



# ST. LOUIS COUNTY PLANNING COMMISSION STAFF REPORT

INSPECTION DATE: 7-14-23

REPORT DATE: 7-24-23

MEETING DATE: 8-10-23

## APPLICANT INFORMATION

**APPLICANT NAME:** Hannon Road Sand and Gravel LLC

**APPLICANT ADDRESS:** 121 Highland Drive, Hibbing MN 55746

**OWNER NAME:** Jeff Cimermancic

**SITE ADDRESS:** 12394 Hannon Road, Hibbing MN 55746

**LEGAL DESCRIPTION:** NW1/4 OF SE1/4 AND SW ¼ OF SE ¼ S15, T59 N, R21 W (Unorganized)

**PARCEL IDENTIFICATION NUMBER (PIN):** 755-0010-02360, 2370

**NATURE OF REQUEST:** A conditional use permit for a general purpose borrow pit as an Extractive Use Class - II

**PROPOSAL DETAILS:** The applicant is proposing crushing, screening, portable hot mix and recycling of asphalt. It is estimated that 10,000 cubic yards of material will be removed each year. Standard hours of operation are from 7 a.m. to 8 p.m., Monday through Saturday. It is estimated that up to 10 trucks will be leaving the pit per day.

## PARCEL AND SITE INFORMATION

**ROAD ACCESS NAME/NUMBER:** Hannon Road

**ROAD FUNCTIONAL CLASS:** Local

**LAKE NAME:** N/A

**LAKE CLASSIFICATION:** N/A

**RIVER NAME:** or N/A

**RIVER CLASSIFICATION:** N/A

**DESCRIPTION OF DEVELOPMENT ON PARCEL:** The parcel is currently undeveloped with access to the proposed borrow pit.

**ZONE DISTRICT:** FAM 1

**PARCEL ACREAGE:** 80 acres

**LOT WIDTH:** 1,320 feet

**FEET OF ROAD FRONTAGE:** 1,320 FEET

**FEET OF SHORELINE FRONTAGE:** N/A

## PARCEL AND SITE INFORMATION

**VEGETATIVE COVER/SCREENING:** The proposed pit is setback off Hannon Road more than 800 feet with excellent screening. The actual pit location has been logged of mature trees but has started to regenerate with aspen.

**TOPOGRAPHY:** The property has an elevation change of 32 feet.

**FLOODPLAIN ISSUES:** N/A

**WETLAND ISSUES:** The property contains wetlands that have been delineated. The Wetland Conservation Act shall be followed for any proposed impacts.

**ADDITIONAL COMMENTS ON PARCEL:** Per the survey and site map the maximum area for excavation is 23 acres.

## FACTS AND FINDINGS

### A. Plans and Official Controls:

1. Zoning Ordinance 62, Article V, Section 5.6 B., indicates general purpose borrow pits are an allowed use with a Conditional Use Permit.
2. The applicant's parcel is designated as FA within Planning Area 2 on the Future Land Use Map.
3. The St. Louis County Comprehensive Land Use Plan under Objective LU-4.5 states that the development of new general purpose borrow pits should be directed to areas designated as Forest and Agriculture (FA) on the Future Land Use Map.
4. The FA category typically consists of large tracts of land that are not intended for future urban or rural development.

### B. Neighborhood Compatibility:

1. The area consists primarily of large tracts of undeveloped forest and agricultural land. These large tracts of land are under both private and public ownership.
2. The development density in this area is very low except for lake shore development along Island Lake which is over a half mile from the haul road and borrow pit.

### C. Orderly Development:

1. This is a rural area consisting of primarily large undeveloped parcels.
2. The request for a borrow pit should have little to no effect on the future development of the surrounding area.

### 3. Desired Pattern of Development:

1. There is not a high level of future growth anticipated in the area.
2. The FA designation of the parcel specifically identifies these areas for extractive use.
3. The area is not intended for future urban or rural development.

### 4. Other Factor(s):

1. The applicant has an approved access from the St. Louis County Public Works Department and the wetlands have been identified.
2. A Stormwater Pollution Prevention Plan has been prepared for the proposed use.
3. The total pit area to be excavated is 23 acres.

## PLANNING COMMISSION CRITERIA FOR APPROVAL OF A CONDITIONAL USE PERMIT

- 1. Does the use conform to the land use plan?**
- 2. Is the use compatible with the existing neighborhood?**
- 3. Will the use impede the normal and orderly development and improvement of the surrounding area?**
- 4. Is the location and character of the proposed use considered consistent with a desirable pattern of development?**
- 5. What, if any, other factors should be taken into consideration on this case?**

## RECOMMENDED CONDITIONS, IF APPROVED

If the Planning Commission determines that the proposal meets the criteria for granting a conditional use permit to allow a general purpose borrow pit as an Extractive Use-Class II, the following conditions shall apply:

1. All minimum extractive use standards shall be followed.
2. The extractive use activity shall be limited to less than 40 acres.
3. The applicant shall adhere to all local, county, state, and federal regulations.
4. The Wetland Conservation Act shall be followed.



# Conditional Use Permit (CUP)

Permit # 

EXTRACTIVE USE CLASS II APPLICATION St. Louis County, Minnesota

Permit # 

**About:** This application is used to apply for a Land Use Permit. Applicants will need to attach the appropriate worksheet(s) in order to process. For more information, see our website at: [www.stlouiscountymn.gov/land-use](http://www.stlouiscountymn.gov/land-use)

## PROPERTY IDENTIFICATION NUMBER (PIN) PIN is found on your Property Tax Statement

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Primary PIN   | 7 | 5 | 5 | - | 0 | 0 | 1 | 0 | - | 0 | 2 | 3 | 6 | 0 | Associated PIN | 7 | 5 | 5 | - | 0 | 0 | 1 | 0 | - | 0 | 2 | 3 | 7 | 0 |
| Associated PIN |   |   |   | - |   |   |   |   | - |   |   |   |   |   | Associated PIN |   |   |   | - |   |   |   |   | - |   |   |   |   |   |

E.g. 123-1234-12345. Primary PIN: Parcel where Structure/SSTS are located. Associated PIN: Additional and/or adjacent property that you own or that is related to the project. County Land Explorer: <https://gis.stlouiscountymn.gov/landexplorer/> Property Lookup: <http://apps.stlouiscountymn.gov/auditor/parcelInfo2005Iframe/>

## APPLICANT

\*Applicant Name I am a...  Contractor  Homeowner  Other  
 Hannon Road Sand & Gravel, LLC \*Daytime # 218-969-8105 Date 3-8-2023

\*Applicant Address 121 Highland Drive \*City Hibbing \*State MN \*ZIP 55746

Applicant Email [cimer829@gmail.com](mailto:cimer829@gmail.com)

Contact Person If applicable. Jeff Cimermancic Contact Person # 218-969-8105

Mailing Address If different than above. City State ZIP

Email Address Where to email permit. Providing an email address will expedite the time in which a permit is received by an applicant.  
[cimer829@gmail.com](mailto:cimer829@gmail.com)

## SITE INFORMATION

Yes  No \*Is there a site address for this property? (If no, the application will be forwarded to 911/Communications to assign one.)

If yes above, please list site address: 12394 Hannon Road, Hibbing, MN 55746

Yes  No \*Is this leased property? If yes, leased from:  MN Power  MN DNR  US Forest Service  St Louis County  Other

Yes  No \*Do you have written authorization from the leased property owner? If yes, you must attach written authorization form.

\*How is the property accessed?  Public Road  Private Road  Easement  Water  Other

## PROJECT INFORMATION

Yes  No \*Is this project on a parcel less than 2.5 acres?

Yes  No \*Is this project within 300 feet of a stream/river or 1,000 feet of a lake?

Yes  No \*Is this project adding a bedroom? **Include home, garage, & accessory dwelling.**

# 0 \*Total # of bedrooms on property after project completion. **Include home, garage, & accessory dwelling.**

Yes  No \*Does this project include plumbing or pressurized water in proposed structure? If yes, please explain:

Yes  No \*Is the property connected to a municipal or sanitary district system?

*If you answered "Yes" to any of the project information questions above, it is required that you submit a copy of a septic permit to construct or certificate of compliance approval or municipal/sanitary district approval when applying for a land use permit.*

## AGREEMENT

By submitting this application, I certify and agree that I am the owner or the authorized agent of the owner of the above property, and that all uses will conform to the provisions of St. Louis County. I further certify and agree that I will comply with all conditions imposed in connection with the approval of the application. Applicants may be required to submit additional property descriptions, property surveys, site plans, building plans and other information before the application is accepted or approved. **Intentional or Unintentional falsification of this application or any attachments thereto will make the application, any approval of the application and any resulting permit invalid.** I authorize St. Louis County staff to inspect the property to review the application and for compliance inspections. Furthermore, by submitting this application, I release St. Louis County and its employees from any and all liability and claims for damages to person or property in any manner or form that may arise from the approval of the application or any related plans, the issuance of any resulting permit or the subsequent location, construction, alteration, repair, extension, operation or maintenance of the subject matter of the application.

**\*Indicates required field. Incomplete applications will be returned.**



# Conditional Use Permit (CUP)

## WORKSHEET St. Louis County, Minnesota

**About:** Land Use Permits are required for most building construction activities. They are also required for a variety of other uses. For more information, check out our website at: [www.stlouiscountymn.gov/land-use](http://www.stlouiscountymn.gov/land-use)

**WHAT ARE YOU APPLYING FOR** *Check all that apply to the project.* PLEASE MAKE CHECKS TO: ST. LOUIS COUNTY AUDITOR

**#1 New Buildings Less than/equal to 1,200 square feet-\$165**  
**Greater than 1,200 square feet-\$325**

Dwelling-Home, Mobile Home, Hunting Shack, or Cabin. (Includes attached deck, if applicable.)

Replacement of Existing Dwelling-Home, Mobile Home, Hunting Shack, or Cabin.  
 Will the old dwelling be removed from the property?  Yes  No

*If yes, an affidavit must be filled out stating when the old dwelling will be removed.*

*If this dwelling is a mobile home, there is a special mobile home affidavit to be filled out.*

Accessory Dwelling-Guest cottage or bunkhouse. Must follow administrative standards.

Accessory Structure- Garage, Pole Building, shed, sauna, screenhouse or gazebo that either meets lake or river setback or not located in a shoreland area.

Water-oriented Accessory Structure- Boathouse, Sauna, Screenhouse/gazebo on a lake or river located at reduced shoreline setback. Must follow administrative standards.

Commercial Structure

Other Principal Structure

**#2 Other Construction/Change in Use-\$85**

Addition(s) to Dwelling  
 Is the dwelling location on a lake or river?  Yes  No  
 If Yes above, does the structure meet the required shoreline setback?  Yes  No  
 If No, structure does not meet the shoreline setback, a performance standard permit or variance may be required. See box #4 or #7.

Addition(s) to Accessory Structure

New Deck Only or Deck Replacement

Combination Addition(s) & Deck on the same structure

Moving a Structure

Sign

Structure Alteration or Component Replacement

Change in Use (i.e. converting an old cabin to storage)

What will the new use of the structure be?  
 Explain the current and proposed use.  
 Current: \_\_\_\_\_ Proposed: \_\_\_\_\_

**Other-\$60**

Permit extension beyond 2 years

**#3 Subdivisions/Parcel Reviews**  
**Additional Worksheets Required**

Plat-Minor Subdivision-\$650

Conventional or Conservation Plat-Less than or equal to 3 lots-\$650

Conventional or Conservation Plat-Greater than 3 Lots-\$1,300

Lot Line Adjustment-\$85

Parcel Review-\$85

Performance Standard Subdivision-\$385

**#4 Performance Standard-\$385**  
**Additional Worksheets Required**

Borrow/Gravel Pit

Home Business

Land Alteration

Nonconforming Structure Replacement

Addition to a structure that does not meet shoreline setback

Other

**#5 Site Evaluation**

Site Visit/Evaluation-\$165

**#6 Wetland Reviews**  
**Additional Worksheets Required**

No Loss/Exemption/Replacement Plan-\$165

Wetland Delineation Review-\$385

Wetland Banking Plan Review-\$1,140

**#7 Public Hearings**  
**Additional Worksheets Required**

Administrative Appeal-\$1,275

Environmental Assessment-\$1,140

Conditional Use Permit-\$650

Conditional Use Permit Rehearing-\$210

Interim Use Permit-\$650

Interim Use Permit Rehearing-\$210

General Purpose Borrow Pit-\$650

Variance-\$650

Variance Rehearing-\$210

Multiple Hearing (Variance/conditional use)- \$980

Rezoning-\$650

**TYPE OF PROPOSED STRUCTURES** *Check all that apply to the project.*

| <input type="checkbox"/> New Structure(s)    | *Structure Type<br>(Same as box #1 or 2 above) | *Foundation Type<br>(Basement, Slab, Pier, etc) | *Maximum Length<br>(Exterior Footprint Only) | *Maximum Width<br>(Exterior Footprint Only) | *Maximum Sq. ft<br>(Exterior footprint only) | *Maximum Height<br>(Ground Level to Roof Peak) |
|--|--|---|--|---|--|--|
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |
| <input type="checkbox"/> Structure Additions | *Structure Type<br>(Same as box #2 above)      | *Foundation Type<br>(Basement, Slab, Pier, etc) | *Maximum Length<br>(Exterior Footprint Only) | *Maximum Width<br>(Exterior Footprint Only) | *Maximum Sq. ft<br>(Exterior footprint only) | *Maximum Height<br>(Ground Level to Roof Peak) |
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |
|  |  |   | Feet   | Feet  | Sq. ft.                                      | Feet   |

\*Indicates required field. Incomplete applications will be returned.

**CONTACT:** Planning and Community Development Department

**Technical Assistance**  
 Toll Free: 1-800-450-9777  
 Land Use Information  
[www.stlouiscountymn.gov/land-use](http://www.stlouiscountymn.gov/land-use)

**Duluth**  
 Government Services Center  
 320 West 2<sup>nd</sup> Street, Suite 301  
 Duluth, MN 55802  
 (218) 725-5000

**Virginia**  
 Government Services Center  
 201 South 3<sup>rd</sup> Avenue West  
 Virginia, MN 55792  
 (218) 749-7103

**Office Use Only**  
 Receipt # \_\_\_\_\_  
 Receipt Date \_\_\_\_\_  
 Payment Amount \_\_\_\_\_  
 Paid By \_\_\_\_\_





# Extractive Use- General Purpose Borrow (Gravel) Pit Worksheet St. Louis County, Minnesota

## PERMIT TYPE



General Purpose Permit (Requires Conditional Use Approval)

## GENERAL OPERATIONS DESCRIPTION

- Crushing  Washing  Screening  Portable Hot Mix  Permanent Hot Mix  Recycling of Asphalt  
 Recycling of Concrete  Other:

Describe the frequency and duration of the applicable activities:

Operations will tentatively run during the normal construction season (about May through October)  
Monday through Saturday, 7:00am to 8:00pm. Activities will vary based on contractor, scope of project,  
and other factors.

## ROAD ACCESS

What road will the proposed pit be accessed from? Hannon Road



Do you have authorization for access from the appropriate road authority? If yes, please attach written authorization.

## TRAFFIC

How many trucks, on average, will leave the pit per day?

10

## DESCRIPTION OF EXCAVATION

What is the depth of excavation from the original surface?

10-40 Feet

Estimated volume of material to be excavated per year?

10000 Cubic yards

What is the depth of ground water before excavation?

Varies (~10-40) Feet

Total area to be excavated\*?

23.0 Acres

\*As per MN Rule 4410.4300, Subp. 12, Environmental Review is required if area excavated has potential for 40 acres or more of excavation. See MN Rules for further information regarding Environmental Review process.

## PROJECT LOCATION



Are there residential properties within 300 feet of the pit, haul roads, stockpile areas, or related pit facilities?

How close is the nearest home? 2,500 Feet



Are there any lakes, rivers, or streams within 300 feet of the pit?



Are there wetlands within 300 feet of the pit? (Include the area of the pit)



Have the property lines been established? If yes, please attach:

Certified Land Survey  Written agreement with all adjacent property owners

## HOURS OF OPERATION

(Proposed)

Monday through Friday

Saturday

Sunday

Comments

Start: 7:00am  
End : 8:00pm

Start: 7:00am  
End : 8:00pm

Start: N/A  
End : N/A

**ENVIRONMENTAL EFFECTS**

What dust control measures will be used?

Water Trucks     Chloride     Other (If other, please explain):

Yes     No    Will runoff be contained within the pit area?

If no, please explain:

Yes     No    Will material other than clean fill be deposited within the pit?

If yes, please explain:

**SCREENING**

What type of visual screening will be used:

From Roads

From Adjacent Properties

Vegetative     Berm     Other

Vegetative     Berm     Other

Please Describe: The surrounding area within the property is currently undeveloped and heavily wooded. There will be a minimum 50-foot buffer between operations and nearby property boundaries, thereby creating an adequate screening.

Yes     No    Have you obtained your MPCA Borrow Pit Stormwater Permit?

**EROSION CONTROL/RECLAMATION PLAN REQUIRED ATTACHMENT**

Sign, date and submit attached reclamation plan.

Or describe, in detail, your reclamation efforts both temporary and after exhaustion of the pit.  
(Include erosion control measures to be used, seeding, sloping. Attach additional sheets.)

**NOTE:** All owners are responsible for assuring that pit operators comply with all borrow pit standards. To obtain a copy of the standards go to [www.stlouiscountymn.gov/landuse](http://www.stlouiscountymn.gov/landuse)

**Reclamation Plan:**

As operations proceed, the owner intends to strip and reserve the existing topsoil into stockpiles for future use. For temporary erosion control of inactive mining areas throughout the project area, the owner intends to establish vegetation with native seed and at least 6" thick topsoil. The final slope of a working area will be re-graded at a minimum 3:1 (horizontal:vertical) in order to promote vegetation growth.

Since final post-topography of the site is not able to be determined at this time, reclamation plans will be prepared at the end of the gravel pit life. Plans will include minimum guidelines for slope stabilization based on the Minnesota DNR's handbook on reclamation (or whichever prevailing related document is available at that time).



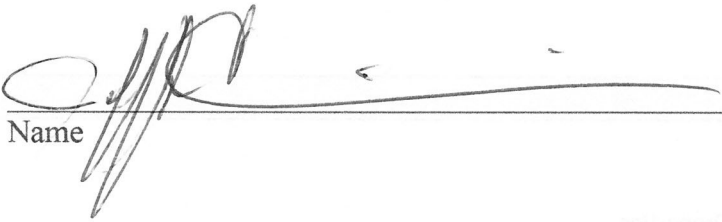
# Extractive Use-Borrow (Gravel) Pit Reclamation Plan

## During Mining operation:

- Vegetation will be cleared and disposed of in a manner acceptable to the fire warden and solid waste authority.
- Top soil will be reserved for reapplication and seeded to prevent erosion.
- The pit will be managed by designating a working face and directing activity to that area until depletion of materials. Once an area has been depleted it shall be reclaimed.
- Final grading of the pit face and other slopes will be at a minimum of 3:1.

## Reclamation, if applicable, shall be completed prior to the expiration of the permit:

- Reapplication of top soil to depth of 6-9 inches.
- Permanent seeding with native grasses in the spring (April-June) to stabilize erosion.
- Allowing for natural re-vegetation.

  
Name

6-2-23  
Date

# Native Seed Mix

36-311

Woodland Edge Northeast

| Common Name  | Scientific Name                  | Rate (kg/ha) | Rate (lb/ac) | % of Mix (% by wt) | Seeds/ sq ft  |
|--|----------------------------------|--------------|--------------|--------------------|---------------|
| fringed brome  | <i>Bromus ciliatus</i>           | 2.24         | 2.00         | 5.98%              | 8.10          |
| bluejoint  | <i>Calamagrostis canadensis</i>  | 0.15         | 0.13         | 0.37%              | 12.90         |
| poverty grass  | <i>Danthonia spicata</i>         | 0.56         | 0.50         | 1.50%              | 4.60          |
| nodding wild rye   | <i>Elymus canadensis</i>         | 1.40         | 1.25         | 3.72%              | 2.38          |
| slender wheatgrass   | <i>Elymus trachycaulus</i>       | 2.24         | 2.00         | 5.96%              | 5.06          |
| fowl bluegrass   | <i>Poa palustris</i>             | 0.98         | 0.87         | 2.59%              | 41.50         |
| False Melic  | <i>Schizachne purpurascens</i>   | 0.28         | 0.25         | 0.75%              | 2.90          |
| <b>Total Grasses</b>   |                                  | <b>7.85</b>  | <b>7.00</b>  | <b>20.87%</b>      | <b>77.44</b>  |
| common yarrow  | <i>Achillea millefolium</i>      | 0.03         | 0.03         | 0.09%              | 2.00          |
| pearly everlasting   | <i>Anaphalis margaritacea</i>    | 0.02         | 0.02         | 0.05%              | 1.30          |
| flat-topped aster  | <i>Doellingeria umbellata</i>    | 0.04         | 0.04         | 0.12%              | 1.00          |
| tall cinquefoil  | <i>Drymocallis arguta</i>        | 0.07         | 0.06         | 0.19%              | 5.30          |
| large-leaved aster   | <i>Eurybia macrophylla</i>       | 0.02         | 0.02         | 0.05%              | 0.18          |
| stiff goldenrod  | <i>Oligoneuron rigidum</i>       | 0.16         | 0.14         | 0.42%              | 2.10          |
| smooth wild rose   | <i>Rosa blanda</i>               | 0.18         | 0.16         | 0.47%              | 0.15          |
| black-eyed susan   | <i>Rudbeckia hirta</i>           | 0.29         | 0.26         | 0.77%              | 8.70          |
| gray goldenrod   | <i>Solidago nemoralis</i>        | 0.07         | 0.06         | 0.18%              | 6.80          |
| upland white aster   | <i>Solidago ptarmicoides</i>     | 0.04         | 0.04         | 0.13%              | 1.00          |
| Lindley's Aster  | <i>Symphyotrichum ciliolatum</i> | 0.03         | 0.03         | 0.10%              | 1.00          |
| smooth aster   | <i>Symphyotrichum laeve</i>      | 0.16         | 0.14         | 0.43%              | 2.90          |
| American vetch   | <i>Vicia americana</i>           | 0.56         | 0.50         | 1.50%              | 0.38          |
| <b>Total Forbs</b>   |                                  | <b>1.68</b>  | <b>1.50</b>  | <b>4.50%</b>       | <b>32.81</b>  |
| Oats or winter wheat (see note at beginning of list for recommended dates) |                                  | 28.02        | 25.00        | 74.63%             | 11.14         |
| <b>Total Cover Crop</b>  |                                  | <b>28.02</b> | <b>25.00</b> | <b>74.63%</b>      | <b>11.14</b>  |
| <b>Totals:</b>   |                                  | <b>37.55</b> | <b>33.50</b> | <b>100.00%</b>     | <b>121.39</b> |

**CONTACT:** Planning and Community Development Department

**Technical Assistance**

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**Duluth**

Government Services Center  
 320 West 2<sup>nd</sup> Street, Suite 301  
 Duluth, MN 55802  
 (218) 725-5000

**Virginia**

Elizabeth Prebich Building  
 201 South 3<sup>rd</sup> Avenue West  
 Virginia, MN 55792  
 (218) 749-7103

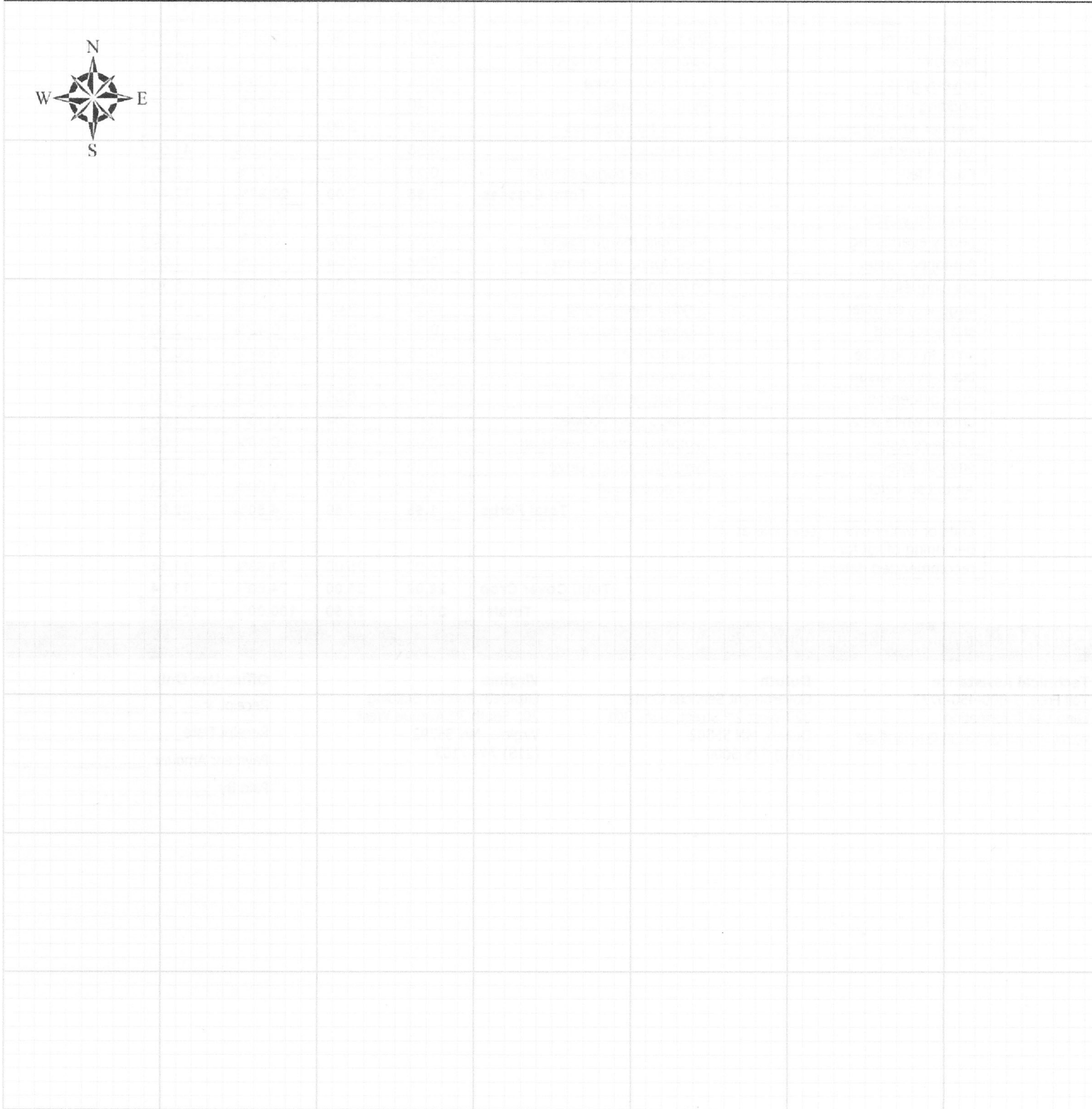
**Office Use Only**

Receipt # \_\_\_\_\_  
 Receipt Date \_\_\_\_\_  
 Payment Amount \_\_\_\_\_  
 Paid By \_\_\_\_\_

# Extractive Use-General Purpose Borrow (Gravel) Pit Site Sketch Form

| Borrow Pit   | Setbacks   |
|--|--|
| <p>Include locations and labels of:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Property lines</li> <li><input type="checkbox"/> Roads</li> <li><input type="checkbox"/> Haul road</li> <li><input type="checkbox"/> Gate</li> <li><input type="checkbox"/> Wetlands</li> <li><input type="checkbox"/> Proposed buildings</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Proposed phased excavation</li> <li><input type="checkbox"/> DNR protected waters, if applicable</li> <li><input type="checkbox"/> Existing structures, if applicable</li> <li><input type="checkbox"/> Utility easements, if applicable</li> <li><input type="checkbox"/> Existing excavation, if applicable</li> <li><input type="checkbox"/> Hot mix location, if applicable</li> </ul> |

You may submit your own site sketch if drawn to scale and has required information indicated above.

















**ALL WORK PERFORMED UNDER THE PROVISIONS OF THE SWPPP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS III, IV, AND APPENDIX A OF THE MPCA NPDES PERMIT FOR CONSTRUCTION ACTIVITIES.**

**PROJECT RESPONSIBILITIES**

THE SWPPP DESIGNER IS RESPONSIBLE FOR DESIGN OF THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL BMPs BEFORE AND DURING CONSTRUCTION. THE OWNER IS RESPONSIBLE FOR ENSURING THE CONTRACTOR IS FOLLOWING THE CONSTRUCTION PLANS.

|                             |                           |   |  |
|-----------------------------|---------------------------|---|--|
| SWPPP DESIGNER:             | PROJECT OWNER:            | PROJECT CONTRACTOR:                     | CONSTRUCTION SWPPP MANAGER:  |
| BENCHMARK ENGINEERING, INC. | HANNON ROAD SAND & GRAVEL | (PROJECT OWNER WILL ACT AS CONTRACTOR.) | (CONTRACTOR SHALL ADD REQUIRED CONTACT AND TRAINING DOCUMENTATION TO THIS SWPPP) |
| JEREMY D. SCHWARZE          | JEFF CIMERMANCIC          |   |  |
| 8878 MAIN STREET            | 121 HIGHLAND DRIVE        |   |  |
| MTN. IRON, MN 55768         | HIBBING, MN 55746         |   |  |
| 218-735-8914                | (218)-969-8105            |   |  |
| jeremys@bm-eng.com          | cimer829@gmail.com        |   |  |

**PROJECT DESCRIPTION**

THIS PROJECT IS FOR A PROPOSED PRIVATE BORROW (GRAVEL) PIT LOCATED IN ST. LOUIS COUNTY, MINNESOTA. A CONDITIONAL USE PERMIT FOR THE GRAVEL PIT OPERATIONS WILL BE OBTAINED BY THE OWNER. THE PROPERTY IS APPROXIMATELY 87 ACRES AND LOCATED ON THE SOUTH SIDE OF HANNON ROAD ABOUT ONE MILE EAST OF MINNESOTA HIGHWAY 5 (12394 HANNON ROAD, UNORGANIZED TOWNSHIP 59-21; SEC 15, T59N, R21W).

AN ACCESS ROAD HAS ALREADY BEEN ESTABLISHED AND WILL BE IMPROVED WITH EROSION AND SEDIMENT CONTROL PRACTICES. THE PROPOSED TOTAL LAND AREA TO BE DISTURBED BY THIS PROJECT IS POTENTIALLY PLANNED FOR ABOUT 23.0 ACRES OF EXCAVATION ACTIVITIES. REFER TO THE OWNER'S CONDITIONAL USE PERMIT FOR OTHER PROJECT DETAILS.

RECEIVING WATERS PRIMARILY INCLUDE ADJACENT UNNAMED WETLANDS. THERE ARE NO SPECIAL OR IMPAIRED WATERS WITHIN ONE MILE RADIUS OF THE PROJECT BOUNDARY.

PROJECT AREA:  
 PRE-CONSTRUCTION IMPERVIOUS AREA = 0.69 ACRES - EXISTING ACCESS ROAD  
 POST-CONSTRUCTION IMPERVIOUS AREA = 0.46 ACRES - PROPOSED HAUL ROADS  
 NET IMPERVIOUS AREA = 1.15 ACRES

DUE TO THE LINEAR NATURE OF THE HAUL ROADS, STORMWATER RUNOFF WILL BE MANAGED WITH PERIODIC FILTER BERMS LOCATED AT LOW POINTS ALONG THE EDGE OF THE ROADWAY. SPACING AND QUANTITY OF THESE FILTER BERMS WILL VARY BASED ON ACTUAL FIELD CONDITIONS AND ROADWAY LOCATIONS.

**SITE SOILS INFORMATION**

USDA SOIL SURVEY INDICATES 12 SOIL UNITS WITHIN AND NEAR THE GENERAL PROJECT AREA. THE HIGHEST FIVE PERCENTAGES INCLUDE:  
 - BOWSTRING AND FLUVAQUENTS, LOAMY, 0 TO 2 PERCENT SLOPES FREQUENTLY FLOODED RIFLE-RIFLE,  
 - KEEWATIN-NASHWAUK COMPLEX, 0 TO 8 PERCENT SLOPES, STONY  
 - ROSCOMMON MUCK, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES  
 - GREATSCOTT-NASHWAUK-BALKAN, DEPRESSIONAL, COMPLEX, 0 TO 18% STONY  
 - GREENWOOD-GREENWOOD, PONDED, COMPLEX, 0 TO 1 PERCENT SLOPES

**RECEIVING WATERS INFORMATION**

LIST ALL WATERS WITHIN ONE MILE THAT ARE LIKELY TO RECEIVE STORMWATER RUNOFF FROM THE PROJECT SITE BOTH DURING OR AFTER CONSTRUCTION:

| WATER BODY ID                      | NAME    | TYPE           | SPECIAL | IMPAIRED |
|------------------------------------|---------|----------------|---------|----------|
| ID                                 | NAME    | WETLAND, LAKE, | Y/N     | Y/N      |
| 1-6 (SEE PLAN)                     | UNNAMED | WETLAND        | N       | N        |
| ADDITIONAL BMPs (IF REQUIRED): N/A |         |                |         |          |

**LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN**

ADDITIONAL REQUIRED INFORMATION NOT SHOWN ON THE SWPPP SHEETS ARE PROVIDED IN THE PROJECT PLAN.

| DESCRIPTION                          | TITLE                | LOCATION   |
|--------------------------------------|----------------------|------------|
| DIRECTION OF FLOW/DRAINAGE AREA      | SITE LAYOUT          | SHEET 2    |
| AREAS OF PHASED CONSTRUCTION         | SITE LAYOUT          | SHEET 2    |
| DRAINAGE STRUCTURES                  | SITE LAYOUT          | SHEET 2    |
| EROSION CONTROL PLAN                 | SITE LAYOUT          | SHEET 2    |
| EROSION CONTROL CONSTRUCTION DETAILS | CONSTRUCTION DETAILS | SHEETS 3-6 |
| EROSION CONTROL ITEM QUANTITIES      | SITE LAYOUT          | SHEET 2    |

**AMENDING THE SWPPP**

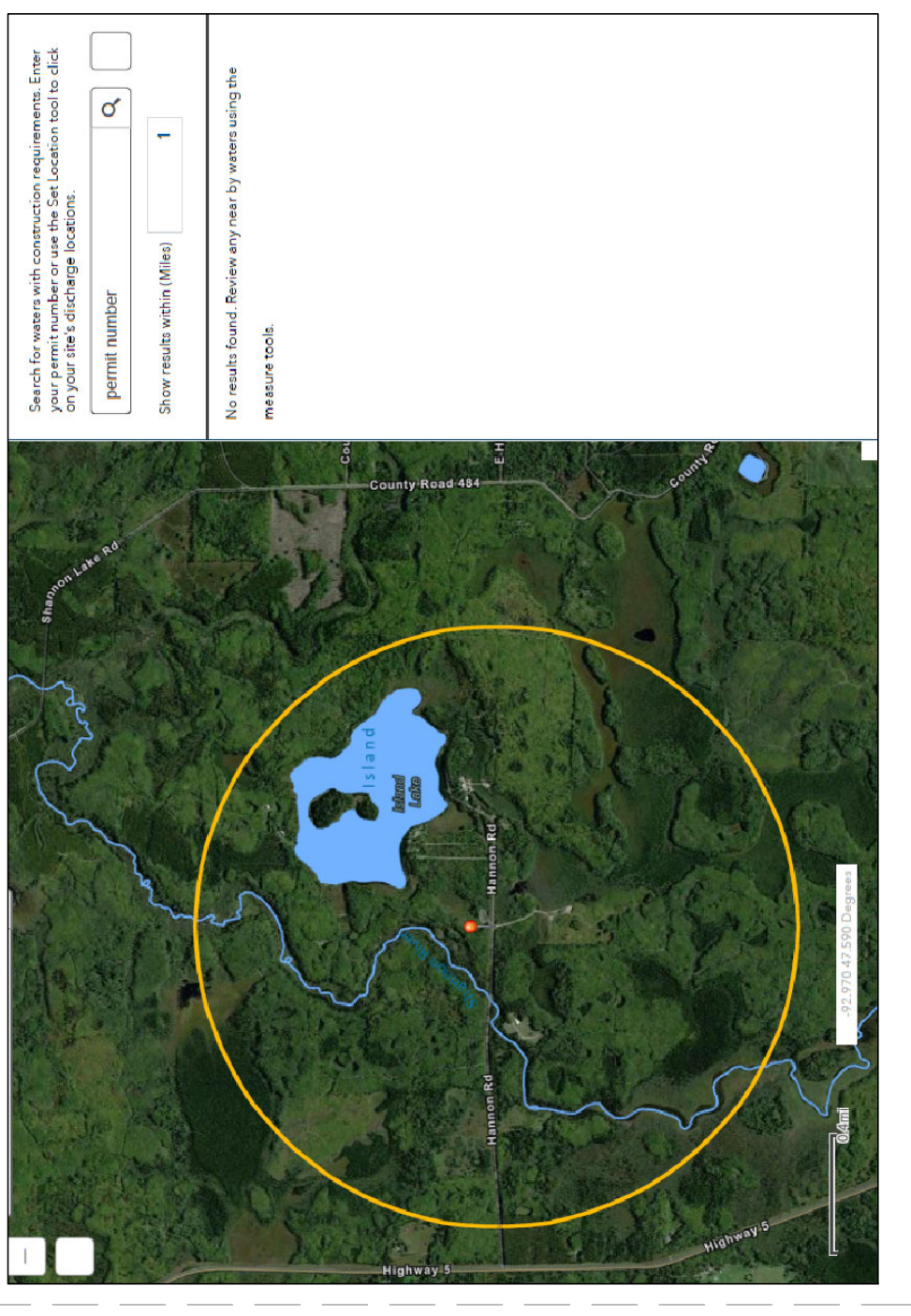
THE PERMITTEE(S) MUST AMEND THE SWPPP AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, SUCH AS ADDITIONAL OR MODIFIED BMPs, DESIGNED TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER:

- SIGNIFICANT EFFECT ON DISCHARGE TO SURFACE WATERS OR UNDERGROUND WATERS;
- INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL INDICATE THE SWPPP IS NOT EFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OR POLLUTANTS OR THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES
- THE SWPPP IS NOT ACHIEVING THE GENERAL OBJECTIVES OF MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES OR THE SWPPP IS INCONSISTENT WITH TERMS AND CONDITIONS OF THIS PERMIT.
- IN RESPONSE TO MPCA DETERMINATION OF NON-ATTAINMENT OF ANY APPLICABLE WATER QUALITY STANDARD OR DISCHARGES INTO IMPAIRED WATERS OR TMDLS.

IF IT IS DETERMINED BY THE ENGINEER OR THE CONTRACTOR THAT THE SWPPP NEEDS TO BE AMENDED, IT NEEDS TO BE LISTED BELOW.

AMENDMENT

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1-MILE BOUNDARY MAP

**BENCHMARK ENGINEERING, INC.**  
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 Mountain Iron, MN 55768  
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- CIVIL ENGINEERING
- ENVIRONMENTAL ENGINEERING
- LAND SURVEYING
- PLANNING
- MINING
- LAND DATA BASE MAPPING

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

*Jeremy D. Schwarze*  
 Printed name: Jeremy D. Schwarze  
 Date: 6/13/23 Lic. No. 55498

PROJECT NO: HRS623-02  
 DATE: MARCH 2023  
 DRAWN BY: JDS  
 CHECKED BY: AJJ

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**HANNON ROAD SAND & GRAVEL SITE DEVELOPMENT**

ST. LOUIS COUNTY, MINNESOTA

**SWPPP**

SHEET NO. **7** OF **9**



# BENCHMARK ENGINEERING, INC.

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

*Jeremy D. Schweize*  
Printed name: Jeremy D. Schweize  
Date: 6/13/23 Lic. No. 55498

PROJECT NO: HRS023-02

DATE: MARCH 2023

DRAWN BY: JDS

CHECKED BY: AJJ

| DATE | REVISIONS | DESCRIPTION |
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## HANNON ROAD SAND & GRAVEL SITE DEVELOPMENT

ST. LOUIS COUNTY, MINNESOTA

# SWPPP

SHEET NO.

8 OF 9

### DEWATERING AND BASIN DRAINING

1. DEWATERING AND BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCH/DITCH CUTS FOR DRAINAGE) RELATED TO THE CONSTRUCTION ACTIVITY THAT MAY HAVE TURBID OR SEDIMENT LADEN DISCHARGE WATER MUST BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE WHENEVER POSSIBLE.
2. DISCHARGE FROM THE TEMPORARY OR PERMANENT SEDIMENTATION BASIN MUST BE VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT IS OBTAINED IN THE BASIN SO THAT NUISANCE CONDITIONS (SEE MINN. R. 7050.0210, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE.
3. IF THE WATER CANNOT BE DISCHARGED TO A SEDIMENTATION BASIN PRIOR TO ENTERING THE SURFACE WATER, IT MUST BE TREATED WITH THE APPROPRIATE BMPs SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE RECEIVING WATER OR DOWNSTREAM LANDOWNERS.
4. THE PERMITTEE(S) MUST ENSURE THAT DISCHARGE POINTS ARE ADEQUATELY PROTECTED FROM EROSION AND SCOUR. THE DISCHARGE MUST BE DISPERSED OVER NATURAL ROCK RIPRAP, SAND BAGS, PLASTIC SHEETING, OR OTHER ACCEPTED ENERGY DISSIPATION MEASURES.
5. ADEQUATE SEDIMENTATION CONTROL MEASURES ARE REQUIRED FOR DISCHARGE WATER THAT CONTAINS SUSPENDED SOLIDS.
6. ALL WATER FROM DEWATERING OR BASIN DRAINING ACTIVITIES MUST BE DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACT TO THE WETLAND.

### TIMING OF BMP INSTALLATION

THE EROSION AND SEDIMENTATION CONTROL BMPs SHALL BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON SITE AND SHALL MEET THE NPDES PERMIT PART IV CONSTRUCTION ACTIVITY REQUIREMENTS. SEE EROSION CONTROL SHEETS FOR TIMING OF AREA SPECIFIC INSTALLATION.

1. THE PERMITTEE(S) MUST PLAN FOR AND IMPLEMENT APPROPRIATE CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING, AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION, SO THAT THE INSPECTION AND MAINTENANCE REQUIREMENTS OF PART IV.E. ARE COMPLIED WITH. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE DELINEATED (E.G. WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC.) ON THE DEVELOPMENT SITE BEFORE WORK BEGINS.
2. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION BUT IN NO CASE LATER THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. 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 BUT MUST COMPLY WITH PART IV.C.5.
3. THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE THAT DRAINS WATER FROM ANY PORTION OF THE CONSTRUCTION SITE, OR DIVERTS WATER AROUND THE SITE, MUST BE STABILIZED WITHIN 200 LINEAL FEET FROM THE PROPERTY EDGE, OR FROM THE POINT OF DISCHARGE INTO ANY SURFACE WATER. STABILIZATION OF THE LAST 200 LINEAL FEET MUST BE COMPLETED WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER.
4. STABILIZATION OF THE REMAINING PORTIONS OF ANY TEMPORARY OR PERMANENT DITCHES OR SWALES MUST BE COMPLETE WITHIN 14 DAYS AFTER CONNECTING TO A SURFACE WATER AND CONSTRUCTION IN THAT PORTION OF THE DITCH HAS TEMPORARILY OR PERMANENTLY CEASED.
5. TEMPORARY OR PERMANENT DITCHES OR SWALES THAT ARE BEING USED AS A SEDIMENT CONTAINMENT SYSTEM (WITH PROPERLY DESIGNED ROCK DITCH CHECKS, BIO ROLLS, SILT DIKES ETC.) DO NOT NEED TO BE STABILIZED. THESE AREAS MUST BE STABILIZED WITHIN 24 HOURS AFTER NO LONGER BEING USED AS A SEDIMENT CONTAINMENT SYSTEM.
6. SEDIMENT PONDS SHALL BE CONSTRUCTED AND STABILIZED DURING ROAD/DITCH GRADING, RIPRAP AND TURF ESTABLISHMENT FOR SEDIMENT PONDS SHALL BE COMPLETED WITHIN 24 HOURS OF NO LONGER BEING USED AS A TEMPORARY SEDIMENT CONTAINMENT SYSTEM.
7. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION PROTECTION OR PERMANENT COVER NO LATER THAN NOVEMBER 1ST ON ALL SLOPES 1:3 OR STEEPER WITH EXPOSED SOIL AREAS, REGARDLESS OF THE STABILIZATION REQUIREMENTS LISTED.
9. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THE PLAN UNTIL THE SITE IS STABILIZED. ALL NONFUNCTIONAL DEVICES SHALL BE REPAIRED OR REPLACED WITH NO ADDITIONAL COMPENSATION THEREFORE.
10. AFTER FINAL STABILIZATION (70% COVER), ALL SILT FENCE SHALL BE REMOVED FROM THE PROJECT.

### TEMPORARY TURF ESTABLISHMENT/STABILIZATION

FOR TEMPORARY TURF ESTABLISHMENT, SEED MIXTURE 32-241 SHALL BE PLACED AT 38 LBS PER ACRE PRIOR TO MULCHING IN AREAS EXPECTED TO LIE UNWORKED FOR MORE THAN 3 MONTHS.

PLACE FERTILIZER TYPE 1 ANALYSIS 10-10-20 AT 200 LBS PER ACRE PRIOR TO SEED PLACEMENT AND TILL AS REQUIRED TO 3 INCH MINIMUM DEPTH.

TEMPORARY TURF ESTABLISHMENT ITEMS ARE INCIDENTAL TO THE COST OF CONSTRUCTION AND ARE NOT LISTED IN THE PROJECT QUANTITIES.

### PERMANENT EROSION CONTROL/FINAL STABILIZATION

PERMANENT TURF ESTABLISHMENT (70% COVER) ON ALL DISTURBED AREAS THAT ARE NOT STORAGE OR OPERATIONAL AREAS SHALL BE IN ACCORDANCE WITH THE TURF ESTABLISHMENT SPECIFICATIONS FOR THE PROJECT. SEED, FERTILIZER, AND MULCH TYPES AND QUANTITIES ARE PROVIDED IN THE PROJECT PLANS.

DITCHES, SWALES, AND SEDIMENT BASINS SHALL BE CLEAN OF SEDIMENT. ALL PERMANENT TREATMENT SYSTEMS SHALL MEET THE REQUIREMENTS OF PART III, C. ANY TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED.

### TMDL IMPLEMENTATION PLANS CONTAINING STORM WATER REQUIREMENTS

NO TMDL IMPLEMENTATION PLANS CURRENTLY EXIST FOR THE RECEIVING WATERS ON THIS PROJECT.

### KARST, DRINKING WATER MANAGEMENT, AND CALCAREOUS FEN REQUIRING STORM WATER REQUIREMENTS

THERE ARE NO ADDITIONAL REQUIREMENTS FOR KARST AREAS, DRINKING WATER MANAGEMENT AREAS, OR CALCAREOUS FEN ON THIS PROJECT.

### EROSION CONTROL RESPONSIBILITIES

CONTRACTOR SHALL REFER TO THE NPDES PERMIT, BELOW IS A SUPPLEMENT TO THE NPDES PERMIT AND THE STRICTER GUIDELINES SHALL BE FOLLOWED.

1. MNDOT SPECS, 2573 STORM WATER MANAGEMENT AND 2575 CONTROLLING EROSION AND ESTABLISHING VEGETATION SHALL APPLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL ON THIS PROJECT. THE CONTRACTOR SHALL PLACE, OR OTHERWISE CONSTRUCT, EROSION CONTROL AND SEDIMENT CONTAINMENT DEVICES TO PREVENT THE RUNOFF, TRACKING OR LOSS OF SEDIMENT FROM DISTURBED AREAS OF THE PROJECT SITE. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
3. THE CONTRACTOR SHALL DEVELOP A CHAIN OF RESPONSIBILITY WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE TEMPORARY AND PERMANENT EROSION CONTROL PROCEDURES ARE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE AND THE SITE IS STABILIZED.
4. THE MAXIMUM DISTURBED SURFACE AREA AT ANY ONE TIME SHALL NOT EXCEED THE CONTRACTOR'S RESOURCES AND ABILITY TO MEET THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS: THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. THE CONTRACTOR SHALL KEEP A RECORD OF INSPECTIONS AND MAINTENANCE CONDUCTED DURING CONSTRUCTION. THESE RECORDS MUST BE RETAINED IN THE STORM WATER POLLUTION PREVENTION PLAN, RECORDS OF EACH INSPECTION, AND MAINTENANCE ACTIVITY SHALL INCLUDE:
  - 4.1. DATE AND TIME OF INSPECTION
  - 4.2. NAME OF PERSON(S) CONDUCTING INSPECTION
  - 4.3. FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS TAKEN
  - 4.4. DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS
  - 4.5. DOCUMENTATION OF CHANGES MADE TO THE SWPPP. ALL SILT FENCE SHALL FOLLOW, AS CLOSE AS POSSIBLE, A SINGLE CONTOUR. HEIGHT OF THE SILT FENCE.
5. WHERE PARTS OF THE CONSTRUCTION SITE HAVE UNDERGONE FINAL STABILIZATION BUT WORK REMAINS ON OTHER PARTS OF THE SITE, INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH, WHERE WORK HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITION, THE REQUIRED INSPECTIONS AND MAINTENANCE MUST TAKE PLACE AS SOON AS RUNOFF OCCURS AT THE SITE OR PRIOR TO RESUMING CONSTRUCTION, WHICHEVER COMES FIRST.
6. THE CONTRACTOR SHALL KEEP THE INSPECTION AND MAINTENANCE LOGS IN ACCORDANCE WITH NPDES PERMIT PART IV E DURING CONSTRUCTION.
7. THIS SWPPP, ALL PERMITS, ALL INSPECTION AND MAINTENANCE RECORDS AND DESIGN CALCULATIONS WILL BE KEPT BY THE OWNER AFTER CONSTRUCTION FOR NOT LESS THAN THREE YEARS.

### TRAINING REQUIREMENTS

INDIVIDUALS WHO MUST BE TRAINED:

1. INDIVIDUALS OVERSEEING IMPLEMENTATION OF REVISING, AND AMENDING THE SWPPP AND PERFORMING INSPECTIONS.
2. INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE, AND REPAIRS OF BMPs. AT LEAST ONE INDIVIDUAL MUST BE TRAINED IN THESE JOB DUTIES.

TRAINING CONTENT: THE CONTENT AND EXTENT OF THE TRAINING MUST BE COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES COVERED UNDER THIS PERMIT FOR THE PROJECT. AT LEAST ONE INDIVIDUAL PRESENT ON THE PERMITTED PROJECT SITE (OR AVAILABLE TO THE PROJECT SITE IN 72 HOURS) MUST BE TRAINED IN THE JOB DUTIES DESCRIBED IN PART III.A.S.A.II AND PART III.A.2.A.III.

4. DOCUMENTATION MUST BE IN OR WITH THE SWPPP OR BE AVAILABLE IN 72 HOURS UPON REQUEST.
5. NAMES OF PERSONNEL ASSOCIATED WITH THIS PROJECT THAT ARE REQUIRED TO BE TRAINED PER PART III.A.2.a OF THE PERMIT.
6. DATES OF TRAINING AND NAME OF INSTRUCTOR(S) AND ENTITY PROVIDING TRAINING.
7. CONTENT OF TRAINING COURSE OR WORKSHOP.

### CONSTRUCTION NOTES

CONSTRUCTION SHALL BE GOVERNED BY THE MNDOT STANDARD SPECIFICATIONS, STANDARD CONSTRUCTION SPECIFICATIONS AND SPECIAL PROVISIONS, LATEST VERSION.

THE CONTRACTOR SHALL KEEP THE INSPECTION AND MAINTENANCE LOGS IN ACCORDANCE WITH NPDES PERMIT PART IV E DURING CONSTRUCTION.

THIS SWPPP, ALL PERMITS, ALL INSPECTION AND MAINTENANCE RECORDS AND DESIGN CALCULATIONS WILL BE KEPT BY THE OWNER AFTER CONSTRUCTION FOR NOT LESS THAN THREE YEARS.

QUANTITIES AND LOCATIONS OF ALL ITEMS SHOWN ON THE DETAIL SHEETS ARE APPROXIMATE AND WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.

PLAN BID ITEMS SHALL BE USED TO MEET THE REQUIREMENTS OF THE NPDES PERMIT, THE PLAN, AND THE SPECIFICATIONS. NO ADDITIONAL COMPENSATION SHALL BE PAID FOR THE NUMBER OF MOBILIZATIONS REQUIRED OR AREA COVERED DURING SUCH MOBILIZATIONS.

### SEDIMENT CONTROL PRACTICES

1. SEDIMENT CONTROL PRACTICES MUST MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS.
2. TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS THAT ARE DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS.
3. IF THE DOWN GRADIENT TREATMENT SYSTEM IS OVERLOADED, ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMP'S MUST BE INSTALLED TO ELIMINATE THE OVERLOADING, AND THE SWPPP MUST BE AMENDED TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN PART III.A.4. A. THROUGH C.
4. IN ORDER TO MAINTAIN SHEET FLOW AND MINIMIZE RILL AND/OR GULLIES, THERE SHALL BE NO UNBROKEN SLOPE LENGTH OF GREATER THAN 75 FEET FOR SLOPES WITH A GRADE OF 3:1 OR STEEPER.
5. SEDIMENT CONTROL PRACTICES MUST BE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADE LAND DISTURBING ACTIVITIES BEGIN. THESE PRACTICES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN ESTABLISHED IN ACCORDANCE WITH PART IV.G.
6. THE TIMING OF THE INSTALLATION OF SEDIMENT CONTROL PRACTICES MAY BE ADJUSTED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES. ANY SHORT-TERM ACTIVITY MUST BE COMPLETED AS QUICKLY AS POSSIBLE AND THE SEDIMENT CONTROL PRACTICES MUST BE INSTALLED IMMEDIATELY AFTER THE ACTIVITY IS COMPLETED. HOWEVER, SEDIMENT CONTROL PRACTICES MUST BE INSTALLED BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE ACTIVITY IS NOT COMPLETE.
7. ALL STORM DRAIN INLETS MUST BE PROTECTED BY APPROPRIATE BMPs DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED. INLET PROTECTION MAY BE REMOVED FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (STREET FLOODING/FREEZING) HAS BEEN IDENTIFIED AND THE PERMITTEE(S) HAVE RECEIVED WRITTEN CORRESPONDENCE FROM THE JURISDICTIONAL AUTHORITY (E.G. CITY/COUNTY/TOWNSHIP/MNDOT ENGINEER) VERIFYING THE NEED FOR REMOVAL. THE WRITTEN CORRESPONDENCE MUST BE DOCUMENTED IN THE SWPPP OR AVAILABLE WITHIN 72 HOURS UPON REQUEST. WHEN WRITTEN CORRESPONDENCE CAN NOT BE OBTAINED IN A TIMELY MANNER, THE SPECIFIC INLET PROTECTION CAN BE REMOVED TO ALLEVIATE THE IMMEDIATE SAFETY CONCERN. HOWEVER, EFFORTS TO OBTAIN WRITTEN CORRESPONDENCE MUST BE DOCUMENTED IN THE SWPPP AND AVAILABLE WITHIN 72 HOURS UPON REQUEST. PERMISSION TO REMOVE THE INLET PROTECTION BASED ON A SPECIFIC SAFETY CONCERN MUST STILL BE OBTAINED FROM THE JURISDICTIONAL AUTHORITY WITHIN 30 DAYS OF REMOVAL.
8. TEMPORARY SOIL STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AND CANNOT BE PLACED IN SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER.
9. VEHICLE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE (OR ONTO STREETS WITHIN THE SITE) MUST BE MINIMIZED BY BMPs SUCH AS STONE PADS, CONCRETE OR STEEL WASH RACKS, OR EQUIVALENT SYSTEMS. STREET SWEEPING MUST BE USED IF SUCH BMPs ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE STREET (SEE PART IV.E.4.C).



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**HANNON ROAD  
SAND & GRAVEL  
SITE DEVELOPMENT**

ST. LOUIS COUNTY, MINNESOTA

**SWPPP**

SHEET NO.  
**9** OF **9**

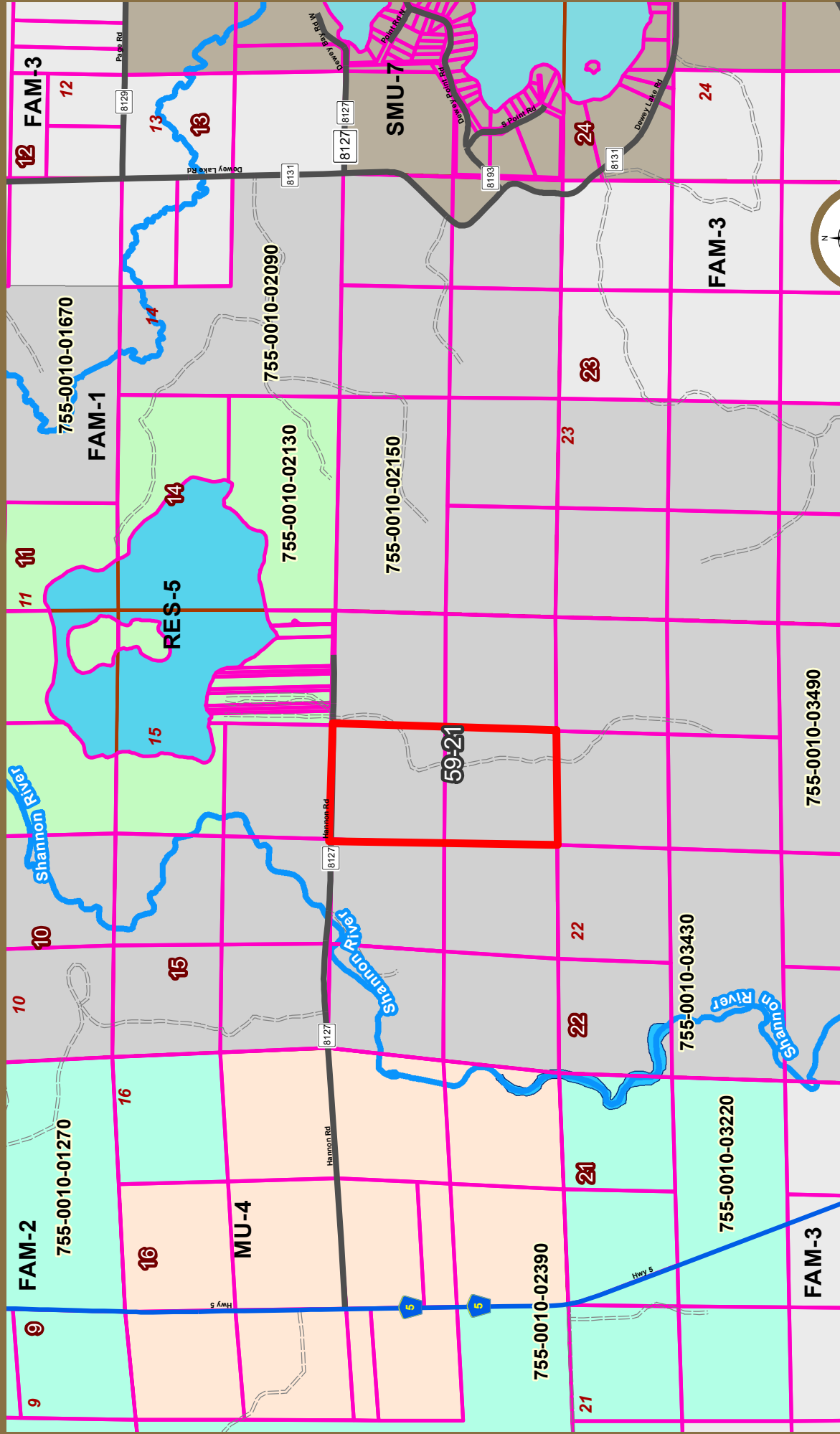
**SIGNIFICANT MATERIALS INVENTORY**  
POLLUTANTS THAT RESULT FROM CLEARING, GRADING, EXCAVATION, BRIDGE AND ROAD BUILDING AND HAVE THE POTENTIAL TO BE PRESENT ARE LISTED IN THE FOLLOWING TABLE. THIS TABLE INCLUDES INFORMATION REGARDING THE MATERIAL TYPE, CHEMICAL AND PHYSICAL DESCRIPTION, AND THE SPECIFIC REGULATED STORM WATER POLLUTANTS ASSOCIATED WITH EACH MATERIAL.

| MATERIAL/CHEMICAL    | PHYSICAL DESCRIPTION   | STORMWATER POLLUTANTS   | LOCATION   | MANAGEMENT PRACTICE   |
|----------------------|--|---|--|---|
| PESTICIDES           | VARIOUS COLORED COLORLESS LIQUID, AEROSOLS, POWDERS, PELLETS OR GRAINS | CHLORINATED HYDROCARBONS, ORGANOPHOSPHATES, CARBAMATES, ARSENIC                 | HERBICIDES FOR BRUSH AND WEED CONTROL                    | USE OF CERTIFIED APPLICATOR AND PROPER STORAGE AND CONTAINER DISPOSAL           |
| PERMANENT FERTILIZER | LIQUIDS OR SOLID GRAINS  | NITROGEN, PHOSPHOROUS, POTASSIUM  | NEWLY SEEDED AREAS                                       | MINIMIZE PHOSPHATES, APPLY APPROPRIATE RATES                                    |
| TEMPORARY FERTILIZER | LIQUIDS OR SOLID GRAINS  | NITROGEN, PHOSPHOROUS, POTASSIUM  | RAPID STABILIZATION AREAS, STOCKPILES                    | MANAGED APPLICATION, QUICK GROWTH PLANTING                                      |
| CLEANING SOLVENTS    | COLORLESS, BLUE OR YELLOW GREEN LIQUIDS                                | PERCHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, PETROLEUM DISTILLATES | CONCRETE PREP AND CLEANING STORAGE AREAS                 | NO EQUIPMENT CLEANING IN PROJECT AREA, PROPER STORAGE SPILL KITS                |
| ASPHALT              | BLACK SOLID  | OIL, PETROLEUM DISTILLATES  | HIGHWAY SURFACING  | EXCESS MATERIAL REMOVED FROM PROJECT AREA                                       |
| CONCRETE             | WHITE SOLID  | LIMESTONE, SAND   | BRIDGE CONSTRUCTION                                      | DESIGNATED WASH AREAS   |
| GLUE, ADHESIVES      | WHITE OR YELLOW LIQUID   | POLYMERS, EPOXIES   | EXPANSION JOINTS   | EMPTY CONTAINER MANAGEMENT  |
| PAINTS               | VARIOUS COLORED LIQUID   | METAL OXIDES, STODDARD SOLVENT, TALC, CALCIUM CARBONATE, LEAD, ARSENIC          | BRIDGE RAILS, SIGNPOSTS, STORAGE                         | EMPTY CONTAINER MANAGEMENT  |
| CURING COMPOUNDS     | CREAMY WHITE LIQUID  | NAPHTHA   | BRIDGE   | EMPTY CONTAINER MANAGEMENT  |
| WOOD PRESERVATIVES   | CLEAR, AMBER, OR DARK BROWN LIQUID                                     | STODDARD SOLVENT, PETROLEUM, DISTILLATES, ARSENIC, COPPER, CHROMIUM             | TIMBER BEAMS, SIGN POSTS, GUARDRAIL POSTS, STORAGE AREAS | FOLLOW MANUFACTURERS GUIDELINES   |
| HYDRAULIC OILS       | BROWN, RED OR OTHER COLORS, OILY                                       | PETROLEUM AND ADDITIVES   | RANDOM LEAKS   | PREVENTIVE MAINTENANCE, INSPECTIONS, SPILL KITS ON SITE                         |
| GASOLINE             | COLORLESS, PALE BROWN OR PINK  | PETROLEUM HYDROCARBONS, BENZENE, ETHYL BENZENE, TOLUENE, XYLENE, MTBE           | VEHICLES STORAGE   | SECONDARY CONTAINMENT PREVENTATIVE MAINTENANCE, INSPECTIONS, SPILL KITS ON SITE |
| DIESEL FUEL          | CLEAR, BLUE GREEN, OR YELLOW LIQUID                                    | PETROLEUM DISTILLATE, OIL, NAPHTHALENE, XYLENE                                  | VEHICLES, STORAGE  | SECONDARY CONTAINMENT PREVENTATIVE MAINTENANCE, INSPECTIONS, SPILL KITS ON SITE |
| ANTIFREEZE, COOLANT  | CLEAR, GREEN/YELLOW LIQUID   | ETHYLENE GLYCOL, PROPYLENE GLYCOL   | RANDOM LEAKS   | PREVENTIVE MAINTENANCE, INSPECTIONS, SPILL KITS ON SITE                         |

- CONSTRUCTION PRACTICES TO MINIMIZE STORM WATER CONTAMINATION**
- TO PREVENT STORM WATER CONTAMINATION FROM OCCURRING, THE FOLLOWING BMPs WILL BE IMPLEMENTED:
1. ALL AREAS THAT ARE ROUGH GRADED MUST BE KEPT IN A SMOOTH CONDITION TO ALLOW SHEET FLOW OF STORM WATER WHERE EVER PRACTICAL AND ALWAYS READY FOR SURFACE APPLICATION OF DEGRADABLE OR NON-DEGRADABLE BLANKETS, MULCH, OR OTHER PROTECTIVE COVERS.
  2. A STABILIZED CONSTRUCTION ENTRANCE/EXIT WILL BE CONSTRUCTED TO REDUCE VEHICLE TRACKING OF SEDIMENTS OF THE PROJECT RIGHT OF WAY.
  3. ALL NON-HAZARDOUS WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER OR OTHER APPROVED CONTAINMENT METHOD AT THE END OF EACH DAY. ANY ALTERNATIVE TO A METAL DUMPSTER MUST BE SUBMITTED IN WRITING FOR APPROVAL BY THE PROJECT ENGINEER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY TO FUNCTION AS INTENDED FOR DEBRIS COLLECTION. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. THE CONTRACTOR'S EROSION CONTROL SUPERVISOR WILL INSTRUCT ALL PERSONNEL REGARDING THE CORRECT PROCEDURE FOR DISPOSAL.
  4. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR WILL COLLECT ALL SANITARY WASTE FROM THE PORTABLE UNITS AT A RATE NECESSARY TO MAINTAIN DESIGNED FUNCTION.
  5. ALL VEHICLES ON SITE WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
  6. FERTILIZERS WILL BE STORED IN A COVERED SHED AND PARTIALLY USED BAGS WILL BE TRANSFERRED TO A SEALABLE BIN TO REDUCE THE CHANCE OF SPILLAGE.
  7. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED.
  8. SPILL KITS WILL BE INCLUDED WITH ALL FUELING SOURCES AND MAINTENANCE ACTIVITIES. SECONDARY CONTAINMENT MEASURES WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR.
  9. ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
  10. ALL PAINT CONTAINERS AND CURING COMPOUNDS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM WATER SYSTEM BUT WILL BE PROPERLY DISPOSED ACCORDING TO MANUFACTURER'S INSTRUCTION.
  11. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEAN-UP WILL BE KEPT IN AN ENCLOSED TRAILER OR SHED ON SITE. EQUIPMENT WILL INCLUDE, BUT NOT LIMITED TO, BROOMS, MOPS, DUST PANS, RAGS, GLOVES, GOGGLES, ABSORBENT (KITTY LITTER), OIL ABSORBENT BOOMS AND DIAPERS, AND BUCKETS.
  12. ALL SPILLS WILL BE CONTAINED AND CLEANED UP IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORM WATER CONVEYANCE SYSTEM WILL BE REPORTED TO THE MINNESOTA DUTY OFFICER AT 1-800-422-0798 OR DISCHARGE SURPLUS CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT.
  13. CONCRETE OR DRUM WASH WATER ON THE SITE, UNLESS DONE IN AN ENGINEERED CONTAINMENT SYSTEM, THE ENGINEERED SYSTEM MUST INCLUDE SITE DRAWINGS FOR THE PROJECT FILE AND WRITTEN ASSURANCE THAT THE SYSTEM WILL WORK AS DESIGNED AND LEAVE NO DISCHARGE OF CONCRETE OR CONCRETE RESIDUE POTENTIAL TO WATERS OF THE STATE DURING A MINIMUM OF A 100 YEAR STORM EVENT.
  14. FORM RELEASE OIL USED FOR CONCRETE WORK MUST BE APPLIED OVER A PALLET CONTAINING ABSORBENT TO COLLECT EXCESS LIQUID. THE ABSORBENT MATERIAL WILL BE REPLACED AND PROPERLY DISPOSED WHEN SATURATED.
  15. DISCHARGES FROM BASIN DEWATERING OPERATIONS THAT ARE TURBID OR SEDIMENT LADEN SHALL BE DISCHARGED TO TEMPORARY SEDIMENT BASINS CONSTRUCTED ON THE SITE TO PROVIDE TREATMENT PRIOR TO DISCHARGE TO A WATER OF THE STATE. IF BASINS ARE NOT FEASIBLE, DISCHARGES WILL BE DISPERSED OVER NATURAL ROCK RIPRAP, SHEETING, PLASTIC OR OTHER ENERGY DISSIPATION MEASURES.

# August PC

755-0010-02360



## Hannon Road Sand & Gravel Zoning Map

Prepared By: **Planning & Community Development**  
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[www.stlouiscountymn.gov](http://www.stlouiscountymn.gov)

Source: St. Louis County

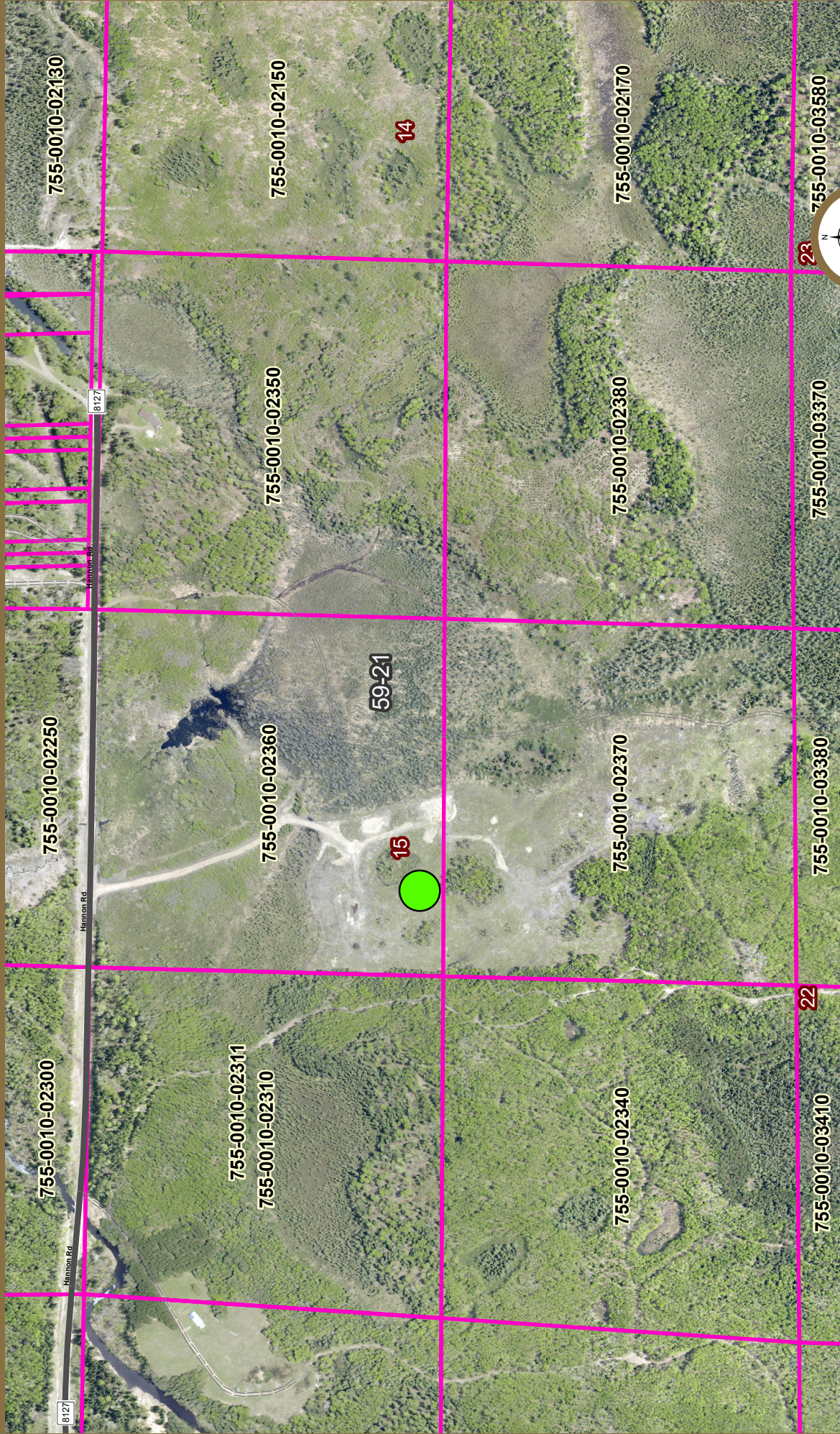
Map Created: 7/12/2023

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St. Louis County MN

**Hannon Road Sand & Gravel**

Site Map







