

Permit Report

Permit Application No.: **14-385**

Rule: **Wetland Protection**

Applicant: **Minnehaha Vista, LLC**
Project: **Minnehaha Vista 4-lot Subdivision**
Location: **14834 Timberhill Ln., Minnetonka**

Received: **8/9/2014**
Noticed: **8/20/2014**
Complete: **9/4/2014**

Recommendation:

Approval with the following condition:

1. Provide recorded maintenance declaration for wetland buffers

And Stipulations:

2. Execution of buffer planting and establishment plan for disturbed wetland buffer areas;
3. Installation of wetland buffers signs to indicate the contours of the buffer.

Background:

Minnehaha Vista, LLC has applied for a Minnehaha Creek Watershed District (MCWD) permit for Wetland Protection for the construction of a 4-lot subdivision located at 14834 Timberhill Rd., in the City of Minnetonka. The parcel is situated south of Minnehaha Creek, adjacent to a large wetland complex that encompasses the majority of the 12.29 acre site. There are no proposed wetland impacts.

The District exercises regulatory authority for Wetland Protection, Dredging, Shoreline & Streambank Stabilization and Waterbody Crossings & Structures within the City of Minnetonka. The City of Minnetonka is the Wetland Conservation Act Local Government Unit and exercises sole regulatory authority for erosion control and stormwater management.

No variance from or exception to District rules is being sought. The application is before the board for determination on request of Mr. Vincent Troy.

District Rule Summary

Wetland Protection:

No impact to the wetland itself is proposed. Though the city will impose stormwater management requirements on the project, the proposed 4-lot subdivision would trigger the District stormwater rule and therefore, the buffer requirement of the District's Wetland Protection Rule. (The project is redevelopment that increases the area of impervious surface (from 0.25 acres to 0.75 acres), so would not be exempt under section 2 of the rule.)

Wetland Boundary Determination

A wetland delineation for the site was conducted by Arrowhead Environmental Consulting on October 16th, 2010. There was one Type 2/3 fresh (wet) meadow/shallow marsh on the project parcel. The delineation was reviewed in the field by the City of Minnetonka, BWSR, DNR, the Army Corps of Engineers, and Hennepin County on November 10, 2010. The wetland boundary and type Notice of Decision was issued by the City of Minnetonka staff on November 22, 2010.

Wetland Buffers

Wetland buffers must be provided on the wetland edge that is downgradient from the proposed land-disturbing activity. A MnRAM was performed on August 25th, 2014 and classified the wetland bordering the west side of the property as a Manage 1 wetland. Manage 1 wetlands require a 40-ft buffer on the wetland edge that is downgradient from construction. Buffer widths may vary based on demonstrated site constraints as long as a width of at least 50 percent of the Applied Buffer Width is maintained at all points. The proposed wetland buffer for the wetland on site meets the District's requirements.

Areas of wetland buffers that are not vegetated or will be disturbed by land-disturbing activities must be planted with native seeds or native plantings. The applicant has submitted a wetland buffer planting plan for buffer areas that will be disturbed during construction.

Wetland buffer monument signs are required to indicate the contours of the buffer with maximum spacing not exceeding 100 ft. The applicant shows wetland buffer monuments on the site plans.

The applicant has met all criteria of the Wetland Protection Rule.

Summary:

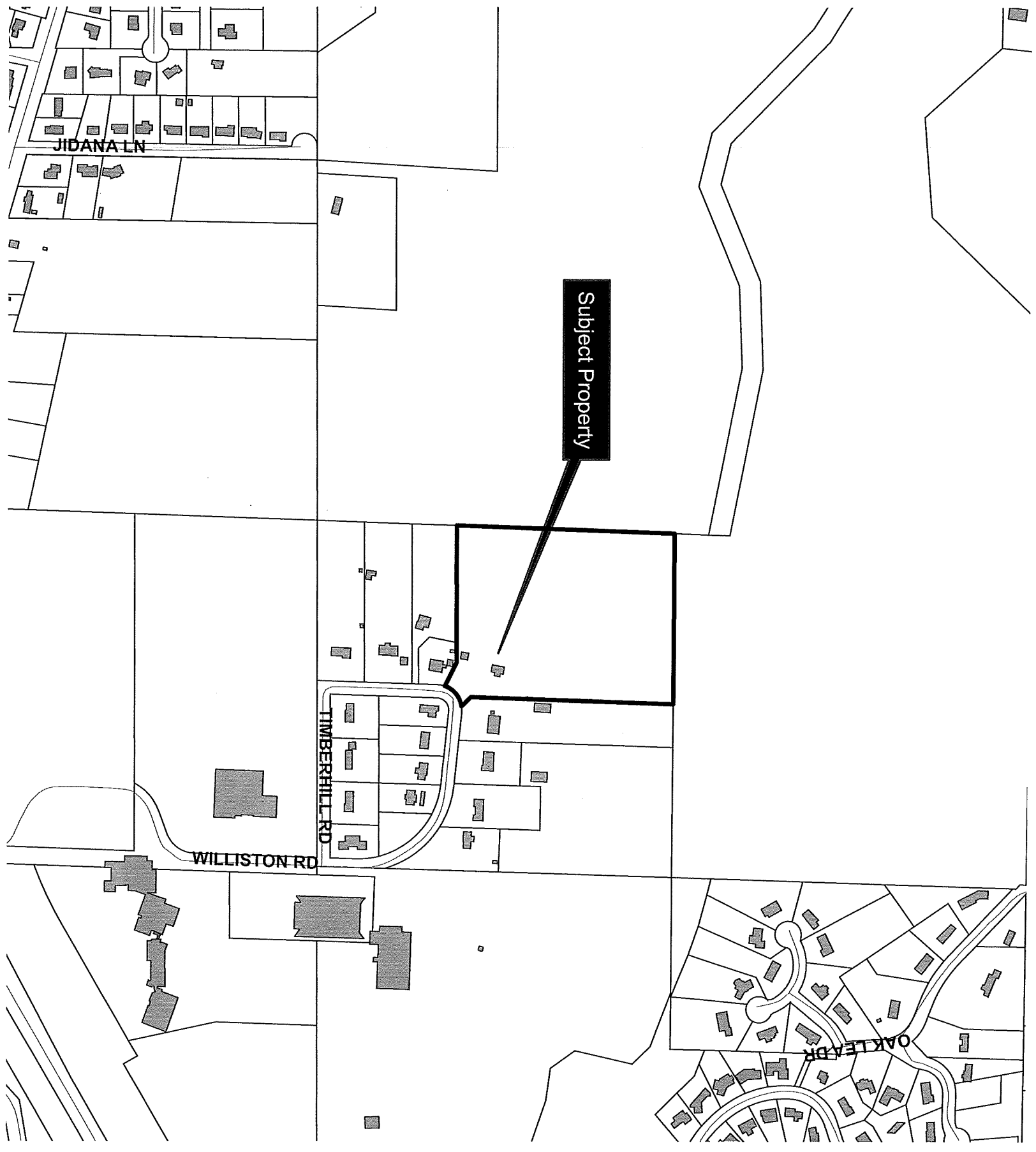
The proposed construction of the 4-lot subdivision triggers the Wetland Protection Rule. The proposed project has met all criteria of the Wetland Protection Rule. Staff is recommending approval of the permit application with the conditions listed above.

Attachments:

1. Site Location
2. Site Plan
3. MCWD Permit application

Tom Dietrich

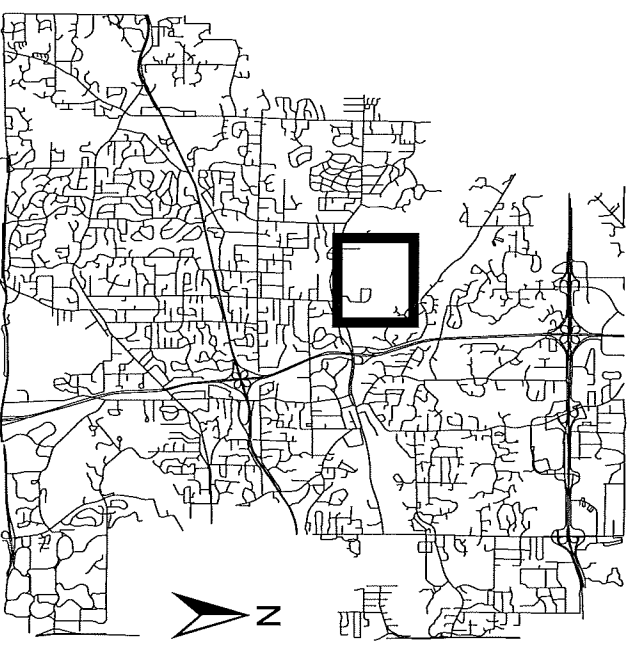
Date: 9/25/14



LOCATION MAP

Project: Minnehaha Vista
Applicant: Minnehaha Vista LLC
Address: 14834 Timberhill Road
(10046.12a)

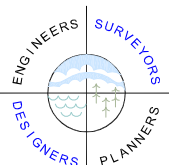
CITY OF
MINNETONKA



This map is for illustrative purposes only.

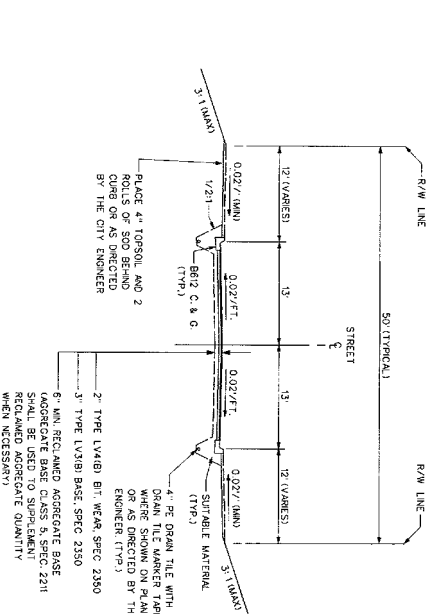
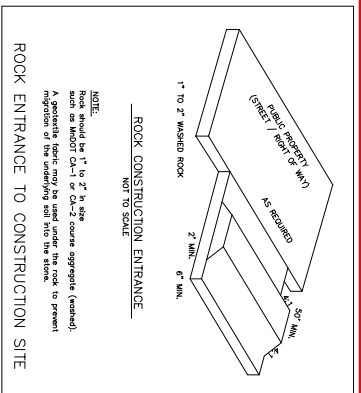
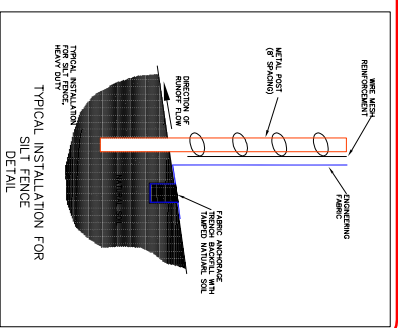
REVISIONS	BY
CITY COMMENTS	DSG
CONSTRUCTION PLANS	DSG
CASTING CHANGE	DSG
GRAVING REVISION	DSG
ADDED POWER POLES	DSG
REVISED BUFFERS TO 40' FOR MANAGE 1	DSG
ADDED WETLAND BUFFERS	DSG
ADDED BUFFER AREA	DSG

SATHRE-BERGQUIST, INC.
150 SOUTH BROADWAY WAYZATA, MN. 55391 (952) 476-6000



GRADING, DRAINAGE, AND EROSION CONTROL PLAN
MINNEHAHA VISTA
PREPARED FOR
Minnehaha Vista LLC
14834TIMBERHILL ROAD
MINNETONKA, MN

DRAWN	DLS
CHECKED	DLS
DATE	1-24-2014
SCALE	AS SHOWN
JOB NO.	20085-001
FILE:	BASE.MVDWG
SHEET	4
OF	7



CONSTRUCTION NOTES

1. INSTALL SILT FENCE AS SHOWN ON PLAN AS REQUIRED BY THE CITY OF MINNETONKA OR DIRECTED BY THE ENGINEER.
2. THE WATER QUALITY POND MUST BE EXCAVATED AT THE BEGINNING OF GRADING OPERATIONS TO PROVIDE TEMPORARY STORAGE WITH THE CONSIDERING CONSTRUCTION SAND AND SILT MUST BE REMOVED FROM THE POND AS NECESSARY DURING CONSTRUCTION AND AT THE COMPLETION OF THE PROJECT.
3. BEGIN GRADING, INSTALL PERFORATED RISER PIPES IN PONDS WHEN POND GRADING IS COMPLETE. TEMPORARY DRAINAGE PIPE SHALL BE USED FOR INTERIM DRAINAGE DURING THE CONSTRUCTION PERIOD AS NECESSARY AND DIRECTED BY THE ENGINEER. INSTALL SILT FENCE AROUND EXCAVATED PONDS.
4. INSPECT POND SILT FENCE AND ROCK ENTRANCE BERM AFTER ALL RAINFALL EVENTS AS REQUIRED BY THE MPDES PERMIT.
5. DRIVEWAY SLOPES.
6. POND 2011, BENCH (LEED) THEN 41.1 AND 41.2. PROPOSED GRASS AND EROSION CONTROL UNTIL PERMANENT GRASS IS ESTABLISHED. PERMANENT GRASS SHALL BE MAINTAINED UNTIL PERMANENT PROPERTIES ARE USED. EROSION CONTROL MUST REMAIN UNTIL ALL ADJACENT PROPERTIES ARE USED.
7. PERMANENT GRASS TO BE MAINTAINED UNTIL ALL ADJACENT PROPERTIES ARE USED.
8. RESTORATION 2.5 ACRES
9. RESTORE ALL DISTURBED AREAS WITH 4" TO 6" OF TOPSOIL, OR EXISTING ON-SITE BROWN PINE, CEDARS AND DECIDUOUS TREES WITHIN 100 TO 300 FEET OF EXISTING ON-SITE AT A RATE OF 100 LBS. ACRES AND FERTILIZE WITH 20-10-10 AT 100 LBS. ACRES.
10. SEED ALL OTHER DISTURBED AREAS WITH WAMPOI 250 AND BAWER SEED MIX FOR WETLANDS AT RATES OF 100 LBS. ACRES AND FERTILIZE WITH 20-10-10 AT 100 LBS. ACRES.
11. MULCH WITH TYPE 1 AT A RATE OF 2 TONS/ACRE AND DISC ANCHOR IMMEDIATELY.
12. PLACE APPROVED STORM SEWER INLET PROTECTION IN CONFORMANCE WITH ALL CITY DETAILS SIZE & SPEC. FOR APPROVED REVISED. REFER TO CONSTRUCTION DETAILS FOR APPROVED REVISED.
13. RESTORATION WORK WILL BE COMPLETED WITHIN 72 HOURS OF GRADING COMPLETION.
14. SILT FENCE INSTALLED WITH STEEL POSTS ALONG SLOPE NEAR WETLAND AND NEAR EASTERN NEIGHBORING TREES.
15. BEFORE GRADING - 1.650 LF AFTER GRADING - 1.90 LF
16. WOODPILER BLANKET - 450 SY
17. INLET PROTECTION SHALL BE INSTALLED ON THE TWO STORM MANHOLES ADJACENT TO SITE AND ON INLETS ONCE INSTALLED WITH A PERFORATED BELOW THE GRADE MANHOLE PIPES TO STORMWATER.

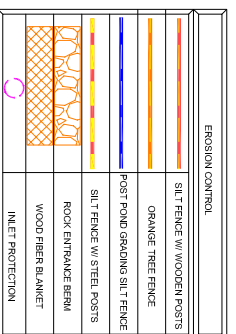
GENERAL NOTES

1. PONDING (STORMWATER QUALITY AND QUANTITY CONTROL) FOR THIS PROPERTY HAS ALREADY BEEN PROVIDED AND WAS INCLUDED IN THE DESIGN CALCULATIONS FOR FIELD MEADOWS, ADDITIONAL REAR YARD INFILTRATION AREAS WILL BE CONSTRUCTED TO MEET WATERSHED INFILTRATION REQUIREMENTS.
2. THE GRADING CONTRACTOR IS RESPONSIBLE FOR ALL STORM WATER INSPECTIONS ACCORDING TO THE MPCA STORM WATER PERMIT. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COPY OF THE PERMIT TO THE ENGINEER AND DEVELOPER ON A WEEKLY BASIS.
3. THE CONTRACTOR SHALL PLACE INLET PROTECTION DEVICES IN ACCORDANCE WITH THE CITY OF MINNETONKA DETAIL PLATES FOR ALL STORM SEWER INLETS AND MAINTAIN THEM AS AN EFFECTIVE SILT CONTROL DEVICE. INLET PROTECTION SHALL BE REMOVED WHEN RESTORATION HAS BEEN ESTABLISHED.
4. ALL RETAINING WALLS WILL REQUIRE A STRUCTURAL DESIGN A BUILDING PERMIT & A FINAL INSPECTION REPORT.
5. A 1" x 2" CRUSHED ROCK ENTRANCE BERM SHALL BE PLACED AT THE SITE ENTRANCE. TO REPLACE SILT FENCE, AND MINIMIZE EROSION ON TO THE STREETS. THE ROCK BERMS SHALL BE THE WIDTH OF THE ENTRANCE AND 2 FEET HIGH WITH 4:1 SLOPES. (SEE DETAIL)
6. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE BUILDING PAD AND STREET AREAS THROUGHOUT CONSTRUCTION.
7. THE CONTRACTOR SHALL ATTEMPT TO PREVENT SOIL MATERIALS FROM LEAVING THE SITE BY EROSION AND VEHICLE WHEEL TRACKING. HE SHALL BE RESPONSIBLE FOR CLEANING OF STREET, SOULYARD AND UTILITY FACILITIES CONSTRUCTION DEBRIS OR MATERIAL.
8. EXISTING UTILITIES SHOWN ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY AND ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES ARISING OUT OF HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.
9. BUILDING PADS ARE 60" DEEP. UNLESS OTHERWISE NOTED, THE FRONT AND REAR BUILDING PAD LINES ARE SHOWN ON THE PLAN. THE ENGINEER SHOULD BE CONTACTED IF THE CONTRACTOR HAS ANY QUESTIONS REGARDING BUILDING PADS.
10. BUFFER AREA
 1. EXISTING BUFFER AREA 40' - 39,620 SF
 2. PROPOSED BUFFER AREA WITH AVERAGING-9,950 SF

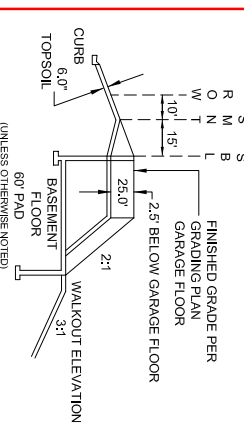
1. INITIAL EXCAVATION OF THE INFILTRATION AREA SHALL BE DIG 2' BELOW THE FINISHED FINAL GRADE.
2. THE INFILTRATION SOIL WITHIN THE INFILTRATION SHELVEES WILL BE INSTALLED AFTER THE STORM SEWER OULDER CONTROL STRUCTURE IS INSTALLED.
3. TO PREVENT SOIL COMPACTION, HEAVY EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE INFILTRATION SHELVEES AT ANY TIME.
4. THE BOTTOM OF THE INFILTRATION SHELVEES SHALL BE A MINIMUM OF 12" PRIOR TO PLACING THE INFILTRATION SOIL.
5. RELATIVELY LIGHT EQUIPMENT WITH TRACKS SHALL BE USED TO EXCAVATE THE INFILTRATION SHELVEES IMMEDIATELY UPON COMPLETION OF GRADING THE INFILTRATION SHELVEES.
6. INSTALLED PER THE PLAN TO ESTABLISH PERIMETER CONTROL.
7. THE INFILTRATION SOIL WITHIN THE SHELVEES WILL BE 2' DEEP WITH A 6" DRAINAGE RAISED ONE FOOT ABOVE THE BASE OF THE INFILTRATION SOIL. THE DRAINAGE SHALL BE PERFORATED WITHOUT A SOCK AND ENCASED WITH 3/4" CLEAR ROCK WITH FILTER FABRIC AROUND THE ROCK. (SEE DETAIL) and 3890.28 (Compost, Grade 2).
8. The infiltration soil recommended by MNDOT of 3149.21 (fine filter sand aggregate)
9. The mix for the infiltration shelvees should be 25% compost and 75% sand.
 - 42 CY Compost
 - 126 CY Sand (on site sand can be used if passes test)
10. Minnesota Mulch & Soil can supply and deliver this soil premixed. (651) 330-0299

FILTRATION SHELVEE NOTES:

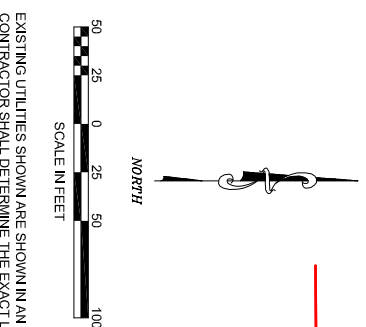
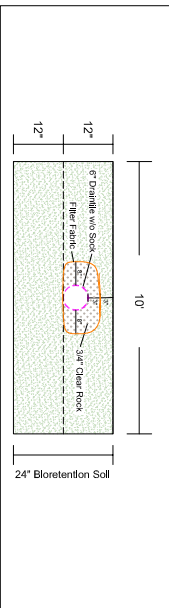
1. Initial excavation of the infiltration area shall be dig 2' below the finished final grade.
2. The infiltration soil within the filtration shelvees will be installed after the storm sewer outlier control structure is installed.
3. To prevent soil compaction, heavy equipment shall not be allowed within the filtration shelvees at any time.
4. The bottom of the infiltration shelvees shall be a minimum of 12" prior to placing the infiltration soil.
5. Relatively light equipment with tracks shall be used to excavate the filtration shelvees immediately upon completion of grading the infiltration shelvees.
6. Installed per the plan to establish perimeter control.
7. The infiltration soil within the shelvees will be 2' deep with a 6" drainage raised one foot above the base of the infiltration soil. The drainage shall be perforated without a sock and encased with 3/4" clear rock with filter fabric around the rock. (See Detail) and 3890.28 (Compost, Grade 2).
8. The infiltration soil recommended by MNDOT of 3149.21 (fine filter sand aggregate)
9. The mix for the infiltration shelvees should be 25% compost and 75% sand.
 - 42 CY Compost
 - 126 CY Sand (on site sand can be used if passes test)
10. Minnesota Mulch & Soil can supply and deliver this soil premixed. (651) 330-0299



HOLDDOWN DETAILS



TYPICAL SECTION - FILTRATION BASIN



EXISTING UTILITIES SHOWN ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY AND ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES ARISING OUT OF HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.

I HEREBY CERTIFY THAT THIS PLAN OR SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David J. Sathre
DATE 05-11-2012 REG. NO. 28147

14-385

WATER RESOURCE PERMIT APPLICATION FORM

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

Keep a copy for your records.

YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

1. Name of each property owner: Minnehaha Vista, LLC Attn: Brian Friese
Mailing Address: 5523 Wingwood Court City: Minnetonka State: MN Zip: 55345
Email Address: bfriese21@gmail.com Phone: 612-280-4447 Fax:

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...)
Business Name: Sathre-Bergquist Representative Name: Dan Schmidt
Business Address: 150 South Broadway City: Wayzata State: MN Zip: 55391
Email Address: schmidt@sathre.com Phone: 612-741-9830 Fax: 612-741-0104

3. Project Address: 14834 Timberhill Road City: Minnetonka
State: MN Zip: 55317 Qtr Section(s): Section(s): 16 Township(s): 117 Range(s): 22
Lot: Tract E Block: Subdivision: Registered Land Survey 0673 PID: 1611722130006

4. Size of project parcel (square feet or acres): 3.25 acres
Area of disturbance (square feet): 2.5 acres Volume of excavation/fill (cubic yards): 8,000 cy
Area of existing impervious surface: 0.25 acres Area of proposed impervious surface: 0.75
Length of shoreline affected (feet): 0 Waterbody (& bay if applicable): Minnehaha Creek

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

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

7. NPDES/SDS General Stormwater Permit Number (if applicable): C00037525

8. Waterbody receiving runoff from site: Minnehaha Creek

9. Project Timeline: Start Date: 9-03-2014 Completion Date: 9-03-2015

Permits have been applied for: City [x] County [x] MN Pollution Control Agency [x] DNR [] COE []
Permits have been received: City [x] County [x] MN Pollution Control Agency [x] 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.

Signature of Each Property Owner: [Handwritten Signature] Eng. on behalf of Brian Friese Date: 8-19-2014

