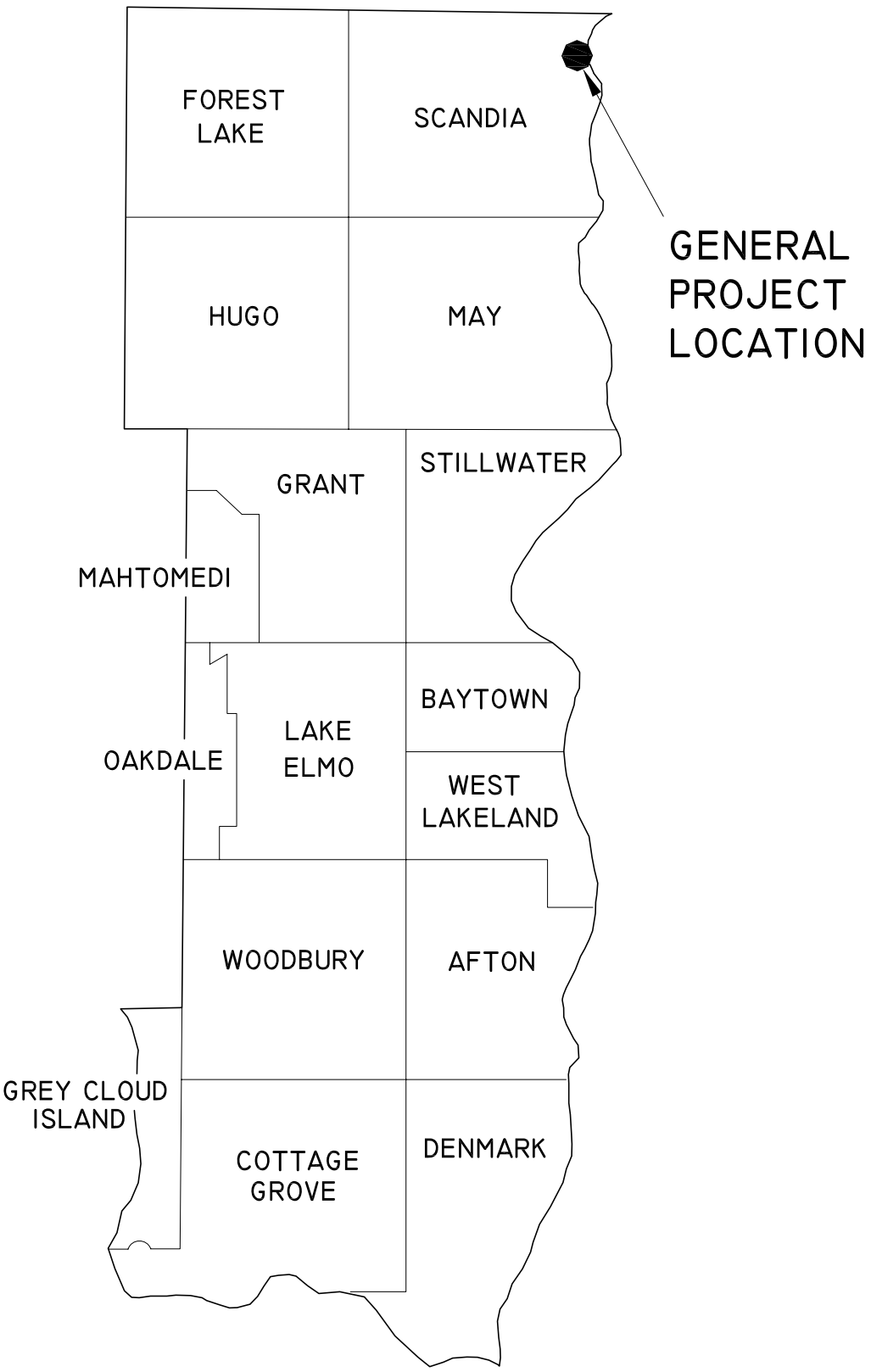


Figure 1 - Washington County General Location Map

EAW 10/27/2008

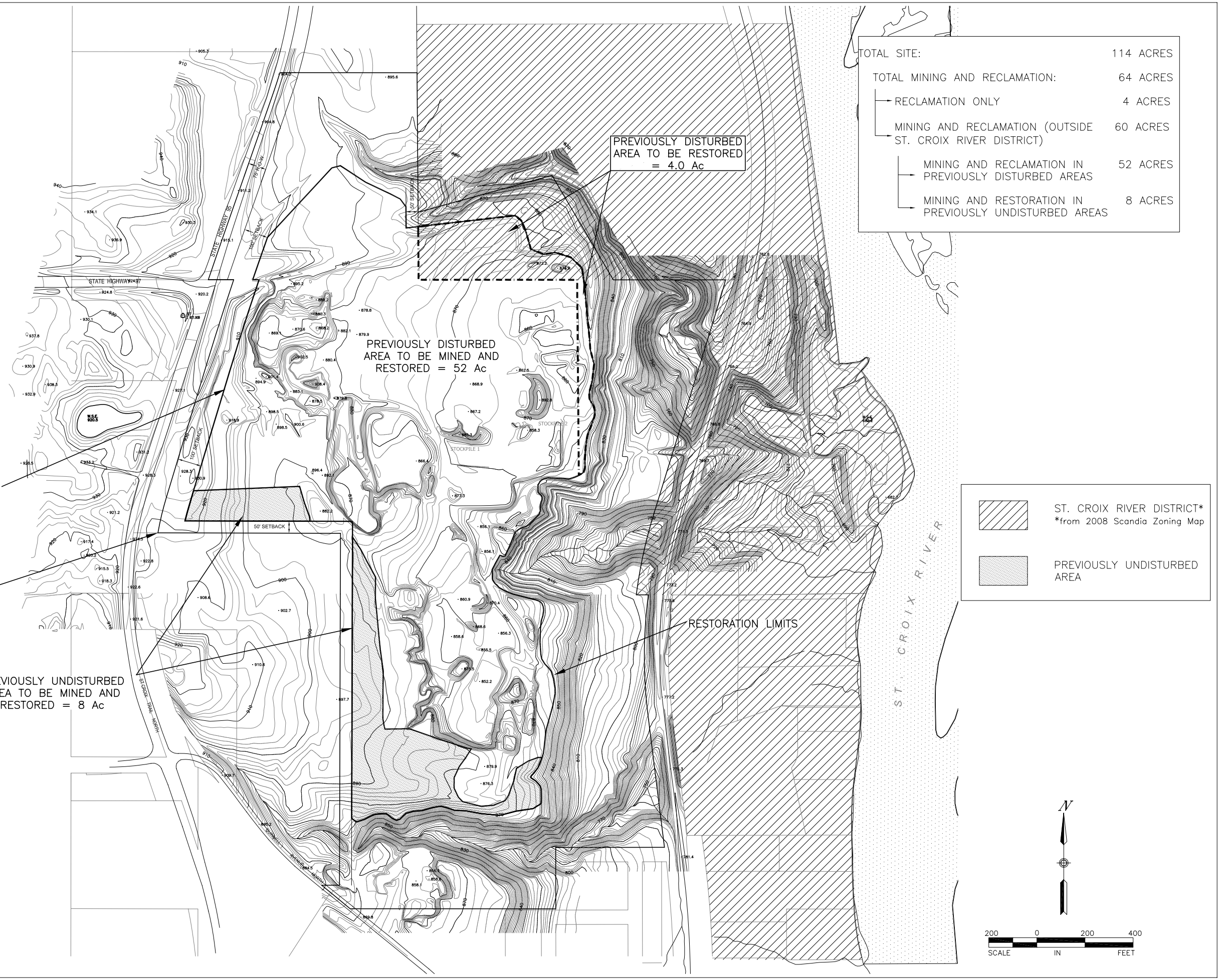
Figure 2 - USGS Quad Map Excerpts

Scandia, MN, WI; Osceola, WI, MN; Marine on St. Croix, MN, WI; Somerset North, WI, MN

N

1" = 2000 FEET

EAW 9/17/2008



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TILLER CORPORATION

ZAVORAL SITE

SCANDIA, MINNESOTA

DATE	REVISION

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.

Kirsten Pauly
DATE: 10/27/2008 REG. NO.: 21842

INFORMATION:

PROJECT NO.:	02-626
DRAWN BY:	JG
CHECKED BY:	KP
APPROVED BY:	KP
SCALE:	Graphic
DATE:	10/27/2008

DESCRIPTION:

PROJECT AND NATURAL FEATURES

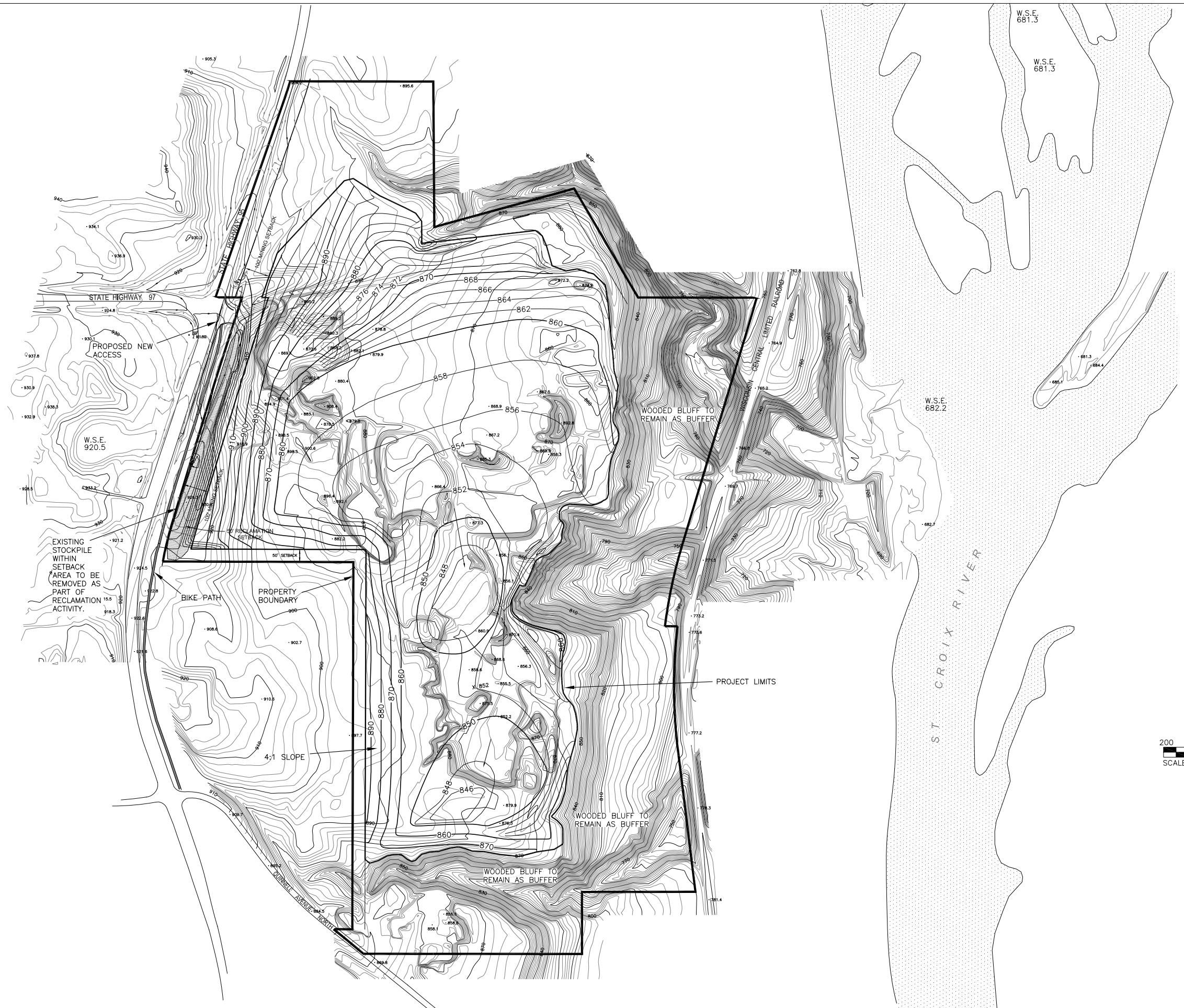
SHEET NO:

FIGURE 3

of

EAW

#02-626 T. , R. , S. DRAWING: \\Kirstenspc\dwgs\Tiller – All\Tiller Zavoral\2008 EAW\EAW Fig 3 – Project and Natural Features.dwg LAYOUT: FIG 3



NOTES:

1. TOPOGRAPHY AND PARCEL INFORMATION FROM WASHINGTON COUNTY. AERIAL PHOTOGRAPHY FROM APRIL 2000. PARCEL INFORMATION CURRENT THROUGH MAY 31, 2008.
2. GRADES REPRESENT PROPOSED MINIMUM RESTORATION GRADES.
3. SETBACKS ARE AS FOLLOWS:
   50' FROM PROPERTY LINE
   100' FROM ROAD RIGHT-OF-WAY.
   RECLAMATION GRADING MAY OCCUR WITHIN 50' OF THE ROAD RIGHT-OF-WAY IF COMPLETED WITHIN ONE MINING SEASON.
4. THE MINING AREA WILL BE RECLAIMED TO APPROXIMATE GRADES ILLUSTRATED ON THIS PLAN. SLOPES WILL BE GRADED TO A MAXIMUM OF 4:1. PRIOR TO PLACING TOPSOIL, THE SOIL WILL BE LOOSENED BY TILLING TO A DEPTH OF AT LEAST 12" IN ORDER TO PROVIDE A WELL AERATED POROUS SURFACE TEXTURE. AFTER LOOSENING THE SUBGRADE, 4" OF LOAMY SOIL SUITABLE AS TOPSOIL WILL BE PLACED OVER GRADED AREAS. THESE AREAS WILL BE SEEDED AND MULCHED TO ESTABLISH VEGETATION.
5. SCREENING BERMS MAY BE REMOVED AS PART OF RECLAMATION WORK.

N

200 0 200 400
SCALE IN FEET

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TILLER CORPORATION

ZAVORAL MINING AND RECLAMATION PROJECT

SCANDIA, MINNESOTA

DATE	REVISION

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Kirsten Pauly
DATE: 10/27/08 REG. NO.: 21842

INFORMATION:

PROJECT NO.: 02-626
DRAWN BY: JG
CHECKED BY: KP
APPROVED BY: KP
SCALE: Graphic
DATE: 1027/08

DESCRIPTION:

RECLAMATION PLAN

SHEET NO:

FIGURE 4

of

EAW

#02-626 T.32 , R.19 , S.18 DRAWING: \\Kirstenspc\dwgs\Tiller - All\Tiller Zavoral\2008 EAW\EAW Fig 4 - Reclamation Plan.dwg LAYOUT: C4 RECLAMATION PLAN XREF: survey

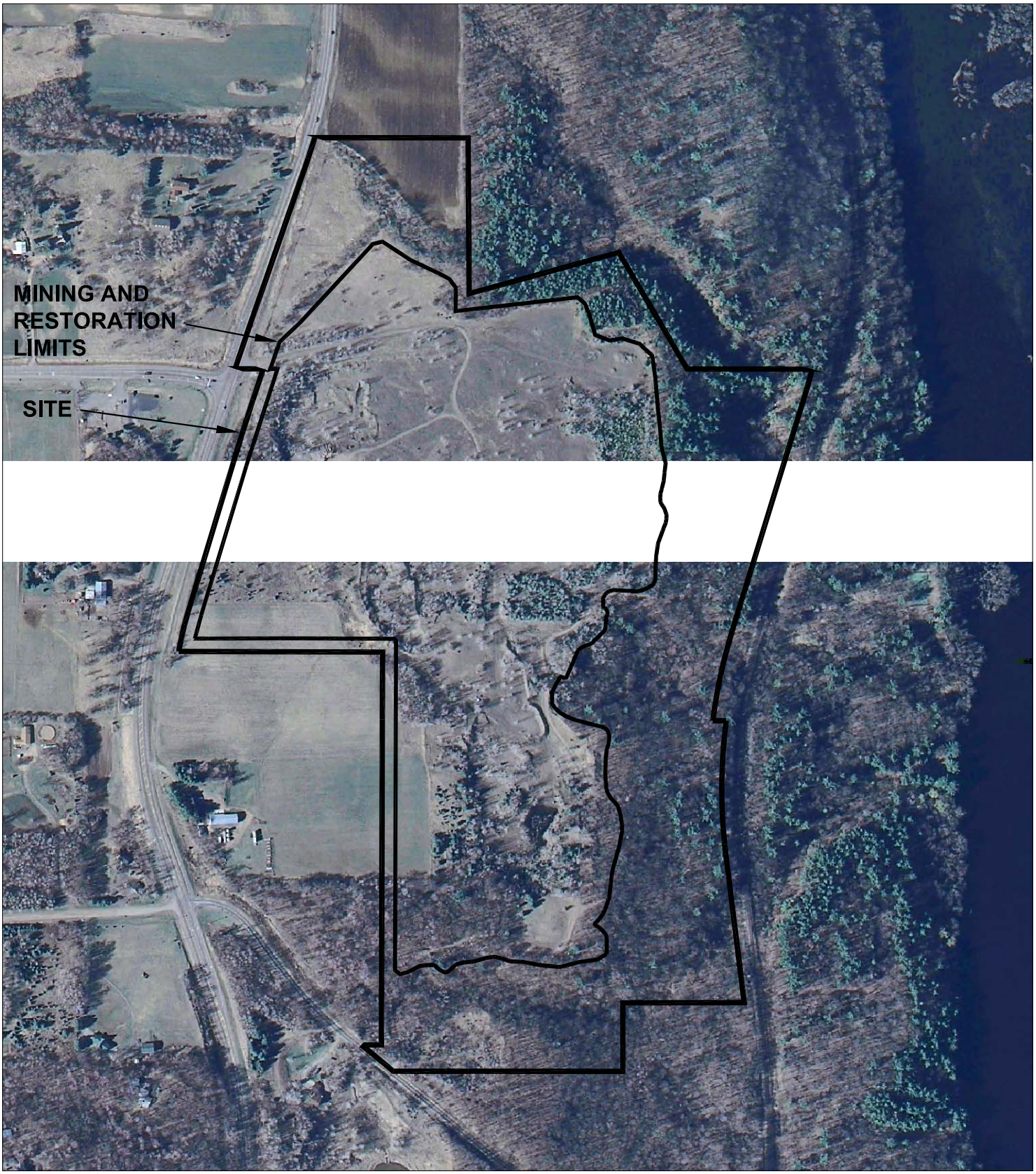

Figure 5 - Aerial Photograph

N

1" = 500 FEET

Figure 6 - NWI Map Excerpts

Scandia and Marine on St. Croix, MN, WI

N

1" = 500 FEET