



## **PERMIT REPORT**

**To:** Board of Managers

**From:** Tom Dietrich, Permitting Program Manager

**Date:** July 27, 2018

**Re:** Permit 18-431: Minnehaha Creek Watershed District (MCWD) - 325 Blake Road, Hopkins

---

### **Recommendation:**

Approval of the MCWD permit application on the following conditions:

1. Submission of a copy of the NPDES permit number.

### **Background:**

Minnehaha Creek Watershed District (MCWD) has applied for an MCWD permit for the demolition of a commercial property at the above referenced address. This permit triggers the Erosion Control Rule only, and is before the Board of Managers for consideration per District practice of promoting transparency through the regulatory process on District owned projects. The Stormwater Management Rule is not triggered because no impervious surface will be created or replaced. The site is located at the intersection of Blake Road North and Lake Street Northeast, south of Cottageville Park in the City of Hopkins. Minnehaha Creek is situated on the northeastern property line of the parcel and flows southeast, towards the Cedar Regional Trail and the Minnehaha Preserve. The applicant is proposing to demolish the commercial building that is present on the parcel. The applicant has submitted a plan for erosion control, including best management practice specifications and a stormwater pollution prevention plan (SWPPP). The site will be temporarily stabilized until construction begins on Phase II of the project.

### **District Rule Analysis:**

#### Erosion Control Rule

The MCWD's Erosion Control Rule is applied when a project proposes 5,000 square feet of disturbance or 50 cubic yards of fill, excavation, or stockpiling on-site. The Applicant is proposing 13.9 acres of disturbance, therefore the rule is triggered. The Applicant has submitted an erosion control plan which provides best management practices to achieve erosion and sediment control including a rock construction entrance, silt fence and inlet protection where

*We collaborate with public and private partners to protect and improve land and water for current and future generations.*





necessary. Additionally, a temporary sedimentation basin has been included per Minnesota Pollution Control Agency construction stormwater standards. A vegetative stabilization plan including temporary stabilization has also been provided, which will be in place until the next phase of the project. The Project's concrete washout will be contained on a truck. A Minnesota Pollution Control Agency National Discharge Elimination System (NPDES)/State Disposal System (SDS) stormwater permit for construction activity will be obtained by the Applicant prior to the start of demolition; provision of this information will be a condition of staff approval of the permit.

**Summary:**

MCWD has applied for an MCWD permit under the Erosion Control rule for the demolition of a commercial property. The proposed project meets the applicable requirements under the applicable rules. Staff recommends approval of the permit with the conditions listed.

**Attachments:**

1. Application Form
2. Site Plan

*We collaborate with public and private partners to protect and improve land and water for current and future generations.*



**WATER RESOURCE PERMIT APPLICATION FORM**

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:  
15320 Minnetonka Blvd. Minnetonka, MN 55345.

Keep a copy for your records.

**YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.**

1. Name of each property owner: Minnehaha Creek Watershed District  
Mailing Address: 15320 Minnetonka Blvd City: Minnetonka State: MN Zip: 55345  
Email Address: mhayman@minnehahacreek.org Phone: 952-471-8226 Fax: \_\_\_\_\_

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...)  
Business Name: Minnehaha Creek Watershed District Representative Name: Michael Hayman  
Business Address: 15320 Minnetonka Blvd City: Minnetonka State: MN Zip: 55345  
Email Address: mhayman@minnehahacreek.org Phone: 952-471-8226 Fax: \_\_\_\_\_

3. Project Address: 325 Blake Road North City: Hopkins  
State: MN Zip: 55426 Qtr Section(s): NE 1/4 Section(s): 19 Township(s): 117 Range(s): 21  
Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ PID: 1911721140002

4. Size of project parcel (square feet or acres): 16.84 acres  
Area of disturbance (square feet): 605,484 Volume of excavation/fill (cubic yards): 0  
Area of existing impervious surface: 12.2 acres Area of proposed impervious surface: 0 acres (temp)  
Length of shoreline affected (feet): n/a Waterbody (& bay if applicable): Minnehaha Creek

5. Type of permit being applied for (Check all that apply):  
 EROSION CONTROL  WATERBODY CROSSINGS/STRUCTURES  
 FLOODPLAIN ALTERATION  STORMWATER MANAGEMENT  
 WETLAND PROTECTION  APPROPRIATIONS  
 DREDGING  ILLICIT DISCHARGE  
 SHORELINE/STREAMBANK STABILIZATION

6. Project purpose (Check all that apply):  
 SINGLE FAMILY HOME  MULTI FAMILY RESIDENTIAL (apartments)  
 ROAD CONSTRUCTION  COMMERCIAL or INSTITUTIONAL  
 UTILITIES  SUBDIVISIONS (include number of lots)  
 DREDGING  LANDSCAPING (pools, berms, etc.)  
 SHORELINE/STREAMBANK STABILIZATION  OTHER (DESCRIBE): \_\_\_\_\_


7. NPDES/SDS General Stormwater Permit Number (if applicable): Contractor will apply

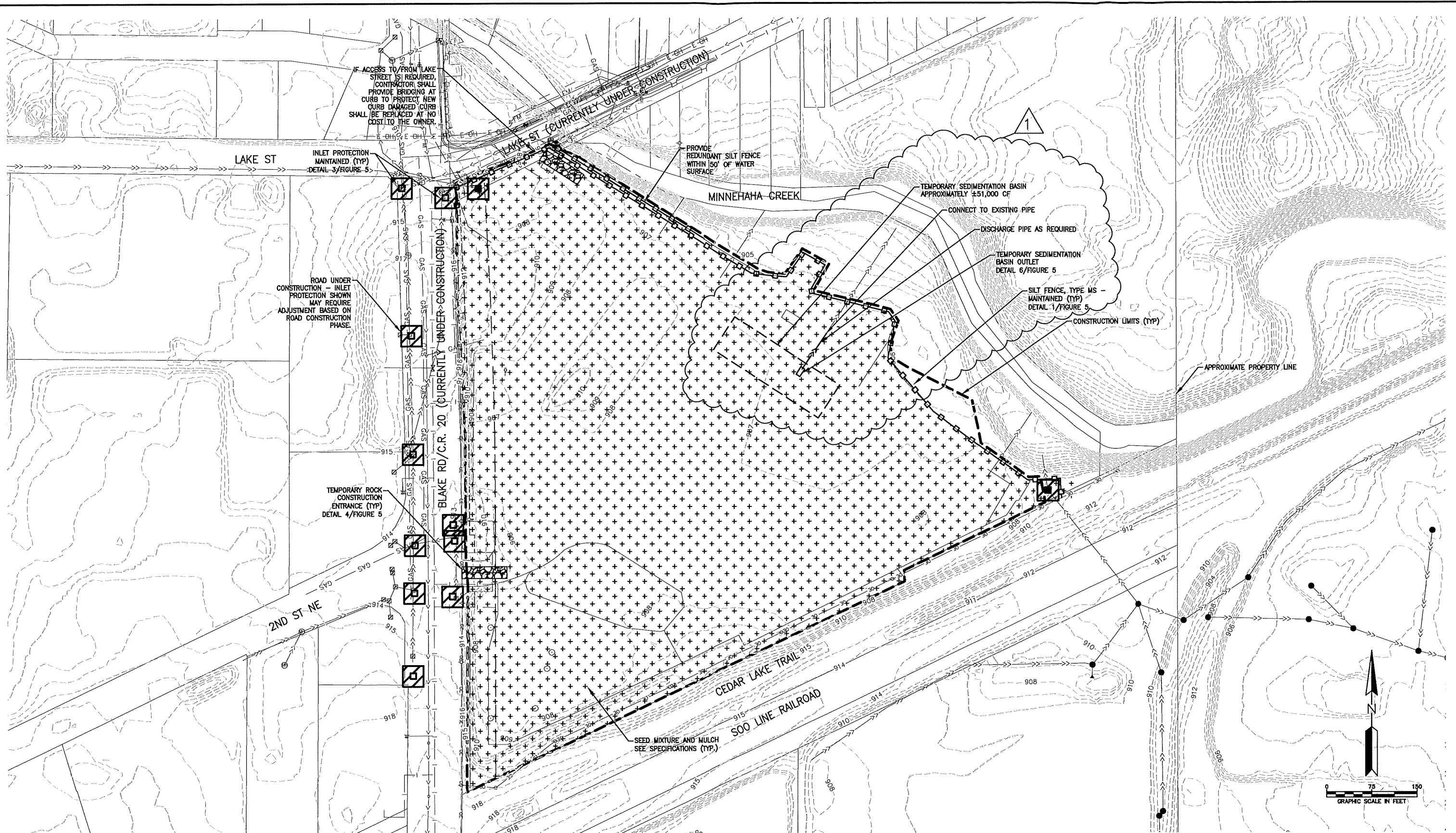
8. Waterbody receiving runoff from site: Minnehaha Creek

9. Project Timeline: Start Date: August 13, 2018 Completion Date: December 28, 2018

Permits have been applied for: City  County  MN Pollution Control Agency  DNR  COE   
Permits have been received: City  County  MN Pollution Control Agency  DNR  COE

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

Michael Hayman  7/27/2018  
Signature of Each Property Owner Date



EROSION CONTROL NOTES:  
 1. SEE SHEETS FIGURE 2, FIGURE 5, AND FIGURE 6  
 2. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

REV	REVISION DESCRIPTION	DWN	APP	REV DATE
1	ADDENDUM 1	JVB	CJM	07/18/18
0	ISSUED FOR BID	JVB	CJM	07/02/18

SEAL  
 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
 CHRISTOPHER J. WEEHAN  
 DATE 07/02/18 REG. NO. 43068

PRIME CONSULTANT  
  
 Responsive partner. Exceptional outcomes.

PROJECT TITLE  
**HOPKINS COLD STORAGE  
 DEMOLITION PROJECT**  
 325 BLAKE ROAD, HOPKINS, MINNESOTA  
  
**MINNEHAHA CREEK  
 WATERSHED DISTRICT**  
 QUALITY OF WATER, QUALITY OF LIFE

SHEET TITLE			
<b>EROSION CONTROL PLAN</b>			
DWN BY	CHK'D	APP'D	DWG DATE
JVB	ES	MJS	JULY 2018
PROJECT NO.		SCALE	
0185-0098		AS SHOWN	
SHEET NO.		REV NO.	
FIGURE 4		1	

PROJECT INFORMATION

PROJECT NAME: HOPKINS COLD STORAGE DEMOLITION
PROJECT LOCATION: 325 BLAKE ROAD, HOPKINS, MN
PROJECT TYPE: BUILDING DEMOLITION, REMOVAL OF BITUMINOUS AND CONCRETE PAVEMENT, MISCELLANEOUS UTILITIES ABANDONMENT.

TOTAL AREA DISTURBED BY CONSTRUCTION: ±13.9 ACRES.
TOTAL SITE AREA: ±13.9 ACRES.
ESTIMATED CONSTRUCTION DATES:
BASE BID: AUGUST - SEPTEMBER 2018
ALTERNATE BID: SUMMER 2018 - WINTER 2018

CUMULATIVE IMPERVIOUS SURFACE/PERMANENT STORMWATER MANAGEMENT REQUIREMENTS:
THERE IS CURRENTLY ±12.2 ACRES OF EXISTING IMPERVIOUS SURFACE IN THE PROJECT AREA.

BASE BID: THE PROPOSED AREA OF IMPERVIOUS IS ±10.2 ACRES RESULTING IN A ±2.0 ACRE NET DECREASE IN IMPERVIOUS SURFACE.
ALTERNATE BID: THE PROPOSED AREA OF IMPERVIOUS IS ±0.0 ACRES RESULTING IN A ±12.2 ACRE NET DECREASE IN IMPERVIOUS SURFACE.

THE SITE ULTIMATELY DRAINS TO, AND IS WITHIN 1 MILE OF, MINNEHAHA CREEK, WHICH IS LISTED AS AN IMPAIRED WATER FOR AQUATIC LIFE AND AQUATIC RECREATION. THERE ARE CURRENT EPA APPROVED TMDLS FOR THE WATERBODY FOR CHLORIDE AND FECAL COLIFORM.

THE DEMOLITION PLANS CALL FOR REMOVAL OF ALL IMPERVIOUS AREAS. THE PROPOSED SITE PLAN INCLUDES SEEDING AND MULCHING OF PROJECT AREA FOR VEGETATIVE ESTABLISHMENT. FUTURE PROJECT PHASES MAY INCLUDE OTHER PERMANENT STORMWATER MANAGEMENT PRACTICES.

PARTY RESPONSIBLE FOR LONG TERM OPERATION AND MAINTENANCE OF THE SITE (OWNER):
MINNEHAHA CREEK WATERSHED DISTRICT
CONTACT: MICHAEL HAYMAN
CONTACT PHONE: (952) 471-8226
CONTACT EMAIL: MHAYMAN@MINNEHAHACREEK.ORG

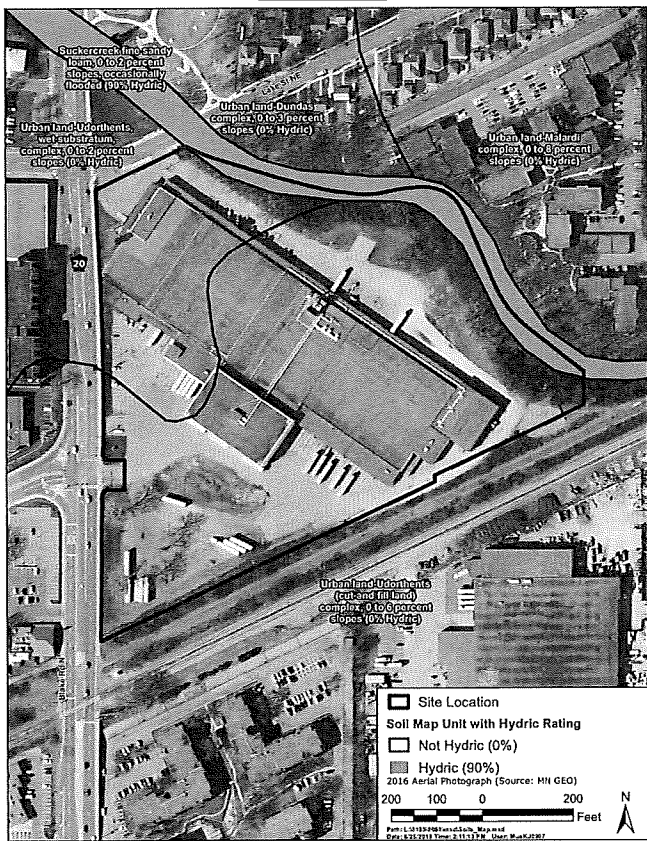
PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP (CONTRACTOR):
TBD - CONTRACTOR SHALL PROVIDE A CHAIN OF RESPONSIBILITY WITH ALL OPERATORS ON THE SITE FOR INCORPORATION INTO THIS SWPPP DOCUMENT TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE (THROUGH FINAL STABILIZATION AND NOT SUBMITTAL). CONTRACTOR SHALL ALSO PROVIDE DOCUMENTATION OF PERSONNEL TRAINING IN ACCORDANCE WITH THE PERMIT FOR INCORPORATION INTO THIS SWPPP DOCUMENT AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. CONTRACTOR IS RESPONSIBLE FOR KEEPING A FINAL SWPPP DOCUMENT, CONTAINING THE INFORMATION REQUIRED ABOVE, AT THE CONSTRUCTION SITE FOR THE DURATION OF THE PROJECT.

ESTIMATED BMP QUANTITIES AND INSTALLATION SCHEDULE

THE ADJACENT TABLE INDICATES THE ESTIMATED MATERIAL QUANTITIES NECESSARY TO IMPLEMENT THE TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS IDENTIFIED IN THIS SWPPP AND ON THE CONSTRUCTION DRAWINGS. TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS WILL BE INSTALLED/CONSTRUCTED WHEN NECESSARY AS CONSTRUCTION ACTIVITIES PROGRESS AND IN ACCORDANCE WITH THE NPDES PERMIT REQUIREMENTS.

BMP QUANTITIES table with columns for BMP type and quantity. Includes rows for SILT FENCE, INLET PROTECTION, TURF ESTABLISHMENT, and MAINTAINED ROCK ENTRANCES.

SOIL MAP



EROSION AND SEDIMENT CONTROL

PRIOR TO ANY SITE DISTURBANCE, AND AS REQUIRED AS CONSTRUCTION PROGRESSES, ANY PERMIT REQUIRED EROSION PREVENTION MEASURES AND THE SEDIMENT CONTROL DEVICES (INLET PROTECTION, CONSTRUCTION ENTRANCE, SILT FENCE, BIOTROLL, EROSION CONTROL BLANKET) SHOWN ON THE CONSTRUCTION DRAWINGS WILL BE INSTALLED AT THE SITE.

ALL EXPOSED SOIL AREAS WITHIN THE CONSTRUCTION LIMITS WILL BE STABILIZED WITHIN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY (WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS) OR PERMANENTLY CEASED. STABILIZATION WILL BE INITIATED IMMEDIATELY. EXPOSED SOIL AREAS MUST HAVE TEMPORARY EROSION PROTECTION (SLASH MULCH, EROSION CONTROL BLANKET, SEED) OR PERMANENT COVER YEAR ROUND.

CONTRACTOR SHALL IMPLEMENT APPROPRIATE CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING, AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION WHEN PRACTICAL. THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH THAT DRAINS WATER FROM A CONSTRUCTION SITE, OR DIVERTS WATER AROUND A SITE, MUST BE STABILIZED WITHIN 200 LINEAL FEET FROM THE PROPERTY EDGE, OR FROM THE POINT OF DISCHARGE TO ANY SURFACE WATER. STABILIZATION MUST BE COMPLETED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER.

SWPPP IMPLEMENTATION, PHASING, AND SEQUENCE OF CONSTRUCTION

BMP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:

- 1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND INSTALL SILT FENCE.
2. INSTALL INLET PROTECTION AT EXISTING STORMWATER CULVERTS AND INLETS.
3. PREPARE TEMPORARY STORAGE, PARKING, AND PHASING AREAS.
4. CONSTRUCT AND STABILIZE DIVERSIONS AND TEMPORARY SEDIMENT TRAPS/BASINS.
5. PERFORM CLEARING AND GRUBBING OF THE SITE, IF APPLICABLE.
6. START REMOVAL OF THE BUILDING STRUCTURE AND PAVED AREAS.
7. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
8. TEMPORARILY SEED WITH PURE LIVE SEED THROUGHOUT CONSTRUCTION DISTURBED AREAS THAT WILL BE INACTIVE FOR SEVEN (7 DAYS) OR MORE AS REQUIRED BY NPDES PERMIT.

SEDIMENT TRAP/BASIN NOTES:

- 1. A TEMPORARY SEDIMENT BASIN PROVIDING 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED TO THE BASIN SHALL BE PROVIDED FOR THE ENTIRE DRAINAGE AREA OF THE TEMPORARY BASIN.
2. BASIN OUTLET(S) MUST BE DESIGNED TO PREVENT SHORT-CIRCUITING AND DISCHARGE OF FLOATING DEBRIS. PROVIDE ENERGY DISSIPATION AT BASIN OUTLET(S).
3. BASIN MUST BE DESIGNED WITH THE ABILITY TO ALLOW COMPLETE BASIN DRAINAGE FOR MAINTENANCE ACTIVITIES, AND MUST INCLUDE A STABILIZED EMERGENCY OVERFLOW TO PREVENT FAILURE OF POND INTEGRITY.
4. BASIN MUST BE SITUATED OUTSIDE OF SURFACE WATERS AND ANY REQUIRED BUFFER ZONES.
5. BASIN MUST BE CONSTRUCTED AND MADE OPERATIONAL PRIOR TO FIVE (5) OR MORE ACRES OF DISTURBED SOILS DRAINING TO A COMMON LOCATION.

SEDIMENT CONTROL PRACTICES MUST MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS. THE FOLLOWING MEASURES WILL BE TAKEN AS SEDIMENT CONTROL PRACTICES IN ORDER TO MINIMIZE SEDIMENTS FROM ENTERING SURFACE WATERS:

- 1. INSTALLATION OF SEDIMENT CONTROL PRACTICES ON ALL DOWN GRADIENT PERIMETERS PRIOR TO LAND DISTURBING ACTIVITIES.
2. SILT FENCING, BIOLOGS, OR OTHER SEDIMENT CONTROL SURROUNDING TEMPORARY SOIL STOCKPILES.
3. VEHICLE TRACKING BMP AT CONSTRUCTION SITE ENTRANCE/EXIT. STREET SWEEPING SHALL BE PERFORMED IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING. TRACKED SEDIMENT MUST BE REMOVED FROM ALL PAVED SURFACES BOTH ON AND OFFSITE WITHIN 24 HOURS OF DISCOVERY PER THE PERMIT.

THE FOLLOWING GUIDELINES WILL BE USED TO DETERMINE IF POLLUTION CONTROL DEVICES REQUIRE MAINTENANCE, REPAIR, OR REPLACEMENT:

- IF SEDIMENT CONTROL DEVICES SUCH AS SILT FENCE ARE FILLED TO 1/3 THE HEIGHT OF THE FENCE, REMOVE ALL SEDIMENT WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF INLET PROTECTION DEVICES APPEAR PLUGGED WITH SEDIMENT, ARE FILLED TO 1/3 CAPACITY, OR HAVE STANDING WATER AROUND THEM, REMOVE THE SEDIMENT AND CLEAN OR REPLACE THE FILTER WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF THE GRAVEL CONSTRUCTION ENTRANCE(S) ARE FILLED WITH SEDIMENT EITHER REPLACE THE ENTRANCE OR ADD ADDITIONAL GRAVEL WITH 24 HOURS OF DETECTION OR NOTIFICATION.
-IF SEDIMENT FROM THE SITE IS OBSERVED ON ADJACENT STREETS OR OTHER PROPERTIES, THE INSPECTOR SHALL IDENTIFY THE SOURCE AND DISCHARGE LOCATION OF THE SEDIMENT AND INSTRUCT TO IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROLS AT THOSE LOCATIONS TO PREVENT FUTURE DISCHARGES.
-IF BUILDING MATERIALS, CHEMICALS, OR GENERAL REFUSE IS BEING USED, STORED, DISPOSED OF, OR OTHERWISE MANAGED INAPPROPRIATELY, CORRECT SUCH DEFECTS WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF EXCESSIVE SEDIMENTS OR DEBRIS ARE OBSERVED AT THE FLARED END SECTION OUTFALLS, THE INSPECTOR SHALL DETERMINE THE SOURCE AND DISCHARGE LOCATIONS OF SUCH MATERIALS. IF THE DISCHARGE HAS OCCURRED ON THE PROPERTY, REMOVE THE SEDIMENTS AND DEBRIS WITHIN 24 HOURS OF NOTIFICATION AND CORRECT THE SOURCE OF SUCH MATERIALS AS DIRECTED BY THE INSPECTOR

POLLUTION PREVENTION MEASURES

SOLID WASTE
SOLID WASTE, INCLUDING BUT NOT LIMITED TO, COLLECTED ASPHALT AND CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS AND OTHER WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.

HAZARDOUS MATERIALS
HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND ANY HAZARDOUS SUBSTANCE MUST BE PROPERLY STORED INCLUDING SECONDARY CONTAINMENTS, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE

CERTIFICATION

IN ACCORDANCE WITH PART III.A.2.A.1. OF THE GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES, THE PREPARER OF THIS DOCUMENT WAS TRAINED UNDER THE UNIVERSITY OF MINNESOTA EROSION AND SEDIMENT CONTROL CERTIFICATION PROGRAM. LOUIS SIGTERMANS' CERTIFICATION IN DESIGN OF SWPPP IS VALID THROUGH MAY 31, 2020.

Revision table with columns for revision number, description, and dates. Includes rows for ADDENDUM 1 and ISSUED FOR BID.

SEAL
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
CHRISTOPHER J. MEEHAN
DATE 07/02/18 REG. NO. 43066

PRIME CONSULTANT
WENCK
Responsive partner. Exceptional outcomes.

PROJECT TITLE
HOPKINS COLD STORAGE DEMOLITION PROJECT
325 BLAKE ROAD, HOPKINS, MINNESOTA
MINNEHAHA CREEK WATERSHED DISTRICT
QUALITY OF WATER, QUALITY OF LIFE

SHEET TITLE
SWPPP
DWN BY: LHS, CHK'D: LHS, APP'D: LHS, DWG DATE: JULY 2018, SCALE: AS SHOWN, PROJECT NO.: 0185-0098, SHEET NO.: FIGURE 6, REV NO.: 1

PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

CONSTRUCTION EQUIPMENT/VEHICLES
EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE. REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS SHALL BE TAKEN. ADEQUATE SUPPLIES MUST BE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS; CONDUCT FUELING IN A CONTAINED AREA UNLESS INFEASIBLE.

CONCRETE WASHOUT AREA
CONCRETE WASHOUT WILL BE PERMITTED ON-SITE; CONTRACTOR SHALL FOLLOW ALL PERMIT REQUIREMENTS FOR CONCRETE WASHOUT. THE CONTRACTOR SHALL PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND AND THE CONTAINMENT MUST BE DESIGNED TO PROHIBIT RUNOFF FROM THE WASHOUT OPERATIONS/AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH MPCA RULES. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY THAT REQUIRES SITE PERSONNEL TO UTILIZE THE PROPER FACILITIES FOR CONCRETE WASHOUT AND DISPOSAL OF WASHOUT WASTES. CONTRACTOR SHALL REVISE SWPPP TO INDICATE WASHOUT LOCATION ONCE THE LOCATION HAS BEEN DETERMINED.

FERTILIZERS AND LANDSCAPE MATERIALS MUST BE UNDER COVER TO PREVENT THE DISCHARGE OF POLLUTANTS OR PROTECTED BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.

PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER - SANITARY WASTE MUST BE DISPOSED OF PROPERLY.

GENERAL SWPPP NOTES

DEWATERING IS NOT ANTICIPATED TO BE REQUIRED DURING TRENCHING FOR UTILITY REMOVAL. IN THE EVENT THAT DEWATERING IS NECESSARY CONTRACTOR SHALL COMPLY WITH PERMIT PART IV.D. REQUIREMENTS FOR DEWATERING.

THIS SWPPP SHALL BE AMENDED BY THE CONTRACTOR IN ACCORDANCE WITH THE PERMIT AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS PER PART III.B. OF THE PERMIT.

THE PROJECT MAY DISTURB 5 OR MORE ACRES THAT PROMOTE DRAINAGE TO A COMMON LOCATION. THEREFORE A TEMPORARY SEDIMENT BASIN MAY BE REQUIRED. THIS SWPPP SHALL BE AMENDED BY THE CONTRACTOR IN ACCORDANCE WITH THE GENERAL PERMIT TO INCLUDE TEMPORARY SEDIMENTATION BASINS. BASINS SHALL BE DESIGNED TO ACCOMMODATE NO LESS THAN 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE OF CONTRIBUTING DRAINAGE AREA. BASIN OUTLETS SHALL BE DESIGNED TO WITHDRAW WATER FROM THE SURFACE OF THE BASIN, PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS. BASINS SHALL HAVE A STABILIZED EMERGENCY OVERFLOW LOCATION AND BE DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS TO THE EXTENT PRACTICAL.

FINAL STABILIZATION

ALL PERVIOUS AREAS DISTURBED BY CONSTRUCTION AS DESIGNATED WILL RECEIVE VEGETATIVE COVER ACCORDING TO THE PLANS AND SPECIFICATIONS AND WITHIN THE SPECIFIED VEGETATIVE TIME SCHEDULE. FINAL STABILIZATION WILL OCCUR WHEN THE SITE HAS A UNIFORM VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE RESTORED PERVIOUS AREAS. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS (SUCH AS SILT FENCE) MUST BE REMOVED AS PART OF THE SITE FINAL STABILIZATION. ALL SEDIMENT MUST BE CLEANED OUT OF CONVEYANCES AND TEMPORARY SEDIMENTATION BASINS IF APPLICABLE. NOTICE OF TERMINATION (NOT) MUST BE SUBMITTED WITHIN 30 DAYS OF FINAL STABILIZATION.

IMPAIRED WATERS, SPECIAL WATERS, AND WETLANDS

THIS PROJECT IS LOCATED WITHIN ONE MILE OF, AND ULTIMATELY DISCHARGES TO, AN IMPAIRED WATER. MINNEHAHA CREEK IS LOCATED ALONG THE NORTHEAST PERIMETER OF THE PROJECT LOCATION AND IS LISTED AS IMPAIRED FOR AQUATIC LIFE AND AQUATIC RECREATION. DISCHARGE TO AN IMPAIRED WATER REQUIRES IMPLEMENTATION OF PARTS C.1 AND C.2 OF APPENDIX A OF THE PERMIT AS INCORPORATED INTO THIS SWPPP DOCUMENT.

THE PROJECT SITE DISCHARGES VIA OVERLAND FLOW DIRECTLY TO MINNEHAHA CREEK. THE PROJECT WILL NOT IMPACT WETLANDS.

SITE SOILS - SITE SOILS ARE SHOWN ON THIS SHEET. THIS PROJECT IS NOT LOCATED IN A KARST AREA.

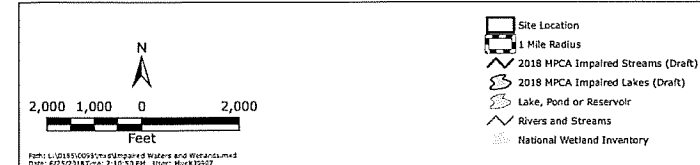
SWPPP DOCUMENTS

THE SWPPP IS COMPOSED OF, BUT NOT LIMITED TO, THE BELOW PROJECT DOCUMENTS. THESE DOCUMENTS SHALL BE KEPT ON THE PROJECT SITE AT ALL TIMES THROUGHOUT CONSTRUCTION. THE SWPPP SHALL BE AMENDED BY THE PERSON RESPONSIBLE TO INCLUDE ANY DOCUMENTS NECESSARY TO ENSURE ADHERENCE TO THE GENERAL PERMIT.

HOPKINS COLD STORAGE DEMOLITION CIVIL CONSTRUCTION DRAWINGS BY WENCK ASSOCIATES DATED JULY 2018

RECORD RETENTION - THE SWPPP, ALL CHANGES TO IT, AND INSPECTION AND MAINTENANCE RECORDS MUST BE KEPT ON-SITE DURING CONSTRUCTION; THE CONSTRUCTION DRAWINGS ARE INCORPORATED HEREIN BY REFERENCE, AND A COPY OF THE PLAN SET SHOULD BE KEPT ON-SITE WITH THE SWPPP RECORDS. THE OWNER MUST RETAIN A COPY OF THE SWPPP ALONG WITH THE FOLLOWING RECORDS FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION:

- 1. ANY OTHER PERMITS REQUIRED FOR THE PROJECT;
2. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION;
3. ALL PERMANENT OPERATIONS AND MAINTENANCE AGREEMENTS THAT HAVE BEEN IMPLEMENTED, INCLUDING ALL RIGHT OF WAY, CONTRACT, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
4. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.



INSPECTIONS

THE INSPECTION LOG WILL BE COMPLETED BY THE CONTRACTOR FOR THE CONSTRUCTION SITE. INSPECTOR(S): TBD - TRAINING DOCUMENTATION (PER PART IV.E OF THE PERMIT) WILL BE INCORPORATED INTO THIS SWPPP AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. THE CONTRACTOR WILL MAKE CORRECTIONS OR REPAIRS REQUIRED TO COMPLY WITH THE PERMIT.

INSPECTIONS AT THE SITE WILL BE COMPLETED IN ACCORDANCE WITH THE PERMIT AS FOLLOWS: ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

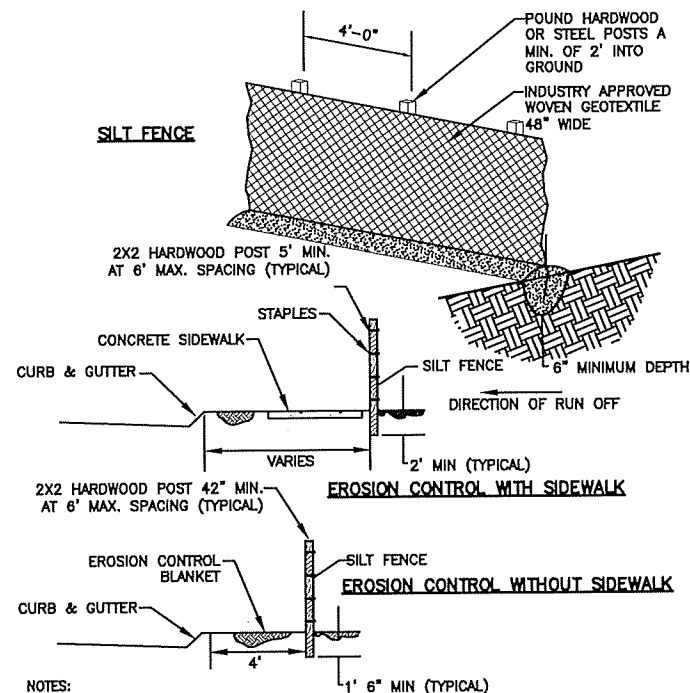
- 1. THE INDIVIDUAL PERFORMING INSPECTIONS MUST BE TRAINED AS REQUIRED BY PART IV.E OF THE PERMIT. TRAINING DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR FOR INCORPORATION INTO THE SWPPP. INSPECTIONS MUST INCLUDE STABILIZED AREAS, EROSION PREVENTION AND SEDIMENT CONTROL BMPS, AND INFILTRATION AREAS. CORRECTIVE ACTIONS MUST BE IDENTIFIED AND DATE OF CORRECTION MUST BE NOTED AS IDENTIFIED IN SECTION IV.E OF THE PERMIT. ANY OFFSITE DISCHARGE MUST BE DOCUMENTED AS IDENTIFIED IN SECTION IV.E.2.F OF THE PERMIT. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED WITHIN SEVEN (7) CALENDAR DAYS. AN INSPECTION LOG IS ALSO ATTACHED; THE INSPECTION LOG AND SWPPP MUST BE KEPT ON-SITE FOR THE DURATION OF THE CONSTRUCTION PROJECT.

AT A MINIMUM, THE FOLLOWING SHALL BE COMPLETED DURING EACH INSPECTION:

- RECORD DATE AND TIME OF INSPECTION.
-RECORD RAINFALL RECORDS SINCE THE MOST RECENT INSPECTION.
-INSPECT THE SITE FOR EXCESS EROSION AND SEDIMENTATION.
-INSPECT THE SITE FOR DEBRIS, TRASH, AND SPILLS.
-INSPECT TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES.
-INSPECT CONSTRUCTION ENTRANCES FOR SEDIMENT TRACKING ONTO PUBLIC STREETS.
-RECORD RECOMMENDED REPAIRS AND MODIFICATIONS TO EROSION AND SEDIMENT CONTROLS.
-RECOMMEND ANY NECESSARY CHANGES TO THIS SWPPP.
-RECORD REPAIRS AND MODIFICATIONS IMPLEMENTED SINCE PREVIOUS INSPECTIONS.
-INSPECT THE ADJACENT STREETS AND CURB AND GUTTER FOR SEDIMENT, LITTER, AND CONSTRUCTION DEBRIS.

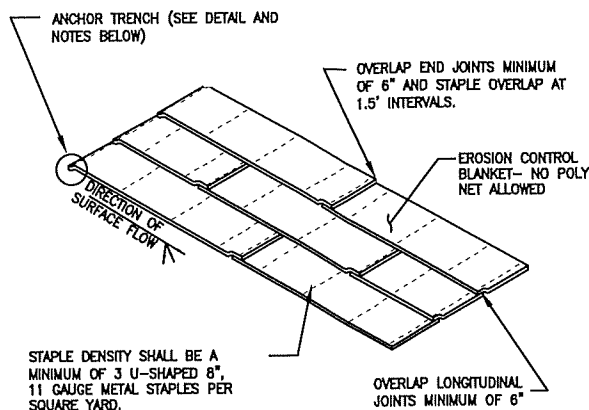
THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G. PAVING, SEWER INSTALLATION, ETC), CLEARING, GRUBBING, GRADING, OR TEMPORARY AND PERMANENT STABILIZATION.

THE CONTRACTOR MAY UPDATE OR MODIFY THE SWPPP WITHOUT ENGINEER APPROVAL IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.



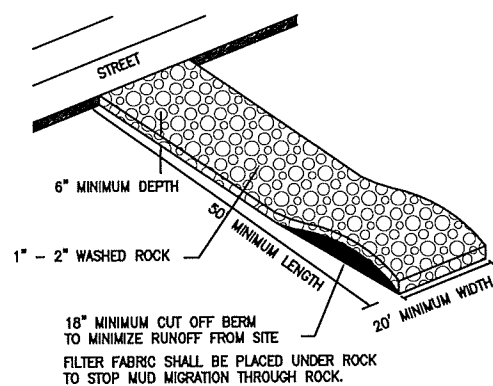
- NOTES:
1. INSTALL SILT FENCE PER PLAN SET BEFORE BEGINNING CONSTRUCTION
  2. INSTALL SILT FENCE AND EROSION CONTROL BLANKET BEHIND CURB & GUTTER AS SHOWN
  3. REPLACE TORN, OVERBURDENED, OR DECOMPOSING SILT FENCE WITHIN 24 HOURS
  4. TO JOIN SECTIONS OF SILT FENCE, POSITION POSTS TO OVERLAP. FABRIC SHOULD FOLD AROUND EACH POST ONE FULL TURN

**SILT FENCE DETAIL**  
NOT TO SCALE

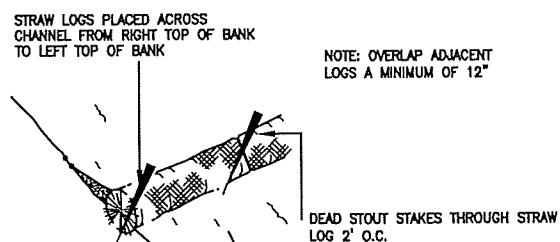


- ANCHOR TRENCH**
1. DIG 6" X 6" TRENCH
  2. LAY BLANKET IN TRENCH
  3. STAPLE AT 1.5' INTERVALS
  4. BACKFILL WITH NATURAL SOIL AND COMPACT
  5. BLANKET LENGTH SHALL NOT EXCEED 100' WITHOUT AN ANCHOR TRENCH

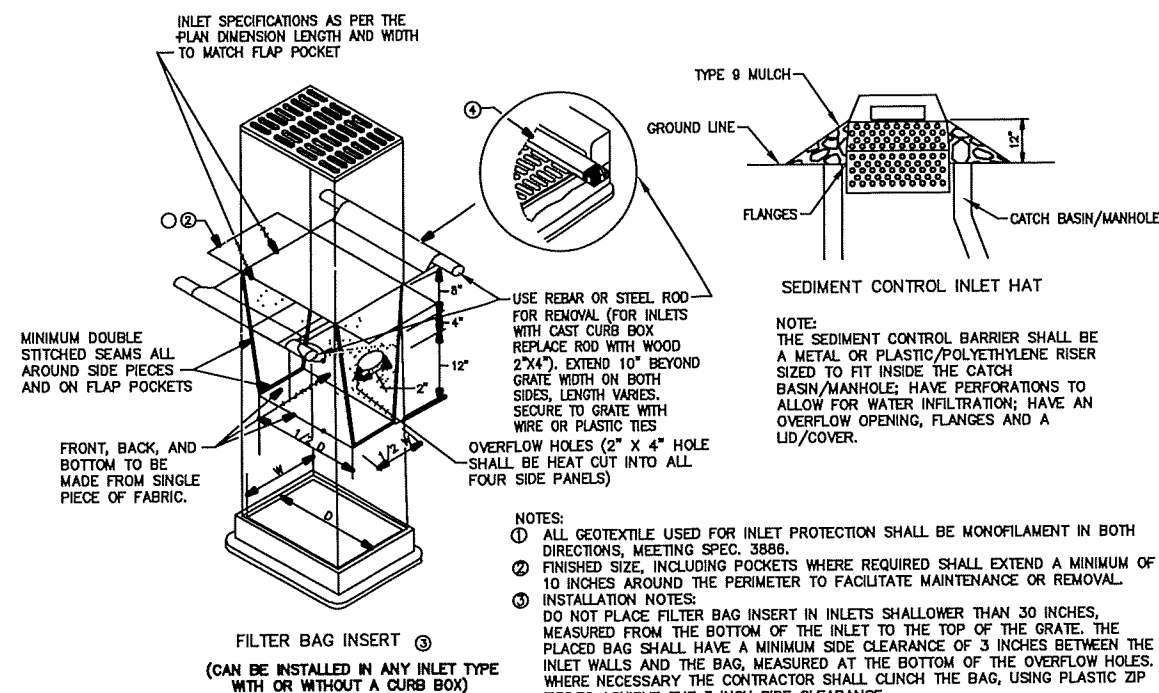
**EROSION CONTROL BLANKET DETAIL**  
NOT TO SCALE



**ROCK CONSTRUCTION ENTRANCE**  
NOT TO SCALE

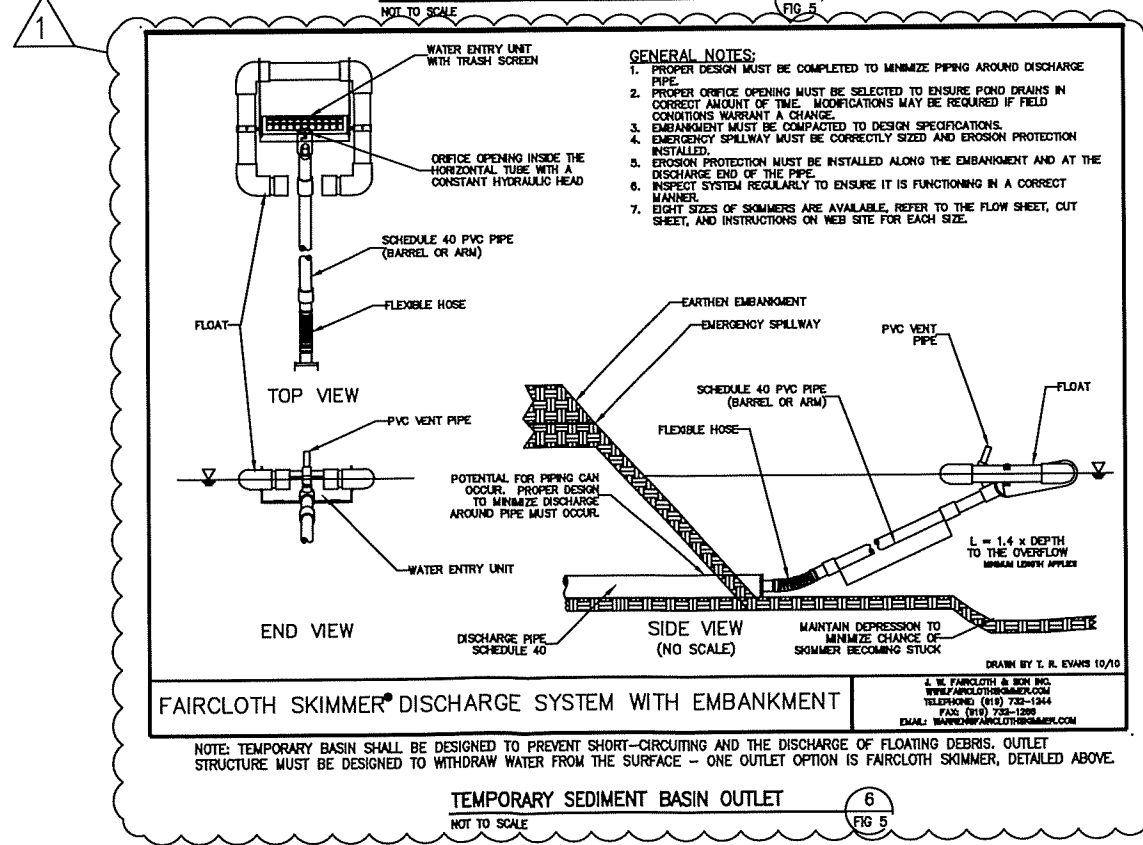


**BIOROLL DETAIL**  
NOT TO SCALE



- NOTES:
1. ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
  2. FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
  3. INSTALLATION NOTES:  
DO NOT PLACE FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE PLACED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
  4. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"X4" OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.

**INLET PROTECTION DETAIL**  
NOT TO SCALE



- GENERAL NOTES:**
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
  2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
  3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
  4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
  5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
  6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
  7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE. REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

**FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT**  
TEMPORARY SEDIMENT BASIN OUTLET  
NOT TO SCALE

REV	REVISION DESCRIPTION	DWN	APP	REV DATE
1	ADDENDUM 1	JVB	CJM	07/18/18
0	ISSUED FOR BID	JVB	CJM	07/02/18

SEAL  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
*Christopher A. Meehan*  
CHRISTOPHER A. MEEHAN  
DATE 07/02/18 REG. NO. 43068

PRIME CONSULTANT  
**WENCK**  
Responsive partner. Exceptional outcomes.

PROJECT TITLE  
HOPKINS COLD STORAGE  
DEMOLITION PROJECT  
325 BLAKE ROAD, HOPKINS, MINNESOTA

MINNEHAHA CREEK  
WATERSHED DISTRICT  
QUALITY OF WATER, QUALITY OF LIFE

SHEET TITLE			
EROSION CONTROL DETAILS			
DWN BY	CHK'D	APP'D	DWG DATE
JVB	ES	MJS	JULY 2018
PROJECT NO.	SHEET NO.	SCALE	AS SHOWN
0185-0098	FIGURE 5		
REV NO.	1		