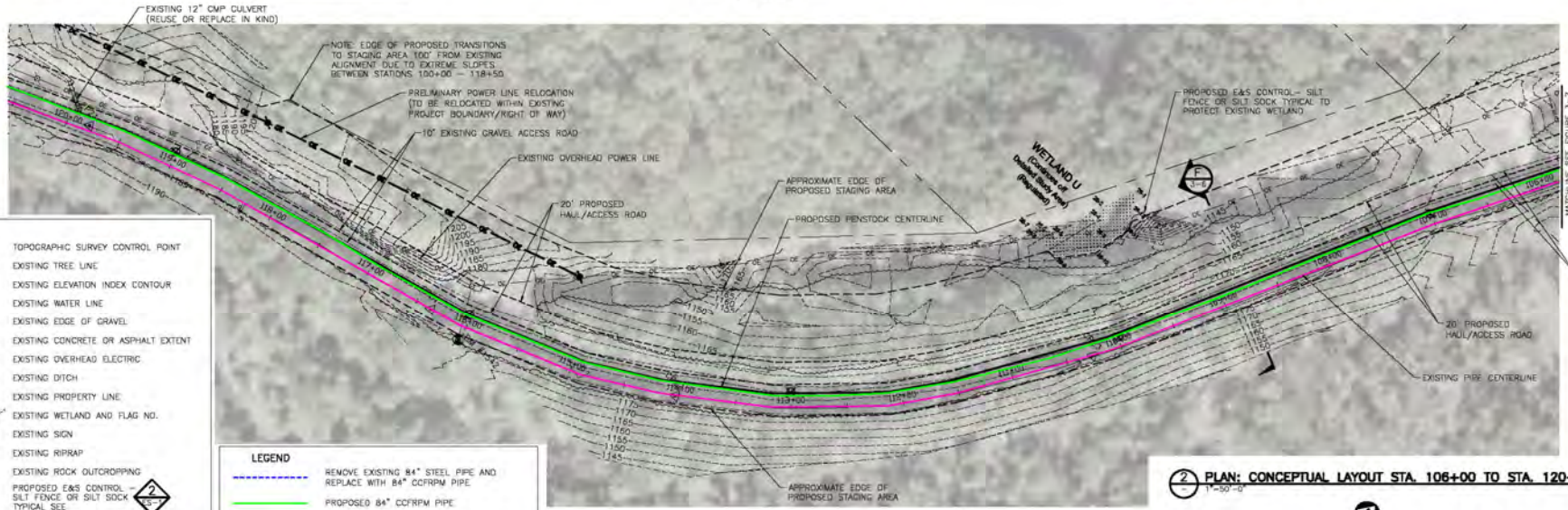


1 PLAN: CONCEPTUAL LAYOUT STA. 120+50 TO STA. 133+16.61  
 1"=50'-0"  
 SCALE IN FEET



2 PLAN: CONCEPTUAL LAYOUT STA. 106+00 TO STA. 120+50  
 1"=50'-0"  
 SCALE IN FEET

**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
- PROPOSED E&S CONTROL - SILT FENCE OR SILT SOCK TYPICAL (DOUBLE ROW) SEE 4
- PROPOSED ROCK CONSTRUCTION ENTRANCE SEE 1

**LEGEND**

- REMOVE EXISTING 84" STEEL PIPE AND REPLACE WITH 84" CORRPM PIPE
- PROPOSED 84" CORRPM PIPE
- ABANDON IN PLACE 84" WOOD STAVE PIPE
- REMOVE EXISTING STEEL PIPE STATION 131+46 - 133+20
- REMOVE EXISTING WOOD STAVE PIPE STATION 128+50 - 131+48

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

**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.

CAD: LHM: MKZ: 11/19/2008 10:44:37 AM PLOT: SCALE: 1/4"=20'0" 8:12 PM  
 FILE: W:\2008\2252\2252.DWG PLOT: 11/19/2008 8:12:52

NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION
1	MWJ	MAK2		10/02/2008	ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION
2	MWJ	MAK2		10/02/2008	ISSUED ENVIRONMENTAL 2-DAY SUBMITTAL
3	MWJ	MAK2		10/02/2008	COMMENTS FROM R222/210/215
4	MWJ	MAK2		10/02/2008	REVISED ALIGNMENT
5	MWJ	MAK2		08/27/2008	PERIC SUBMITTAL
6	MWJ	MAK2		08/28/2008	PERIC/PERIC INTERLOCKS

MICHIGAN COUNTY 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.		CLIENT	UPPER PENINSULA POWER CO.	DATE	10/17/08
SIGNATURE	WILLIAM J. FORSMARK	DATE	10/17/08	DATE RELEASED	10/20/08
PRINTED NAME	WILLIAM J. FORSMARK	REG. NO.	38672		

PROJECT OFFICE	BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN. 55435-4803 Ph: 1-800-432-2277 Fax: (612) 832-2801 www.barr.com
SCALE	AS SHOWN
DATE	10/02/2008
DRAWN	RLG/MWJ
CHECKED	MAK2/MWJ
DESIGNED	MAK2
APPROVED	

**UPPER PENINSULA POWER CO.**  
 MARQUETTE COUNTY, MI

**MCCLURE PENSTOCK REPLACEMENT**  
 MARQUETTE COUNTY, MI  
 CONCEPTUAL LAYOUT  
 STA. 106+00 TO STA. 133+16.61

BARR PROJECT No.	22/52-088
CLIENT PROJECT No.	
DWG. No.	FIGURE 3-8
REV. No.	0