



**Request for information and early coordination from DNR and Mn/DOT functional groups**

The District 4 Project Development Unit is requesting your participation in the early development phase of the above-referenced highway project. Information available at this time in regard to the project may be limited, therefore Mn/DOT recognizes that the responses you provide are preliminary and may change after reviews of other documents or if the highway plan changes. However, your early input is necessary to assure that all environmental concerns and other interests relating to this project are considered in the development of this project.

This memorandum provides the following:

- Requested response
- general project information
- project description
- attachments

**Please reply by: 2/16/2008**

If this date is not possible, please reply and provide an estimate of when this review can be completed. For additional information, please contact the person listed below.

**Project Contact:**

Name: Paul Munsterteiger  
 Title: Environmental Coordinator  
 Address: 1000 Highway 10 West, Detroit Lakes, MN 56501  
 Phone: (218) 846-7953  
 Fax: (218) 846-7984  
 E-mail: Paul.Munsterteiger@dot.state.mn.us

**Requested Response (applicable only if marked with an X):**

<b>DNR Review and Determination</b>		
<input checked="" type="checkbox"/>	Please complete a DNR Questionnaire for this project.	
<b>Cultural Resources Review and Determination</b>		
<input type="checkbox"/>	Request for Archaeological/Historical Review to meet federal and state requirements.	
<input checked="" type="checkbox"/>	Request for Archaeological/Historical Review, state only (state funded project, with no likelihood of federal funds).	
<b>Contaminated Property</b>		
<input type="checkbox"/>	Properties may require Phase 1 Environmental Report.	
<input type="checkbox"/>	Other potential contaminated property issues:	
<b>Regulated Waste</b>		
<input type="checkbox"/>	Properties may require Regulated Waste Inspection.	
<input type="checkbox"/>	Other potential regulated waste issues:	
<b>Bikeways and Pedestrians Review</b>		
<input type="checkbox"/>	A Level 1 or 2 Geometric Layout will be prepared for this project. Please provide comments on the preliminary/draft layout.	
<input type="checkbox"/>	Attached	Separate transmittal
<input type="checkbox"/>	Other (explain):	
<b>Railroad Coordination and Railroad Agreement</b>		
<input type="checkbox"/>	There are potential railroad issues at or near the following locations:	
<b>Location</b> (insert rows as needed)	<b>Reference Point</b>	<b>Potential issue</b>



**The project will likely include:**

<input type="checkbox"/> Resurfacing / rehabilitation	<input type="checkbox"/> Realignment	<input type="checkbox"/> Widening of roadway or shoulder
<input type="checkbox"/> Grading for curve correction	<input type="checkbox"/> Ditch grading	<input type="checkbox"/> Major grading
<input type="checkbox"/> Bridge demolition, rehabilitation or replacement	<input type="checkbox"/> Bypass lane or turn lane construction	<input type="checkbox"/> Wetland fill or excavation
<input type="checkbox"/> Permanent stream diversion	<input checked="" type="checkbox"/> Temporary stream diversion	<input checked="" type="checkbox"/> DNR stream/water crossings
<input type="checkbox"/> Work outside existing R/W	<input checked="" type="checkbox"/> Work outside existing shoulder	<input type="checkbox"/> Elimination of bicycle access
<input checked="" type="checkbox"/> Culvert replacement	<input type="checkbox"/> Culvert extension or lining	<input type="checkbox"/> Storm water pond construction
<input checked="" type="checkbox"/> Right of way acquisition	<input type="checkbox"/> Relocations	<input checked="" type="checkbox"/> Temporary easement
<input type="checkbox"/> Guardrail replacement	<input type="checkbox"/> Guardrail improvement	<input type="checkbox"/> Signals / lighting
<input type="checkbox"/> Building demolition/relocation	<input type="checkbox"/> erosion repair	<input type="checkbox"/> snowdrift elimination
<input type="checkbox"/> MS4 permit requirements	<input type="checkbox"/> SWPPP	<input type="checkbox"/>

**Project Description**

*(Writer: Include an explanation of how the proposed improvements will change existing conditions, such as horizontal and vertical alignments, the current vs. proposed ROW, traffic lane width, or ditch profiles, etc. Describe the following items, or attach a layout (if available) indicating the following items: construction limits, roadway widening or addition of turn lanes, existing ROW, proposed ROW, realignment, temporary easement, construction bypass. For bridge work please indicate whether project will include cut and/or fill.)*

This project includes the replacement of the in-place culvert under TH 114 at the Little Chippewa River crossing. The in-place culvert is a 96" X 182' structural plate culvert that has the bottom completely rusted away and is collapsing. The proposed new culvert will be a 8' x 5' x 206' concrete box culvert. Due to early coordination with the Mn/DNR, the new culvert will be placed at a slight skew (reason for 24' longer) so the inlet end will line up better with the river. The new culvert will be set 1' below the normal river bottom, so as to create a more natural river bottom throughout the full length of the culvert for fish passage. Presently the in-place outlet end is a huge scour hole with a 20' sheer vertical bank in which severe bank erosion is occurring. The outlet end will be treated with a rock riprap surge pool and also the vertical bank on the outside bend will be cut down into shelves and protected with rock rip rap and willow live stake plantings.

Construction calls for open cutting TH 114 to replace the culvert. As per requests from the Mn/DNR, the contractor will be required to maintain a flow of the river equivalent to a 12" pipe flowing full. This will be accomplished through one of the following: an open channel lined with plastic, a buried 12" pipe, or using a pump and hose to route flow around the site.

**Additional Comments or Information**

*(Writer - complete if needed, or delete.)*

**List of Attachments:** (check all that are included with this Early Notification Memorandum)

- Project Location Map
- USGS 7.5 minute Quad Map(s) – showing project termini (and borrow/disposal areas, if applicable)
- Aerial photograph of project area:       Attached       Under separate cover       N/A
- Preliminary layout or draft layout:       Attached       Under separate cover       N/A
- Geometric Design Table       Draft       Final       Not Available
- Other maps or attachments: Project plan sheets

# MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR BOX CULVERT

LOCATED ON T.H. 114, 4500' NORTH OF JCT. T.H. 55

STATE PROJ. NO. 6112-10 (TH 114)  
 GROSS LENGTH 381.00 FEET 0.072 MILES  
 BRIDGES-LENGTH 0.00 FEET 0.00 MILES  
 EXCEPTIONS-LENGTH 0.00 FEET 0.00 MILES  
 NET LENGTH 381.00 FEET 0.072 MILES  
 REF. POINT 8+00.102 TO REF. POINT 8+00.174

FED. PROJ. NO. STATE FUNDS

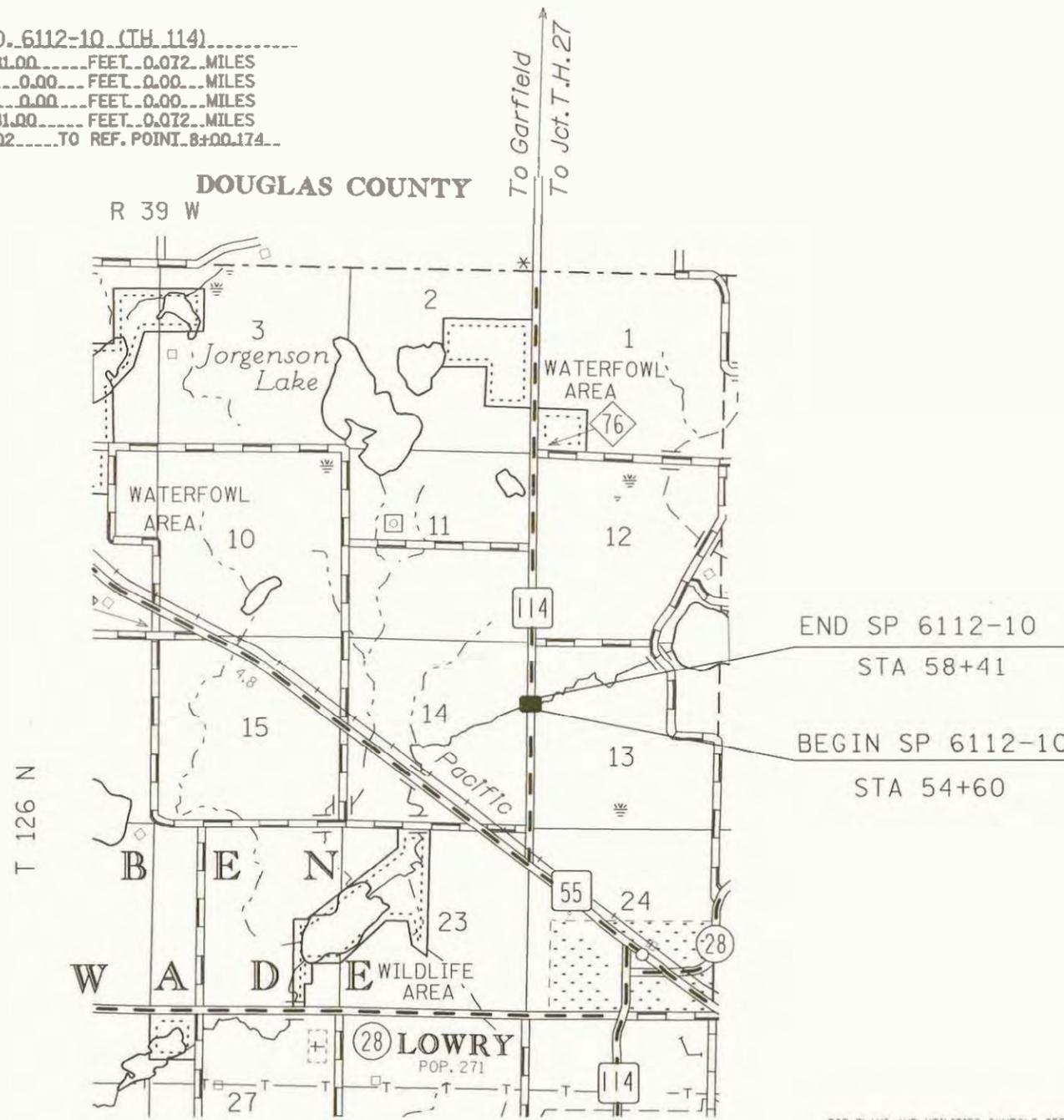
## GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN.

## INDEX

SHEET	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES
3	TYPICAL SECTIONS
4 - 5	TABULATION & UTILITY SHEETS
6	STRIPING DETAILS & TABULATIONS
7	CULVERT DETAIL SHEET
8 - 12	STANDARD PLAN SHEETS
13	SWPPP SHEET
14	CONSTRUCTION PLAN SHEET
15	PROFILE SHEET
16 - 17	EROSION CONTROL SHEETS
18 - 19	DETOUR TRAFFIC CONTROL SHEETS
20 - 22	CROSS SECTION SHEETS
23 - 29	BOX CULVERT SHEETS

PLOTTED/REVISED: 02-JAN-2008



END SP 6112-10  
 STA 58+41  
 BEGIN SP 6112-10  
 STA 54+60

THIS PLAN CONTAINS 29 SHEETS

I HEREBY CERTIFY THAT THIS PLAN 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.

PRINT NAME: Thomas J. Lundberg LICENSE # 26015

DATE: SIGNATURE:

DESIGN SQUAD M.J. Riley

RECOMMENDED FOR APPROVAL	DISTRICT TRANSPORTATION ENGINEER	20
RECOMMENDED FOR APPROVAL	DISTRICT MATERIALS ENGINEER	20
RECOMMENDED FOR APPROVAL	DISTRICT WATER RESOURCES/HYDRAULICS ENGINEER	20
RECOMMENDED FOR APPROVAL	DISTRICT TRAFFIC ENGINEER	20
RECOMMENDED FOR APPROVAL	STATE PRE-LETTING ENGINEER	20
OFFICE OF LAND MANAGEMENT APPROVAL	DIRECTOR, LAND MANAGEMENT	20
APPROVED	STATE DESIGN ENGINEER	20

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, WERE 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.

PRINT NAME: LICENSE #

DATE: SIGNATURE:

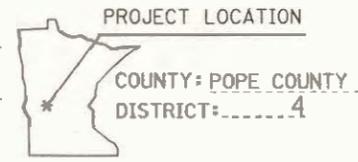
PLAN 100'

PROFILE 50' HORIZ. 5' VERT.

INDEX MAP 1 MILE

### DESIGN DESIGNATION

Design ESALS 2020 = 235,440  
 ADT (Current Year) 2007 = 755 Design Speed 50 MPH  
 (Future Year) 2027 = 1198 Based on STOPPING Sight Distance  
 DHV (Design Hr. Vol.) = 111 Height of eye 3.5 Height of object 2.0  
 D (Directional Distr.) = 60-40 % Design Speed not achieved at  
 T (Heavy Commercial) = 6.5 % STA. TO STA. MPH  
 STA. TO STA. MPH

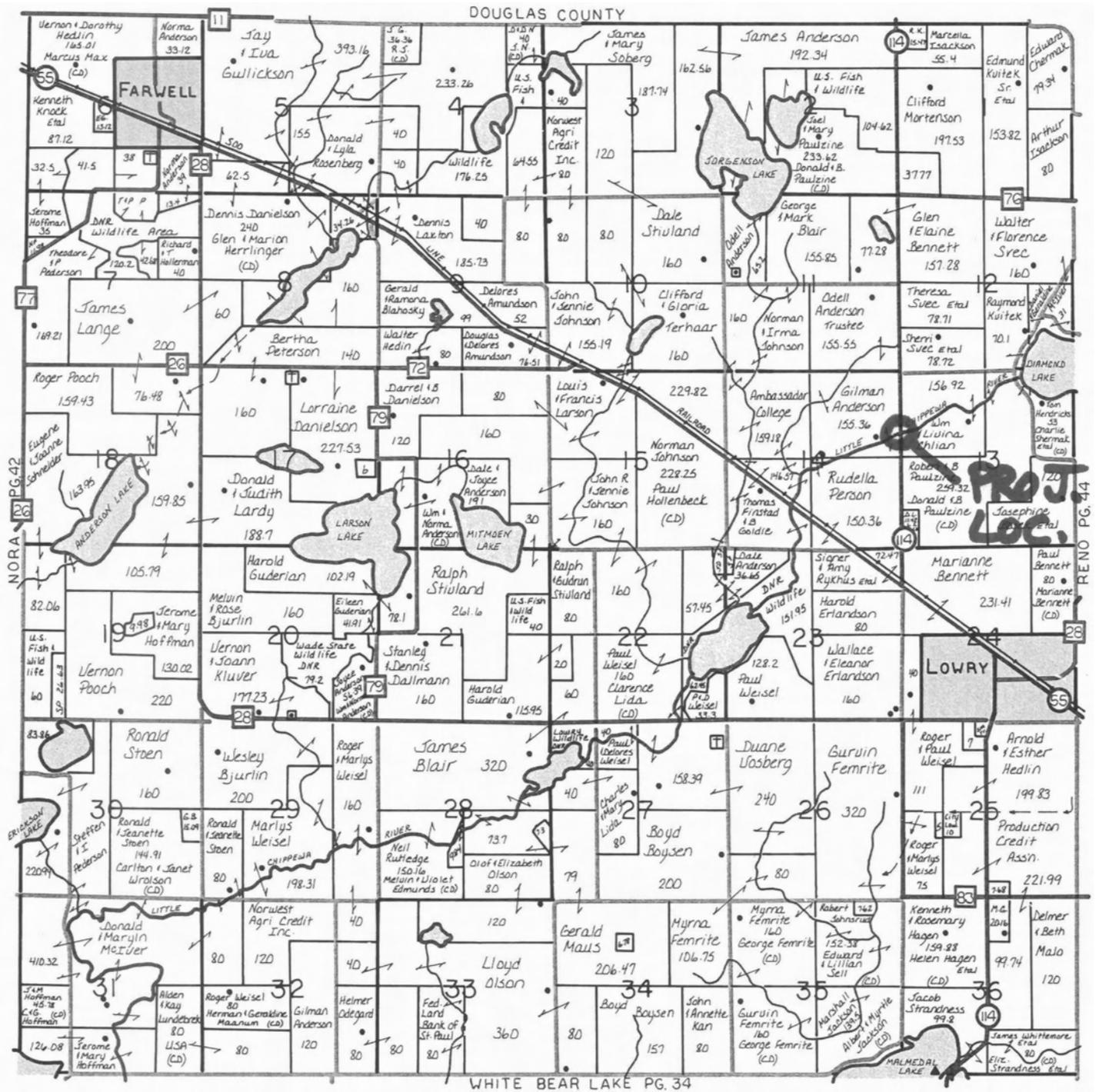


FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

STATE PROJ. NO.	CHARGE IDENTIFIER
6112-10	

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

DISTRICT #: DISTRICT 4  
 PLOT NAME: 4d611210.jsh  
 PATH & FILENAME: S:\D\files\T\14\6112\0\des\gn\4d611210\_1.shdgn



## KEITH'S STANDARD SERVICE

Brakes \* Tune Up \* Service \* Oil-Lube  
\* Tires \* Kerosene \* Air Condition

**634-3820**  
**Glenwood**      Keith Disrud,  
Owner

6:30-9:00  
Summer & Winter



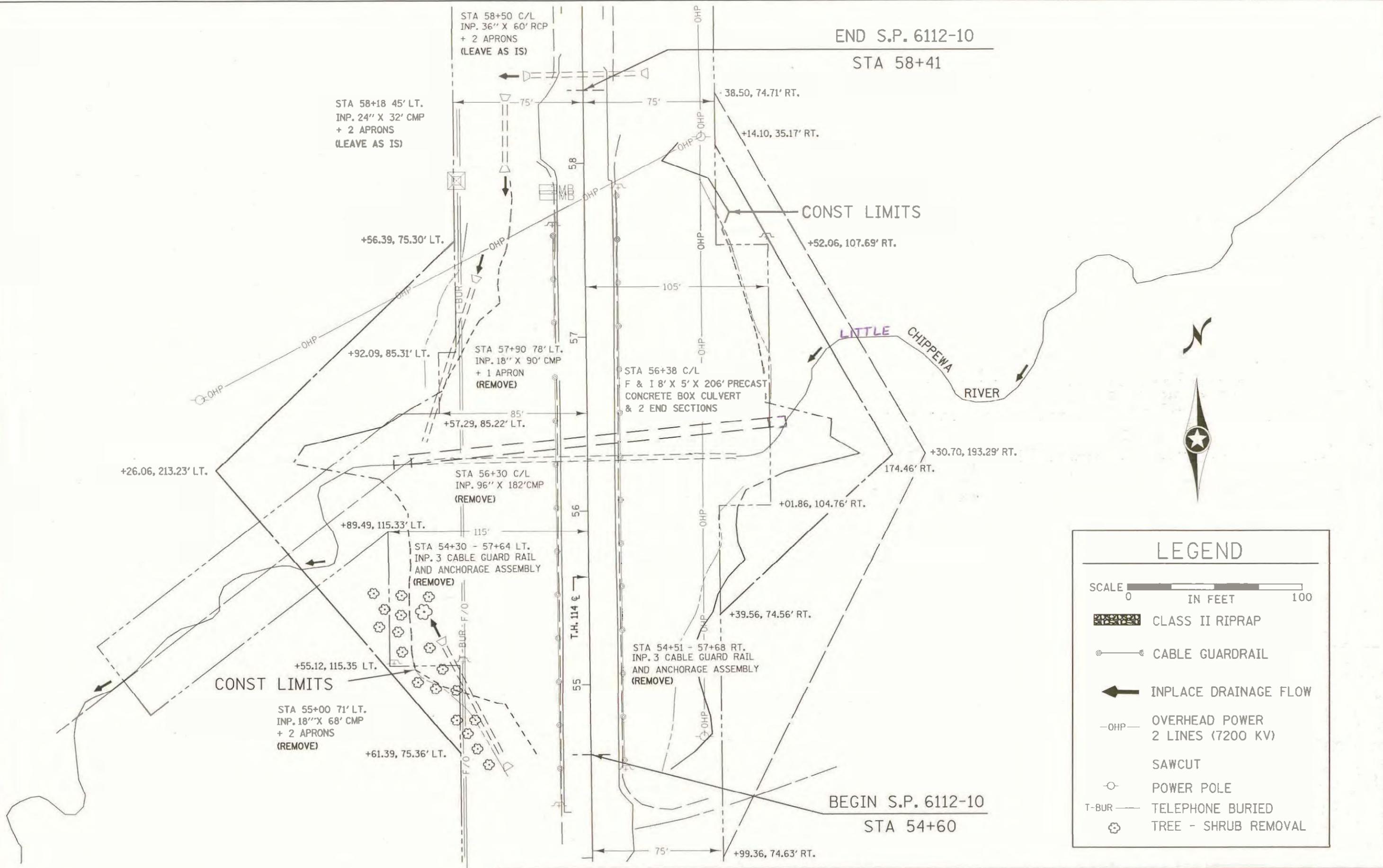
## POPE COUNTY TRIBUNE

Advertising      Job Printing

634-4571

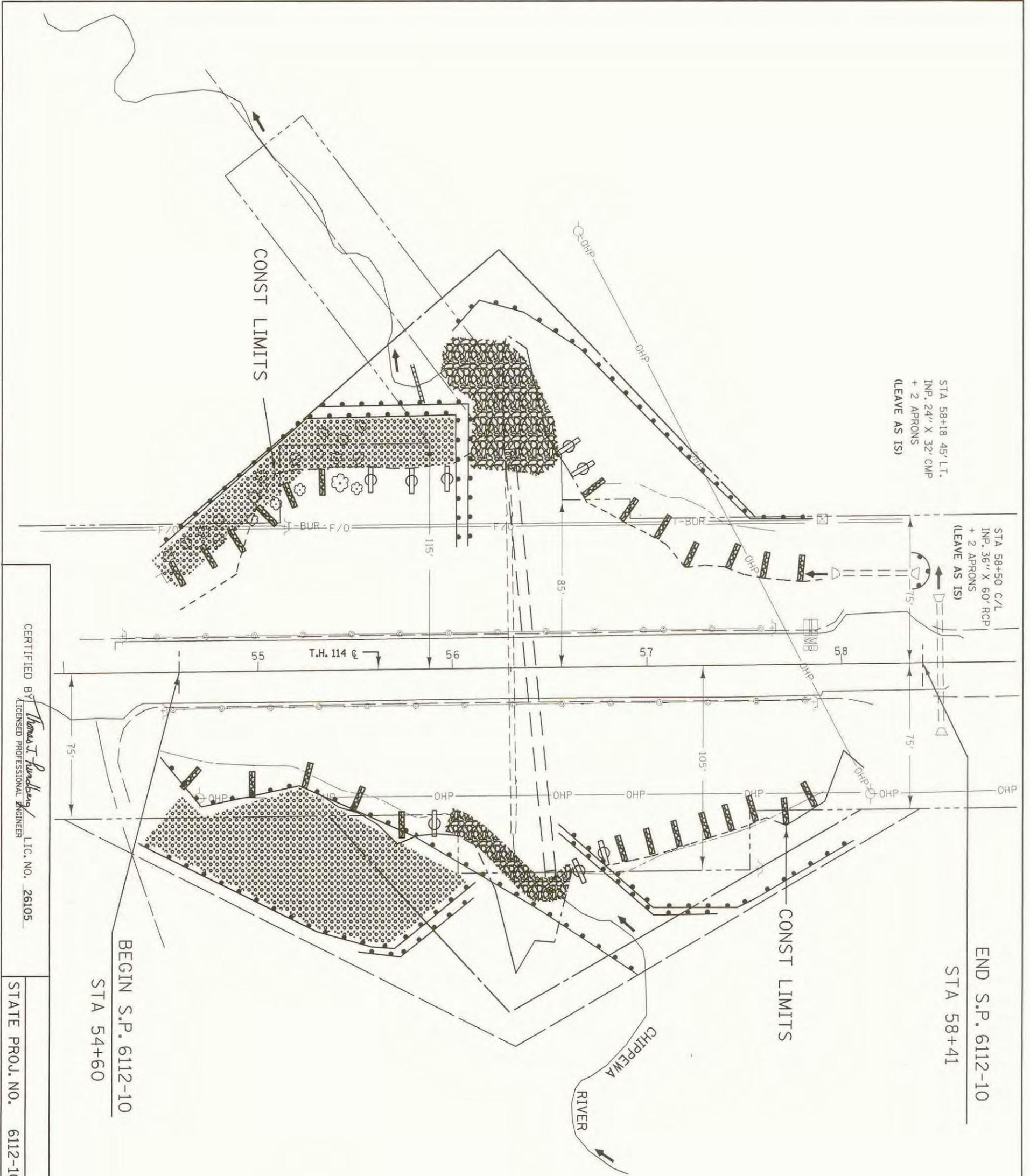
PLOTTED/REVISED: 03-JAN-2008

DISTRICT #: DISTRICT 4  
PLOT NAME: 406/1210.op  
PATH & FILENAME: S:\D\47\les\TH14\61210\design\406/1210\_op.dgn



CERTIFIED BY *Thomas J. Lundberg* LIC. NO. 26105  
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION PLAN SHEET  
STATE PROJ. NO. 6112-10 (TH 114) SHEET NO. 14 OF 29 SHEETS



**LEGEND**

SCALE 0 100 IN FEET

- CLASS II RIPRAP
- CABLE GUARDRAIL
- INPLACE DRAINAGE FLOW
- OVERHEAD POWER 2 LINES (7200 KV)
- POWER POLE
- RAPID STABILIZATION (STOCKPILE AREAS)
- SILT FENCE,
- TYPE MACH, SLICED TEMP. DITCH CHECK TYPE 2
- TEMP. DITCH CHECK TYPE 7

CERTIFIED BY *Thomas J. Hundberg*  
 LICENSED PROFESSIONAL ENGINEER LIC. NO. 26105

STATE PROJ. NO. 6112-10 (TH 114) SHEET NO. 16 OF 29 SHEETS

TEMPORARY EROSION CONTROL SHEET