



Community Services

Presque Isle Marina Boat Launch Plan Review

February 3, 2015



Community Services

Project Goal

Replace existing launch ramp, piers, parking and lighting with an updated facility that is more efficient, easier to maintain and meets the needs of the boating community



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Project Overview

- Launch Ramp Pad
- Launch Ramp Piers
- Parking Lot
 - To include striping, entrance, exit (layout and flow)
- Lighting
- Removal of Existing Infrastructure



Community Services

Budget Review

- Total Project Budget – MDNR Waterways Grant
 - \$402,400
 - \$201,200 Waterways Grant
 - \$201,200 Local Match

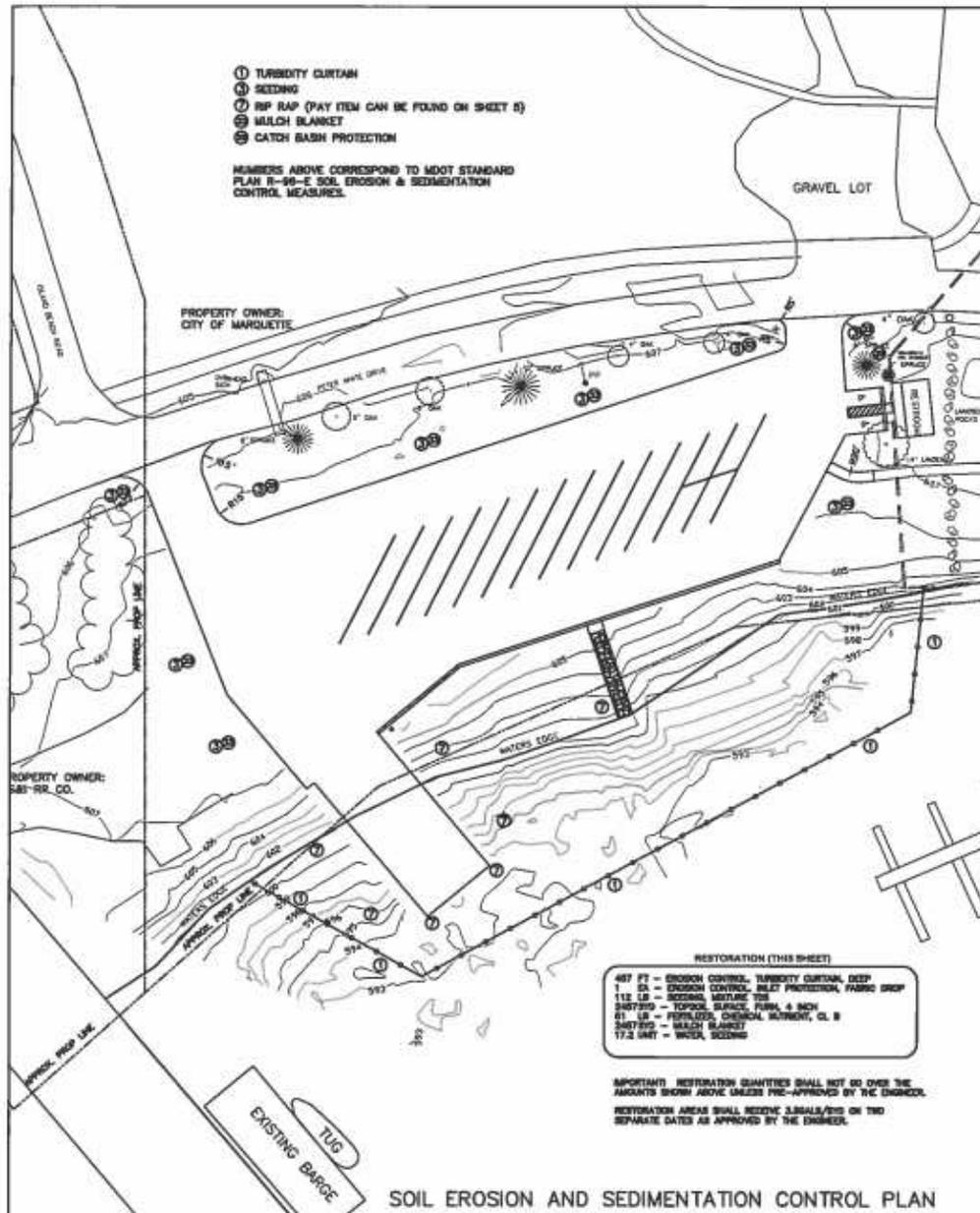
April 28, 2014 City Commission meeting

“Approve the Waterways Grant Agreement totaling \$201,200.00 to reconstruct the Presque Isle Marina Boat Launch; authorize the Mayor and Clerk to sign the agreement and Resolution; and include the local match totaling \$201,200.00 in the 2014 capital improvement general obligation bond issue.”

- ① TURBIDITY CURTAIN
- ② SEEDING
- ③ RIP RAP (PAY ITEM CAN BE FOUND ON SHEET 5)
- ④ MULCH BLANKET
- ⑤ CATCH BASIN PROTECTION

NUMBERS ABOVE CORRESPOND TO MDT STANDARD PLAN R-99-E SOIL EROSION & SEDIMENTATION CONTROL MEASURES.

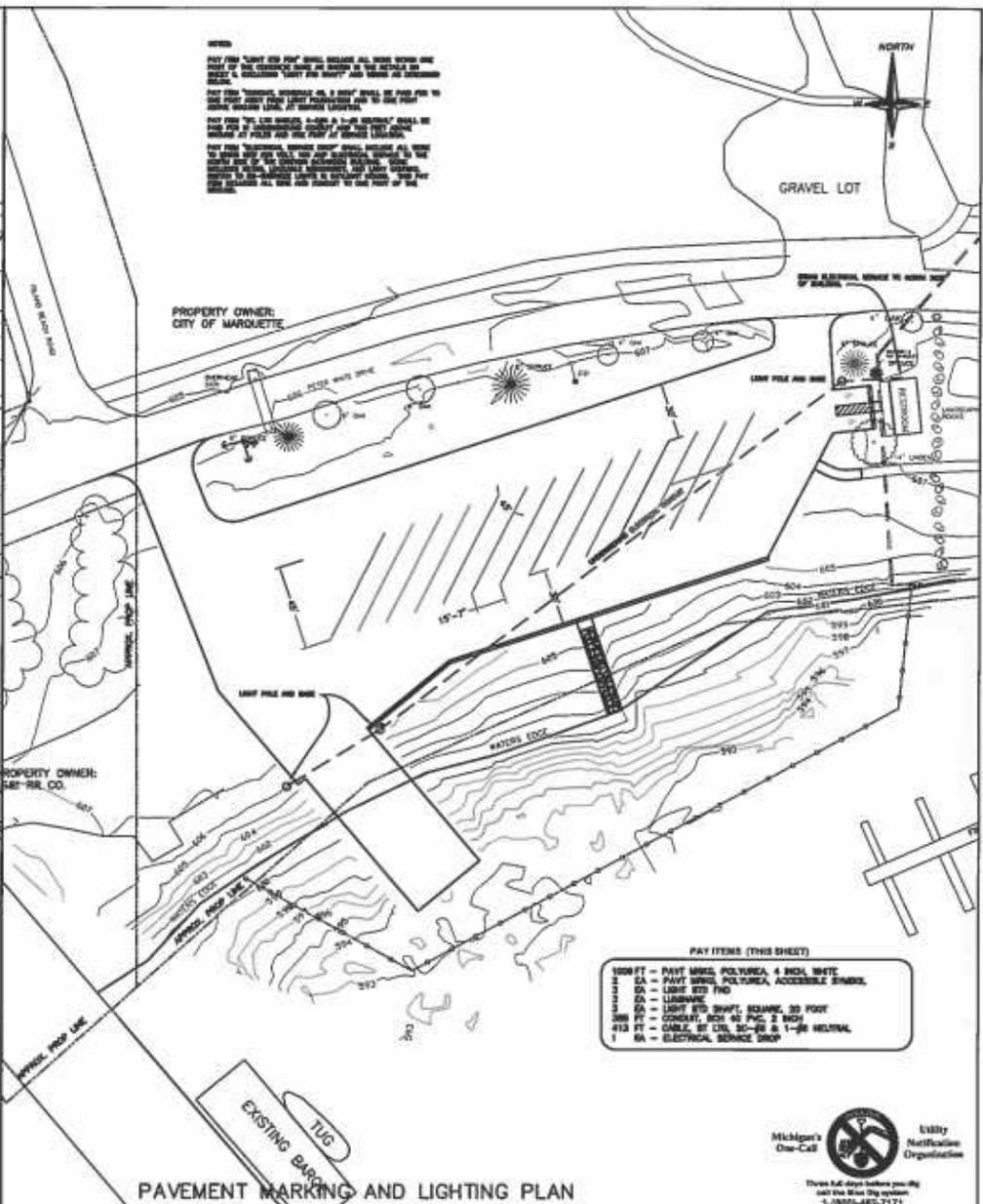
NOT FOR CONSTRUCTION. THESE SHEETS SHALL BE USED ONLY FOR THE PURPOSE OF OBTAINING PERMITS AND FOR THE PURPOSE OF OBTAINING A PERMIT TO CONDUCT WORK. THESE SHEETS SHALL NOT BE USED FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL AUTHORITIES.



- RESTORATION (THIS SHEET)
- 487 FT - EROSION CONTROL, TURBIDITY CURTAIN, DEEP
 - 118 EA - EROSION CONTROL, SLEET PROTECTION, FABRIC DRAP
 - 118 LB - SEEDING, MIXTURE 708
 - 3487359 - TOPSOIL, SURFACE, FURMA, 4 INCH
 - 61 LB - FERTILIZER, CHEMICAL NUTRIMENT, CL B
 - 2487359 - MULCH BLANKET
 - 17.3 GALT - WATER, SEEDING

IMPORTANT! RESTORATION QUANTITIES SHALL NOT EXCEED THE QUANTITIES SHOWN ABOVE UNLESS PRE-APPROVED BY THE ENGINEER. RESTORATION AREAS SHALL RECEIVE REMEDIATION ON TWO SEPARATE DATES AS APPROVED BY THE ENGINEER.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN



- PAY ITEMS (THIS SHEET)
- 1000 FT - PAVT MING, POLYUREA, 4 INCH, WHITE
 - 2 EA - PAVT MING, POLYUREA, ACCESSIBLE, 200MM
 - 3 EA - LIGHT EDG FWD
 - 3 EA - LIGHTING
 - 3 EA - LIGHT EDG SWFT, 200MM, 20 FOOT
 - 300 FT - CONCR, 400 40 PIG 2 INCH
 - 413 FT - CABLE, ST LTR, SC-PB & 1-IN METAL
 - 1 EA - ELECTRICAL SERVICE SHED



PAVEMENT MARKING AND LIGHTING PLAN

CITY ENGINEER'S OFFICE
MARQUETTE, MICHIGAN
300 WEST BARAGA AVE., MARQUETTE, MI 49855
PH: (605)274-1000

REVISIONS:

DESIGN BY: JAMES COMPTON, P.E., PROJECT ENG.
DRAWN BY: JAMES COMPTON, P.E., PROJECT ENG.
DATE: 11/12/14
FILE NAME: J:\PROJECTS\MQ14-500\MASTER.dwg

HOR. SCALE: 1" = 30'
VERT. SCALE: N.A.

PRESQUE ISLE MARINA PHASE II
UPPER HARBOR MARQUETTE, MICHIGAN
SECC, PARKING AND LIGHTING SHEET

PROJECT MQ14-500
SHEET 4 OF 9

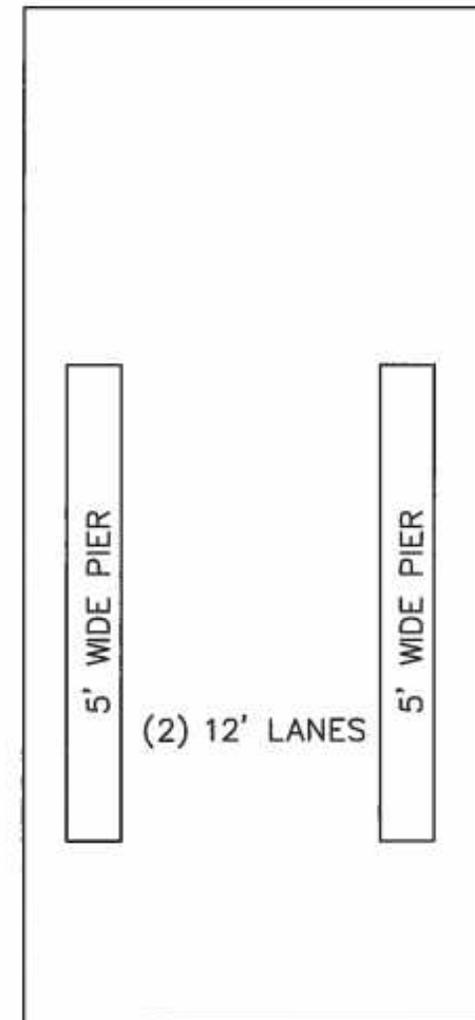


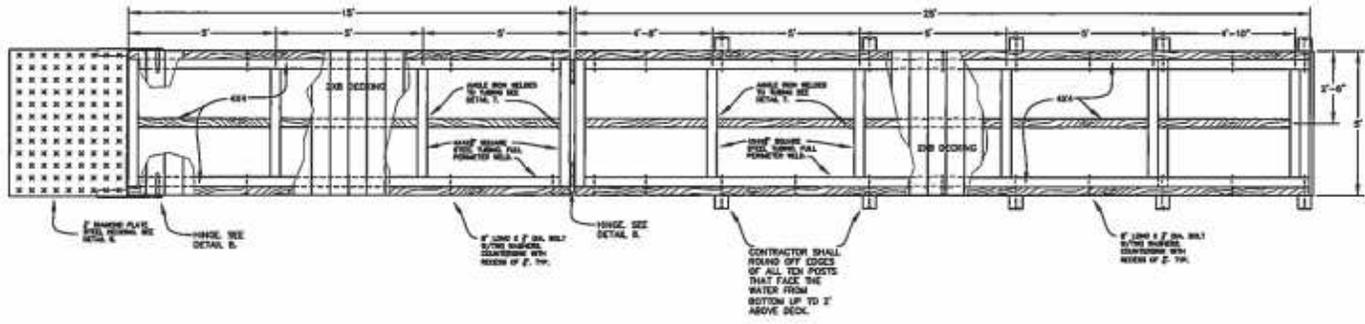
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Launch Layout

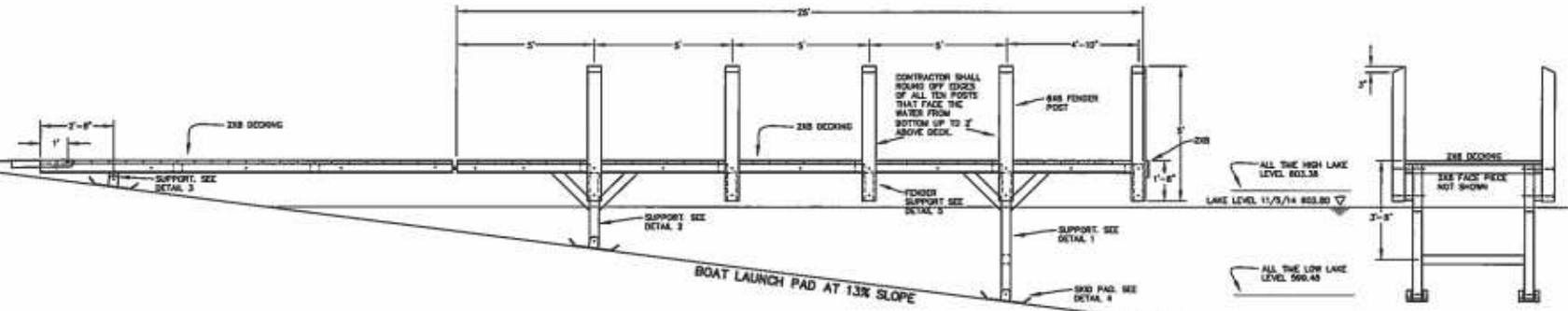
- Based on engineering and design standards from around the U.S.
- Allows for two boats to launch at once
- Temporary boat parking on the outside of the piers

2 LANE-2 PIER





EDGE PIER TYP. OF 2



PAY ITEMS (THIS SHEET)
 1 EA - 800 PIER, 8' WIDE

NOTES
 THE PAY ITEM "800 PIER, 8' WIDE" INCLUDES ALL WORK AS SHOWN ON THIS SHEET AND SHEETS 7&8.





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Project Timelines

- Grant received April 2014
- Design/Engineering Fall-Winter 2014/15
- Public Comment February 3, 2015
- Finalize Design *February 13, 2015
- MDNR Review *March 6, 2015
- Bid Project *March 27, 2015
- Award Project *April 17, 2015
- Begin Project *May 26, 2015
- Complete Project *July 3, 2015

*tentative



Community Services

Project Challenges

- Parking configuration
 - Truck/Trailer Parking
 - Non-trailer dedicated parking
- Facility Lighting
- Pier mooring options (posts vs. cleats)
- Remaining infrastructure
- Timing and contractor considerations
- Operations while under construction
- Budget



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Comments



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Comments (continued)