOHNSON & SCORFIELD
 DRAWN EJM
 DESIGNED EJM
 CHECKED DC
 APPROVED MAW

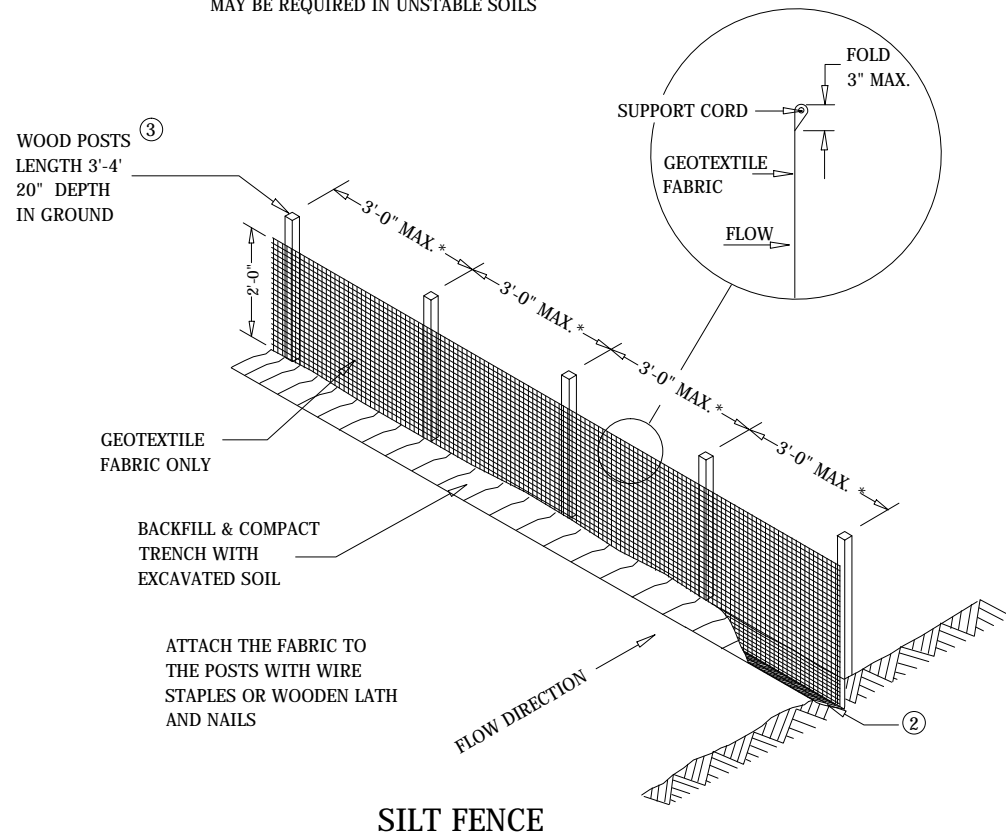
PROJ. NO. 193704123

SHEET NUMBER
G0.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY PROPOSED CHANGES SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

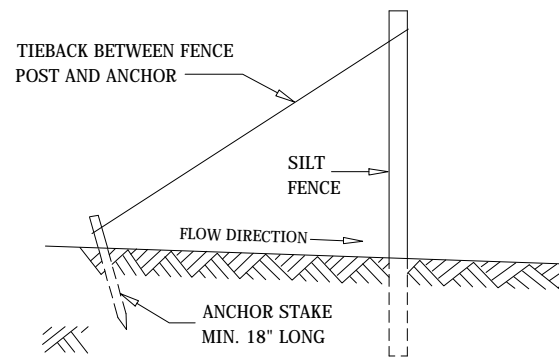
Plot Date: 06/07/2017 - 1:27pm
 Drawing name: \\s1937\csh\ve\19370264\03_2016\user_defined\Interior Bid Drawings\Phase II\19370264\03_2016.dwg
 xref: 19370264\03_2016

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS



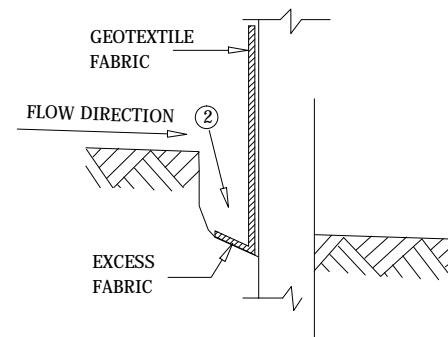
SILT FENCE

*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.



SILT FENCE TIE BACK

(WHEN ADDITIONAL SUPPORT REQUIRED)

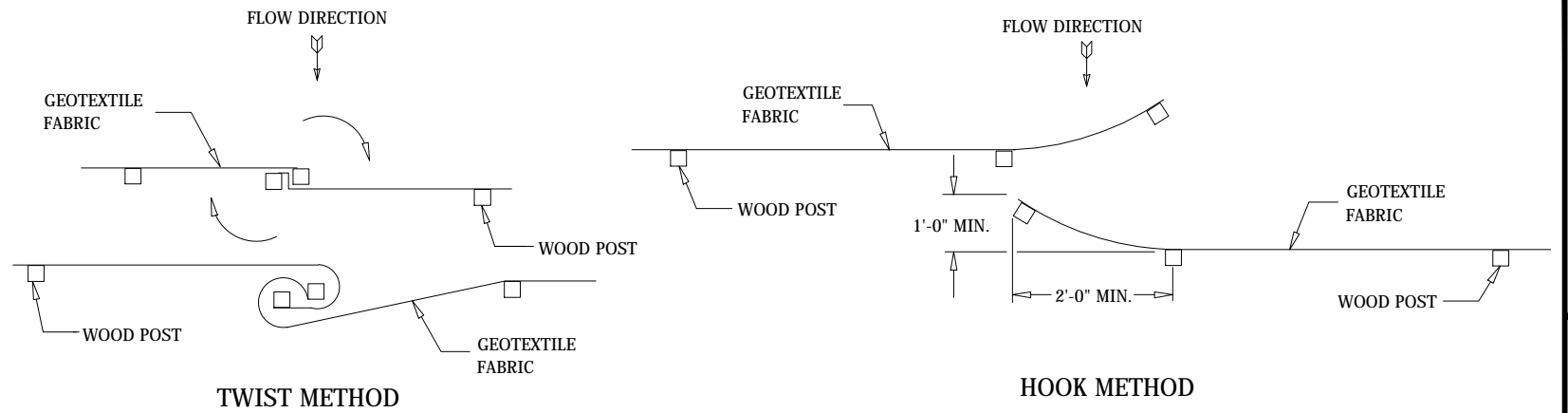


TRENCH DETAIL

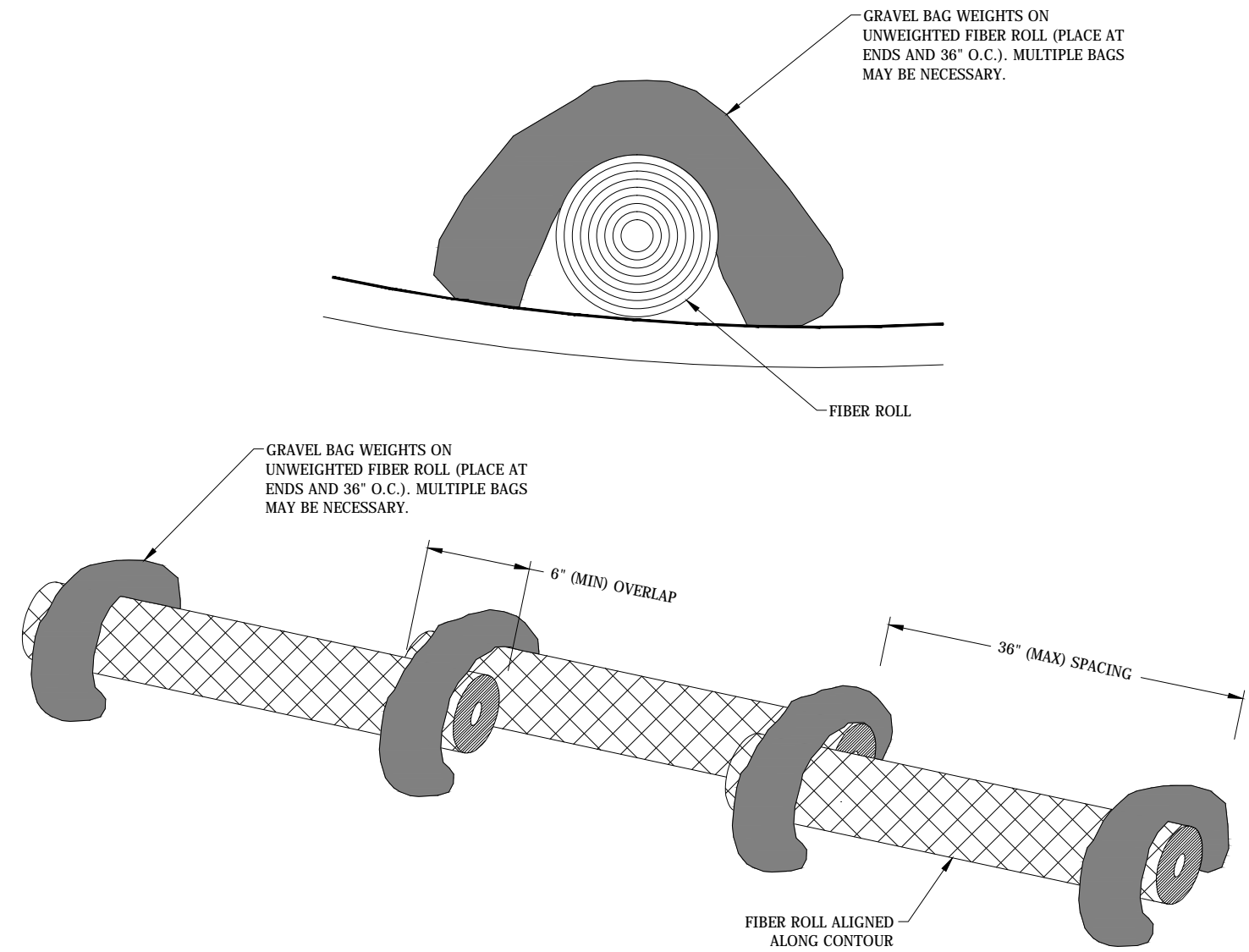
GENERAL NOTES

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

PERIMETER SEDIMENT CONTROL (UNFROZEN GROUND)



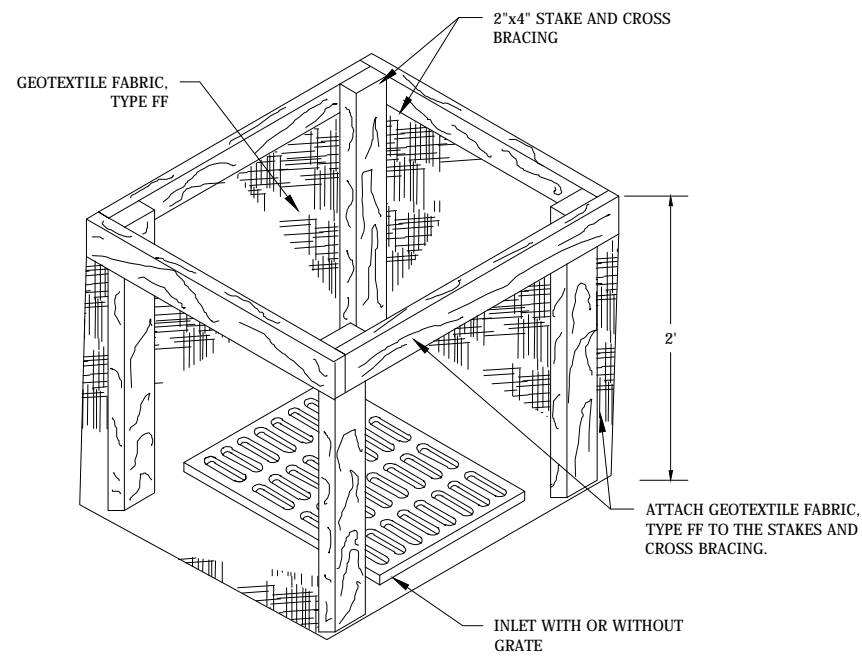
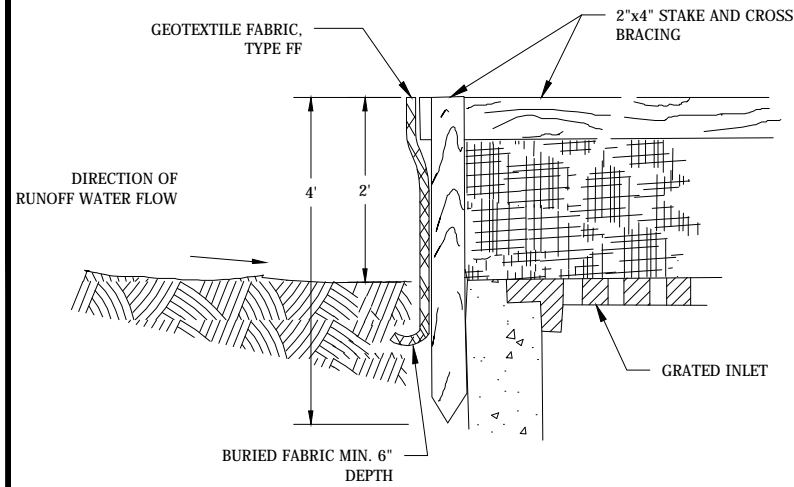
JOINING TWO LENGTHS OF SILT FENCE



PERIMETER SEDIMENT CONTROL (FROZEN GROUND & PAVEMENT)

DATE OF ISSUANCE	
5/5/2017	
NO	REVISION DATE
SURVEY: JOHNSON & SCORELD	
DRAWN	EJM
DESIGNED	EJM
CHECKED	MLN
APPROVED	HAW
PROJ. NO.	193704123
SHEET NUMBER	
C8.02	

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY PROPOSED CHANGES SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.



INLET PROTECTION, TYPE A

GENERAL NOTES

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE MINNESOTA DEPARTMENT OF TRANSPORTATION'S LIST OF APPROVED PRODUCTS MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

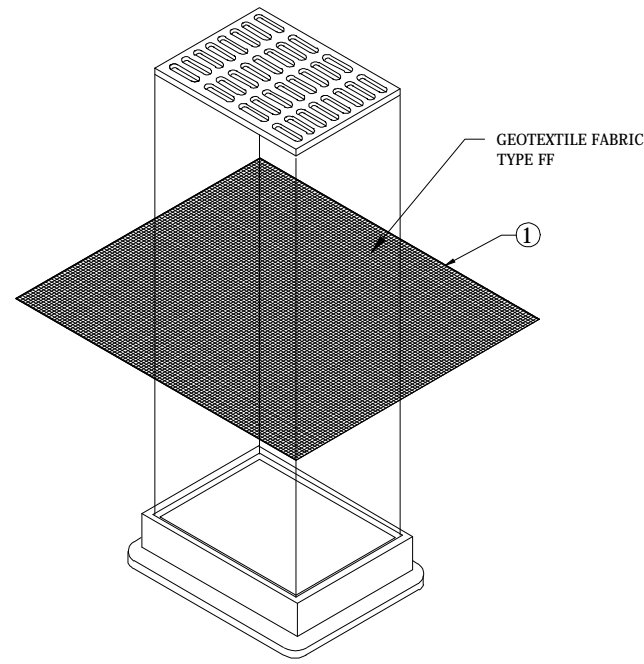
INSTALLATION NOTES

TYPE B & C
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

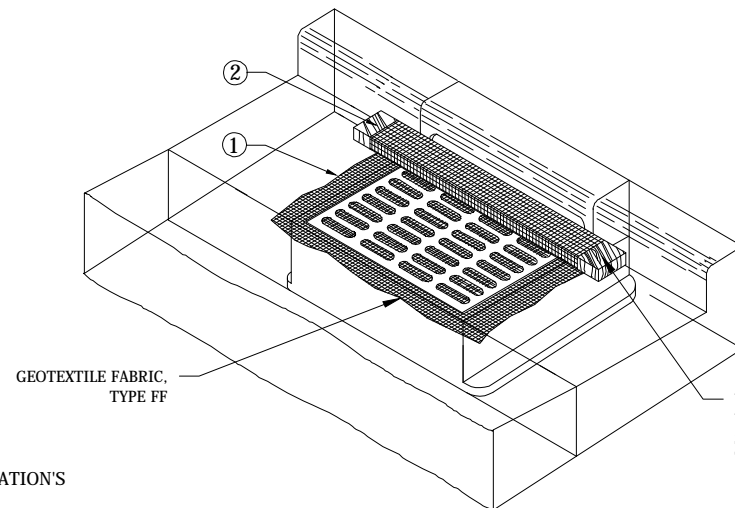
TYPE D
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

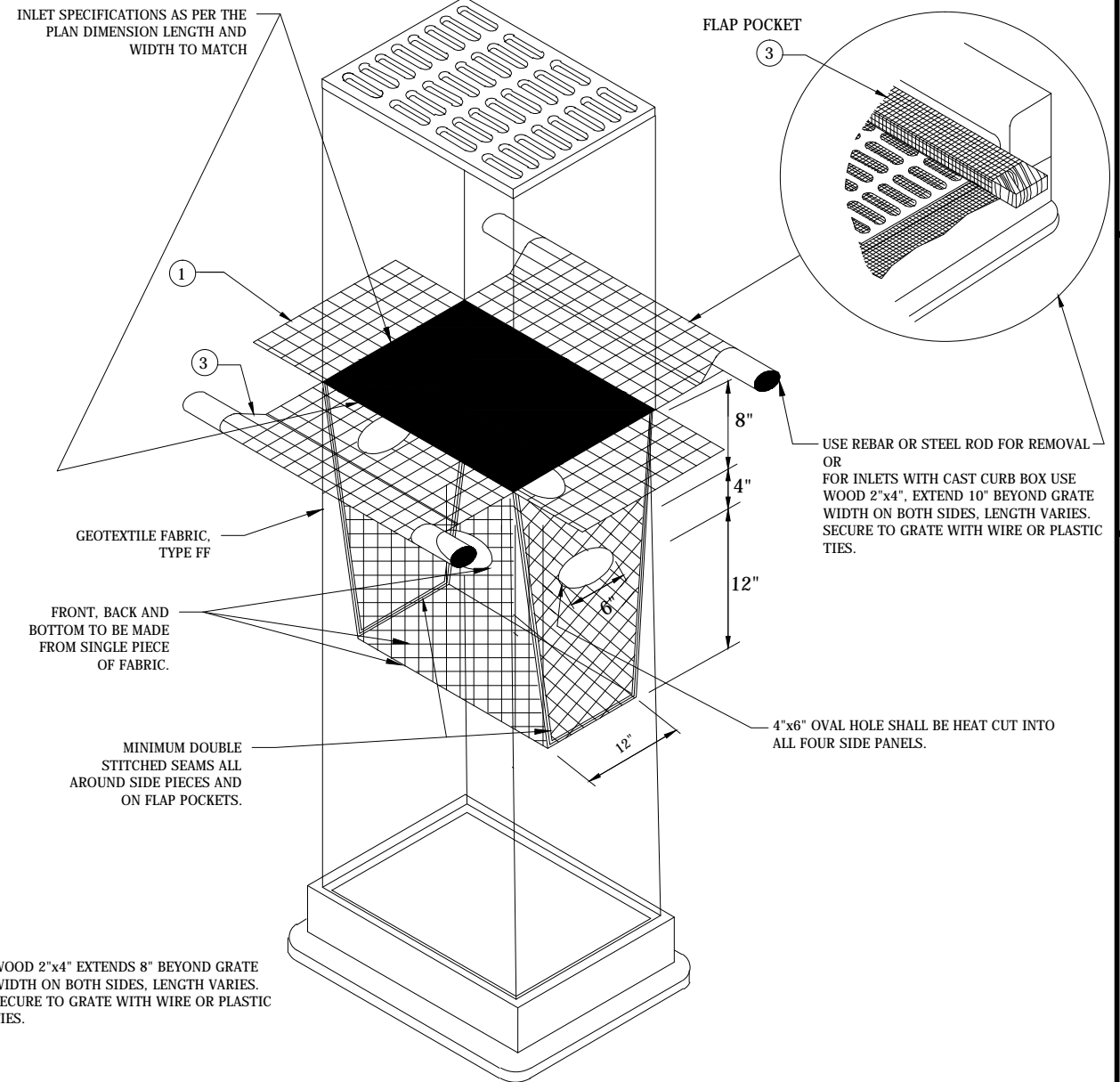
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



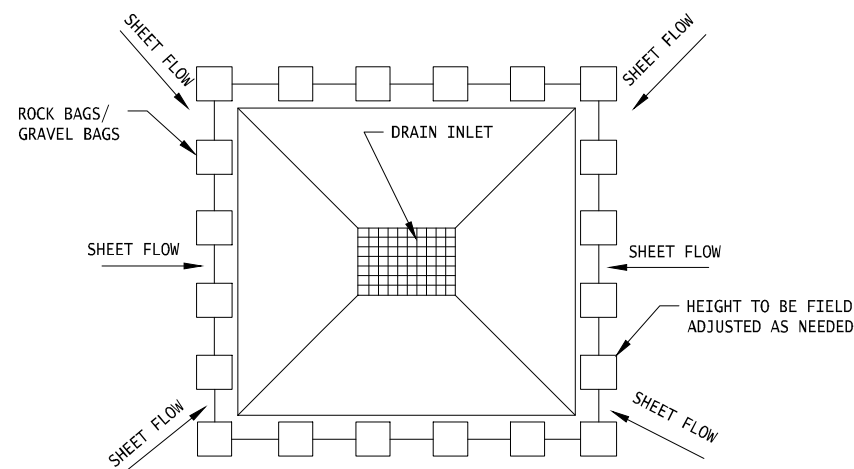
INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



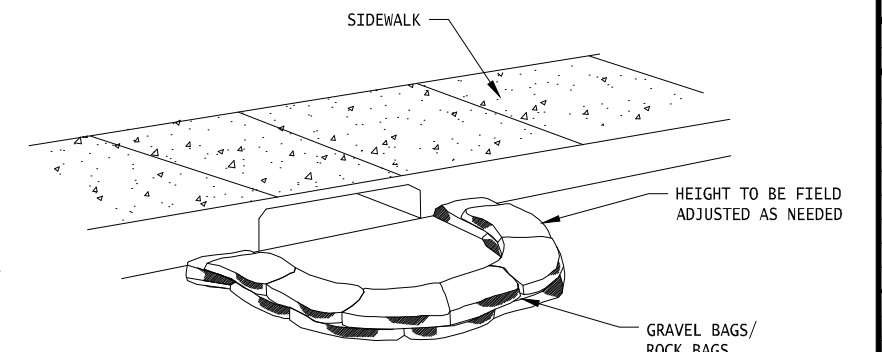
INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE 2)



INLET PROTECTION, TYPE E

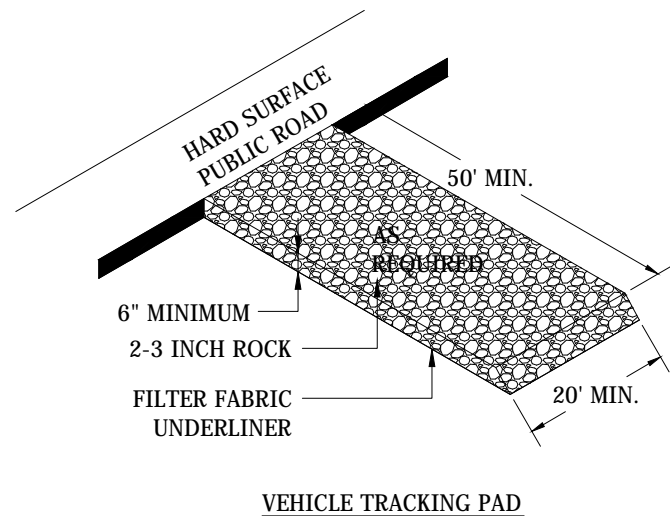


INLET PROTECTION, TYPE F

DATE OF ISSUANCE	5/5/2017
NO/REVISION	DATE
SURVEY/JOHNSON & SCORELD	
DRAWN	EJM
DESIGNED	EJM
CHECKED	MLN
APPROVED	HAW
PROJ. NO.	193704123
SHEET NUMBER	C8.03

Plot Date: 06/07/2017 - 1:27pm
Drawing name: V:\1937\csh\193702654\03_0010\user_defined\Interior Bag Drawings\Phase II\193702654C803.dwg
Title: 193702654.dwg

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC IMMEDIATELY WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.



VEHICLE TRACKING PAD

CONSTRUCTION SEQUENCE:

1. INSTALL VEHICLE TRACKING PADS, PERIMETER CONTROLS, AND INLET PROTECTIONS AT LOCATIONS SHOWN ON SHEET C8.01.
2. COMPLETE REMOVAL AND OFF-SITE HAULING OF CONTAMINATED SOIL/DEBRIS USING DRY VACUUM EXTRACTION.

EROSION CONTROL:

1. CONSTRUCT AND MAINTAIN ALL EROSION CONTROL AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE "MINNESOTA GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY".
2. SEDIMENT CONTROL MEASURES MAY NEED TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
3. PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. SEDIMENT CONTROL MEASURES ARE TO BE IN GOOD WORKING CONDITION AT THE END OF EACH DAY.
4. A TRAINED PERSON (AS IDENTIFIED IN PART III.A.3.a. OF THE MINNESOTA GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY) WILL ROUTINELY INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. FOLLOWING AN INSPECTION THAT OCCURS WITHIN 24 HOURS AFTER A RAINFALL EVENT, THE NEXT INSPECTION MUST BE CONDUCTED WITHIN 7 DAYS AFTER THE RAINFALL EVENT.
5. DO NOT REMOVE ANY SEDIMENT CONTROL MEASURES UNTIL THE AREAS SERVED HAVE 70% OR MORE OF ESTABLISHED VEGETATIVE COVER.
6. ALL TRACKED SOIL ON ADJACENT STREETS FROM THIS PROJECT MUST BE CLEANED AT MINIMUM ON A DAILY BASIS.
7. PREVENT OVERLAND FLOW FROM LEAVING ANY PORTION OF THE SITE BY INSTALLING PERIMETER CONTROLS PARALLEL TO THE SLOPE DOWNHILL FROM THE WORK AREA.

MAINTENANCE:

1. PERIMETER CONTROLS SHALL BE INSPECTED ONCE EVERY 7 DAYS OR WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.
2. ALL PERIMETER CONTROL DEVICES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE HALF OF THE HEIGHT OF THE DEVICE.
3. THESE REPAIRS MUST BE MADE BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR THEREAFTER AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
4. MORE FREQUENT INSPECTIONS WILL BE NEEDED DURING WINTER MONTHS.
5. VEHICLE TRACKING PADS REQUIRE CONSTANT MAINTENANCE ESPECIALLY DURING AND AFTER RAIN EVENTS TO EFFECTIVELY PREVENT TRACKING OF SEDIMENT ONTO PAVED ROADS.
6. ALL VEHICLE TRACKING PADS SHALL BE INSPECTED AT A MINIMUM DAILY AND MORE OFTEN WHEN THE POTENTIAL FOR SOIL TRACKING IS PRESENT.
7. ROCK SHOULD ALWAYS BE ON HAND AT THE CONSTRUCTION SITE FOR ADDITIONAL TOP DRESSING, REMOVAL AND REINSTALLATION OF THE PAD.
8. A COMBINATION OF PLOWING AND STREET SWEEPING EQUIPMENT SHOULD BE READILY AVAILABLE TO CLEAN SEDIMENT FROM PAVED SURFACES REGULARLY. SPECIAL ATTENTION SHOULD BE PAID TO PROMPTLY REMOVE ALL SEDIMENT AND SEDIMENT LADEN SNOW AND ICE ON THE ROADWAYS PRIOR TO THE SPRING MELT.
9. AFTER EACH RAINFALL, INLET PROTECTION SHOULD BE INSPECTED.
10. SEDIMENT COLLECTED AROUND THE INLET PROTECTION BMP SHOULD BE REGULARLY REMOVED TO A LOCATION THAT IS NOT SUSCEPTIBLE TO ADDITIONAL EROSION.
11. IF SIGNIFICANT PONDING OCCURS AROUND THE INLET, INSPECT FOR ANY CLOGGING THAT MAY BE PREVENTING PROPER DRAWDOWN.
12. SNOW SHOULD BE REMOVED AROUND THE INLETS WHEN POSSIBLE TO PREVENT THE SNOW FROM MELTING AND FREEZING CREATING ICE BUILD-UP.
13. IF ICE BUILD-UP DOES OCCUR, IT IS NECESSARY TO MANUALLY BREAK-UP THE ICE FOR REMOVAL OR USE STEAM TO INSTIGATE MELTING. UNDER NO CIRCUMSTANCE SHOULD SALT BE USED TO REMOVE THE ICE.
14. ALL BMPs USED AT INLETS SHOULD HAVE OVERFLOW ASSURANCE SO THAT FLOW WILL BY-PASS A FROZEN FABRIC OR NATURAL MATERIAL FILTER.
15. INSPECTION AND MAINTENANCE WILL OFTEN RESULT IN EASY ICE BREAK-UP WHEN PROBLEMS ARE QUICKLY DISCOVERED.
16. PRIOR TO THE SPRING, SITE MANAGERS SHOULD INSPECT EACH OF THE INLETS AND UNDERTAKE ACTIONS AS NECESSARY TO ASSURE UNIMPEDED FLOW THROUGH THE INLET PROTECTION BMPs.

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 User: 193702654

STORMWATER & EROSION CONTROL DETAILS

REMEDIAL SOIL REMOVAL INSIDE BUILDING
 HASTINGS ECONOMIC DEVELOPMENT AND REDEVELOPMENT AUTHORITY
 HASTINGS, MINNESOTA

DATE OF ISSUANCE
 5/5/2017

NO	REVISION	DATE

SURVEY: JOHNSON & SCOFIELD
 DRAWN: EJM
 DESIGNED: EJM
 CHECKED: MLN
 APPROVED: HAW
 PROJ. NO.: 193704123

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