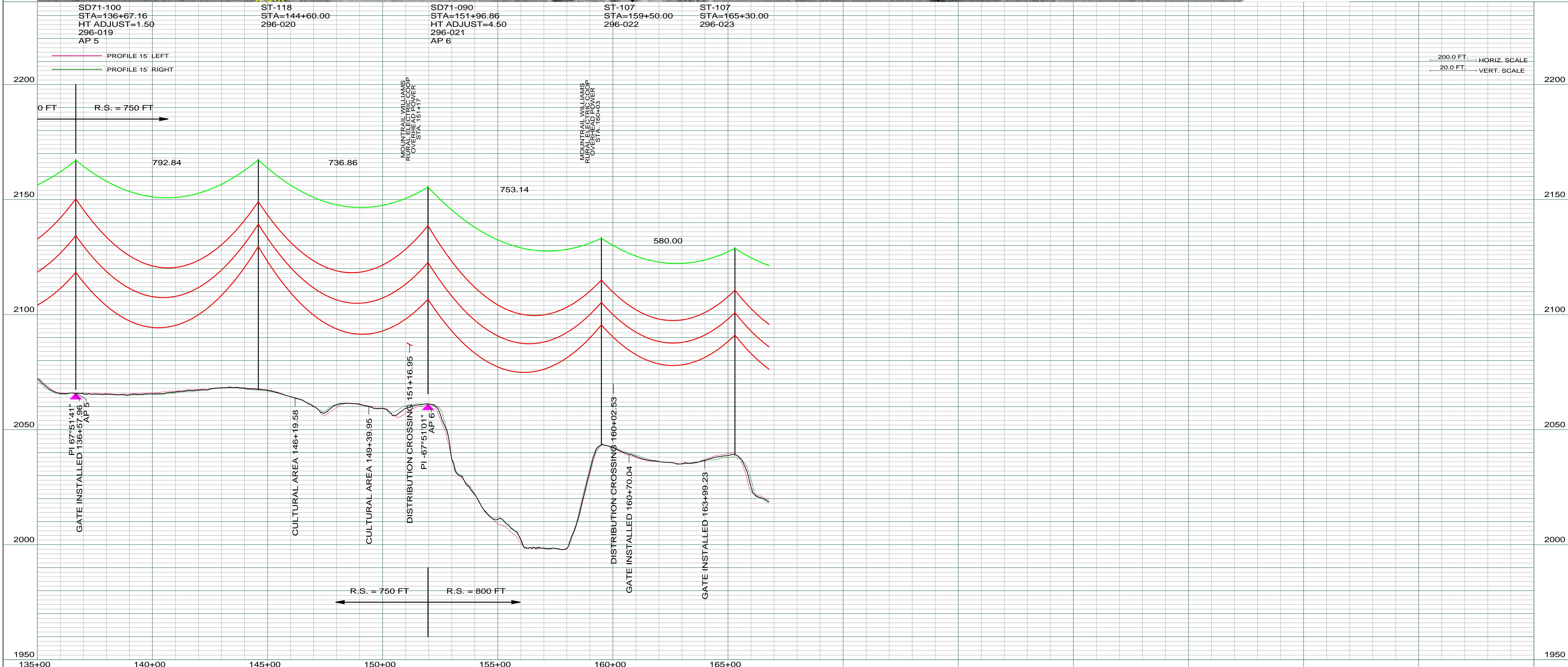


LIDAR & AERIAL PHOTOGRAPHY  
JULY 20, 2009  
FUGRO HORIZONS, INC.



SD71-100  
STA=136+67.16  
HT ADJUST=1.50  
296-019  
AP 5

ST-118  
STA=144+60.00  
296-020

SD71-090  
STA=151+96.86  
HT ADJUST=4.50  
296-021  
AP 6

ST-107  
STA=159+50.00  
296-022

ST-107  
STA=165+30.00  
296-023

PROFILE 15' LEFT  
PROFILE 15' RIGHT

200.0 FT. HORIZ. SCALE  
20.0 FT. VERT. SCALE

REV	DESCRIPTION	DRWN	DSGN	APPD	DATE	REV	DESCRIPTION	DRWN	DSGN	APPD	DATE
1	MOVED STR 20 BK 10 FEET, ISSUE FOR BID	CDB	CDB	DAM	10/22/09	5	AS-BUILT	CDB	CDB	DAM	03/07/11
2	ISSUED FOR CONSTRUCTION	CDB	CDB	DAM	02/03/10						
3	MODIFIED CROSSING TEXT AND MILE INFORMATION	CDB	CDB	DAM	03/11/10						
4	ADDED DISTRIBUTION CROSSING AT STATION 151+17 ADJUSTED STR 021 HEIGHT TO 4.5 FT REVEAL	CDB	CDB	DAM	03/31/10						

STATE NAME: NORTH DAKOTA		NAD83 NDSPCS INTL FT NORTH ZONE			
DESIGN INFORMATION					
CONDUCTOR	SIZE	STRINGING TENSION	NESC TENSION	DESIGN R.S.	ACTUAL R.S.
	1272 MCM 45/7 ACSR	6555	12617	750	766
	OPGW AC-71/571	2277	5810	750	766

FACILITY: TRANSMISSION SYSTEM MAINTENANCE  
LOCATION UNIT: 296-230KV LINE-WILLISTON SUBSTATION TO TIOGA SUBSTATION

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

WILLISTON TO TIOGA 230KV TRANSMISSION LINE  
PLAN AND PROFILE  
MILE 2 & 3

SCALE: AS SHOWN  
COUNTY NAME: WILLIAMS  
BASIN DRAWING NO. 296-090-T3-004  
REV. 5



BASIN ELECTRIC  
POWER COOPERATIVE  
1717 EAST INTERSTATE AVENUE  
BISMARCK, NORTH DAKOTA  
PHONE 701-223-0441