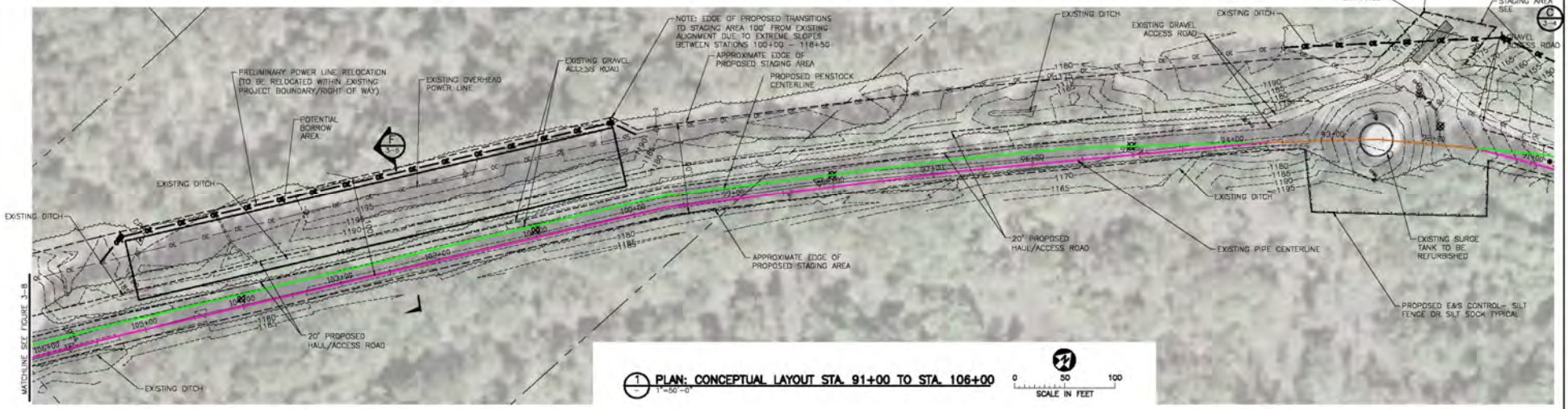
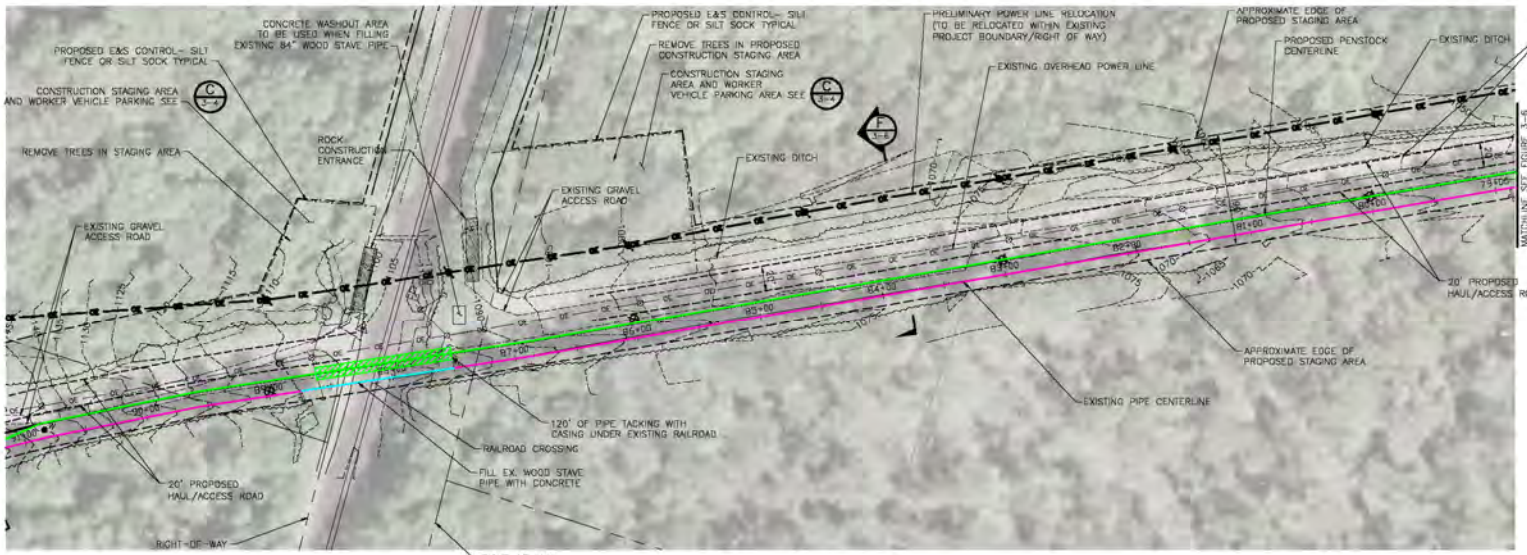


1 PLAN: CONCEPTUAL LAYOUT STA. 91+00 TO STA. 106+00
1"=50'–0"

0 50 100
SCALE IN FEET



PRELIMINARY DESIGN:
– ISSUE FOR REGULATORY REVIEW ONLY
– NOT FOR CONSTRUCTION

2 PLAN: CONCEPTUAL LAYOUT STA. 79+00 TO STA. 91+00
1"=50'–0"

0 50 100
SCALE IN FEET

NOTES:
1. DETAILS SHOWN ARE APPROXIMATE AND ARE BASED ON A 50% ENGINEERING DESIGN LEVEL. FINAL CONSTRUCTION PLANS ARE BEING DEVELOPED AND WILL BE SUBMITTED AS PART OF OBTAINING ANY NECESSARY PERMITS FOR CONSTRUCTION AS NEEDED.

LEGEND

- TOPOGRAPHIC SURVEY CONTROL POINT
- EXISTING TREE LINE
- EXISTING ELEVATION INDEX CONTOUR
- EXISTING WATER LINE
- EXISTING EDGE OF GRAVEL
- EXISTING CONCRETE OR ASPHALT EXTENT
- EXISTING OVERHEAD ELECTRIC
- EXISTING DITCH
- EXISTING PROPERTY LINE
- EXISTING WETLAND AND FLAG NO.
- EXISTING SIGN
- EXISTING RIPRAP
- EXISTING ROCK OUTCROPPING
- PROPOSED E&S CONTROL – SILT FENCE OR SILT SOCK TYPICAL SEE 2/3–7
- PROPOSED E&S CONTROL– SILT FENCE OR SILT SOCK TYPICAL (DOUBLE ROW) SEE 4/3–7
- PROPOSED ROCK CONSTRUCTION ENTRANCE SEE 1/3–7
- REMOVE EXISTING 84" CONCRETE ENCASED WOOD STAVE PIPE AND REPLACE WITH 84" CCFRPM PIPE STATION 91+50–93+50
- PROPOSED 84" CCFRPM PIPE
- ABANDON 84" WOOD STAVE PIPE IN PLACE
- FILL EXISTING WOOD STAVE PIPE WITH CONCRETE FROM STATION 87+50 – 88+75

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
A	MRM	MAK2	WJF	10OCT2008	ISSUED FOR PERMITTING – NOT FOR CONSTRUCTION
B	MRM	MAK2	WJF	20NOV2008	REVISED ENVIRONMENTAL PLAN SUBMITTAL
C	MJJ	MAK2	WJF	10DEC2008	COMMENTS FROM RIZZO/INTEGRYS
D	MJJ	MAK2	WJF	23DEC2008	REVISED ALIGNMENT
E	MJJ	MAK2	WJF	09FEB2009	FERC SUBMITTAL
F	MJJ	MAK2	WJF	26FEB2009	REVISIONS/INTEGRYS

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 MICHIGAN.

SIGNATURE _____

PRINTED NAME: WILLIAM J FORSMARK

DATE _____ REG. NO. 39572

RELEASED TO/FOR	DATE RELEASED							
CLIENT	10/10	11/20	12/10	12/23	02/09	02/26	03/04	
FERC								
CONSTRUCTION								
	A	B	C	D	E	F	0	

BARR
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Scale	AS SHOWN
Date	10OCT2008
Drawn	RLG/MRM
Checked	MAK2/WJF
Designed	MAK2
Approved	

UPPER PENINSULA POWER CO.
MARQUETTE COUNTY, MI

MCCLURE PENSTOCK REPLACEMENT
MARQUETTE COUNTY, MI

CONCEPTUAL LAYOUT
STA. 79+00 TO STA. 106+00

BARR PROJECT No. 22/52–088
CLIENT PROJECT No.
DWG. No. FIGURE 3–7
REV. No. 0

CADD USER: Mark Kretschmer FILE: N:\CAD\22\52088\3D\455_2.DWG PLOT SCALE: 1:0 PLOT DATE: 3/4/2009 3:11 PM
Xrefs In Drawing – N:\Veaf\22\52088\3D\447_1.DWG N:\Veaf\22\52088\3D\453_1.DWG
PIT: N:\CAD\22\52088\3D\455_2.DWG Plot at 0 02/26/2009 08:34:42