DRAINAGE AND UTILITY

REMOVALS PLAN - THE CITY.

TO CONSTRUCTION ACTIVITIES.

REMOVALS LIMITS OUT OF THE WHEEL PATHS.

EXISTING TREE INVENTORY:

EXISTING TREE REMOVAL CALCULATIONS:

REMOVAL NOTES:
1. SEE EXHIBIT 2 FOR PRELIMINARY PLAN (SHOWN IN PREDICTION OF RISK MANAGEMENT PLAN).
2. DRAWN IN A LAYOUT ON THE EXHIBITED MITT IN ACCORDANCE WITH THE SPECIFICATIONS AND THE SEALS, STANDARDS, AND PROVISIONS OF THE CITY OF BLOOMINGTON.
3. MINOR WORK OUTSIDE OF THE GENERAL CONSTRUCTION LIMITS SHALL BE ALLOWED AS SHOWN ON THE PLAN AND PER CITY REQUIREMENTS.

PROPOSED WORK OUTSIDE OF THE GENERAL CONSTRUCTION LIMITS SHALL BE ALLOWED AS SHOWN ON THE PLAN AND PER CITY REQUIREMENTS.

MINOR WORK OUTSIDE OF THE GENERAL CONSTRUCTION LIMITS SHALL BE ALLOWED AS SHOWN ON THE PLAN.

PROPERTY TO BE CONSIDERED ROMAN ROME, WITHIN WHICH IS TO BE EXAMINED IN THE SMITH.

EXISTING BUILDING EASEMENT PER DOC. NO. 1305995

CITY OF BLOOMINGTON REMOVAL NOTES:

1. ALL REMOVALS TO BE CONSIDERED MUST BE UP TO AN APPEAL TO THE BLOOMINGTON, MINNESOTA, BOARD OF APPEALS.

REMOVALS PEAK: 813.76

DROP: 814.70

TRAVEL SPK: 832.2

TREE PROTECTION:

SEE SHEET C.1 FOR PHASE 3 REMOVALS

SEE SHEET C.2 FOR INCLUSION OF PRESERVED TREES INTO LANDSCAPE CALCULATIONS
**CONSTRUCTION SEQUENCING**

1. Install Silt Fence and/or other appropriate temporary erosion control devices to prevent sediment from leaving or entering the practice during construction.
2. All down-gradient perimeter sediment control BMP's must be in place before any up-gradient land disturbing activity begins.
3. Perform continuous inspections of erosion control practices.
4. Install utilities (water, sanitary sewer, electric, phone, fiber optic, etc.) prior to setting final grade of bio-retention device.
5. Perform all other site improvement activities.
6. Seed and mulch all areas after disturbance.
7. Construct retention device upon stabilization of contributing drainage area.
8. Implement temporary and permanent erosion control practices.
10. Remove temporary erosion control devices after the contributing drainage area is adequately vegetated.

**GENERAL NOTES**

1. In the event that sediment is introduced into the BMP during or immediately following excavation, this material shall be removed from the practice prior to continuing construction.
2. Grading of retention devices shall be accomplished using low-compaction earth-moving equipment to prevent compaction of underlying soils.
3. All sub materials below the specified retention depth (elevation) shall be undisturbed, unless otherwise noted.

**AMENDED SOIL DETAIL**

- Incorporate 2" of compost to an 8" depth.
- Native soil.
- 4" scarified subsoil.
- Plant grass seed or sod.
INV-N: 811.43
Unit F1
827.25
Storage
PROJECT
002
Know what's
20'-0"
0
1" = 40'-0"
N
SWPPP - PROP.
1. RESERVED FOR CITY SPECIFIC EROSION CONTROL NOTES.
1. THIS PROJECT IS
SWPPP NOTES:
2. SEE SHEETS
THE COURSE OF CONSTRUCTION.
2. SEE SHEETS
THE COURSE OF CONSTRUCTION.
3. SEE GRADING PLAN FOR ADDITIONAL GRADING AND EROSION
3. SEE SHEETS
THE COURSE OF CONSTRUCTION.
MPCA NPDES PERMIT
REQUIREMENTS. ADDITIONAL PRACTICES MAY BE REQUIRED DURING
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THE COURSE OF CONSTRUCTION.
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1. CITY RESUBMITAL
CITY RESUBMITAL
10/30/19
10/08/19
06/25/20
02/24/20
02/07/20
CITY SUBMITAL
CITY SUBMITAL
I HEREBY CERTIFY THAT THIS PLAN,
LICENSE NO.
612-615-0060
St. Louis Park, MN  55416
PROJECT

IF YES, DESCRIBE MEASURES TO BE USED TO TREAT/DISPOSE OF TURBID OR SEDIMENT-LADEN WATER AND METHOD TO PREVENT EROSION OR SCOUR OF DISCHARGE POINTS (SEE PART IV. D OF THE PERMIT):

2. IF PROXIMITY TO BEDROCK OR ROAD PROJECTS WHERE THE LACK OF RIGHT OF WAY PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER MANAGEMENT PRACTICES, THEN OTHER TREATMENT SUCH AS

IF YES, DESCRIBE THE WETLAND MITIGATION SEQUENCE THAT WILL BE FOLLOWED IN ACCORDANCE WITH PART D OF APPENDIX A.

PROJECT TYPE

CALCULATED IMPACTS (IF NW TO NE SHOWN ON SHEET)

TOTAL AREA IMPACTED: 3.5

RECEIVING WATERS

WATER BODY NAME DATE OF WATER BODY WATER BODY TYPE SPECIAL DISTRICT TYPE IMPACTED WATERS TYPE

DATE OF IMPACT

STABILITY

DATE OF IMPACT

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

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N/A

N/A
ANOTHER PERMITTEE HAS OBTAINED COVERAGE UNDER THIS PERMIT ACCORDING TO PART II.B.5., OR THE PROJECT HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED TO THE MPCA.

THE PERMITTEE(S) IS/ARE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT BMP'S AS WELL AS EROSION PREVENTION AND SEDIMENT CONTROL BMP'S UNTIL 17157.01.

AFTER DISCOVERY, THE PERMIT REQUIRES MANY OF THE DEFICIENCIES THAT MAY BE FOUND IN THIS CHECKLIST BE CORRECTED WITHIN A SPECIFIED PERIOD OF TIME. SEE PERMIT FOR MORE DETAILS.

PROPOSED AMENDMENTS TO THE SWPPP:

DESCRIPTION OF AREAS OF NON-COMPLIANCE NOTED DURING THE INSPECTION, REQUIRED CORRECTIVE ACTIONS, AND RECOMMENDED DATE OF COMPLETION OF CORRECTIVE ACTIONS:

02/07/20

CITY RESUBMITTAL

DO ALL INFILTRATION AREAS HAVE PRETREATMENT DEVICES?

14.1.

CITY RESUBMITTAL

10/30/19

ARE ALL INFILTRATION SYSTEMS MARKED TO AVOID COMPACTION?

N

IF YES, EXPLAIN HOW THE TOP SOIL IS BEING PRESERVED. IF NO, EXPLAIN WHY IT WAS INFEASIBLE.

13.1.

IS THE TOPSOIL ON THIS PROJECT BEING PRESERVED?

Y

UNDER THE LAWS OF THE STATE OF

LICENSED PROFESSIONAL ENGINEER

WILL A PERMANENT STORMWATER MANAGEMENT SYSTEM BE UTILIZED IN THIS PROJECT AS REQUIRED AND IN ACCORDANCE WITH PART III.D OF THE PERMIT? DESCRIBE:

I HEREBY CERTIFY THAT THIS PLAN,

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437


IF YES, STATE THE EXACT LOCATION OF ALL POINTS OF DISCHARGE. PHOTOGRAPH THE DISCHARGE AND DESCRIBE THE DISCHARGE (COLOR, ODOR, FOAM, OIL SHEEN, ETC). HOW WILL IT BE REMOVED? HOW DID THE DISCHARGE

6.1.

7.

7.1.

6.

IS THERE A SEDIMENT DELTA?

N/A

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7.1.

IS THE SITE WITHIN ONE AERIAL MILE OF A SPECIAL OR IMPARED WATER?

N

7.

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