

Information for File # 2008-05637-MMJ; Woodland Cove Residential Development, North Gully Rehabilitation Project

Applicant: Woodland Cove Master Association

Corps Contact: Melissa Jenny

Address: 180 East Fifth Street, Suite 700, St. Paul, Minnesota 55101

E-Mail: Melissa.m.jenny@usace.army.mil

Phone: (651) 290-5363

Primary County: Hennepin

Section: 27

Township: 117

Range: 24

Information Complete On: 4/27/2016

Posting Expires On: 5/6/2016

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link: <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

PROJECT BACKGROUND, DESCRIPTION AND PURPOSE:

The proposed North Gully Rehabilitation Project is located within the Woodland Cove Residential Development, in the City of Minnetrista. Wetland fill associated with the Woodland Cove Residential Development, including 0.40 acre of permanent fill and 0.10 acre of temporary fill, was previously authorized under one of our regional general permits (RGP-003-MN) on December 13, 2012. The development was specifically authorized under RGP-003-MN, Category O. Residential, Commercial, Agricultural and Institutional Developments (Category O.).

The Woodland Cove Master Association recently submitted a permit application for the abovementioned North Gully Rehabilitation Project, requesting authorization for the discharge of fill material into an additional approximately 0.49 acre of wet meadow type wetland adjacent to Lake Minnetonka.

With this additional work, the Woodland Cove Residential Development would result in the total discharge of fill material into approximately 0.99 acre of wetland, which exceeds the half-acre aggregate impact threshold in Category O., making this additional work in-eligible for authorization under RGP-003-MN. The project must now be authorized with a Department of the Army Letter of Permission (LOP-05-MN), requiring issuance of this internet posting.

The purpose of the North Gully Rehabilitation Project is to stabilize and rehabilitate an erosional gully that has developed through a wetland adjacent to Lake Minnetonka. The project involves the installation of a series of check dams and detention ponds within the gully to detain water and dissipate energy, reducing the potential for future erosion and sediment loading into the lake.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The North Gully Rehabilitation Project would require excavation and grading activities in a wet meadow type wetland resulting in the discharge of fill material into approximately 0.46 acre of wet meadow type wetland, and installation of the check dams would result in the discharge of fill material into approximately 0.08 acre of the existing gully feature.

ALTERNATIVES CONSIDERED: The applicant considered the no build alternative. However, if they did not complete stabilization work in this area the gully would continue to erode, resulting in sediment loading directly into Lake Minnetonka. The applicant also considered hard armoring the entire gully feature, and adjacent wetland, to prevent future erosion, but instead decided to pursue the proposed softer engineering techniques in order to minimize adverse impacts waters of the U.S.

COMPENSATORY MITIGATION: The applicant has not proposed compensatory mitigation for this project. The proposed gully rehabilitation work is intended to improve aquatic resources located within and downstream of the project area, and would not result in a loss of wetland functions or services.

Drawings: See enclosed, labeled as 2008-05637-MMJ, Figures 1 - 3.



Figure 1 - Site Location

   **Woodlawn (KES 2008-065)**
Minnetrista, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

KJOLHAUG ENVIRONMENTAL SERVICES COMPANY
Source: ESRI Streets Basemap

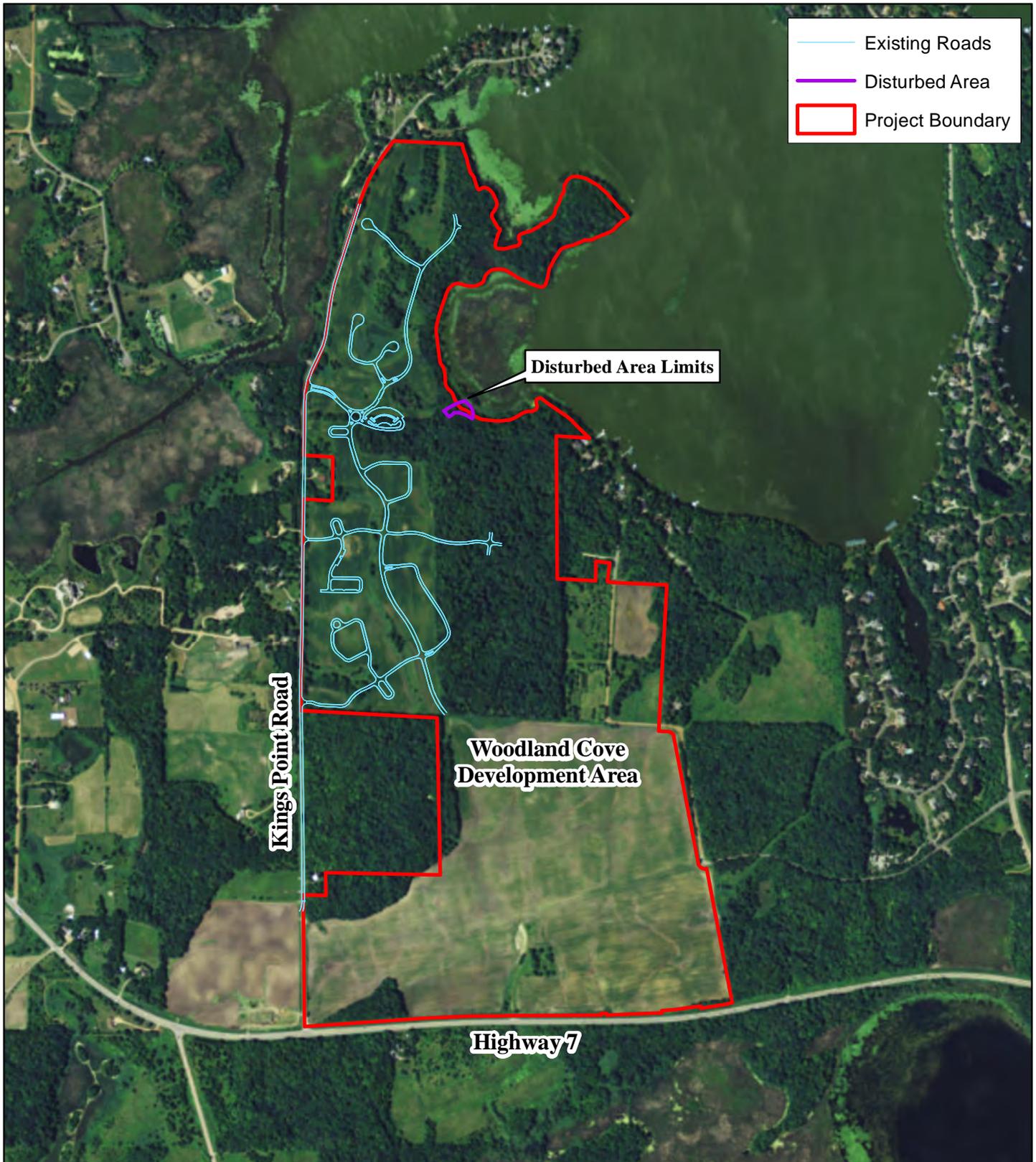
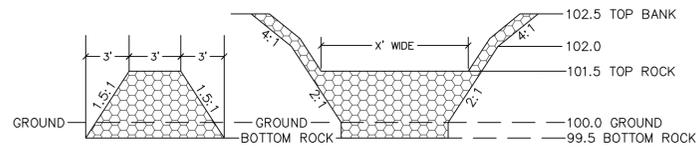


Figure 2 - Disturbed Area Location

	<p>N ↑</p>	<p>0 1,250 ----- Feet</p>	<p>Woodlawn (KES 2008-065) Minnetrista, Minnesota</p> <p>Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.</p>
<p>KJOLHAUG ENVIRONMENTAL SERVICES COMPANY Source: ESRI Streets Basemap</p>			



FIELD STONE CHECK DAMS - CLASS 2

WETLAND CALCULATIONS

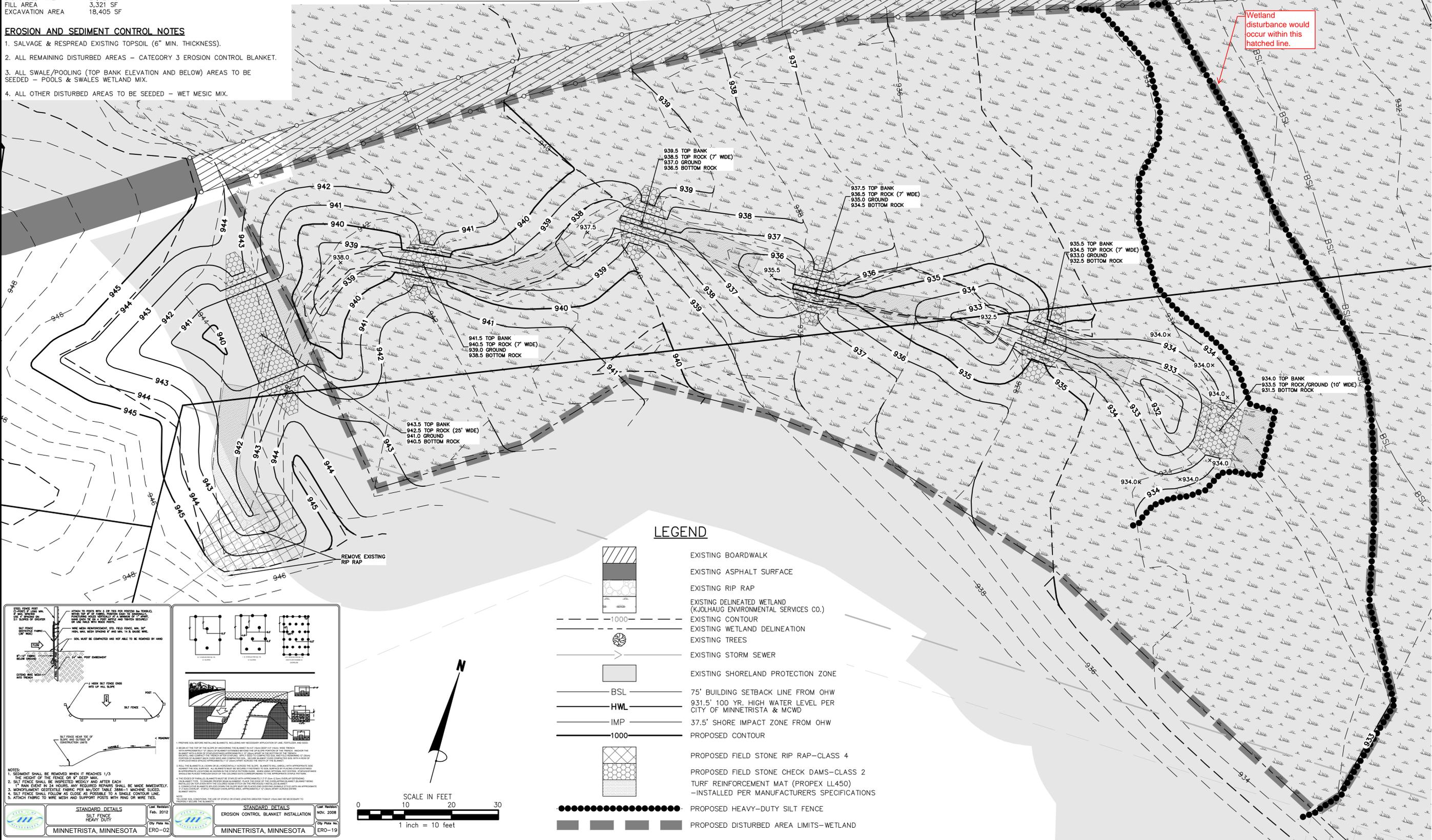
DISTURBED AREA 21,726 SF
 FILL AREA 3,321 SF
 EXCAVATION AREA 18,405 SF

EROSION AND SEDIMENT CONTROL NOTES

1. SALVAGE & RESPREAD EXISTING TOPSOIL (6" MIN. THICKNESS).
2. ALL REMAINING DISTURBED AREAS - CATEGORY 3 EROSION CONTROL BLANKET.
3. ALL SWALE/POOLING (TOP BANK ELEVATION AND BELOW) AREAS TO BE SEEDED - POOLS & SWALES WETLAND MIX.
4. ALL OTHER DISTURBED AREAS TO BE SEEDED - WET MESIC MIX.

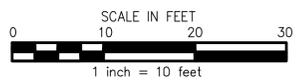
Minnesota Native Landscapes				
Cove Shoreline Pools & Swales Wetland Mix				
Species	Scientific Name	Common Name	% of PLS	Total PLS Sq. Ft.
Grasses:	<i>Chloris subcordata</i>	Blue Joint Grass	10.00	1,000
	<i>Carex pensilvanica</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
	<i>Carex lasiocarpa</i>	Blue Joint Grass	10.00	1,000
Forbs:	<i>Alnus incana</i>	American Water Planet	1.00	100
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000

Minnesota Native Landscapes				
Cove Shoreline Wet Mesic Mix				
Species	Scientific Name	Common Name	% of PLS	Total PLS Sq. Ft.
Grasses:	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
Forbs:	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000
	<i>Andropogon furcatus</i>	Andropogon	10.00	1,000



LEGEND

- EXISTING BOARDWALK
- EXISTING ASPHALT SURFACE
- EXISTING RIP RAP
- EXISTING DELINEATED WETLAND (KJOLHAUG ENVIRONMENTAL SERVICES CO.)
- EXISTING CONTOUR
- EXISTING WETLAND DELINEATION
- EXISTING TREES
- EXISTING STORM SEWER
- EXISTING SHORELAND PROTECTION ZONE
- BSL - 75' BUILDING SETBACK LINE FROM OHW
- HWL - 931.5' 100 YR. HIGH WATER LEVEL PER CITY OF MINNETRISTA & MCWD
- IMP - 37.5' SHORE IMPACT ZONE FROM OHW
- 1000 - PROPOSED CONTOUR
- PROPOSED FIELD STONE RIP RAP-CLASS 4
- PROPOSED FIELD STONE CHECK DAMS-CLASS 2
- TURF REINFORCEMENT MAT (PROPEX LL450) - INSTALLED PER MANUFACTURERS SPECIFICATIONS
- PROPOSED HEAVY-DUTY SILT FENCE
- PROPOSED DISTURBED AREA LIMITS-WETLAND



E:\Civil 3D Projects\22429-NORTH RAVINE.dwg - 4/13/2016 01:31PM

STANDARD DETAILS
SILT FENCE HEAVY DUTY
MINNETRISTA, MINNESOTA

STANDARD DETAILS
EROSION CONTROL BLANKET INSTALLATION
MINNETRISTA, MINNESOTA

NOTES:

1. SEEDMENT SHALL BE REMOVED WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE OR 9" DEEP MAX.
2. SILT FENCE SHALL BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT IN 24 HOURS. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
3. MONUMENTARY GEOTEXTILE FABRIC PER ANY DOT TABLE, USE - 1" MESH SIZES.
4. SILT FENCE SHALL FOLLOW AS CLOSE AS POSSIBLE TO A SINGLE CONTOUR LINE.
5. ATTACH FABRIC TO WIRE MESH AND SUPPORT POSTS WITH RING OR WIRE TIES.

James R. Hill, Inc.
 PLANNERS / ENGINEERS / SURVEYORS
 2500 W. Ctr. Rd. 42, Suite 120, Burnsville, MN 55337
 PHONE: (952)890-6044 FAX: (952)890-6244

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.

[Signature]
 Date: 12/11/15 - Reg. No. 24676

WOODLAND COVE
 MINNETRISTA, MINNESOTA
FINAL GRADING & DRAINAGE PLAN
 FOR
MATTAMY HOMES - MINNESOTA DIVISION
 7201 WASHINGTON AVENUE SOUTH, SUITE 201, EDINA, MN 55439

DRAWN BY
CJK

DATE
12/11/15

REVISIONS

1/11/16 REV. SEED MIXES
1/14/16 DISTURBED AREA
4/13/16 DISTURBED AREA

CAD FILE
22429G-NORTH RAVINE

PROJECT NO.
22429-11

1.1