## Rules: Erosion Control, Wetland Protection Shoreline & Streambank Stabilization, Floodplain Alteration, Waterbody Crossings & Structures, and Variance

# Applicant: City of HopkinsReceived: 11/14/17Project:Blake RoadComplete: 12/29/17Location:Blake Road between Trunk Highway 7 and Spruce Avenue, HopkinsNoticed: 1/11/18 & 1/25/18

## **Recommendation:**

Staff recommend approval with the following conditions:

- Authorization from the Minnehaha Creek Watershed District and the Minnesota Department of Transportation to conduct work on MCWD property and MnDOT right of way, respectively
- Submission of an executed maintenance agreement for Waterbody Crossings & Structures after approval of a draft by MCWD staff Submission of an executed maintenance agreement for Waterbody Crossings & Structures after approval of a draft by MCWD staff
- Identification of the Contractor responsible for maintaining the erosion control plan

### Background:

The City of Hopkins has applied for a MCWD permit for Erosion Control, Wetland Protection, Shoreline & Streambank Stabilization, Floodplain Alteration, Waterbody Crossings & Structures, and Variance to the required setback for horizontal directional boring under a watercourse for road and utility improvements to 1.8 miles of Blake Road between Highway 7 and Spruce Avenue in the City of Hopkins. The purpose of the project is to upgrade the roadway and associated utilities to facilitate and support forecasted redevelopment in the area, to improve safety of pedestrians and bicyclists at crossings along the roadway, and to improve business and residential access. The linear reconstruction will reduce Blake Road from a 60 foot-wide, five-lane undivided roadway to a 42.3 foot-wide, four-lane divided roadway with an 8-10 foot-wide trail along each side, where there is an existing walkway. Center medians and dedicated left turn lanes will also be included throughout the corridor. Overall, the project will result in a 0.57 acre decrease in impervious surface. The Blake Road Corridor drains to Minnehaha Creek (the Creek).

Per section 2(d)(1) of the Stormwater Management Rule, linear projects that create less than 10,000 square feet of new impervious surface are exempt from the rule. As the project proposes a reduction in impervious surface, the Stormwater Management Rule is not applicable to the permit application.

## **Property Rights**:

MCWD's procedural rule requires that an application bearing the original signature of the property owner(s) must be submitted to the District to obtain a permit. An application with the necessary signature has been submitted on behalf of the City of Hopkins, however the City of Hopkins does not own or have all of the property rights necessary to construct the entirety of the Project. The City owns the Blake Road ROW from Excelsior Boulevard to Spruce Avenue. Hennepin County owns the Blake Road ROW from Excelsior Boulevard to Spruce Avenue. Hennepin County owns the Blake Road ROW from Excelsior Boulevard to Highway 7 (CSAH 20). The Minnesota Department of Transportation (MnDOT) owns the ROW at the corner of Blake Road and Highway 7. CSAH 20 will be turned over to the City of Hopkins three to five years after the project is completed as documented in the executed Agreement for Jurisdictional Transfer (attachment 13).

Given the unique nature of this extensive public infrastructure project, staff determines in consultation with legal counsel that the procedural requirement can be met without a procedural variance by conditioning board approval of the permit on demonstration that all necessary property rights have been acquired for work as listed in the recommended conditions of approval.

## **Erosion Control:**

The District's Erosion Control rule is applicable for any project that proposes earth disturbance of 5,000 square feet and or 50 cubic yards of excavation or fill. The proposed linear redevelopment will disturb approximately 12 acres of land; therefore, the rule is applied. The applicant has provided the proper erosion control measures including floating silt curtain, silt fence, sediment control log, inlet protection, construction access stabilization, location of concrete washout, and final stabilization, including six inches of topsoil (attachment 5). A Minnesota Pollution Control Agency National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) stormwater permit for construction activity was issued on November 8<sup>th</sup>, 2017 (NPDES permit # C00048141, attachment 6).

The erosion control plan meets the District's rule requirements.

## Wetland Protection Rule:

Two wetlands were identified on or adjacent to the project site. The boundaries and types of both wetlands were confirmed in a MCWD Wetland Conservation Act (WCA) W16-53 Notice of Decision (NOD) dated October 4th, 2016 (attachment 3). Wetland A was identified on the MCWD-owned 415 Blake Road (Cottageville Park) parcel, over which the city is seeking to obtain an easement for the project. There are no proposed impacts to Wetland A and it is outside of the boundaries of the area over which the applicant will obtain an easement for purposes of the project. Wetland B was identified within the MnDOT ROW and is proposed to be temporarily and permanently impacted by work associated the replacement of an existing culvert. MnDOT is the Local Unit of Government (LGU) for WCA for wetlands located within the MnDOT ROW, and has sent a NOD confirming that the proposed temporary and permanent impacts associated with the culvert replacement qualify to meet a WCA de minimis exemption and therefore no replacement plan is required for the impact (attachment 4). Per section 5(a) of the MCWD Wetland Protection Rule, wetland buffer is required when the Waterbody Crossing and Structures rule is applied. Both Wetland A and Wetland B are located outside of the City of Hopkins ROW and are on land owned by other public entities (MCWD & MnDOT respectively). As with Wetland A, the nature and extent of the easement over the MnDOT ROW the city is obtaining does not extend to the area upgradient from the wetland to which the buffer requirement applies, no buffer is provided.

The Wetland Protection rule is met.

## Shoreline & Streambank Stabilization:

The District's Shoreline and Streambank Stabilization rule is applicable for any project proposing an improvement or alteration of the shoreline of a water basin or the bank of a watercourse. There is an existing culvert outfall and associated riprap located to the east of the Blake Road Bridge (Bridge) on the 415 Blake Road parcel. Erosion and scouring has resulted at and below the top of the streambank, which has eroded up to the culvert outfall. Replacement of the culvert outfall 5213 and associated riprap will disturb and stabilize approximately 30 linear feet of streambank at the outfall location (attachment 7 & 8), therefore the rule is applied. There will be no streambank disturbance associated with the replacement of the existing culvert 5316, therefore the Shoreline & Streambank Stabilization rule is not applied to that element. All other portions of the Creek streambank within the construction limits will remain in the existing condition.

Per section 2(b) applications for maintenance of an existing improvement that has not degraded to a natural state are not required to submit an erosion intensity calculation. There is existing riprap that is no longer installed in compliance with section 6 Criteria for Stabilization Techniques (attachment 7). Replacement of the culvert and associated riprap was analyzed as maintenance of an existing improvement therefore, the applicant is not required to submit an erosion intensity calculation to determine the stabilization practice. The District engineer has determined that riprap for energy dissipation is applicable based on the existing outfall condition and the provided velocity calculations for the discharge rate of stormwater. The 5213 culvert velocity discharge calculation for the 10-year flow event is 6.54 feet/second. According to the MnDOT drainage manual and confirmed by the District Engineer, vegetative stabilization is not recommended for the proposed velocity and riprap stabilization is deemed necessary to stabilize the outfall and bank of the creek.

To stabilize the outfall and the portion of the streambank that will be destabilized by the culvert placement, 12.3 cubic yards of Class III riprap will be utilized and will also include 1.1 cubic yards of granular filter, and 41.6 square yards of geotextile filter fabric per MnDOT Standard Plate 3133D (attachment 9). The specifications of the MnDOT Standard Plate 3133D meet the rule requirements for section 6 Criteria for Stabilization Techniques.

The project as designed meets the District's Shoreline & Streambank Stabilization Rule.

## **Floodplain Alteration:**

The District's Floodplain Alteration rule is triggered for any alteration or filling of land below the 100-year high water elevation. The FEMA 100-year base flood elevation contour west of the Blake Road bridge is 902' and east of the Blake Road Bridge is 901'. As the proposed replacement of two culverts east and west of the Blake Road Bridge (culverts 5213 & 5316) will cause land disturbance below the 100-year floodplain elevation contour, the rule is applied.

As discussed in the Shoreline & Streambank analysis, culvert 5213 is proposed to be stabilized with 12.3 cubic yards of Class III riprap. Culvert 5316 to the west of the Bridge is proposed to be stabilized with 15.8 cubic yards of Class III riprap. The proposed riprap for energy dissipation has been determined, by the District Engineer, to be necessary for stabilization and the proposed quantities are in conformance with standard engineering practices. The District established a policy, as documented in the 2014 Statement of Need and Reasonableness Housekeeping Amendments to MCWD Rules, that riprap placed below the 100-year floodplain elevation would not be regulated as fill. Per the policy, the 28.1 cubic yards of riprap does not require 28.1 cubic yards of compensatory storage.

While there is proposed land disturbance within the floodplain, Staff and the District Engineer have confirmed that the proposed culvert replacement and associated grading will result in no net fill of the floodplain.

The project at designed meets the District's Floodplain Alteration Rule.

## Waterbody Crossings and Structures:

The District Waterbody Crossings & Structures rule is applicable for any project that proposes to place a road, highway, utility, bridge, boardwalk or associated structure in contact with the bed or bank of any waterbody. Three project elements trigger the MCWD Waterbody Crossings and Structure Rule: a culvert east of the Bridge (outfall 5213) and associated riprap proposed to come into contact with the bank of Minnehaha Creek, a culvert outfall proposed in contact with the bank of Wetland B near the intersection of Hwy 7 & Blake Road, and horizontal directional boring under Minnehaha Creek to install both a watermain and sanitary sewer line. The below table summarizes the proposed waterbody crossings and structures:

| Waterbody       | Waterbody<br>Crossing or<br>Structure | Existing<br>(diameter, type, invert elevation) | Proposed<br>(diameter, type, invert elevation) |
|-----------------|---------------------------------------|--|--|
| Minnehaha Creek | Outfall 5213                          | 21" RCP inv= 898.81'                           | 30" RCP inv= 898.81'                           |
| Wetland B       | Outfall at Hwy 7                      | 18", RCP inv= 901.13'                          | 24" RCP, inv= 901.13'                          |
| Minnehaha Creek | Watermain Pipe,<br>Directional Bore   | 8", n/a, n/a                                   | 12", n/a, n/a                                  |
| Minnehaha Creek | Sanitary Pipe,<br>Direction Bore      | 6", n/a, n/a                                   | 12", n/a, n/a                                  |

Per section 3(a), structures in public waters shall meet a demonstrated public benefit and meet a specific need for all other projects. The two proposed culvert replacements are needed to correct existing degraded conditions that are causing erosion and sedimentation. Additionally, the Blake Road Corridor improvements are associated with meeting public safety improvements, demonstrating a public benefit. The installment of the watermain and sanitary sewer lines are to service the public and therefore demonstrate a public benefit.

Per the sections 3(b) the placement of the utility shall retain adequate hydraulic capacity, specifically changes in hydraulic capacity may not result in upstream or downstream increases in flood stage. Outfall 5213 and within the Hwy 7 ROW will be reconstructed at the same location and elevation with the same pipe material. The diameter of the outfall pipes will be increased in size to conform to present engineering standards, however, there will be a reduction in impervious surface and the drainage pattern is not changing from existing to proposed conditions, therefore, rates and volumes to these outfalls will not be increased. Additionally, there is a proposed sump catch basin proposed at each outfall to provide a new best management practice pre-treatment. The culvert replacements will not alter the Creek cross-section from existing to proposed conditions. The proposed directional boring 3-5 feet below the Creek bed will not impede hydraulic capacity. The applicant has demonstrated that hydraulic capacity will be retained per section 3(b).

Per Section 3(e) the placement of a utility shall not adversely affect water quality, specifically there will not be an increase in erosion or TSS loading. The riprap stabilization at the culvert outfalls will provide long term stabilization of the bank of the Creek and the bank of Wetland B and slow the velocity of water discharging. As there is demonstrated erosion in the existing condition, the proposed condition will reduce TSS loading to downstream waterbodies. Water quality will not be negatively affected per section 3(e).

Per section 3(g), projects involving horizontal direction drilling shall provide a minimum clearance of 3 feet below the bed of a waterbody, and a minimum set back of 100 feet from the stream bank for pilot, entrance, and exit holes. The sanitary sewer line is proposed 3 feet below the bed of Minnehaha Creek and the watermain is proposed 5 feet below the bed of Minnehaha Creek (attachment 9). The north bore pit is proposed 100 feet from the bank of Minnehaha Creek. The applicant is requesting a variance for the south bore pit which is proposed to be located 50 feet from the bank of the Creek. The applicant asserts that the borehole cannot be located in compliance with the 100-foot setback requirement because of an existing high pressure gas main located 90 feet south of the Creek (MCWD permit 17-109, attachment 11). The request for a variance from the required set-back for the south bore pit is discussed in the following section of this permit report.

Per section 3(h), the project shall provide design detail for avoiding sanitary discharge to a surface water in the event of a sanitary sewer breakage. The applicant has demonstrated that the bore pits will be defended with redundant erosion control best management practices. The sanitary line has included redundant valves in the plan set to avoid sanitary discharge into the Creek.

Per Section 3(f), the applicant has submitted design alternatives to show the proposed plan meets the minimal impact solution with relation to natural resource impact. One alternative submitted was a no-build situation. The proposed upgraded sanitary and water main lines under the creek are needed to accommodate projected future growth and development of the area. The existing culverts that discharge into Minnehaha Creek and Wetland B are degraded and need to be updated to correct existing erosion. Leaving the culverts in the existing condition will result in continued streambank and wetland erosion and continued transportation of sediment to downstream waterbodies. Additionally, a no-build situation does not meet the project goals. The second alternative submitted was to relocate the south pore pit 100 feet or greater from the bank of Minnehaha Creek. As there is an existing high pressure gas main located within the Blake Road ROW 90-feet south of Minnehaha Creek, relocating the bore pit could risk damage to the high pressure gas main and therefore is not feasible. Vegetation stabilization and no stabilization were considered for the culvert outfalls. Based on the velocities submitted for the 10-year flow design, vegetation stabilization at these locations is not recommended as there is a high potential for the vegetation to erode prior to establishment, and would not be considered a corrective action for the existing eroded conditions. Based on the two alternatives submitted for the horizontal directional boring and culvert replacements, MCWD staff concur that the applicant has demonstrated that the proposed plan represents a minimal impact solution.

Per section 3(c) hydraulic crossings shall retain adequate navigation capacity. There is no structural work proposed to the Bridge, there is no proposed increase to the 100 year floodplain elevation, and there is no proposed change to the existing Creek cross-section, therefore navigation capacity will not change from existing to proposed conditions.

Per section 3(d), aquatic and upland wildlife passages shall be preserved. The proposed culvert outfall replacements are for stormwater conveyance from the stormsewer pipe and do not provide a connection between a waterbody or watercourse. The proposed directional bore is below the bed of the Creek. Aquatic and upland wildlife passages will be preserved from existing to proposed conditions.

MCWD and the City of Hopkins will execute a permit specific maintenance agreement in accordance with section 6 for the proposed culverts, as listed in the recommendation for conditional approval.

The Project as designed, with the exception of the 50-foot setback from the Creek bank for the southern bore pit, meets the District's Waterbody Crossings and Structures rule.

## Variance:

The applicant has requested a variance to the required setback for horizontal directional boring under a watercourse from 100 feet to 50 feet for the southern bore pit due to the location of an existing high pressure gas main located 90-feet south of the creek. Under the District's variance rule, the applicant must demonstrate the following:

(a) Because of special conditions inherent to the property that do not apply generally to other land or structures in the District, strict compliance with the minimum set back requirement will cause undue hardship to the applicant;(b) The hardship was not created by the applicant, its owner or representative, or a contractor. Economic hardship is not grounds for issuing a variance;

(c) Granting the variance will not serve merely as a convenience to the applicant;

- (d) There is no feasible and prudent alternative to the bore pit location; and
- (e) Granting the variance will not impair or be contrary to the intent of the rules.

The applicant has submitted a signed variance application (attachment 12). The City of Hopkins is proposing to install a 12-inch PVC sanitary sewer and a 12-inch HDPE watermain under Minnehaha Creek to replace existing structures. These pipes will be installed via horizontal directional boring because it is the less intensive option when compared to open-trench installation. Under section 3(g) of the Waterbody Crossings & Structures rule, the proposed entrance and exit holes for these borings must have a minimum setback of 100-feet from the streambank. The project proposes to locate the entrance hole to the north at least 100-feet from the Creek and the hole to the south approximately 50-feet from the Creek. The southern hole is located within the 100-foot minimum setback due to an existing high-pressure gas main that was installed in 2017. The gas main sits 90-feet from the Creek. To construct both the new watermain and the new sanitary sewer while avoiding impacts to the in-place gas main, the applicant has proposed the bore pit to be located closer to the Creek streambank at 50-feet.

The variance application was analyzed under Section 2 of the Variances and Exceptions Rule. The space constraints requiring the variance are a result of special conditions that are unique to this location and do not apply to other land in the District. The inability to move the bore pit to the 100-foot minimum setback distance was not created by the City of Hopkins but is instead due to the existing location of a high-pressure gas main within the Blake Road right-of-way. The limitations were not created by the City of Hopkins as the gas main was installed by CenterPoint Energy. The City of Hopkins has provided redundant erosion control best management practices to protect the water quality and integrity of the Creek, reducing the risk the rule provision is in place to address. The Variance is not requested by the City of Hopkins as a convenience, but is due to site limitations. The City of Hopkins has demonstrated that there is no feasible or prudent alternative to the bore pit by considering the following alternatives:

- The alternative of moving the bore pit to the 100-foot setback distance near the high-pressure gas main would risk damage to the gas main during construction, creating the potential to cause leakage, breakage and evacuation of the area. Leakage would result in a vapor cloud that has the potential to easily ignite. Horizontal directional boring near the high-pressure gas main provides unnecessary risks that can be avoided.
- The alternative of moving the bore pit to a distance farther than the location of the high-pressure gas main would require boring past the gas main and would have a high potential of causing damage to the pipeline as noted above.
- Relocating the high-pressure gas main is a risky operation that would involve strategic planning and risk of leakage.

Staff concurs in the factual statements and technical justifications stated above and in the variance application. Accordingly, staff finds there is an adequate technical basis and justification to grant the requested variance.

### Summary:

The City of Hopkins has applied for a MCWD permit for Erosion Control, Shoreline & Streambank Stabilization, Floodplain Alteration, Waterbody Crossings & Structures, and Variance to the required setback for horizontal directional boring under a watercourse for road and utility improvements along Blake Road between Highway 7 and Spruce Avenue in the City of Hopkins. The project as proposed meets the applicable requirements under the District's Erosion Control, Wetland Protection, Streambank Stabilization, Floodplain Alteration and Waterbody Crossings & Structures rules with the exception of the 50-foot setback from the Creek bank for the southern bore pit, which the applicant has requested a variance for. Staff recommends approval of the MCWD permit application with the conditions of authorization from MCWD and MnDOT to conduct work outside the City of ROW, submission of an executed maintenance agreement for Waterbody Crossings & Structures, along with identification of the contractor responsible for maintaining the erosion control plan.

Attachments:

- 1. Permit Application
- 2. Site Location Map
- 3. W16-53 NOD
- 4. MnDOT WCA NOD
- 5. Erosion Control Plan
- 6. NPDES Permit
- 7. Existing Culvert 5213 at Streambank Detail
- 8. Proposed Culvert 5213 at Streambank Detail
- 9. MnDOT Standard Plate 3133D
- 10. Waterbody Crossings & Structures Site Plan
- 11. MCWD Permit 17-109 Site Plan
- 12. Variance Application
- 13. Agreement for Jurisdictional Transfer

Attachment 1

| Print Fo   |
|--|
| 17-576   |
| WATER RESOURCE PERMIT APPLICATION FORM<br>Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within<br>their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:<br>15320 Minnetonka Blvd. Minnetonka, MN 55345.<br>Keep a copy for your records.<br>YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.  |
| 1. Name of each property owner:       City of Hopkins (Nate Stanley)         Mailing Address:       1010 1st Street South         Email Address:       nstanley@hopkinsmn.com         Phone:       952-548-6356         Fax:   |
| 2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc)         Business Name:       WSB & Associates, Inc         Business Address:       701 Xenia Ave S, Ste 300         City:       Minneapolis         State:       MN         Zip:       55416         Fmail Address:       rfranta@wsbeng.com   |
| 3. Project Address:       Blake Road (Between TH 7 and Spruce Ave)       City: Hopkins         State:       MN       Zip:       55343       Qtr Section(s): NE 1/4       Section(s): 19       Township(s): 117       Range(s): 21         Lot:       Block:       Subdivision:       PID:  |
| 4. Size of project parcel (square feet or acres):       1.8 miles         Area of disturbance (square feet):       12.10 acres         Volume of excavation/fill (cubic yards):       121.09 SF         Area of existing impervious surface:       9.49 acres         Area of proposed impervious surface:       8.92 acre         Length of shoreline affected (feet):       10 ft         Waterbody (& bay if applicable):       Minnehaha Creek   |
| 5. Type of permit being applied for (Check all that apply):         Image: EROSION CONTROL       Image: WATERBODY CROSSINGS/STRUCTURES         Image: FLOODPLAIN ALTERATION       Image: STORMWATER MANAGEMENT         Image: WETLAND PROTECTION       Image: Appropriations         Image: DREDGING       Image: Illicit Discharge         Image: SHORELINE/STREAMBANK STABILIZATION       Image: Store and Sto |
| 6. Project purpose (Check all that apply): <ul> <li>SINGLE FAMILY HOME</li> <li>MULTI FAMILY RESIDENTIAL (apartments)</li> <li>COMMERCIAL or INSTITUTIONAL</li> <li>UTILITIES</li> <li>DREDGING</li> <li>LANDSCAPING (pools, berms, etc.)</li> <li>SHORELINE/STREAMBANK STABILIZATION</li> </ul> <ul> <li>OTHER (DESCRIBE):</li> </ul>   |
| 7. NPDES/SDS General Stormwater Permit Number (if applicable): Not yet obtained  |
| 8. Waterbody receiving runoff from site: Minnehaha Creek   |
| 9. Project Timeline: Start Date: May 1, 2018       Completion Date: November 2019         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.<br>Signature of Each Property Owner  |
| Revised 7/15/13 Page 1 of 1 NOV 1 4 2017   |

Attachment 2



Blake Road Improvements City of Hopkins







City of Hopkins

1 inch = 100 feet





# Hopkins

Figure 2B - Property Ownership Blake Road Improvements City of Hopkins







## Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit (LGU) Minnehaha Creek Watershed District

Address 15320 Minnetonka Blvd Minnetonka, MN 55345

| 1. I   | ROJECT INFORMAT   | TION   |  |                                 |
|--|---|--|--|---------------------------------|
| Applicant Name<br>City of Hopkins  | Project Name<br>Blake Road Improvemen   | its  | Date of<br>Application<br>9/6/2016                       | Application<br>Number<br>W16-53 |
| Attach site locator map  |   |  |  | Ū                               |
| Type of Decision:  |   |  |  |                                 |
| Wetland Boundary or Type   | No-Loss   | Exemption  | n 🗆 S  | Sequencing                      |
| Replacement  | Plan  | Banking Pla  | an   |                                 |
|  |   |  |  |                                 |
| Technical Evaluation Panel Findings a  | nd Recommendation (if any   | y):  |  |                                 |
| Summary (or attach):   | e with conditions   |  |  |                                 |
| Summary (or attach).   |   |  |  |                                 |
|  |   |  |  |                                 |
| 2. LOCAL   | GOVERNMENT UNIT   | T DECISIO  | N  |                                 |
| Date of Decision: 10/04/2016   |   |  |  |                                 |
| Approved Ap  | proved with conditions (in  | clude below)   |  | _ Denied                        |
| LGU Findings and Conclusions (attach   | additional sheets as necess   | sary):   |  |                                 |
| The City of Hopkins has applied for<br>located at Blake Road, from south<br>of Hopkins, Hennepin County, Mir<br>Range 21W. The boundary/type ap  | or wetland boundary & ty<br>of Blake School entrance<br>nnesota. Legal descriptio<br>oproval was requested Se | ype confirmation of the section of t | tion for the w<br>unk Hwy 7 in<br>9, Township 1<br>2016. | vetlands<br>the City<br>117N,   |
| A wetland delineation was conducted by Roxy Franta of WSB & Associates on August 12 <sup>th</sup> , 2016. A complete delineation report and WCA application were submitted to MCWD on September 6 <sup>th</sup> , 2016. Two wetlands were delineated on site. Wetland A was identified as a Type 2, Fresh (Wet) Meadow. Wetland A is positioned adjacent to Minnehaha Creek, which is a DNR Public Watercourse, as wetland fringe. Wetland B was identified as a Type 1, Seasonally Flooded Basin. |   |  |  |                                 |
| MCWD reviewed the boundaries in the wetland boundaries and types identified  | ne field on October 3 <sup>rd</sup> , 201<br>ed on site.  | 6. MCWD wa   | as in agreemen   | t with the                      |
| MCWD approves the wetland bounda<br>delineation report. This decision is va<br>require a permit from the MCWD.   | ries and types as delineated<br>lid for five years. A future  | d in the field a project locate  | nd documente<br>d on this prope                          | d in the<br>erty may            |

For Replacement Plans using credits from the State Wetland Bank:

| Bank Account # | Bank Service Area | County | Credits Approved for           |
|----------------|-------------------|--------|--------------------------------|
|                |                   |        | Withdrawal (sq. ft. or nearest |
|                |                   |        | .01 acre)                      |

1. Anna and and

**Replacement Plan Approval Conditions.** In addition to any conditions specified by the LGU, the approval of a <u>Wetland Replacement Plan</u> is conditional upon the following:

**Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).

**Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.

Credit Withdrawal: For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

## Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.

| Name        | Title                 |  |  |
|-------------|-----------------------|--|--|
| Heidi Quinn | Permitting Technician |  |  |
| Signature   | Date<br>10/4/2016     | Phone Number and E-mail<br>(952) 641-4504<br>hquinn@minnehahacreek.org |  |

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

## **3. APPEAL OF THIS DECISION**

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

| Check one:   |  |
|--|--|
| Appeal of an LGU staff decision. Send petition and \$0 fee (if applicable) to: | Appeal of LGU governing body decision.<br>Send petition and \$500 filing fee to: |
| Minnehaha Creek Watershed District   | Executive Director   |
| 15320 Minnetonka Blvd  | Minnesota Board of Water and Soil Resources                                      |
| Minnetonka, MN 55345   | 520 Lafayette Road North   |
| × *  | St. Paul, MN 55155   |

## 4. LIST OF ADDRESSEES

Ø.,

| SWCD TEP member: Stacey Lijewski – stacey.lijewski@hennepin.us.       |                   |
|---|-------------------|
| BWSR TEP member: Ben Meyer – ben.meyer@state.mn.us                    |                   |
| LGU TEP member (if different than LGU Contact):                       |                   |
| DNR TEP member: Kate Drewry – kate.drewry@state.mn.us, Jason          | n Spiegel –       |
| jason.spiegel@state.mn.us   |                   |
| DNR Regional Office (if different than DNR TEP member): Becky Ho      | orton —           |
| becky.horton@state.mn.us  |                   |
| 🛛 WD or WMO (if applicable): Mike Hayman – mhayman@minnehal           | acreek.org        |
| Applicant (notice only) and Landowner (if different): Roxy Franta – r | franta@wsbeng.com |
| Members of the public who requested notice (notice only): Nate Stanle | ey-               |
| nstanley@hopkinsmn.com  |                   |
| Corps of Engineers Project Manager (notice only): Melissa Jenny –     |                   |
| melissa.m.jenny@usace.army.mil  |                   |
| BWSR Wetland Bank Coordinator (wetland bank plan applications onl     | y)                |

## 5. MAILING INFORMATION

>For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA areas.pdf

>For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR TEP contacts.pdf

> Department of Natural Resources Regional Offices:

| NW Region:               | NE Region:              | Central Region:      | Southern Region:        |
|--------------------------|-------------------------|----------------------|-------------------------|
| Reg. Env. Assess. Ecol.  | Reg. Env. Assess. Ecol. | Reg. Env. Assess.    | Reg. Env. Assess. Ecol. |
| Div. Ecol. Resources     | Div. Ecol. Resources    | Ecol.                | Div. Ecol. Resources    |
| 2115 Birchmont Beach Rd. | 1201 E. Hwy. 2          | Div. Ecol. Resources | 261 Hwy. 15 South       |
| NE                       | Grand Rapids, MN        | 1200 Warner Road     | New Ulm, MN 56073       |
| Bemidji, MN 56601        | 55744                   | St. Paul, MN 55106   |                         |

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr regions.pdf

➢ For a list of Corps of Project Managers: <u>www.mvp.usace.army.mil/regulatory/default.asp?pageid=687</u> or send to:

> US Army Corps of Engineers St. Paul District, ATTN: OP-R 180 Fifth St. East, Suite 700 St. Paul, MN 55101-1678

>For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources Wetland Bank Coordinator 520 Lafayette Road North St. Paul, MN 55155

## 6. ATTACHMENTS

In addition to the site locator map, list any other attachments: Approved wetland boundaries

Page 3

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Figure 6a: Wetland Delineation CSAH 20 (Blake Rd) Improvements Hopkins, MN







Figure 6b: Wetland A CSAH 20 (Blake Rd) Improvements Hopkins, MN





## Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit (LGU) Minnesota Department of Transportation Office of Environmental Stewardship

Address 395 John Ireland Blvd Mailstop 620 St. Paul, MN 55155-1899

|  | <b>1. PROJECT INFORMAT</b>            | ION                    |                 |
|--|---------------------------------------|------------------------|-----------------|
| Applicant Name                               | Project Name                          | Date of                | Application No. |
| City of Hopkins                              | <b>Blake Road Improvements</b>        | Application:           | 17-M05          |
| (Nate Stanley)                               |                                       | 11/28/17               |                 |
| Attach site locator map.                     | · · · · · · · · · · · · · · · · · · · |                        |                 |
| Type of Decision:                            |                                       |                        |                 |
| Wetland Boundary or Type<br>Replacement Plan | 🗌 No-Loss 🛛 🖾 E                       | Exemption              | Sequencing      |
| Technical Evaluation Panel Find              | ings and Recommendation (if any       | ·):                    |                 |
| Approve                                      | Approve with conditions               |                        | Deny            |
| A full TEP was not convened for              | or this application due to the scope  | e and scale of the pro | posed project.  |

## 2. LOCAL GOVERNMENT UNIT DECISION

| Date of Decision: 12/19 | 0/17                                     |        |
|-------------------------|--|--------|
| Approved                | Approved with conditions (include below) | Denied |

LGU Findings and Conclusions (attach additional sheets as necessary):

On 11/28/17, WSB & Associates submitted an exemption application on behalf of the City of Hopkins (Nate Stanley) for proposed wetland impacts in MnDOT's Highway 7 Right of Way (ROW) along Blake Road in the City of Hopkins, Hennepin County, Minnesota. The proposed wetland impacts are part of a larger city project to improve the roadway and utilities along Blake Road between Spruce Road and Highway 7.

The applicant proposed 57.79 sq. ft. of permanent fill and 71.41 sq. ft. of temporary fill to Wetland B, a Type 1 seasonally-flooded basin, as defined in the wetland delineation approved by Minnehaha Creek Watershed District on 10/4/16. The impacts are proposed in order to facilitate culvert replacement and riprap stabilization at the wetland. Fill is also proposed within Minnehaha Creek, which is outside the regulatory scope of WCA.

Based on the limited area of proposed wetland impact, the criteria of 8420.0420 Subp.8.A.(3)(b), and the submitted application, MnDOT has determined that the proposed project is eligible for a WCA De Minimis Exemption.

**Replacement Plan Approval Conditions.** In addition to any conditions specified by the LGU, the approval of a <u>Wetland Replacement Plan</u> is conditional upon the following:

**Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9.

**Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that the credits will be withdrawn from the wetland bank as specified in the approved replacement plan.

## Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above.

| Name                     | Title                       |  |  |
|--------------------------|-----------------------------|--|--|
| Sarma Straumanis         | Wetland Program Coordinator |  |  |
| Sama<br>Sama<br>Shaumann | Date<br>12/19/17            | Phone Number and E-mail<br>651-366-3626<br><u>sarma.straumanis@state.mn.us</u> |  |

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

## **3. APPEAL OF THIS DECISION**

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, within thirty (30) calendar days of the date of the mailing of this Notice to the:

Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155

## 4. LIST OF ADDRESSEES

SWCD TEP member: Stacey Lijewski (Hennepin County Environmental Services) – stacey.lijweski@hennepin.us
 BWSR TEP member: Ben Carlson – <u>ben.carlson@state.mn.us</u>
 Local LGU: Heidi Quinn (Minnehaha Creek Watershed District) – hquinn@minnehahacreek.org
 DNR TEP member: Becky Horton – <u>becky.horton@state.mn.us</u>
 DNR Regional Office (if different than DNR TEP member):
 Applicant (notice only) and Landowner (if different): Nate Stanley (City of Hopkins) – nstanley@hopkinsmn.com
 Members of the public who requested notice (notice only): Roxy Franta (WSB) – rfranta@wsbeng.com
 Corps of Engineers Project Manager (notice only): Ryan Malterud – ryan.m.malterud@usace.army.mil
 MnDOT District Contact (notice only): Beth Neuendorf – <u>beth.neuendorf@state.mn.us</u>, Katie Heinz – <u>katherine.heinz@state.mn.us</u>

## 5. ATTACHMENTS

In addition to the site locator map, list any other attachments: **Joint application** 

## STODMWATED DOLLUTION DEVENTION DLAN (SWDD) NADDATIVE

APPLICABLE FEDERAL, TRIBAL, STATE OR LOCAL PROGRAMS: THE MORE STRINGENT OF LOCAL VS. STATE VS. FEDERAL RULES SHALL

STATE DUTY OFFICER

THE PROJECT INCLUDES STREET RECONSTRUCTION AND IMPROVEMENTS TO BLAKE ROAD WITHIN HOPKINS, MINNESOTA. THE PROJECT

APRIL 2018

APRIL - JUNE 2018

PHONE NUMBER/E-MAIL

ESTIMATED DATES OF SOIL DISTURBANCE ACTIVITIES:

651-757-2446/AMY.DELBECOSSTATE.MN.US

651-259-5753/KATE.DREWRY@STATE.MN.US

952-641-4504/HOUINNØMINNEHAHACREEK.ORG

218-829-8402/LEO.A.GRABOWSKI8USACE.ARMY.MIL

1-800-422-0798

APPLY WHERE THEY CONFLICT. THE OPERATOR IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE PERMITS. MNDOT SPECIAL

NAME

AMY DELBECC

KATE DREWRY

HEIDI QUINN

TENTATIVE CONSTRUCTION SCHEDULE (OPERATOR SHOULD PROVIDE ESTIMATED CONSTRUCTION SCHEDULE TO THE ENGINEER)

\*ESTIMATED SCHEDULE. CONTRACTOR TO SUBMIT ACCURATE SCHEDULE AS PART OF A SWPPP AMENDMENT\*

PRE-CONSTRUCTION IMPERVIOUS SURFACE AND DISTURBED AREA CALCULATIONS

TOTAL AREA TO BE DISTURBED = 12.10 ACR8. IMPERVIOUS AREA: THE-CONSTRUCTION = 5.45 ACR8. POST-CONSTRUCTION = 8.92 ACR8. NET INCREASE OF IMPERVIOUS AREA = -0.57 ACR83

LEO GRABOWSKI

PROVISION, MNDOT SPEC BOOK (2016 EDITION), AND MNDOT SPECIFICATIONS 1717.

763-231-4861/JNEWHALL@WSBENG.COM

PROJECT DESCRIPTION & SCHEDULE

CONSTRUCTION ACTIVITIES:

FINAL STABILIZATION

PERMIT

SECTION 404

FLOODPLAIN

NPDES-CSW #C000XXXXX

EROSION CONTROL &

STORMWATER MANAGEMENT

N/A

INCLUDES SIDEWALK AND INTERSECTION IMPROVEMENTS.

TEMPORARY SEDIMENT CONTROL BMPS & REMOVALS

GRADING/TEMPORARY EROSION CONTROL BMPS

NCY CONTACT: AGENCY

MPCA (EMERGENCY)

MPCA

DNR

₹.

I2:52:35 K-01787-

MCWD/LGU

|  | ESCRIPTION  |  |  | PERMANENT STORMWATER MANAGEMENT SYSTEMS  |   |  |  |  |
|--|---|--|--|--|---|--|--|--|
| PROJECT/SITE NAME:   | BLAKE ROAD (CSAH 20) IMPROVEMENTS   |  |  | NPDES PERMANENT WATER QUALITY VOLUME CONTROL   | (PART III.D) IS NOT REQUIES   | RED FOR THIS PRO   | JECT AS THE NET  | INCREASE OF  |
| PROJECT NUMBERS:   | S.A.P. 027-620-015, S.A.P. 132-020-   | 018, S.A.P. 132-3  | 50-350, S.A.P. 132-355-001,  | IMPERVIOUS SERVICES IS LESS THAN 1 ACRE.   |   |  |  |  |
| PROJECT LOCATION:  | STREET: BLAKE ROAD CITY: HOP  | KINS COUN  | TY: HENNEPIN   | LOCATION OF SWPPP COMPONENTS   |   |  |  |  |
|  | STATE: MINNESOTA ZIP: 5534  | 13 LATI  | TUDE/LONGITUDE: 44.9303/-93.3856   | DESCRIPTION  | TITLE   |  | 22   | LOCATION   |
|  |   |  |  | SWPPP NARRATIVE  | SWPPP NARRATIVE   |  |  | PLAN SET   |
| ONTACT INFORMATIC  | N/RESPONSIBLE PARTIES   |  |  | SITE CONDITIONS  | SWPPP NARRATIVE   |  |  | PLAN SET   |
| HE CITY OF HOPKINS   | OWNS THE LAND, ADJACENT ROADS, AND EAS  | SEMENT AREAS ASSOC   | IATED WITH THE PROJECT. THE CITY OF  | SITE MAP   | SWPPP NARRATIVE   |  |  | PLAN SET   |
| OPKINS IS THE OWNER  | PERMITTEE APPLYING FOR PERMIT COVERAG   | 3E AND WILL BE RES   | FONSIBLE FOR DEVELOPING THIS SWPPP AND   | CONSTRUCTION PHASING/STAGING, BUFFERS, &   | SWPPP NARRATIVE   |  |  | PLAN SET   |
| IE LONG-TERM MAINTE  | NANCE PLAN OF THE PERMANENT STORMWATER  | R MANAGEMENT SYSTE   | M FOR THIS FROJECT (IF APPLICABLE). THE  | AREAS NOT TO BE DISTURBED  |   |  |  |  |
| ANER WILL ENSURE TH  | AT THE DESCRIBED WORK IN THE SWPPP IS   | BEING COMPLETED B  | Y THE OPERATOR PERMITTEE.  | DIRECTION OF FLOW (PRE-/POST-CONSTRUCTION)   | DRAINAGE PLAN   |  |  | PLAN SET   |
|  |   |  |  | IMPERVIOUS SURFACES  | CONSTRUCTION PLAN & PROP  | FILE   |  | PLAN SET   |
| NER/PERMITTEE:   | CITY OF HOPKINS (NATE STANLEY, CITY   | ENGINEER)  |  | TEMPORARY EROSION & SEDIMENT CONTROL   | TEMPORARY EROSION AND SE  | EDIMENT CONTROL  | PLAN, SWPPP  | PLAN SET   |
|  | 1010 1ST ST SOUTH   |  |  | BMPS/STEEP SLOPES (3:1), DNR FISH EXCLUSION  | NARRATIVE   |  |  |  |
|  | HOPKINS, MN 55343   |  |  | PERMANENT EROSION CONTROL BMPS   | TURF ESTABLISHMENT PLAN.  | SWPPP NARRATIV   | E  | PLAN SET   |
|  | 952-548-6356/NSTANLEY@HOPKINSMN.COM   |  |  | STORM SEWER  | DRAINAGE PLAN   |  |  | PLAN SET   |
|  | AD MYTT BURDE TURA & SAURDAAR MYRU BURDE  |  | TA CALIFYERE SUE REALITERS MARY BAR SUTA   | GRADING  | GRADING FLAN  |  |  | PLAN SET   |
| E FRIMARY CONTRACT   | OR WILL ENTER INTO A CONTRACT WITH THE  | E CITY OF HOPKINS  | TO COMPLETE THE REQUIRED WORK FOR THIS   | ESTIMATED BMP QUANTITIES   | ESTIMATED QUANTITIES  |  |  | PLAN SET   |
| OJECT. THE PRIMARS   | CONTRACTOR WILL BECOME (UNDER CONTRAC   | ST) THE OPERATOR C   | O-PERMITTEE ON THE NPDES PERMIT (THROUGH   | BMP DETAILS/SPECIFICATIONS   | MISC, DETAILS, SWPPP NAM  | RRATIVE  |  | PLAN SET   |
| CECUTION OF A NPDES  | PERMIT MODIFICATION FORM), AND THEREE   | SI AGREE TO IMPLEM   | ENT THIS SWIPP IN COOPERATION WITH THE   | HYDROLOGIC/WATER QUALITY MODELING  |   | N/A  |  |  |
| INER. THE OPERATOR   | TON   | OF REOPUNDIDIDITI  | TRICK TO STARTING CONSTRUCTION (REFER T  |  |   |  |  |  |
| PEP ANGRUMENT DEGI   | BY COMPRESSED DETAD BO TOWATNO PUP DE   | A TROP   | TIED TO THE MECA ACTER THE PRODUCT TO  | EXISTING SITE CONDITIONS, SOILS, & WATER   | RESOURCES   |  |  |  |
| ARUSD TO THE PRIM  | RI CONTRACTOR, PRIOR TO DETTING THE PA  | ROODGY .   |  | SOILS AND NATIVE TOPSOIL: NATIVE TOPSOIL WILL  | BE STRIPPED AND STOCKPILE   | D FOR FINAL GRAD   | ING OPERATIONS.  | WHEDE  |
|  |   |  |  |  |   |  |  |  |
| IE OPERATOR WILL IN  | SUPP THAT INDIVIDUALS OVERSPEING OR IN  | UDLEMENTING THE SW   | IDDD HAVE BEEN PROPERLY TRAINED AND THAT   | INDICATED IN THE CONSTRUCTION PLANS AND SPECI  | FICATIONS. METHODS AND EQUI   | IPMENT 70 MINIMI   | ZE SOIL COMPACT  | ION (IN  |
| E OPERATOR WILL IN<br>PULLICATIONS WILL  | SURE THAT INDIVIDUALS OVERSEEING OR IN<br>BE MADE AVAILABLE UDON RECUPET. THIS I  | MPLEMENTING THE SW   | PPPP HAVE BEEN PROPERLY TRAINED AND THAT   | INDICATED IN THE CONSTRUCTION PLANS AND SPECI<br>PROPOSED INFILTRATION AREAS, DRIP LINE OF TRE   | ES TO BE PRESERVED. ETC.) S   | IPMENT 70 MINIMI<br>SHALL BE DETERMI   | NED BY THE OPER  | ION (IN<br>ATOR'S SWPPP  |
| E OPERATOR WILL IN<br>ERTIFICATIONS WILL<br>IDER SEPARATE CONT   | SURE THAT INDIVIDUALS OVERSEEING OR IN<br>BE MADE AVAILABLE UPON REQUEST. THIS I<br>ACT. THE EBOSION CONTROL SUPERVISOR SE  | MPLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>HALL HAVE AUTHORIT   | MPPP HAVE BEEN PROPERLY TRAINED AND THAT<br>CONTRACTORS THAT THE OPERATOR EMPLOYS<br>V OVER ALL OPERATOR OPERATIONS WHICH  | INDICATED IN THE CONSTRUCTION PLANS AND SPECI<br>PROPOSED INFILTRATION AREAS, DRIP LINE OF TRE<br>AMENDMENT. TRACKED VEHICLES ARE PREFERRED AND  | ES TO BE PRESERVED, ETC.) S<br>WHEELED VEHICLES ARE DISCO   | IPMENT TO MINIMI<br>SHALL BE DETERMI<br>OURAGED IN THESE   | NED BY THE OPER<br>AREAS.  | ION (IN<br>ATOR'S SWPPP  |
| E OPERATOR WILL IN<br>ERTIFICATIONS WILL<br>IDER SEPARATE CONTR<br>IFLUENCE NPDES PERM   | SURE THAT INDIVIDUALS OVERSEEING OR IN<br>BE MADE AVAILABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SH<br>IT COMPLIANCE INCLUDING OPERATIONS THA  | MPLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E   | PPPP HAVE BEEN PROPERLY TRAINED AND THAT<br>CONTRACTORS THAT THE OPERATOR EMPLOYS<br>'T OVER ALL OPERATOR OPERATIONS WHICH<br>ROSION FOTENTIAL ON THE PROJECT.   | INDICATED IN THE CONSTRUCTION PLANS AND SPECI<br>PROPOSED INFILTRATION AREAS, DRIP LINE OF TRE<br>AMENDMENT. TRACKED VEHICLES ARE PREFERRED AND  | FICATIONS. METHODS AND EQUI<br>ES TO BE PRESERVED, ETC.) S<br>WHEELED VEHICLES ARE DISCO  | IPMENT TO MINIMI<br>SHALL BE DETERMI<br>OURAGED IN THESE   | ZE SOIL COMPACT<br>NED BY THE OPER<br>AREAS.   | ION (IN<br>ATOR'S SWPPE  |
| HE OPERATOR WILL IN<br>ERTIFICATIONS WILL<br>NDER SEPARATE CONTE<br>VFLUENCE NPDES PERM  | SURE THAT INDIVIDUALS OVERSEEING OR IN<br>BE MADE AVAILABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SI<br>IT COMPLIANCE INCLUDING OPERATIONS THE  | MPLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E   | FPF HAVE BEEN PROPERLY TRAINED AND THAT<br>SONTRACTORS HART THE OPERATOR EMPLOYS<br>BY OVER ALL CPERATOR OPERATIONS WHICH<br>BROSION FOTENTIAL ON THE PROJECT.   | INDICATED IN THE CONSTRUCTION PLANS AND SPECT<br>PROPOSED INFILTRATION AREAS, DRIP LINE OF THE<br>AMENDMENT. TRACKED VEHICLES ARE PREPERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,  | TEXTURE, SLOPE PERCENTAGE   | IPMENT TO MINIMI<br>SHALL BE DETERMI<br>DURAGED IN THESE<br>APPROXIMATE  | ZE SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br>PARTICLE SIZE  | RANGE (MM)   |
| E OPERATOR WILL IN<br>RTIFICATIONS WILL<br>IDER SEPARATE CONTR<br>IFLUENCE NPDES PERS<br>E OPERATOR WILL IN  | SURE THAT INDIVIDUALS OVERSEEING OR IM<br>BE MADE AVAILABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SH<br>IT COMPLIANCE INCLUDING OPERATIONS THA<br>PLEMENT AND MAINTAIN BMFS FOR THE DURA  | MPLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT   | FPF HAVE BEEN PROPERLY TRAINED AND THAT<br>SONTRACTORS THAT THE OPERATOR EMPLOYS<br>Y OVER ALL OPERATORS WHICH<br>ROSION FOTENTIAL ON THE PROJECT.<br>YION PROJECT. THE OPERATOR WILL COMPLETE   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INTITATION AREAS, DERF LINE OF THE<br>AMERIMMENT. TRACKED VEHICLES ARE FREMEMRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,   | FIGATIONS. METHODS AND EQUI<br>ES TO BE PRESERVED, ETC.) 3<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE   | IPMENT TO MINIMI<br>SHALL BE DETERMI<br>DURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-   | ZE SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br>PARTICLE SIZE<br>SILT (0.002-  | RANGE (MM)<br>CLAY   |
| E OPERATOR WILL IN<br>RTIFICATIONS WILL<br>IDER SEPARATE CONTR<br>IFLUENCE NPDES PERS<br>E OPERATOR WILL IN<br>E REQUIRED SITE IN  | SURE THAT INDIVIDUALS OVERSBEING OR IN<br>BE MADE AVAILABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SI<br>IT COMPLIANCE INCLUDING OPERATIONS THA<br>PLEMENT AND MAINTAIN BHTS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR MPDE  | APLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM   | PPP HAVE BEEN FROPERLY TRAINED AND THAT<br>NORTHATCRES THAT THE OPERATOR BHENOYS<br>IY OVER ALL CREARIOR OPERATIONS WHICH<br>ROSION FOTENTIAL ON THE PROJECT.<br>VION PROJECT. THE OPERATOR WILL COMPLETE<br>BENTS PART 11.B, 11.C, 111.B-F, TV, V, AN   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INFILTENTION AREAS, DETP LINE OF THE<br>AMENIMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,  | FIGATIONS. METHODS AND EQU<br>IS TO BE PERSERVED, ETC.) 3<br>WHEELED VEHICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE   | IPMENT TO MINIMI<br>SHALL BE DETERMI<br>OURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-<br>2.00+)   | ZE SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br>PARTICLE SIZE<br>SILT (0.002-<br>0.05)   | RANGE (MM)<br>CLAY<br>(<0.002)   |
| E OPERATOR WILL IN<br>RTIFICATIONS WILL<br>DER SEPARATE CONT<br>FLUENCE NPDES PERS<br>E OPERATOR WILL IN<br>E REQUIRED SITE IN<br>PLICABLE CONSTRUCT   | SURE THAT INDIVIDUALS OVERABLESHO OR IN<br>DE MADE AVALIABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DIEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECITONS, AND IS RESPONSIBLE FOR NEDE<br>IN ACTIVITY REQUIREMENTS FOUND IN AFF  | RELEMENTING THE SW<br>INCLUDES ANY SUB-C<br>ALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>PENDIX A, PART C T  | PPP HAVE BERN FROPERLY TRAINED AND THAT<br>DOMFRATCHES HIAT THE OPERATOR BEPLOYS<br>Y OVER ALL CPERATOR OPERATIONS WHICH<br>ROSION FOTENTIAL ON THE PROJECT.<br>HION PROJECT. THE OPERATOR WILL COMPLETE<br>EMTS PART II.B., II.C., III.B-F, IV. V. AN<br>O REMAIN IN COMPLIANCE WITH NPERS PERMIT   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INTITATION AREAS, DERF LINE OF THE<br>AMERIMMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-2% SLO   | FIGATIONS. METHODS AND EQU<br>ES TO BE PRESERVED, ETC.) 3<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE<br>PES, OCCASIONALLY FLOODED   | IPMENT TO MINIMI<br>SHALL BE DETERMIN<br>OURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-<br>2.00+)<br>50-70%  | PARTICLE SIZE<br>SILT (0.002-<br>0.05)<br>0-50%  | RANGE (MM)<br>CLAY<br>(<0.002)<br>15-20+   |
| E OPERATOR WILL IN<br>RTIFICATIONS WILL<br>DER SEPARATE CONT<br>FLUENCE NPDES PERS<br>5 OPERATOR WILL IN<br>8 REQUIRED SITE IN<br>PLICABLE CONSTRUCT   | SURE THAT INDIVIDUALS OVERSEENN OR IN<br>DE MADE AVALIABLE UPON REQUEDT. THIS I<br>ACT. THE EROSION CONTROL SUPERATIONS THA<br>IT COMPLIANCE INCLUDING OPERATIONS THA<br>DELEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NPDB<br>ION ACTIVITY REQUIREMENTS FOUND IN AFF  | WELEMENTING THE SW<br>INCLUESS ANY SUB-C<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>PENDIX A, PART C T   | PPP HAVE BEEN PROPERLY TRAINED AND THAT<br>TOWTRATCRS THAT THE OPERATOR REPEATOR BEHAUGY<br>IY OVER ALL CREATOR OPERATORS WHICH<br>BROSION FOTENTIAL ON THE PROJECT.<br>WION PROJECT. THE OPERATOR WILL COMPLETE<br>BENTS PART ILB, ILC, III.B-F, IV, V, AN<br>O REMAIN IN COMPLIANCE WITH NPDES PERMIT  | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DETP LINE OF THE<br>AMEMIMMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NECS MAPPED SOIL SURVEY UNIT NO., NAME,<br>128A - SUCKERCREEK FINE SANDY LOAM, 0-2% SLO<br>L52C - URBAN LAND-LESTER COMPLEX, 2 TO 10 PER  | FIGHTIONS, METHODS AND EQUID<br>ESTO BE PRESERVED, ETC.) :<br>WHEELED VEHICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>PES, OCCASIONALLY FLOODED<br>CENT SLOPES  | IPMENT 'O MINIMI<br>SHALL BE DETERMI<br>DURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-<br>2.30+)<br>50-70%<br>23-53%   | ZE SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br>PARTICLE SIZE<br>SILT (0.002-<br>0.05)<br>0-50%<br>27-50%  | RANGE         (MM)           CLAY         CLAY           (C0.002)         15-20%           7-27%         7-27%   |
| E OPERATOR WILL IN<br>RTIFICATIONS WILL<br>DER SEPARATE CONT<br>FLUENCE NPDES PERS<br>E OPERATOR WILL IN<br>E REQUIRED SITE IN<br>FLICABLE CONSTRUCT<br>ERATOR/PERMITTEE:  | SURE THAT INDIVIDUALS OVERABLENG OR IN<br>DE MADE AVALIABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DIEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECITONS, AND IS RESPONSIBLE FOR NEDE<br>IN ACTIVITY REQUIREMENTS FOUND IN AFT<br>(TO BE DETERMINED THROUGH TRANSFER   | MPLEMENTING THE SW<br>INCLUDES ANY SUB-C<br>NALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>PENDIX A, PART C T<br>OF NPDES-CSW PERMI   | PPP HAVE BEEN FROPERLY TRAINED AND THAT<br>NOTRATCROSS HIAT THE OPERATOR REPLOYS<br>'Y OVER ALL CPERATOR OPERATIONS WHICH<br>ROSION FOOEDTIAL ON THE PROJECT.<br>NON PROJECT. THE OPERATOR WILL COMPLETE<br>ENTS PART ILS, II.C., III.B-F, L.V.Y. AN<br>YO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DERF LINE OF THE<br>AMENIMENT. TRACKED VEHICLES ARE FREMEMRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LENTR COMPLEX, 2 TO 10 FEE<br>L54A - URBAN LAND-LUNDA COMPLEX, 2 TO 10 FEE  | FIGHTIONS, METHODS AND EQU<br>ES TO BE PRESERVED, ETC.) 3<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>CENT SLOPES  | IPMENT '10 MINIMI<br>SHALL BE DETERMI<br>DURAGED IN THESE<br>SAND (0.05-<br>2.00+)<br>50-70%<br>23-53%<br>23-53%   | 22 SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br><b>PARTICLE SIZE</b><br><b>SILT (0.002-<br/>0.05)</b><br>0-50%<br>27-50%   | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(<0.002)<br>15-20%<br>7-27%   |
| IE OPERATOR WILL IN<br>ERTIFICATIONS WILL<br>IDER SEPARATE CONT<br>IFLUENCE NPDES PERS<br>IE OPERATOR WILL IN<br>IE REQUIRED SITE IN<br>PELICABLE CONSTRUCT<br>VERATOR/PERMITTEE:  | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>E MADE AVALIABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SI<br>IT COMPLIANCE INCLUDING OPERATIONS THA<br>DELEMENT AND MAINTAIN BMPS FOR THE DURA<br>SECTIONS, AND IS RESPONSIBLE FOR NEDS<br>ION ACTIVITY REQUIREMENTS FOUND IN APP<br>(TO BE DETERMINED THROUGH TRANSFE   | APLEMENTING THE SW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>FENDIX A, PART C T<br>OF NPDES-CSW PERMI  | PPP HAVE BEEN PROPERLY TRAINED AND THAT<br>TOWTRATCRS THAT THE OPERATOR EMPLOYS<br>IY OVER ALL CPERATOR OPERATORS WHICH<br>EROSION FOTENTIAL ON THE PROJECT.<br>UION PROJECT. THE OPERATOR WILL COMPLETE<br>EMPTS PART II.B, II.C, III.B-P, IV, V, AN<br>O REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)   | INDICATED IN THE CONSTRUCTION FLAMS AND SPECI<br>PROPOSED INVITATION AREAS, DETP LINE OF THE<br>AMEMIMMENT. TRACKED VEHICLES ARE PREPERARD AND<br>USDA-NHOUS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LEBTER COMPLEX, 0 TO 3 PERC<br>L54A - URBAN LAND-MULRED COMPLEX, 0 TO 3 PERC<br>L55A - URBAN IAND-MULRED COMPLEX, 0 TO 3 PERC   | FICATIONS, METHODS AND EQUI-<br>ENT OB BE PRESERVED, ETC., IS<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE<br>DEB, OCCASIONALLY FLOODED<br>CENT SLOPES<br>ENT SLOPES<br>ENT SLOPES  | IPMENT 10 MINIMI<br>SHALL 88 DETERMI<br>DURAGED IN THESE<br>SAND (0.05-<br>2.90+)<br>50-70%<br>23-53%<br>50-70%  | 22 SOIL COMPACT<br>NED BY THE OPER<br>AREAS.<br><b>PARTICLE SIZE</b><br><b>SILT (0.002-<br/>0.05)</b><br>0-50%<br>27-50%<br>27-50%<br>0-50%  | ION (IN<br>ATOR'S SWPPF<br>CLAY<br>(<0.002)<br>15-20%<br>7-27%<br>15-20%   |
| E OPERATOR WILL II<br>RETIFICATIONS WILL<br>DER SEPARATE CONT<br>FJUENCE NPDES PER<br>E OPERATOR WILL IN<br>E REQUIRED SITE II<br>PLICABLE CONSTRUCT<br>ERATOR/PERMITTEE:<br>HPPP DEVELOPER:   | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>BE MADE AVAILABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DIEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECITORS, AND IS RESPONSIBLE FOR NEED<br>ION ACTIVITY REQUIREMENTS FOUND IN AFT<br>(TO BE DETERMINED THROUGH TRANSFER<br>(TO BE DETERMINED THROUGH TRANSFER)  | APLEMENTING THE SW<br>INCLUDES ANY SUB-CO<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>PENDIX A, PART C T<br>OF NPDES-CSW PERMI<br>CERT AAAA   | PPPP HAVE BEEN PROPERLY TRAINED AND THAT<br>DOWTRATCROPS HIAT THE OPERATOR EMPLOYS<br>Y OVER ALL CREATOR OPERATOR WHICH<br>ROSION FOTENTIAL ON THE PROJECT.<br>HION PROJECT. THE OPERATOR WILL COMPLETE<br>EMPLOYED IN. I.L. S. I.C. J. II.BF. IV. V. AN<br>NO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>EnviroCrt International. Inc.  | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DERF LINE OF THE<br>AMENIMENT. TRACKED VEHICLES ARE FREMEMRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LUEDTER COMPLEX, 2 TO 10 PER<br>L54B - URBAN LAND-UNDATEDRIES, WET SUBSTRATUM,<br>U. URBAN LAND-UNDATEDRIES, WET SUBSTRATUM,  | FICHTONS: METHODS AND EQUI-<br>ENT OB BEPRESERVER, ETC., J<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>DENT SLOPES<br>ACENT SLOPES<br>ACENT SLOPES   | PMENT 70 MINIMI<br>SMALL 88 DEFERMI<br>DURAGED IN THESE<br>SAND (0.05-<br>2.90+)<br>50-70%<br>23-53%<br>23-53%<br>50-70%<br>8/A  | 22 SOLL COMPACT<br>22 SOLL COMPACT<br>24 STATUSE SIZE<br>SILT (0.002-<br>0.05)<br>0-50%<br>27-50%<br>27-50%<br>0-50%<br>N/A  | ION (IN<br>ATOR'S SWPPF<br>CLAY<br>(<0.002)<br>15-20%<br>7-27%<br>7-27%<br>15-20%<br>N/A   |
| HE OPERATOR WILL IN<br>ERTIFICATIONS WILL<br>NUER SEPARATE CONT<br>FULUENCE NFDES PERS<br>HE OPERATOR WILL IN<br>HE REQUIRED SITE IN<br>PERCABLE CONSTRUCT<br>"ERATOR/PERMITTEE:<br><u>TOPP DEVELOPER</u> :<br><u>B 6 A330CIATES</u> , IN  | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SI<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DELEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEES<br>ION ACTIVITY REQUIREMENTS FOUND IN APE<br>(TO BE DETERMINED THROUGH TRANSFER<br>C. (GREG BECKIUS)   | APLEMENTING THE SW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>ESS PERMIT REQUIREM<br>PENDIX A, PART C T<br>OF NPDES-CSW PERMI<br>CERT   | PFPF HAVE BEEN PROPERLY TRAINED AND THAT<br>SOMTRATCROSP HIAT THE OPERATOR EMPLOYS<br>Y OVER ALL CPERATOR OPERATORS WHICH<br>ROSSION POTENTIAL ON THE PROJECT.<br>ION PROJECT. THE OPERATOR WILL COMPLETE<br>EMPLS PART 11.8, II.C, III.B-F, IV, V, AN<br>YO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>Environit International, Mc.<br>40 Jone News, Mc 2070 - 400(409-400)   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DETP LINE OF THE<br>AMERIMMENT. TRACKED VENICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LEPTER COMPLEX, 2 TO 18 PHE<br>L54A - URBAN LAND-LEPTER COMPLEX, 0 TO 3 PHER<br>L54A - URBAN LAND-UDIPSAMENTS (CUT AND FILL I<br>UIA - URBAN LAND-UDIPSAMENTS (CUT AND FILL)   | FICATIONS: METHODS AND EQUI-<br>ENT OB BE PRESERVED, ETC., IS<br>WHERELED VENICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>CENT SLOPES<br>TENT SLOPES<br>COMPLEX, O-2% SLOPES<br>COMPLEX, O-2% SLOPES   | PMENT 70 MINIMU<br>SHALL 88 DEFERMI<br>OURAGED IN THESE<br>SAND (0.05-<br>2.00+)<br>50-70%<br>23-53%<br>50-70%<br>8/A<br>8/A   | 22 SOLL COMPACT<br>22 SOLL COMPACT<br>22 SOLL COMPACT<br>24 STATUSE STREE<br>27 SOL<br>27 SOL<br>27 SOL<br>27 SOL<br>0-50<br>0-50<br>N/A<br>N/A  | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(<0.002)<br>15-20%<br>7-27%<br>7-27%<br>15-20%<br>N/A   |
| ECCERATOR WILL IN<br>ERVIFICATION WILL<br>IDER SECARATE CONT<br>IFLUENCE NPDES CONT<br>IFLUENCE NPDES INTE IN<br>FRICABLE CONSTRUCT<br>ERACUTRED SITE IN<br>FRICABLE CONSTRUCT<br>ERACON/PERMITTEE:<br><u>IPPP DEVELOPER:</u><br>B & ASSOCIATES, IN<br>0 GATEMAX BLVD.   | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UFON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>TO CONFILME EINCUDING OPERATIONS THE<br>PLEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTICMS, AND IS RESPONSIBLE FOR NEDE<br>IN ACTIVITY REQUIREMENTS FOUND IN AFF<br>(TO BE DETERMINED THROUGH TRANSFER<br>(TO BE DETERMINED THROUGH TRANSFER<br>(C. (GREG BECKIUS)  | PEDEMINTING THE UW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ATION OF CONSTRUCT<br>SA FEMIT REQUIREM<br>FENDIX A, FART C T<br>OF NPDES-CSW FERMI<br>CERT   | PPPP HAVE BEEN PROPERLY TRAINED AND THAT<br>DOWNARCTORS HIAT THE OPERATOR EMPLOYS<br>PY OVER ALL CREATOR OPERATORN WHICH<br>ROSION FOTENTIAL ON THE PROJECT.<br>VION PROJECT. THE OPERATOR WILL COMPLETE<br>BENTS PART 11.8, II.C. HILB-F, UV, V, AN<br>TO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>EnviroCrt International, Inc.<br>410000 New York, SUNY - 4001005-000<br>WINNER NEW X, SUNY - 400105-000<br>WINNER NE   | INDICATED IN THE CONSTRUCTION FLAMS AND SPECI<br>PROPOSED INTITATION AREAS, DERF LINE OF THE<br>AMENIMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NECE MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE GANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LUED COMPLEX, 0 TO 3 PERC<br>L55B - URBAN LAND-UNDITEDRIS, WET SUBSTRATUM,<br>UHBAN LAND-UNDITEDRIS, WET SUBSTRATUM,<br>U4A - URBAN LAND-UNDITEDRIS (UT AND FILL LAN<br>UFBA - URBAN LAND-UNDITEDRIS (UT AND FILL LAN   | FICHTIONS. METHODS AND EQUI-<br>ENT OB BE PRESERVER, ETC., J<br>WHEELED VEHICLES ARE DISCO<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>CENT SLOPES<br>ACHT SLOPES<br>ACHT SLOPES<br>AND COMPLEX, 0-2% SLOPES<br>AND COMPLEX, 0-2% SLOPES<br>AND COMPLEX, 0-2% SLOPES   | PMENT 70 MINIMU<br>SNALL 88 DEFERMI<br>DURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-<br>2.00+)<br>50-70%<br>23-53%<br>23-53%<br>50-70%<br>8/A<br>8/A<br>8/A<br>8/A  | ZE SOLL COMPACT<br>NED BY THE OPER<br>AREAS.<br>E PAREAS.<br>E PAREAS.<br>E PAREAS.<br>E PAREAS.<br>0.002-<br>0.05)<br>0-50%<br>27-50%<br>0-50%<br>0-50%<br>N/A<br>N/A<br>N/A                          | ION (IN           ATOR'S SWPPI           CLAY           (C0.002)           15-20%           7-27%           15-20%           N/A           N/A           N/A   |
| HE OPERATOR WILL IN<br>NERE SERVITICATION WILL<br>NUERE SEPARATE CONT<br>NELUENCE NPDES PER<br>HE OPERATOR WILL IN<br>HE REQUIRED SITE IN<br>PPLICABLE CONSTRUCT<br>PERATOR/PERMITTEE:<br>SE & ASSOCIATES, IN<br>10 GATEMAY BLVD.<br>TRAVILLE, NN 5533   | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUEST. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SHI<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DIEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEDE<br>ION ACTIVITY REQUIREMENTS FOUND IN APE<br>(TO BE DETERMINED THROUGH TRANSFER<br>C. (GREG BECRIUS)<br>7  | PEDEMINTING THE DW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORIT<br>AT INCREASES THE E<br>ARTION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>PENDIX A, PART C T<br>OF NPDES-CSN PERMI<br>CFN DOF NPDES-CSN PERMI<br>EBECKIUS              | PFPF HAVE BEEN PROPERLY TRAINED AND THAT<br>FFPF HAVE BEEN PROPERLY REPLOYS<br>SUBTRATORS PREARAGE NEELCONS<br>PY OVER ALL CPERATOR OPERATIONS WHICH<br>ROSSION POTENTIAL ON THE PROJECT.<br>ION PROJECT. THE OPERATOR WILL COMPLETE<br>EENTS PART 11.8, II.C, III.B-F, IV, V, AN<br>NO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>EnviroCri International, Inc.<br>4) Seminer, NY, 2702 - 400 (405-60)<br>NY OF MALL STATES   | INDICATED IN THE CONSTRUCTION FLAMS AND SPECI<br>PROPOSED INVITATION AREAS, DERP LINE OF THE<br>AMERIMMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-2% SLO<br>L52C - URBAN LAND-LEBTER COMPLEX, 2 TO 18 PER<br>L54A - URBAN LAND-LEBTER COMPLEX, 0 TO 3 PERO<br>L55E - URBAN LAND-UDIPAMENTS (CUT AND FILL<br>U4BAN LAND-UDIPAMENTS (CUT AND FILL LAN<br>U4BA - URBAN LAND-UDIPAMENTS (CUT AND FILL LAN  | FICATIONS: METHODS AND EQUI-<br>ENT OB BE PRESERVED, ETC.) I<br>WHERELED VENICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>CEN: SLOPES<br>CENT SLOPES<br>CENT SLOPES<br>CONFLEX, 0-2% SLOPES<br>CONFLEX, 0-2% SLOPES<br>DD) CONFLEX, 0-2% SLOPES  | IPMENT 70 MINIMU           SNALD 88 DEFRENI           OURAGED IN THESE           APPROXIMATE           SONTO (0.05-           2.004)           S0-70%           23-53%           S0-70%           N/A           N/A           N/A              | 22 SOLL COMPACT<br>NED BY THE OPER<br>AREAS.<br>STLT (0.002-<br>0.05)<br>0-50%<br>27-50%<br>0-50%<br>0-50%<br>N/A<br>N/A<br>N/A  | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(<0.002)<br>15-20%<br>7-27%<br>7-27%<br>15-20%<br>N/A<br>N/A<br>N/A   |
| <pre>E OPERATOR WILL IN<br/>ERVIFICATION WILL<br/>IDER BEPARATE CONT<br/>FILUENCE NPDES DEVICE<br/>ER ROUTRED SITE IN<br/>"FICABLE CONSTRUCT<br/>"ERACURED SITE IN<br/>"PLICABLE CONSTRUCT<br/>"ERATOR/PERMITTEE:<br/>"PPD DEVELOPER:<br/>B &amp; ASSOCIATES, IN<br/>0 GATEMAY BLVD.<br/>RNSVILLE, MN 5533<br/>2-737-4665/GBECKI</pre>   | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>TI CONFILME EINCLUDIALS OPERATIONS THE<br>PLEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEDE<br>(TO BE DETERMINED THROUGH TRANSFER<br>(TO BE DETERMINED THROUGH TRANSFER<br>SBMSBENG.COM | PEDENENTING THE UM<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORITS<br>T INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT A, PART C T<br>OF NPDES-CSW PERMIT<br>EERT<br>BECKIUS<br>PESC   | PFPF HAVE BEEN PROPERLY TRAINED AND THAT<br>DOWNARDCROB THAT THE OPERATOR BHENDOUS<br>PY OVER ALL CPERATOR OPERATIONS WHICH<br>BROSION FORENTIAL ON THE PROJECT.<br>WION PROJECT. THE OPERATOR WILL COMPLETE<br>BERTS PART ILB, II.C., III.B-F, IV. V, AN<br>PO REMAIN IN COMPLIANCE WITH NEDES PERMIT<br>IT)<br>EnviroCirl International, Inc.<br>State State State (AUX) - RAU(Model)<br>Comparison State State (AUX) (Model)<br>Comparison STATE (AUX) (M | INDICATED IN THE CONSTRUCTION FLAMS AND SPECI<br>PROPOSED INTINATION AREAS, DERF LINE OF THE<br>AMENIMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NECE MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE GANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LUENTS COMPLEX, 0 TO 3 PERC<br>L55B - URBAN LAND-UDORTHENENS, WET SUBSTRATUM,<br>U4A - URBAN LAND-UDORTHENENS, WET SUBSTRATUM,<br>U4B - URBAN LAND-UDORTHENENS (CUT AND FILL LAN<br>DESCRIPTION OF RECEIVING WATERS (LOCATED WITH   | FICHTONS. METHODS AND EQUI-<br>ENT OB BE PRESERVER, ETC., I<br>WHEELED VEHICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>CENT SLOPES<br>AND COMFLEX, 0-2% SLOPES<br>AND COMFLEX, 0-2% SLOPES<br>IN 1-MILE; STORMATER FROM<br>IN 1-MILE; STORMATER FROM   | PMENT 70 MINIMU<br>SHAL 88 DEFERMI<br>DURAGED IN THESE<br>APPROXIMATE<br>SAND (0.05-<br>2.00+)<br>50-704<br>23-534<br>23-534<br>23-534<br>8/A<br>8/A<br>8/A<br>8/A<br>8/A<br>8/A<br>M THIS FROJECT W   | 22 SOL COMPACT<br>22 SOL COMPACT<br>AREAS.<br>2 PARTICLE SIZE<br>SILT (0.002-<br>0.05)<br>0-50%<br>27-50%<br>0-50%<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(CO.002)<br>15-20%<br>7-274<br>7-274<br>15-20%<br>N/A<br>N/A<br>N/A<br>THROUGH THE  |
| E OPERATOR WILL IN<br>ERVIFICATIONS WILL<br>IDER BEPARATE CONT<br>IFLUENCE NPDES PERP<br>IE OPERATOR WILL IN<br>ER REQUIRED SITE IN<br>PLICABLE CONSTRUCT<br>ERATOR/PERMITTEE:<br><u>PP DEVELOPER</u> :<br><u>B &amp; ASSOCIATES, IN<br/>0 GAREWAY BLVD.</u><br>0 GAREWAY BLVD.<br>2-737-4668/GEECKI   | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR ST<br>IT COMPLIANCE INCLUDING OPERATIONS THE<br>DIEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEDE<br>ION ACTIVITY REQUIREMENTS FOUND IN APP<br>(TO BE DETERMINED THROUGH TRANSFER<br>C. (GREG BECKIUS)<br>7<br>SSWBBENG.COM<br>TO DE DETERMINED THROUGH TRANSFER<br>C. (GREG BECKIUS)<br>7<br>SSWBBENG.COM  | APLEMENTING THE DW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORIT<br>TE INCREASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT RECUTEREN<br>OF NPDES-CSN PERMIT<br>CERT<br>BECKIUS<br>PESCIE   | FPFP HAVE BEEN PROPERLY TRAINED AND THAT<br>FPFP HAVE BEEN PROPERLY REPEATOR BEPEATOR BEPEATOR<br>REPEATOR OPERATOR OPERATIONS WHICH<br>REDSION POOTENTIAL ON THE PROJECT.<br>ION PROJECT. THE OPERATOR WILL COMPLETE<br>EENTS BART 11.B., II.C., III.B-F, IV, V, AN<br>NO REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>EnviroCri hiernational, Inc.<br>Sing Sent News, S, 272- 400 (00-500)<br>TO SENT NEWS, S, 272- 400 (00-500)<br>FOR SENT NEWS,             | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DETP LINE OF THE<br>AMERIMMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-2% SLO<br>L52C - URBAN LAND-LETTER COMPLEX, 2 TO 18 PEE<br>L54A - URBAN LAND-LUDIAGE COMPLEX, 0 TO 8 PEE<br>UIA - URBAN LAND-UDIAGE COMPLEX, 0 TO 8 PEE<br>UIA - URBAN LAND-UDIAGE COMPLEX, 0 TO 8 PEE<br>UIA - URBAN LAND-UDIAGE TO UTLE SUBSTRATUM,<br>U4A - URBAN LAND-UDIAGENETS (CUT AND FILL LA<br>U55B - URBAN LAND-UDIAGENETS (CUT AND FILL LA<br>D55C - URBAN LAND-UDIAGENETS (CUT A | FICATIONS: METHODS AND 5007<br>EX TO BE PRESERVED, ETC.) :<br>WHERELED VENICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>PES, OCCASIONALLY FLOODED<br>DENT SLOPES<br>ACENT SLOPES<br>ACENT SLOPES<br>ACENT SLOPES<br>ACENT SLOPES<br>COMPLEX, 0-2% SLOPES<br>DD COMPLEX, 0-2% SLOPES<br>IN I-MILE]: STORMER FROM<br>ENISTING CITY STORM SERVER SLOPES | IPMENT 70 MINIMI<br>BALL 88 DEFERMI<br>DURAGED IN THESE<br><b>APPROXIMATE</b><br><b>SAND</b> (0.55-<br>2.904)<br>50-70%<br>23-53%<br>50-70%<br>5/A<br>5/A<br>8/A<br>8/A<br>8/A<br>MINIS FROJECT W<br>SYSTEM. FROM THE                          | 22 SOL COMPACT<br>22 SOL COMPACT<br>AREAS.<br>PARTICLE SIZE<br>SILT (0.002-<br>0.05)<br>0-50%<br>27-50%<br>0-50%<br>N/A<br>N/A<br>N/A<br>N/A<br>ILL BE CONVEYED<br>UTILITY SYSTEM                      | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(CO.002)<br>15-20%<br>7-27%<br>7-27%<br>15-20%<br>N/A<br>N/A<br>N/A<br>THROUGH THE  |
| E OPERATOR WILL IS<br>REFIRICATIONS WILL<br>DER SEPARATE CONT<br>FLUENCE NPDES PERF<br>E OPERATOR WILL IS<br>E REQUIRED SITE IN<br>PEICABLE CONSTRUCT<br>ERATOR/PERMITTEE:<br>PPD DEVELOPER:<br>1 & A3SOCIATES, IS<br>2 & A3SOCIATES, IS<br>3 & A3SOCIATES, IS<br>3 & A3SOCIATES, IS<br>3 & A3SOCIATES, IS<br>4 & ASSOCIATES, IS<br>1 & A3SOCIATES, IS<br>1 & A3SOCIATES, IS<br>1 & A3SOCIATES, IS<br>2 & A3SOCIAT | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUETT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR SH<br>IT COMPLIANCE INCLUDING OPERATIONS THA<br>DELEMENT AND MAINTAIN BMPS FOR THE DUDA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEME<br>ION ACTIVITY REQUIREMENTS FOUND IN AFF<br>(TO BE DETERMINED THROUGH TRANSFER<br>(TO BE DETERMINED THROUGH TRANSFER<br>(C. (GREG BECKIUS)<br>7<br>88WSBENG.COM<br>EEE:   | PEDENENTING THE UW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORITS<br>INCREASES THE E<br>ATION OF CONSTRUCT<br>SE PERMIT REQUIREM<br>TRADE ART C T<br>OF NPDES-CSW PERMIT<br>S Becklus<br>PESC<br>Inducts for boots and<br>man Const | PPP HAVE BEEN PROPERLY TRAINED AND THAT<br>DOWNARD.TOPS HIAT THE OPERATOR BEPLOYS<br>BROSION FOOTENTIAL ON THE PROJECT.<br>ION PROJECT. THE OPERATOR WILL COMPLETE<br>ENTS PART II.B, II.C, III.B-F, IV. V, AN<br>IO REMAIN IN COMPLIANCE WITH NEDES PERMIT<br>IT)<br>ENVECT INTERNESS. KC.<br>ENVEROPERT  | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DETP LINE OF THE<br>AMEMIMENT. TRACKED VEHICLES ARE PREPERRED AND<br>USDA-WRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-24 SLO<br>L52C - URBAN LAND-LEBTER COMPLEX, 2 TO 10 FHE<br>L54A - URBAN LAND-LEBTER COMPLEX, 2 TO 10 FHE<br>L54A - URBAN LAND-UNDAS COMPLEX, 2 TO 10 FHE<br>ULA - URBAN LAND-UNDAS COMPLEX, 0 TO 3 FRE<br>ULA - URBAN LAND-UNDAS COMPLEX, 0 TO 3 FRE<br>ULA - URBAN LAND-UNDAST COMPLEX, 0 TO 3 FRE<br>ULA - URBAN LAND-UNDERSIGNET S (CUT AND FILL IN<br>UGE - URBAN LAND-UNDERSIGNET'S (CUT AND FILL IN<br>DESCRIPTION OF RECEIVING WATERS (LOCATED WITH<br>CONSTRUCTED CURG/GUTTER SYSTEM AND ENTER THE<br>WILL ULINATELY DISCHAGES TO MINNEHMIA CREEK   | FICHTONS. METHODS AND EQUI-<br>ENT OB BE PRESERVER, ETC., I<br>WHEELED VEHICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>CENT SLOPES<br>AND COMFLEX, 0-2% SLOPES<br>AND COMFLEX, 0-2% SLOPES<br>IN 1-MILE; STORMATER FROM<br>EXISTING CITY STORM SEMEN:<br>AND A UNNAMED MNDRN WEILANI                                   | IPMENT TO MINIMU<br>PARAL 88 DEFERMI<br>DURAGED IN THESE<br>SAND (0.05-<br>2.30+)<br>50-704<br>23-534<br>23-534<br>23-534<br>8/A<br>8/A<br>8/A<br>8/A<br>8/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1               | 22 SOLL COMPACT<br>READ BY THE OPER<br>AREAS.<br>PARTICLE SIZE<br>SILT (0.002-<br>0.05)<br>0.50%<br>27-50%<br>27-50%<br>27-50%<br>0.50%<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | ION (IN<br>ATOR'S SWPPI<br>CLAY<br>(C0.002;<br>(5-20%)<br>7-27%<br>(7-27%)<br>15-20%<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%<br>(15-20%)<br>7-27%)<br>(15-20%)<br>7-27%)<br>(15-20%)<br>7-27%)<br>(15-20%)<br>7-27%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-20%)<br>(15-                         |
| E OPERATOR WILL IN<br>RETPICATIONS WILL<br>DER SEPARATE CONT<br>FLUENCE NPDES PER<br>S OPERATOR WILL IS<br>E REQUIRED SITE IN<br>ERATOR/PERMITTEE:<br>PPD DEVELOPER:<br>1 & ASSOCIATES, IN<br>NGVILLE, NN 5533<br>N-337-4668/GBECKU<br>VER RESOURCE ENGIN<br>1 & ASSOCIATES, IN<br>1 & ASSOCIATES, I | SURE THAT INDIVIDUALS OVERSEENS OR IN<br>DE MADE AVALIABLE UPON REQUENT. THIS I<br>ACT. THE EROSION CONTROL SUPERVISOR STR<br>IT COMPLIANCE INCLUDING OPERATIONS TH<br>PLEMENT AND MAINTAIN BMPS FOR THE DURA<br>SPECTIONS, AND IS RESPONSIBLE FOR NEDE<br>ION ACTIVITY REQUIREMENTS FOUND IN APE<br>(TO BE DETERMINED THROUGH TRANSFER<br>(C. (GREG BECKIUS)<br>7<br>SSWBBENG.COM<br>EEE:<br>C. (GREG NEWHALL)   | PEDEMINTING THE UW<br>INCLUDES ANY SUB-C-<br>HALL HAVE AUTHORITS<br>TO TRADEASES THE E<br>ATION OF CONSTRUCT<br>ES PERMIT REQUIREM<br>OF NPDES-CSW PERMI<br>COF NPDES-CSW PERMI<br>CERT<br>Becklus<br>PESC<br>PESC<br>2019-0-19    | FPFP HAVE BEEN PROPERLY TRAINED AND THAT<br>FPFP HAVE BEEN PROPERLY TRAINED AND THAT<br>INCOMPACTORS HIAT THE OPERATOR BEENATOR HEPLOYS<br>(MON PROJECT, THE OPERATOR WILL COMPLETE<br>ENTER BART 11.B, II.C, III.B-F, IV, V, AN<br>to REMAIN IN COMPLIANCE WITH NPDES PERMIT<br>IT)<br>EnviroCri hiternational, Inc.<br>(Some Section 10, 2012) - 400(405-00)<br>ENVIROCET<br>ENVIRODED   | INDICATED IN THE CONSTRUCTION FLANS AND SPECI<br>PROPOSED INVITATION AREAS, DERF LINE OF THE<br>AMERIMMENT. TRACKED VEHICLES ARE PREFERRED AND<br>USDA-NRCS MAPPED SOIL SURVEY UNIT NO., NAME,<br>L28A - SUCKERCREEK FINE SANDY LOAM, 0-2% SLO<br>L52C - URBAN LAND-MEDIS COMPLEX, 0 TO 3 PERC<br>L54B - URBAN LAND-UDESDAGENTES (CU AND FILL<br>L55B - URBAN LAND-UDESDAGENTS (CU AND FILL<br>UGE - URBAN LAND-UDESDAGENTS (CU AND FILL<br>DESCRIPTION OF RECEIVING WATERS (LOCATED UNIT<br>CONSTRUCTED CURE/GUTTER SYSTEM AND ENNER/HILL ORENT<br>MILL ULTINATELY DISCIDAGE TO MINNER/HALL ACREEK<br>FOINTS AND STORM OF MENG OUTLETS ARE LORDNITHER   | FICATIONS: METHODS AND EQUI<br>EX TO BE PRESERVED, ETC.) :<br>MHERLED VENICLES ARE DISC<br>TEXTURE, SLOPE PERCENTAGE<br>DES, OCCASIONALLY FLOODED<br>DENT SLOPES<br>COMPLEX, 0-2% SLOPES<br>AND COMPLEX, 0-2% SLOPES<br>IN I-MLE): STORMATER FROM<br>IN I-MLE): STORMATER FROM<br>ND THE SHOPP RESOURCE MAP<br>AND THE SHOPP RESOURCE MAP             | IPMENT 70 MINIMI<br>BALL 88 DEFERMI<br>DURAGED IN THESE<br><b>APPROXIMATE</b><br><b>SAND</b> (0.05-<br>2.904)<br>50-70%<br>22-53%<br>22-53%<br>50-70%<br>8/A<br>8/A<br>8/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1/A<br>1 | 22 SOLL COMPACT<br>READ BY THE OPER<br>AREAS.<br>SILT (0.002-<br>0.05)<br>0-50%<br>27-50%<br>0-50%<br>27-50%<br>0-50%<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A            | ION (IN<br>ATOR'S SWPP)<br>CLAY<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07<br>(CO.07))<br>(CO.07<br>(CO.07))<br>(CO.07<br>(CO.07))<br>(CO.07<br>(CO.07))<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07)<br>(CO.07) |

DESCRIPTION OF IMPAIRED WATERS OR WATER SUBJECT TO IMPLS: A SPECIAL AND IMPAIRED WATERS SEARCH WAS COMPLETED USING THE MPCA SEARCH ENGINE ON 05/23/2017. BASED ON THIS REVIEW, THE FOLLOWING IMPAIRED WATER (WITH CONSTRUCTION RELATED IMPAIRMENTS) IS LOCATED WITHIN ONE MILE OF, AND DOWNSTREAM OF ANY PROJECT DISCHARGE FOINTS: MINNEHAHA CREEK IS IMPAIRED (CHLORIDE; FECAL COLIFORM; FISHES BIOASSESSMENTS; OXYGEN, DISSOLVED), THEREFORE AFPENDIX A, FART C.1 6 C.2 REQUIREMENTS APPLY TO THIS PROJECT.

### POTENTIAL FOR SEDIMENT AND/OR OTHER POLLUTANT (S) DISCHARGING FROM THE PROJECT SITE THE TEMPORARY EROSION AND SEDIMENT CONTROL BMPS IN THIS SWPPP HAVE BEEN DESIGNED TO MINIMIZE THE FOTENTIAL OF

SEDIMENTS DISCHARGING OFF-SITE FROM A 0.5 INCH RAINFALL WITHIN A 24 HOUR PERIOT. THE NOAA ATLAS 14 POINT PRECIPITATION PRECUENCY ESTIMATE FOR THE PROJECT LOCATION WAS REVIEWED AND USEL FOR ANTICIPATED INSPECTION FREQUENCY, BMP DESIGN, AND ESTIMATING CONSTRUCTION ACTIVITIES IN THIS SWPPP. AILAS 14 RESULTS DO NOT NECESSARILY REFLECT ANY DESIGN CRITERIA IN THE PERMANENT STORMWATER MANAGEMENT SYSTEM.

ROUTINE INSPECTION AND BMP MAINTENANCE BY THE OPERATOR IS CRUCIAL IN ENSURING THE FUNCTIONALITY OF EACH BMP. STEEP SLOPES AND OTHER ENVIRONMENTALLY SENSITIVE AREAS THAT ARE AT A HIGHER RISK OF SEDIMENTATION ARE DEFINED IN THE SWPPP (IF APPLICABLE)

#### CONSTRUCTION PHASING/STAGING, BUFFERS, & AREAS NOT TO BE DISTURBED

THE PRESERVED AREAS OF EXISTING VEGETATION WILL BE IDENTIFIED ON THE PLAN SHEETS AS "DO NOT DISTURB AREA". THE OPERATOR IS RESPONSIBLE FOR PRESERVING A 50 FOOT NATURAL BUFFER OR (IF INFEASIELE) PROVIDE REDUNDANT SEDIMENT CONTROL BMPS, WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET AND RECEIVES DRAINAGE FROM THE PROJECT'S GRADING LIMITS. THIS REQUIREMENT DOES NOT APPLY TO ADJACENT ROAD SIDE DITCHES, JUDICIAL/COUNTY DITCHES, STORNMATER CONVEYANCES, STORM DRAIN INLETS, OR SEDIMENT BASINS.

THE PROJECT WILL BE CONSTRUCTED IN A SINGLE LANE PHASE. WORK WILL BE SCHEDULED TO OCCUR ON AN EAST/WEST & WEST/EAST BASIS. THE SCHEDULE FOR INSTALLING TEMPORARY BMPS SHALL BE INCORPORATED INTO THE OPERATOR'S WEEKLY SCHEDULE FOR EACH CONSTRUCTION STAGE AND PRESENTED TO THE OWNER'S REPRESENTATIVE (PER MNDOT SPEC 1717.D).

#### ENVIRONMENTALLY SENSITIVE AREAS

STEEP SLOPES: THERE ARE MINOR STEEP SLOPES (3:1 AND STEEPER) ARE LOCATED ALONG THE PROJECT CORRIDOR. THE MAIN ALIGNMENT CONTAINS GENERALLY GENERAL GENERALLY GENERALLY GENERALLY GENERALLY GENERAL GENERALLY GENERAL GENERALLY GENERAL GENERAL GENERALLY GENERALLY GENERAL GEN ALIGNMENT CONTAINS GENERALLY GENTLE SLOPES; THE STEEP SLOPES ARE LOCATED ALONG THE BANKS OF MINNEHAMA CREEK NEAR THE EXISTING BRIDGE, ARGUND STA. 152+50. BMPS WILL BE INSTALLED TO ADDRESS THE STEEP SLOPES.



CONTAMINATED PROPERTIES: THE MPCA'S "WHAT'S IN MY NEIGHBORHOOD" DATABASE WAS REVIEWED ON 8/19/2016. BASED ON THE DATABASES REVIEWED, A LIMITED PHASE I ESA HAS IDENTIFIED 9 HIGH RISK SITES, 12 MEDIUM RISK SITES, AND 11 LOW RISK SITES RISK SITES AT THE PROJECT CORRIDOR. SITES THAT ARE A LOW POTENTIAL FOR SUBSURFACE CONTAMINATION DO NOT APPEAR TO WARRANT FURTHER INVESTIGATION AT THIS TIME, ADDITIONAL INFORMATION CAN BE FOUND IN THE PROJECT LIMITED PHASE I EA. A LIMITED PHASE II ESA WAS RECOMMENDED FOR THE HIGH AND MEDIUM RISK SITES TO DETERMINE OF CONTAMINATION IS PRESENT WITHIN THE PROPOSED ALIGNMENT. CONTRACTOR TO STOP WORK IMMEDIATELY IF CONTAMINATED MATERIAL IS FOUND FOR FURTHER INVESTIGATION; CONTAMINATED MATERIAL CONSISTS OF, BUT NOT LIMITED TO: ODOR, DISCOLORATION, SHEEN, DEBRIS.

DRINKING WATER SUPPLY MANAGEMENT AREAS: A REVIEW OF WELLS LISTED IN THE MDH MWI WAS CONDUCTED. THERE ARE 2 WELLS LISTED ADJACENT TO THE PROJECT SITE AND WILL BE CALLED OUT ON THE PLAN SHEETS. NO FUELING OR MAINTENANCE ACTIVITIES ARE TO OCCUR IN THE VICINITY OF THESE WELL LOCATIONS

STORMWATER FOLLUTION MITIGATION MEASURES (AS IDENTIFIED FROM ENVIRONMENTAL REVIEW): NO FORMAL ENVIRONMENTAL REVIEW WAS REQUIRED FOR THIS FROJECT; THEREFORE, NO ADDITIONAL STORMWATER RELATED MITIGATION MEASURES APPLY.

KARST AREAS: THERE ARE NO KNOWN KARST AREAS WITHIN OR ADJACENT TO THE PROJECT LIMITS

ENVIRONMENTALLY SENSITIVE AREAS: AREAS OF HIGH ENVIRONMENTAL RISKS ARE KNOWN TO BE LOCATED IMMEDIATELY ADJACENT TO THE PROJECT LIMITS, AS IDENTIFIED IN THE CONSTRUCTION PLAN SET. THESE AREAS SHALL HAVE FROPER EMPS IN PLACE AT ALL TIMES WHEN WORKING IN THE VICINITY. ADDITIONAL EMPS OR PLANS MAY BE REQUIRED BY THE PROJECT ENGINEER. CONTRACTOR TO SUBMIT SITE MANAGEMENT PLAN FOR BRIDGE WORK OVER MINNEHAHA CREEK ADDRESSING CONSTRUCTABILITY AND BMPS IN PLACE.

PLAN: PROJECT ACTIVITIES MAY OCCUR WITHIN THE 100-YEAR FLOODPLAIN, THEREFORE, THE PROJECT ENGINEER FLOOD CONTINGENCY PLAN: PROJECT ACTIVITIES MAY OCCUR WITHIN THE INFORMATION FLOOD CANTINGENCY PLAN FOR SPECIFIC FROJECT ACTIVITIES AND AREAS (AT THEIR DISCRETION) WILL REQUIRE A PREVENTATIVE FLOOD CONTINGENCY PLAN FOR SPECIFIC FROJECT ACTIVITIES AND AREAS IF SEASONAL PRECIPITATION POSSES A FOTENTIAL RISK OF FLOODING WORK AREAS WITHIN THE PROJECT LIMITS. THIS PLAN SHALL BE SUBMITTED BY THE OPERATOR TO THE PROJECT ENGINEER FOR APPROVAL A MINIMUM OF 72 HOURS PRIOR TO THE SCHEDULED WORK AND/OR DURING ACTIVE WORK WITHIN THE FLOODPLAIN. NO WORK WITHIN THE FLOODPLAIN CAN COMMENCE UNTIL WRITTEN APPROVAL/NOTICE TO PROCEED FROM THE PROJECT ENGINEER IS RECEIVED. THE AREA OF CONCERN IS NEAR MINNEHAHA CREEK AND WITH THE FLOOD ELEVATION AT 901.

FISH EXCLUSION DATES: IF BRIDGE WORK OCCURS, OPERATOR IS PROHIBITED FROM CONDUCTING IN-STREAM WORK DURING THE FISH SPAWNING AND MIGRATION DATES OF MARCH 15 TO JUNE 15 FOR NON-TROUT WATERS. IF WORK MUST BE CONDUCTING DURING THIS TIMEFRAME, CONTRACTOR SHALL OBTAIN APPROPRIATE MNDNR PERMIT AND CONTACT THE LOCAL DNR FISHERIES MANAGER FOR WRITTEN APPROVAL PRIOR TO CONDUCTING THE IN-STREAM WORK.

UATIC INVASIVE SPECIES: ALL IN-STREAM AND DEWATERING EQUIPMENT SHALL BE DECONTAMINATED OF ALL AQUATIC PLANTS AND PROHIBITED INVASIVE SPECIES PRIOR TO USING WITHIN SURFACE WATERS ON-SITE AND TRANSFORTING OFF-SITE, ALL DECONTAMINATION ACTIVISITES SHALL MEET THE CHAPTER 1 STANDARDS OF THE MINNESOTA DNR'S BEST PRACTICES MANUAL FOR MEETING DNR GENERAL FUBLIC WATERS WORK FERMIT GF 2004-0001.

WETLANDS: THERE ARE NO WETLAND IMPACTS PROPOSED WITH THIS PROJECT. THERE ARE TWO NON-NWI DELINEATED WETLANDS JACENT TO THE PROJECT THAT WILL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE.

### INSPECTION, SWPPP AMENDMENTS, RECORD KEEPING, & TRAINING

- CHAIN OF RESPONSIBILITY MUST BE AMENDED BY THE OPERATOR WHEN THE IDENTITY OF RESPONSIBLE SITE THE SWPPP
- OPERATORS (EROSION CONTROL SUPERVISOR, SUB-CONTRACTORS, ETC.) ARE KNOWN. 2. THE OPERATOR MUST INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. THE OPERATOR SHALL PROVIDE A RAINFALL GAUGE ON-SITE, WITHIN ONE MILE OF THE SITE, OR SOURCE OF THE WEATHER REPORTING SYSTEM THAT USES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES. THE LOCATION AND SOURCE OF THE RAINFALL GAUGE OR REPORTING SYSTEM MUST BE DOCUMENT IN THE FIRST SWPPP INSPECTION REPORT. THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE PER MONTH, IF SITE CONDITIONS MEET PART IV.E.3 OF THE NPDES PERMIT. ALL INSPECTIONS AND MAINTENANCE CONDUCTED MUST BE RECORDED IN WRITING BY THE OPERATOR AND RETAINED WITH THE SWPPP. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY SHALL INCLUDE:
  - A. DATE, TIME, AND NAME OF PERSON(S) CONDUCTING INSPECTIONS;
  - B. FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS;
  - C. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES): INCLUDING DOCUMENTATION/PHOTOS OF IMPLEMENTED BMPS INTENDED TO CORRECT A FROBLEM BUT FAILED.
  - D. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES) IN 24 HOURS;
  - E. DOCUMENTATION OF CHANGES MADE TO THE SWPPP.
- 3. SWPPP AMENDMENTS AND SITE PLANS WILL BE PREPARED BY THE OPERATOR AND SUBMITTED TO THE OWNER FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT OWNER (OR DESIGNATED REFRESENTATIVE). ALL OWNER ACCEPTED AND DENIES SWPFF AMENDMENTS AND SITE PLANS MUST BE RECORDED IN WRITING RETAINED WITH THE SWPPP.
- 4. THE SWPPP SHALL BE AMENDED TO INCLUDE ADDITIONAL OR MODIFIED BMPS, DESIGNED TO CORRECT IDENTIFIED PROBLEMS OR ADDRESS SITUATIONS (UNDER PART III.B OF THE NPDES PERMIT), PRIOR TO CONDUCTING SPECIFIC STAGES/PHASES OF THE PROJECT, AS REQUIRED BY THE OWNER AND DEFINED IN THIS PROJECT SWPPP.
- 5. THE SWPPP (ORIGINAL OR COPIES), ALL CHANGES TO THE SWPPP, PROJECT MANUAL, AND INSPECTIONS/MAINTENANCE RECORDS MUST BE KEPT AT THE SITE DURING CONSTRUCTION BY THE OPERATOR WHO HAS OPERATIONAL CONTROL OF THAT PORTION OF THE SITE. THE SWPPP CAN BE KEPT IN THE FIELD OFFICE OR ON-SITE VEHICLE DURING NORMAL WORKING HOURS.
- 6. THE OPERATOR MUST ASSIGN A TRAINED INDIVIDUAL(S) (PURSUANT TO PARTS III.A.3 & III.F) TO OVERSEE THE INFLEMENTATION, MAINTENANCE, AND REPAIR OF BMPS. THIS INDIVIDUAL(S) SHALL ALSO PERFORM INSPECTIONS, REVISE/AMEND THE SWPPP (DOCUMENT IN SWPPP AS NECESSARY), AND BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE PERMITTED OWNER (OR ITS DESIGNEE). LOCAL GOVERNMENT UNITS, OR MPCA.

POLLUTION PREVENTION MANAGEMENT MEASURES POTENTIAL SOURCES OF POLLUTANTS FROM CONSTRUCTION ACTIVITIES INCLUDE:

SEDIMENT AND FUGITIVE DUST GENERATED FROM CLEARING AND GRUBBING, IMPORT/EXPORT OPERATIONS, REMOVALS/COMPACTION, MASS/FINE GRADING, EXCAVATIONS, TRENCHING, TOPSOIL STRIPING STOCKPILING, WET/DRY PAVEMENT CUTTING, STREET CONSTRUCTION.

- BASIC/ACIDIC PH LEVELS FROM CURB AND GUTTER, MANHOLE STRUCTURES, SIDEWALKS, DRIVEWAY APRONS, FOUNDATIONS, BRIDGE ABUTMENTS, WET/DRY PAVEMENT CUTTING, MASONRY WASHOUT/CLEANOUT.
- EXCESS NUTRIENTS FROM LANDSCAPING INSTALLATIONS, SOIL ADDITIVES, FERTILIZATION, MULCHING.
- HYDROCARBONS FROM STREET CONSTRUCTION, DEMOLITION/REMOVALS, WET/DRY PAVEMENT CUTTING.

OPERATOR WILL COMPLY WITH ALL OF THE POLLUTION PREVENTION AND MANAGEMENT MEASURES IDENTIFIED IN THE NPDES-CSW PERMIT, PART IV.F.1-4. OPERATOR WILL SUBMIT A SPILL PREVENTION AND RESPONSE PLAN (SPRP) TO THE ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY. STORAGE AND DISPOSAL OF CONSTRUCTION AND HAZARDOUS WASTES MUST BE IN COMPLIANCE WITH MPCA REGULATIONO.

#### CONSTRUCTION ACTIVITY REQUIREMENTS (PART IV.): EROSION CONTROL, PROCEDURES, & MAINTENANCE STANDARDS

THE OPERATOR IS RESPONSIBLE FOR THE INSTALLATION, OPERATION, AND CONTINUED MAIN?ENANCE OF ALL TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT BMPS, AS WELL AS ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS, FOR THE DURATION OF THE CONSTRUCTION WORK AT THE SITE, UNTIL FINAL STABILIZATION IS ACHIEVED. ALL BMFS MUST BE ADEQUATELY LOCATED, DESIGNED, INSTALLED, AND MAINTAINED TO PREVENT EROSION FROM A MINIMUM 0.5 INCH TOTAL RAINFALL EVENT WITHIN 24 HOURS

ALL NONFUNCTIONAL BMDS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMDS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS UNLESS ANOTHER TIME FRAME IS SPECIFIED IN THE SWPPP. ALL ERODED MATERIAL THAT LEAVES THE SITE SHALL BE COLLECTED BY THE OPERATOR AND RETURNED TO THE SITE AT THE OPERATOR'S EXPENSE AND INCIDENTAL TO THE PROJECT COST.

TEMPORARY OR PERMANENT STABILIZATION SHALL BE <u>INITIATED IMMEDIATELY</u> TO LIMIT SOLL EROSION WHENEVER ANY CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY <u>FORTION</u> OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING <u>CALENDAR DAYS</u>. ALL EXCOSES SOLL AREAS SHALL BE STABILIZED WITHIN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT FOREION THE SITE HAS TEMPORALLY OF PERMANENTLY CESED. INTELATED STABLIZATION IS DEFINED AS COMPLETING ONE (OR MORE) OF THE FOLLOWING: SOIL PREPARATION FOR VEGETATION, MULCHING (OR OTHER TEMPORARY NON-VEGETATIVE BMP), SEEDING/PLANTING, OR SCHEDULING STABILIZATION MEASURES TO BE FULLY INSTALLED AND COMPLETED WITHIN THE 7 DAY TIMPPEAME

EXPOSED SOILS THAT ARE WITHIN 200 FEET OF MINNEHAHA CREEK DURING THE FISH SPAWNING PERIOD MUST BE STABILIZED WITHIN 24 HOURS, NEAR STA. 1125+00. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY, OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES) AND THE CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS AND SIMILAR SURFACES ARE EXEMPT FROM THIS REQUIREMENT.

TEMPORARY 4 PERMANENT EROSION CONTROL EMPS SEED MIX/SOD: MNDOT SEED MIX WITH APPROPRIATE MNDOT FERTILIZER AND/OR SOD WILL BE USED AS PERMANENT COVER FOR ALL EXPOSED GROUND AREAS PER MANUFACTURERS SPECIFICATIONS.

EROSION CONTROL BLANKET: EROSION CONTROL BLANKETS (ECBS) ARE A SOIL STABILIZATION (EROSION CONTROL) BMP, INTENDED TO FROTECT DISTURBED SOIL SURFACES FROM RAINDROF IMPACT EROSION. ECBS ARE CARPET-LIKE MATS, INSTALLED OVER AND ANCHORED TO THE PROPERLY PREPARED SOIL SURFACES, PROPERLY SELECTED AND INSTALLED, ECBS CAN MIMIC THE BENEFICIAL EFFECTS OF VEGETATIVE COVER THEREBY REDUCING EROSION RATES BY OVER 90%. ECBS ALSO PROTECT KEEDS AND PROVIDE A BENEFICIAL ENVIRONMENT FOR VEGETATION TO BECOME ESTABLISHED.

HYDRO-MULCH TYPE 3884.8.2: HYDROMULCHING IS A SOIL STABILIZATION (EROSION CONTROL) TECHNIQUE FOR APPLYING FIBER MULCH TO THE EXPOSED AND DISTURBED SOIL SURFACE. THE FIBER IS APPLIED HYDRAULICILLY, IN A SLURRY, PRODUCED BY MIXING FIBER, WATER AND A BINDING AGENT TOGETHER IN A MECHANICAL HYDROSEEDER. WOOD FIBER IS WIDELY USED BUT OTHER FIBERS CAN INCLUDE PAPER, STRAW, COIR, CORN, ETC. THE EFFECTIVENESS OF HYDROMULCHING IS DEPENDENT ON: - PROPER SOIL PREPARATION

- APPLICATION RATES (DEPENDENT ON THE MANUFACTURERS RECOMMENDATIONS)
- THE TYPE OF FIBERS USED
- THE TYPE OF BOND AGENT(S) ADDED

TEMPORARY WINTER COVER: AREAS OF EXPOSED SOILS THAT ARE NOT COMPLETED BEFORE THE WINTER WILL BE STABILIZED WITH TYPE #3 (CERTIFIED AS WEED FREE) ADJACENT TO WETLAND OR STORWWATER PONDS. ALL OTHER DISTURBED AREAS SHALL BE STABILIZED WITH TYPE #1 MULCH, UNLESS ALTERNATIVE MORE PROTECTIVE BMPS ARE SPECIFIC WITHIN THE SWPPP. ALL EXPOSED SOILS SHALL BE STABILIZED BEFORE CONSTRUCTION IS COMPLETED FOR THE SEASON.

STORM SEWER OUTLETS: PIPE OUTLETS MUST HAVE TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER HYDRAULIC CONNECTION TO A RECEIVING SURFACE WATER.

#### CONSTRUCTION ACTIVITY REQUIREMENTS (PART IV.): SEDIMENT CONTROL, PROCEFURES, & MAINTENANCE STANDARDS

PERIMETER CONTROL BMPS SHALL BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS AND UTGRADIENT OF ANY BUFFER AREAS, FRIOR TO INITIATING UTGRADIENT LAND DISTURBANCE ACTIVITIES. UPLAND PERIMETER CONTROLS BMPS SHALL BE FLACED AS CLOSE AS POSSIBLE TO FOLLOW A SINGLE CONTOUR ELEVATION. ALL SITE FENCES MUST BE REPAIRED, REPLACED, OR MAINTAINED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE FENCE. ALL REPAIRS MUST BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS. FLOATING SILT CURTAIN SHALL BE INSTALLED AS CLOSE TO THE SHORELINE AS POSSIBLE FOR SHORELAND/IN-WATER SHORT-TERM CONSTRUCTION ACTIVITIES. AFTER THE SHORT-TERM ACTIVITY IS COMPLETE, AN UPLAND PERIMETER CONTROL MUST BE INSTALLED IF EXPOSED SOILS CONTINUE TO DRAIN TO THE SURFACE WATER.

SURFACE WATERS INCLUDING OFF-SITE AND DOWNSTREAM DRAINAGE DITCHES, CATCH BASINS, AND CONVEYANCE SYSTEMS, MUST BE INSPECTED FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. THE REMOVAL AND STABILIZATION OF EXPOSED SOILS MUST TAKE place within seven (7) days of discovery unless precluded by legal, regulatory, or physical access constraints. If PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) CALENDAR DAYS OF OBTAINING ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE, AND FEDERAL AGENCIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK.

| ΨL       |                                     |  |   |  |   |       |
|----------|-------------------------------------|--|---|--|---|-------|
| ŝ₹Ľ      | 0. DATE BY CHK REVISIONS Design By: | I HEREBY CERTIFY THAT THIS PLAN. SPECIFICATION. OR REPORT WAS PREPARED BY OR UNDER   |   |  | CITY OF HODKING MININEGOTA S  | HEET  |
| ΞE       | Plan By:                            | MIAIN WY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER<br>THE LARS OF THE STATE OF MINAESOTA. |   | BLAKE ROAD (CSAH 20)                       | CITY OF HOPKINS, MINNESOTA  | 185   |
| 34       |                                     | MAN /  | 701 Xenia Avenue South, Suite 300<br>Minneanolis MN 55416 |  |   | OF    |
| <u> </u> | Checked By:                         | NEH CONTRICT OF CAR COMPANY  | (763)541-4800   wsbeng.com                                | improvements                               | STORM WATER POLITION PREVENTION PLAN  | 313   |
| S.       | Approved By                         | By:  |   | City of Hopkins City of Hopkins, Minnesota | S.P. 2706-242 (TH.7.) S.A.P. 027-620-015 S.A.P. 132-020-018 S.A.P. 132-355-001 of |       |
| ĭ۹Ľ      |                                     | NEH DATE: 12/28/2017 LIC. NOI 44620  |   | and a makimu                               |   | HEETS |

IF THE DOWN GRADIENT TREATMENT SYSTEM IS OVERLOADED, ADDITIONAL UP GRADIENT SEDIMENT CONTROL FRACTICES OR REDUNDANT BMFB MUST BE INSTALLED TO ELIMINATE THE OVERLOADING, AND THE SMPPP MUST BE AMENDED TO IDENTIFY THESE ADDITIONAL PRACTICES.

#### TEMPORARY & PERMANENT SEDIMENT CONTROL BMPS

SEDIMENT CONTROL LOGS: BIOROLLS WILL BE STARED PLACED IN ACCORDANCE TO THE FLAN SHEETS WHERE THE SITE SLOPES OFF OF THE PROJECT LOCATION AS WELL AS AROUND TEMPORARY STOCKFILES. BIOROLLS WILL BE FILLED WITH A COMPOST MATERIAL AND CLEANED OUT OR REFLACED WHEN THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE ROLL.

MACHINE SLICED SLIC FENCE: A SLIT FENCE IS A TEMPORARY SECHMENT BARRIER CONSISTING OF FILTER FARRIC ENTREMOMED INTO THE SOIL AND ATTACHED TO SUPPORTING POSTS. SLIT FENCE IS INTENDED TO BE INSTALLED WHERE SECHMENT-LADEN WATER CAN FOND, THUS ALLOWING THE SECHMENT TO FALL OUT OF SUPPLYING AND SEPARATE FROM THE RUNOFT. SLIT FENCE INSTALLED WITH A TRENCHER OR BY SLICING IS THE MOST EFFECTIVE INSTALLATION METHOD TO ENSURE AGAINST COMMON SILT FENCE FAILURES. THE BMP WILL DE CLEANED OUT OR REFLACED WHEN THE GEDIMENT FEACHES 1/2 THE HEIGHT OT THE FENCE.

FLOTATION SILT CURTAIN: FLOTATION SILT CURTAIN WILL BE IN PLACE WHERE PROJECT ACTIVITIES ARE LOCATED WITHIN OR NEAR A SURFACE WATER/WERLAND. THE CURTAIN WILL BE LOCATED AS TIGHT TO THE SHORELINE AS POSSIBLE AND NOT TO EXCEED 1/4 THE STREAM WIDTH. DOWN GRADIENT PERIMETER CONTROL MUST STILL BE INSTALLED AS WELL AS AN ADDITIONAL REDUNDANT BMP WHEN WORK IS WITHIN 50 FEET OF THE SURFACE WATER.

TEMPORARY STOCKFILES: ALL STOCKFILES MUST HAVE SILT FENCE OR EQUIVALENT PERIMETER SEDIMENT CONTROLS IMPLEMENTED AND MAINTAINED AT ALL TIMES. FILES CANNOT BE FLACED IN BUFFER AREAS OR SURFACE WATERS, INCLUDING STORWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES UNLESS THERE IS A BYFASS IN PLACE TO FREVENT STORWATER RUN-ON INTO THE STOCKFILE.

CONSTRUCTION SITE INTERNEE/VEHICLE TRACKING: OFERATOR MUST MINHIZE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE (OR ONNO OFFRETS MITHIN THE SITE) SY INFLEMENTING BARFS SUCH AS POCK PADS, SLABH MUICH, CONSTRUCTION SITE VASH EQUIVALENT SYSTEMS. STEET SWEETING MUST BE USED DALLY DURING CONSTRUCTION OFERATIONS IS SUCH BARFS ARE NOT ADEQUATE TO PREVENT SUCHMENT FROM REINS TRACKED AND THE STREET. THACKED SECHEMENT MUST BE REMOVED FROM ALL PAVED SUFACES (ON AND OFF-SITE) MITHIN 24 HOURS OF DISCOVERY, OR SCOMER AS DIRECTED BY THE PREVENT FROM MULTIFIES STREET SWEETINGS AT THE OFFRATOR'S EXFENSE MAY BE RECOLRED ON ALL DURING CONSTRUCTION THE SITE AT THE DISCRETION OF THE FROM FOR TOWN OF THE FROMET FORMET.

INLET PROTECTION: ALL STORM DEALN INLETS (INCLUDING DONN GRADIENT, OPF-SITE) MUST BE PROTECTED BY APPROPRIATE BMMS DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHAGING TO THE INLET HAVE BEEN ATABILIZED. ALL FENCE IS NOT AN ACCEPTABLE CATCH BAGIN INLET PROTECTION BM., CONTACTOR BHALL CLEAN, REMOVE AND DISTORS OF SEDIMENT, AND/OR BEPLACE STORM DEALN INLET FROTECTION ON A BOUTINE BASIS TO ENSURE THE DEVICE IS FULLY UNCTIONAL PRIOR TO THEN REST FORECASTED FRECIPITATION EVENT (304 OR GREATER), INLET FROTECTION MAY BE REMOVED FOR A PARTICULAR HILET IF A SPECIFIC SAFETY CONCERN (STREET FLOODING/FREEINS) HAS BEEN IDENTIFIED AND THE FRENTENTE(S) HAS RECIPTED FOR CORRESPONDENCE FROM THE JURISDICTIONAL AUTHORITY (2.G. CITY/COUNTY/TONNSHIL/NHOT ENGINEEN) VERIFING THE NEED FOR REMOVAL, WHITTEN CORRESPONDENCE WIST ED OCUMENTED IN A VALIABLE WITHINT 71 HOURS UFON REQUEST. PERMISSION TO REMOVE HILET FROTECTION BASED ON A SPECIFIC SAFETY CONCERN MUST STILL BE OBTAINED FROM THE LOCAL JURISDICTIONAL AUTHORITY WITHIN 30 DAYS OF REMOVAL.

CHEMICAL TREATMENTS: OFFRATOR MUST AMEND THE SWEPP TO INCLUDE THE INTENDED USES AND LOCATIONS OF FLOCULANTS, POLYMERS, AND OTHER SEDIMENTATION TREATMENT CHEMICALS. CHEMICAL TREATMENTS MAY ONLY BE APPLIED IN AREAS WHERE TREATED STORWATER IS DIRECTED TO A RECEIVING SEDIMENT CONTROL SYSTEM (NOT DIRECTLY DISCHAREDED TO NATURAL WATER BODIES). THIS INCLUDES DOCUMENTING THE EXPECTED SOLI TYPES, MANUFACTURER'S RECOMMENDED DOSING, APPLICATION RATES/OUNTITIES, AND NONITORING RESULTS (TURBIDITY, PH).

TEMPORARY/PERMANENT DERINACE DISCHES & SWALES: THE NORMAL METED PERIMETES (24-HEAR, 24-HOUR PRECIPITATION EVENT) OF ANY TEMPORARY OR PERMANENT DERINACE DISCH. CHANNEL, OR SKALE THAT DERINS WATER FORM ANT CONFINITON OF THE CONSTRUCTION SITE, OR LUVERTS WATER ARCUND THE SITE, MUST BE STABLIZED WITHIN THE LAST 200 LINEAL FEET FROM THE FROPENTY EDDER, OR FROM THE FOINT OF DISCHARGE INFO. ANY SUPERACE MATER MITHIN 124 HOURS OF CONNECTION. THE REMAINING FORTIONS OF THE CHANNEL MUST BE STABLIZED WITHIN 7 DAYS, ALL STORWATER CONVEXANCE CHANNEL AND SUPER SUST USE ESOSION CONFROL AND VELOCITY DISSIFATION DEVICES WITHIN AND ALONG THE LEMANTE AND THE CANNEL AND A MAY OFLETS. TEMPORARY OR FEBAMENT DITCHES OR RWALES HAR DER MEING TARE LAS & DEMMCDALEY ARTHINGY CONTAINAMEN AVAREMA (STAM PRODUCTLY DATAGENT DACK THEN, ATO CLLS, SILT DIRES BEC.) DO NON THER TO AND THE STABLIZED THEORE AND SUBST BE STABLIZED WITHIN 24 HOURS AFREM ON THE STABLIZED WITHIN 25 HOURS AFREM ON THE STABLIZED THEN NO LONGER BEING USED AS A BEDIMENT CONTAINENT SYSTEM. WILCH, MICHTENS, CANCILARDIE BELON WIE WESTED DENNEL USED AS A BEDIMENT CONTAINENT SYSTEM. WILCH, WICHTANCE AND ANOTHED STABLIZED WITHIN 24 HOURS AFREM ON DONE BEING USED AS A BEDIMENT CONTAINENT SYSTEM. WILCH, MICHTANCE AND AND THE STABLIZED WITHIN 25 HOURS AFREM ON THE SUBSTEM DENNEL WED AS A BEDIMENT CONTAINENT SYSTEM. WILCH, MICHTANCE AND THE OTACCOMPANY AND THE DELON THE WESTED

DUST CONTROL: DUST FROM THE SITE WILL BE CONTROLLED BY INCREASED STREET SWEEPING AND/OR USING A MOBILE PRESSURE-TYPE DISTRIBUTOR TRUCK TO APPLY POTABLE WATER TO DISTURBED AREAS. THE MOBILE UNIT WILL APPLY WATER AT A RATE NECESSARY TO PREVENT RUNOFF AND PONING.

#### DEWATERING, STREAM DIVERSION, AND BASIN DRAINING

WHEN DEMATERING IS RECUIRED, THE CONTRACTOR SHALL SUBMIT A DEMATERING PLAN AND NARRATITE TO THE PROJECT ENGINEER FOR AFFROVAL 10 DAYS PRIOR TO UNDERTALING THESE ACTIVITIES. DEMATERING PLAN MUST INCLUDE BNF'S TO FREVENT SEDIMENT TRANSFORT, REGOIDN, AND ADVERSE HEARCITS TO DUMSTREAM RECEIVING MATERS. THE DEMATERING FLAN MUST ALSO INCLUDE ANY SPECIFIC CHEMICAL TREAMMENTS (FLOC, FOLYMERS, ETC.) THAT WILL BE USED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY FERMITE NECESSARY FOR THE OFERATIONS, THE DEMATERING FLAN MUST ALSO INCLUDE ANY SMPY FERMITE NECESSARY FOR THE OFERATIONS, THE DEMATERING FLAN MUST BERMIT WILL BECOME PART OF THE SMPFP, WATER THAT IS TURBED ON THE FRACTES SITE DEMATERING FLAN ANY OR PRIMAMENT SEDIMENTATION BASIN (AND/GR OTHER AFFORTATE BMFS) ON THE FRACTES SITE MEMORY FOR THE SALE. DISCHARCED TO A TEMPORATIC OF REMAINERY SEDIMENTATION BASIN MUST BE VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT IS OBTAINED IN THE BASIN AND THAR MUSTANCE CONDITIONS (SEE MINN. N. 7050.0210, SUBH. 2), INFACTS TO WEILANDS, AND EMOSIN IN RECEIVING CHANNELS OR ON DOWNSLOPE PROFERIES WILL NOT RESULT FROM THE DISCHARCE MUST BE DISCHARCED NOT BE DISCHARGE MUST BE DISCHARGEN AND THAR MUSTANCE. THE DISCHARCE. THE DISCHARCE MUST BE DISCHARCE MUST BE DISCHARGEN AND THAR MUSANCE PLASTIC SHEETING, OR OTHER ACCEPTED EMERCY DISSITATION MEASURES. ADEQUATE TREATMENT IS OBTAINED ASIN PLASTIC SHEETING, OR OTHER ACCEPTED EMERCY DISSITATION MEASURES. ADEQUATE SEDIMENTATION CONTROL MEASURES AND ADDITIONS (SEE MINN. N. 7050.0210, SUBH. 2), INFACTS TO WEILANDS, AND CHARLES ON NOT REALWARES AND ADDITIONS (SEE MINN. N. 7050.0210, SUBH. 2), INFACTS TO MELLINDS, AND EMOSTIN IN RECEIVING CHANNELS OR ON DOWNSLOPE PLASTIC SHEETING, OR OTHER ACCEPTED EMERCY DISSITATION MEASURES. ADEQUATE SEDIMENTATION CONTROL MEASURES AND ADDITIONS LIL NOT HERS ARE RECUIRED FOR MURANE MALTER THAT CONTINUE SUSFENDED SOLIES, OLD, OR GREASE.

### FINAL STABILIZATION

FINAL STABILIZATION IS ACHIEVED WHEN NPDES CGP PARTS IV.G.1-5. ARE COMPLETED FRIOR TO SUBMISSION OF THE NOTICE OF TERMINATION TO MPCA. SEE PERMANENT EROSION CONTROL PRACTICES FOR SPECIFIC METHODS AND APPLICATIONS.



Figure 1. SWPPP Resource Map

| , ju   |     |        |     |           |                   |   |     |   |                 |                            |   |        |
|--------|-----|--------|-----|-----------|-------------------|---|-----|---|-----------------|----------------------------|---|--------|
| NAL 20 | NO. | DATE B | CHK | REVISIONS | Design By:<br>MAN | I HEREBY CERTIFY THAT THIS PLAN. SPECIFICATION. OR REPORT WAS PREPARED BY OR UNDER<br>WY DIRECT SUPERVISION AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER |     |   |                 |                            | CITY OF HOPKINS MINNESOTA   | SHEET  |
| 16.29  |     |        | +   |           | Plan By:<br>MAN   | THE LARS OF THE STATE OF MINNESOTA.   |     | 701 Xenla Avenue South, Sulte 300                   |                 | BLAKE ROAD (CSAH 20)       | erri er nerkins, minneserri   | 186    |
| 20     |     |        | + + |           | Checked By:       | las trate   | WSB | Minneapolis, MN 55416<br>(782)541 4900 Junihana ann |                 | Improvements               |   | OF     |
| ËE     |     |        |     |           | Approved By:      | CONTIFIED BY ETCENSED PROFESSIONAL ENGINEER CHICHLAS E. HENTGES. PE   |     | (703)04 I=4000   Wabelig.com                        | City of Hopkins | City of Hopkins, Minnesota | STORM WATER POLLUTION PREVENTION PLAN   | 313    |
| 25     |     |        |     |           | NEH               | DATE: 12/28/2017 LIC. NOT 44620   |     |   | city of nopkins |                            | S.P. 2706-242 (TH 7 ), S.A.P. 027-620 015, S.A.P. 132-020 018, S.A.P. 132-355-001 | SHEETS |























## COVERAGE CARD

## Construction Stormwater National Pollutant Discharge Elimination System/State Disposal System General Permit MNR100001

The Construction site identified below is covered under the National Pollutant Discharge Elimination System/State Disposal System General Permit MNR100001 and is authorized by the Minnesota Pollution Control Agency (MPCA) to discharge stormwater associated with construction activities.

## Permit ID Number: C00048141

**Owner: Hopkins city of** 

**General Contractor: Hopkins city of** 

**Project Name: Blake Road (CSAH 20) Improvements** 

## Permit Coverage Date: 11/08/2017

If you have questions regarding the stormwater program for construction activity, please access the MPCA Stormwater website at <a href="http://www.pca.state.mn.us/stormwater">http://www.pca.state.mn.us/stormwater</a>, or call the Construction Stormwater Program at 651-757-2119 or toll free at 800-657-3804.





#### TABLE OF QUANTITIES RIPRAP AT RCP OUTLETS CLASS II CLASS III CLASS IV $d_{50} = 12"$ $d_{50} = 6"$ $d_{50} = 9"$ GRANULAR GRANULAR GRANULAR DIA. OF GEO-FILTER 12" GEO-FILTER 18" GEO-FILTER 24" ROUND DEPTH TEXTILE DEPTH DEPTH L TEXTILE UNDER UNDER TEXTILE UNDER RIPRAP FILTER RIPRAP FILTER APRON RIPRAP PIPE FILTER APRON APRON (CU.YD.) (CU.YD.) (CU.YD.) (CU.YD.) (IN.) (FT.) (SQ.YD.) (CU.YD.) (SQ.YD.) (SQ.YD.) (CU.YD.) 16.9 0.2 3.0 19.6 0.3 4.4 22.6 0.3 5.9 12 15 8 18.0 0.2 3.2 20.8 0.3 4.8 23.9 0.4 6.4 18 10 22.4 0.3 4.3 25.6 0.4 6.4 29.0 0.5 8.5 21 10 24.1 0.4 4.7 27.4 0.6 7.1 30.9 0.7 9.4 24 12 29.7 0.5 6.2 33.4 0.8 9.2 37.3 1.0 12.3 9.9 12.3 15.8 27 12 31.4 0.6% 6,6 35.2 0.9 39.2 1.2 13.2 1.5 8.2 46.0 30 14 37.4 0.8 41.6 1.1 16.4 55.4 63.0 2.1 21.1 45.9 1.1 10.6 50.5 36 16 1.6 57.8 1.7 18.7 24.9 42 12.5 18 52.8 29.6 48 20 61.1 1.5 14.8 66.5 22.2 72.0 2.9 2.2

## TABLE OF QUANTITIES

|                                     |                      |                                       |  | RIPR                               | AP AT RC                              | P-A OUTI                                       | LETS                               |                                       |  |                                    |
|-------------------------------------|----------------------|---------------------------------------|--|------------------------------------|---------------------------------------|--|------------------------------------|---------------------------------------|--|------------------------------------|
| _                                   | CLASS II<br>d50 = 6" |                                       |  |                                    | C                                     | LASS III<br>d <sub>50</sub> = 9"               | Ŭ.                                 | CLASS IV<br>d <sub>50</sub> = 12"     |  |                                    |
| SPAN<br>OF<br>PIPE<br>ARCH<br>(IN.) | L<br>(FT.)           | GEO-<br>TEXTILE<br>FILTER<br>(SQ.YD.) | GRANUL<br>FILTER<br>UNDER<br>APRON<br>(CU.YD.) | 12"<br>DEPTH<br>RIPRAP<br>(CU.YD.) | GEO-<br>TEXTILE<br>FILTER<br>(SQ.YD.) | GRANUL<br>FILTER<br>UNDER<br>APRON<br>(CU.YD.) | 18"<br>DEPTH<br>RIPRAP<br>(CU.YD.) | GEO-<br>TEXTILE<br>FILTER<br>(SQ.YD.) | GRANUL<br>FILTER<br>UNDER<br>APRON<br>(CU.YD.) | 24"<br>DEPTH<br>RIPRAP<br>(CU.YD.) |
| 22                                  | 10                   | 22.4                                  | 0.3  | 4.1                                | 25.6                                  | 0.4  | 6.1                                | 29.0                                  | 0.5  | 8.1                                |
| 28                                  | 12                   | 29.5                                  | 0.5  | 5.7                                | 33.2                                  | 0.7  | 8.5                                | 37.1                                  | 0.9  | 11.3                               |
| 36                                  | 14                   | 31.3                                  | 0.8  | (.5                                | 41.5                                  | 1.1  | 11.2                               | 45.8                                  | 1.5  | 14.9                               |
| 43                                  | 10                   | 45.9                                  | 1.1  | 9,5                                | 50.5                                  | 1.0  | 16.9                               | 62.7                                  | 2.1  | 22.5                               |
| 51                                  | 20                   | 52.5                                  | 1.2  | 13.2                               | 65.2                                  | 1.4  | 19.9                               | 70.7                                  | 2.5  | 26.4                               |



RIPRAP

1.0' 1

00.21.67

2

GEOTEXTILE FILTER (2)

GRANULAR FILTER (5)



Attachment 9

### SECTION B-B

NOTES: REQUIREMENTS FOR GEOTEXTILE TYPE, RIPRAP SIZE AND THICKNESS WILL BE DESIGNATED IN THE PLANS.

PIPE SIZES LARGER THAN THOSE SHOWN REQUIRE A SPECIAL DESIGN.

- (1) FOR PIPES GREATER THAN OR EQUAL TO 30", USE 1.5'.
- ② GEOTEXTILE FILTER, SPEC. 3733, SHALL COVER THE BOTTOM AND SIDES OF THE AREA EXCAVATED FOR THE RIPRAP, GRANULAR FILTER MATERIALS.
  - 3) DIMENSION E IS GIVEN ON STANDARD PLATES 3100 AND 3110.
- GRANULAR FILTER, SPEC. 3601, MAY BE USED AS A CUSHION LAYER. PLACE FILTER PER SPEC. 2511. THE CUSHION LAYER IS INCIDENTAL.
- (5) GRANULAR FILTER OR RIPRAP, SPEC. 3601, TO EXTEND UNDER ENTIRE OPEN PORTION OF PIPE APRON. DEPTH OF MATERIAL UNDER APRON SHALL MATCH RIPRAP DEPTH. WHEN USING RIPRAP INCREASE RIPRAP QUANTITY ACCORDINGLY AND PLACE A 3" LAYER OF 1.5" CRUSHED ROCK UNDER THE APRON TO AID IN GRADING FOR APRON PLACEMENT. CRUSHED ROCK IS INCIDENTAL.

| SEC   | TION A-A  | R APRON PLACEMENT. CRUSHED ROCK IS INCI   | DENTAL.                           |
|---|---|---|-----------------------------------|
| APPROVED DECEMBER 9, 2013<br>Little ky<br>STATE DESIGN ENGINEER | STATE OF MINNESOTA<br>DEPARTMENT OF TRANSPORTA<br>RIPRAP AT RCP OUT | TION<br>SPECIFICATION<br>REFERENCE<br>3100<br>3110<br>TLETS<br>3601<br>3733<br>2511 | STANDARD<br>PLATE<br>NO.<br>3133D |

GRANULAR CUSHION











## Request for Variance And Statement of Hardship

The Board of Managers may hear requests for variances from the literal provisions of these rules in instances where their strict enforcement would cause undue hardship because of circumstances unique to the property under consideration. The Board of Managers may grant variances where it is demonstrated that such action will be keeping with the spirit and intent of these rules. An applicant granted a variance from full compliance with a requirement of the rules would be required to meet the requirement to the degree feasible short of full compliance.

In order to grant a variance, the Board of Managers shall determine that:

- the special conditions which apply to the structure or land in question do not apply generally to other land or structures in the District
- the granting of such variance will not merely serve as a convenience to the applicant,
- the variance will not impair or be contrary to the intent of these rules.

A hardship cannot be created by the landowner, the landowner's agent or representative, or a contractor, and must be unique to the property. Economic hardship are not grounds for issuing a variance.

A variance shall become void one year after it is granted if not used.

A violation of any condition set forth in a variance shall be a violation of the District rules and shall automatically terminate the variance.

Date November 1, 2017

Permit #

Applicant City of Hopkins (Nate Stanley)

Address 1010 1st Street South

Telephone number 952-548-6356

Property ID number Blake Road

MCWD Rule (circle applicable rule(s)): Waterbody Crossings & Structures

**Description of project:** 

The City of Hopkins is proposing to make roadway and utility improvements to Blake Road between Spruce Road and Trunk Highway 7 in the City of Hopkins. The improvements include the replacement of the sanitary sewer and watermain under Minnehaha Creek using horizontal directional drilling.

### **Requirements of rule(s)**

MCWD Waterbody Crossing & Structures Rule Section 3(g) - Shall provide for a minimum clearance of 3 feet below the bed of a waterbody, and a minimum setback of 100 feet from any stream bank for pilot, entrance, and exit holes, for projects involving horizontal direction drilling.

### Requested Variance

A 12-inch PVC sanitary pipe and a 12-inch HDPE water main pipe will be installed under Minnehaha Creek using horizontal directional drilling. Due to constraints from existing utilities located near the 100-foot setback location on the south side of the Creek, the City of Hopkins requests a variance from Section 3(g) of the MCWD Waterbody Crossings & Structures Rule to locate the southern entrance pit at 50 feet from Minnehaha Creek.

### Statement of Hardship (include any mitigating circumstances).

The space constraints requiring the variance are a result of special conditions that are unique to this location and do not apply to other land in the District. The inability to move the bore pit to the 100-foot minimum setback distance was not created by the City of Hopkins but is instead due to the existing location of a high-pressure gas main within the Blake Road right-of-way. Increasing the distance between the bore pit and the creek is not considered feasible. The City of Hopkins proposes to locate the southern bore pit at a distance of 50 feet from Minnehaha Creek to avoid an existing high-pressure gas main that is located at 100 feet from the Creek.

How do you propose to meet the requirements of the applicable MCWD rules?

The City of Hopkins will implement and maintain best management practices, including erosion and sediment controls throughout the construction process.

\_\_\_\_ Date: 11 2017 19 Applicant name: Nate Stanley Applicant signature

Staff Recommendation (For staff use only) Approve

Q:\PERMIT DRIVE\Templates\Forms\applications\Variance3equest.doc

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## HENNEPIN COUNTY

MINNESOTA

November 2, 2016

Steven Stadler Director of Public Works City of Hopkins 1010 First Street S Hopkins MN 55343

AGREEMENT NO. PW 04-01-16 C.P. 1426 COOPERATIVE AGREEMENT

Dear Steven Stadler,

Submitted for your file is a fully executed copy of the above referenced agreement.

If you have any questions, please call me at 612-596-0307.

Sincerely,

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Kristi W. Beyer Administrative Secretary

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Enclosure



Agreement No. PW 04-01-16 County State Aid Highway No. 20 County Project No. 1426 City of Hopkins County of Hennepin

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## AGREEMENT FOR JURISDICTIONAL TRANSFER

THIS AGREEMENT, made and entered into this 18 day of 10 cf bbw, 2016, by and between the **County of Hennepin**, a body politic and corporate under the laws of the State of Minnesota, hereinafter referred to as the "County", and the **City of Hopkins**, a body politic and corporate under the laws of the State of Minnesota, hereinafter referred to as the "City".

## WITNESSETH:

WHEREAS, the County and the City have been negotiating to bring about the transfer of County State Aid Highway No. (CSAH) 20 (Blake Road) between CSAH 3 (Excelsior Boulevard) and Trunk Highway (TH) 7 from the County to the City; and

WHEREAS, the construction of the Southwest Light Rail Transit (SWLRT) line through the City will result in a SWLRT at-grade crossing of CSAH 20 and a SWLRT station on the CSAH 20 corridor; and

WHEREAS, the Parties anticipate the introduction of a SWLRT station on the CSAH 20 corridor will provide a stimulus to development/redevelopment along the CSAH 20 corridor; and

**WHEREAS**, the City has engaged in a visioning process intended to conform the reconfiguration of CSAH 20 between CSAH 3 and TH 7 in a manner complementary to the anticipated development/redevelopment of the properties along CSAH 20; and

WHEREAS, CSAH 20 is in need of reconstruction between CSAH 3 and TH 7; and

WHEREAS, the City is willing to receive jurisdiction of CSAH 20 within the aforesaid limits with the understanding that the City would take the lead in the design, construction, construction oversight and necessary right-of-way acquisition to support the reconstruction of CSAH 20 between CSAH 3 and TH 7 in a manner agreed to by the Parties and hereinafter referred to as the Project; and

WHEREAS, the County has acknowledged that the City is properly positioned to design and reconstruct CSAH 20 in a manner reflective of a vision to complement area development/redevelopment in a time frame complimentary to the projected SWLRT schedule; and

WHEREAS, it is contemplated that said work be carried out by the parties hereto under the provisions of Minnesota Statutes, Section 162.17, Subdivision I and Section 471.59.

## NOW, THEREFORE, IT IS HEREBY AGREED:

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The City shall be responsible for the acquisition of all new rights-of-way, permanent easements, and temporary easements required for the construction of the Project.

It is hereby understood that the phrase "responsible for the acquisition of" as used in this Agreement shall be construed to mean the performance of all tasks and duties necessary and legally required to obtain the right to use the subject properties for the purposes set forth in this Agreement. Said rights may be obtained by, but are not limited to, direct purchase, dedication, donation, or eminent domain.

All new right-of-way, permanent easements, and temporary easements acquired by the City to construct the Project must meet the approval of the Administrative Manager for the County's Land Acquisition Group or designated representative prior to being incorporated into the plans for the Project.

Upon completion of the Project, all permanent right-of-way acquisition for CSAH 20 as provided herein shall remain in the ownership of the City.

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The City and the County recognize that in order to carry out the Project, the facilities of one or more private utilities in the Project area rights-of-way (ROW) may need to be relocated due to interference with the means and methods the City will select to carry out the Project work. The City acknowledges that the County is the primary ROW manager of CSAH 20 within the Project. The County acknowledges that the City has an interest in the management of the County ROW within the Project boundaries given the fact jurisdiction of CSAH 20 is to transfer to the City, and the City may be required to exercise certain rights in the ROW to carry out the Project work. Accordingly, the County hereby authorizes and delegates to the City any and all ROW management authority that the City deems necessary to carry out the Project work, including but not limited to, the right to require private utilities to relocate their facilities. Prior to the City's exercise of this right, the City shall provide the County twenty-four (24) hours written notice of the City's intended exercise of such a right, including, but not limited to, a description of the scope, duration, and object of the City action. The County and City agree that each will cooperate with the other to carry out the intended purposes of the Project and the County will act in ROW management matters to further those purposes as reasonably requested by the City.

If any portion of this provision is deemed unenforceable, all surviving provisions will remain in full force and effect. Nothing herein is intended to limit or exceed the authority of the City or the County under Minnesota Law to manage ROW in which they have an interest.

The City or its agents shall prepare the necessary plans, specifications and proposals; shall advertise

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for bids for the construction; receive and open bids pursuant to said advertisement and enter into a contract with the successful bidder at the unit prices specified in the bid of such bidder. The contract will include plans and specifications approved by the County and by the Minnesota Department of Transportation Division of State Aid for Local Transportation.

The City shall also apply for, and comply with, at its sole cost and expense, all permits and approvals from all other governmental or regulatory agencies as may be required to accomplish the Project. Said permits and approvals shall be obtained prior to start of any construction. Copies of said permits shall be given to the County Engineer or designated representative prior to the start of construction activities.

### IV

The City or its agents will administer the contract and inspect the construction of all the contract work contemplated herewith. However, the County Engineer or designee shall have the right, as the work progresses, to enter upon the job site to make any inspections deemed necessary and shall cooperate with the City's Project Engineer and staff at their request to the extent necessary, but will have no responsibility for the supervision of the work.

The County agrees that the City may make changes in the aforereferenced approved plans or in the character of said contract construction which are reasonably necessary to cause said construction to be in all things performed and completed in a satisfactory manner. It is further agreed by the County that the City may enter into any change orders or supplemental agreements with the City's contractor for the performance of any additional construction or construction occasioned by any necessary, advantageous or desirable changes in plans, within the original scope of the Project. The City shall obtain the approval of the County Engineer or designed representative on said change orders or supplemental agreements. The County will respond to the City's request for approvals within seven (7) calendar days.

## V

The City or its agents shall be responsible for the design of the CSAH 20 traffic control signals serving the CSAH 20 intersections with 2<sup>nd</sup> Street North East and Cambridge Street in accordance with County standards.

The County will supply traffic signal cabinet, controllers, video detection equipment, and control equipment, including the emergency vehicle preemption (EVP) cards, (County Supplied Equipment) for the permanent traffic control signal systems to be installed at the two CSAH 20 intersections. The City agrees to reimburse the County for fifty (50) percent of the costs of the County Supplied Equipment to be installed at these intersections. It is estimated that the cost for the County Supplied Equipment will be \$30,000.00 per intersection for a total estimated City cost share of \$60,000.00. It is further agreed that said estimate of the costs of County Supplied Equipment is an estimate and that the actual costs of equipment as determined by the County Engineer shall govern in computing the total final apportionment of cost participation by the City in the County Supplied Equipment.

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It is further understood that if the City desires, the City will provide signal service cabinets designed for battery backup. It is further understood and agreed that the City shall be responsible for providing the batteries, inverter and cabling for the service cabinets.

The City or its agents shall notify the County's Signal Shop Supervisor two (2) weeks in advance of need of the County Supplied Equipment. The County shall notify the City when the County Supplied Equipment is ready to be picked up for field installation. It shall be the responsibility of the City or its agents to pick up the County Supplied Equipment at the Hennepin County Department of Transportation Public Works Facility in Medina, Minnesota and shall install said equipment on the Project.

Upon pickup of the County Supplied Equipment by the City or its agents, the County will invoice the City for the County Supplied Equipment. Payment shall be made to the County by the City for the full amount due as stated in the invoice within forty-five (45) days of the invoice.

The City shall notify the County a minimum of one (1) week prior to the date of any traffic signal turn ons. The County's Traffic Operations Engineer or his designated representative must be present at the time any traffic signal systems are turned on.

The County hereby reserves the right to perform final inspection of the traffic control signal system at the time of energizing and also the right to require any modifications prior to approving the system for operation. No traffic control signal system may be placed in operation without approval of the installed system by the County.

## VI

The County will participate in right-of-way acquisition and construction costs in accordance with the Hennepin County Public Works Business Line Transportation Department Policies for Cost Participation between Hennepin County and Other Agencies for Cooperative Highway Projects adopted February 7, 2012.

It is further understood and agreed by the City that the County will reimburse the City up to ten (10) percent of the County's construction cost participation for design engineering and up to eight (8) percent of the County's construction cost participation for construction engineering/oversight.

It is further understood and agreed by the City that the County's cost participation must be eligible for County State Aid funding and that the County's contribution to the Project's costs must be for right-of-way, construction and engineering that benefits CSAH 20. Accordingly, it is understood and agreed that the County reserves the right not to make payment to the City for its share of the costs for the project if any action or inaction of the City causes the Minnesota Department of Transportation's (MnDOT) State Aid Engineer to determine that the County's costs are not eligible for State Aid funding.

The County's cost participation for the Project shall not exceed \$14,456,000 without an amendment to

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this Agreement. For information purposes only the County's cost participation has been computed based on the following estimated Project cost components:

Right-of-Way: \$2,000,000 Construction: \$10,380,000 (refer to Article XVI) Engineering: \$2,076,000

The City may invoice the County up to \$1,038,000 for the County's aforesaid engineering cost participation upon the City's execution of a consultant engineering contract for design of the Project. Payment shall be made to the City by the County within forty-five (45) days of the invoice.

It is understood and agreed that if parcels are acquired in total, the City will use its best efforts to sell at the most favorable price those portions of said parcels which are not required for the Project. The proceeds from such sales shall be shared with the County at the same cost participation percentage used to acquire the parcels.

The acquisition costs incurred by the City as described herein shall include, but are not limited to the following:

- monies paid to property owners, or on behalf of property owners, as part of negotiated settlements
- costs incurred with obtaining property through, and compliance with, Minnesota Statute Chapter 117 (eminent domain), including all damages and awards resulting there from
- relocation expenses, including the costs of consultants used therefore
- acquisition consultant services
- appraisals and appraisal services
- title opinions and updates
- document searches (judgment, name title, etc.)
- closing, conveyance and recordation fees and taxes
- costs to maintain, provide security for, or remove and dispose of vacant property, and any improvements thereon.
- costs incurred for the relocation, reconstruction, adjustment, and/or removal of existing private or public utility conduits or other structures located in or upon lands acquired and within present right-ofway when existing valid easements and/or permits provide for reimbursement to the utility owner for the relocation, reconstruction, adjustment, and/or removal of the existing utility facilities (or when a court of competent jurisdiction determines that the City or County is obliged to pay such amounts)

Damages, as used in this section pertains to acquisition costs allowed by Minnesota Statutes Chapter 117 and does not abrogate the meaning of the language set forth elsewhere in this Agreement.

The City may invoice the County for its share of ROW costs as said costs are accrued. Payments shall be made to the City by the County within forty-five (45) days of said invoices.

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After an award by the City to the successful bidder on the project, the City may invoice the County for ninety-five (95) percent of the estimated County's shares of the contract construction costs and construction engineering costs and the balance of the estimated County's share of the design engineering costs for the Project. Payments shall be made to the City by the County for the full amounts due as stated on an invoice within forty-five (45) days of the invoice.

In the event the City Engineer determines the need to amend the construction contract with a supplemental agreement or change order which results in an increase in the contract amount for the Project, the County hereby agrees to remit within forty-five (45) days of submittal of an invoice by the City of said change an amount equal to ninety-five (95) percent of the estimated County's shares as documented in the supplemental agreement or change order. Said invoice shall include documentation of the additional costs.

The remainder of the County's shares in the ROW, engineering and contract construction costs of the Project, including additional costs resulting from supplemental agreements and change orders, will be due the City upon acceptance by the City of all the construction work performed by the City's construction contractor and submittal of the City Engineer's final estimate for the Project to the County.

Upon final payment to the Project contractor by the City, any amount remaining as a balance in the deposit account will be returned to the County, within 45 days, on a proportionate basis based on the County's initial deposit amount and the County's final proportionate share of the Project costs. Likewise, any amount due the City from the County upon final payment by the City shall be paid by the County as its final payment for the construction and engineering costs of the Project within forty-five (45) days of receipt of an invoice from the City.

## VII

It is understood and agreed that County will not participate in the cost of landscape improvements the City may propose to install in conjunction with the Project such as street lighting, pedestrian level lighting, boulevard or median plantings, benches, shelters, banners or utility burial without amendment to this Agreement. However, such items may compete for Roadside Enhancement Partnership Program (REEP) funds to help offset City construction costs for these items.

## VIÍI

The City also agrees that any contract let by the City or its agents for the performance of the work included in the Project as provided herein shall include clauses that will: 1) Require the Contractor to defend, indemnify, and hold the County and its officials, officers agents and employees harmless from any liability, causes of action, judgments, damages, losses, costs or expenses including without limitation to reasonable attorneys' fees, arising out of or by reason of the acts and/or omissions of the said Contractor, its officers, employees, agents or subcontractors; 2) Require the Contractor to be an independent contractor for the purposes of completing the work provided for in this Agreement; and 3) Require the Contractor to provide and

Limits

\$1,000,000

Statutory

maintain insurance in accordance with the following:

1. Commercial General Liability on an occurrence basis with Contractual Liability and Explosion, Collapse and Underground Property Damage (XCU) Liability coverages:

| \$2,000,000 |
|-------------|
| \$2,000,000 |
| \$1,500,000 |
|             |
| \$1,500,000 |
|             |

Hennepin County shall be named as an additional insured for the Commercial General Liability coverage with respect to operations covered under this Agreement.

2. Automobile Liability:

Combined Single limit each occurrence coverage or the equivalent covering owned, non-owned, and hired automobiles

- 3. Workers' Compensation and Employer's Liability:
  - A. Workers' Compensation

If the Contractor is based outside the State of Minnesota, coverages must apply to Minnesota Laws

B. Employer's Liability – Bodily injury by:

|    | Accident – Each Accident<br>Disease – Policy Limit<br>Disease – Each Employee | \$500,000<br>\$500,000<br>\$500,000 |
|----|---|-------------------------------------|
| 4. | Professional Liability – Per Claim<br>Aggregate                               | \$1,500,000<br>\$2,000,000          |

It is understood and agreed by the parties hereto that the above listed Professional Liability insurance will not be required in any construction contract let by City if the City's Contractor is not required to perform design engineering as part of said construction contract.

An umbrella or excess policy over primary liability coverages is an acceptable method to provide the

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required insurance limits.

The above subparagraphs establish minimum insurance requirements. It is the sole responsibility of the City's Contractor to determine the need for and to procure additional insurance which may be needed in connection with said Project.

All insurance policies shall be open to inspection by the County and copies of policies shall be submitted to the County upon written request.

IX

The City shall install, cause the installation of, or perpetuate the existence of an adequate three wire, 120/240 volt, single phase, alternating current electrical power connection to the traffic control signals and integral street lights located on CSAH 20 and included in the Project, at the sole cost and expense of the City. Further, the City shall provide the electrical energy for the operation for said traffic control signals and integral streetlights, at its sole cost and expense.

## X

The City shall not revise by addition or deletion, nor alter or adjust any component, part, sequence, or timing of the traffic control signals located on CSAH 20 and included in the Project.

## XI

It is understood that the EVP Systems provided with the traffic control signals located on CSAH 20 and included in the Project, shall be installed, operated, maintained or removed in accordance with the following conditions and requirements:

1. Emitter units may be installed and used only on vehicles responding to an emergency as defined in Minnesota Statutes Chapter 169.01, Subdivision 5 and 169.03. Upon request, the City will provide the County Engineer or his designated representative a list of all such vehicles with emitter units.

2. Malfunctions of EVP Systems shall be reported to the County immediately.

- 3. In the event said EVP Systems or components are, in the opinion of the County, being misused or the conditions set forth herein are violated, and such misuse or violation continues after receipt by the City of written notice thereof from the County, the County shall remove the EVP Systems. Upon removal of the EVP Systems pursuant to this paragraph, the field wiring, cabinet wiring, detector receivers, infrared detector heads, indicator lamps and all other components shall become the property of the County.
- 4. All timing of said EVP Systems shall be determined by the County.

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## XII

As part of the Project, "No-Parking" signs will be installed as represented in the plans and the City, at its expense, shall provide the enforcement for the prohibition of on-street parking on those portions of CSAH 20 constructed under this Project.

It is further agreed that the City shall at its own expense, remove and replace all City owned signs that are within the construction limits of the Project.

## XIII

Upon completion of the Project the County shall, at its own cost and expense, retain ownership and maintenance responsibilities for those portions of the roadway storm sewer drainage system functioning as catch basins and associated lead pipes that are within or between the outermost curb lines of the County roadways as well as those within the radius return limits of intersecting municipal streets until such time as jurisdiction of CSAH 20 reverts to the City. All other components of the roadway storm sewer drainage system, constructed as a part of this Project including but not limited to all trunk lines, manholes and drainage ponds shall become the property of the City, and shall be maintained by the City.

It is hereby understood that the County requires an operational clear zone behind the face of curb for storage of snow removed from County roadways. The City hereby agrees that the City shall be responsible for the removal of any snow including that placed on the sidewalks and/or pedestrian/bicycle paths as a result of the County's snow removal operations on CSAH 20 within the limits of the Project. This paragraph is not intended to confer a benefit upon any third party and the City's decision to remove snow from the sidewalks and/or pedestrian/bicycle paths shall be made by the City at its sole discretion pursuant to its policy on removal of snow and ice from sidewalks and/or pedestrian/bicycle paths.

All questions of maintenance responsibilities that may arise shall be jointly resolved by the City's Director of Public Works and the County's Transportation Road and Bridge Operations Department Director.

## XIV

It is understood and agreed by the Parties that three (3) years after the City's receipt of final payment from the County of its Project costs, CSAH 20 shall be removed from the County State Aid Highway system.

The process by which the CSAH 20 designation shall be removed from Blake Road shall begin with a City resolution stating support for the Commissioner of the Minnesota Department of Transportation's removal of CSAH 20 from the County State Aid Highway System three (3) years after the City's receipt of final payment from the County of its Project costs and acceptance of Blake Road jurisdiction under Provisions of Minnesota Statutes, Section 612.02, and shall end when the County advises the Commissioner that the three (3) year period has passed. Thereafter, the City agrees to accept such conveyance subject to existing encumbrances such as permits and easements and perform all roadway and other maintenance at its sole cost

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and expense, and will request that the Commissioner designate the segment a Municipal State Aid route. During this three (3) year period, the County shall notify the City of any new encumbrances to the property to be transferred to the City, and the City shall retain the ability to object to such encumbrances which are not necessary to the completion of this Agreement.

It is further understood and agreed by the Parties that upon transfer of CSAH 20/Blake Road as stated herein the traffic control signal system at the CSAH 3/Blake Road intersection shall remain the property of the County and the traffic control signal system at the TH 7/Blake Road intersection shall remain the property of the State of Minnesota.

## XV

The County shall provide the City with the following information and records, to the extent that they are available for the route to be transferred.

1. As-built construction plans, microfilm records, and electronic files.

2. Inventory data.

3. History of most recent improvements/upgrades.

## XVI

It is understood and agreed by the Parties that the construction of the SWLRT station along Blake Road will generate pedestrian activity along the south side of CSAH 3/Excelsior Boulevard from Blake Road to the east City limit where no pedestrian facilities currently exist. It is further understood and agreed by the Parties that the City is in a better position to install the needed facilities along the south side of CSAH 3, and that the County will provide \$150,000 toward the cost of the installation. The \$150,000 will be drawn from the County's State Aid Construction Account, and will reduce the construction costs the City would normally be responsible to pay for the CSAH 20/Blake Road reconstruction by \$150,000. This \$150,000 will be added to the \$10,230,000 in construction cost participation the County intends to pay as outlined in Article VI, yielding a construction cost component of \$10,380,000. The Parties further agree that the \$150,000 the County will provide to install the needed facilities shall constitute the entire amount the County will provide for said facilities, and the City will heretofore be responsible for the installation of the facilities either in conjunction with the Project or thereafter as deemed appropriate by the City.

## XVII

Each party agrees that it will be responsible for its own acts and the results thereof, to the extent authorized by the law, and shall not be responsible for the acts of the other party and the results thereof. The County's and the City's liability is governed by the provisions of Minnesota Statutes, Chapter 466.

The County and the City each warrant that they are able to comply with the aforementioned indemnity requirements through an insurance or self-insurance program.

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## XVIII

The City agrees to defend, indemnify and hold harmless the County, its officials, officers, agents, volunteers and employees, from any liabilities, claims, causes of action, judgments, damages, losses, costs or expenses, including, reasonable attorneys' fees, resulting directly or indirectly from any act or omission of the City, its contractors, anyone directly or indirectly employed by them, and/or anyone for whose acts and/or omissions they may be liable for related to the ownership, maintenance, existence, restoration, repair or replacement of the afore defined City owned improvements constructed as part of the Project. The City's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 or other applicable law.

The County agrees to defend, indemnify, and hold harmless the City, its officials, officers, agents, volunteers, and employees from any liability, claims, causes of action, judgments, damages, losses, costs, or expenses, including reasonable attorneys' fees, resulting directly or indirectly from any act or omission of the County, its contractors, anyone directly or indirectly employed by them, and/or anyone for whose acts and/or omissions they may be liable related to the ownership, maintenance, existence, restoration, repair or replacement of the afore defined County owned improvements constructed as part of the Project. The County's liability shall be governed by the provisions of Minnesota Statutes, Chapter 466 or other applicable law.

## XIX

All records kept by the City and the County with respect to the Project shall be subject to examination by the representatives of each party hereto.

### XX

It is further agreed that any and all employees of the City and all other persons engaged by the City in the performance of any work or services required or provided for herein to be performed by the City shall not be considered employees of the County, and that any and all claims that may or might arise under the Minnesota Economic Security Law or the Workers' Compensation Act of the State of Minnesota on behalf of said employees while so engaged and any and all claims made by any third parties as a consequence of any act or omission on the part of said employees while so engaged on any of the work or services provided to be rendered herein shall in no way be the obligation or responsibility of the County.

Also, any and all employees of the County and all other persons engaged by the County in the performance of any work or services required or provided for herein to be performed by the County shall not be considered employees of the City, and that any and all claims that may or might arise under the Minnesota Economic Security Law or the Workers' Compensation Act of the State of Minnesota on behalf of said employees while so engaged and any and all claims made by any third parties as a consequence of any act or omission on the part of said employees while so engaged on any of the work or services provided to be rendered herein shall in no way be the obligation or responsibility of the City.

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## XXI

In order to coordinate the services of the County with the activities of the City so as to accomplish the purposes of this Agreement, the Hennepin County Engineer or designated representative shall manage this Agreement on behalf of the County and serve as liaison between the County and the City.

In order to coordinate the services of the City with the activities of the County so as to accomplish the purposes of this Agreement, the City Engineer or designated representative shall manage this Agreement on behalf of the City and serve as liaison between the City and the County.

## XXII

It is understood and agreed that the entire Agreement between the parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof. All items referred to in this Agreement are incorporated or attached and are deemed to be part of this Agreement.

Any alterations, variations, modifications, or waivers of provisions of this Agreement shall only be valid when they have been reduced to writing as an amendment to this Agreement signed by the parties hereto.

## XXIII

The whereas clauses are incorporated herein and are hereby made a part of this Agreement.

## XXIV

The provisions of Minnesota Statutes 181.59 and of any applicable local ordinance relating to civil rights and discrimination and the Affirmative Action Policy statement of Hennepin County shall be considered a part of this Agreement as though fully set forth herein.

## (this space left intentionally blank)

IN TESTIMONY WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the day and year first above written.

## **CITY OF HOPKINS**

(Seal)

| By: Milly Cumming  |  |
|--------------------|--|
| Date: May 17, 2016 |  |
| And: Manager       |  |
| Date: MAY 17, 2016 |  |

**COUNTY OF HENNEPIN** 

**ATTEST:** 

By: Deputy Ølerk of the County Board 10.31.16 Date:

## **APPROVED AS TO FORM:**

nman By:

Assistant County Attorney

3151 Date:

## **APPROVED AS TO EXECUTION:**

onna By

ssistant County Attorney

28/16 Date:

a. Callin By: Car

Chair of its County Board

10-24-14 Date: And: stant/Deputy/County Administrator Date: And:

Assistant County Administrator, Public Works

Date:

## **RECOMMENDED FOR APPROVAL:**

By: mas

County Highway Engineer

121/14 Date:

## CITY OF HOPKINS HENNEPIN COUNTY, MINNESOTA

## **RESOLUTION NO. 2016-042**

## RESOLUTION APPROVING AGREEMENT FOR JURISDICTIONAL TRANSFER OF COUNTY STATE AID HIGHWAY NO. 20 (BLAKE ROAD) | CITY PROJECT 2013-06

WHEREAS, Hennepin County (County) and the City of Hopkins (City) have been negotiating to bring about the transfer of County State Aid Highway No. (CSAH) 20 (Blake Road) between CSAH 3 (Excelsior Boulevard) and Trunk Highway (TH) 7 from the County to the City, and

WHEREAS, the construction of the Southwest Light Rail Transit (SWLRT) line through the City will result in a SWLRT at-grade crossing of CSAH 20 and a SWLRT station on the CSAH 20 corridor, and

WHEREAS, the Parties anticipate the introduction of a SWLRT station on the CSAH 20 corridor will provide a stimulus to development/redevelopment along the CSAH 20 corridor, and

WHEREAS, the City has engaged in a visioning process intended to conform the reconfiguration of CSAH 20 between CSAH 3 and TH 7 in a manner complementary to the anticipated development/redevelopment of the properties along CSAH 20, and

WHEREAS, CSAH 20 is in need of reconstruction between CSAH 3 and TH 7, and

WHEREAS, the City is willing to receive jurisdiction of CSAH 20 within the aforesaid limits with the understanding that the City would take the lead in design, construction, construction oversight and necessary right-of-way acquisition to support the reconstruction of CSAH 20 between CSAH 3 and TH 7 in a manner agreed to by the Parties and hereinafter referred to as the project, and

WHEREAS, the County has acknowledged that the City is property positioned to design and reconstruct CSAH 20 in a manner reflective of a vision to complement area development/redevelopment in a time frame complementary to the projected SWLRT schedule, and

WHEREAS, it is contemplated that said work be carried out by the Parties hereto under the provisions of Minnesota Statutes, Section 162.17, Subdivision I and Section 471.59, and

WHEREAS, an Agreement for Jurisdictional Transfer of CSAH 20 has been developed and is acceptable to the Parties which specifies the terms and responsibilities for the reconstruction and transfer.

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Hopkins, Minnesota:

## Resolution No. 2016-042

The Mayor and City Manager are hereby authorized to enter into an agreement with Hennepin County for the said project.

Adopted by the City Council of the City of Hopkins, Minnesota, this 17th day of May, 2016.

By Mally Cummings, Mayor

ATTEST:

Amy Domeier, City Clerk

STATE OF MINNESOTA COUNTY OF HENNEPIN CITY OF HOPKINS

I, THE UNDERSIGNED, AMY DOMEIER, CLERK OF THE CITY OF HOPKINS, HENNEPIN COUNTY, MINNESOTA, AND CUSTODIAN OF THE SEAL AND RECORDS OF SAID CITY HEREBY CERTIFY THAT THE ABOVE OR FOREGOING IS A TRUE AND CORRECT TRANSCRIPT AND COPY OF THE WHOLE RECORD THEREOF RESERVED AND ON FILE IN THE OFFICE OF SAID CITY CLERK.

AMY DOMEIER, CITY CLERK OF THE CITY OF HOPKINS