

## **Information for File MVP-2014-02873-RMM**

**Applicant:** Stony Point Koronis Association(c/o Tom Boyden)

**Corps Contact:** Ryan Malterud

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**E-Mail:** Ryan.M.Malterud@usace.army.mil

**Phone:** (651) 290-5286

**Primary County:** Stearns

**Section:** 34

**Township:** 122 North

**Range:** 32 West

**Information Complete On:** August 29, 2014

**Posting Expires On:** September 15, 2014

**Authorization Type:** LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. Any approved jurisdictional determination made prior to reaching a permit decision will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

**Project Purpose:** The Stony Point Koronis Association is proposing to:

1. Install a 640 foot linear wave break approximately 12 feet waterward of the Ordinary High Water Level (OHWL) to prevent further erosion of the bluff at Peterson Point and help protect the water quality of Lake Koronis and the North Fork of the Crow River.

2. Stabilize 160 linear feet of shoreline approximately 1,600 feet south southwest of the wave break. This area is not a bluff but is also sloughing into the Lake because of wave action.

See MVP-2014-02873-RMM page 1 of 2 and MVP-2014-02873-RMM page 2 of 2

**Project Description:**

1. The wave break would have a 4ft top with 2:1 side slopes. The wave break would be located 12 feet waterward of the OHWL to project a long term stable slope. Other erosion control products may be used to help stabilize the slopes, such as erosion control blankets, hydromulch, and/or sediment logs. No reshaping of the slope is proposed in this location (see MVP-2014-02873-RMM page 3 of 4).
2. As part of the shoreline stabilization, the base of the slope will be stabilized by supplementing rock into existing rock, staking in willow facines, and minimally regrading the slope, located 1,600 feet south of the wave break (see MVP-2014-02873-RMM page 4 of 4).

**Project Background:** The Stearns County Soil and Water Conservation District has received a Clean Water Partnership Grant from the Minnesota Pollution Control Agency (MPCA) to help protect the water quality of Lake Koronis. The Minnesota Department of Natural Resources (MN DNR) has requested the installation of a layer of granular filter material (6 feet wide and 4 inches thick) behind the wave break with 3 feet on the back slope of the wave break and 3 feet on the lake bottom (see MVP-2014-02873-RMM page 3 of 4). The granular filter material is for capturing sediment and for fish spawning habitat.

**Name, Area and Types of Waters (Including Wetlands) Subject to Loss:**

Total permanent wetland impacts to Lake Koronis

1. Water break: 7,040 square feet
2. Shore stabilization: 960 square feet

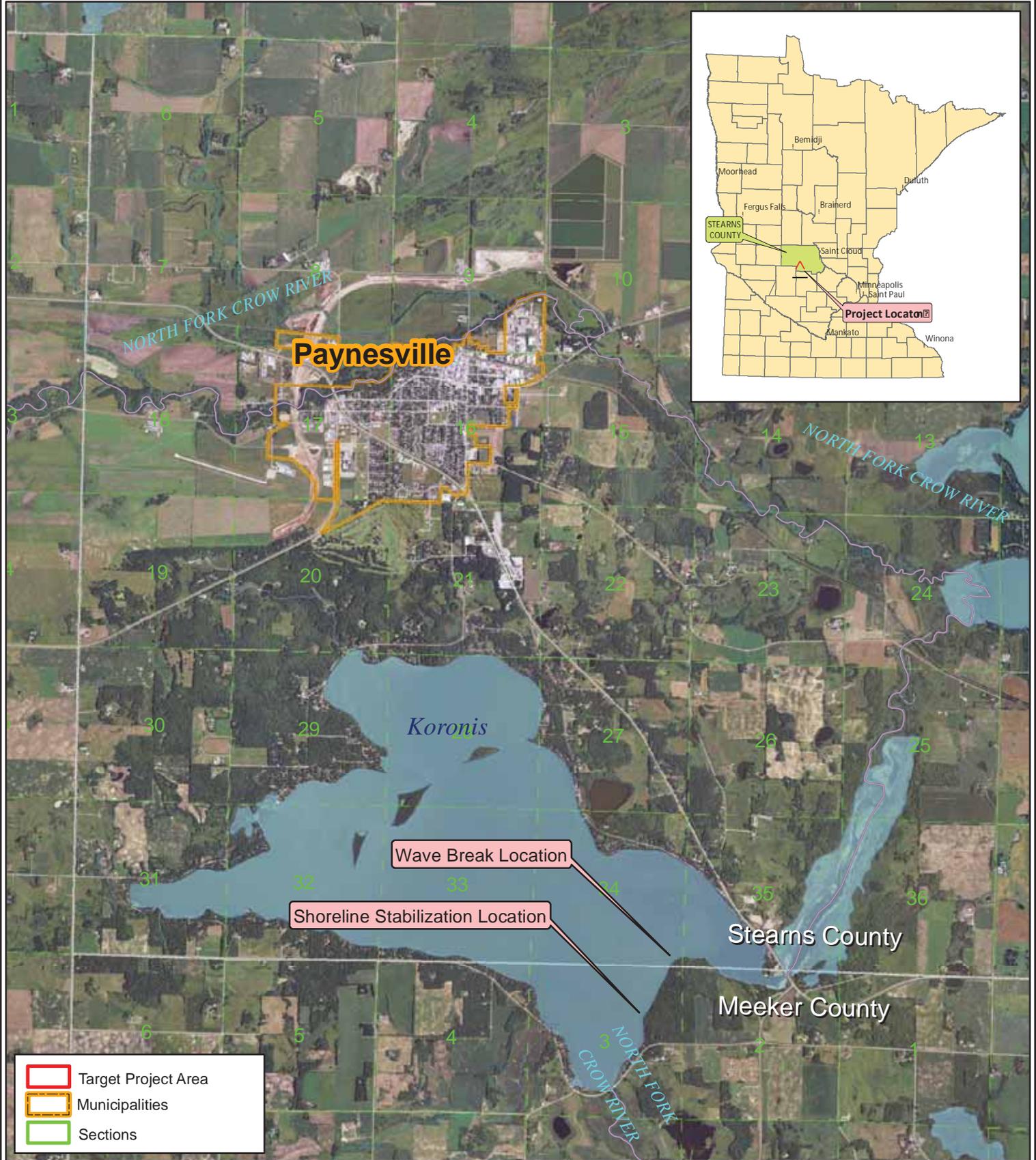
**Compensatory Mitigation:**

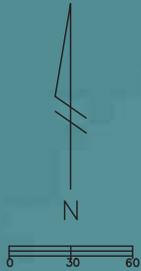
The applicant has not proposed compensatory mitigation for the proposed project. The need for compensatory mitigation will be evaluated in the permit review process.

**Drawings:** See attached maps and construction plans labeled MVP-2014-02873-RMM Page 1 of 4 through page 4 of 4



# Project Locator Map

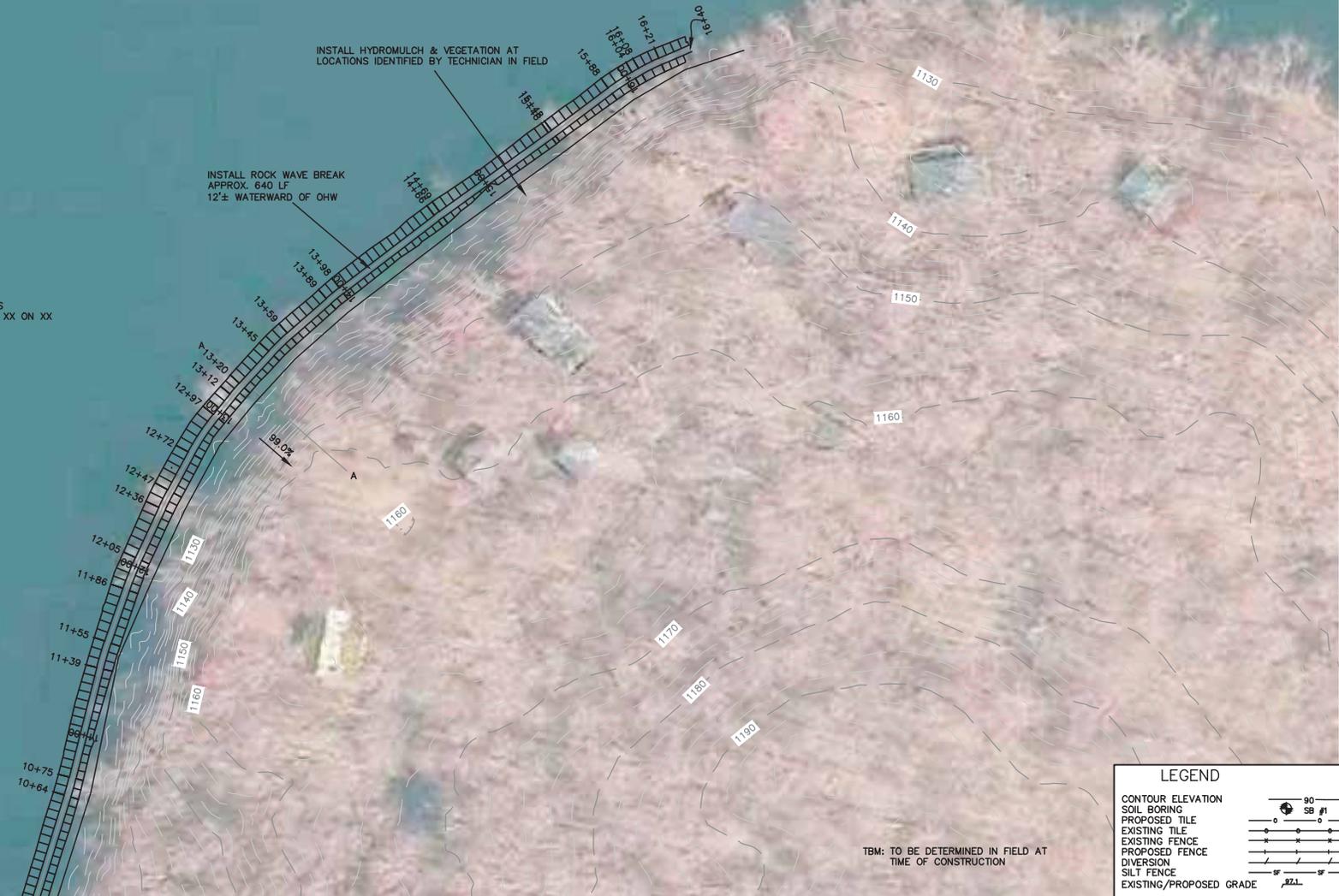




LAKE KORONIS  
WATER LEVEL XX ON XX  
OHW

INSTALL HYDROMULCH & VEGETATION AT  
LOCATIONS IDENTIFIED BY TECHNICIAN IN FIELD

INSTALL ROCK WAVE BREAK  
APPROX. 640 LF  
12'± WATERWARD OF OHW

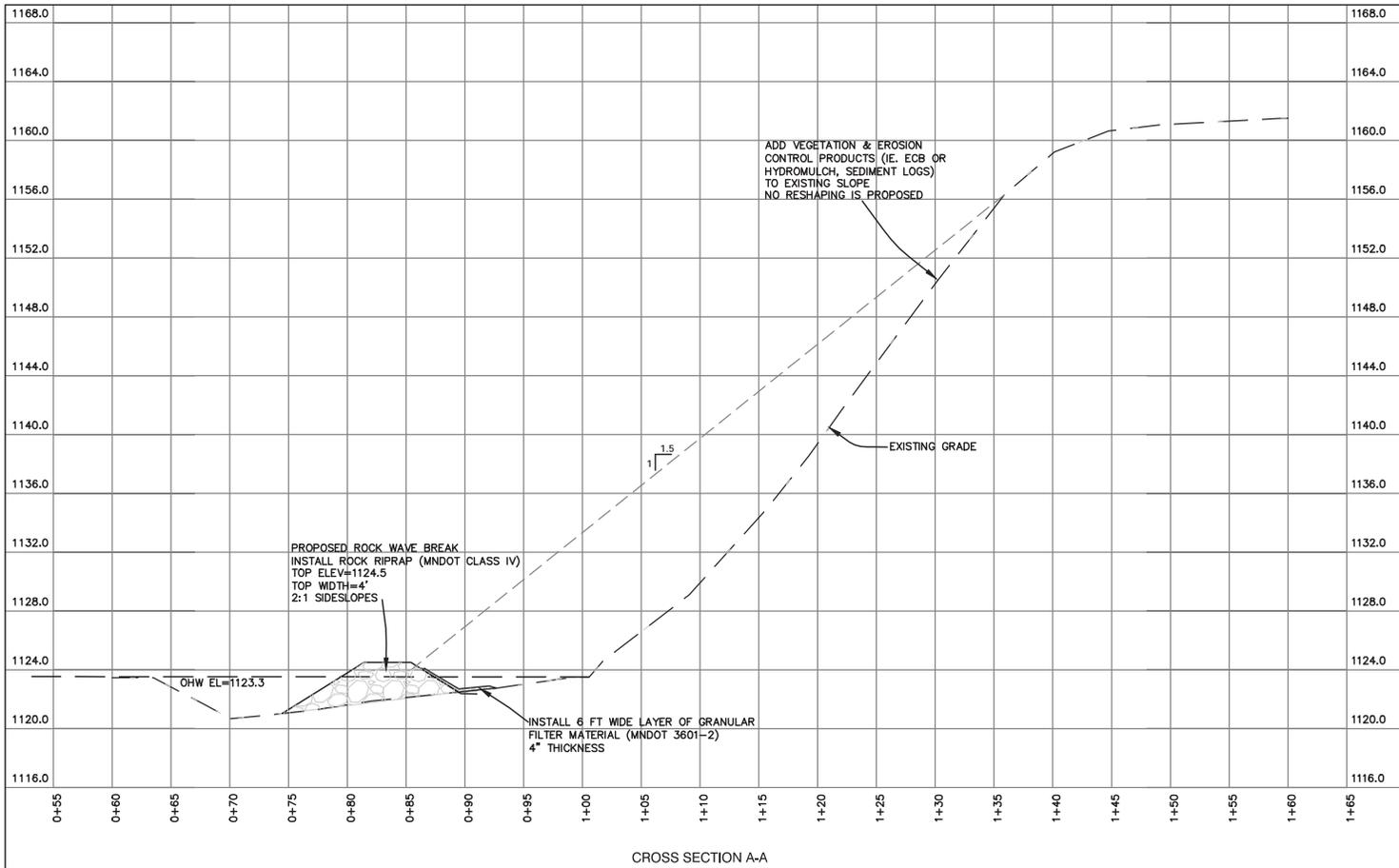


I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY PLAN

ROSS R. REIFFENBERGER DATE: REG. NO. 44201

WEST CENTRAL TECHNICAL SERVICE AREA (WCTSA)		
PETERSON POINT SHORELINE STABILIZATION		
SITE PLAN		
SURVEY: XX	SECTION XX	T. XXX N.
DRAWN: XX	REVISION: XX	R. XX W.
DESIGN: XX	DRAWING FILE: PETERSONPOINT.DWG	STEARNS/MEEKER CO.
CHECKED: XX	PLAN SHEET X OF X	
REVISION: XX		
DATE: XX/XX		



CROSS SECTION A-A

EARTHWORK SYMBOLS:  
 CLASS FILL (A) (B) (C)  
 COMMON EXCAVATION (CE)

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PRELIMINARY PROFILE

ROSS R. REIFFENBERGER DATE: REG. NO. 44201

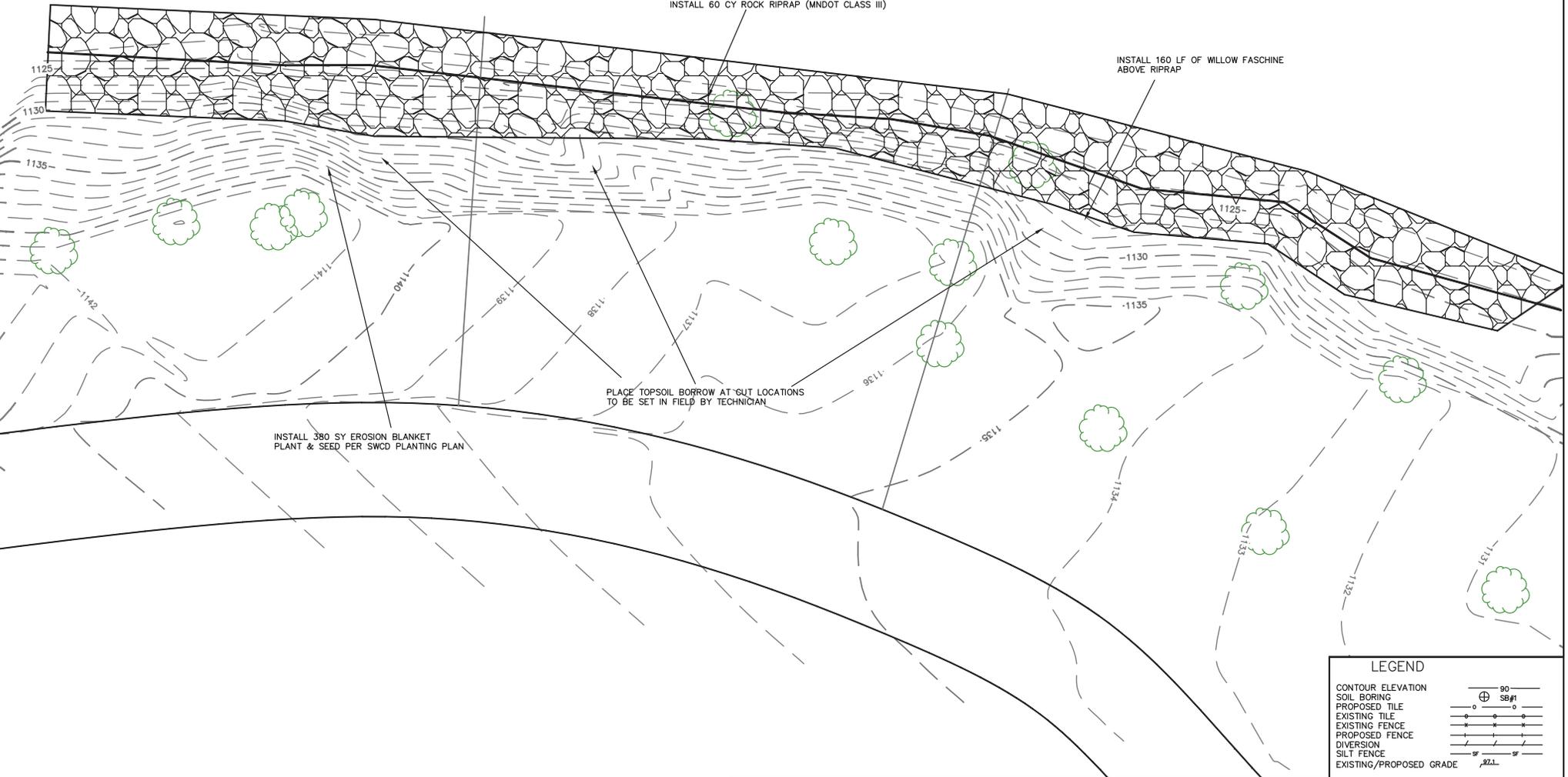
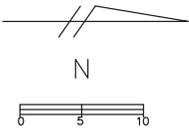
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 REVISIONS: XX

WEST CENTRAL TECHNICAL SERVICE AREA (WCTSA)  
 PETERSON POINT SHORELINE STABILIZATION

SECTIONS & PROFILES

SECTION XX	T. XXX N.	R. XX W.	STEARNS/MEEKER CO.
DRAWING FILE: PETERSONPOINT.DWG		PLAN SHEET X OF X	





INSTALL 60 CY ROCK RIPRAP (MNDOT CLASS III)

INSTALL 160 LF OF WILLOW FASCHINE ABOVE RIPRAP

PLACE TOPSOIL BORROW AT 'SJT' LOCATIONS TO BE SET IN FIELD BY TECHNICIAN

INSTALL 380 SY EROSION BLANKET PLANT & SEED PER SWCD PLANTING PLAN

**LEGEND**

CONTOUR ELEVATION	90
SOIL BORING	SB#1
PROPOSED TILE	—○—○—
EXISTING TILE	—○—○—
EXISTING FENCE	—x—x—
PROPOSED FENCE	—x—x—
DIVERSION	— — —
SILT FENCE	— — —
EXISTING/PROPOSED GRADE	— — —

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PRELIMINARY PLAN  
ROSS R. REIFFENBERGER DATE: REG. NO. 44201

WEST CENTRAL TECHNICAL SERVICE AREA (WCTSA)  
TOM BOYDEN SHORELINE PROTECTION

SITE PLAN