

CONDUCTOR: 959.6 KCMIL SUWANNEE ACSR/TW DISPLAYED @ EXTREME ICE, NO WIND; CLEARANCE: 30 FT  
 OPGW: 49F69S - 24 STRAND, DISPLAYED @ -30 DEGREES F  
 SHIELD WIRE: 1/2" EHS STEEL, DISPLAYED @ -30 DEGREES F

REV	DATE	APP	DESCRIPTION	DFTR
2	11/26/14	KJH	RECORD DRAWING	BEC
1	02/21/13	HWD	ADDED STR & FR DRAWING # S, OPGW SPLICE LOCATIONS	LRK
0	06/14/12	MFJ	ISSUED FOR CONSTRUCTION	LRK



8000 S. CHESTER STREET  
 SUITE 500  
 CENTENNIAL, CO 80112

A STANLEY GROUP COMPANY  
 ENGINEERING, ENVIRONMENTAL AND  
 CONSTRUCTION SERVICES - WORLDWIDE

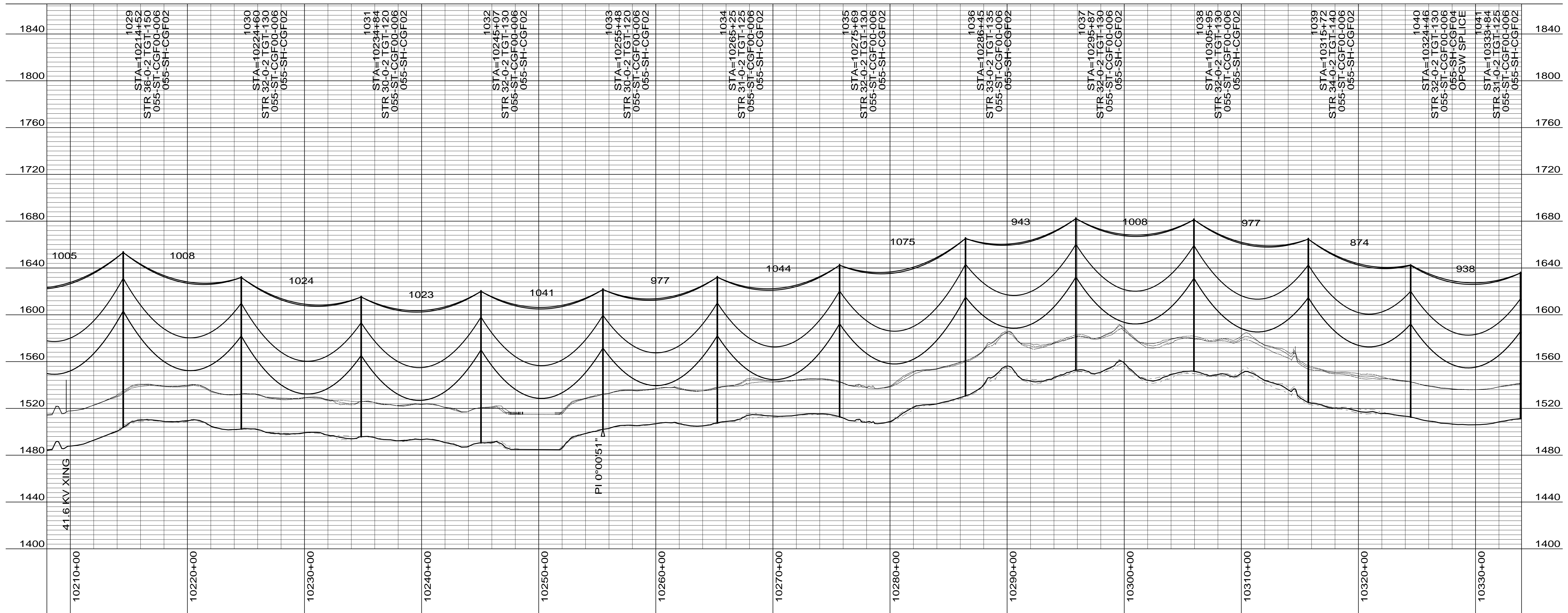
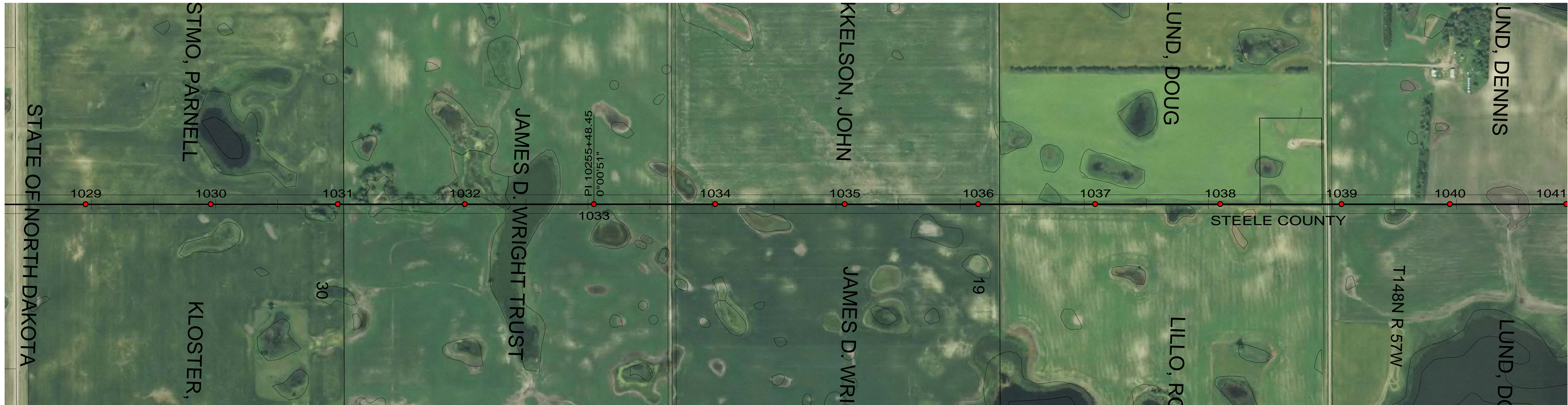
DESIGNED L.R.KETTER  
 DRAWN B.E.CAMPBELL  
 CHECKED H.W.DILLABOUGH  
 APPROVED K.J.HARROLD  
 APPROVED  
 DATE 06/14/2012

Center to Grand Forks Project



400.0 FT. HORIZ. SCALE  
 40.0 FT. VERT. SCALE

DRAWING	REV
055-PP-ST1020-001	2



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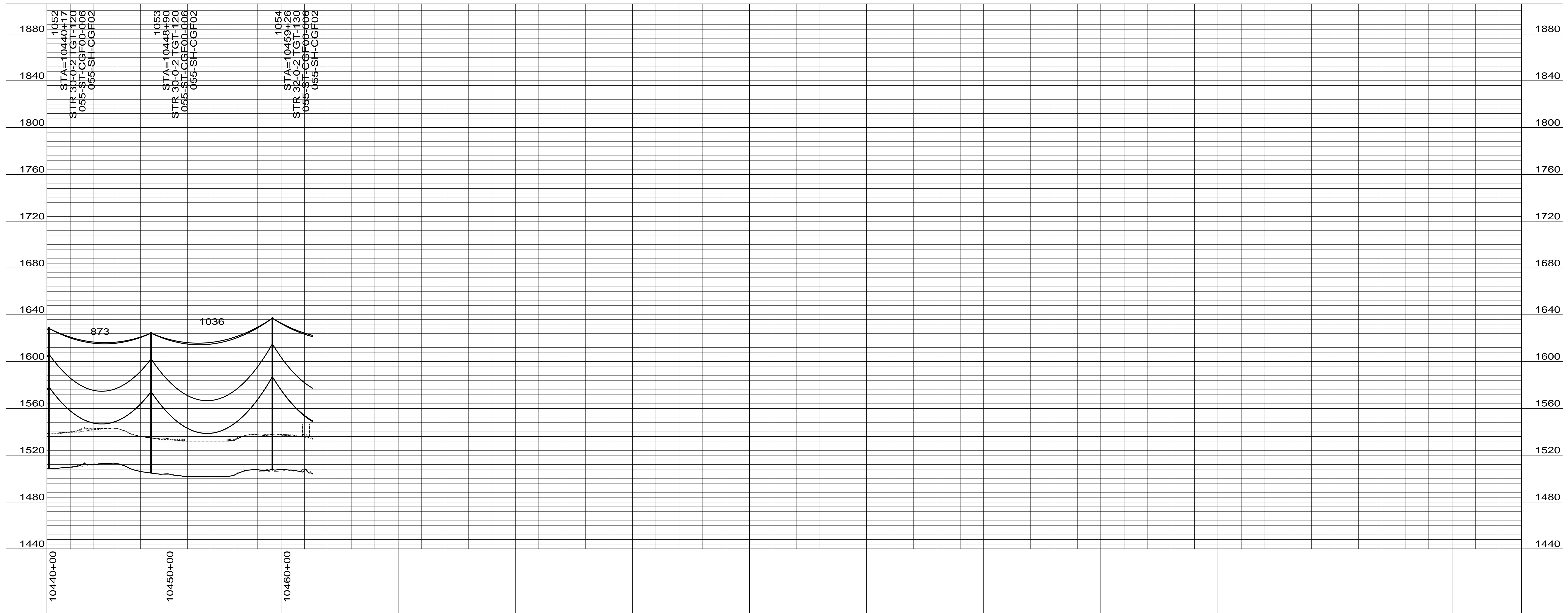
Center to Grand Forks Project

COOPERATIVE, INC.

400.0 FT. HORIZ. SCALE  
 40.0 FT. VERT. SCALE

DRAWING REV  
 055-PP-ST1029-002 2





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REV	DATE	APP	DESCRIPTION	DFTR
2	11/26/14	KJH	RECORD DRAWING	BEC
1	02/21/13	HWD	ADDED STR & FR DRAWING #'S, OPGW SPLICE LOCATIONS	LRK
0	06/14/12	MFJ	ISSUED FOR CONSTRUCTION	LRK

**Stanley Consultants Inc.**

8000 S. CHESTER STREET  
 SUITE 500  
 CENTENNIAL, CO 80112

A STANLEY GROUP COMPANY  
 ENGINEERING, ENVIRONMENTAL AND  
 CONSTRUCTION SERVICES - WORLDWIDE

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 CHECKED H.W.DILLABOUGH  
 APPROVED K.J.HARROLD  
 DATE 06/14/2012

**Center to Grand Forks Project**

**Minnkota Power**  
 COOPERATIVE, INC.

400.0 FT. HORIZ. SCALE  
 40.0 FT. VERT. SCALE

DRAWING	REV
055-PP-ST1052-004	2