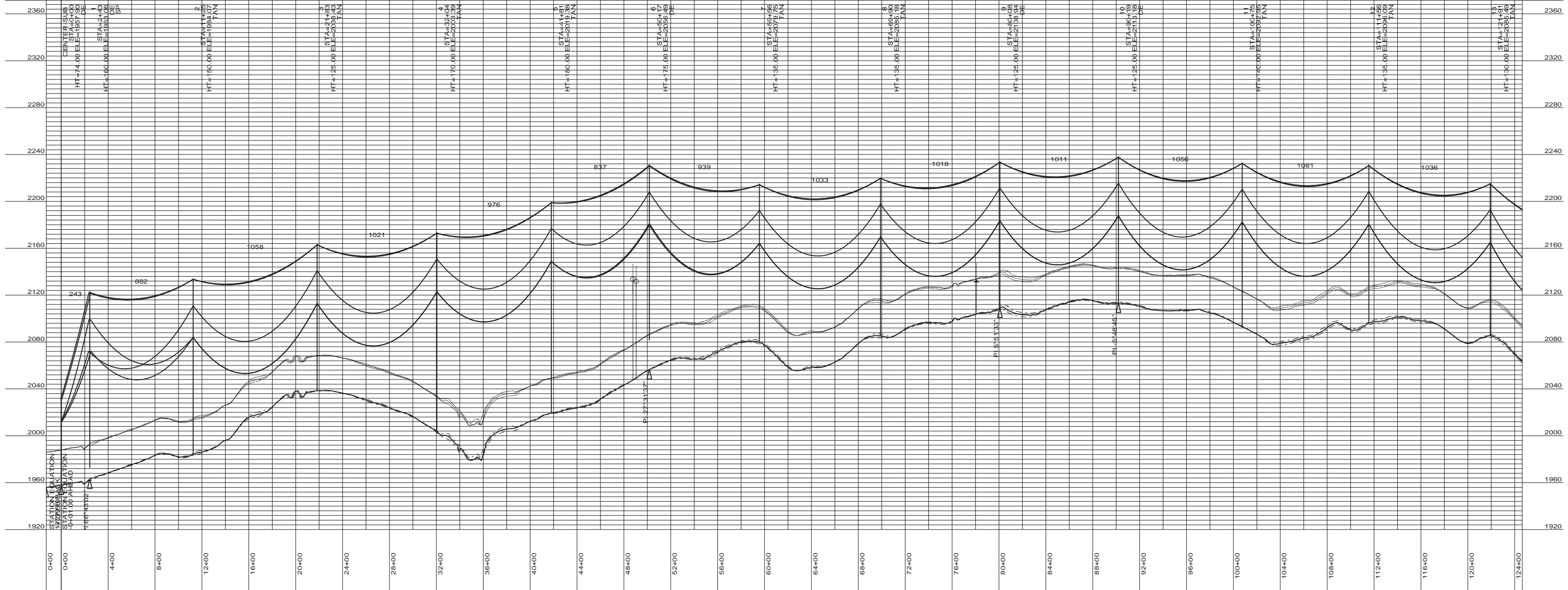


Preliminary Plan and Profile

File 1, Pages 1 to 34

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



COOPERATIVE, INC.

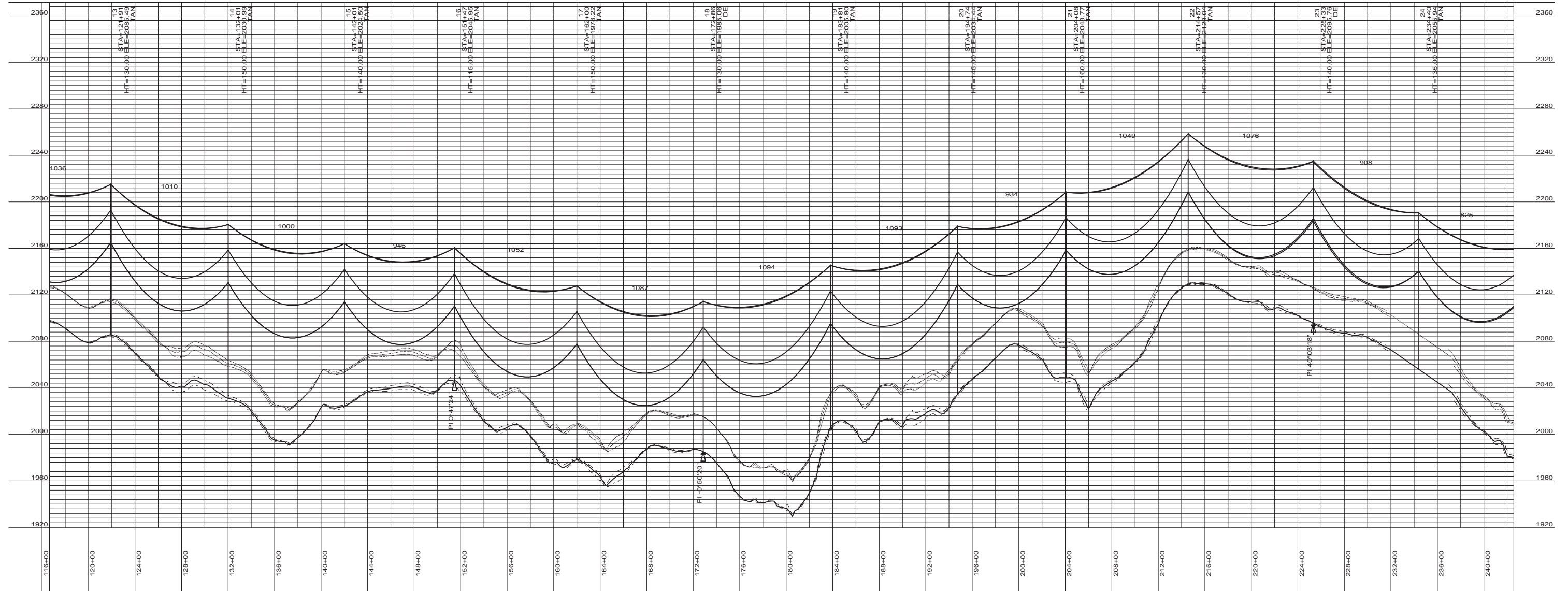
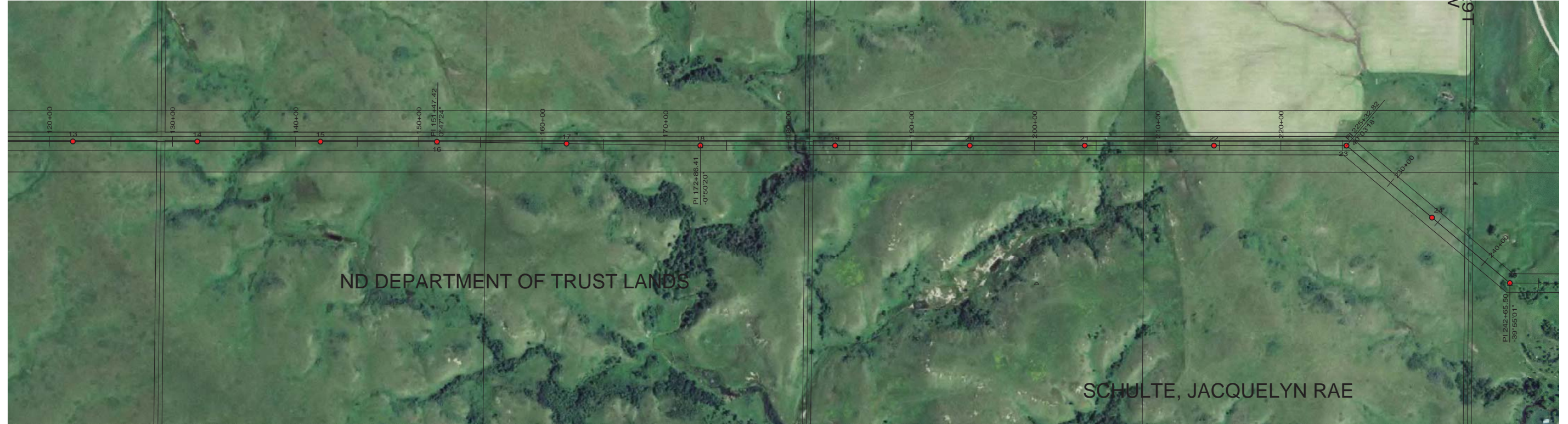
OLIVER-BURLEIGH COUNTY

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



55-PP-OL000-001

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

Center to Grand Forks Project

COOPERATIVE, INC.

OLIVER-BURLEIGH COUNTY

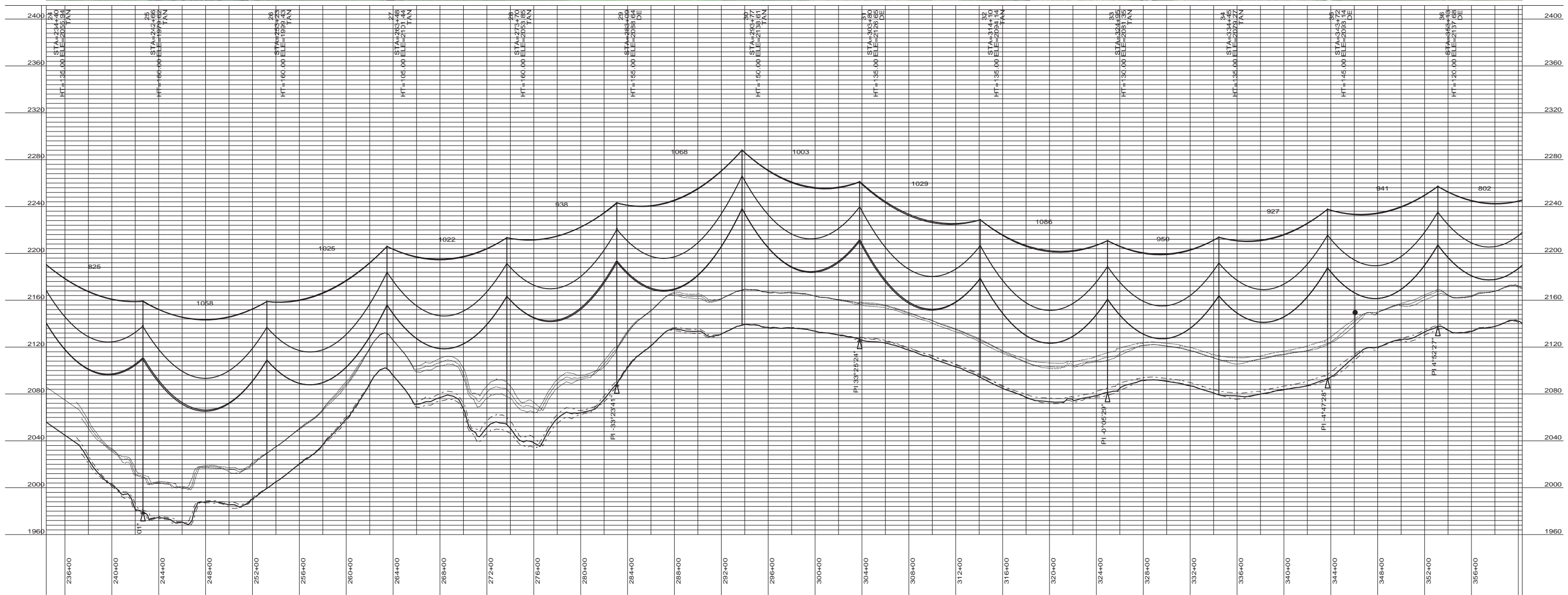
400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

55-PP-OL000-002

PRELIMINARY



PI=341.84
BOOK 30
PAGE 615



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
APPROVED	
DATE	11/14/2011

Center to Grand Forks Project



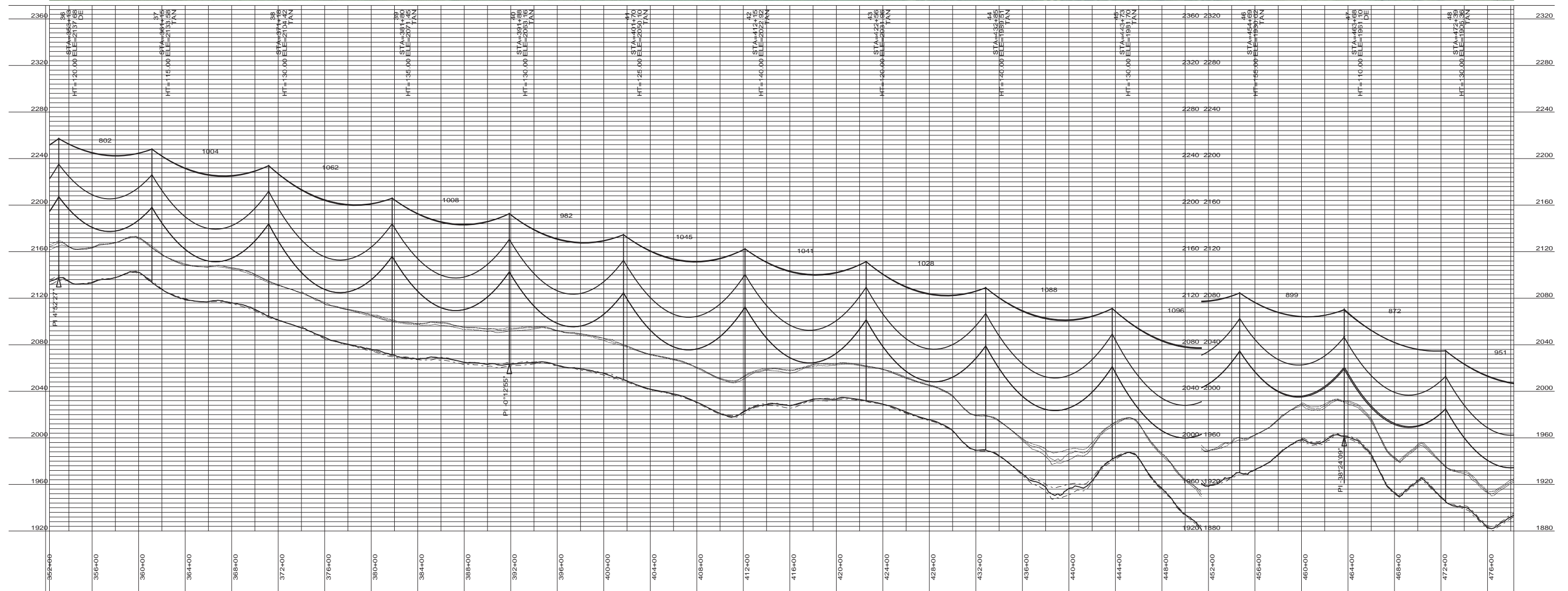
OLIVER-BURLEIGH COUNTY

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



55-PP-OL000-003

PRELIMINARY



DESIGN CONDITIONS:
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 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



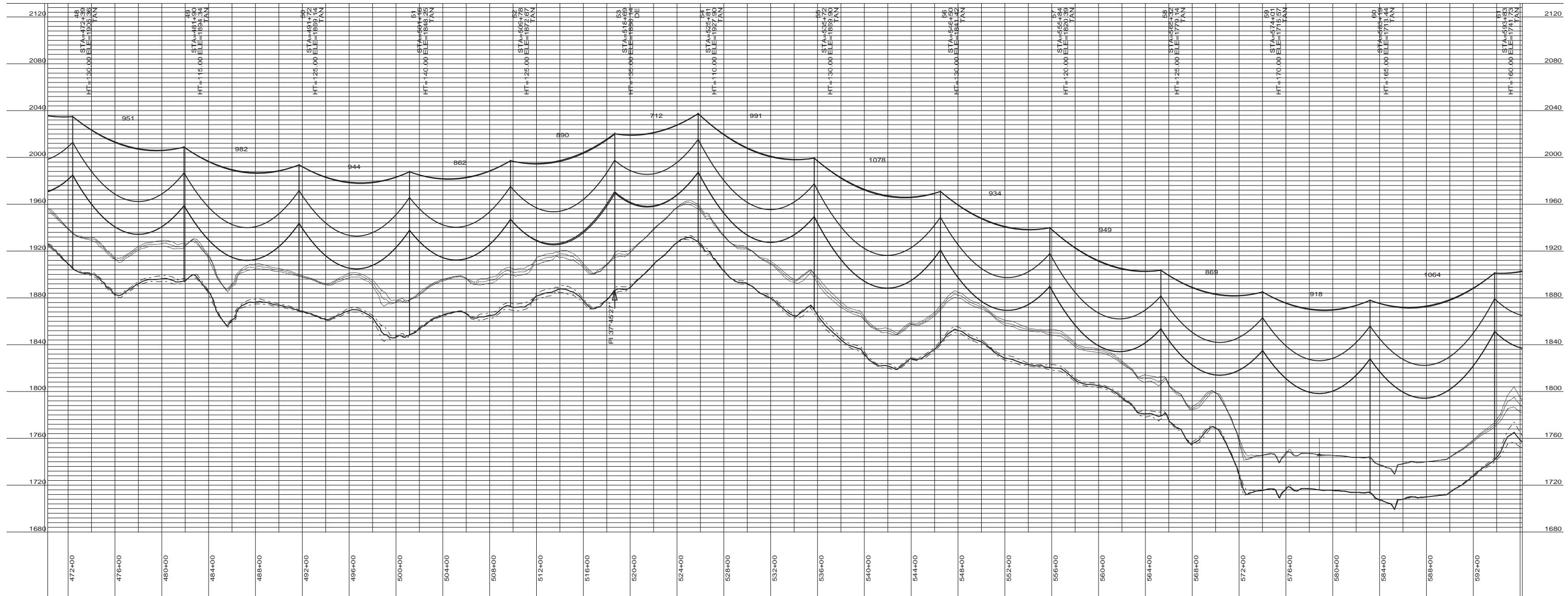
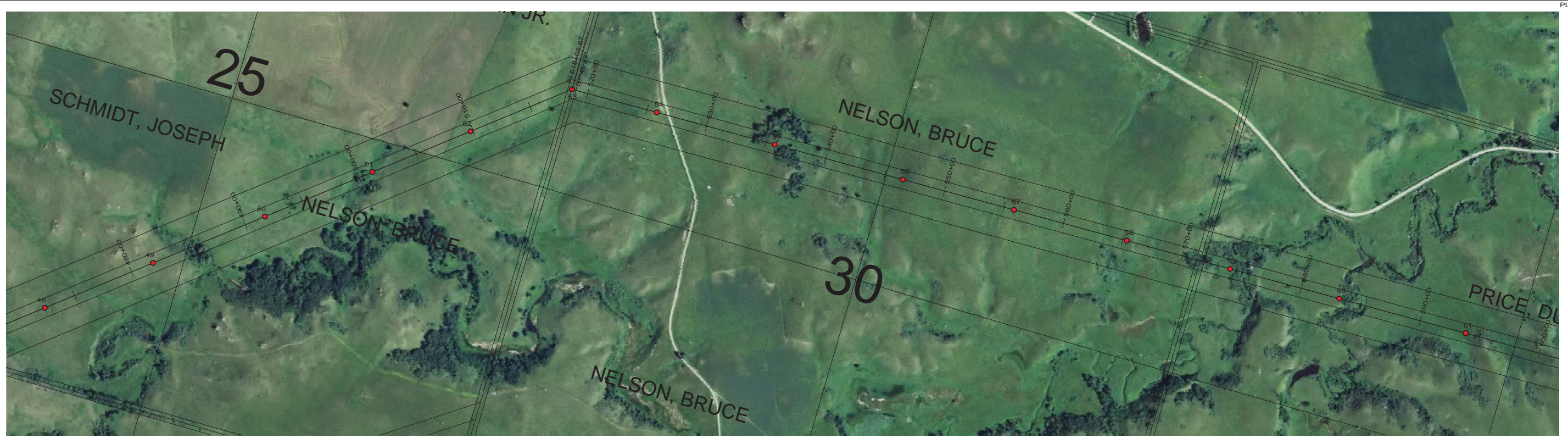
OLIVER-BURLEIGH COUNTY

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



55-PP-OL000-004

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.

OLIVER-BURLEIGH COUNTY

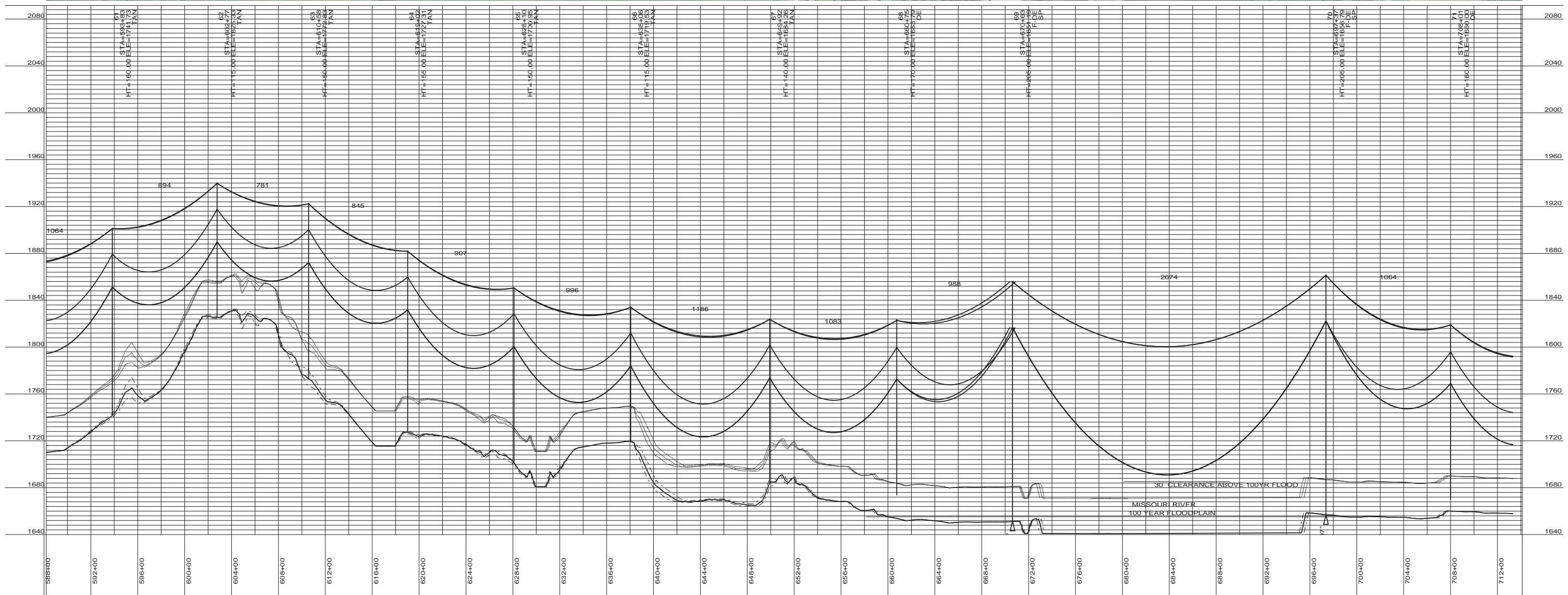
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 40.0 FT. VERT. SCALE



55-PP-OL000-005

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

Center to Grand Forks Project



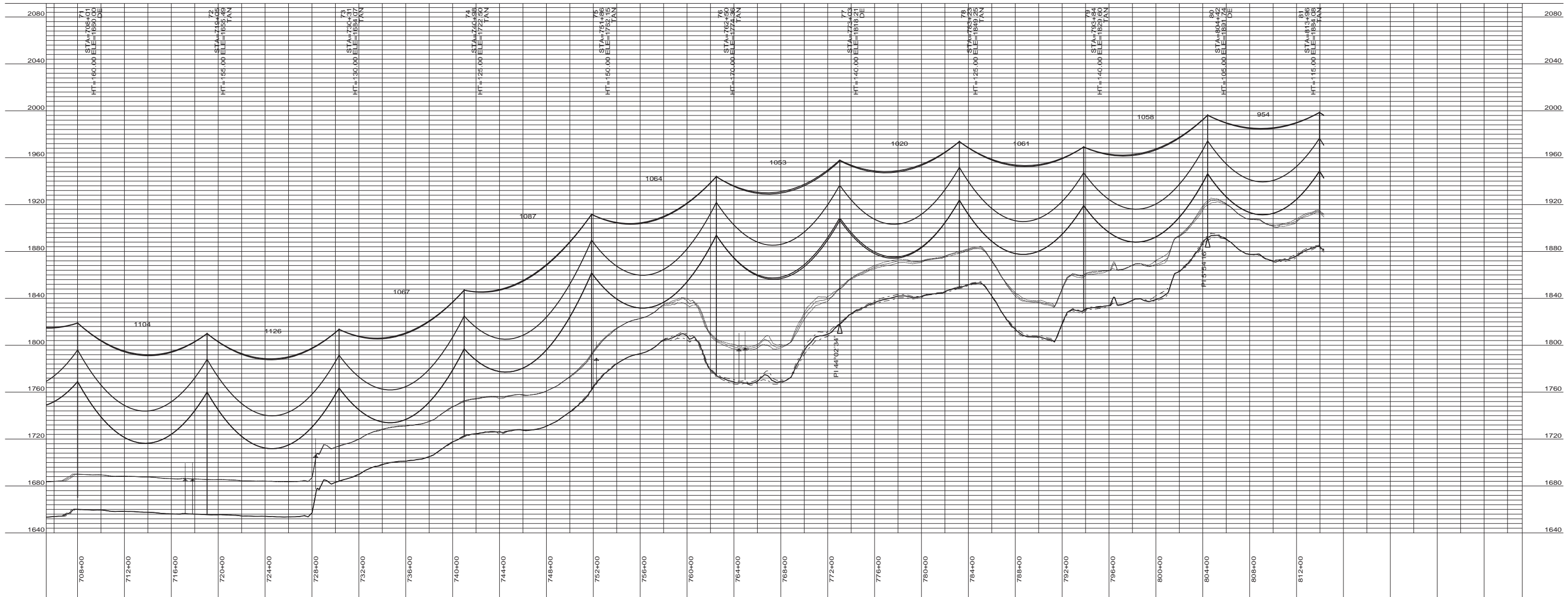
OLIVER-BURLEIGH COUNTY

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



55-PP-OL000-006

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

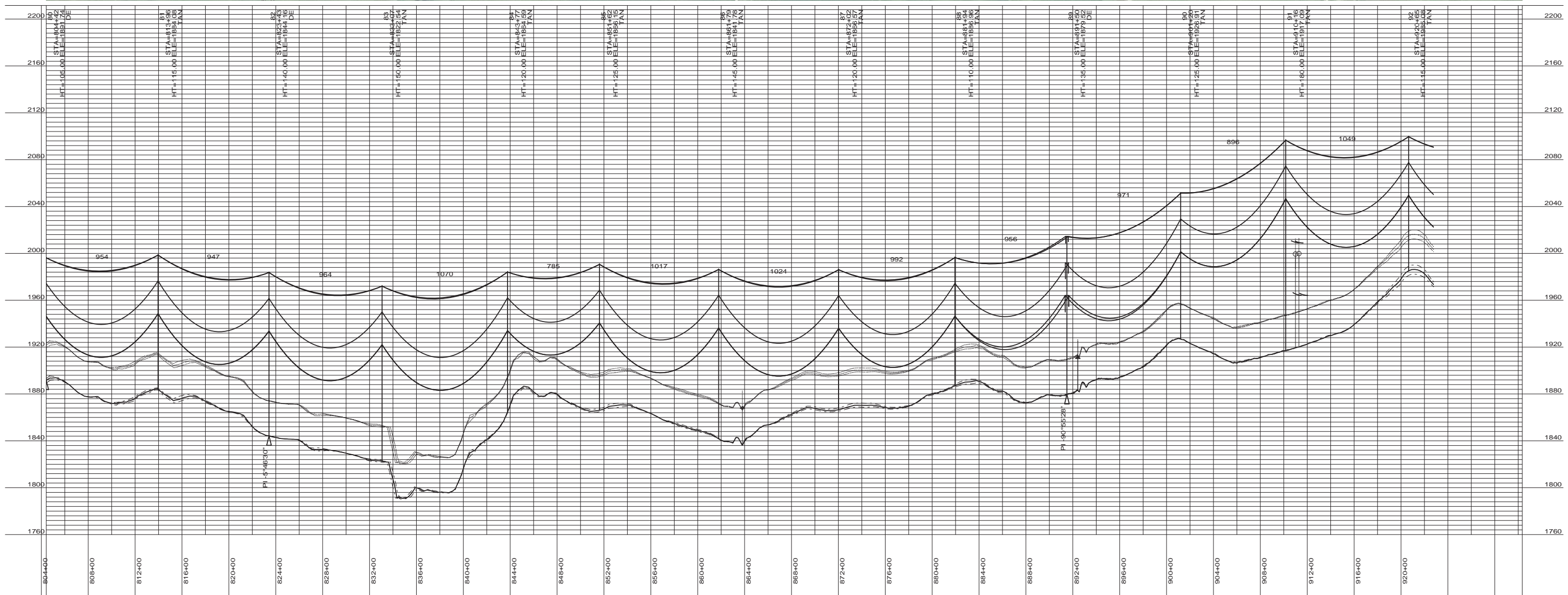
DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

Center to Grand Forks Project
Minnkota Power
 COOPERATIVE, INC.

OLIVER-BURLEIGH COUNTY
 400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

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

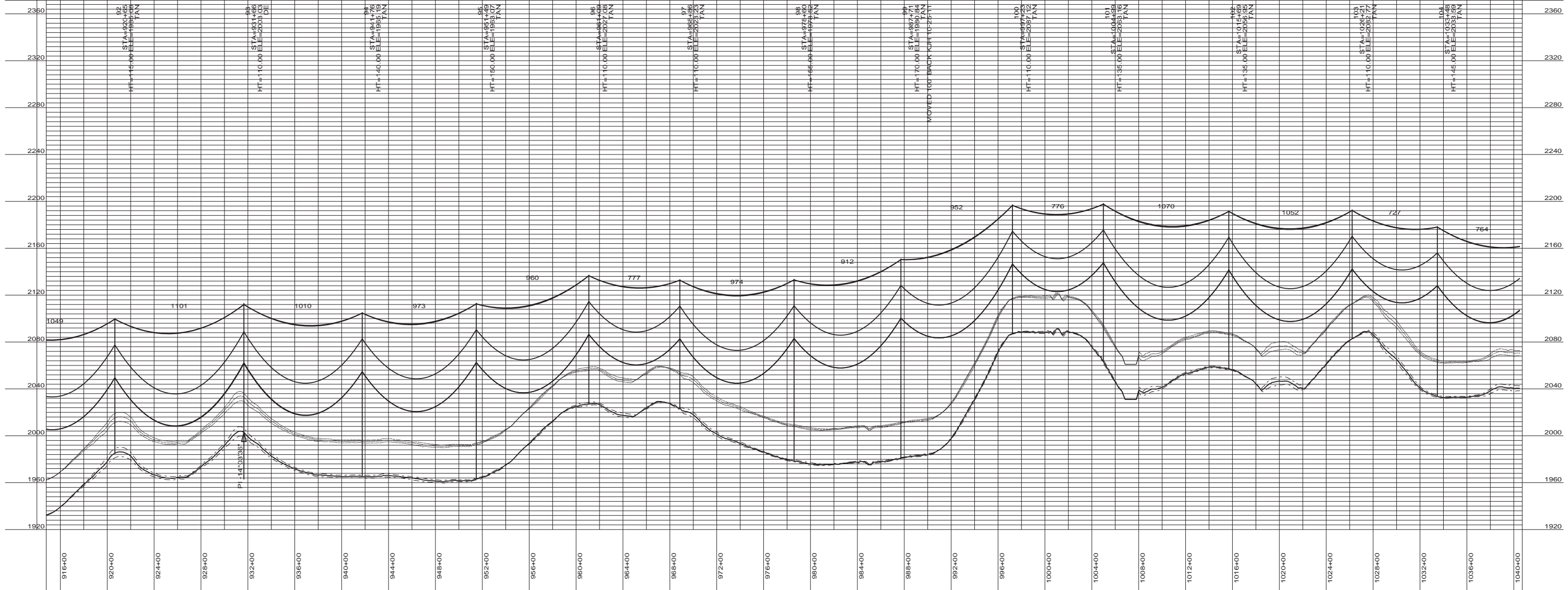
Center to Grand Forks Project

OLIVER-BURLEIGH COUNTY

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

55-PP-BR000-008

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



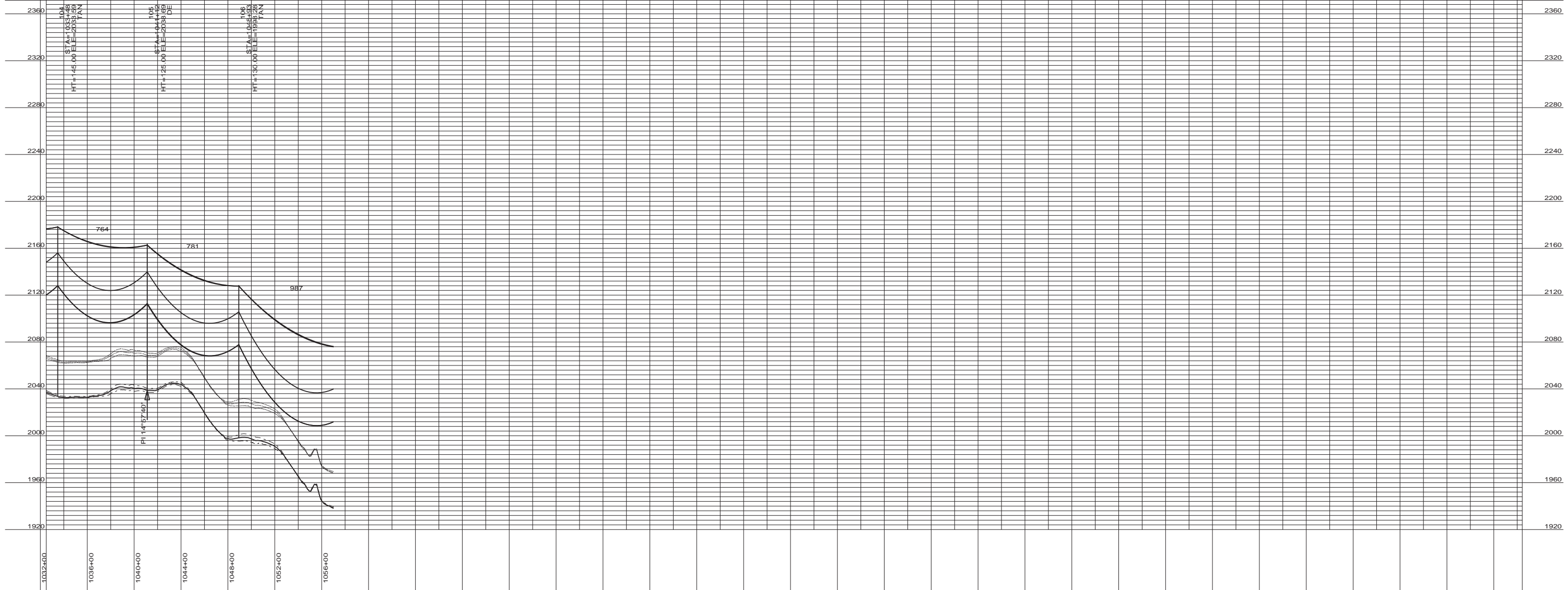
OLIVER-BURLEIGH COUNTY

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



55-PP-BR000-009

PRELIMINARY



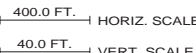

DESIGN CONDITIONS:		CONDUCTOR _____	
SHIELD _____		20% RTS @ -20 DEGREES F, INITIAL	
20% RTS @ -20 DEGREES F, INITIAL		20% RTS @ -20 DEGREES F, INITIAL	
CLEARANCE LINE: XX'			
REV	DATE	APP	DFTR


Stanley Consultants INC
 8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

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

Center to Grand Forks Project

 COOPERATIVE, INC.

OLIVER-BURLEIGH COUNTY

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

 55-PP-BR000-010

PRELIMINARY

WILDLIFE TESTAMENTARY TRUST

CHAFER, EVA

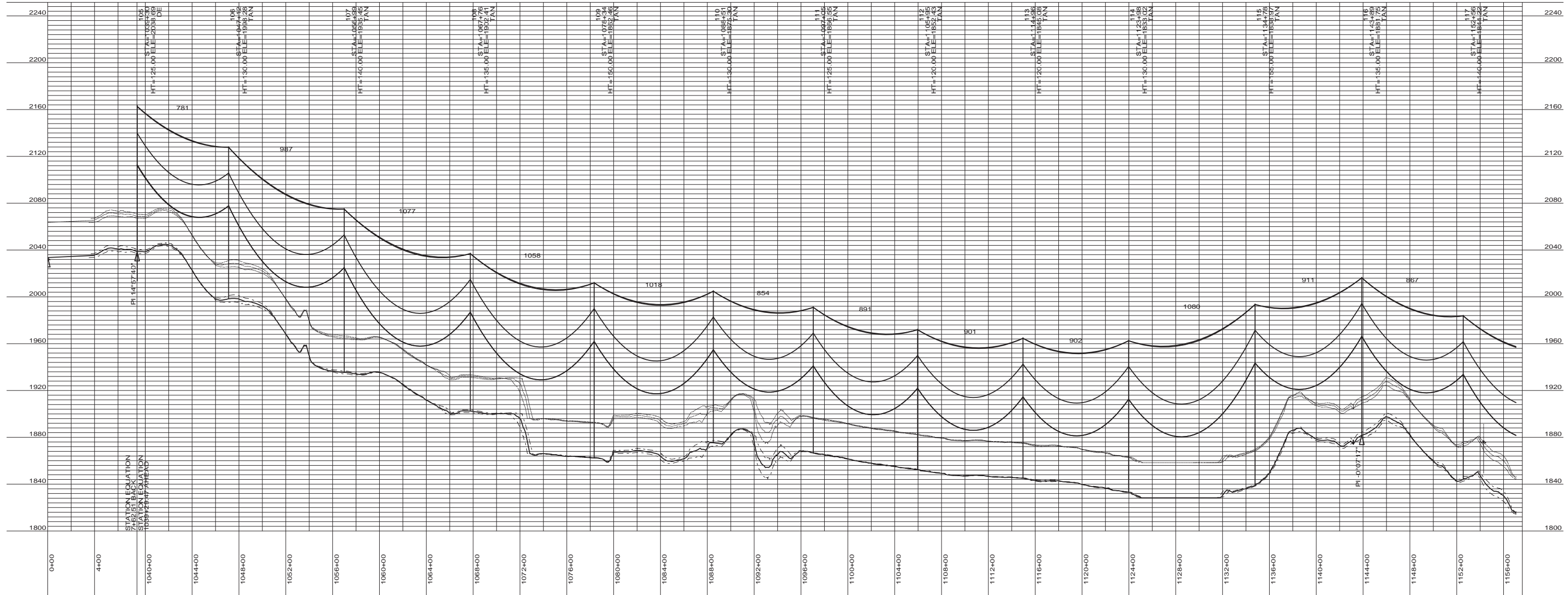
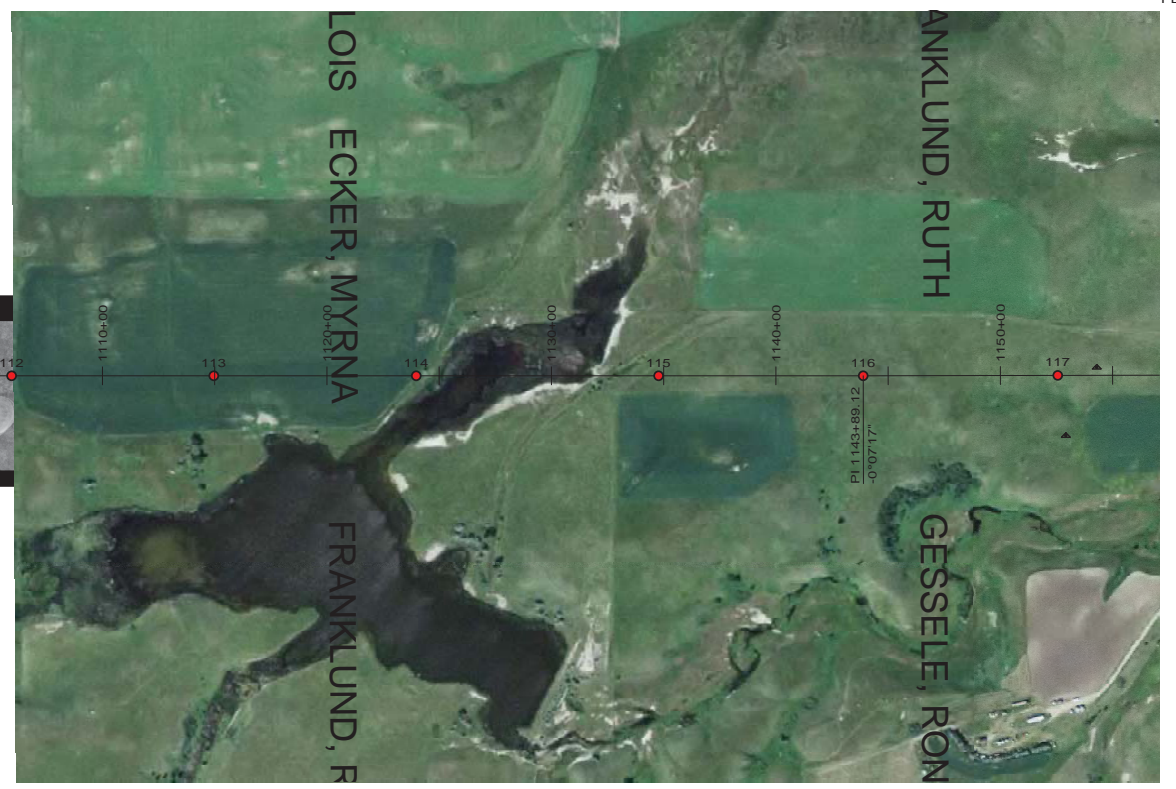
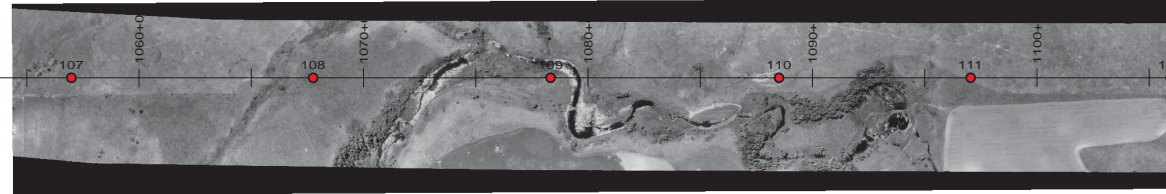
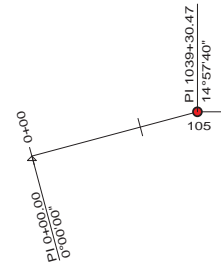
HILLING, SHARO

SCHAFFER, E

LOIS ECKER, MYRNA

ANKLUND, RUTH

GESSELE, RON



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

Center to Grand Forks Project

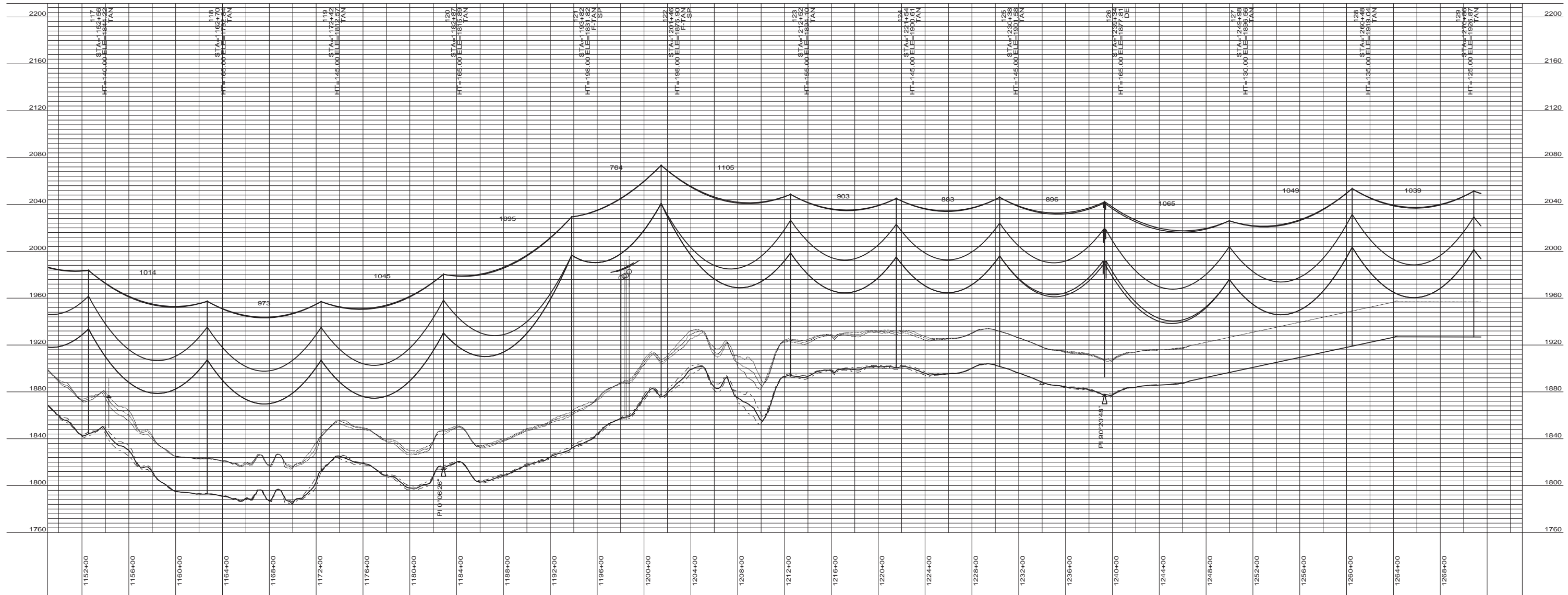
Minnkota Power
 COOPERATIVE, INC.

MCLEAN COUNTY

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

55-PP-ML000-001

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

Center to Grand Forks Project



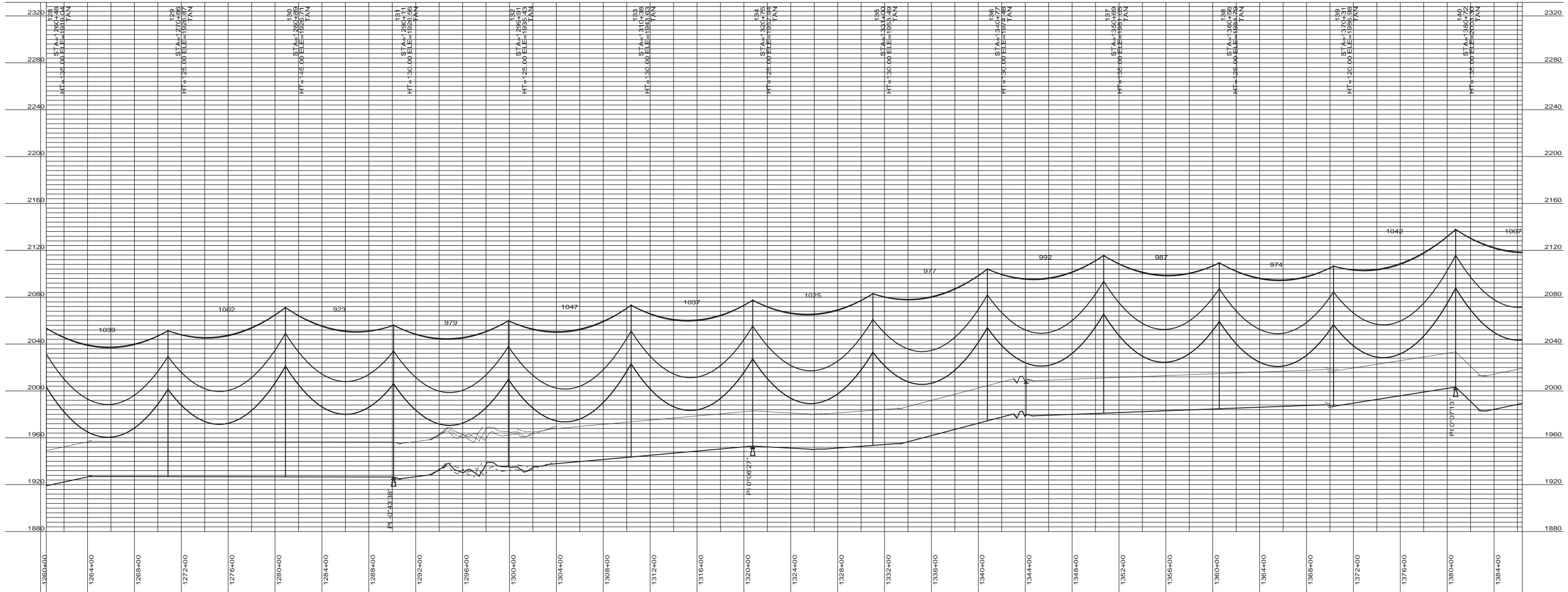
MCLEAN COUNTY

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



55-PP-ML000-002

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

Center to Grand Forks Project



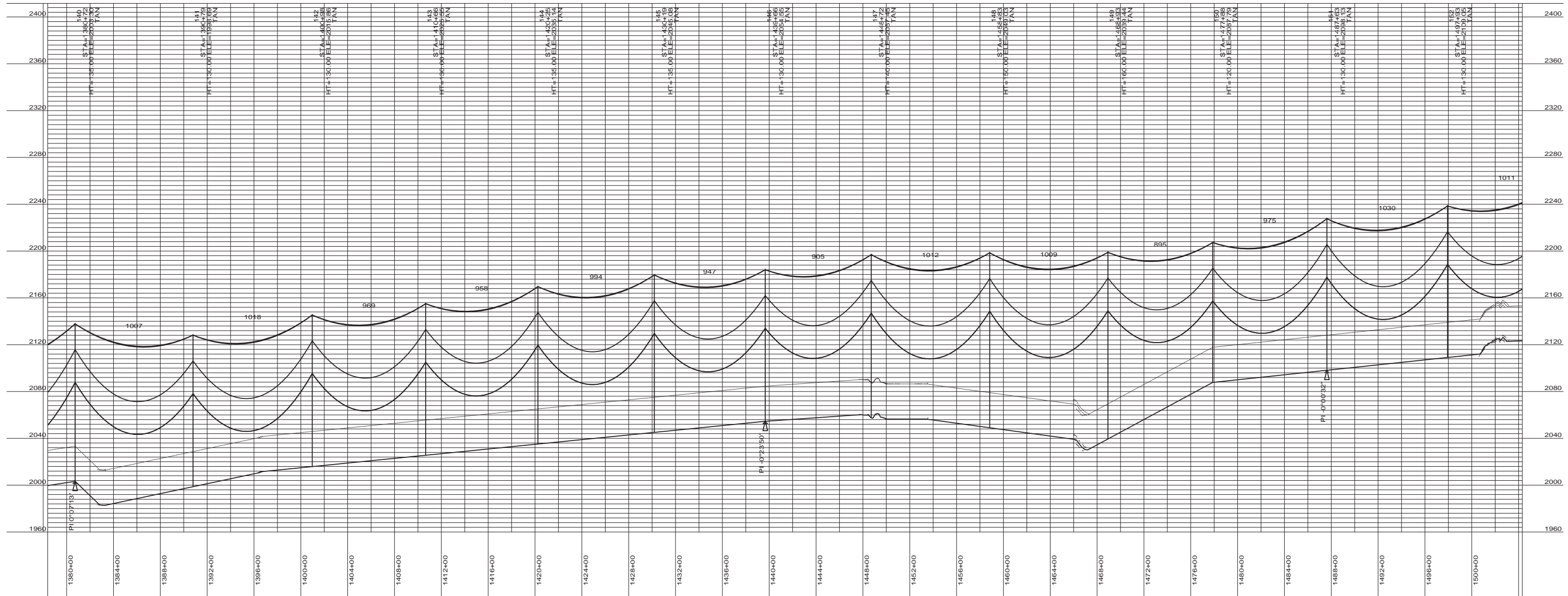
MCLEAN COUNTY

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



55-PP-ML000-003

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

Stanley Consultants INC.
 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

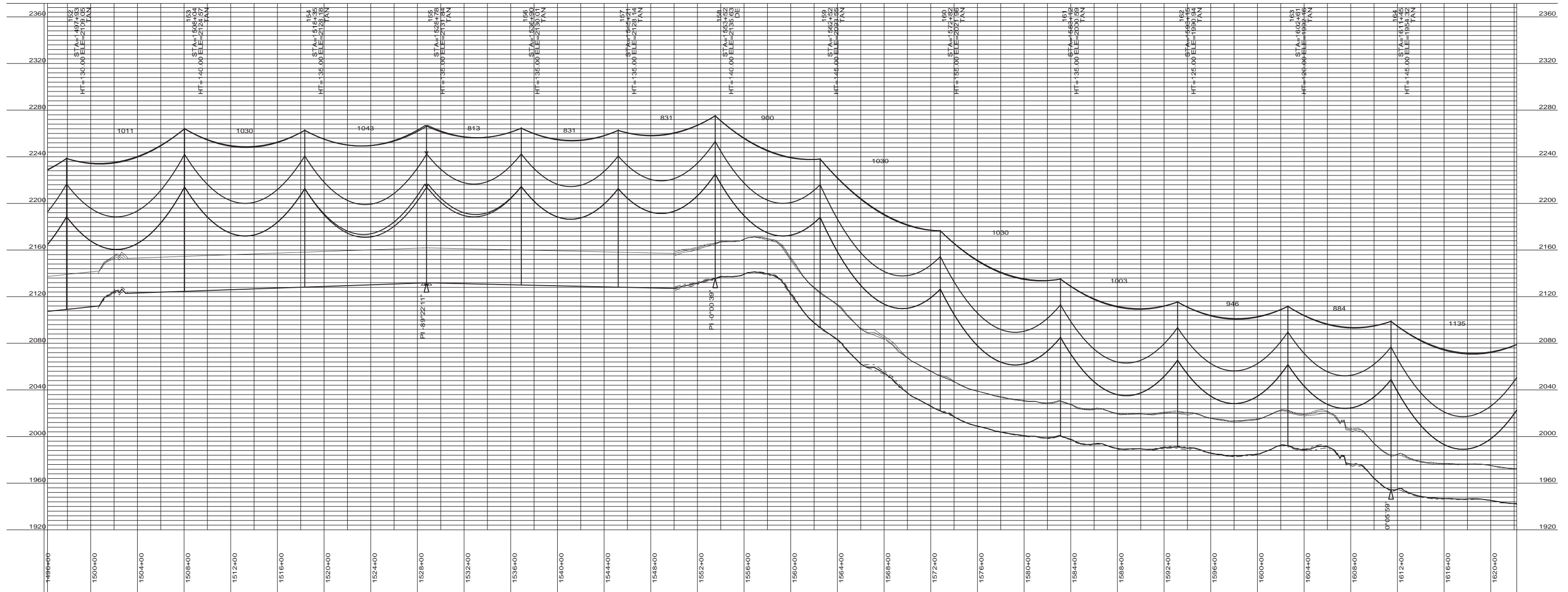
Minnkota Power
 COOPERATIVE, INC.

MCLEAN COUNTY

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

55-PP-ML000-004

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



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



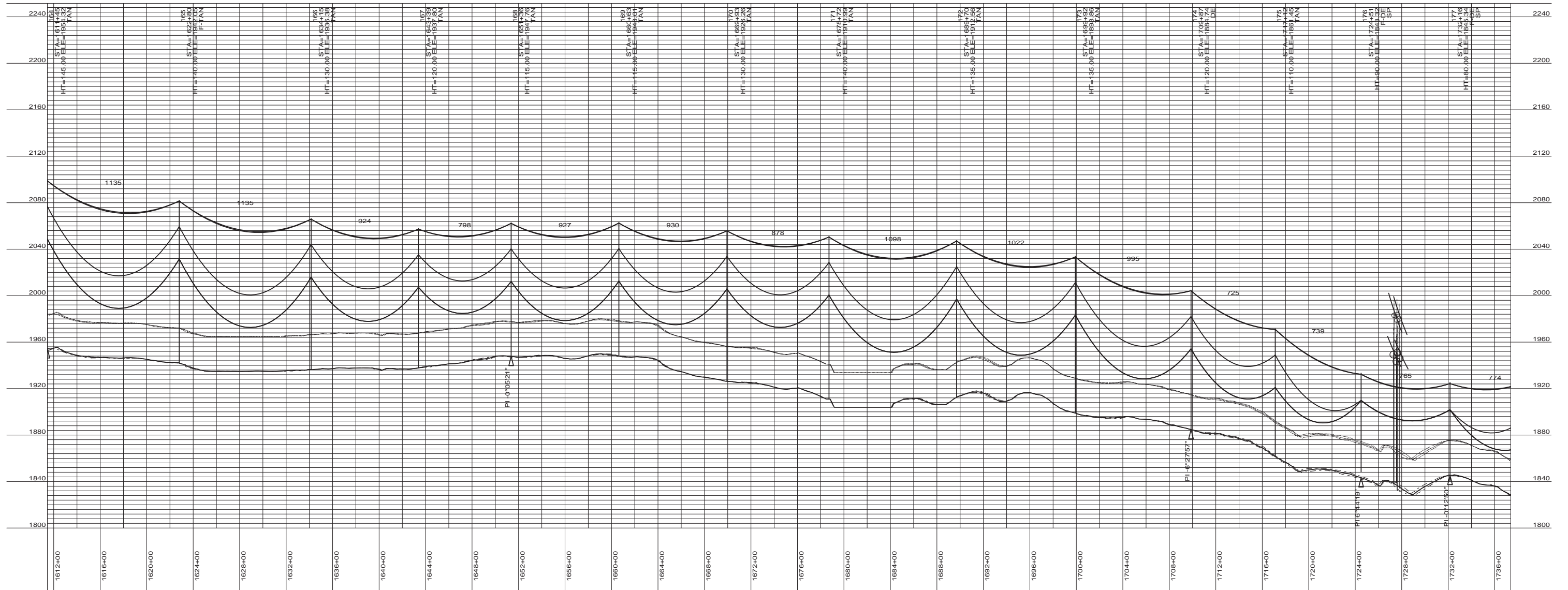
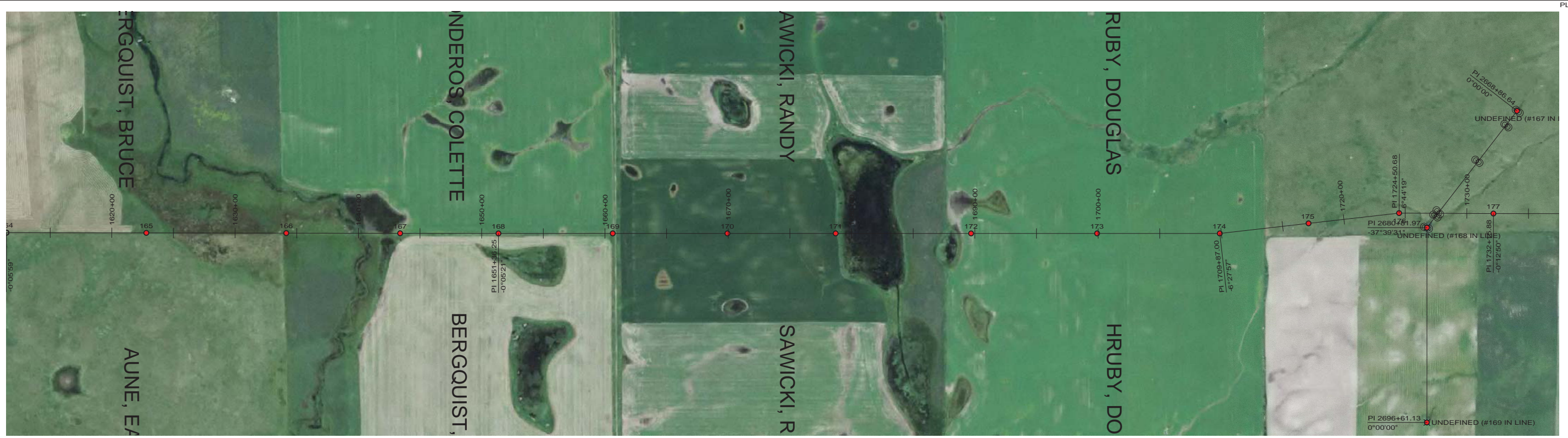
MCLEAN COUNTY

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



55-PP-ML000-005

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

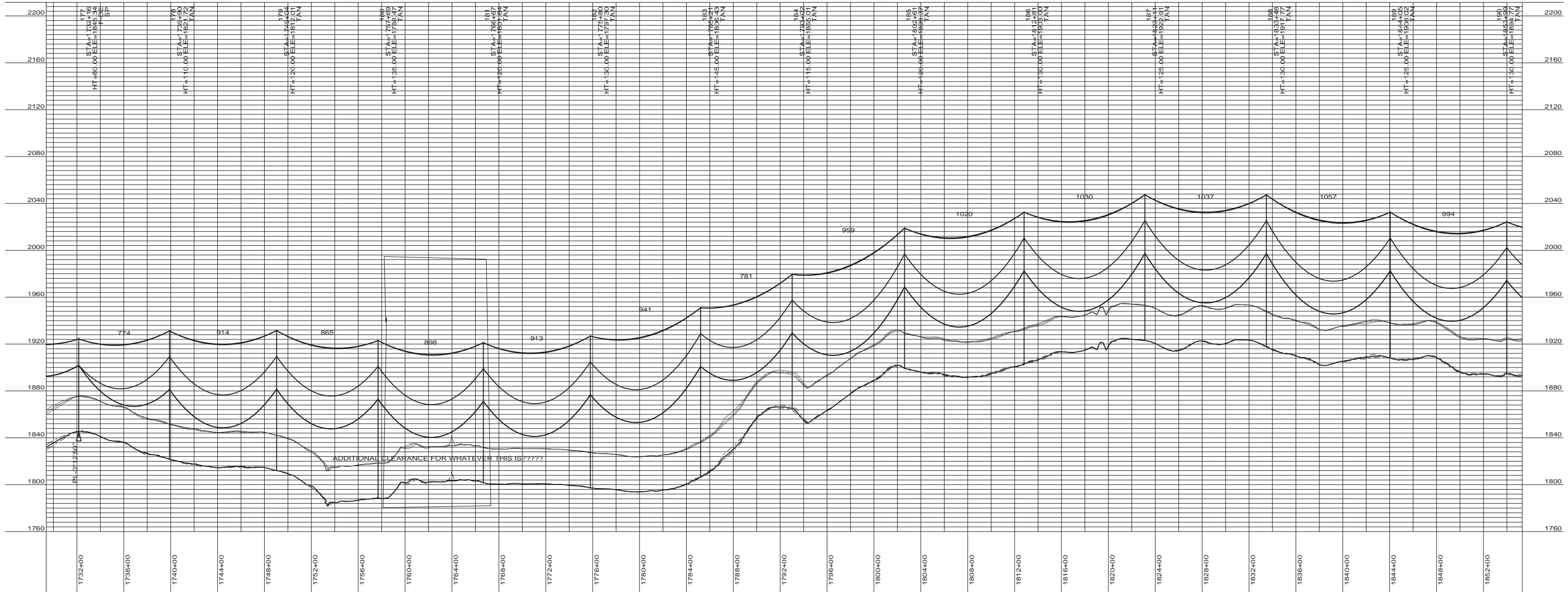
COOPERATIVE, INC.

MCLEAN COUNTY

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

55-PP-ML000-006

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



Stanley Consultants INC

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.

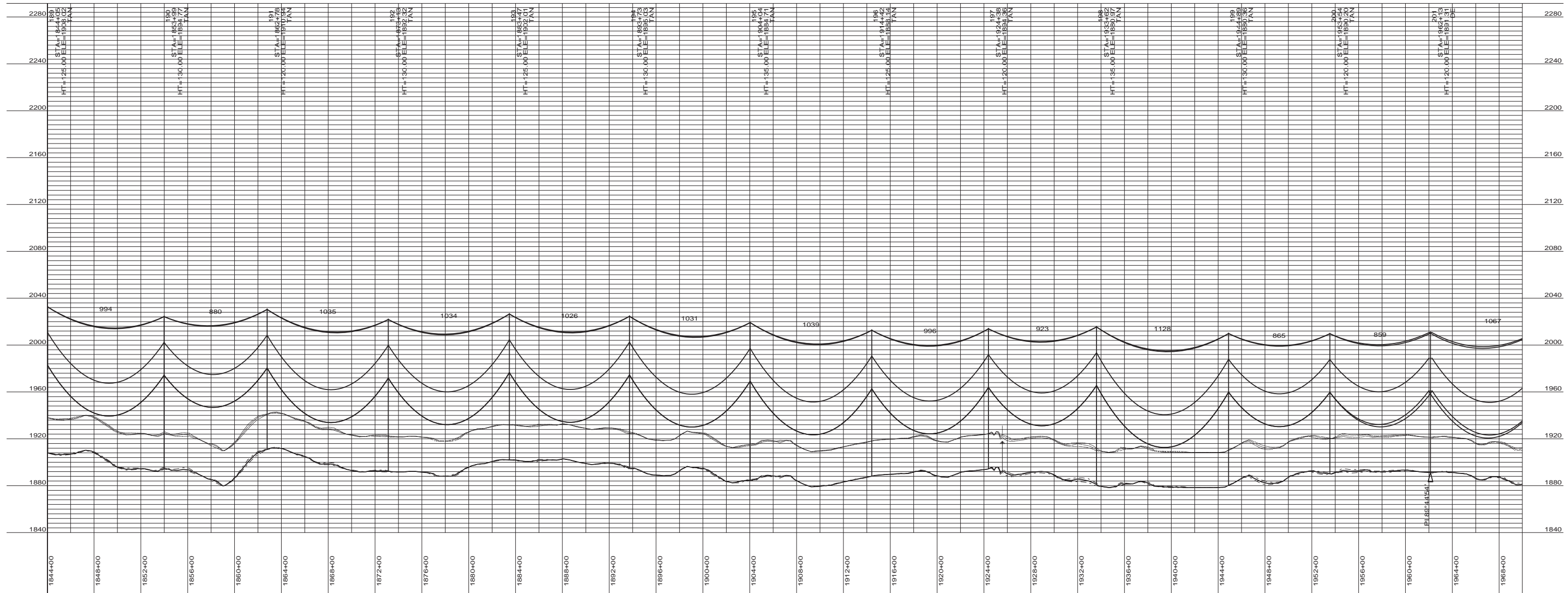
MCLEAN COUNTY

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



55-PP-ML000-007

PRELIMINARY



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

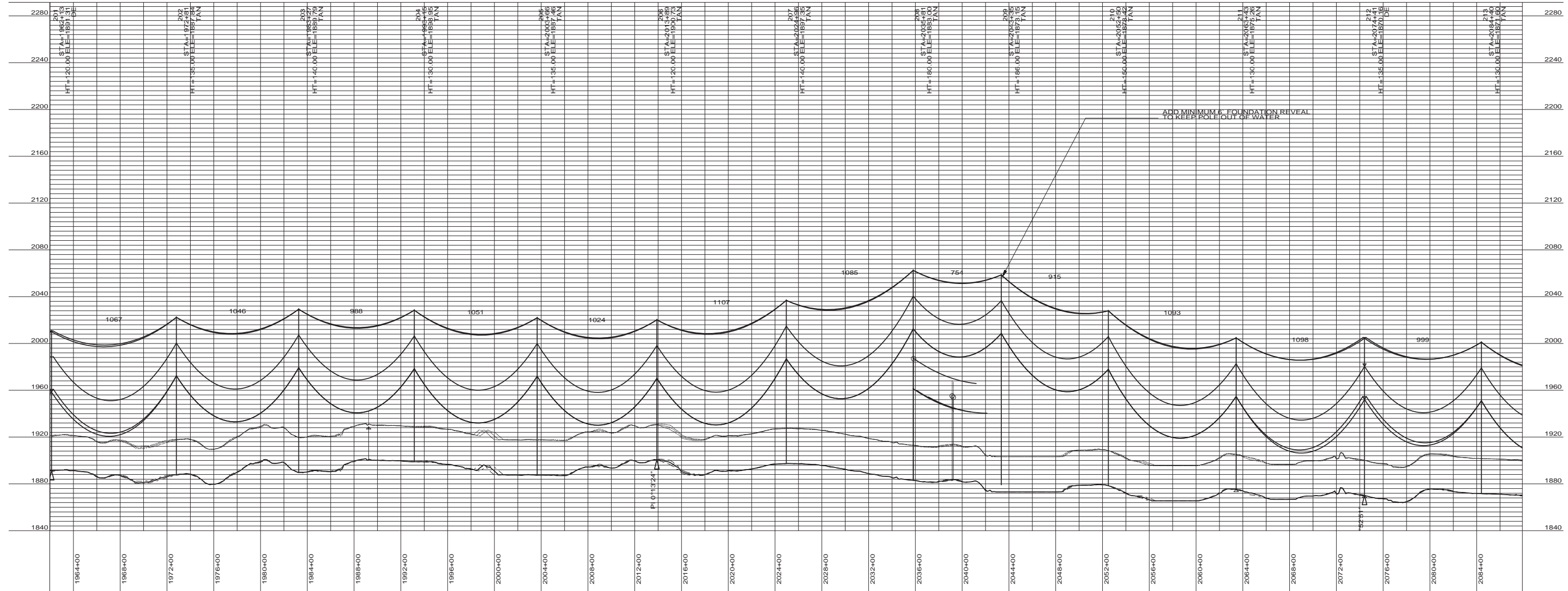
Minnkota Power
 COOPERATIVE, INC.

MCLEAN COUNTY

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

55-PP-ML000-008

PRELIMINARY



ADD MINIMUM 6" FOUNDATION REVEAL TO KEEP POLE OUT OF WATER

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

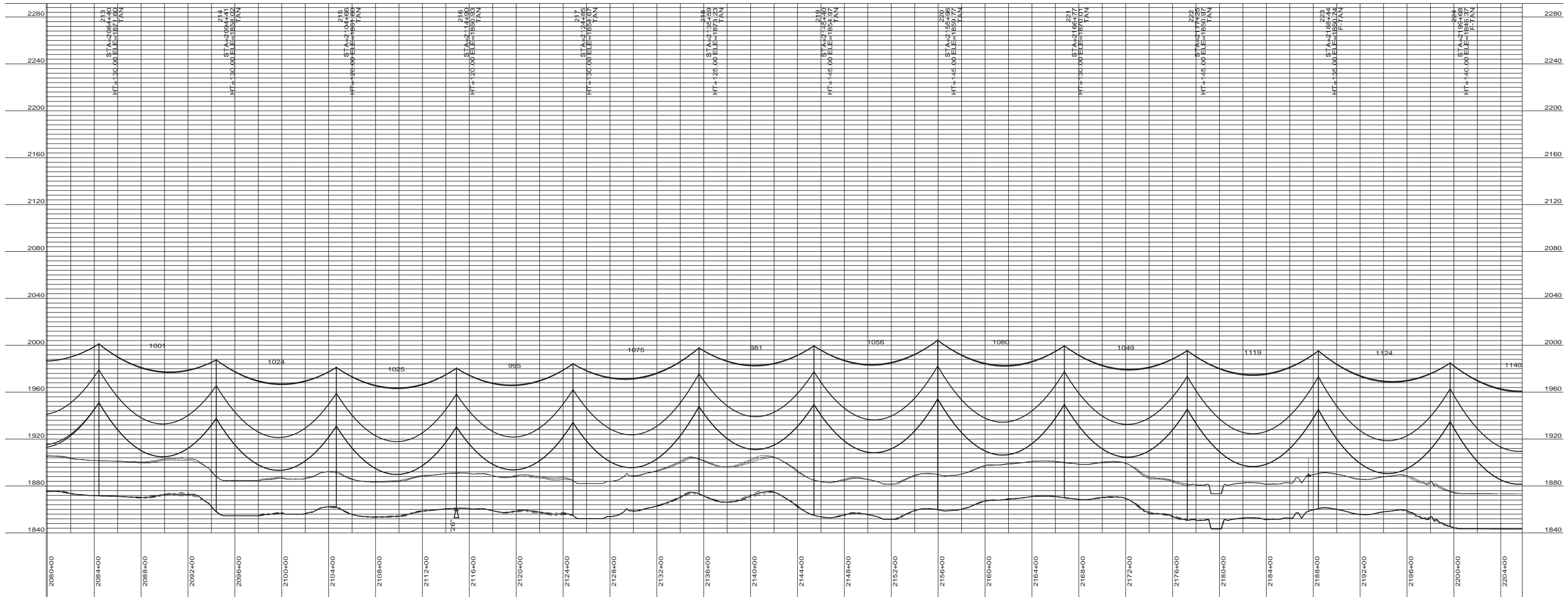
Center to Grand Forks Project

MCLEAN COUNTY

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

55-PP-ML000-009

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



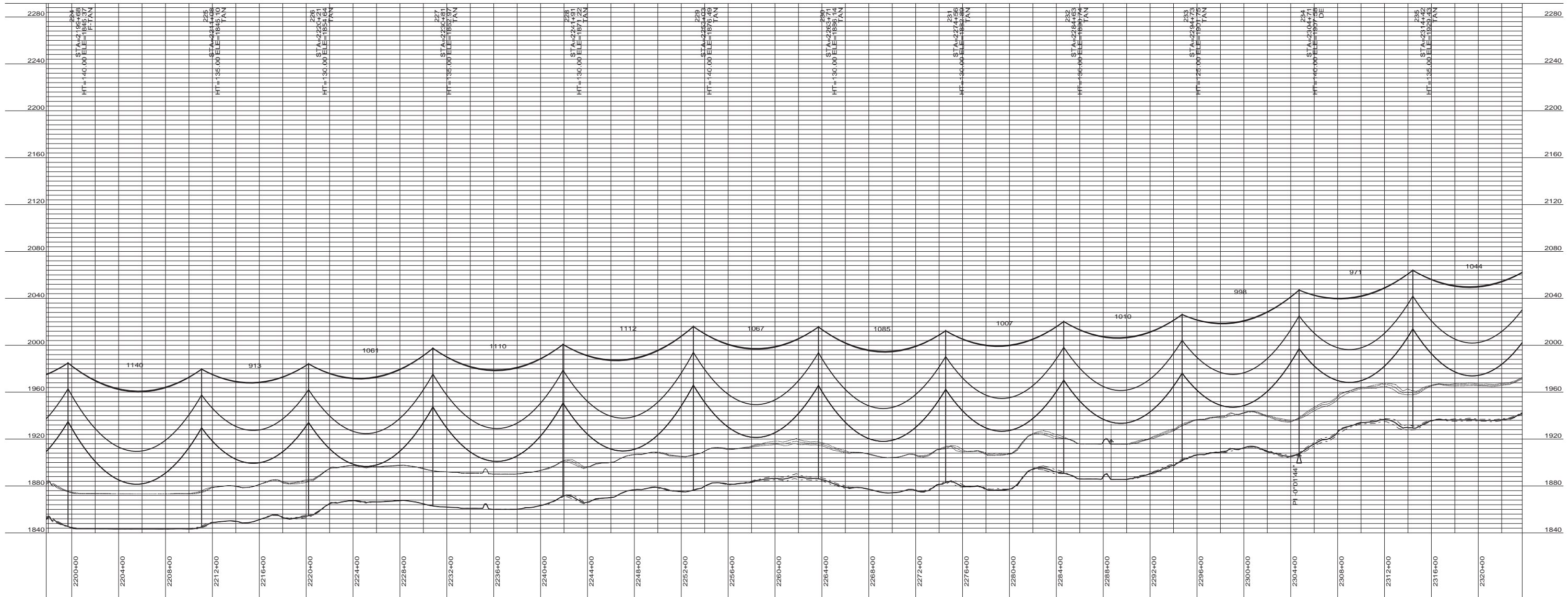
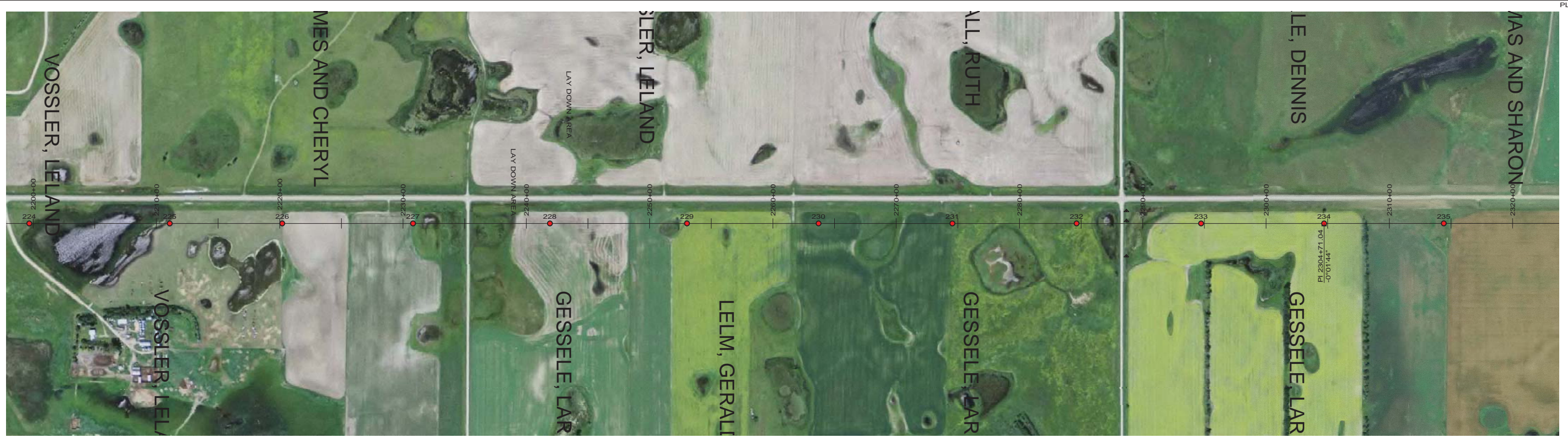
MCLEAN COUNTY

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



55-PP-ML000-010

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



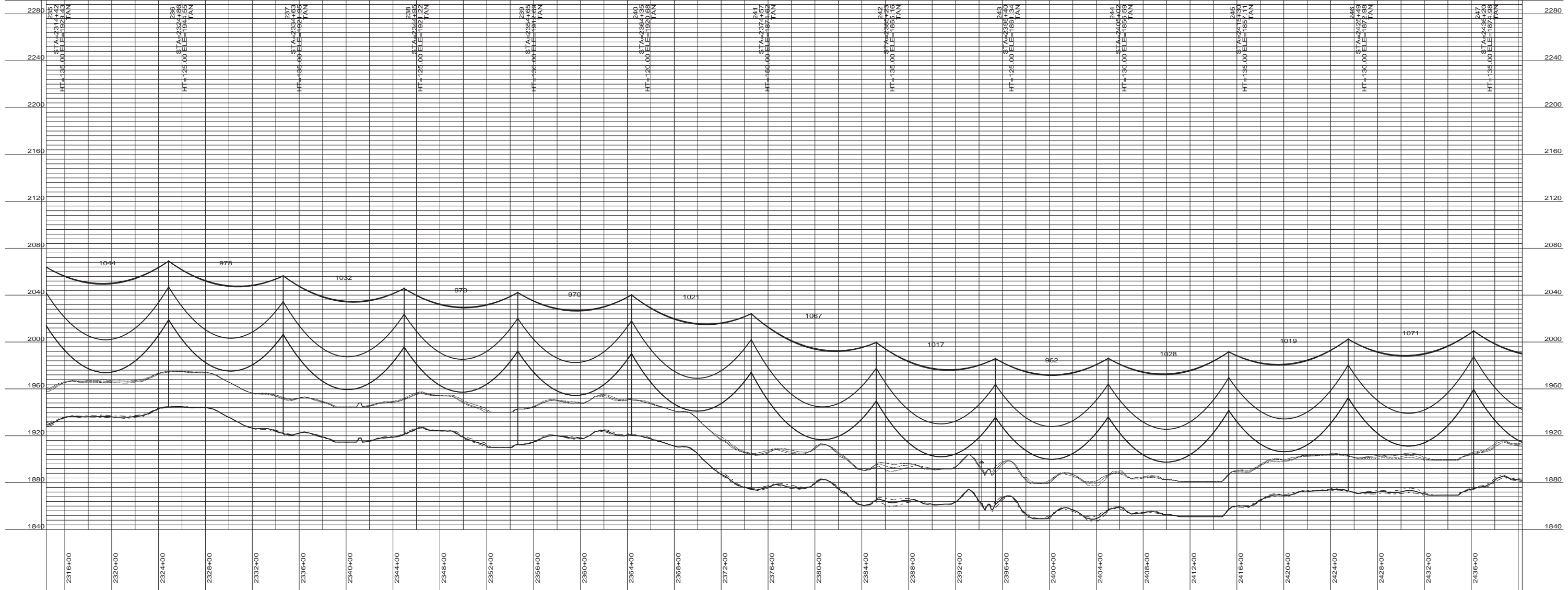
MCLEAN COUNTY

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



55-PP-ML000-011

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



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

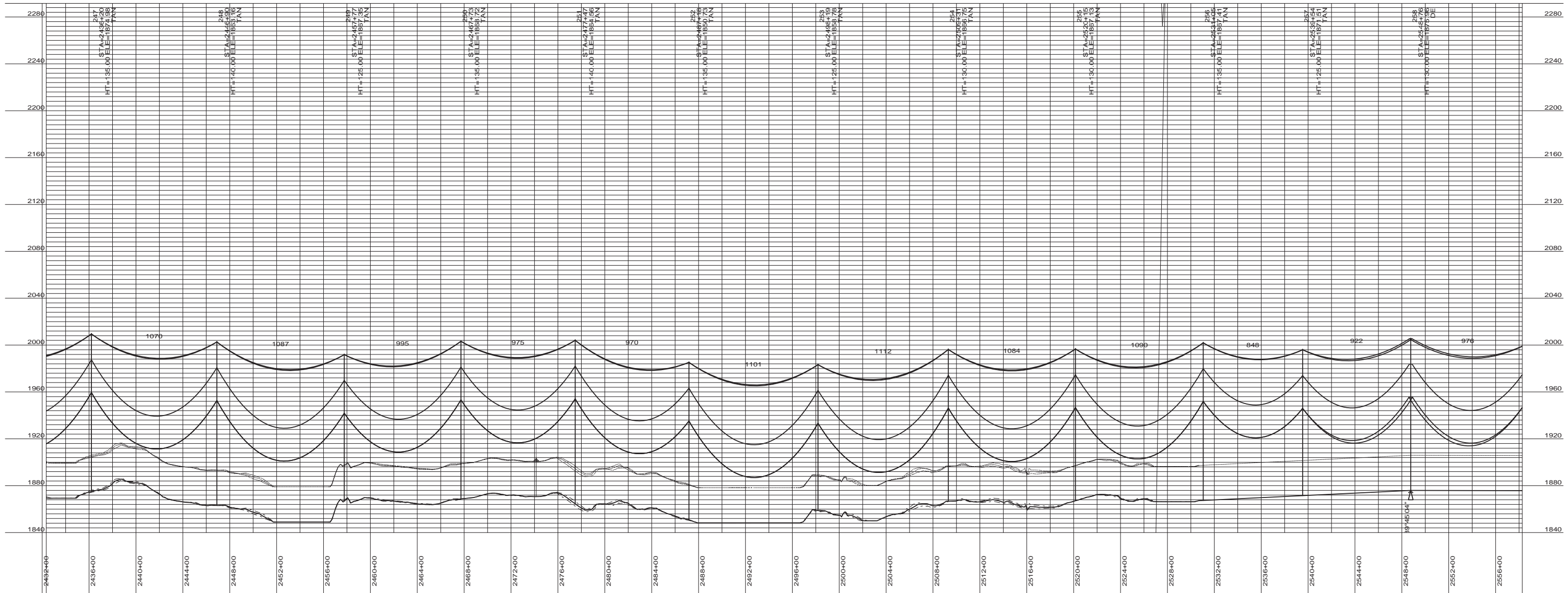


MCLEAN COUNTY

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

55-PP-ML000-012

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



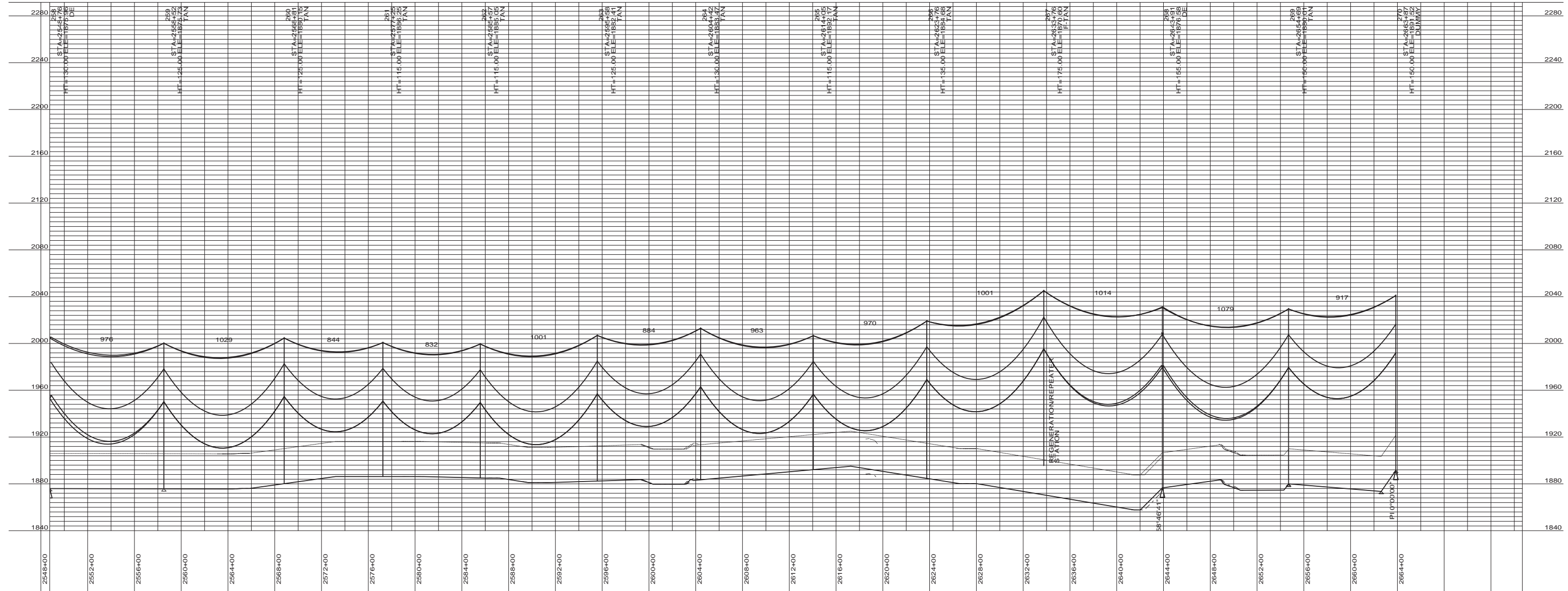
Minnkota Power
 COOPERATIVE, INC.

MCLEAN COUNTY

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

55-PP-ML000-013

PRELIMINARY



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

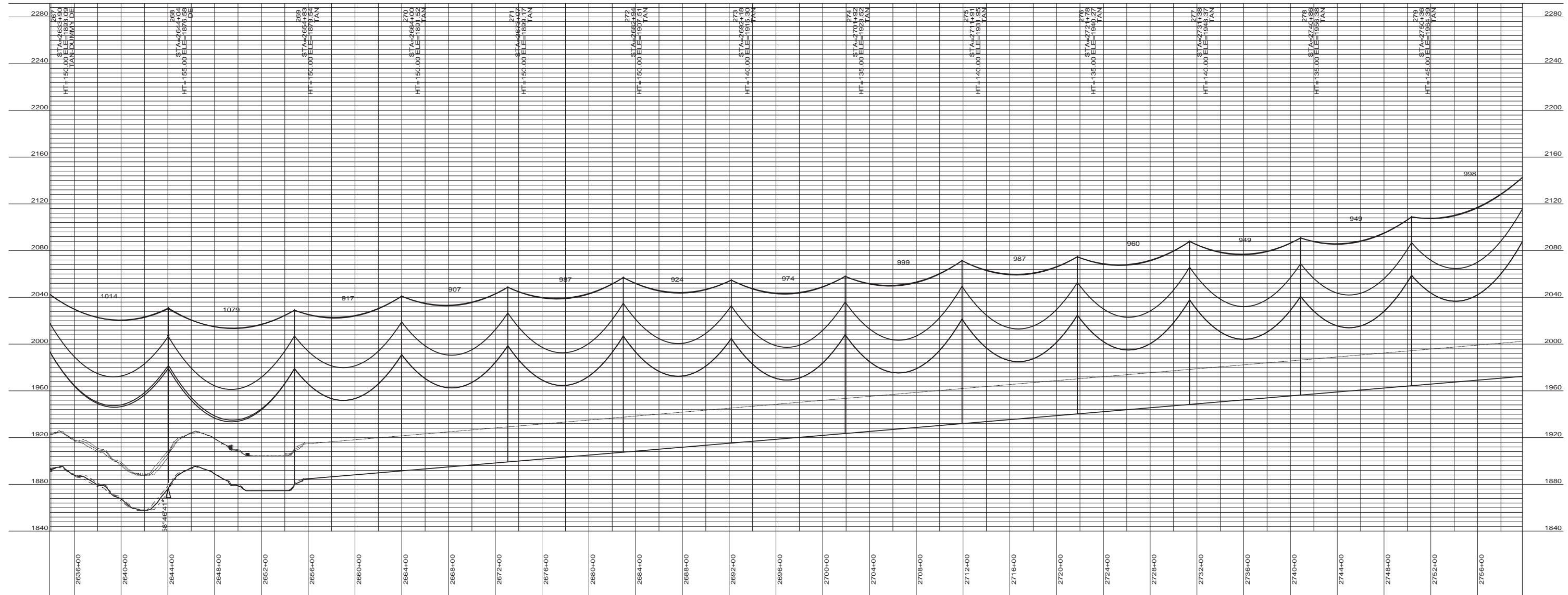
Stanley Consultants INC.
 8000 S. CHESTER STREET
 SUITE 500
 CENTENNIAL, CO 80112
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

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

Center to Grand Forks Project
Minnkota Power
 COOPERATIVE, INC.

MCLEAN COUNTY
 400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE
 55-PP-ML000-014

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



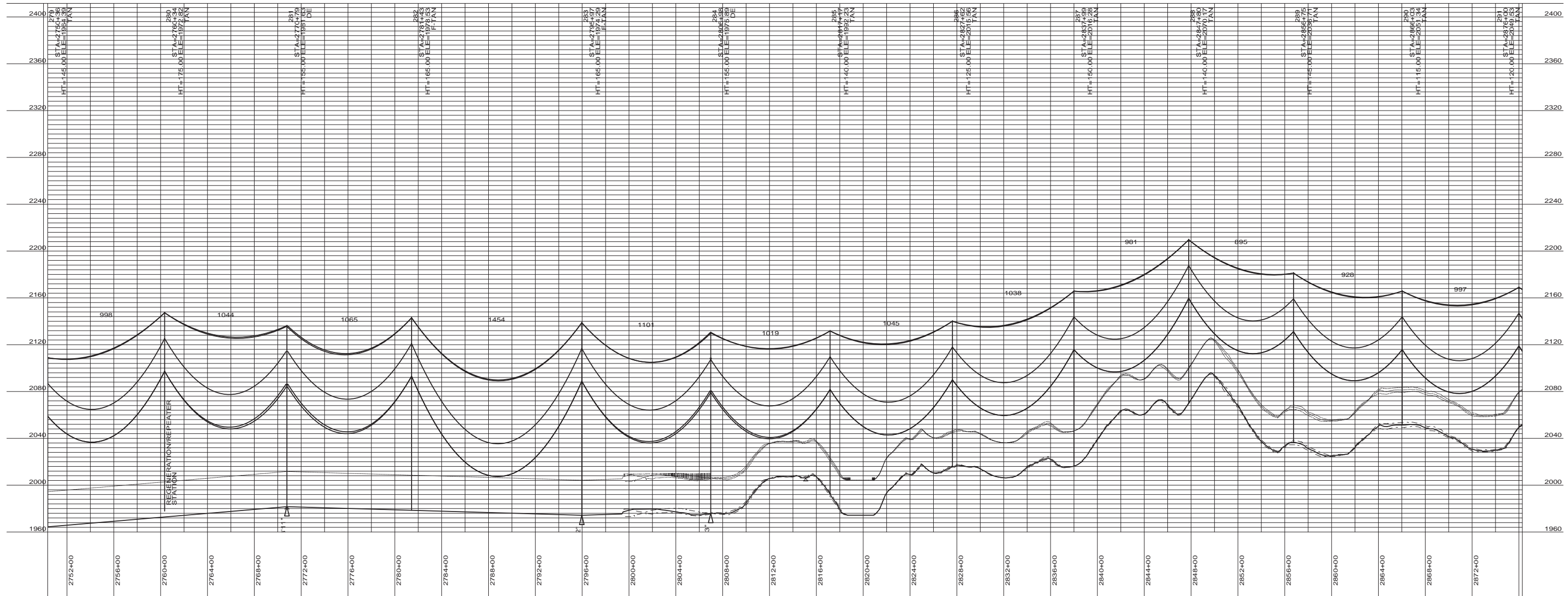
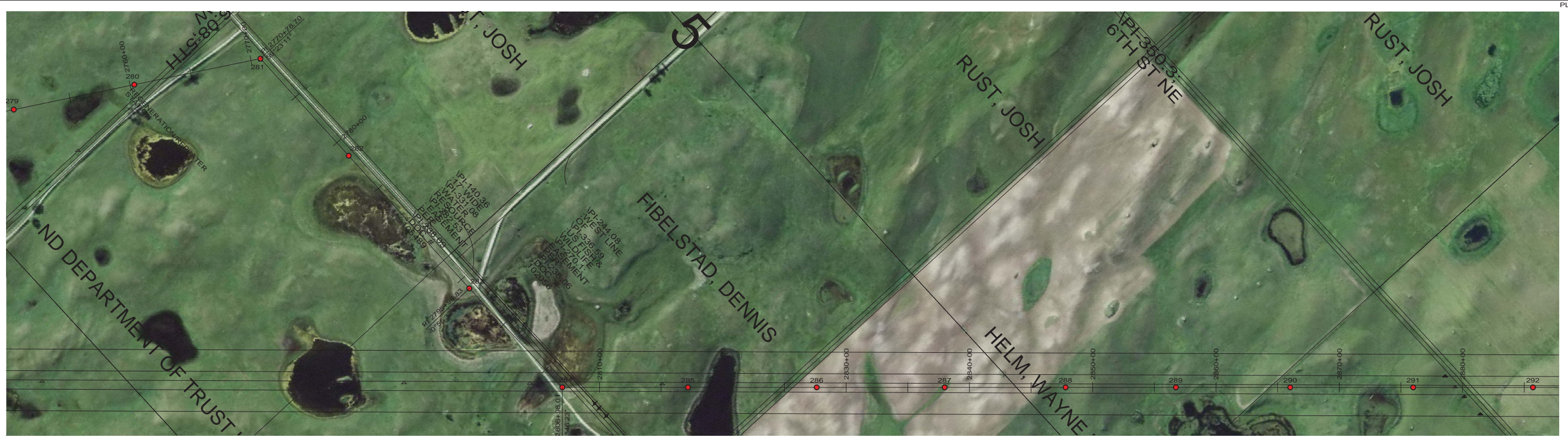
SHERIDAN COUNTY

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



55-PP-SH000-001

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

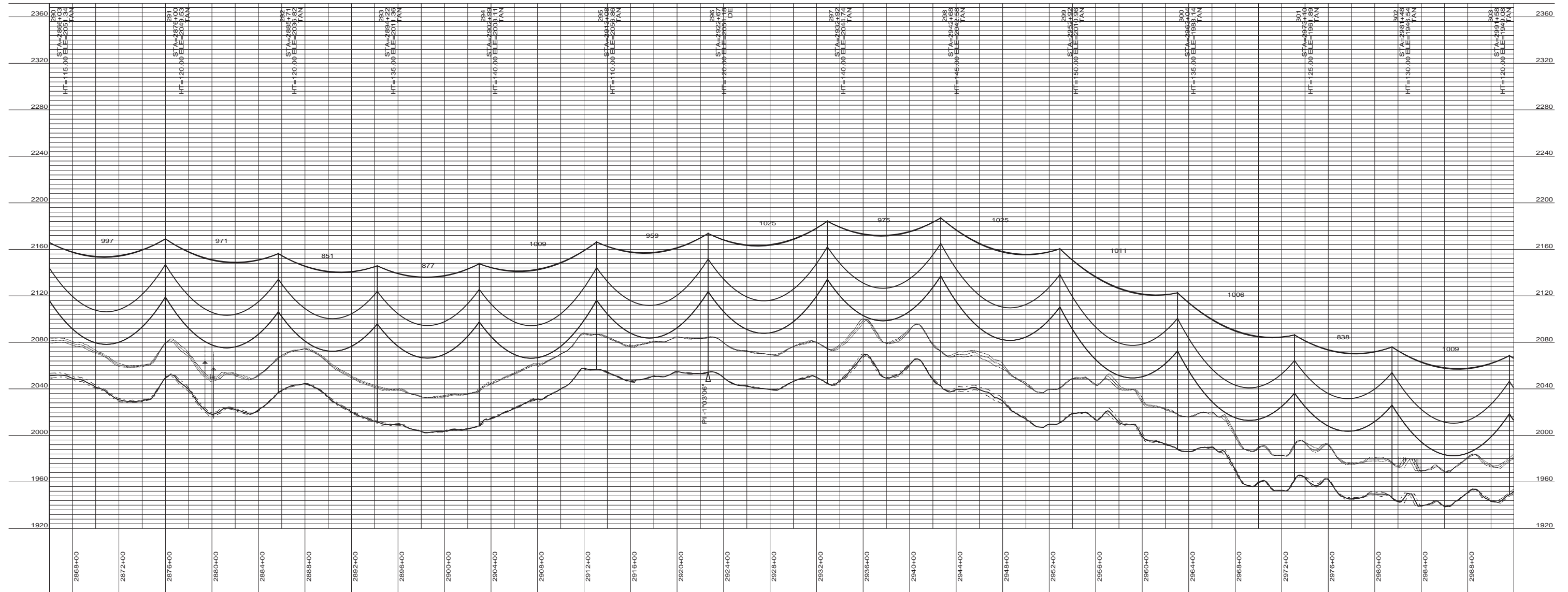
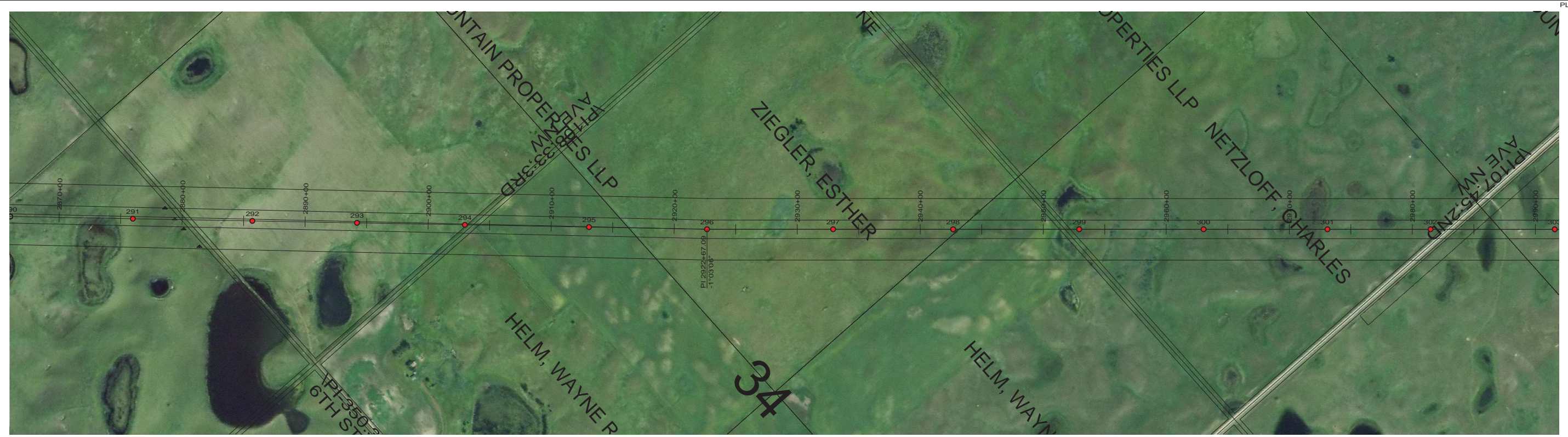
Minnkota Power
 COOPERATIVE, INC.

SHERIDAN COUNTY

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

55-PP-SH000-002

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



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



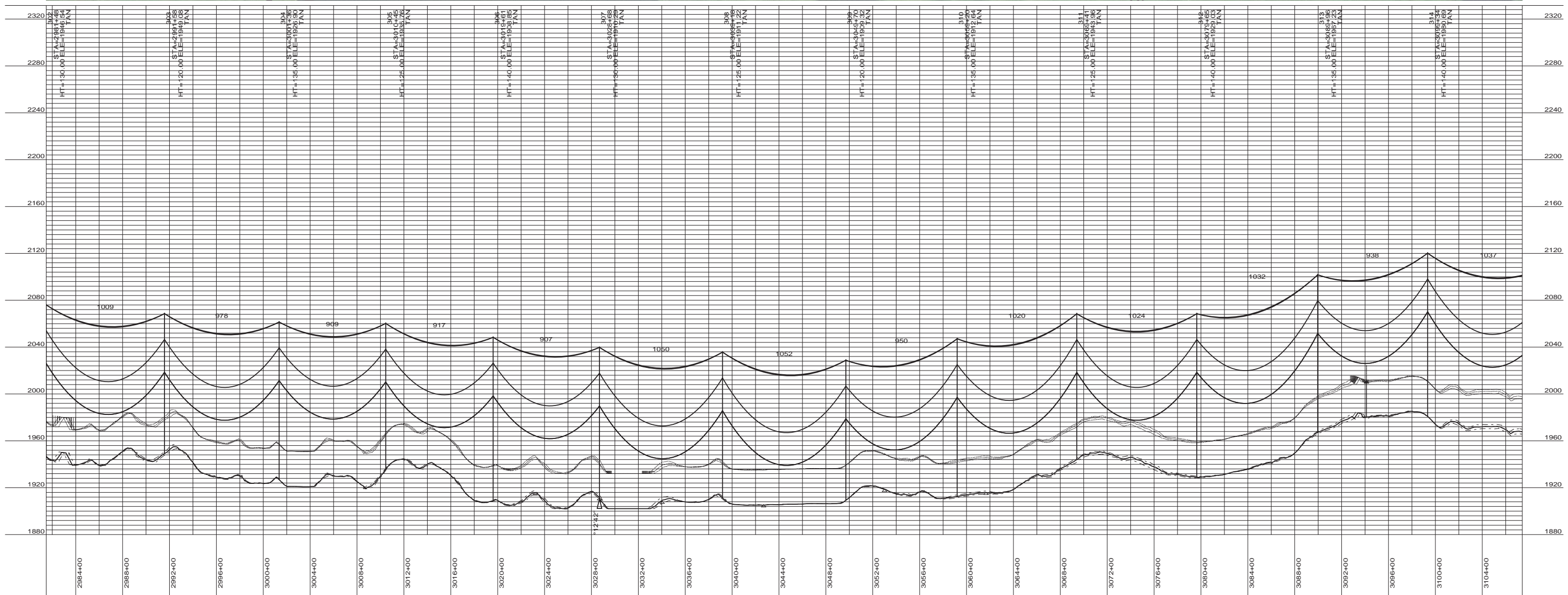
SHERIDAN COUNTY

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



55-PP-SH000-003

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

Center to Grand Forks Project

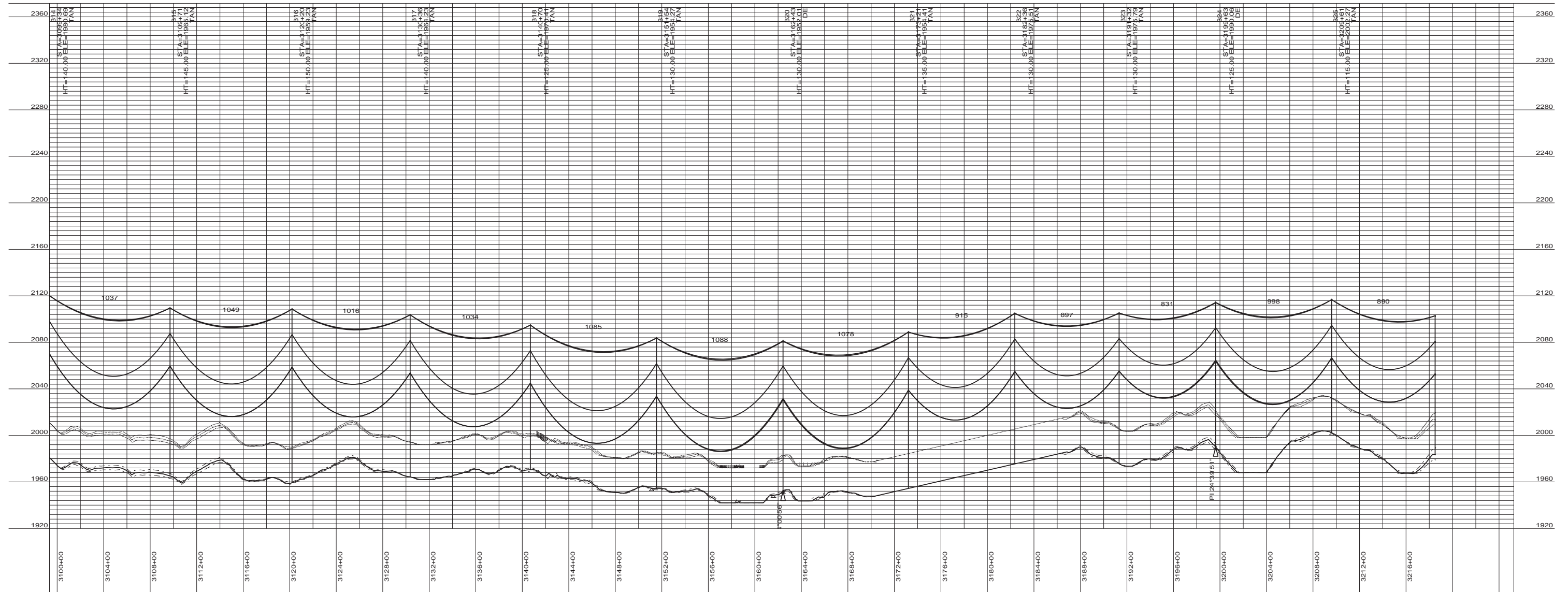
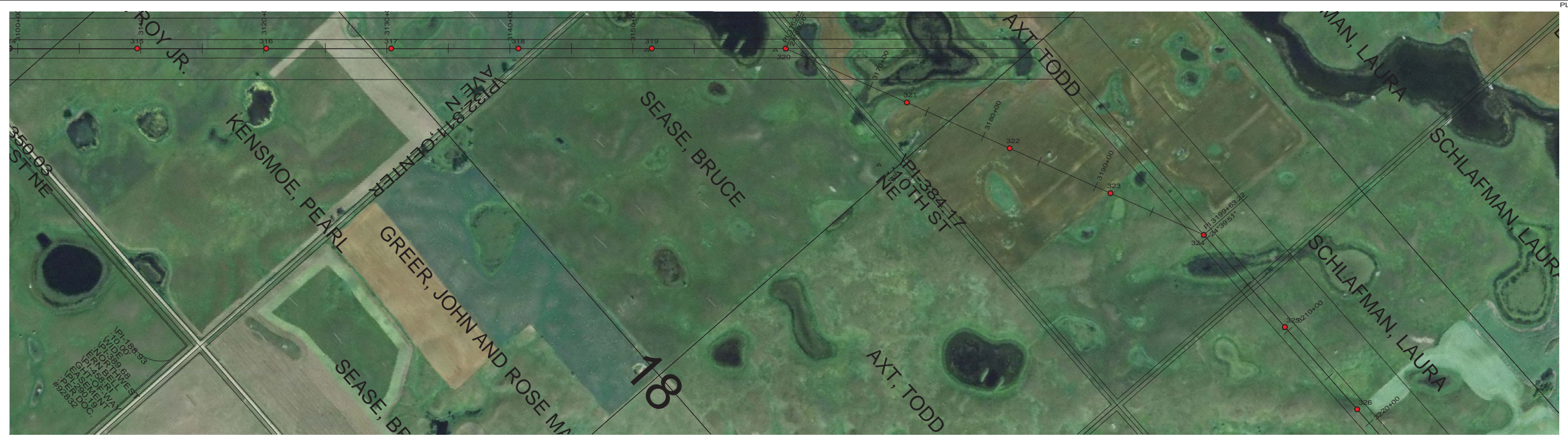
COOPERATIVE, INC.

SHERIDAN COUNTY

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

55-PP-SH000-004

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

Stanley Consultants INC.
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 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED _____
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Center to Grand Forks Project

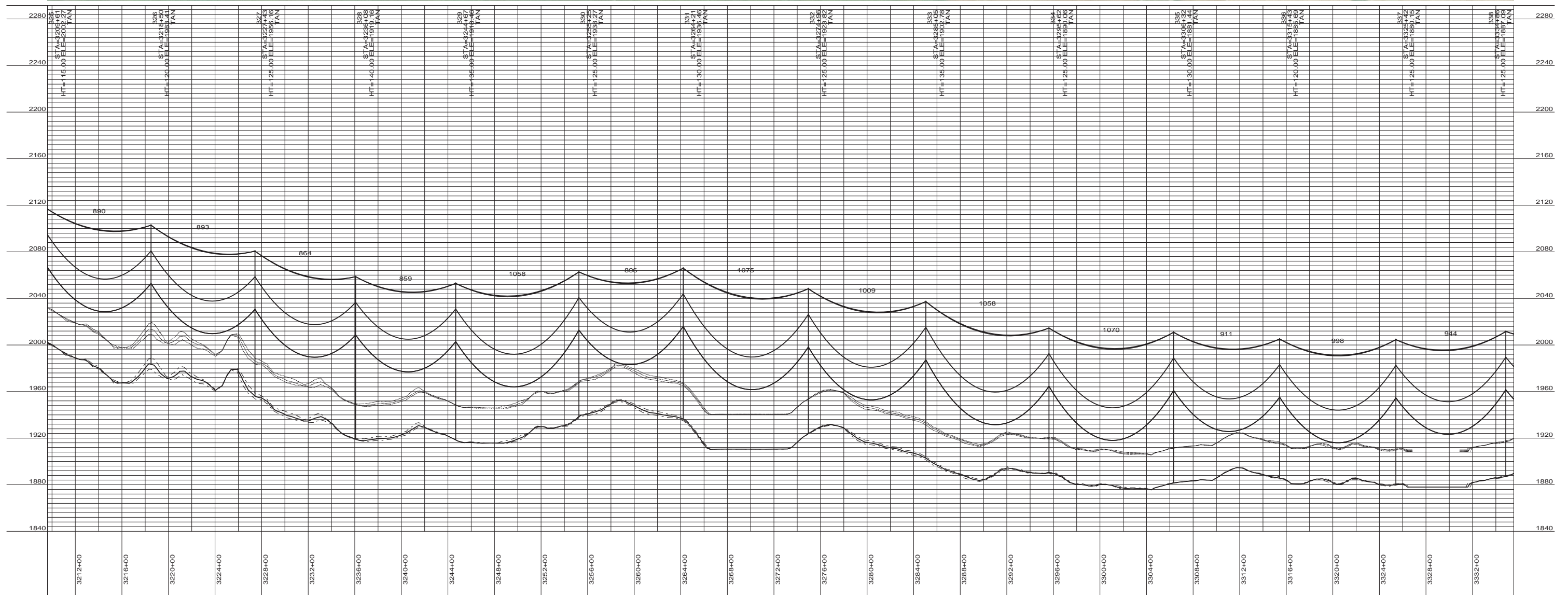
Minnkota Power
 COOPERATIVE, INC.

SHERIDAN COUNTY

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

55-PP-SH000-005

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



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 CONSTRUCTION SERVICES - WORLDWIDE

8000 S. CHESTER STREET
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 CENTENNIAL, CO 80112

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


Center to Grand Forks Project



Minnkota Power
 COOPERATIVE, INC.

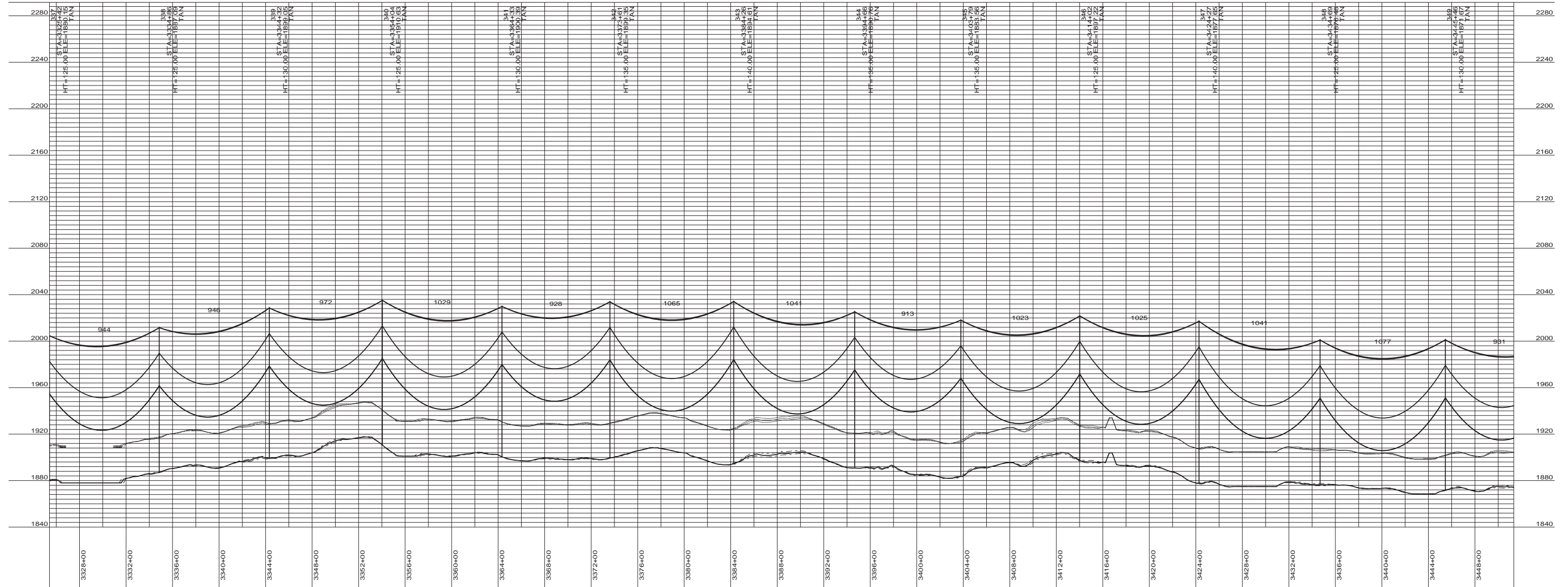
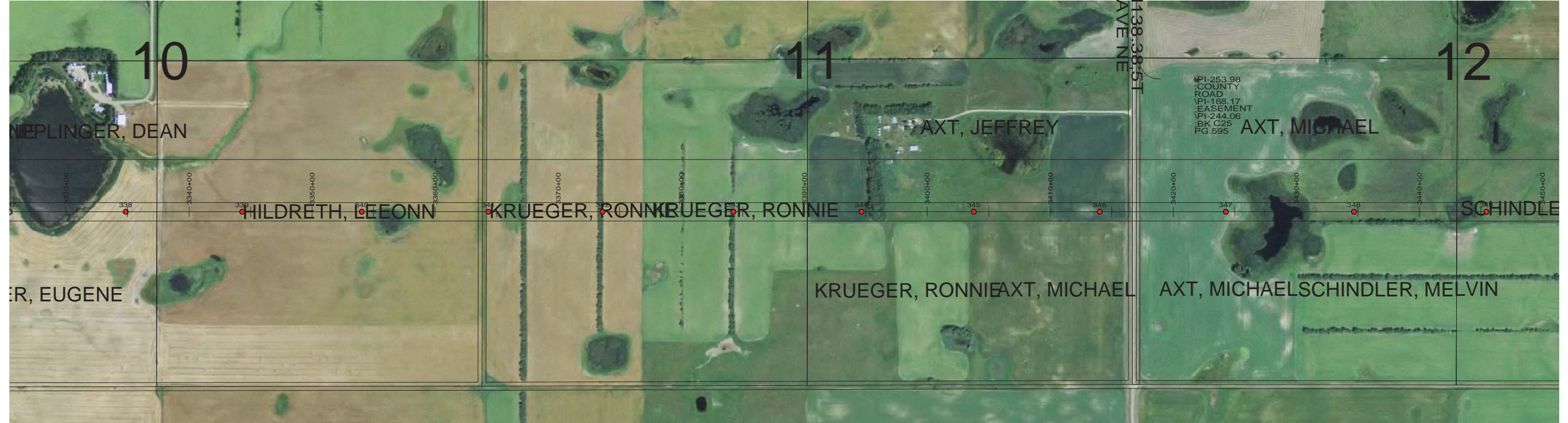
SHERIDAN COUNTY

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



55-PP-SH000-006

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



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Center to Grand Forks Project



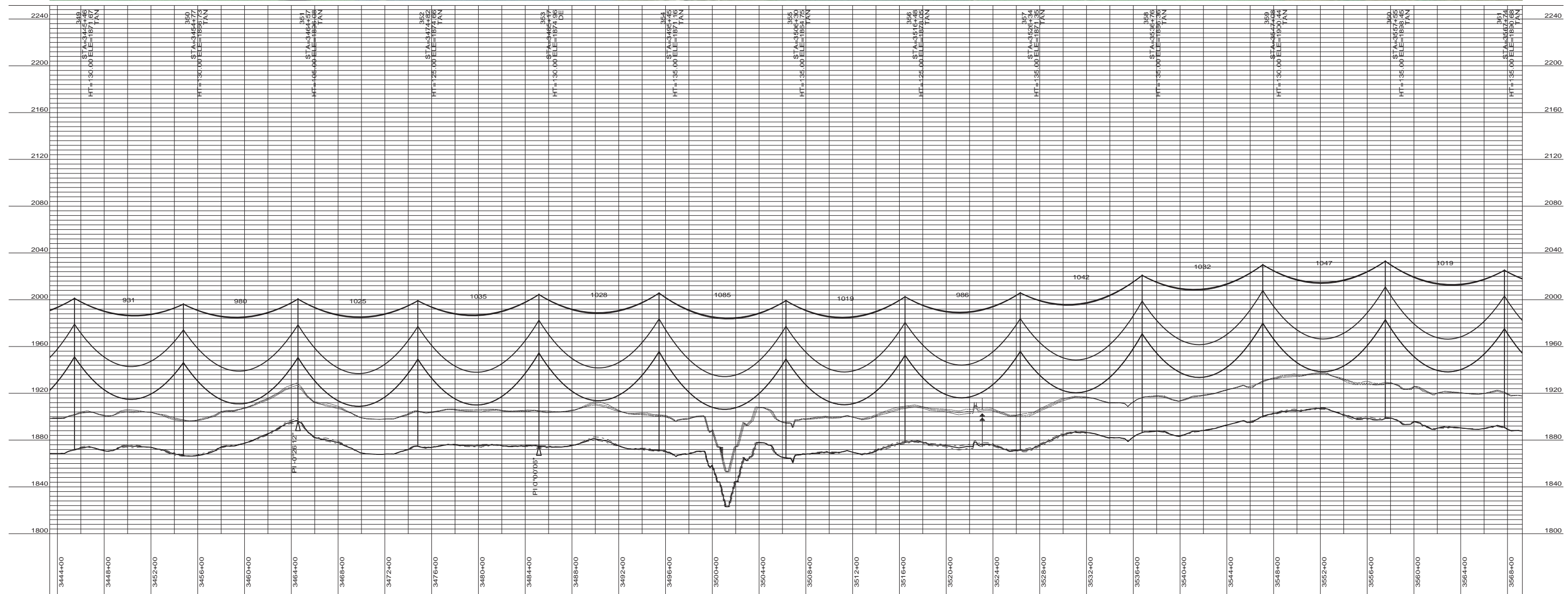
SHERIDAN COUNTY

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



55-PP-SH000-007

PRELIMINARY



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

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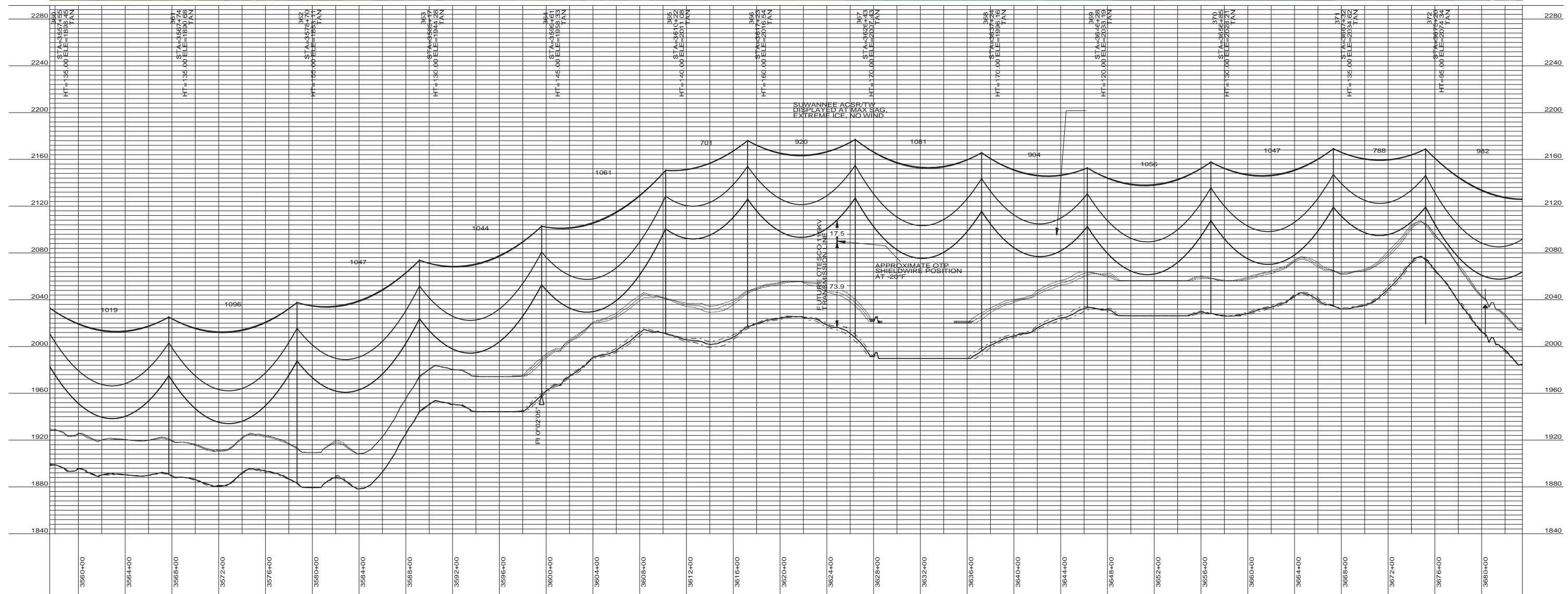
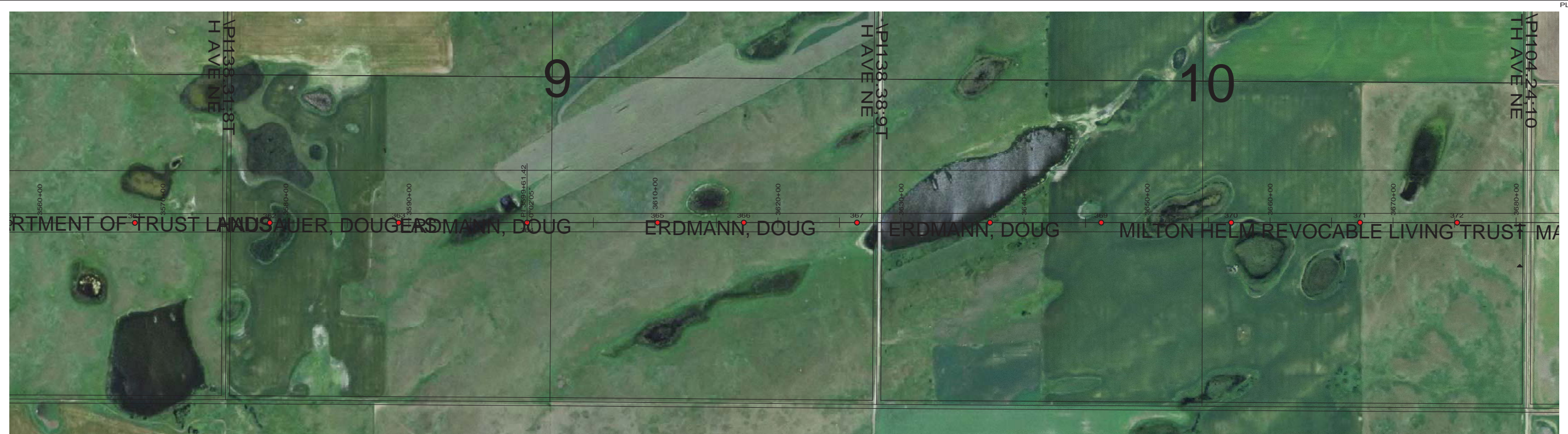
DESIGNED _____
 DRAWN _____
 CHECKED _____
 APPROVED _____
 DATE 11/14/2011

Center to Grand Forks Project
Minnkota Power
 COOPERATIVE, INC.

SHERIDAN COUNTY
 400.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE
 55-PP-SH000-008

REV	DATE	APP	DESCRIPTION	DFTR

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

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CENTENNIAL, CO 80112

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ENGINEERING, ENVIRONMENTAL AND
CONSTRUCTION SERVICES - WORLDWIDE

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DRAWN	XXXXX
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DATE	11/14/2011

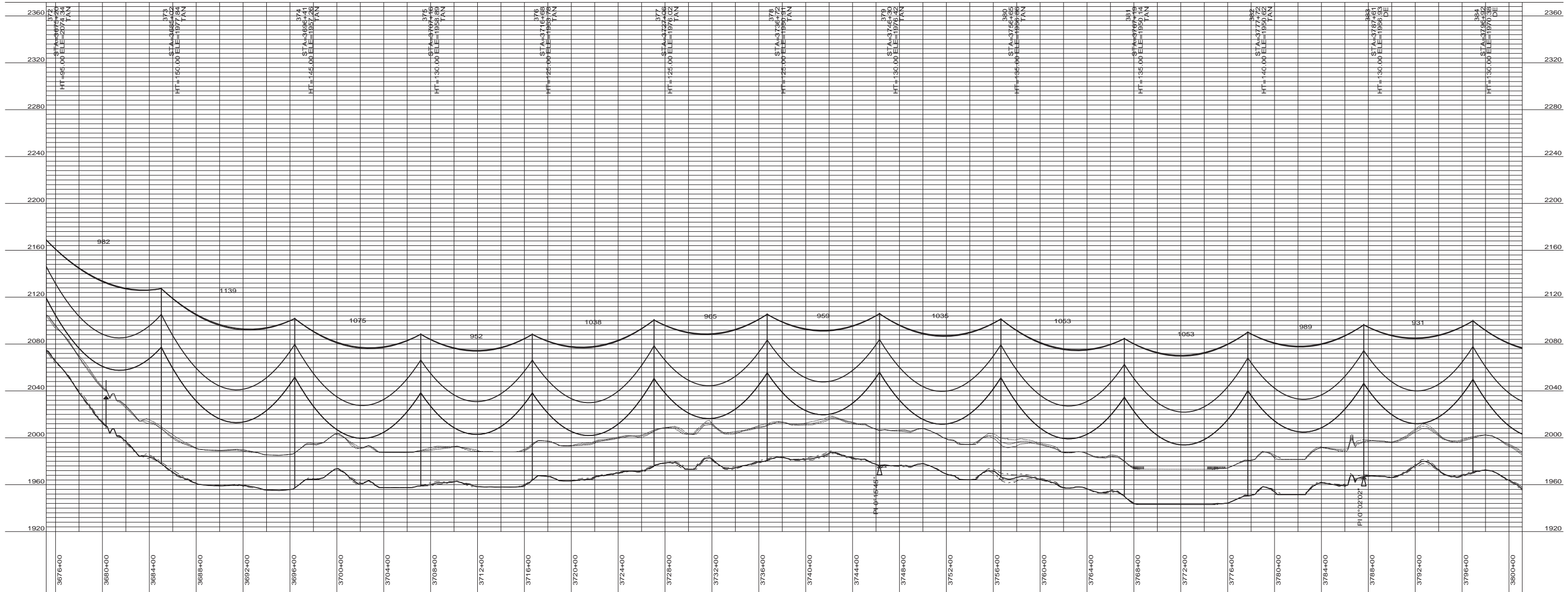
Center to Grand Forks Project

SHERIDAN COUNTY

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

55-PP-SH000-009

PRELIMINARY



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

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SHERIDAN COUNTY

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55-PP-SH000-010