



State of North Dakota

Office of the State Engineer

900 EAST BOULEVARD AVE. • BISMARCK, ND 58505-0850
701-328-2750 • FAX 701-328-3696 • <http://swc.nd.gov>

April 27, 2015

Mr. Al Koeckeritz
215 South Cascade St.
Fergus Falls, MN 56537

RE: Submitted Application for Surface Drain

Dear Mr. Koeckeritz:

Our office received an Application for Surface Drain from HDR Engineering Inc. for a transmission pole to be constructed in the SE ¼ of Section 24, Township 129 North, Range 63 West, Dickey County, North Dakota. The installation is to be constructed by Big Stone South to Ellendale and includes a concrete, cylindrical foundation structure with a 7-foot wide diameter and 5-feet high reveal above the ground surface. The structure will be placed within a reservoir to Dry Branch.

Upon review of the information submitted, our office has determined that the placement of this structure does not constitute drainage under North Dakota Century Code section 61-32-03, and therefore, does not require a surface drain permit.

Please contact me at 701-328-4949 or mlindsay@nd.gov if you have any questions concerning this correspondence.

Sincerely,

A handwritten signature in black ink that reads "Matt Lindsay". The signature is written in a cursive style.

Matt Lindsay, E.I.T.
Water Resource Engineer
Regulatory Section

ML:ph/1101

Enclosures

cc: **Michael Swenson – HDR Engineering Inc.**
Dickey County Water Resource District

~~John P.~~
John P.

BSS+E

Big Stone South to Ellendale

April 1, 2015

North Dakota State Engineer
Water Development Division
900 East Boulevard Avenue, Dept 770
Bismarck, ND 58505

RE: Application for Surface Drain Permit

To Whom it May Concern,

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc., a Delaware corporation (Montana-Dakota), and Otter Tail Power Company, a Minnesota corporation (Otter Tail Power), (jointly, the Applicants), propose to construct the Big Stone South to Ellendale Project (Project). The Project consists of both a 345 kilovolt (kV) transmission line that is approximately 160 to 170 miles long traversing through North Dakota and South Dakota, and the Ellendale 345-kV Substation located near Ellendale, North Dakota.

On behalf of the Applicants, HDR Engineering Inc. (HDR) is submitting the attached Application for Surface Drain for a transmission line structure foundation located within a slough that is adjacent to Dry Branch Creek in Section 24, Township 129N and Range 63 in Dickey County, North Dakota. HDR performed a geographical information systems (GIS) analysis of the proposed structure foundation locations in relation to water resources and their associated drainage areas. The results of this analysis identified one structure location (structure 24) that meets the conditions necessitating a drainage permit as defined in NDCC Section 61-32-03. The foundation of the structure would consist of a cylindrical 7-foot-wide diameter concrete foundation with a length of 32-feet embedded into the ground and 5-feet high reveal above the ground surface. Fill amounts associated with this application were calculated as the material needed for the 5 feet reveal placed in the watershed that will be located above the surface of the ground, equaling approximately 7.12 cubic yards.

If you have any questions or need additional information in order to facilitate this request, please contact me at 763-278-5946 or michael.swenson@hdrinc.com.

Sincerely,

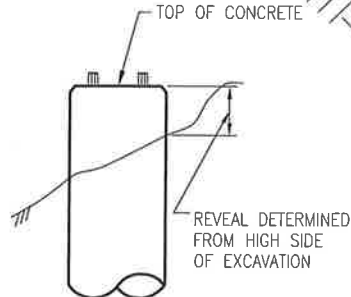
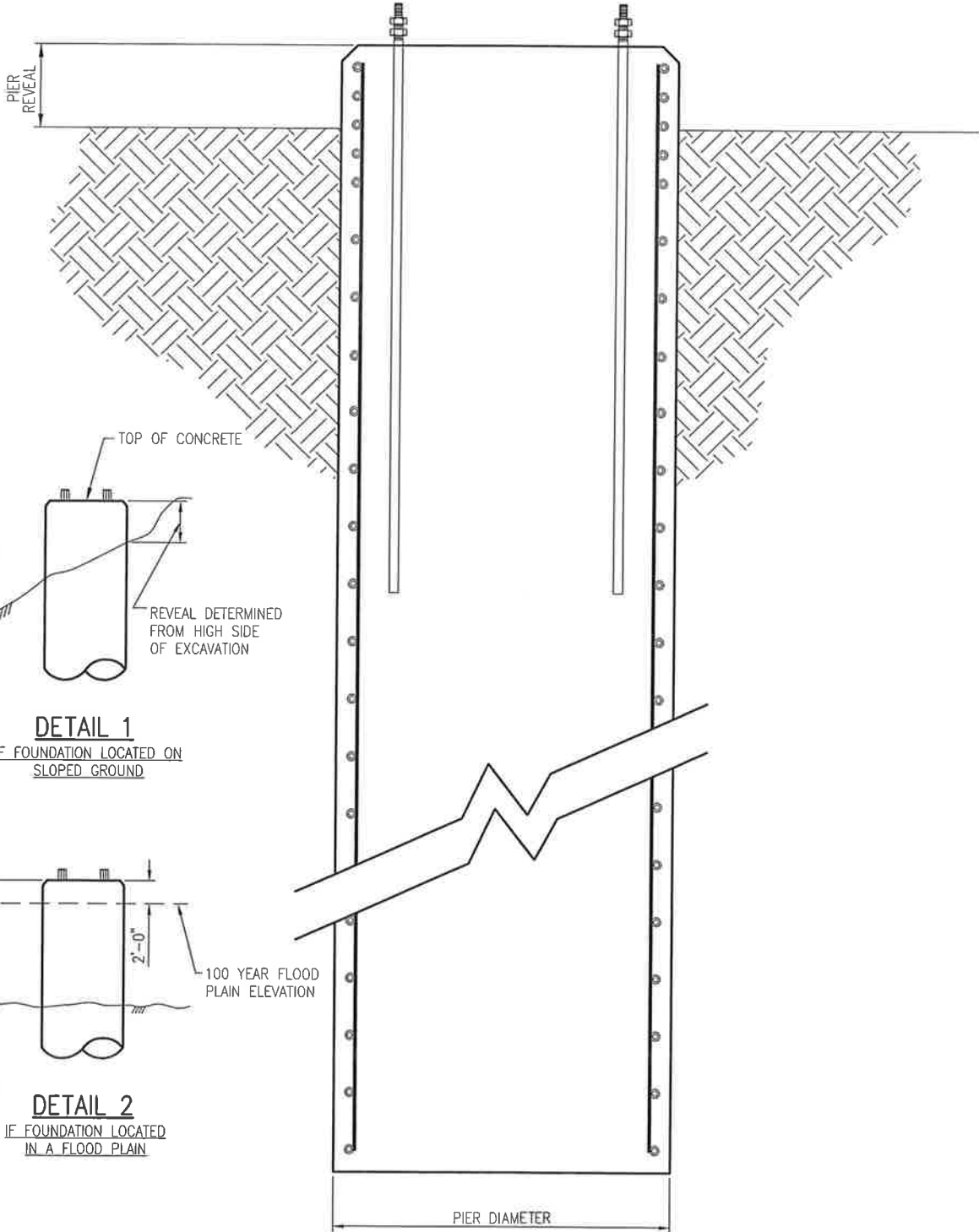


HDR Engineering Inc.
Michael Swenson
Environmental Scientist

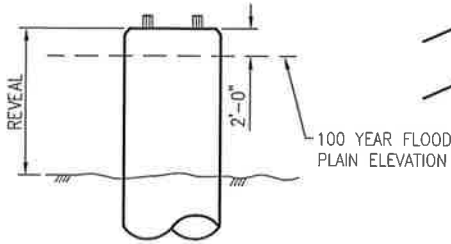
APR - 1 2015

THIS DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A SPECIFIC PROJECT, TAKING INTO CONSIDERATION THE SPECIFIC AND UNIQUE REQUIREMENTS OF THE PROJECT. REUSE OF THIS DRAWING OR ANY INFORMATION CONTAINED IN THIS DRAWING FOR ANY PURPOSE IS PROHIBITED UNLESS WRITTEN PERMISSION FROM BOTH POWER AND POWER'S CLIENT IS GRANTED.

B	REVISED FOR DETAIL 2	03/23/15	CSF	DJF	GMD	
A	ISSUED FOR REFERENCE	03/09/15	CSF	DJF	GMD	
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD



DETAIL 1
IF FOUNDATION LOCATED ON SLOPED GROUND



DETAIL 2
IF FOUNDATION LOCATED IN A FLOOD PLAIN

PROFILE

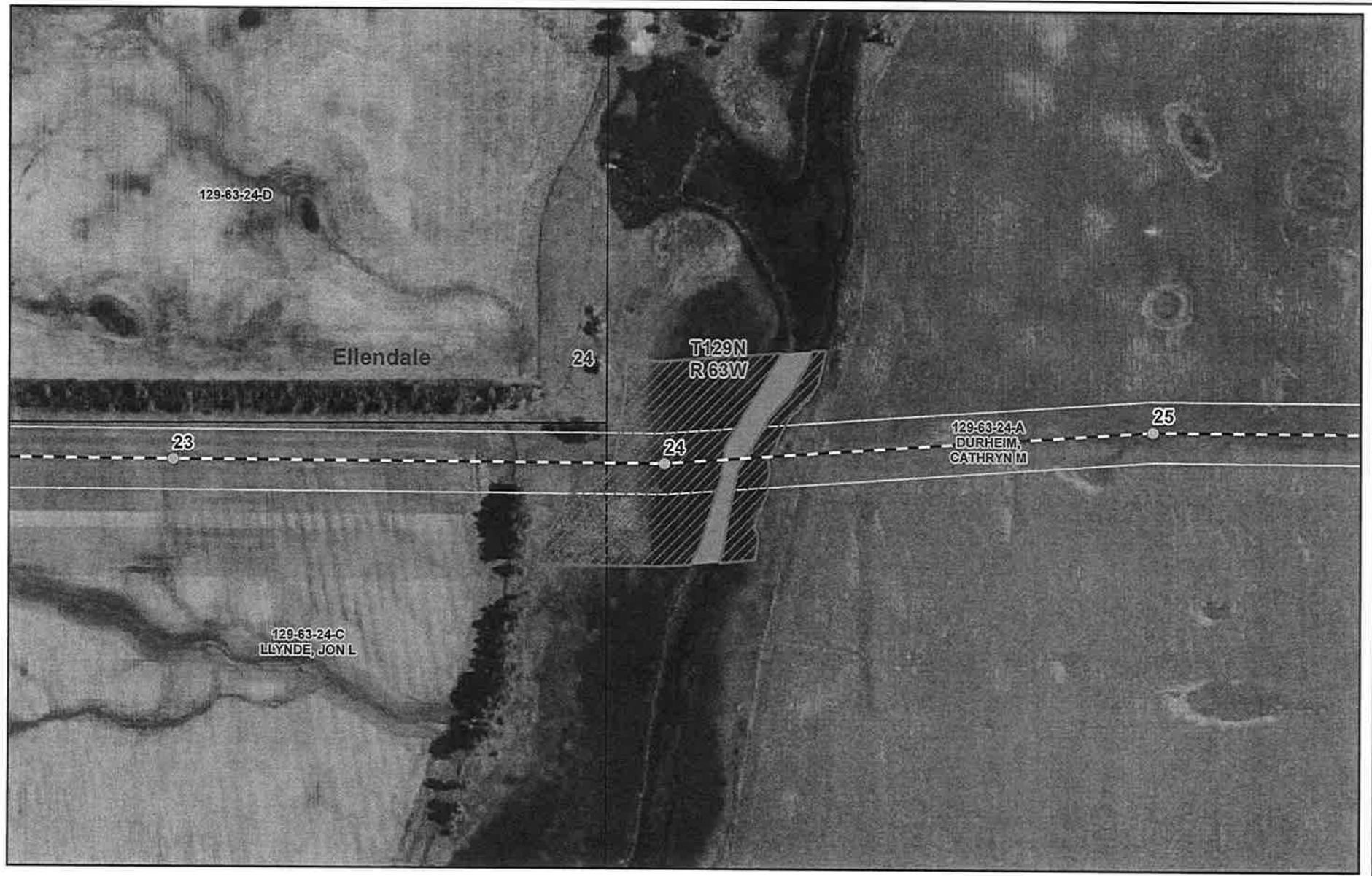
c:\projects\136508 BSS\DWG\02 Struct\01 Structure Drawings\02 Native Files\PER-FND01.dwg DRILLED Pier-Profile Mar 23, 2015 - 4:07pm

FILE	DSGN	PEI	03/09/15
	DRN	PEI	03/09/15
	CKD	PEI	03/09/15
SCALE: N.T.S.			
FOR 8.5x11 DWG ONLY			

BSS-E
Big Stone South to Ellendale

OTTER TAIL POWER CO. & MONTANA-DAKOTA UTIL. CO.
TYPICAL FOUNDATION DETAIL
DRILLED PIER - PROFILE VIEW
BIG STONE SOUTH - ELLENDALE

JOB NUMBER	REV
136508	
DRAWING NUMBER	
PER-FND01	



Structure 24
Parcel 129-63-24-A
 Big Stone South to Ellendale
 345 kV Transmission Line Project
 North Dakota and South Dakota

- | | |
|----------------------------------|--|
| Structures as of 12/31/2014 | Field Delineated Wetlands (October 2014) |
| Preferred Route as of 12/31/2014 | Other Water, Jurisdictional |
| ROW as of 12/31/2014 | Wetland, Jurisdictional |
| Parcel Boundaries | |



BSS+E
 It's a Good Journey to Ellendale

1:4,000

