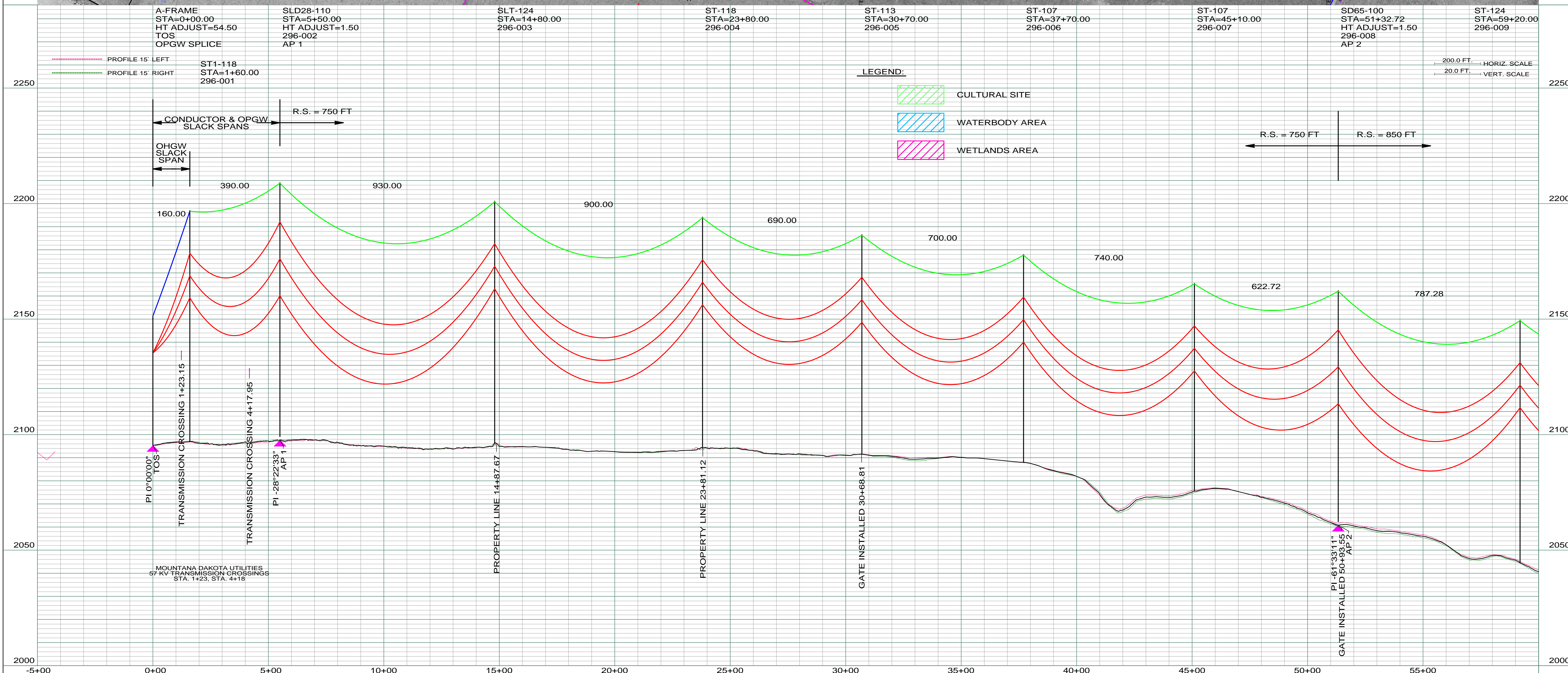


LIDAR & AERIAL PHOTOGRAPHY
JULY 20, 2008
FUGRO HORIZONS, INC.



REV	DESCRIPTION	DRWN	DSGN	APPD	DATE	REV	DESCRIPTION	DRWN	DSGN	APPD	DATE
1	ISSUE FOR BID	CDB	CDB	DAM	10/27/09						
2	ISSUED FOR CONSTRUCTION	CDB	CDB	DAM	02/03/10						
3	MODIFIED CROSSING TEXT AND MILE INFORMATION	CDB	CDB	DAM	03/11/10						
4	AS-BUILT	CDB	CDB	DAM	03/07/11						

STATE NAME:	NAD83 NDSPCS INTL FT NORTH ZONE
NORTH DAKOTA	

DESIGN INFORMATION					
	SIZE	STRINGING TENSION	NESC TENSION	DESIGN R.S.	ACTUAL R.S.
CONDUCTOR	1272 MCM 45/7 ACSR	2194	12617	338	338
OPGW	AC-71/571	710	2500	337	337
OHGW	3/8" E.H.S. STEEL	513	1634	155	155

DESIGN BY:	DAM/CDB	10/12/09
DRAWN BY:	CDB	10/12/09
DESIGN CHK:	MBN ENGRG.	01/08/10
DRAFT CHK:		
APPROVED:	DAM	10/12/09

FACILITY:	TRANSMISSION SYSTEM MAINTENANCE
LOCATION UNIT:	296-230KV LINE-WILLISTON SUBSTATION TO TIOGA SUBSTATION
WILLISTON TO TIOGA 230KV TRANSMISSION LINE	
PLAN AND PROFILE	
MILE 1	

	BASIN ELECTRIC POWER COOPERATIVE
	1717 EAST INTERSTATE AVENUE BISMARCK, NORTH DAKOTA PHONE 701-223-0441
SCALE:	COUNTY NAME:
AS SHOWN	WILLIAMS
BASIN DRAWING NO.	REV.
296-090-T3-001	4