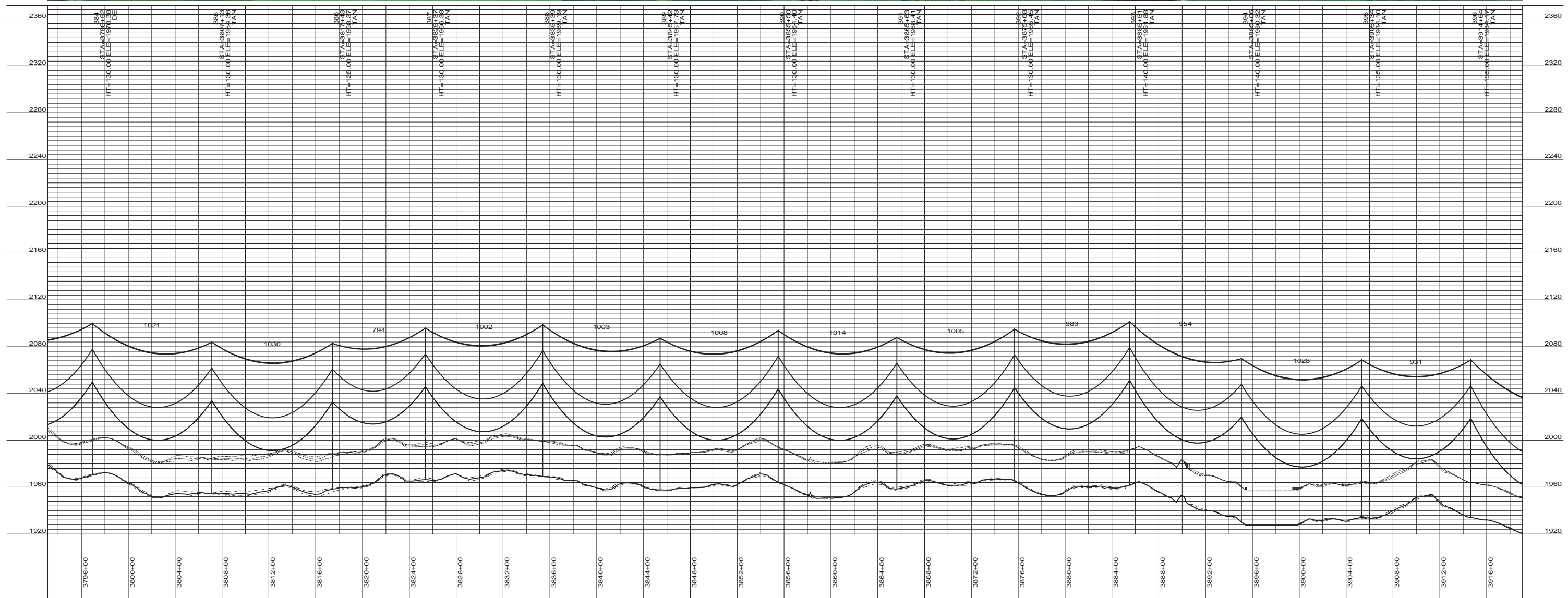


Preliminary Plan and Profile

File 2, Pages 35 to 84

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

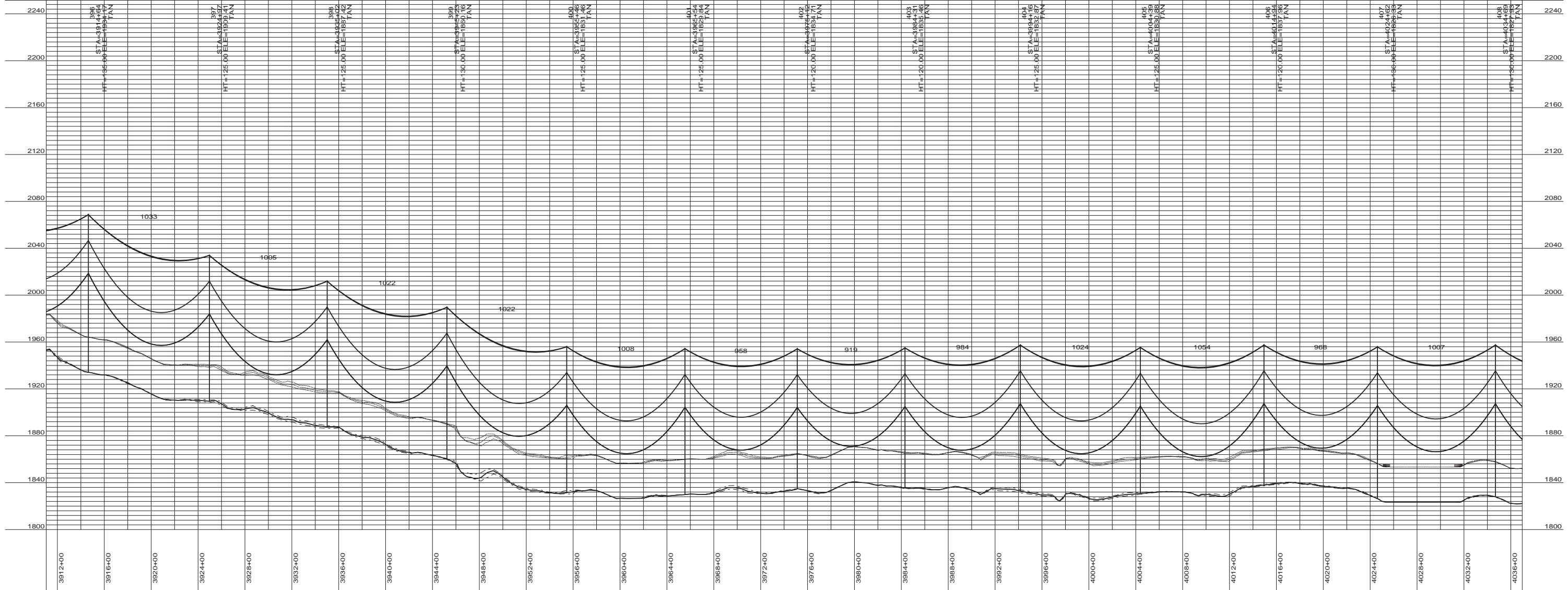
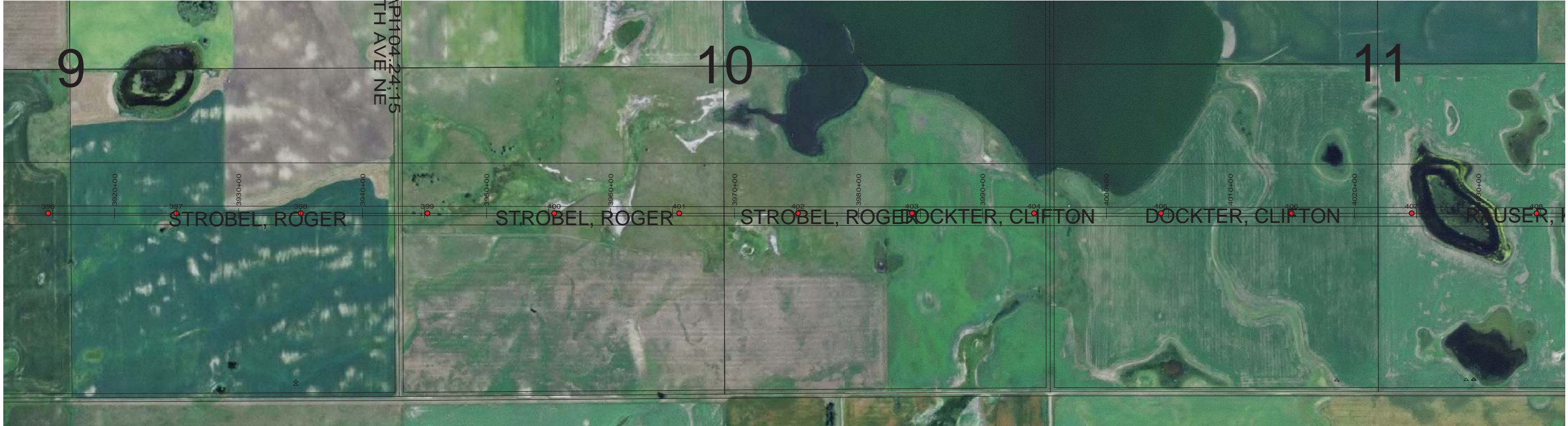
Center to Grand Forks Project

SHERIDAN COUNTY

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

55-PP-SH000-011

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

Center to Grand Forks Project



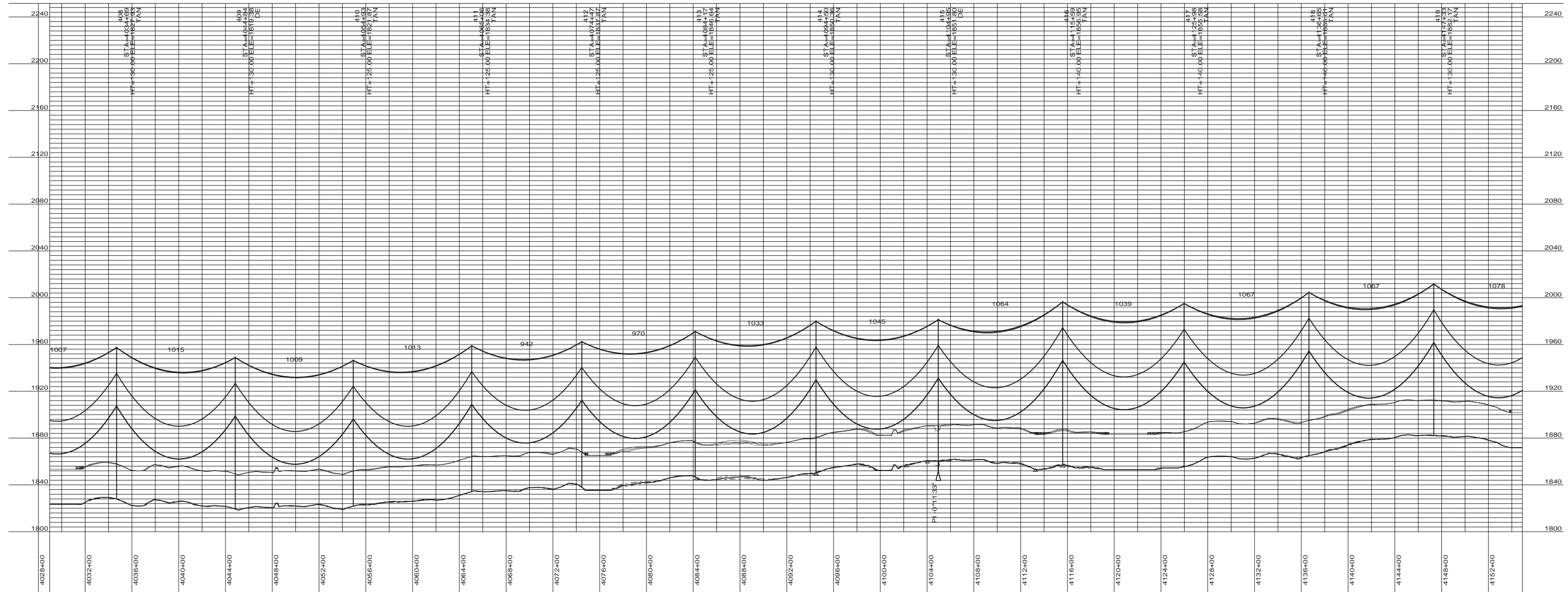
SHERIDAN COUNTY

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



55-PP-SH000-012

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

Center to Grand Forks Project



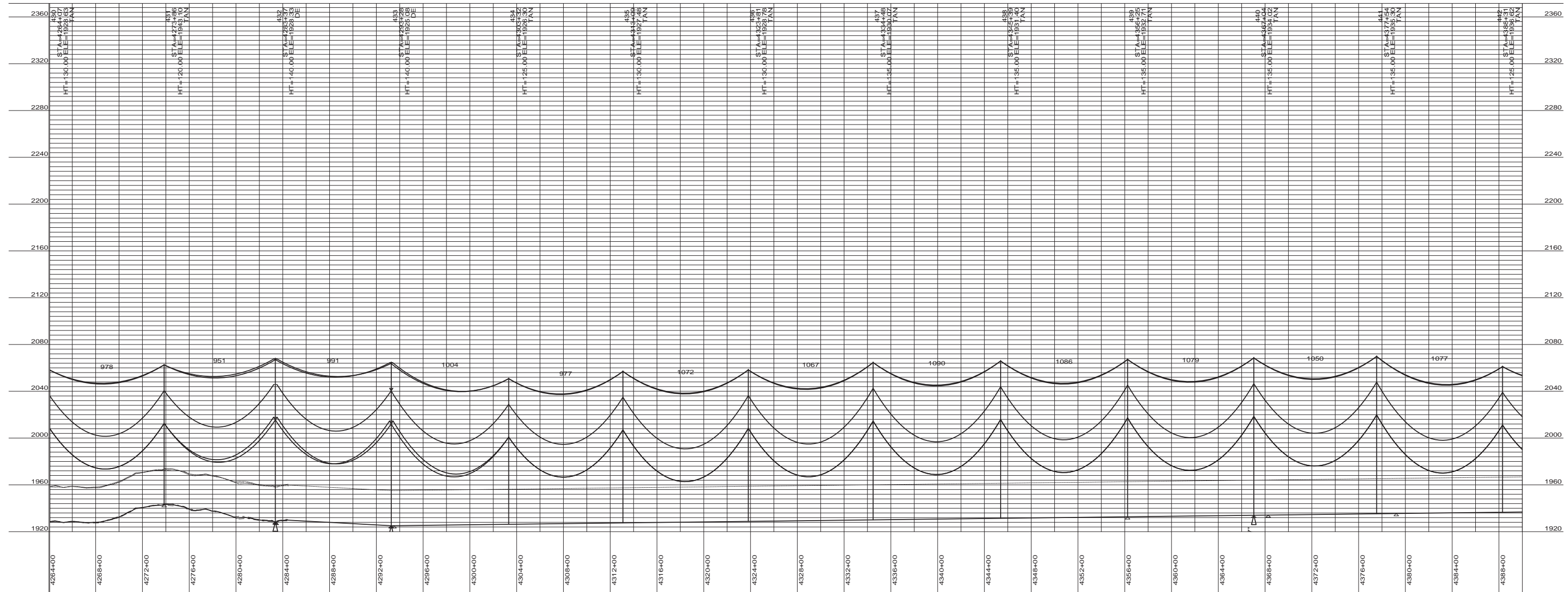
SHERIDAN COUNTY

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



55-PP-SH000-013

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

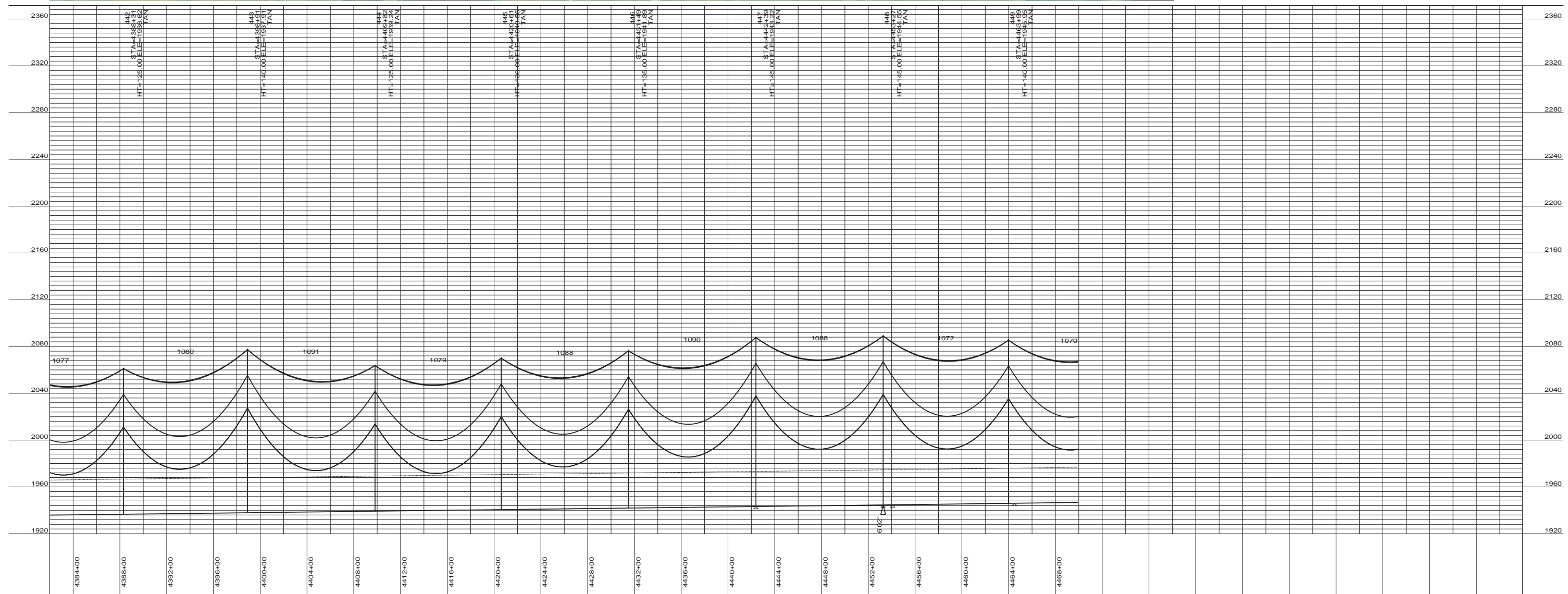
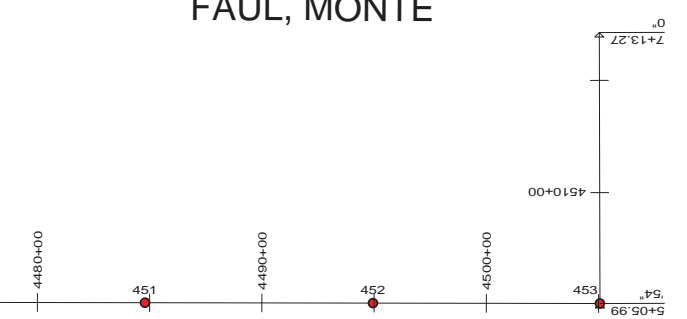
SHERIDAN COUNTY

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



55-PP-SH000-015

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

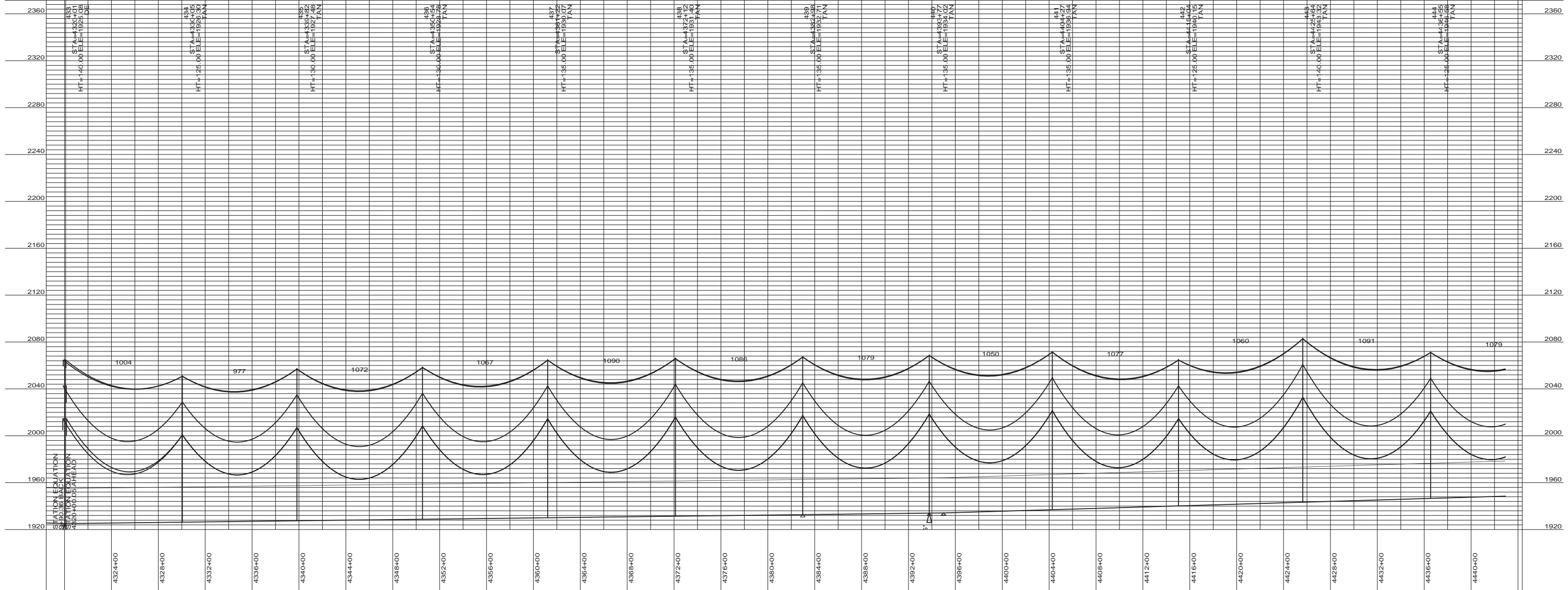
SHERIDAN COUNTY

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



55-PP-SH000-016

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

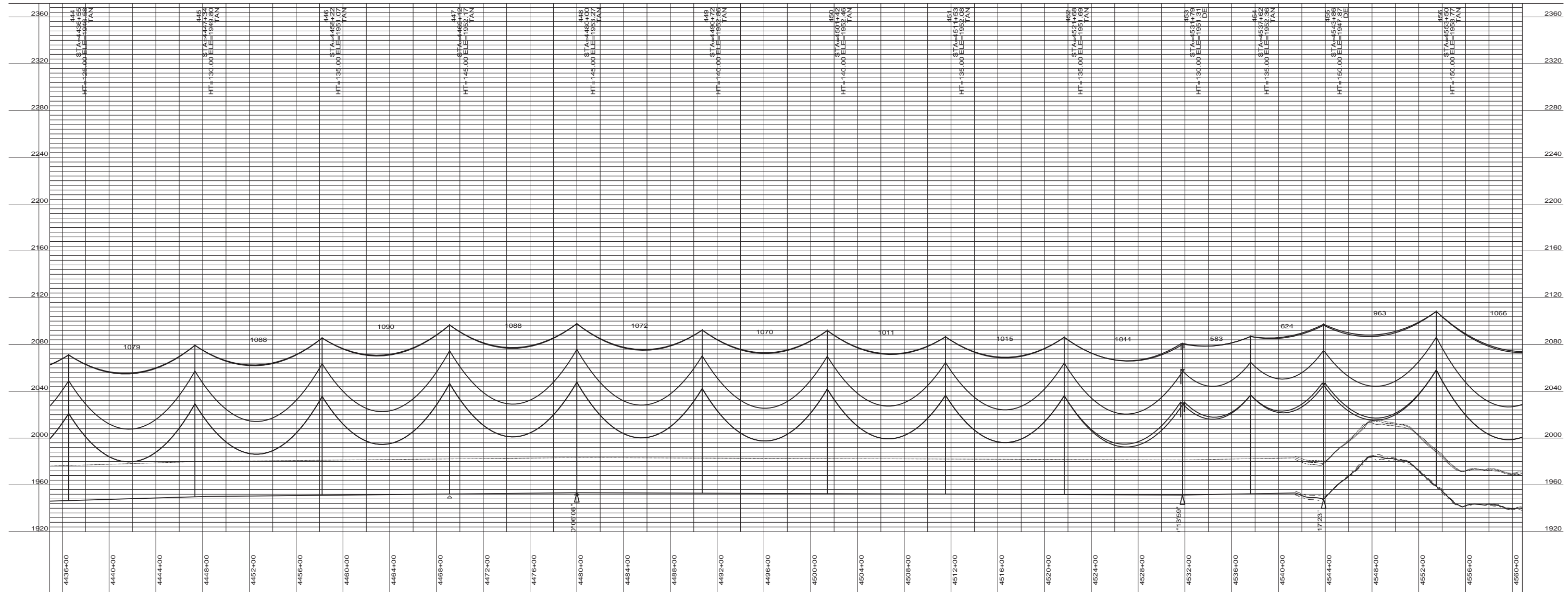
Center to Grand Forks Project

WELLS COUNTY

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

55-PP-WL000-001

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project



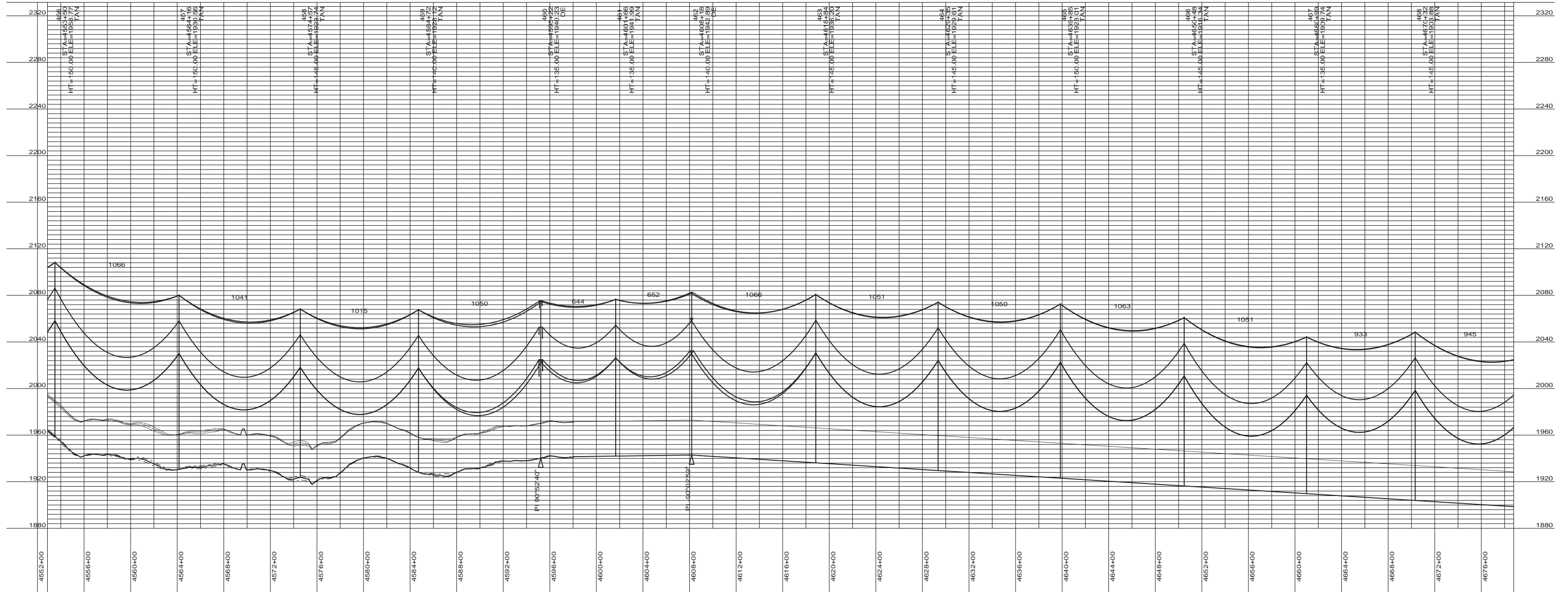
WELLS COUNTY

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



55-PP-WL000-002

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

WELLS COUNTY

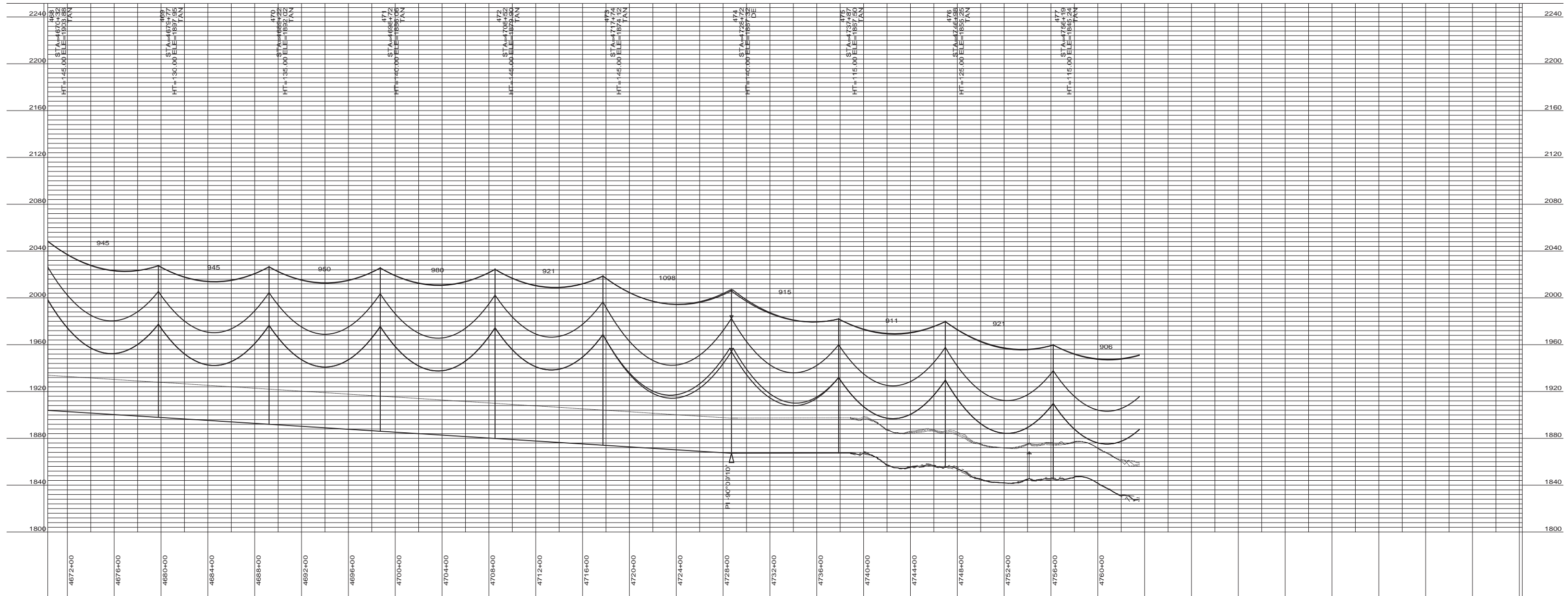
400.0 FT. → HORIZ. SCALE
 40.0 FT. → VERT. SCALE



55-PP-WL000-003

PRELIMINARY

PLS-CADD DRAWING



DESIGN CONDITIONS:
SHIELD _____
20% RTS @ -20 DEGREES F, INITIAL
CLEARANCE LINE: XX'

CONDUCTOR _____
20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
SUITE 500
CENTENNIAL, CO 80112

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

DESIGNED _____
DRAWN _____
CHECKED _____
APPROVED _____
DATE 11/14/2011

Center to Grand Forks Project

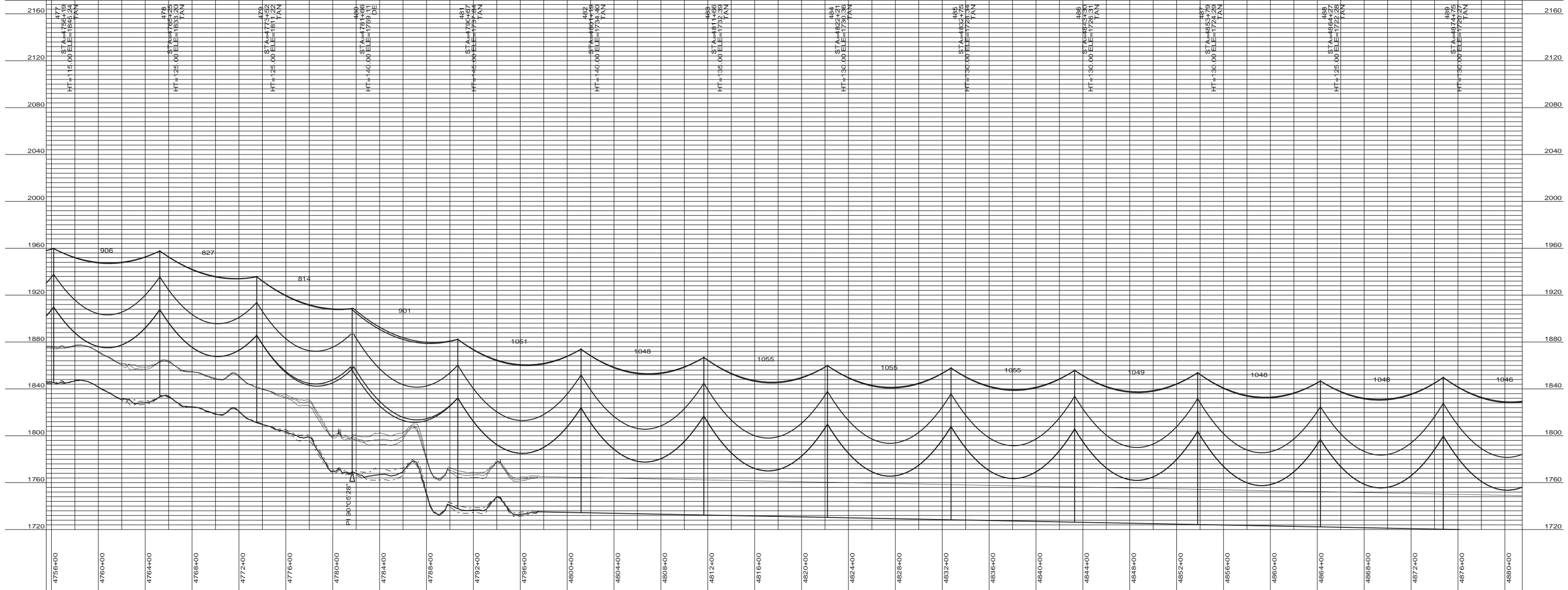
COOPERATIVE, INC.

WELLS COUNTY

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

55-PP-WL000-004

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

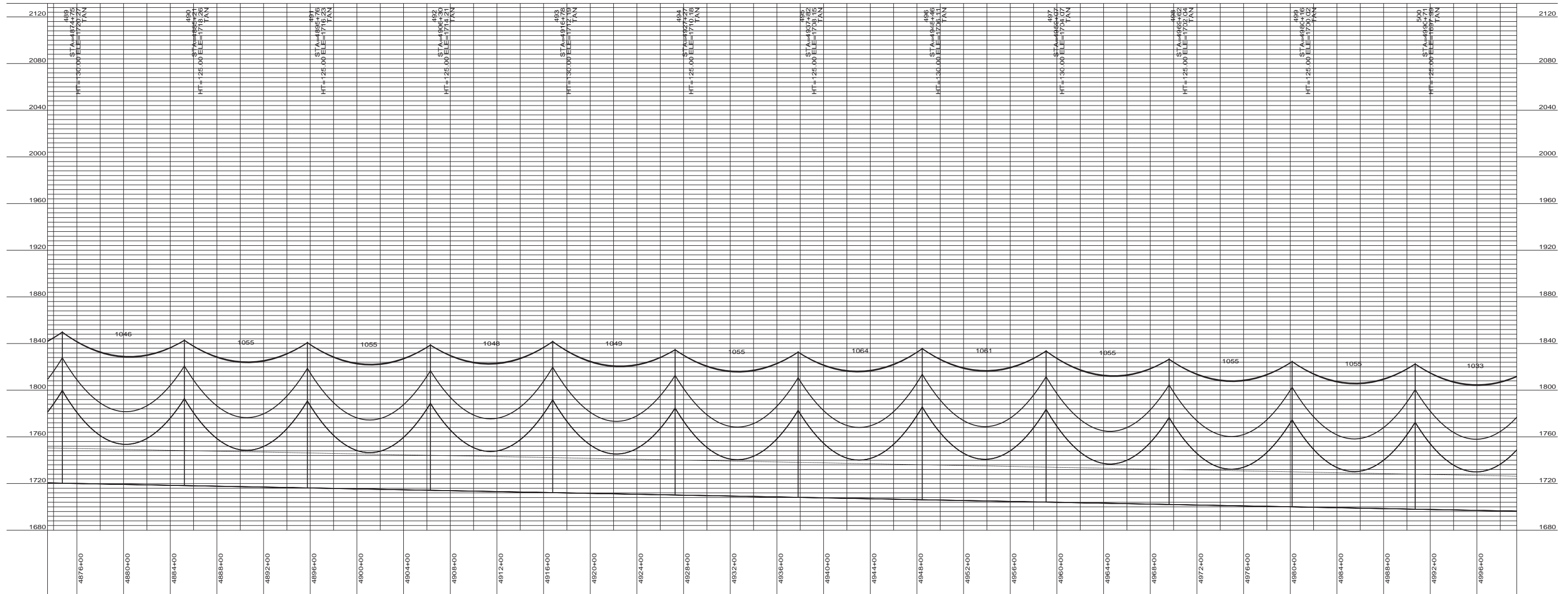
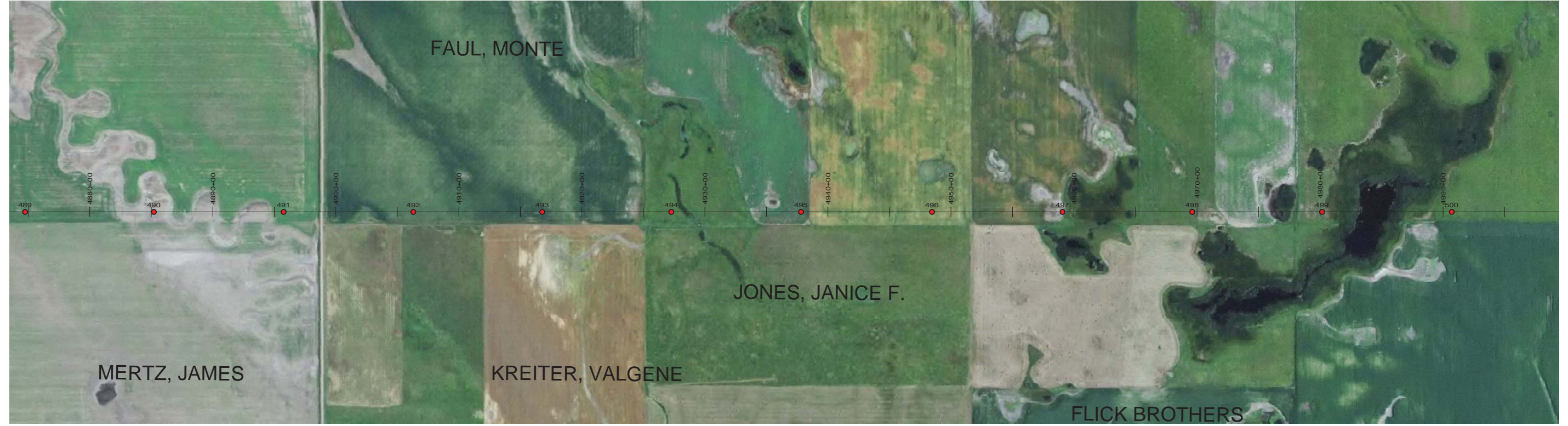
WELLS COUNTY

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



55-PP-WL000-005

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

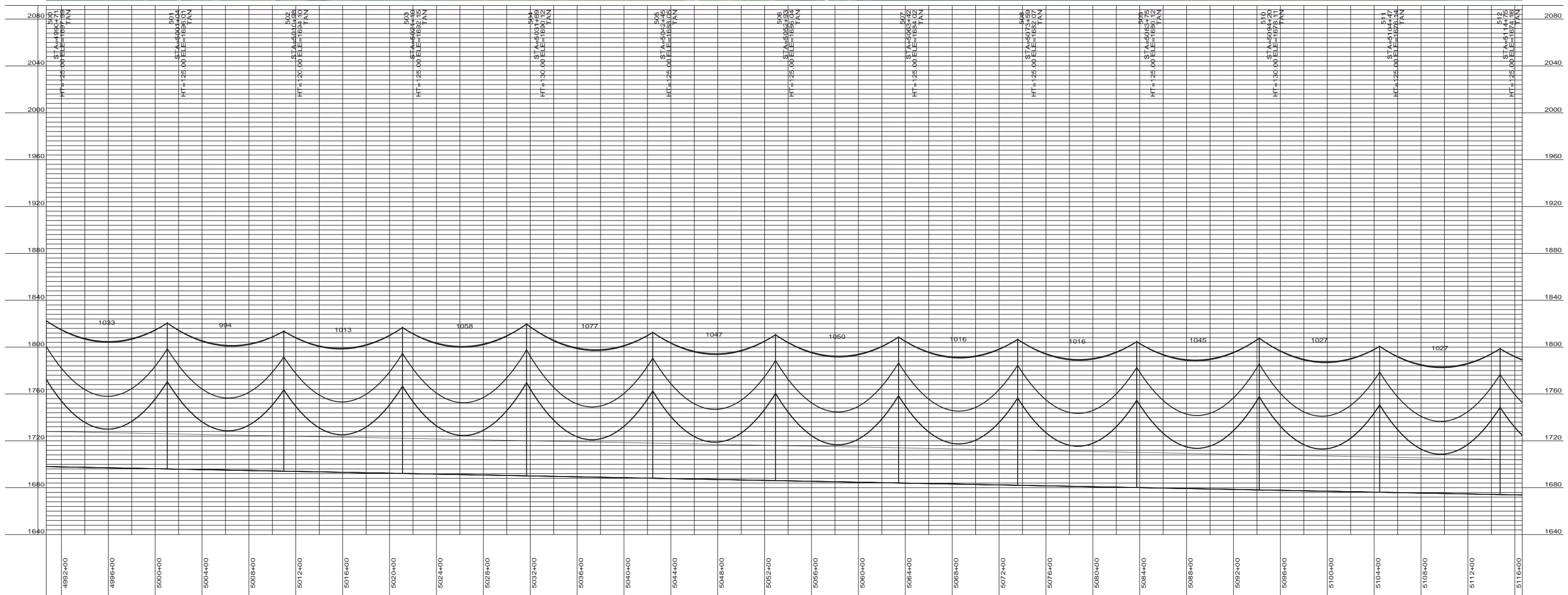
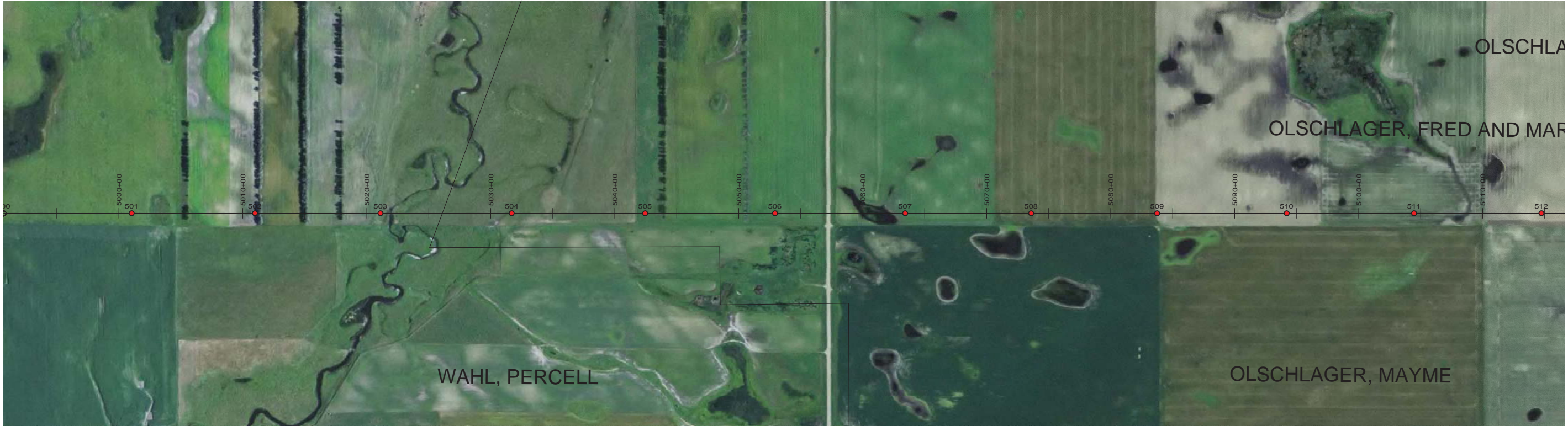
WELLS COUNTY

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



55-PP-WL000-006

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

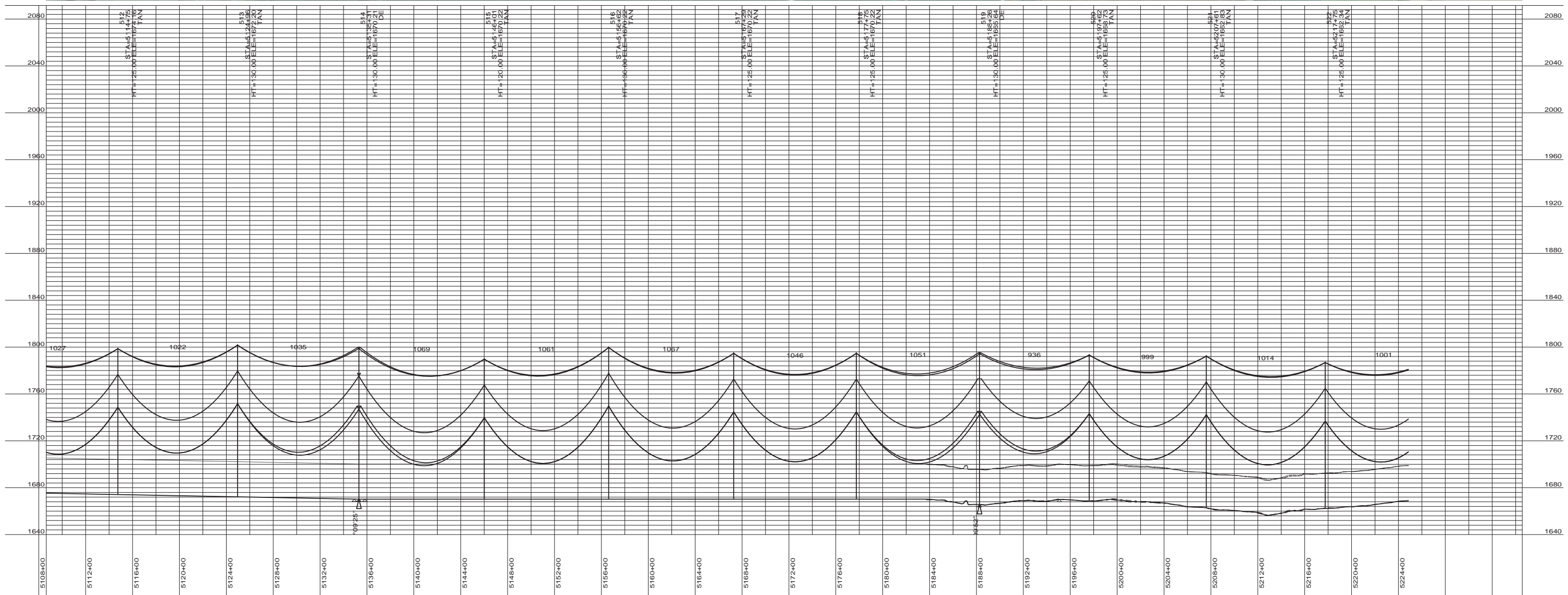
WELLS COUNTY

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



55-PP-WL000-007

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

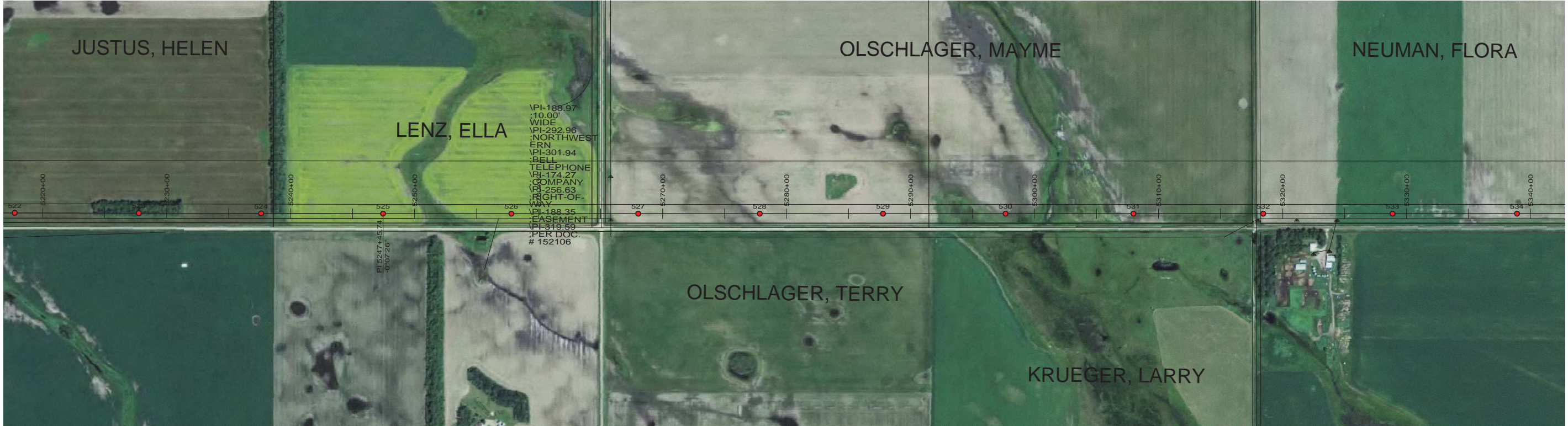
Center to Grand Forks Project

WELLS COUNTY

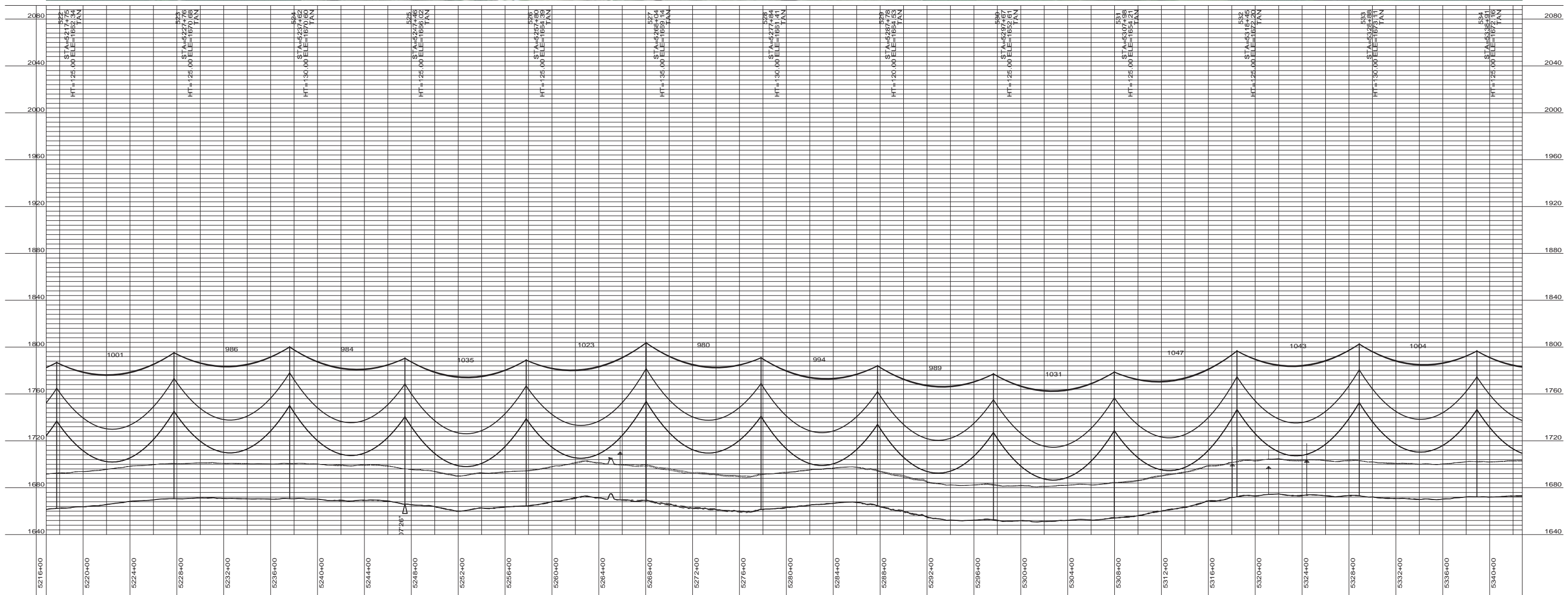
400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

55-PP-WL000-008

PRELIMINARY



VPI-188.97
:10.00'
WIDE
VPI-292.96
:NORTHWEST
ERN
VPI-301.94
:BELL
TELEPHONE
VPI-174.27
:COMPANY
VPI-256.63
:RIGHT-OF-
WAY
VPI-188.35
:EASEMENT
VPI-319.59
:PER DOC.
152106



DESIGN CONDITIONS:
SHIELD _____
20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC.

8000 S. CHESTER STREET
SUITE 500
CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



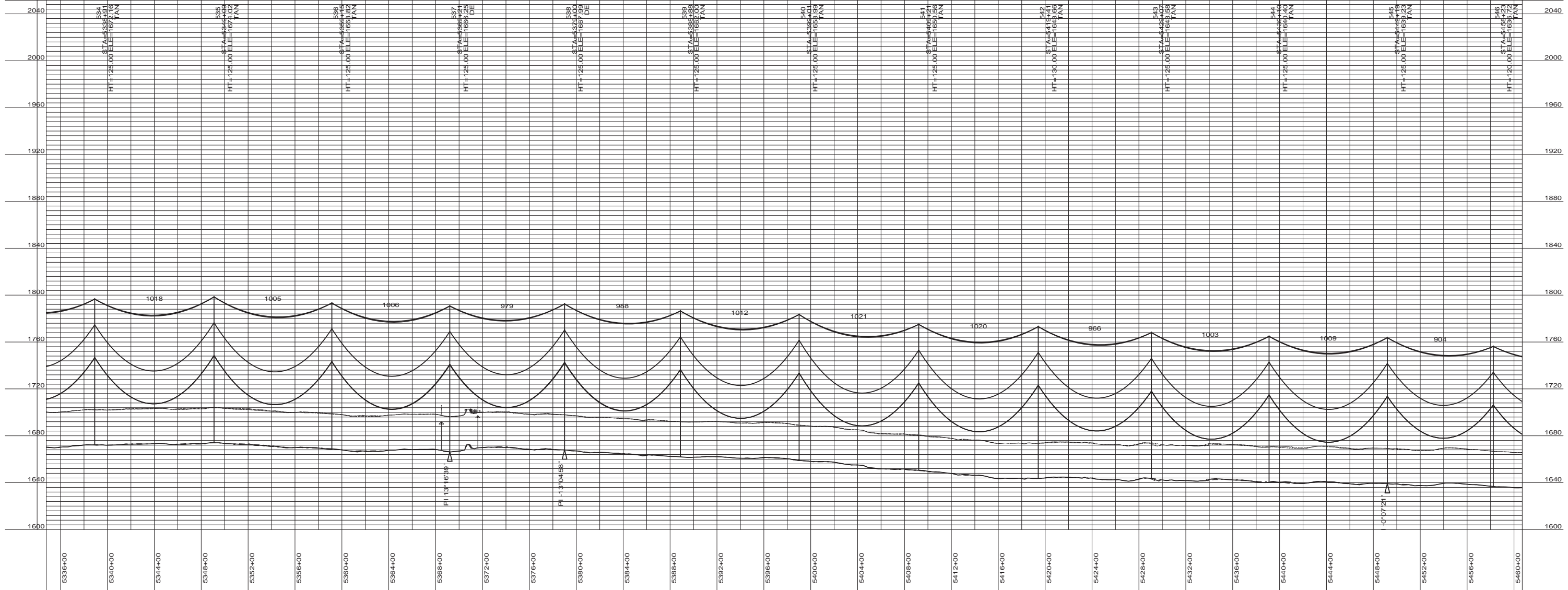
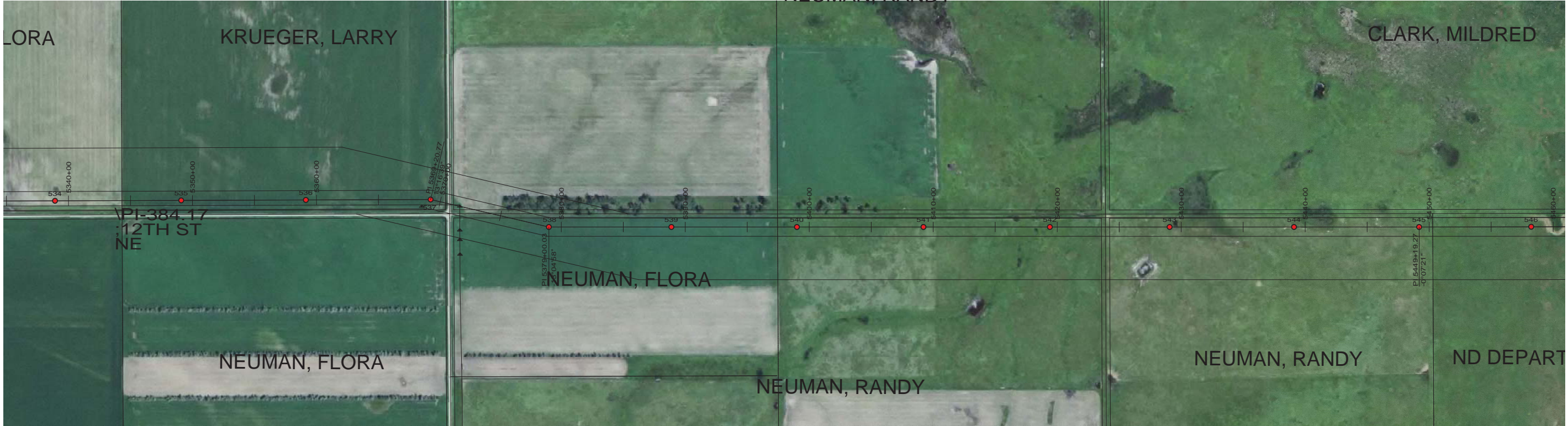
WELLS COUNTY

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



55-PP-WL000-009

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



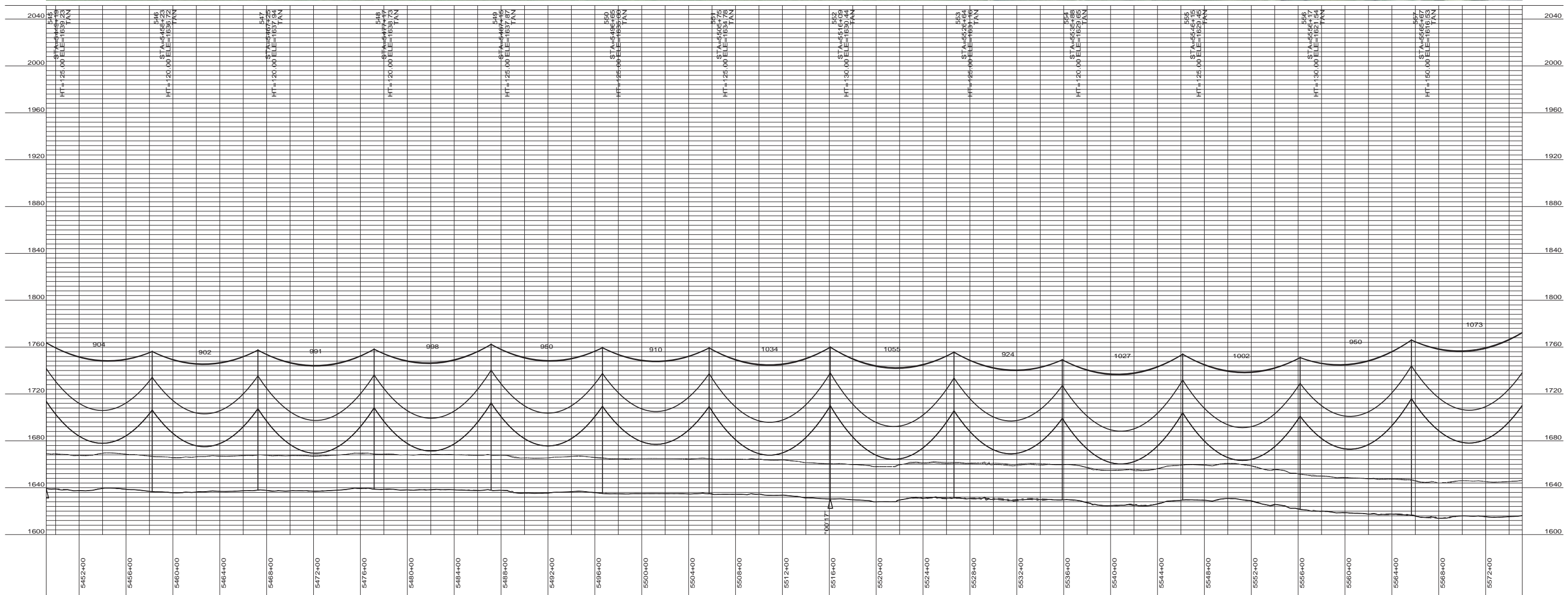
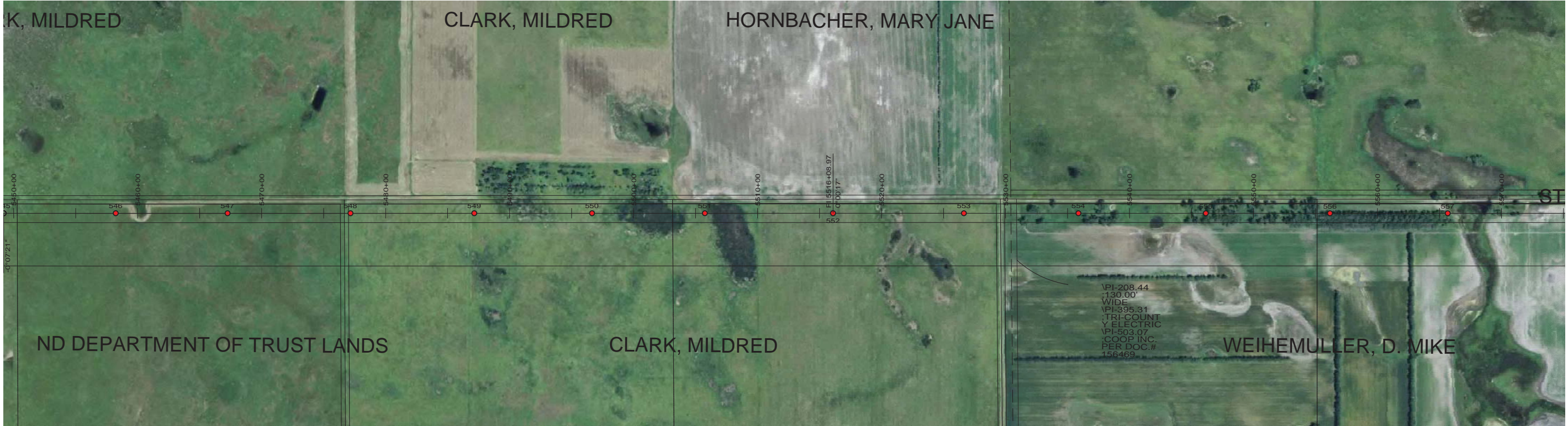
WELLS COUNTY

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



55-PP-WL000-010

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project

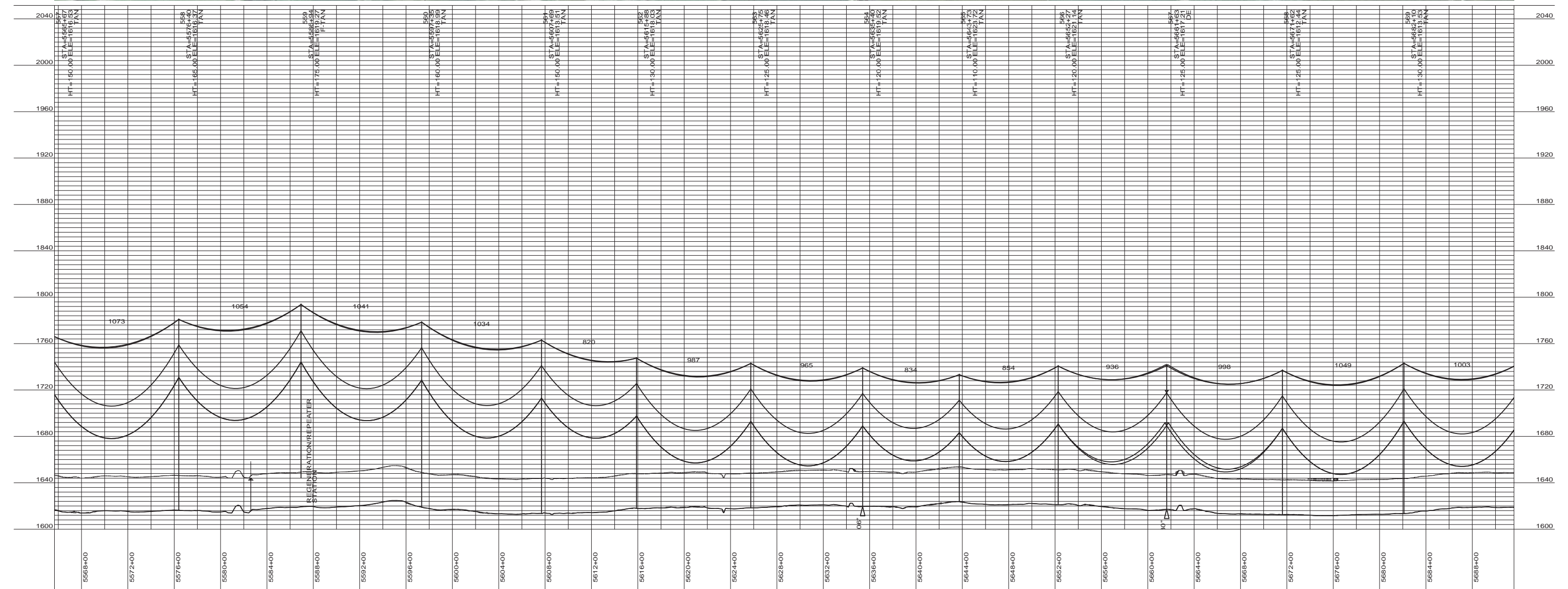
COOPERATIVE, INC.

WELLS COUNTY

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

55-PP-WL000-011

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

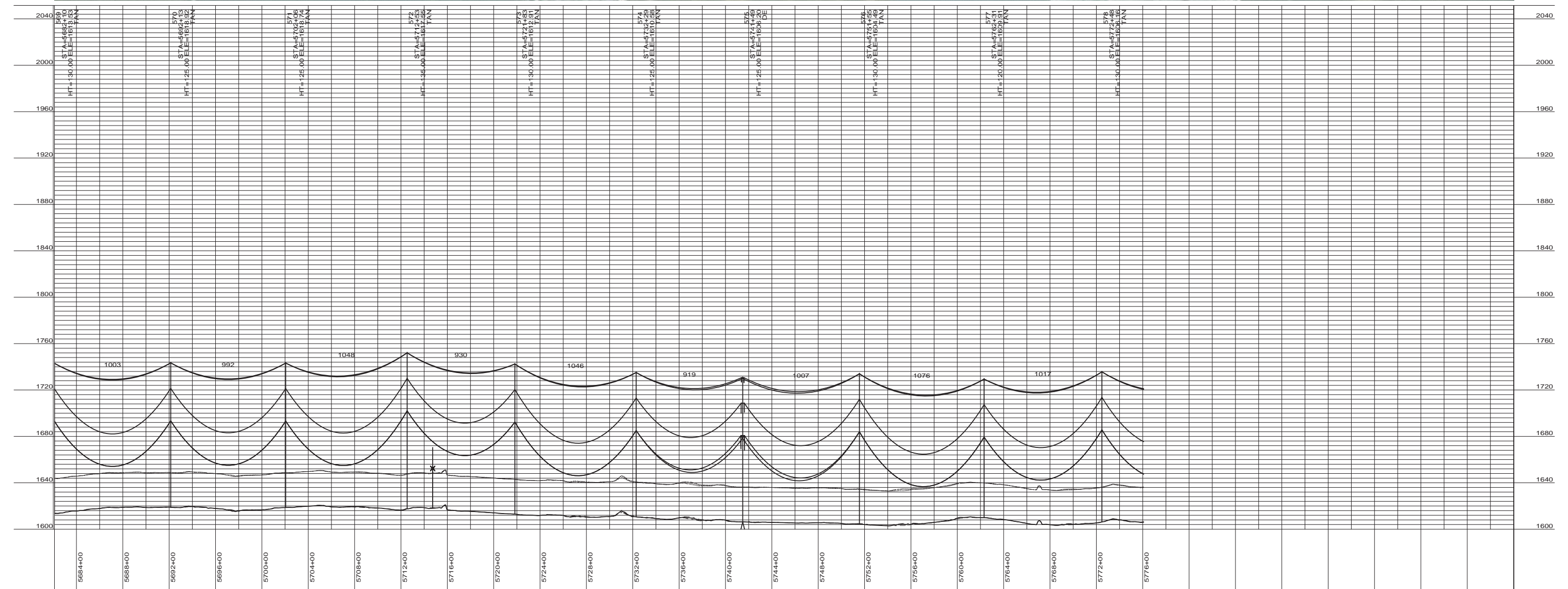
WELLS COUNTY

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



55-PP-WL000-012

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC.
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



WELLS COUNTY

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



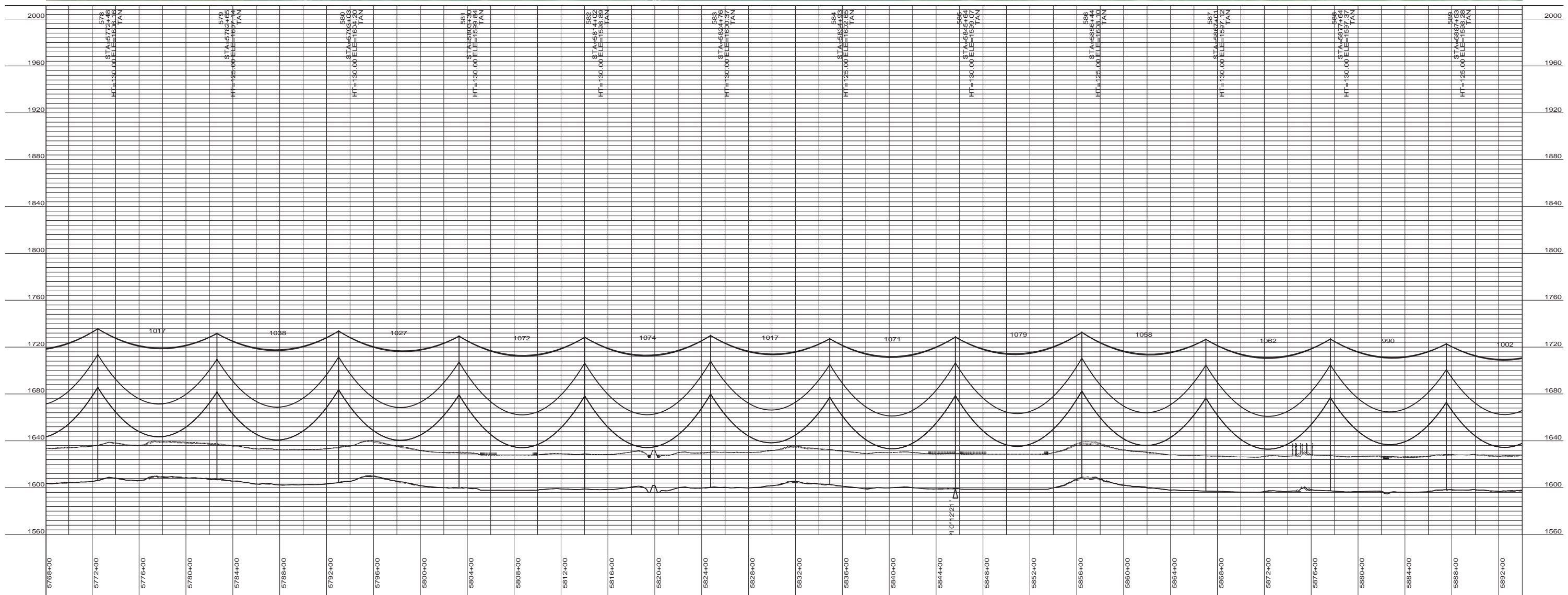
55-PP-WL000-013

PRELIMINARY



IPI-169.55
 :1.00'
 WIDE
 IPI-389.73
 NORTHWEST
 ERN BELL
 IPI-396.45
 TELEPHONE
 COMPANY
 IPI-446.41
 :RIGHT-OF-W
 AY
 EASEMENT
 IPI-332.21
 : PER DOC.
 # 134075

IPI-204.45
 :200.00'
 WIDE
 IPI-159.66
 CENTRAL
 PACIFIC
 IPI-175.58
 :RAILROAD



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

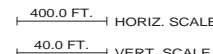


Stanley Consultants INC.
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

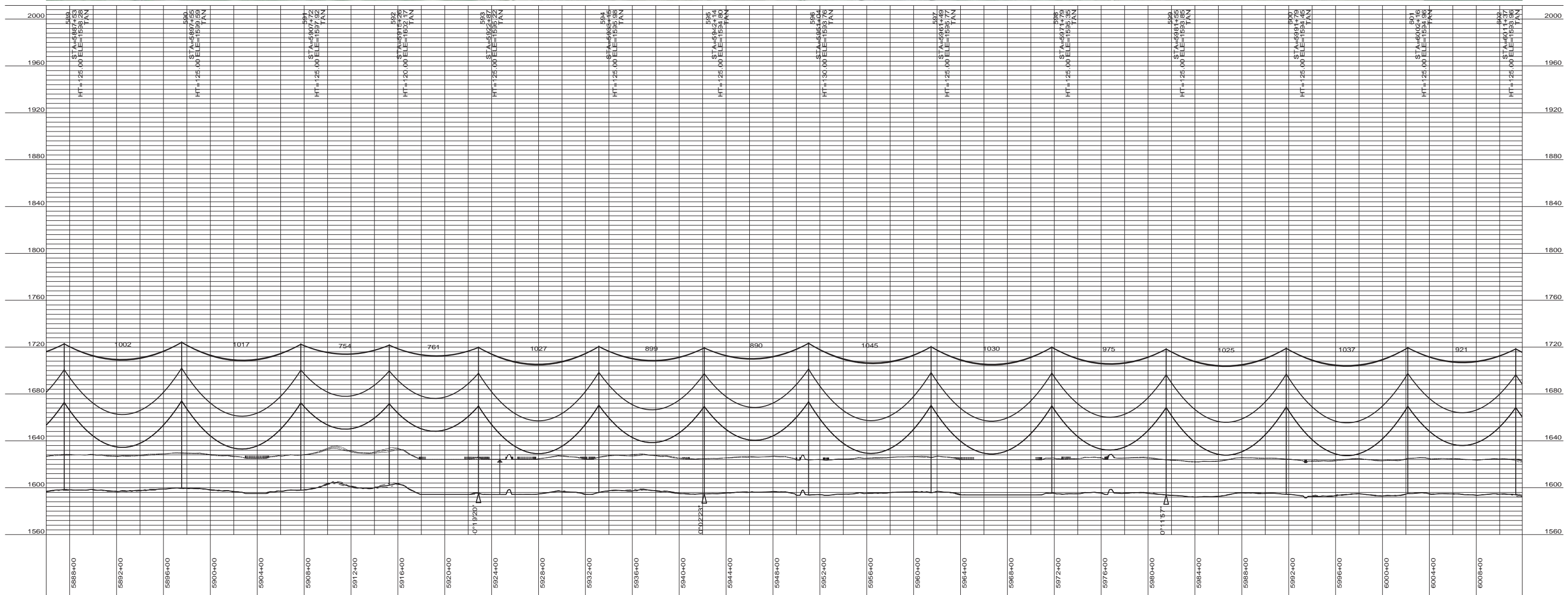
DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project

 MINNKOTA POWER COOPERATIVE, INC.

WELLS COUNTY

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

 55-PP-WL000-014

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project

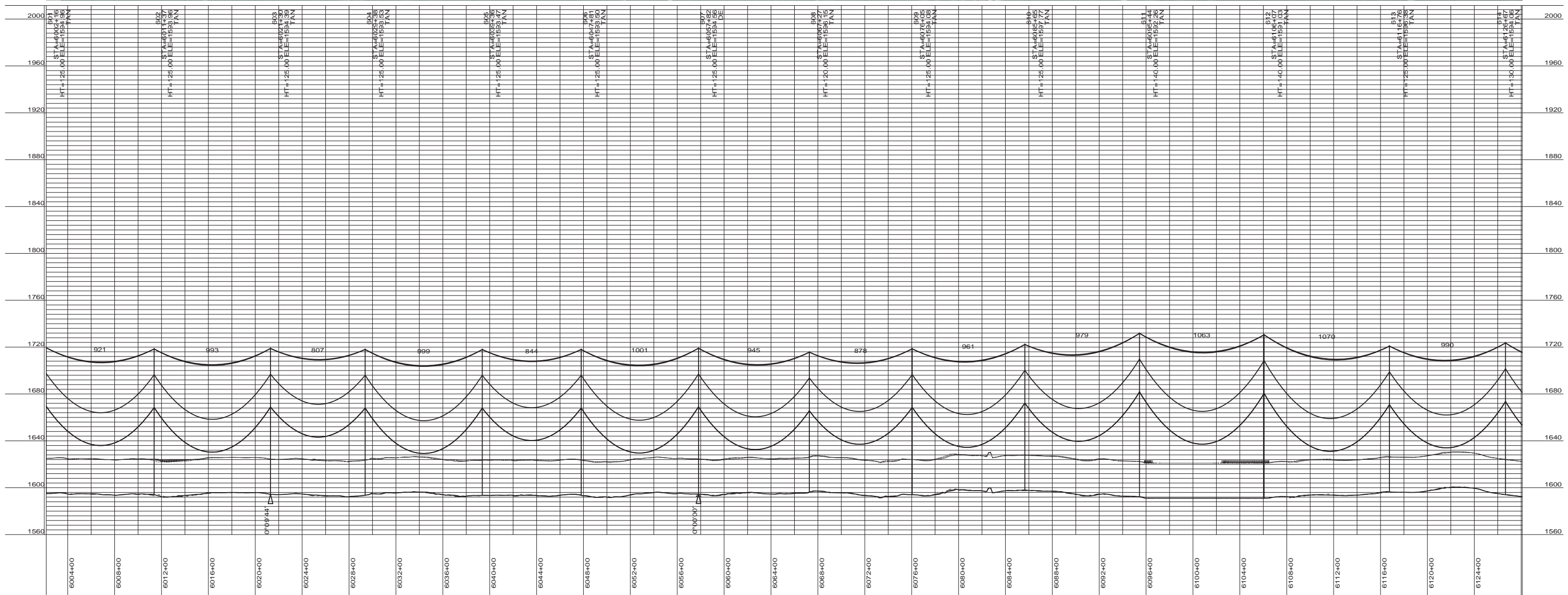
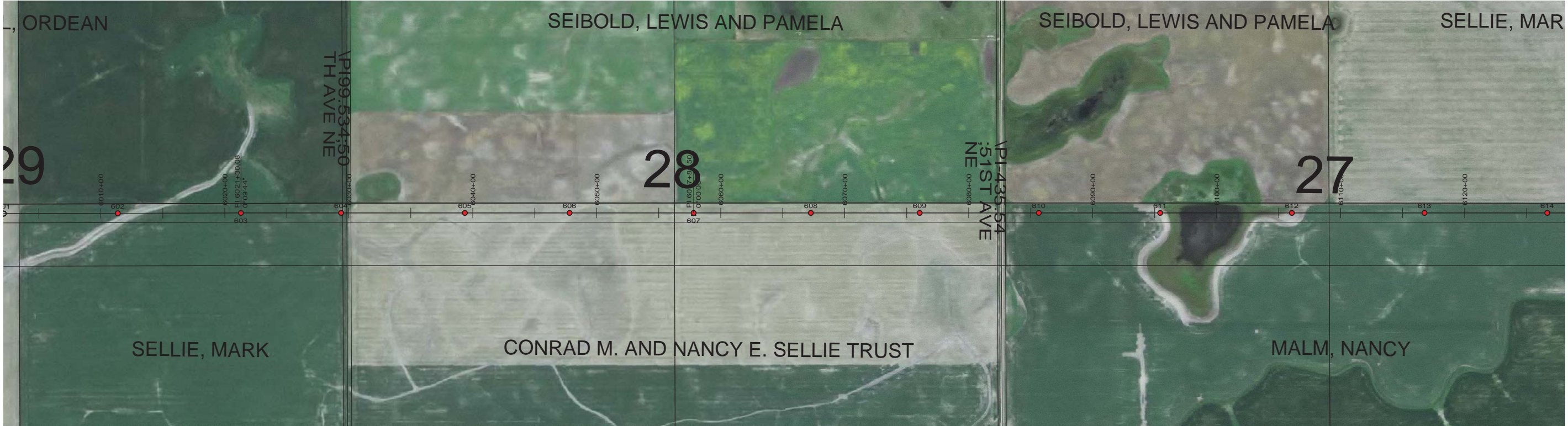
COOPERATIVE, INC.

WELLS COUNTY

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

55-PP-WL000-015

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

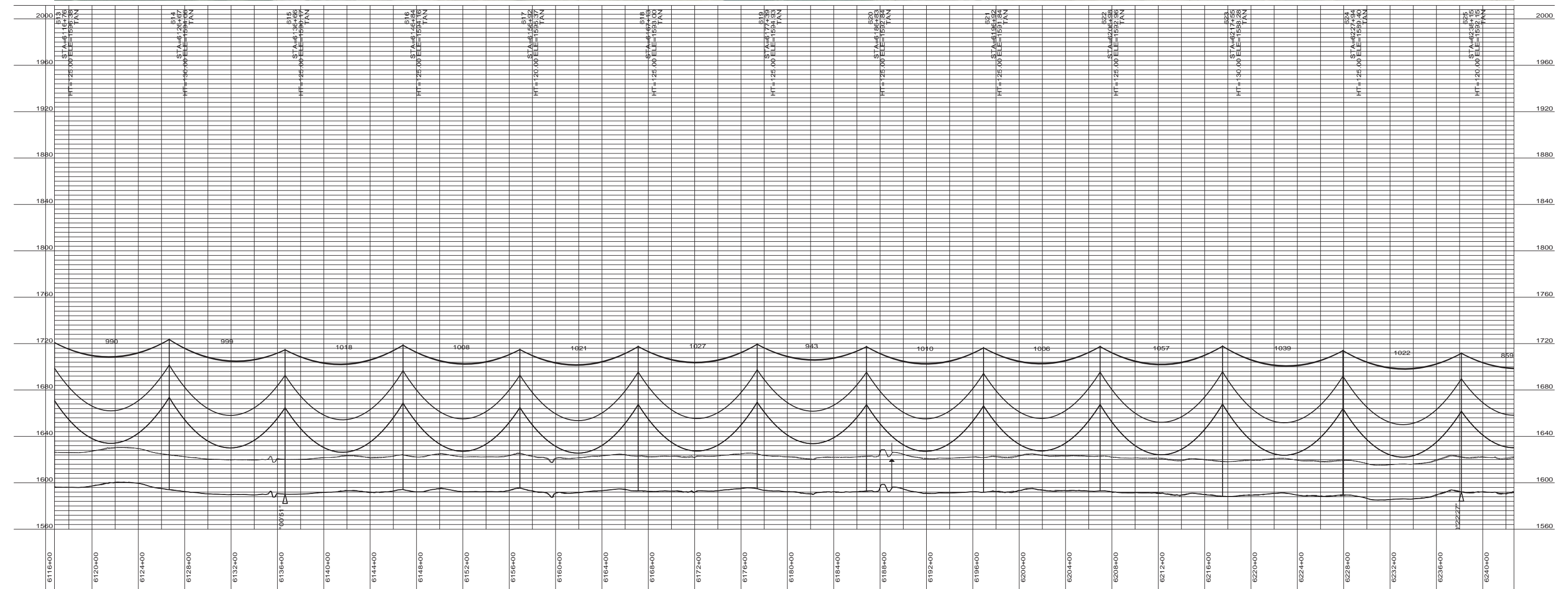
WELLS COUNTY

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



55-PP-WL000-016

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

Stanley Consultants INC.

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project

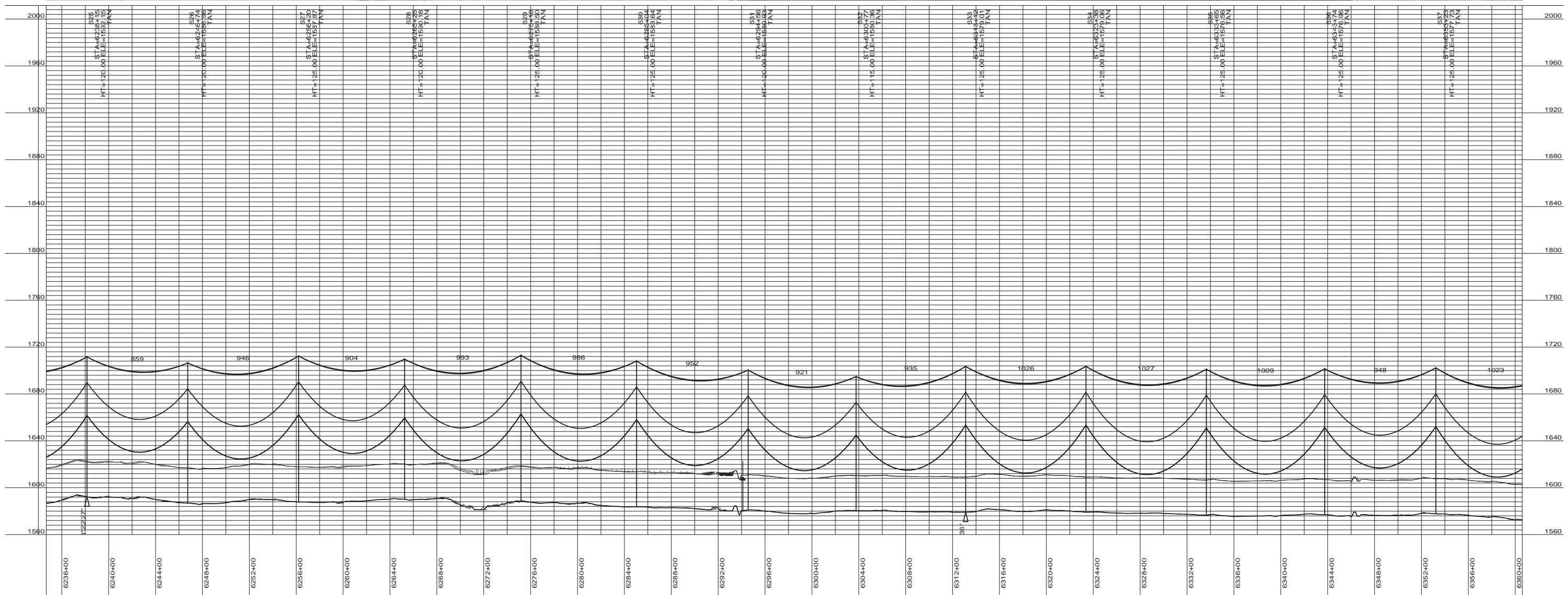
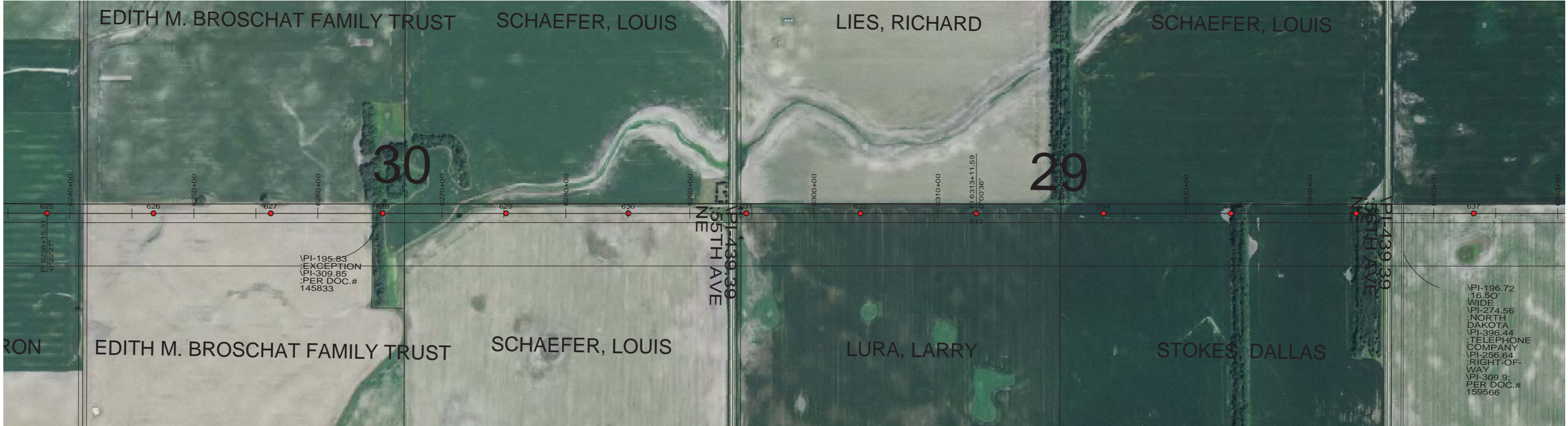
Minnkota Power
 COOPERATIVE, INC.

WELLS COUNTY

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

55-PP-WL000-017

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

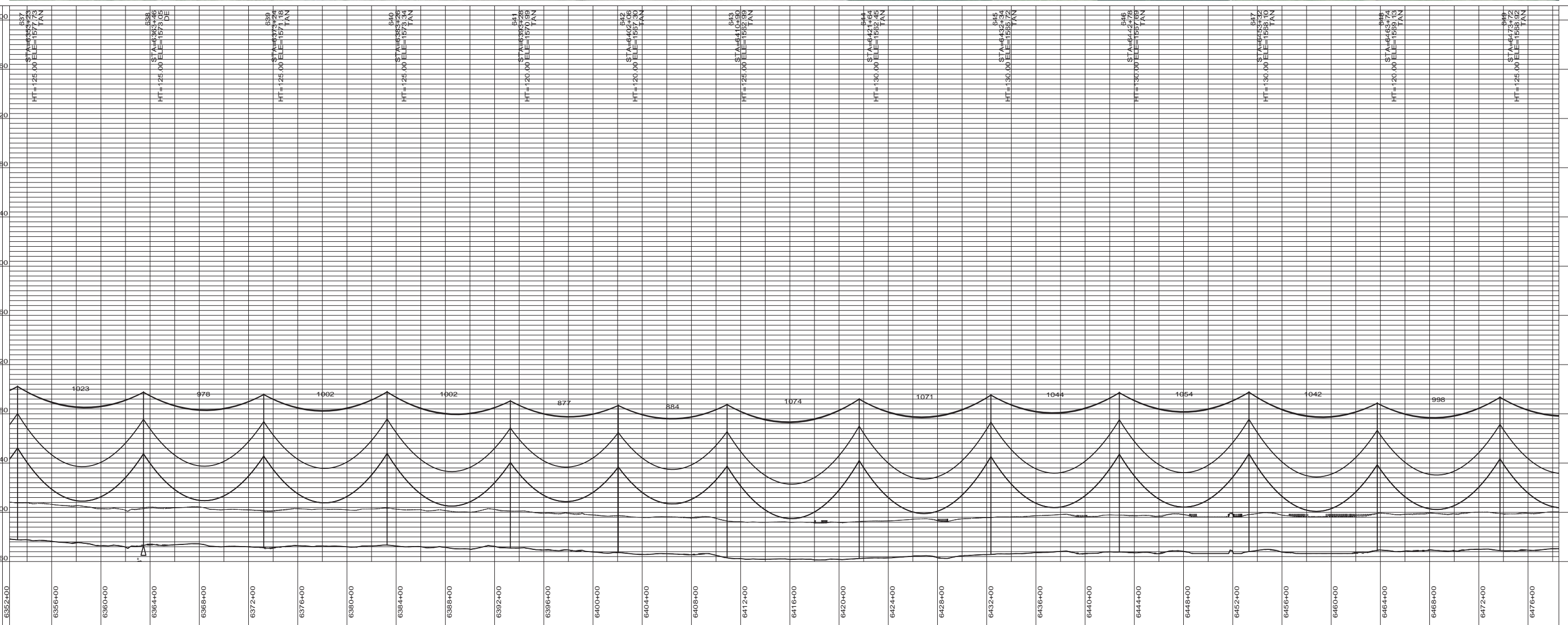
Center to Grand Forks Project

WELLS COUNTY

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

55-PP-WL000-018

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



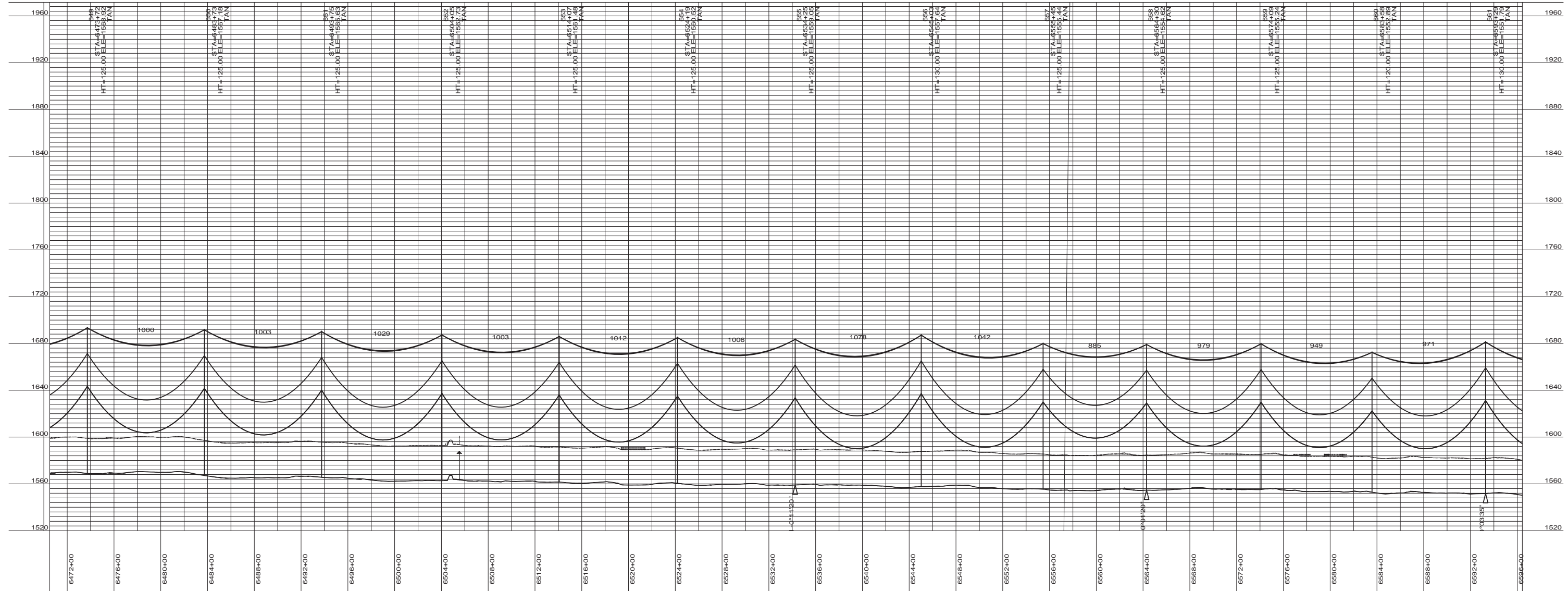
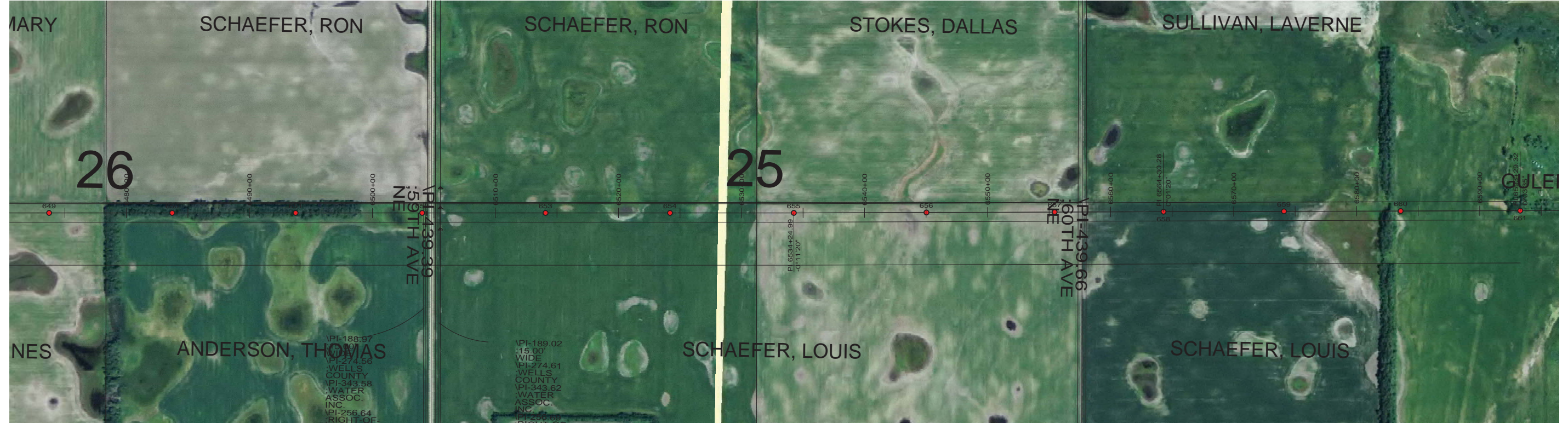
WELLS COUNTY

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



55-PP-WL000-019

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

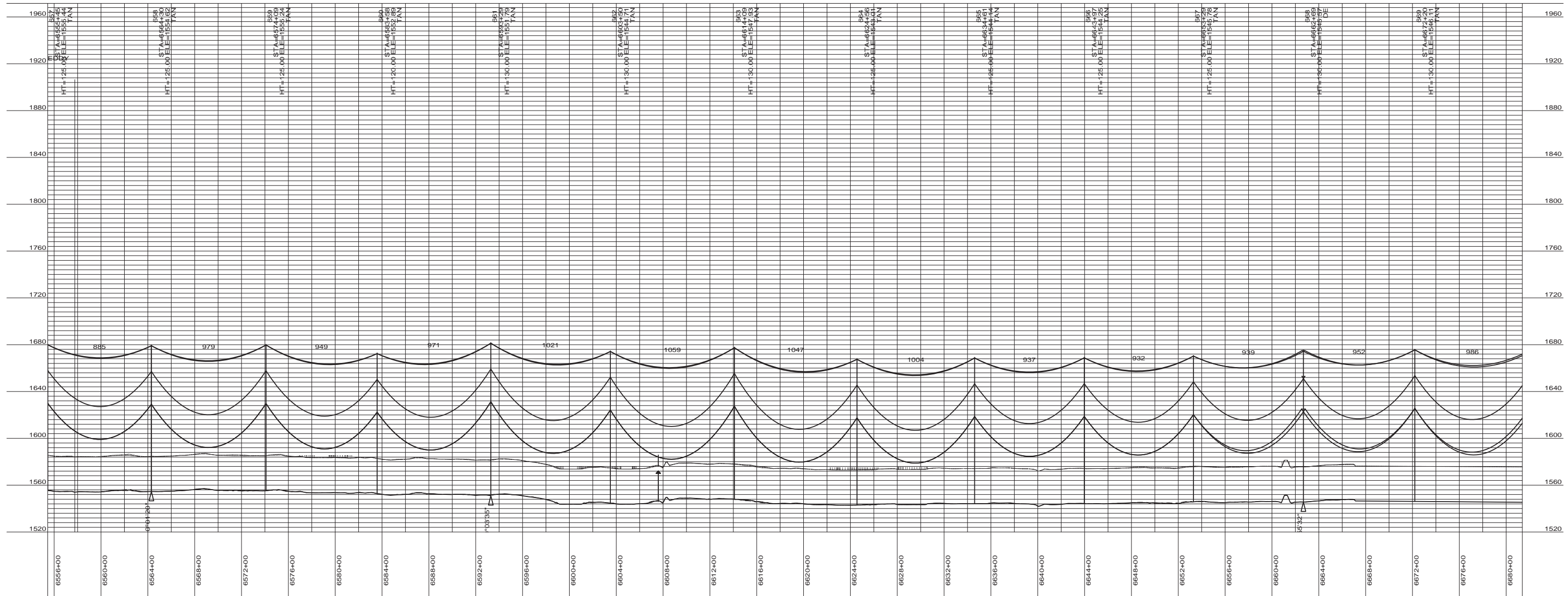
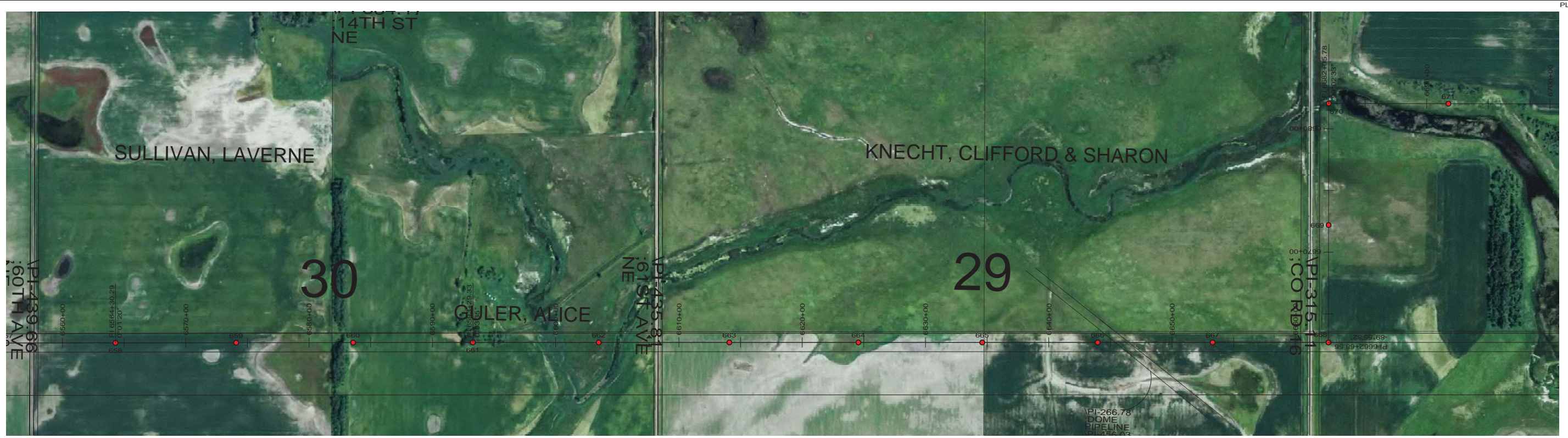
WELLS COUNTY

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



55-PP-WL000-020

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



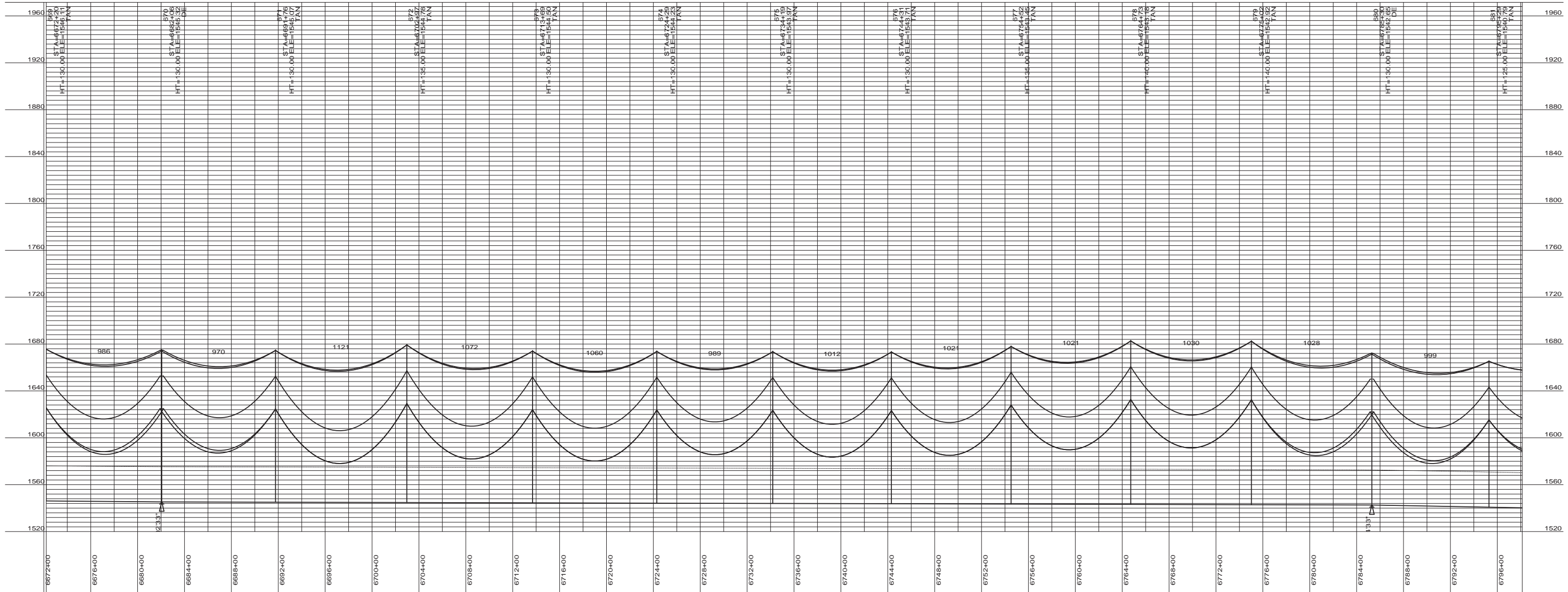
EDDY COUNTY

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



55-PP-ED000-001

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

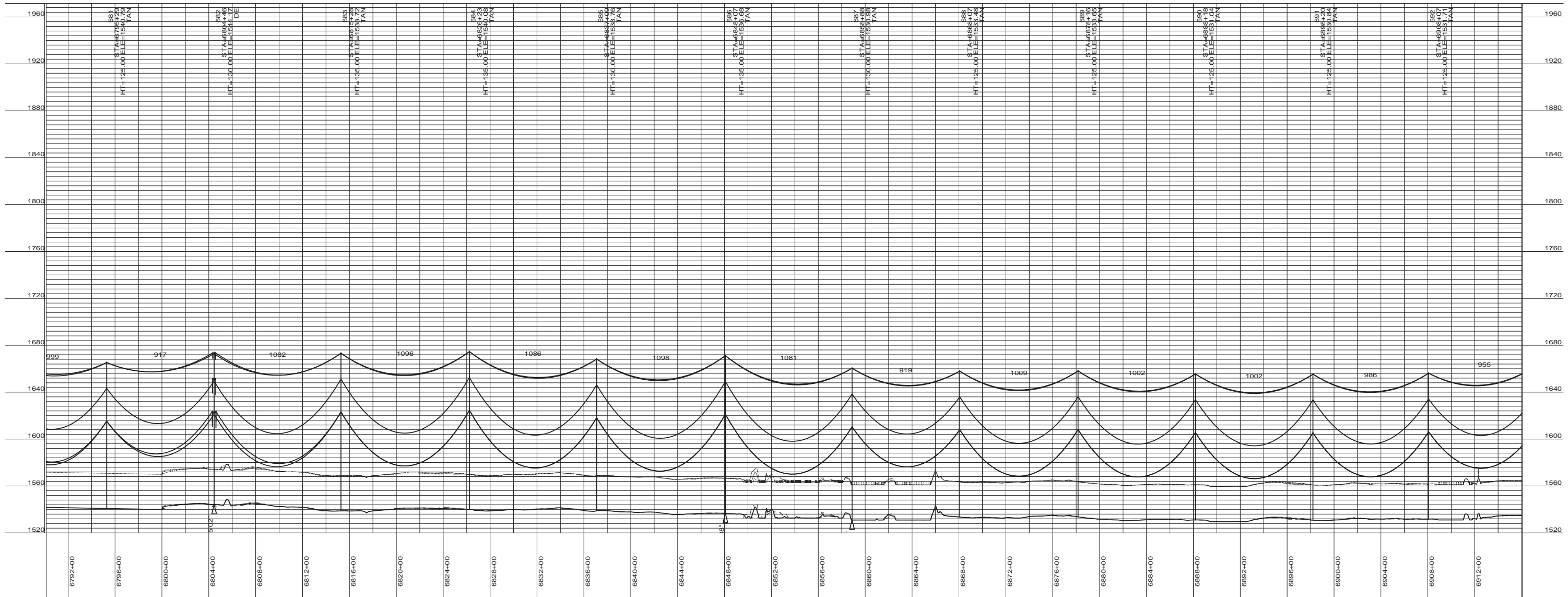
EDDY COUNTY

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



55-PP-ED000-002

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
APPROVED	
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

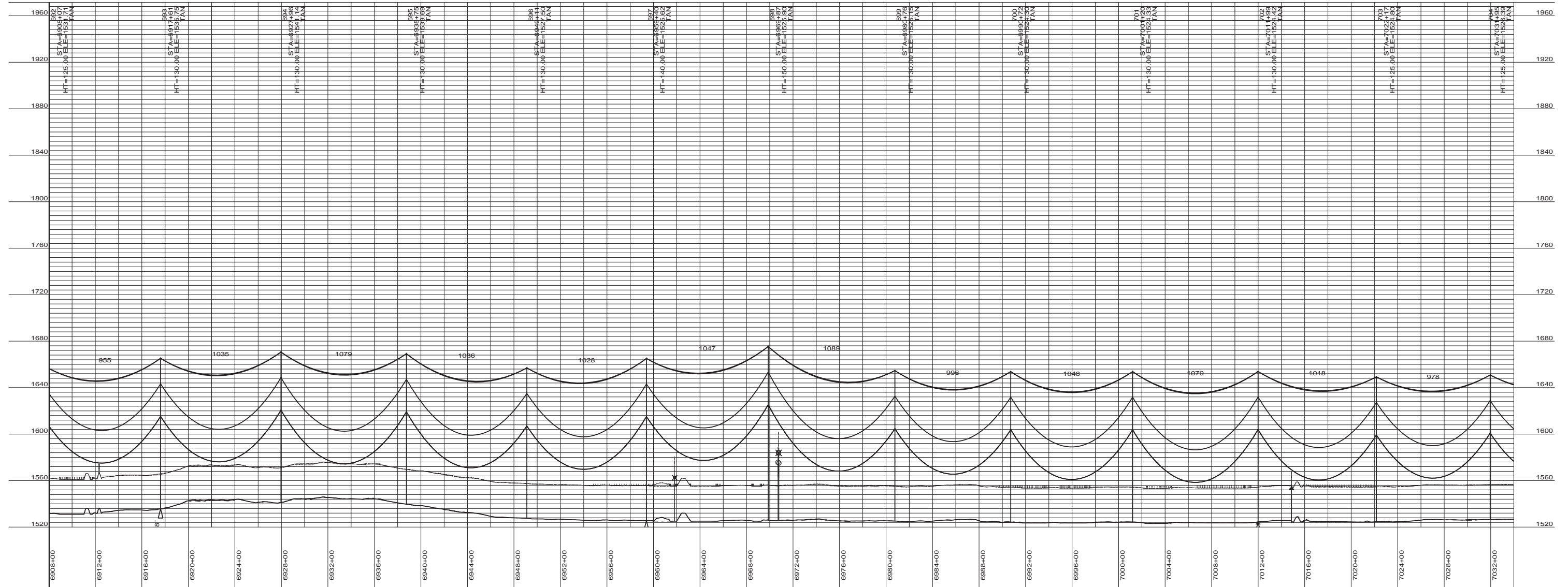
EDDY COUNTY

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



55-PP-ED000-003

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

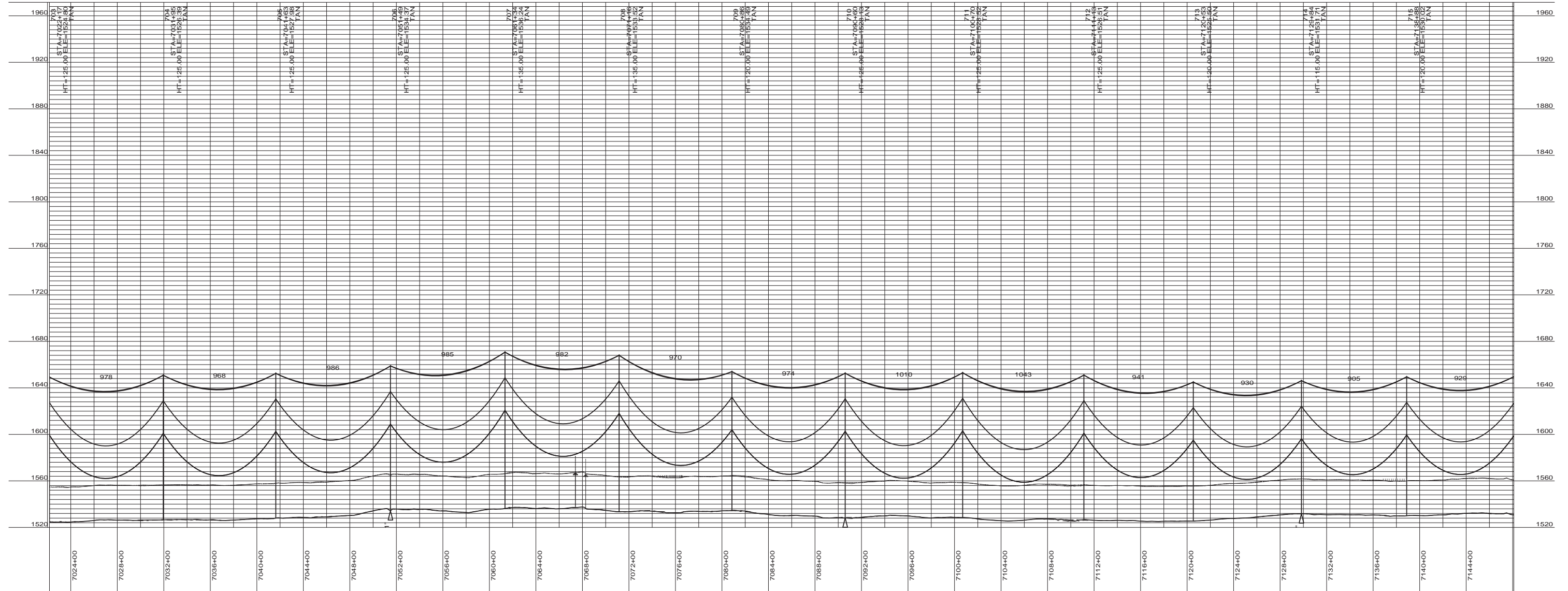
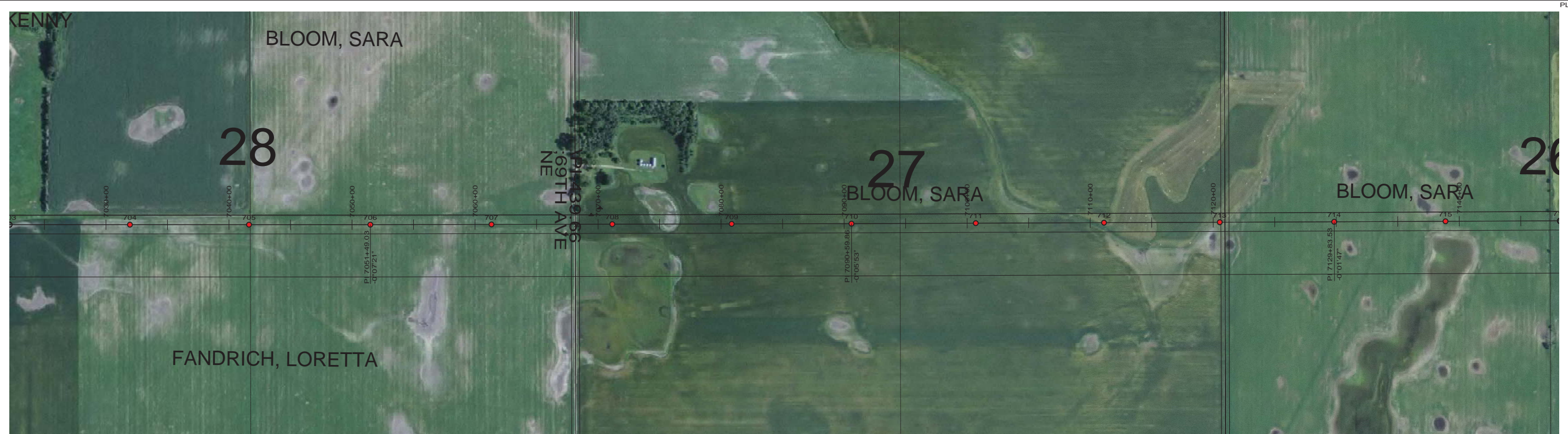
EDDY COUNTY

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



55-PP-ED000-004

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011


Center to Grand Forks Project



COOPERATIVE, INC.

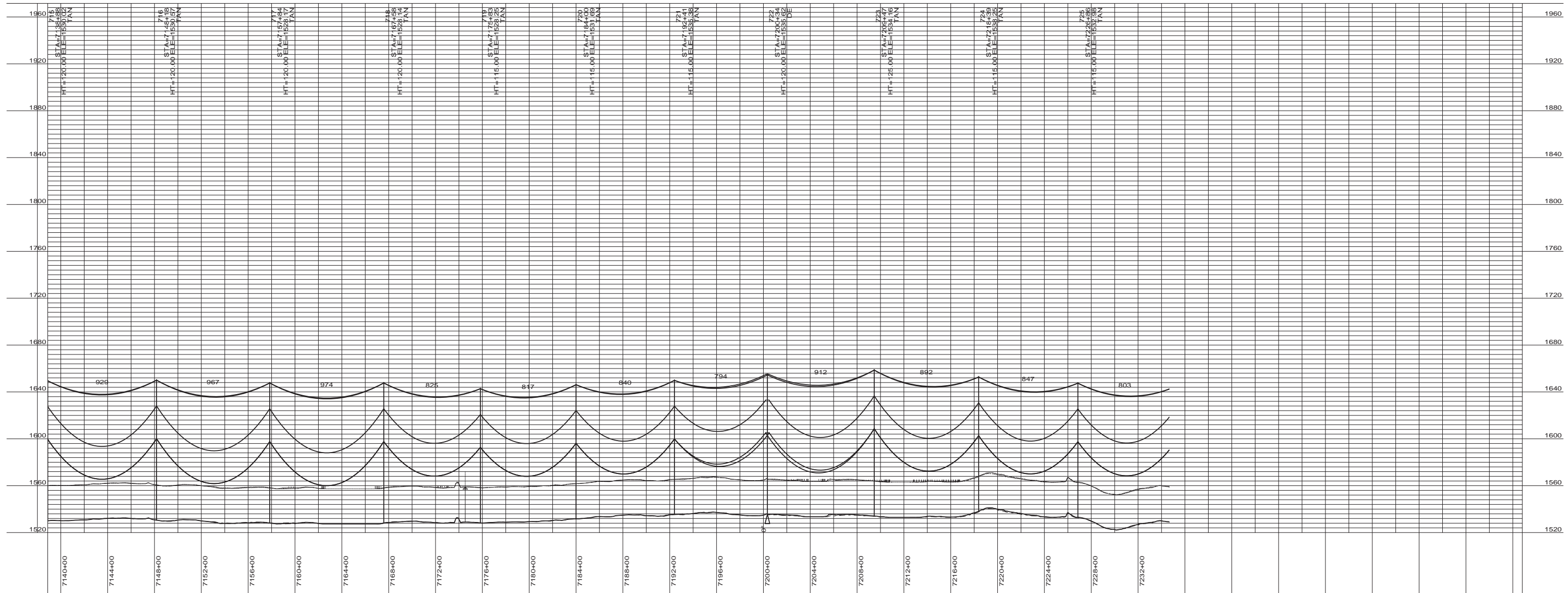
EDDY COUNTY

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



55-PP-ED000-005

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC
 8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



COOPERATIVE, INC.

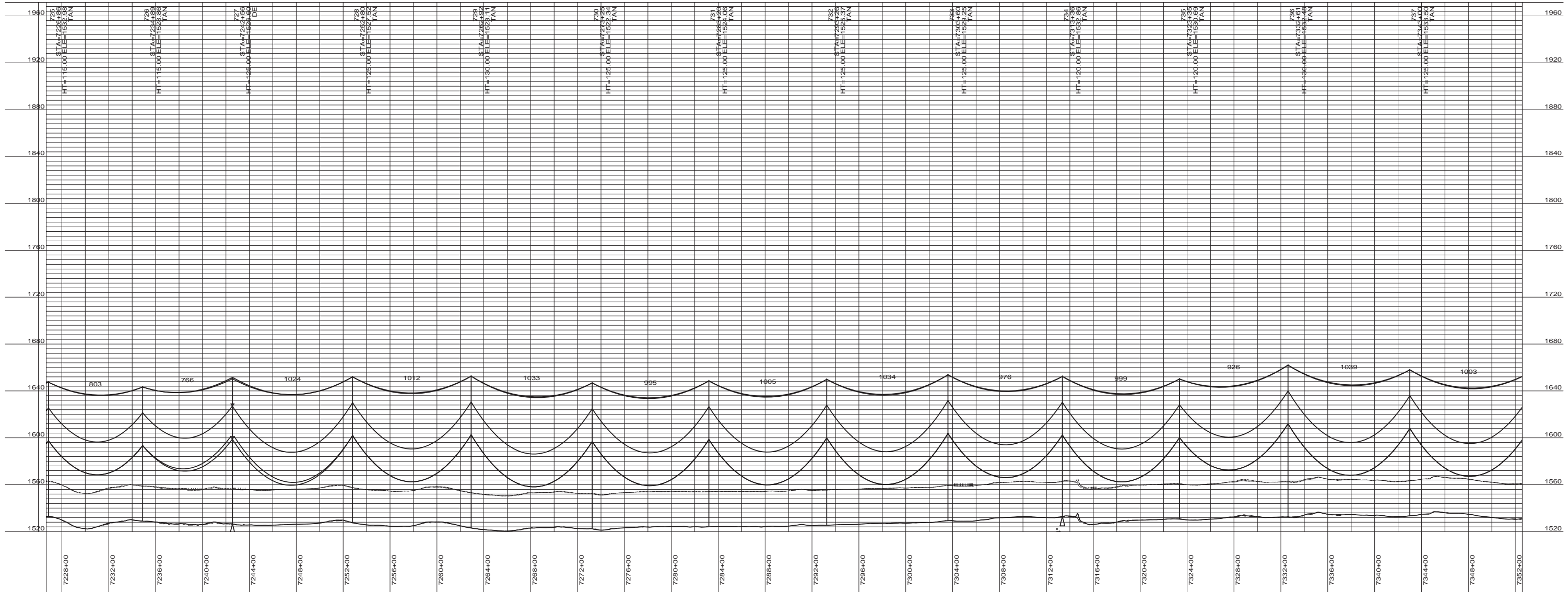
EDDY COUNTY

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



55-PP-ED000-006

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project



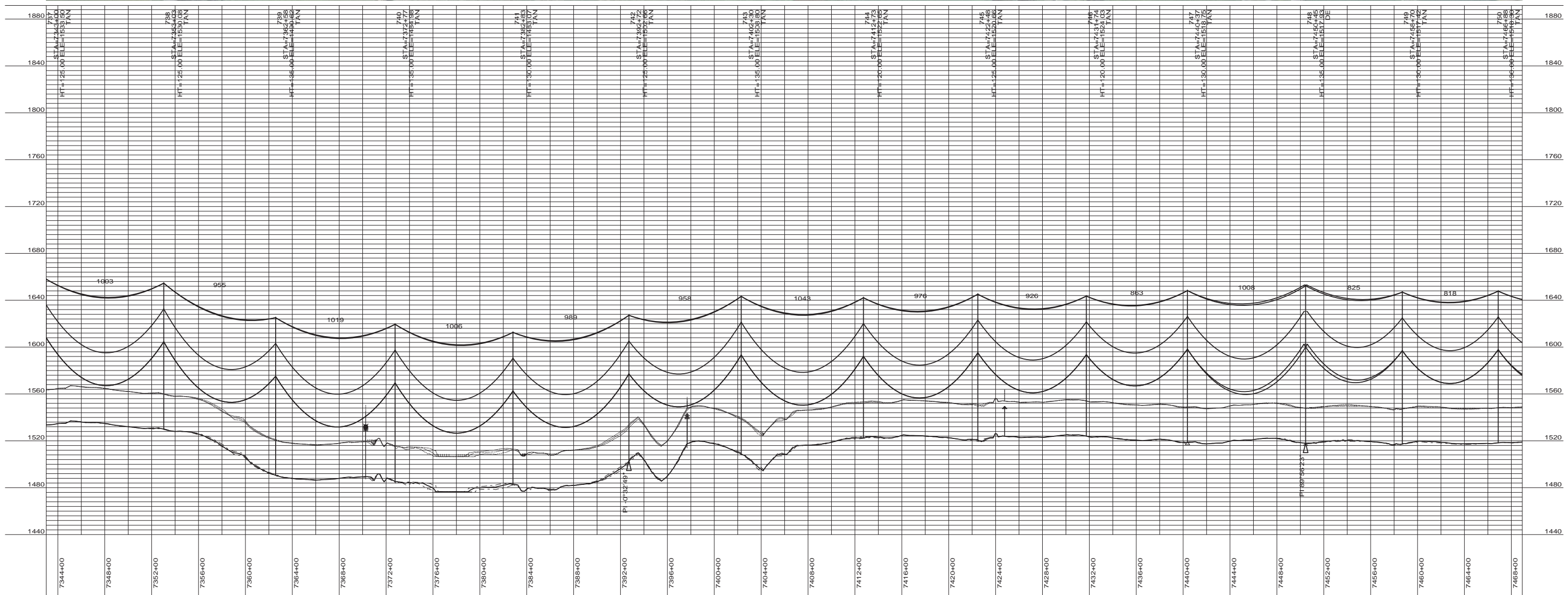
EDDY COUNTY

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



55-PP-ED000-007

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



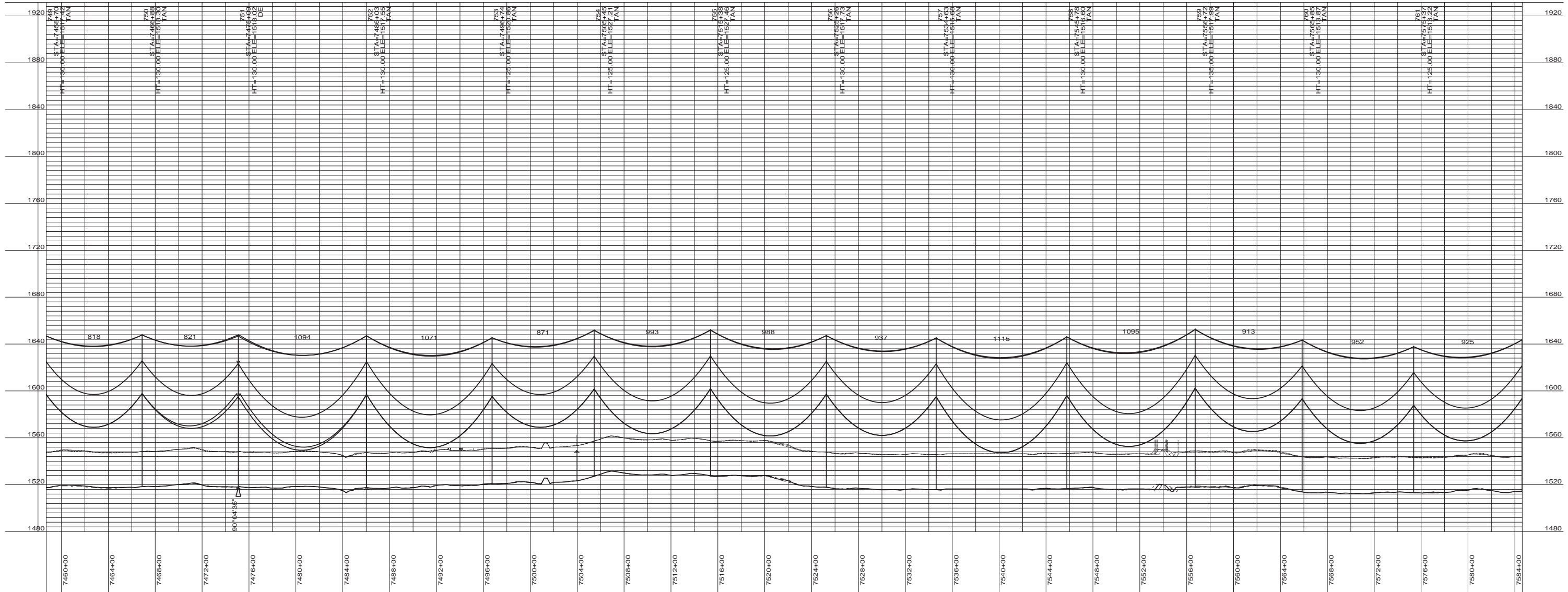
EDDY COUNTY

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



55-PP-ED000-008

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project



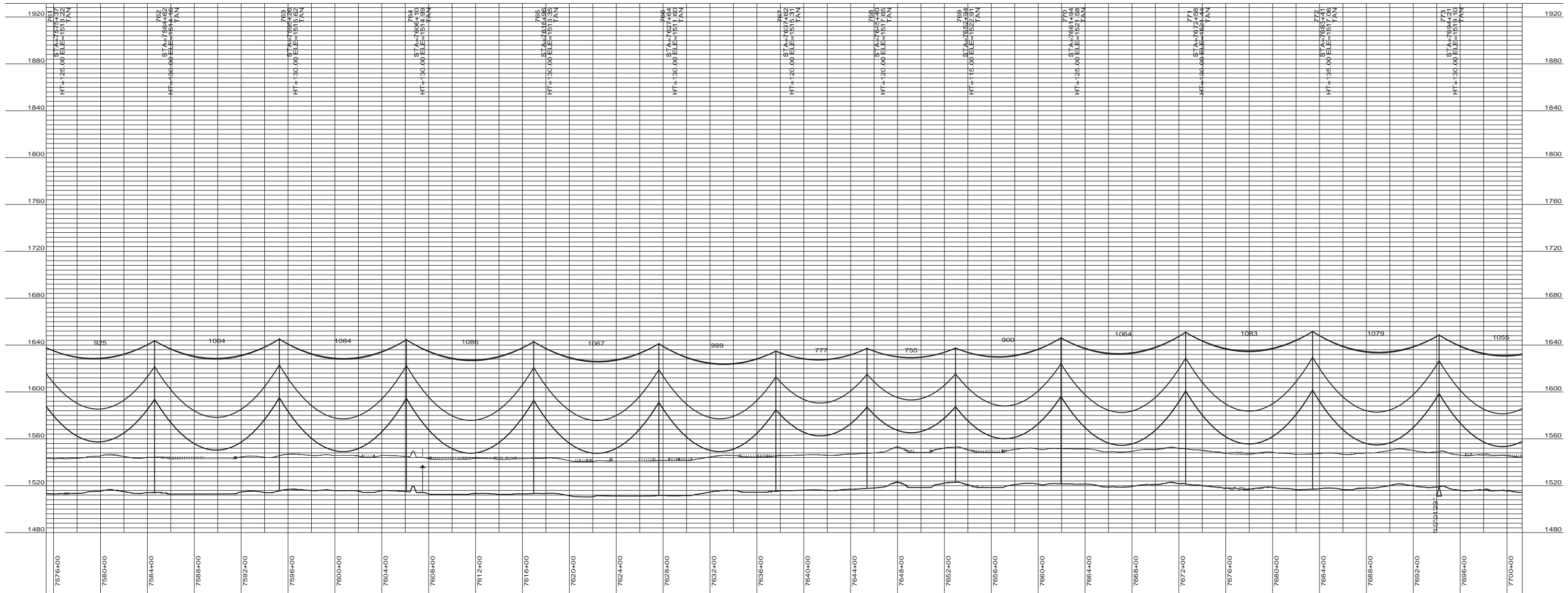
EDDY COUNTY

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



55-PP-ED000-009

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC.
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

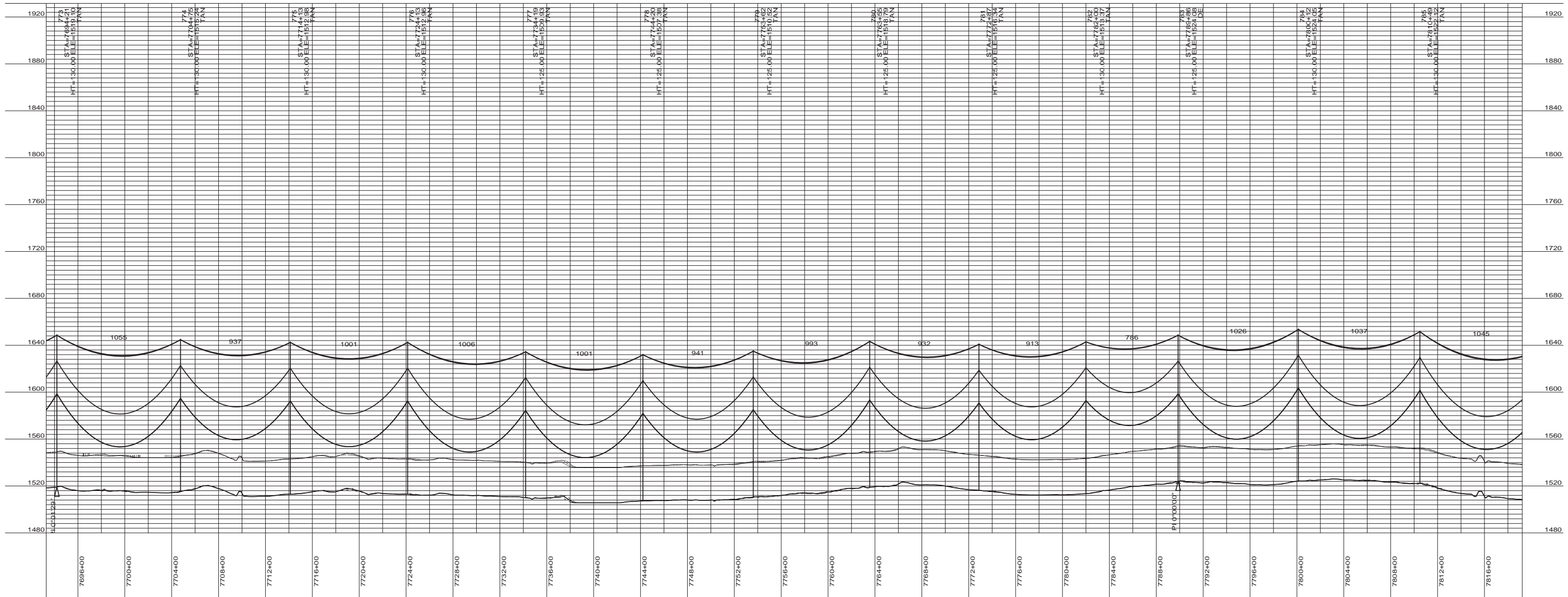
EDDY COUNTY

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



55-PP-ED000-010

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



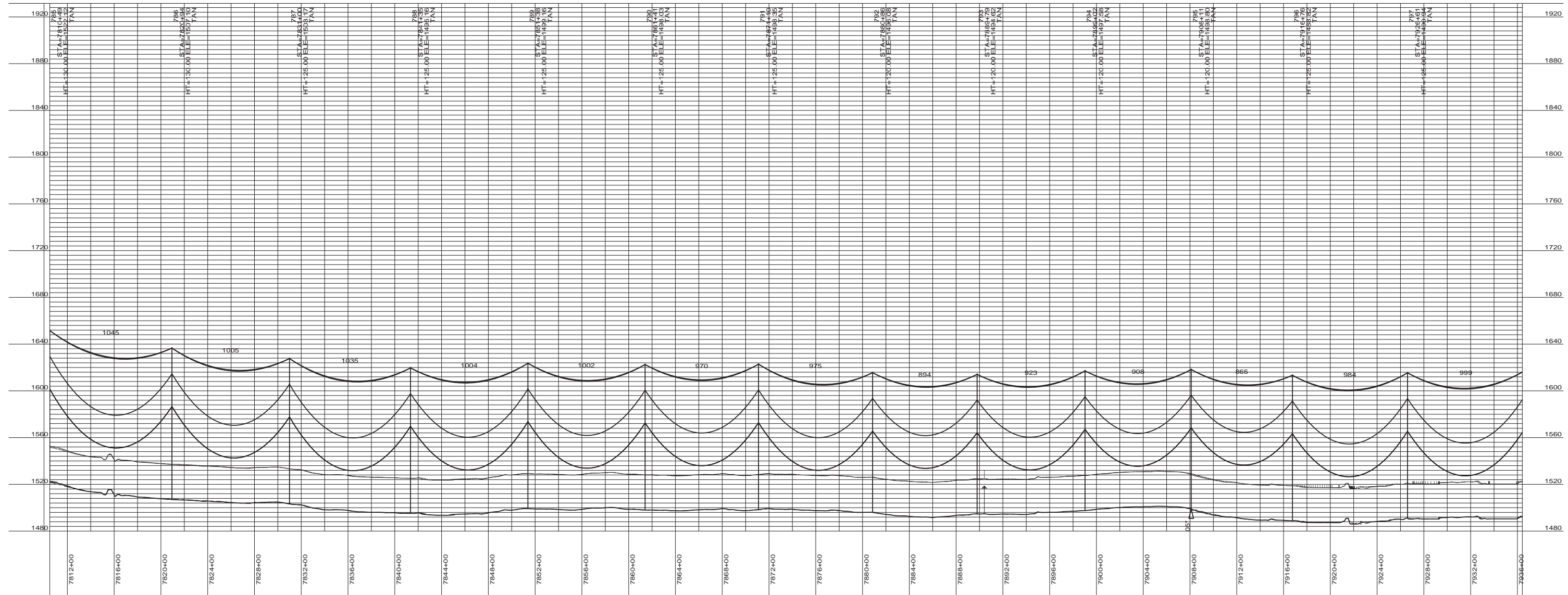
EDDY COUNTY

400.0 FT. ———— | HORIZ. SCALE
 40.0 FT. ———— | VERT. SCALE



55-PP-ED000-011

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



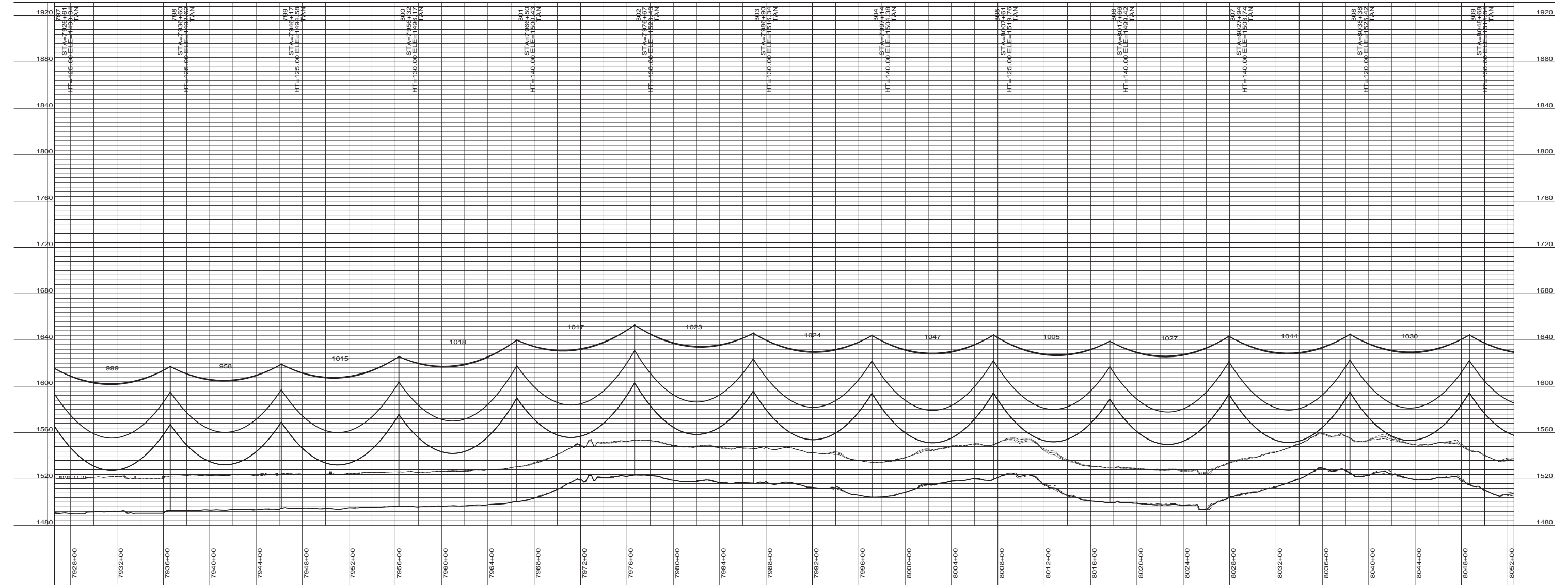
COOPERATIVE, INC.

EDDY COUNTY

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



PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011


Center to Grand Forks Project



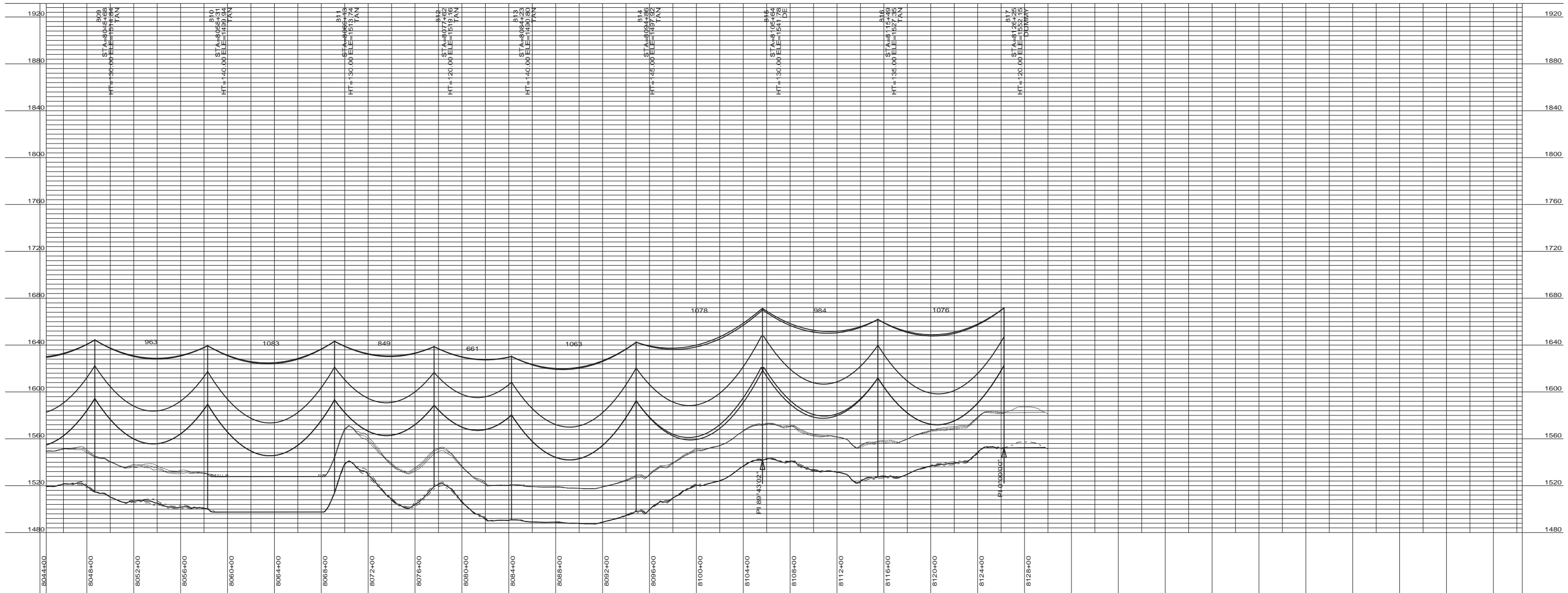
Minnkota Power
 COOPERATIVE, INC.

EDDY COUNTY

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



PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project

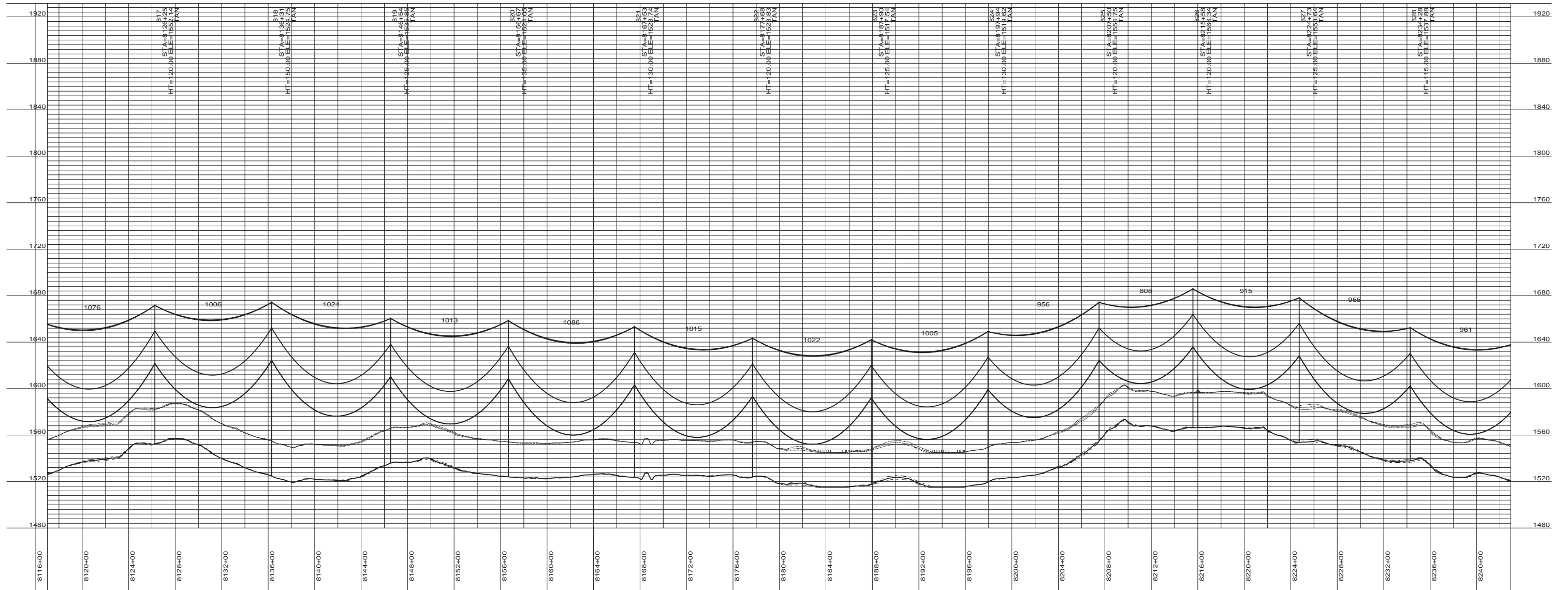


EDDY COUNTY

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



PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project



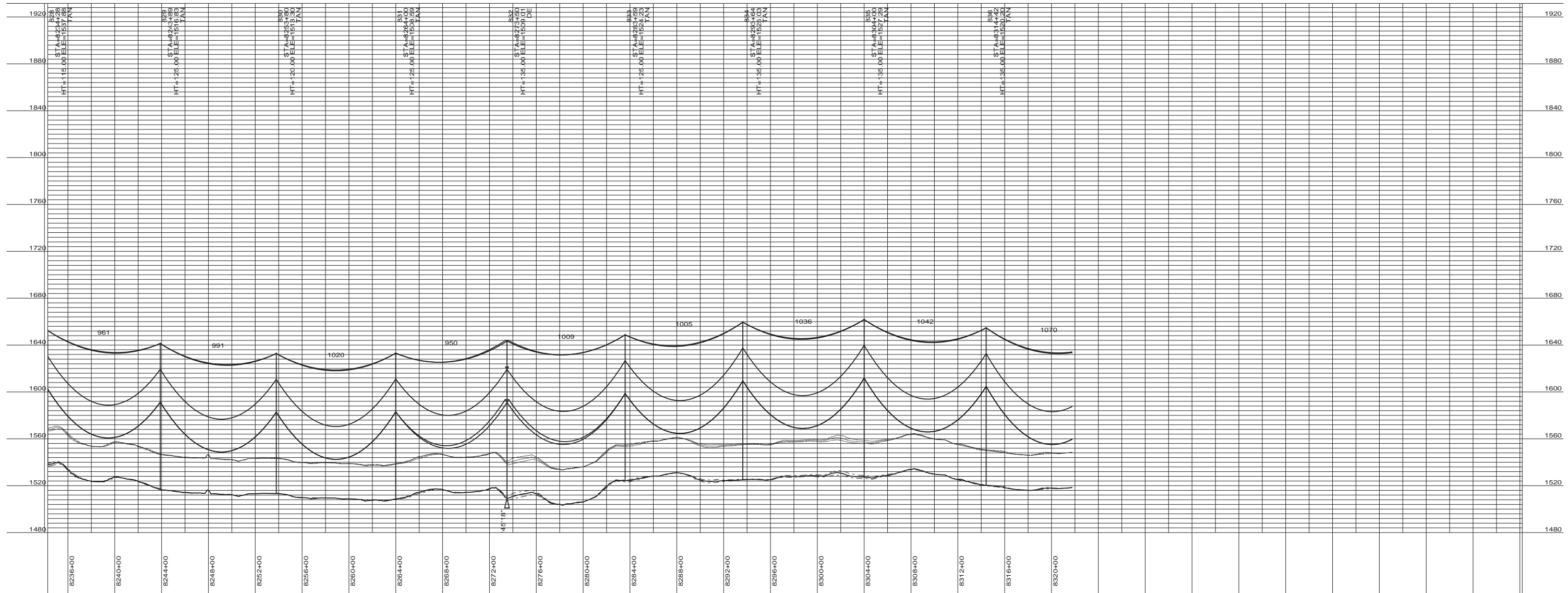
COOPERATIVE, INC.

FOSTER COUNTY

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

55-PP-FS000-001

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



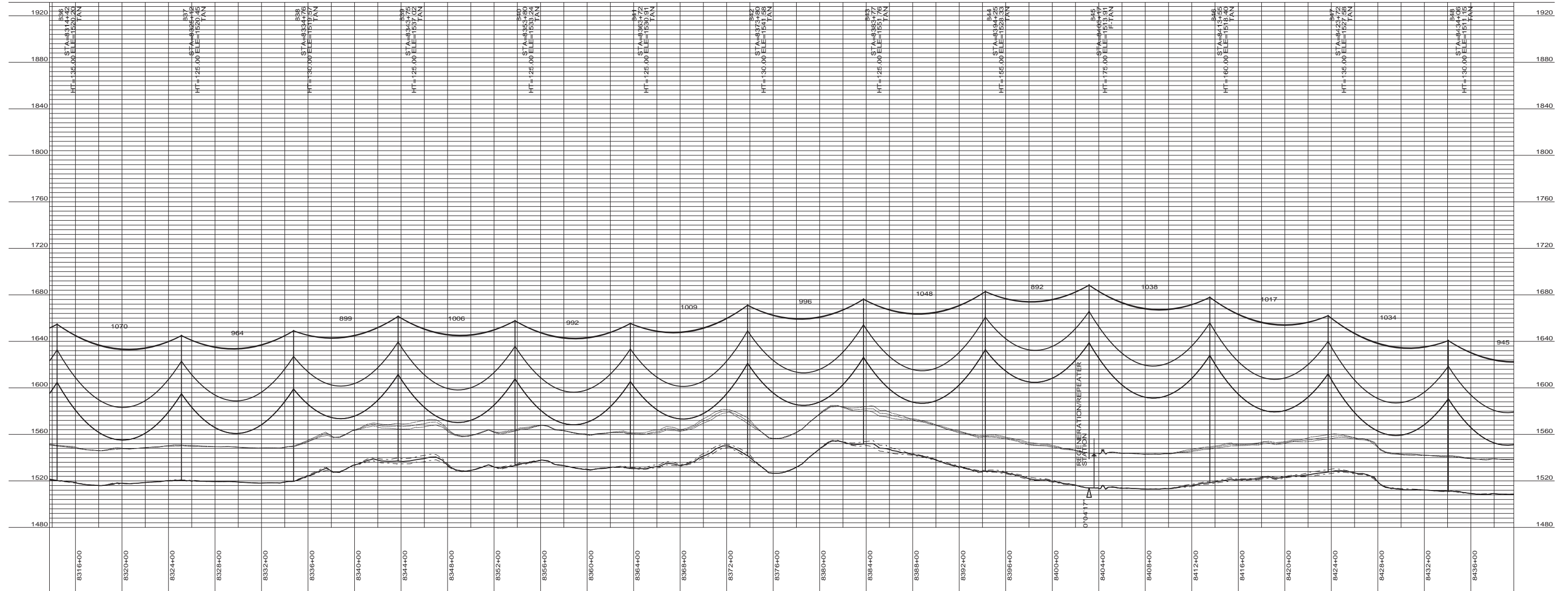
FOSTER COUNTY

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



55-PP-FS000-002

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



FOSTER COUNTY

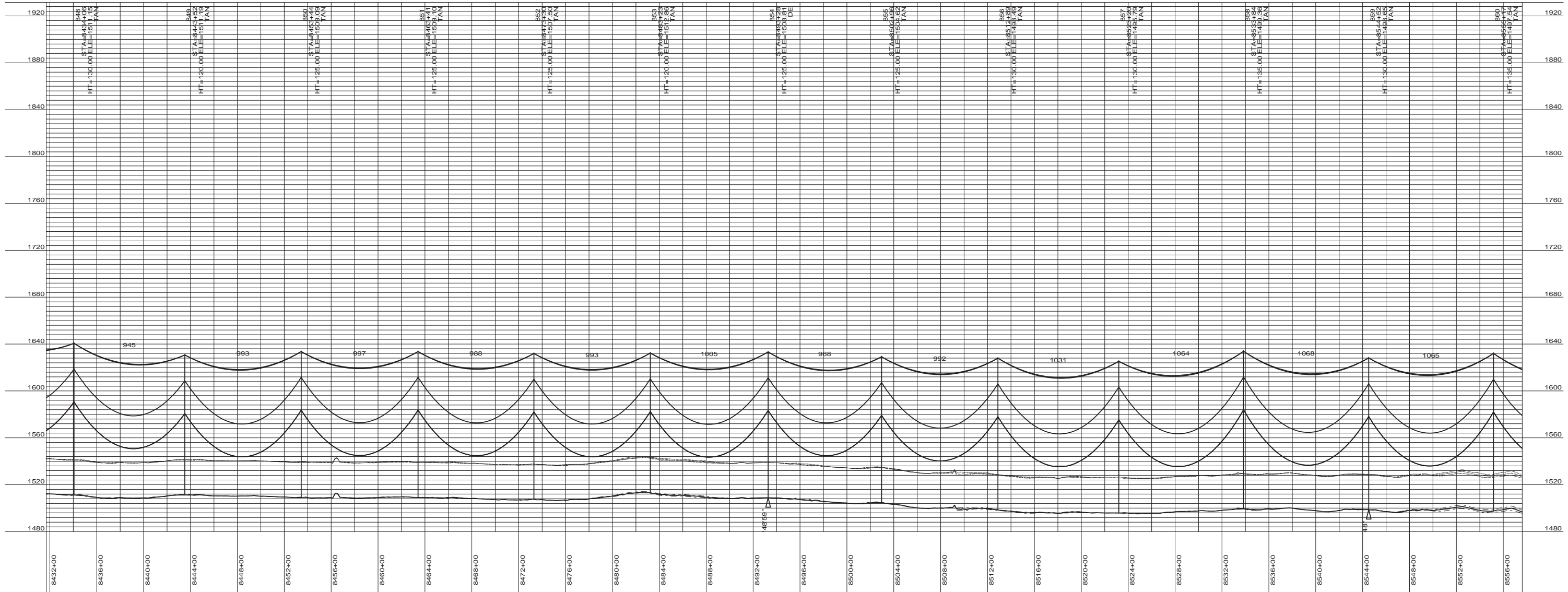
400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE



55-PP-FS000-003

PRELIMINARY

PLS-CADD DRAWING



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

Center to Grand Forks Project

FOSTER COUNTY

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

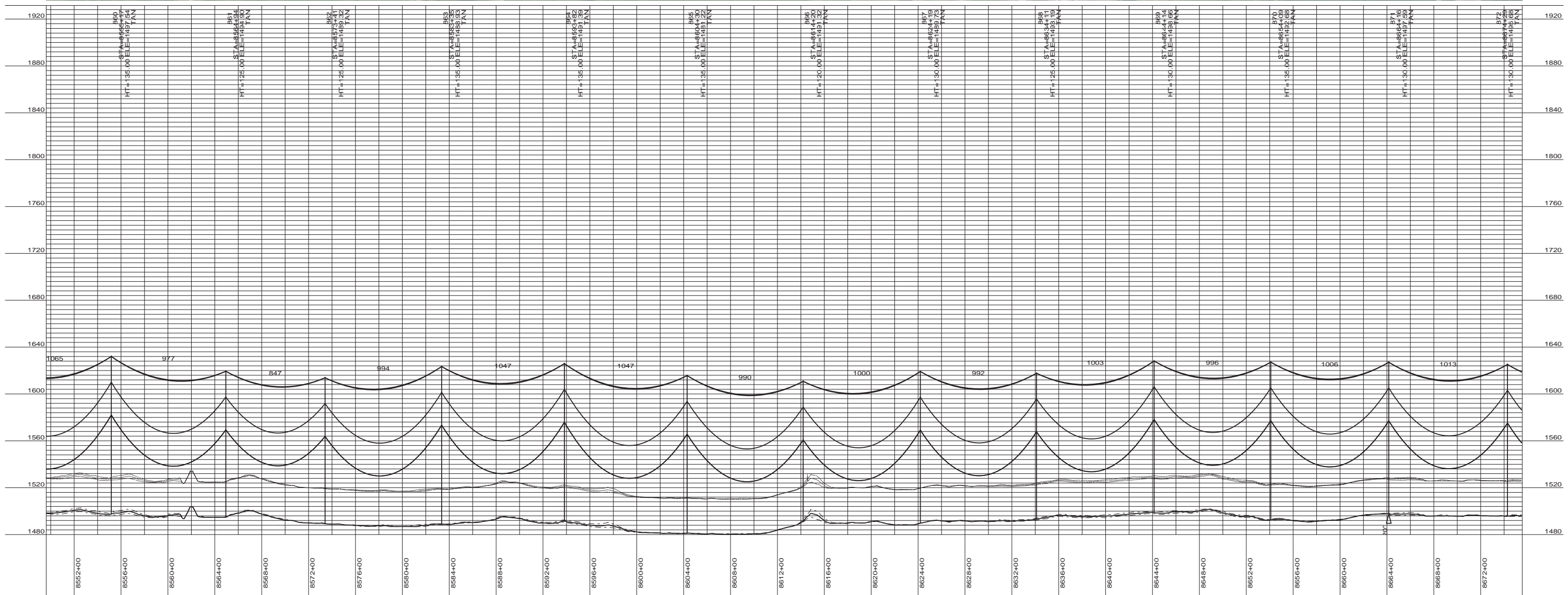
55-PP-FS000-004

PRELIMINARY



VPI-192.25
 -40.00'
 WIDE
 VPI-301.26
 RAMSEY COUNTY
 WATER RESOURCE DISTRICT
 VPI-265.16
 RIGHT OF WAY
 VPI-319.54
 PER DOC.

STATE OF NORTH DAKOTA



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project

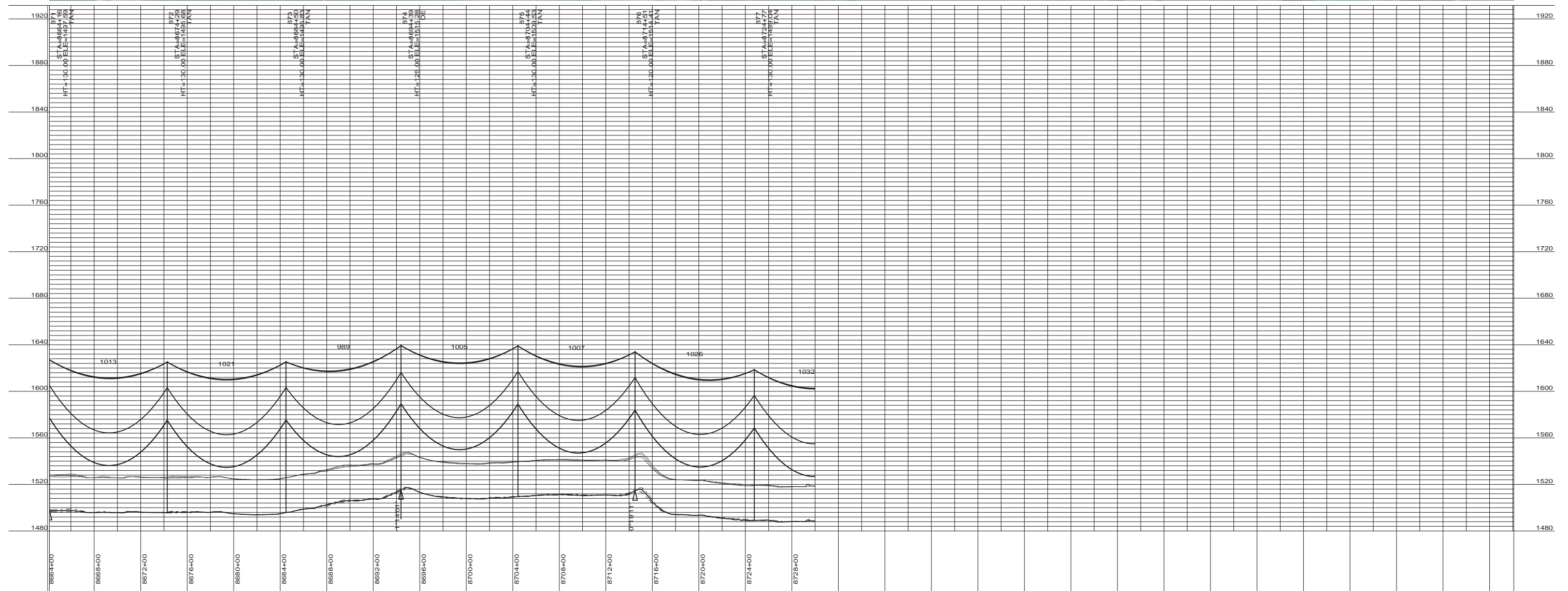
COOPERATIVE, INC.

FOSTER COUNTY

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

55-PP-FS000-005

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

A STANLEY GROUP COMPANY
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 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED _____
 DRAWN _____
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 APPROVED _____
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Center to Grand Forks Project



COOPERATIVE, INC.

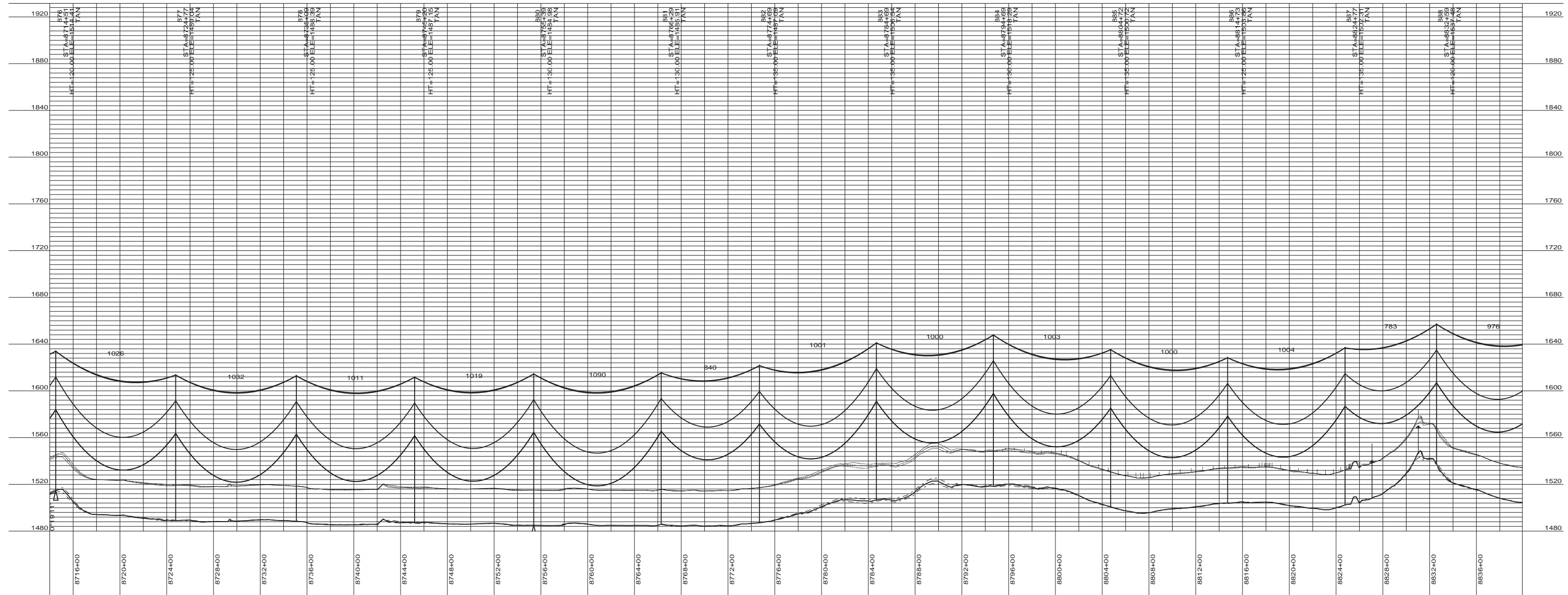
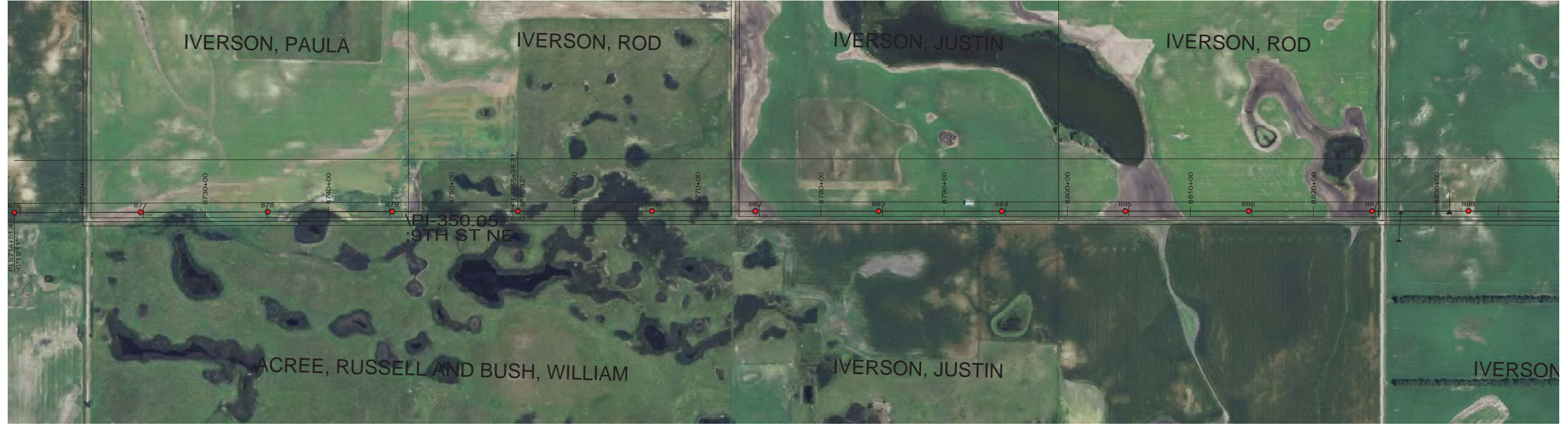
FOSTER COUNTY

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



55-PP-FS000-006

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



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

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

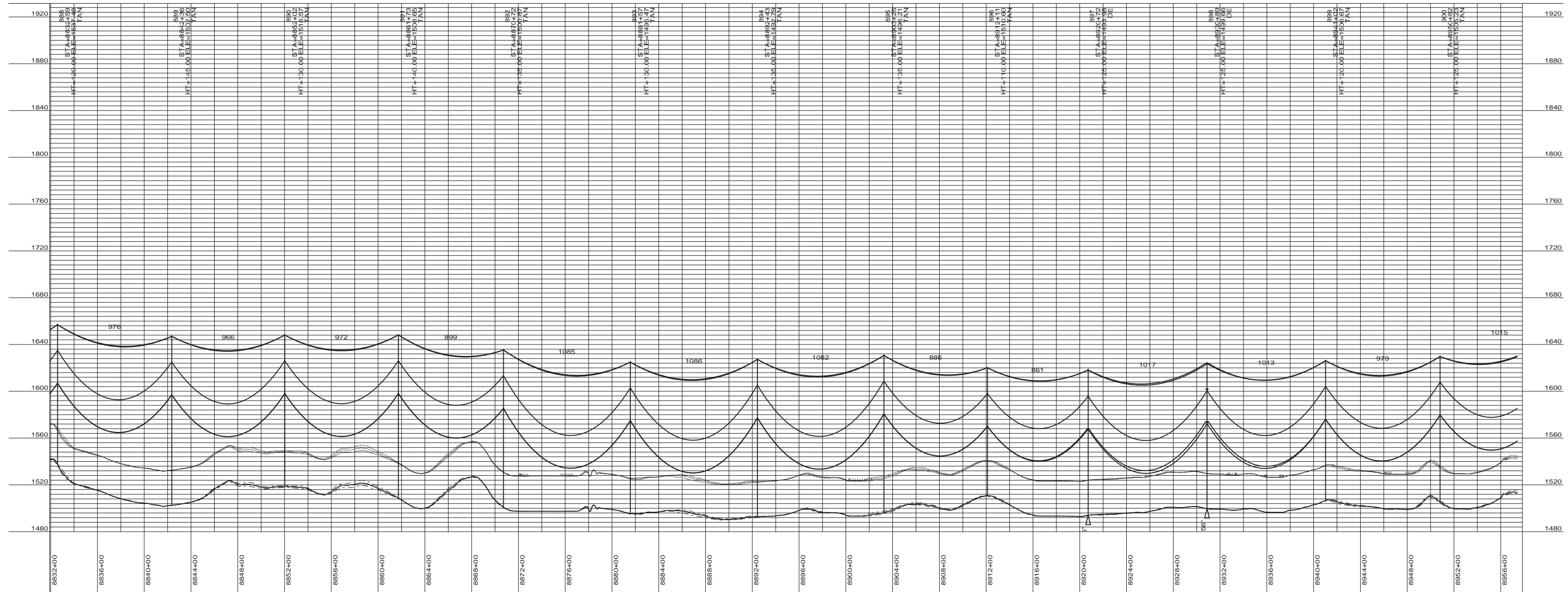
GRIGGS COUNTY

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



55-PP-GR000-001

PRELIMINARY



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'
 CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

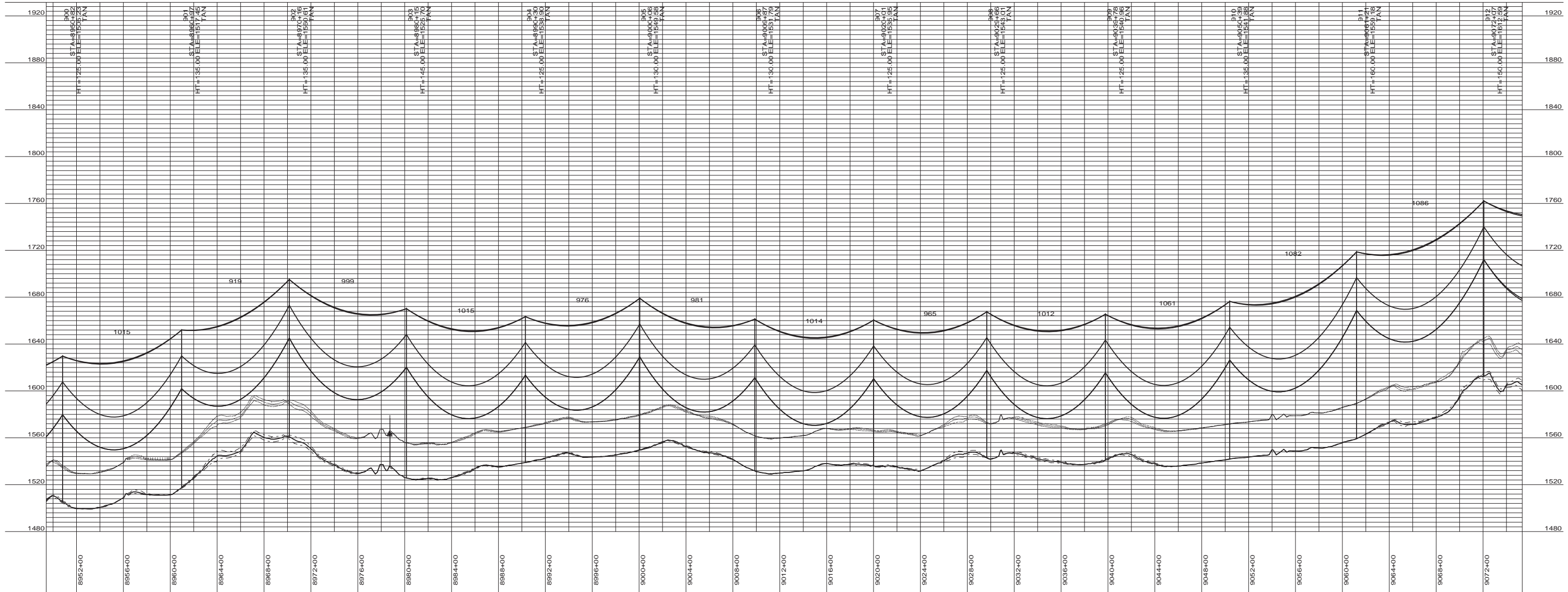
Center to Grand Forks Project

GRIGGS COUNTY

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

55-PP-GR000-002

PRELIMINARY



DESIGN CONDITIONS:		CONDUCTOR _____	
SHIELD _____	20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'	20% RTS @ -20 DEGREES F, INITIAL	
REV	DATE	APP	DFTR

Stanley Consultants INC.
 8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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

DESIGNED XXXXX
 DRAWN XXXXX
 CHECKED XXXXX
 APPROVED XXXXX
 DATE 11/14/2011

Center to Grand Forks Project

Minnkota Power
 COOPERATIVE, INC.

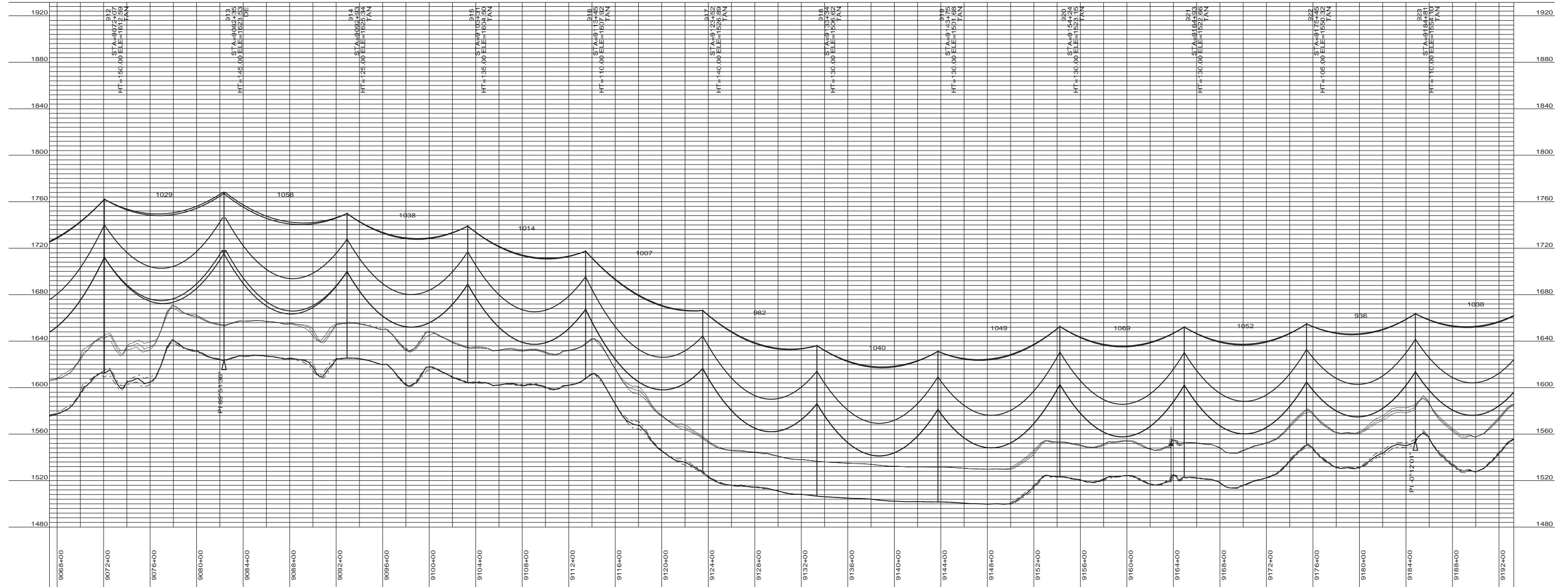
GRIGGS COUNTY

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

55-PP-GR000-003

PRELIMINARY

PLS-CADD DRAWING



DESIGN CONDITIONS:
 SHIELD _____
 20% RTS @ -20 DEGREES F, INITIAL CLEARANCE LINE: XX'

CONDUCTOR _____
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DFTR



Stanley Consultants INC

8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112

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


DESIGNED	XXXXX
DRAWN	XXXXX
CHECKED	XXXXX
APPROVED	XXXXX
DATE	11/14/2011

Center to Grand Forks Project



GRIGGS COUNTY

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



55-PP-GR000-004