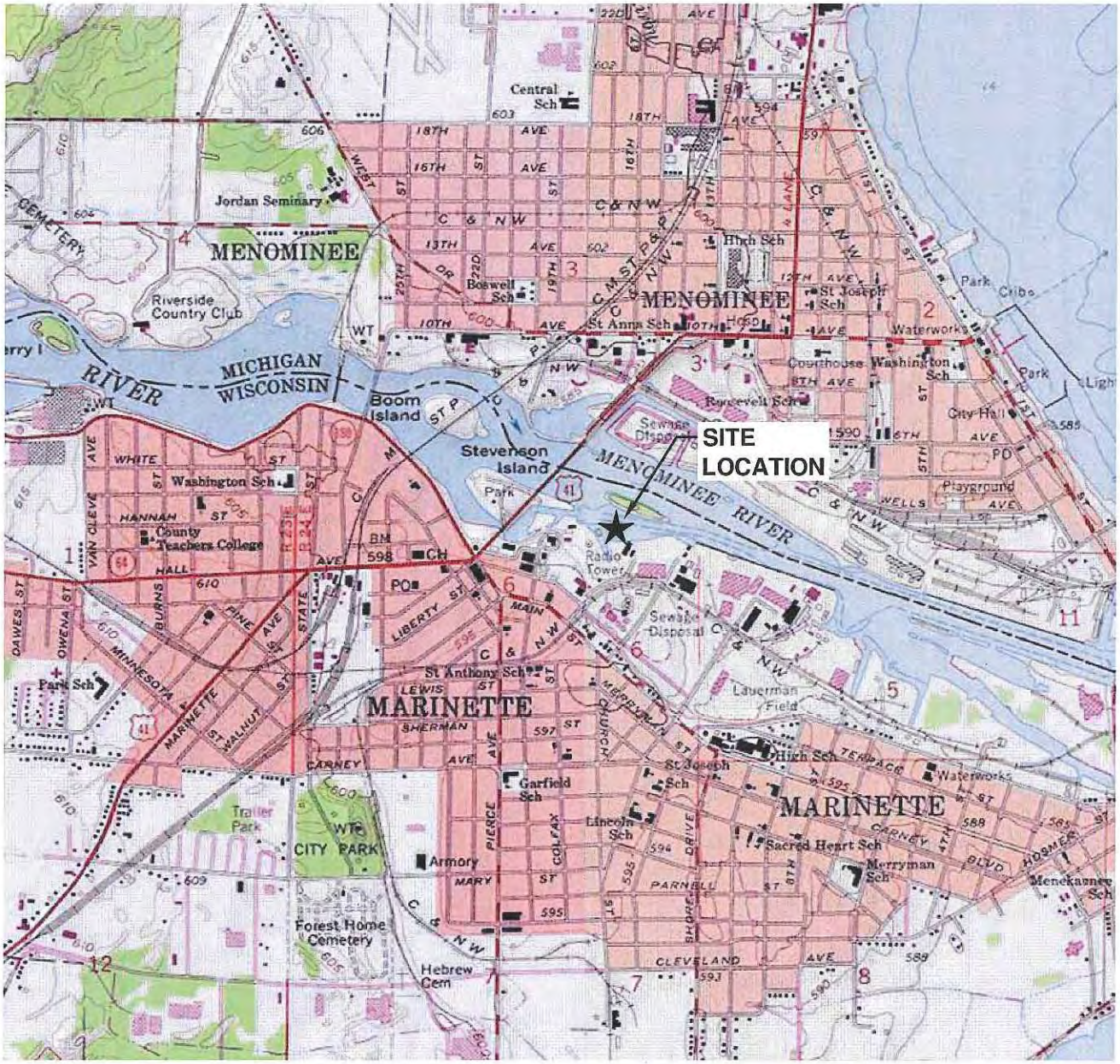
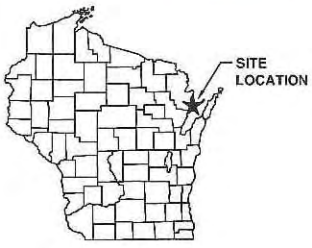
FIGURES



SOURCE NOTES:

1. NATIONAL GEOGRAPHIC TOPO. 1:24,000-SCALE MAPS FOR THE UNITED STATES. THE TOPO! MAPS ARE SEAMLESS, SCANNED IMAGES OF UNITED STATES GEOLOGICAL SURVEY (USGS) PAPER TOPOGRAPHIC MAPS. FOR MORE INFORMATION ON THIS MAP, VISIT US ONLINE AT HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS COPYRIGHT:© 2011 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED
2. COORDINATE SYSTEM IS WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY, US FOOT.



WISCONSIN

N

0 1000 2000

SCALE IN FEET

CONTOUR INTERVAL 10 FEET

NATURAL RESOURCE TECHNOLOGY

SITE LOCATION MAP

NTC SEDIMENT REMOVAL ACTION EE/CA
FORMER MARINETTE MGP SITE
WISCONSIN PUBLIC SERVICE CORPORATION
MARINETTE, WISCONSIN

DRAWN BY: NWD 07/17/12 APP'D BY: EJT DATE: 07/23/12

PROJECT NO. 2098/1.2

DRAWING NO. 2098-12-A01C

FIGURE NO. 1

Jul 23, 2012 9:36am PLOTTED BY: ndraskovich SAVED BY: ndraskovich
Y:\ACADdata\Projects\20\2098\1-2\2098-12-A01C-SITE LOCATION.dwg Layout1
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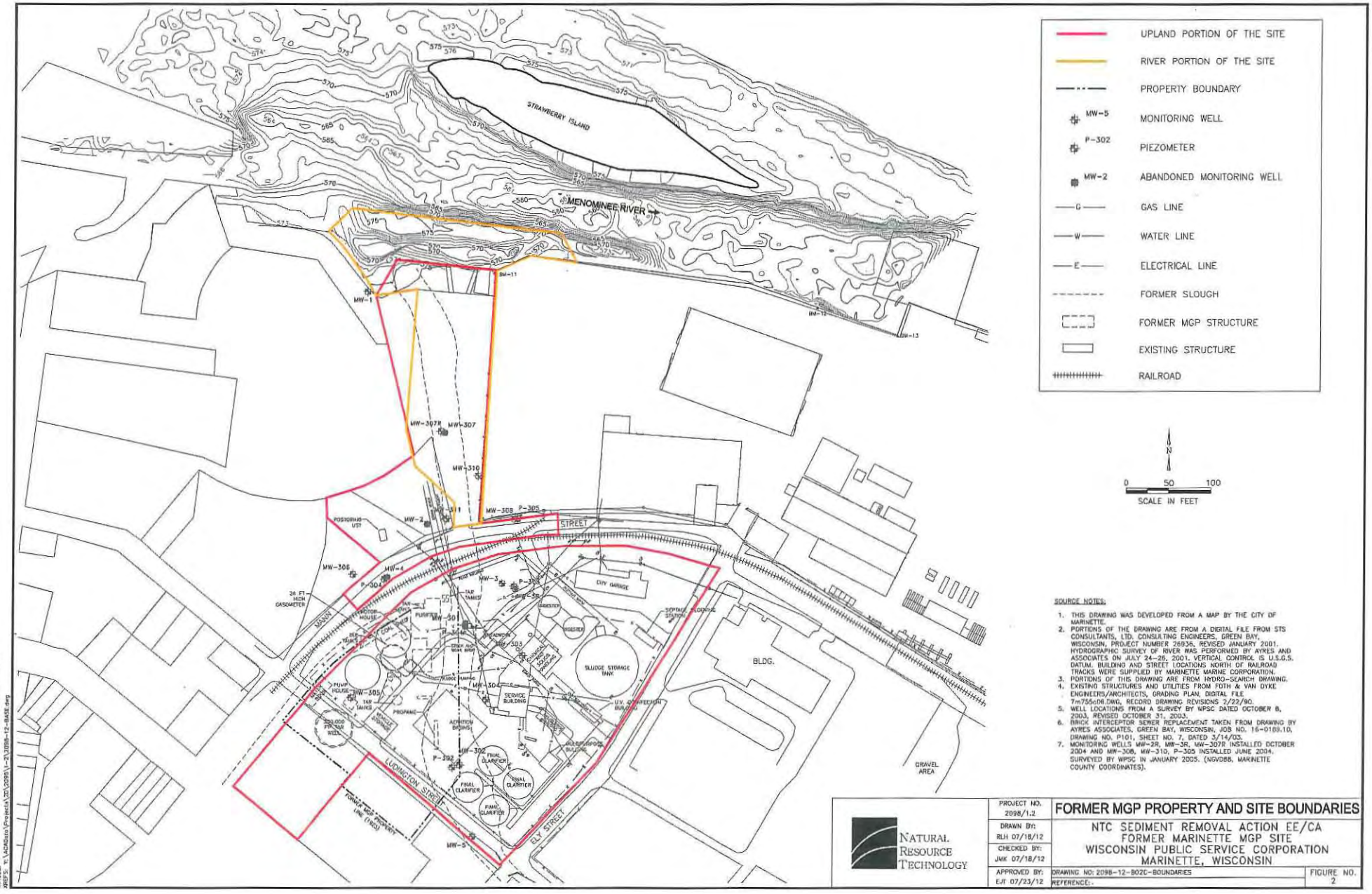

SOURCE NOTES:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE.
2. PORTIONS OF THE DRAWING ARE FROM A DIGITAL FILE FROM STS CONSULTANTS, LTD. CONSULTING ENGINEERS, GREEN BAY, WISCONSIN, PROJECT NUMBER 26936, REVISED JANUARY 2001. HYDROGRAPHIC SURVEY OF RIVER WAS PERFORMED BY AYRES AND ASSOCIATES ON JULY 24–26, 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION.
3. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING.
4. EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m755c08.DWG, RECORD DRAWING REVISIONS 2/22/90.
5. WELL LOCATIONS FROM A SURVEY BY WPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
6. BRICK INTERCEPTOR SEWER REPLACEMENT TAKEN FROM DRAWING BY AYRES ASSOCIATES, GREEN BAY, WISCONSIN, JOB NO. 16-0189.10, DRAWING NO. P101, SHEET NO. 7, DATED 3/14/03.
7. MONITORING WELLS MW-2R, MW-3R, MW-307R INSTALLED OCTOBER 2004 AND MW-308, MW-310, P-305 INSTALLED JUNE 2004. SURVEYED BY WPSC IN JANUARY 2005. (NGVD88, MARINETTE COUNTY COORDINATES).

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 2098/1.2	FORMER MGP PROPERTY AND SITE BOUNDARIES
DRAWN BY: RLH 07/18/12	NTC SEDIMENT REMOVAL ACTION EE/CA FORMER MARINETTE MGP SITE WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
CHECKED BY: JMK 07/18/12	
APPROVED BY: EJT 07/23/12	DRAWING NO: 2098-12-B02C-BOUNDARIES REFERENCE: -
	FIGURE NO. 2

Jul 23, 2012, 9:12am PLOTTED BY: mdraskovich SAVED BY: mdraskovich
Y:\ACAData\Projects\20\2098\1-2\2098-12-B02C-BOUNDARIES.dwg FIG_2
IMAGES:
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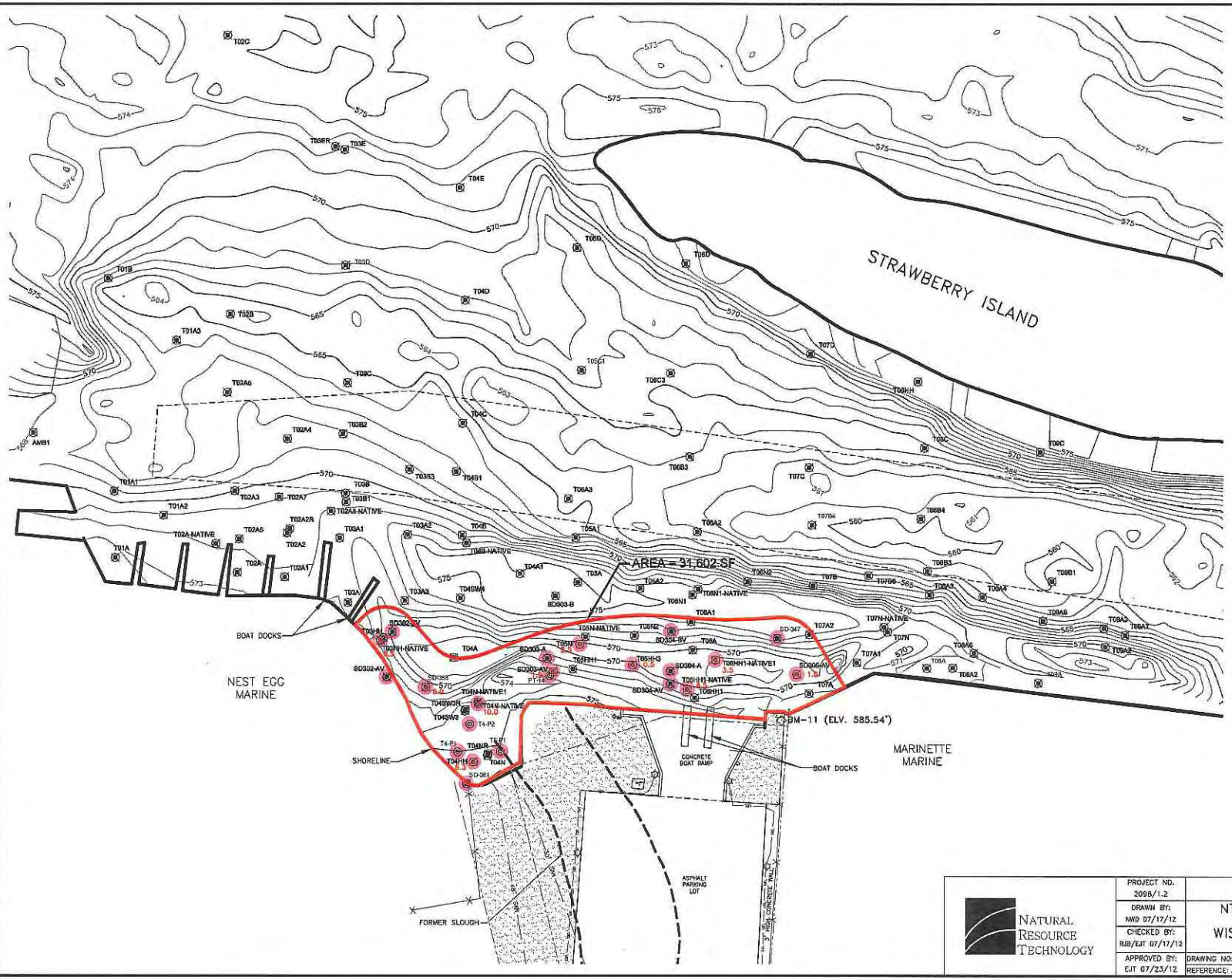

VOLUMES:

NAPL REMOVAL
BASE SURFACE: 2011_BATHY REVISED JUNE 2012 REV2
COMPARISON SURFACE: NAPL BOTTOM CUT
CUT VOLUME 4869 CU. YD.

SOURCE NOTES:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE, A DIGITAL FILE FROM STS CONSULTANTS, LTD., GREEN BAY, WISCONSIN, PROJECT NUMBER 25935, REVISED JANUARY 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING, EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m735c08.DWG, RECORD DRAWING REVISIONS 2/22/90. DIGITAL FILE SITE PLAN.DWG FROM AYRES AND ASSOCIATES, EAU CLAIRE, WISCONSIN. CHANNEL LIMITS, STATIONING AND PORTIONS OF SHORELINE ARE FROM U.S. ARMY CORPS OF ENGINEERS DRAWING "CONDITION OF CHANNEL-SEP. 2008", SHEET 4 OF 4.
2. WELL LOCATIONS FROM A SURVEY BY WPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
3. HORIZONTAL DATUM IS MARINETTE COUNTY COORDINATE SYSTEM, UNITS = US FOOT . VERTICAL DATUM IS NAVD88.
4. BENCHMARK 11 (LOCATED ON THE NORTHEAST CORNER OF THIS SITE ON THE CONCRETE WALL) HAS AN ELEVATION OF 585.54 FEET, (NAVD88).
5. UTILITIES IN BOOM LANDING PARK SURVEYED BY WPSC MARCH 2004.
6. 2011 BATHYMETRIC SURVEY PERFORMED BY ENVIROSCAN, INC. NOVEMBER 15, 2011.

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 2098/1.2	EXTENT OF NAPL
DRAWN BY: NND 07/17/12	NTC SEDIMENT REMOVAL ACTION EE/CA
CHECKED BY: RJB/EJT 07/17/12	FORMER MARINETTE MGP SITE
APPROVED BY: EJT 07/23/12	WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
DRAWING NO: 2098-12-B03C-NAPL	FIGURE 3
REFERENCE: .	

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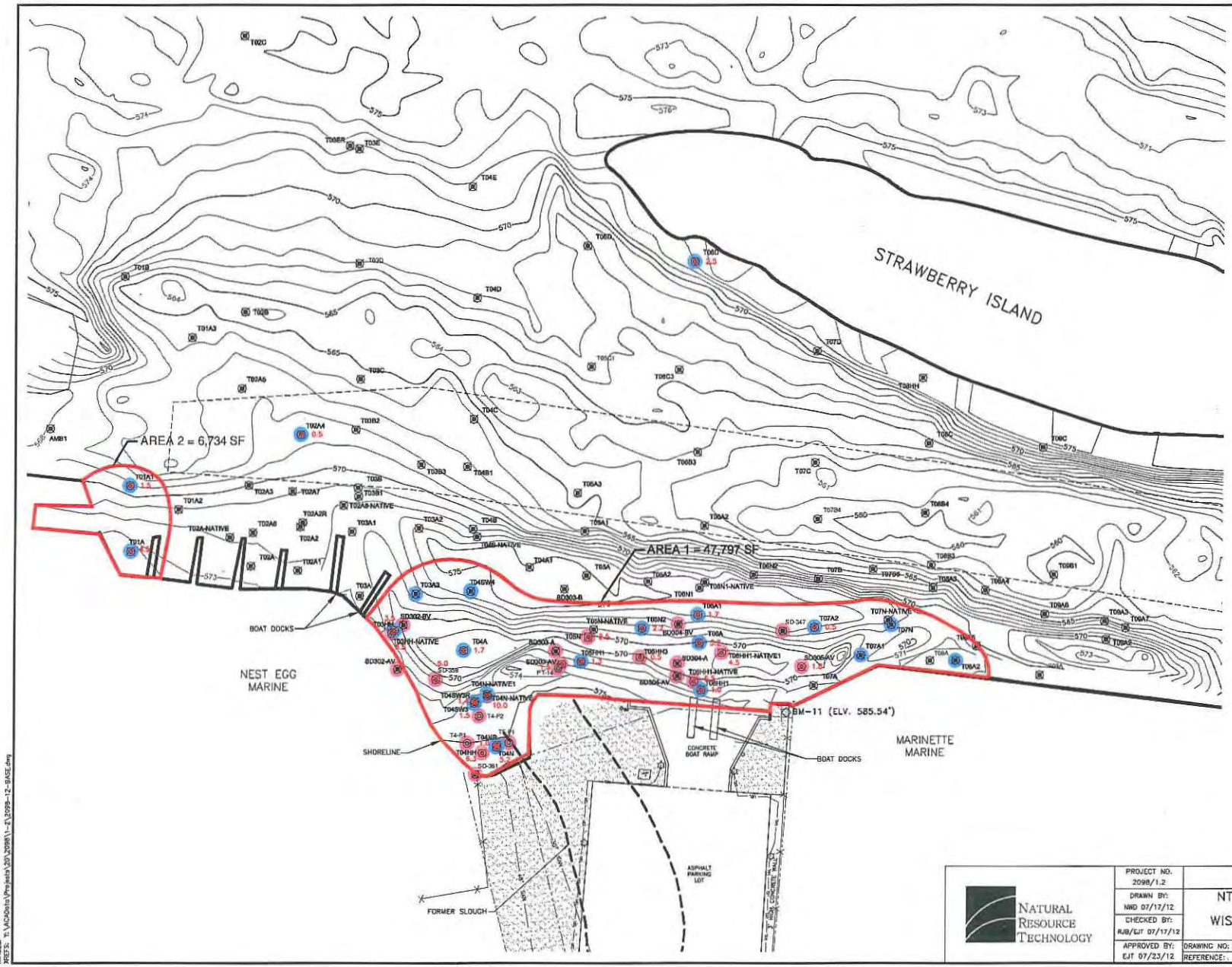


VOLUMES:

AREA 1
BASE SURFACE: 2011_BATHY REVISED JUNE 2012 REV2
COMPARISON SURFACE: PAH 22.8 BOTTOM CUT
CUT VOLUME 6216 CU. YD.

AREA 2
BASE SURFACE: 2011_BATHY REVISED JUNE 2012 REV2
COMPARISON SURFACE: PAH 22.8 BOTTOM CUT
CUT VOLUME 729 CU. YD.

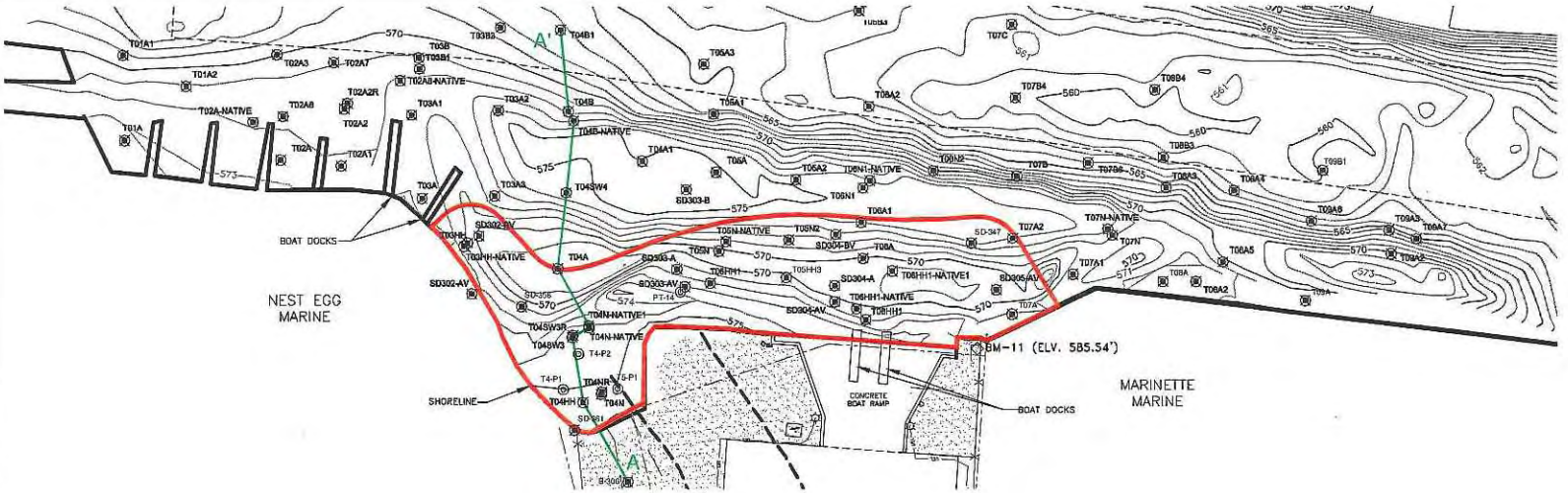
SOURCE NOTES:

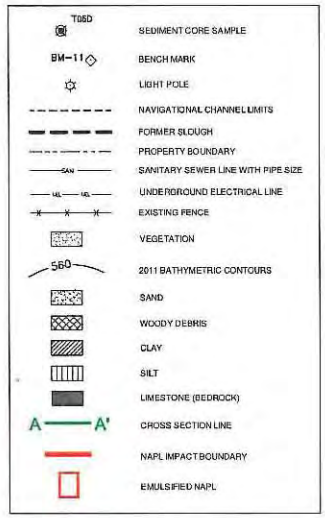
1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE, A DIGITAL FILE FROM SIS CONSULTANTS, LTD., GREEN BAY, WISCONSIN, PROJECT NUMBER 26936, REVISED JANUARY 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING, EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m735c06.DWG, RECORD DRAWING REVISIONS 2/22/99, DIGITAL FILE SITE PLAN.DWG FROM AYRES AND ASSOCIATES, EAU CLAIRE, WISCONSIN. CHANNEL LIMITS, STATIONING AND PORTIONS OF SHORELINE ARE FROM U.S. ARMY CORPS OF ENGINEERS DRAWING "CONDITION OF CHANNEL-SEP. 2008", SHEET 4 OF 4.
2. WELL LOCATIONS FROM A SURVEY BY WPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
3. HORIZONTAL DATUM IS MARINETTE COUNTY COORDINATE SYSTEM, UNITS = US FOOT . VERTICAL DATUM IS NAVD88.
4. BENCHMARK 11 (LOCATED ON THE NORTHEAST CORNER OF THIS SITE ON THE CONCRETE WALL) HAS AN ELEVATION OF 585.54 FEET. (NAVD88).
5. UTILITIES IN BOOM LANDING PARK SURVEYED BY WPSC MARCH 2004.
6. 2011 BATHYMETRIC SURVEY PERFORMED BY ENVIROSCAN, INC. NOVEMBER 15, 2011.

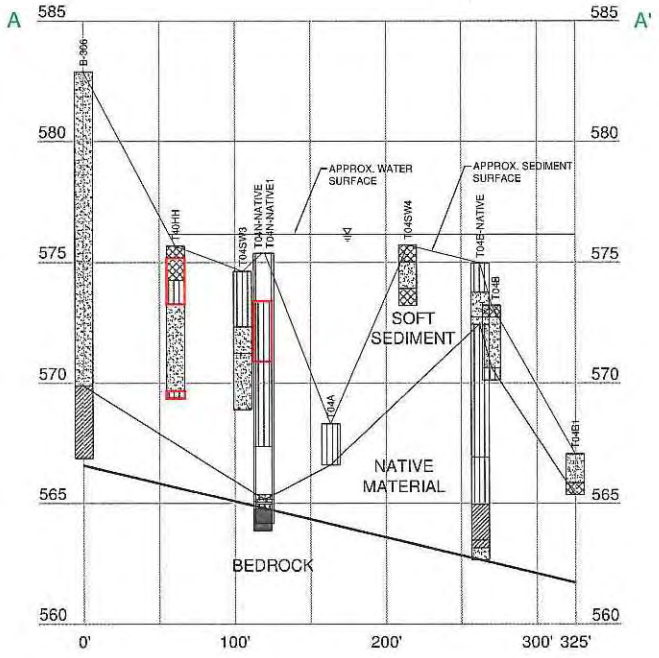
NATURAL RESOURCE TECHNOLOGY

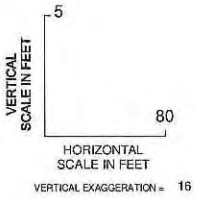
PROJECT NO. 2098/1.2	EXTENT OF PAH ≥ 22.8 mg/kg
DRAWN BY: NWD 07/17/12	NTC SEDIMENT REMOVAL ACTION EE/CA FORMER MARINETTE MGP SITE WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
CHECKED BY: RJB/EJT 07/17/12	
APPROVED BY: EJT 07/23/12	DRAWING NO: 2098-12-B04C-NAPL-PAH22.8 REFERENCE:
	FIGURE 4

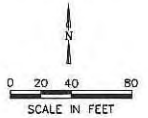
INFOGRAPHICS: XREFS: Y:\ACAData\Projects\20\2098\1-2\2098-12-BASE.dwg











SOURCE NOTES:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE, A DIGITAL FILE FROM STS CONSULTANTS, LTD., GREEN BAY, WISCONSIN, PROJECT NUMBER 26936, REVISED JANUARY 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWINGS. EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m755e06.DWG, RECORD DRAWING REVISIONS 2/22/90. DIGITAL FILE SITE PLAN.DWG FROM AYRES AND ASSOCIATES, EAU CLAIRE, WISCONSIN. CHANNEL LIMITS, STATIONING AND PORTIONS OF SHORELINE ARE FROM U.S. ARMY CORPS OF ENGINEERS DRAWING "CONSTRUCTION OF CHANNEL-SEP. 2008", SHEET 4 OF 4.
2. WELL LOCATIONS FROM A SURVEY BY WPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
3. HORIZONTAL DATUM IS MARINETTE COUNTY COORDINATE SYSTEM, UNITS = US FOOT ; VERTICAL DATUM IS NAVD88.
4. BENCHMARK 11 (LOCATED ON THE NORTHEAST CORNER OF THIS SITE ON THE CONCRETE WALL) HAS AN ELEVATION OF 585.54 FEET. (NAVD88).
5. UTILITIES IN BOOM LANDING PARK SURVEYED BY WPSC MARCH 2004.
6. 2011 BATHYMETRIC SURVEY PERFORMED BY ENVIROSCAN, INC. NOVEMBER 15, 2011.

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 2098/1.2	CROSS SECTION A-A'
DRAWN BY: NWD/RLH 07/18/12	NTC SEDIMENT REMOVAL ACTION EE/CA
CHECKED BY: JJW/EJT 07/18/12	FORMER MARINETTE MGP SITE
APPROVED BY: EJT 07/23/12	WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
DRAWING NO: 2098-12-B05C-GROSS SECTION AA	FIGURE 5
REFERENCE: .	

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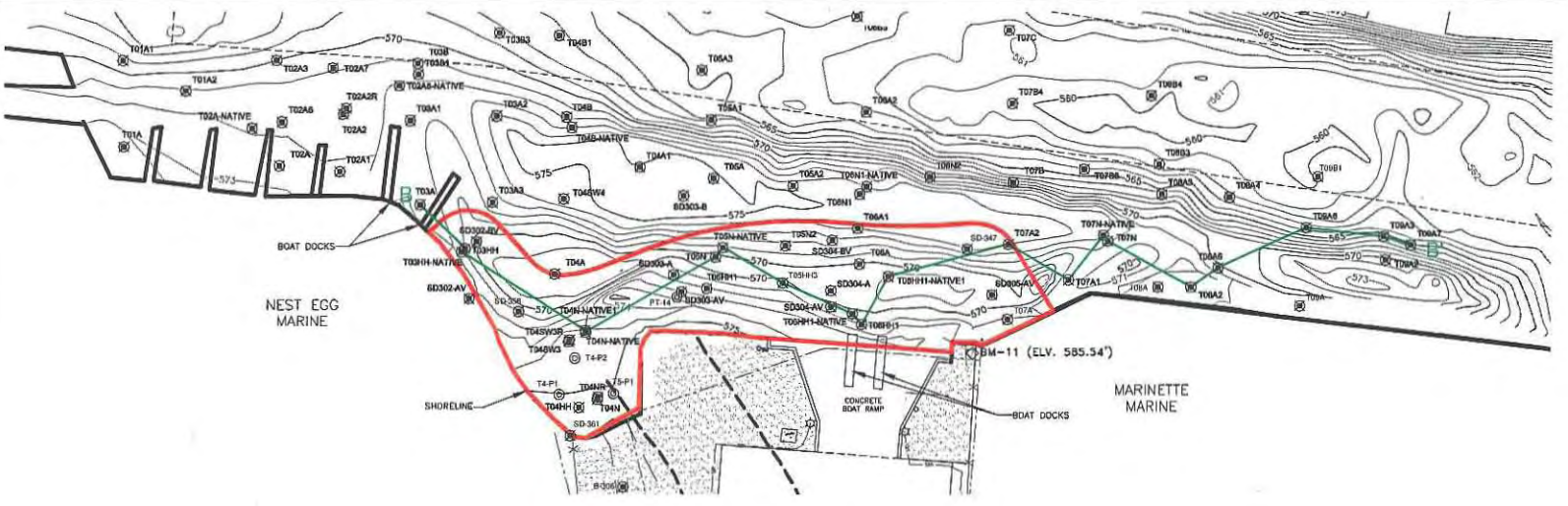

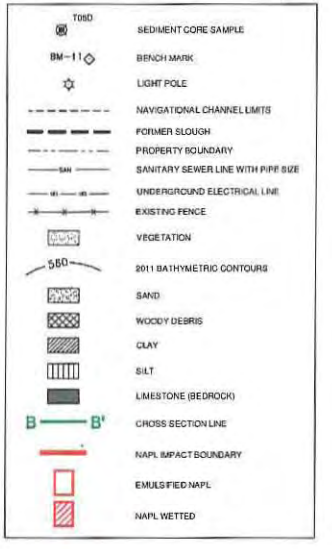

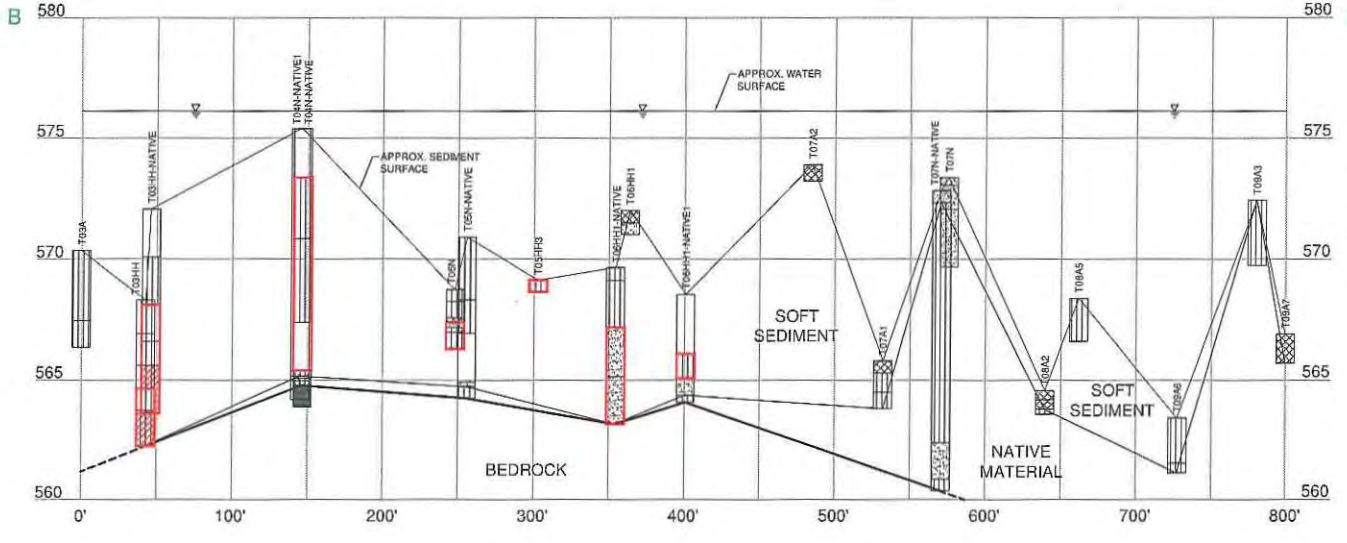

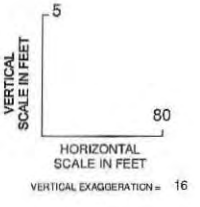

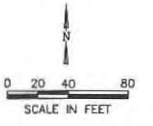

SOURCE NOTES:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE, A DIGITAL FILE FROM STS CONSULTANTS, LTD., GREEN BAY, WISCONSIN, PROJECT NUMBER 28936, REVISED JANUARY 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING, EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m755406.DWG, RECORD DRAWING REVISIONS 2/22/90. DIGITAL FILE SITE PLAN.DWG FROM AYRES AND ASSOCIATES, EAU CLAIRE, WISCONSIN. CHANNEL LIMITS, STATIONING AND PORTIONS OF SHORELINE ARE FROM U.S. ARMY CORPS OF ENGINEERS DRAWING "CONDITION OF CHANNEL-SEP. 2000", SHEET 4 OF 4.
2. WELL LOCATIONS FROM A SURVEY BY RPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
3. HORIZONTAL DATUM IS MARINETTE COUNTY COORDINATE SYSTEM, UNITS = US FOOT . VERTICAL DATUM IS NAVD88.
4. BENCHMARK 11 (LOCATED ON THE NORTHEAST CORNER OF THIS SITE ON THE CONCRETE WALL) HAS AN ELEVATION OF 585.54 FEET, (NAVD88).
5. UTILITIES IN BOOM LANDING PARK SURVEYED BY RPSC MARCH 2004.
6. 2011 BATHYMETRIC SURVEY PERFORMED BY ENVIROSCAN, INC. NOVEMBER 15, 2011.

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 2098/1.2	CROSS SECTION B-B'
DRAWN BY: NND/RLH 07/18/12	NTC SEDIMENT REMOVAL ACTION EE/CA
CHECKED BY: JJW/EJT 07/18/12	FORMER MARINETTE MGP SITE
APPROVED BY: EJT 07/23/12	WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
DRAWING NO: 2098-12-B08C-CROSS SECTION BB	FIGURE 6
REFERENCE: .	

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