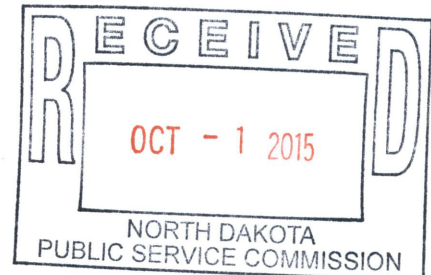




September 30, 2015

Via Hand-Delivery

Mr. Jerry Lien
Public Utility Analyst
Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480



RE: Post Construction Inspection, Case No. PU-08-048
Generation Outlet Transmission Line
Pillsbury to Fargo

Dear Mr. Lien:

In response to your letter to Robert McLennan of September 18, 2015, please accept this letter as a late response to your letter dated February 12, 2014. As you are aware, this project started out under the control and direction of another utility. Because of this, some of the requested documents were not fully in Minnkota's possession. Nevertheless, we believe that we have done our best to fully respond to your requests. If something is insufficient, we will continue to supplement this response as is further requested.

In response to each of your bullet points from your February 12, 2014, letter, please see below:

1. Installation of erosion control structures at the Pillsbury Substation entrance and monitoring until stabilized. (order points 13, 14 and 16)
 - A crew from Minnkota repaired the erosion identified in the Wenck Associates, Inc., post-construction report. The crew filled in the eroded area with black dirt to match surrounding elevations and then seeded the area with the recommended grass seed for the area. They then placed permanent turf reinforcement mats and straw wattles. Lastly, they installed a ScourStop Culvert Outlet erosion protection mat system.
 - Minnkota personnel visited the substation site in the summer of 2015 and grass was growing up through the permanent turf reinforcement mats and the mitigation efforts appeared to be working as intended.
2. Provision of the final hard copy, electronic copy and GIS file as-built drawings. (order point 20)
 - The as-built hard copy is included with this letter at Attachment 1.

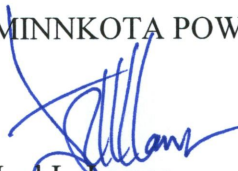
- An electronic copy of the as-built .pdf (file name “Structures 1-552”) and a file that can be imported to ESRI GIS mapping software (file name “pole_as_built”) is on the included thumb drive.
3. Written explanation of how bird deterrent placement was determined along the route, specifically in relation to high avian use areas and proximity to wetlands. (order points 8 and 9)
- Stanley Consultants was engaged for assistance with avian protection efforts on the Pillsbury to Fargo line. Stanley provided its recommendation that Minnkota install bird flight diverters to make lines more visible in the migratory areas. This amounted to 11.5 miles of the transmission line. To determine the migratory areas, Stanley and Minnkota used input from the North Dakota office of the United States Fish and Wildlife Service, which resulted in the installation of bird diverters in areas with a significant wetland population (having more than two wetlands within a 2-square-mile section adjacent to the line) and in areas where the wetlands were more stagnant and not subject to freely flowing currents.
 - Using this criteria, Minnkota installed bird diverters on approximately 3 miles of line from structures 12–40; and approximately 2 miles of line from structures 45–61; and on approximately 4 miles of line from structures 102–148; and approximately 2 miles of line from structures 199–208. On this roughly 11.5 miles of line, Minnkota placed approximately 1,700 bird diverters.
4. Compliance with NESC. (order point 8)
- Minnkota worked with Stanley Consultants and the project was constructed in compliance with the National Electric Safety Code.
5. Waivers from all residents within 500 feet. (order point 6)
- Waivers were obtained from 10 landowners who were within 500 feet of the transmission line.
 - Copies of all waivers are included with this letter at Attachment 2.
6. Permits/Approvals from other agencies. (order point 6)
- Many permits/approvals from other agencies have already been provided for this project. After doing further research, Minnkota has been able to locate three additional permits, which we cannot verify if they have previously been submitted to the Commission. The three documents are included with this letter at Attachment 3. They are the Rush River Township variance for pole setback; the Rich Township variance for pole setback; and the Reed Township building permit.
7. Construction according to application and safety requirements. (order point 8)
- Minnkota constructed and completed the project according to the application and all relevant safety requirements.

8. Reports of presence of threatened, endangered species or bald or golden eagles, if applicable (order point 8)
 - In the application for the route permit, the initial concerns were listed. In preparation of this response, several phone calls and emails were exchanged with the project's consultants and engineers, and it was confirmed that no other threatened, endangered species or bald or golden eagles were encountered during construction.
9. Reports of cultural, archeological, historical resources found, if applicable. (order point 9)
 - The application for the route permit addressed the initial concerns. We learned through phone calls and emails with the project's engineers that no additional concerns were found during construction.
10. Mitigation of television and radio interference. (order point 17)
 - In the application for the route permit, it was anticipated that there would be no impacts to radio, television or other communication or electronic control facilities, due to the location of the line and the different frequencies of the signals. During and after construction, no impacts were found to have occurred and no mitigation was deemed necessary.
11. Aeronautics Commission request: search of private airports, FAA consultation completed under Form 7460 (receipt of study results needed). (order points 6 and 8)
 - Minnkota made contact with the FAA and was informed that no Form 7460 was needed for this project. However, it appears there was an unused/abandoned airfield near the area of the transmission line. Minnkota has a copy of Form 7480 (Attachment 4) showing a deactivation of an airfield named "Turner Field," near Arthur, N.D. The accompanying paperwork shows an estimate for the work to reclaim, and we were able to confirm that the airfield has been reclaimed.
12. Compensation for landowners for crops and impacts to CRP status. (order points 6 and 8)
 - All impacted landowners have been paid for crop damage and for damage to CRP. Minnkota worked with each impacted landowner to come to an agreeable amount of compensation for the damage caused during construction. There have been no further issues with the compensation for crop/CRP damage since the completion of the project. We have a spreadsheet containing all details of the transactions, and it can be redacted and made available if it is desired.

We hope this is helpful to answer all of the remaining questions from the post-construction report of the Pillsbury to Fargo transmission line project. If you should require anything further or if more detail is desired, please let us know and we will promptly provide the information. Thank you for your time and attention to this matter.

Respectfully submitted,

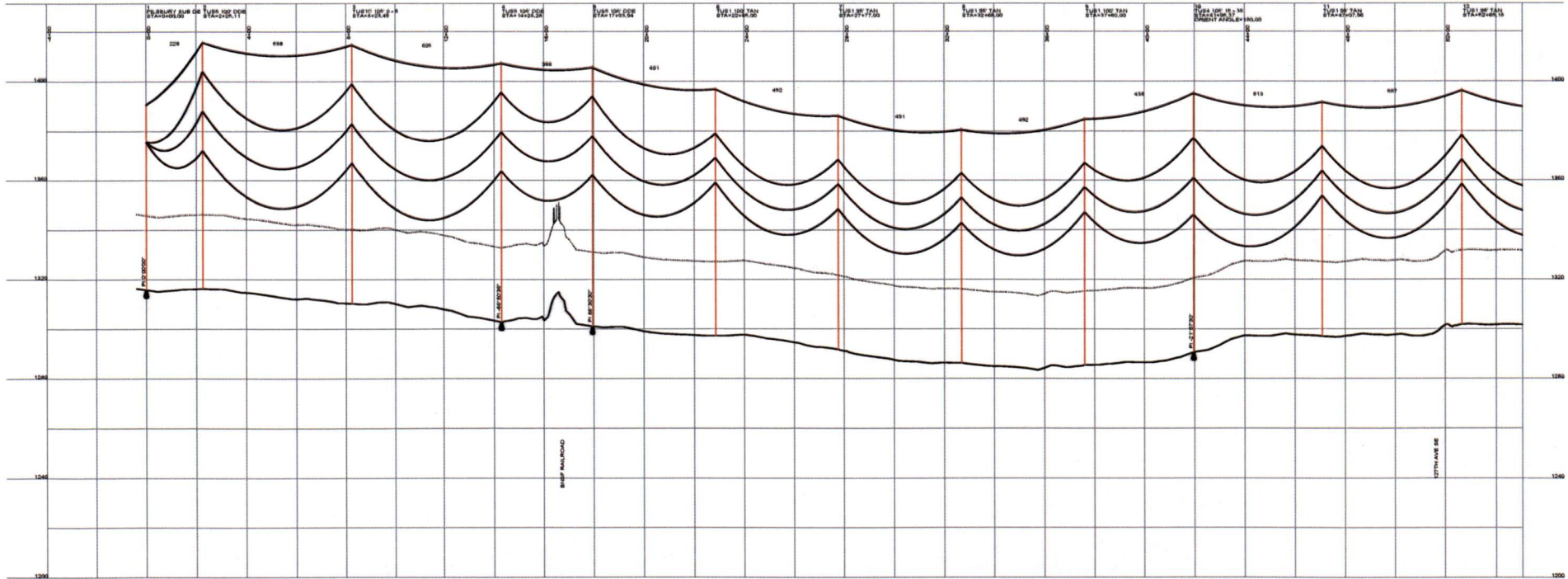
MINNKOTA POWER COOPERATIVE, INC.



Joel L. Larson
Staff Attorney

Attachments

cc: Robert McLennan, President & CEO



DESIGN CONDITIONS
 0.45% CROW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE L/H: 30'

1272 ACSR 45/7 "BITTERY"

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	



9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

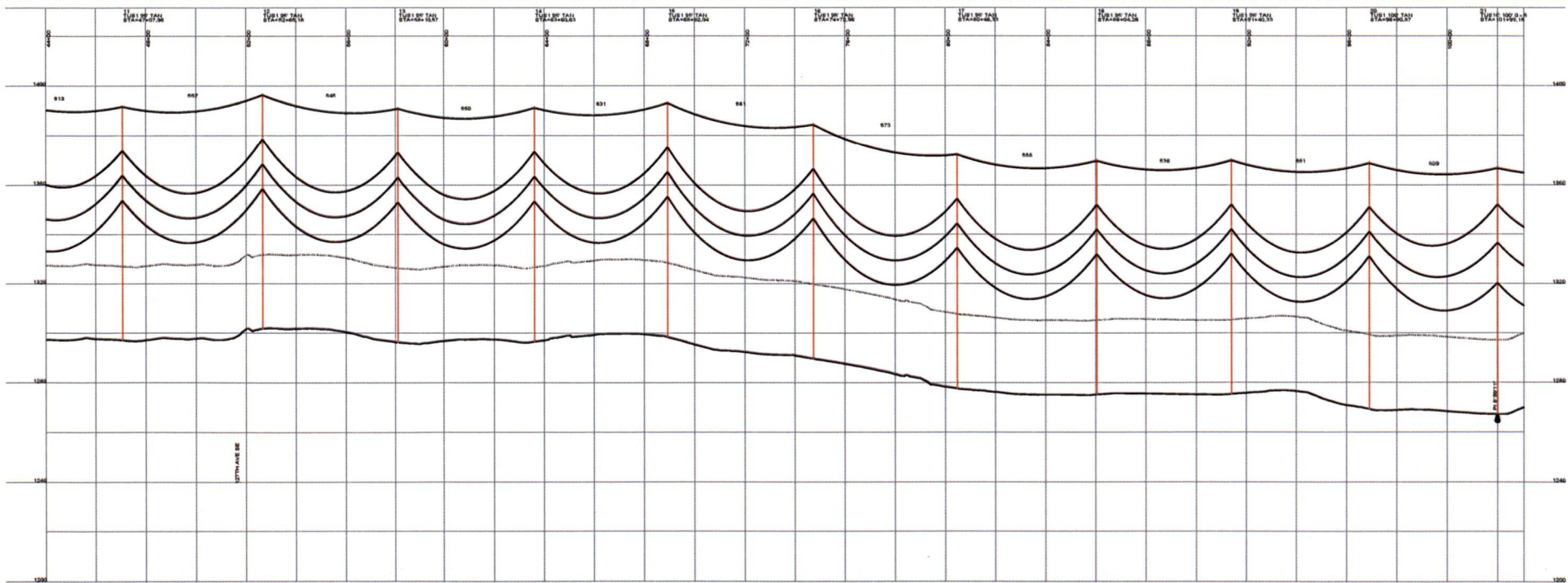
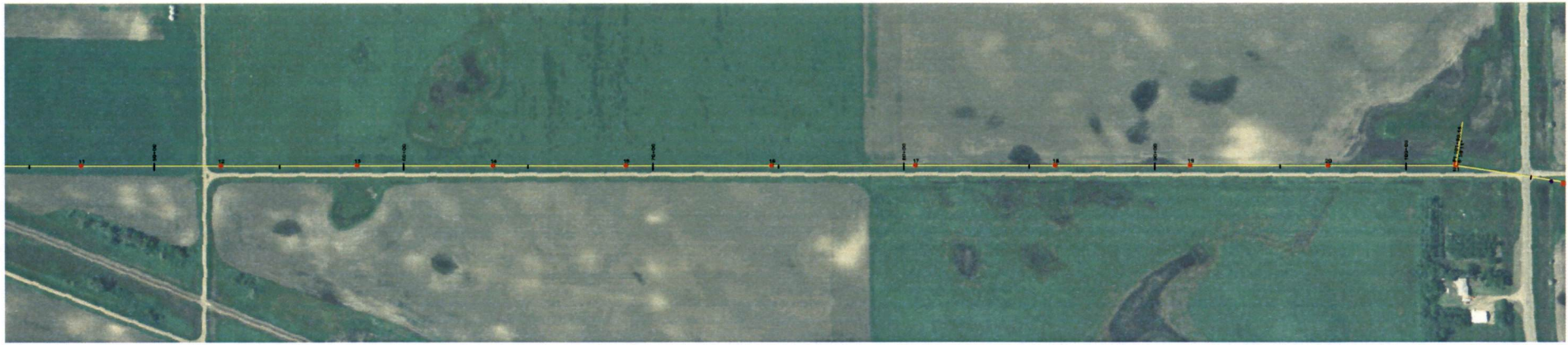
A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 80.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 1 OF 73



DESIGN CONDITIONS:
 0.45% CROWN, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'



Stanley Consultants Inc.

9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

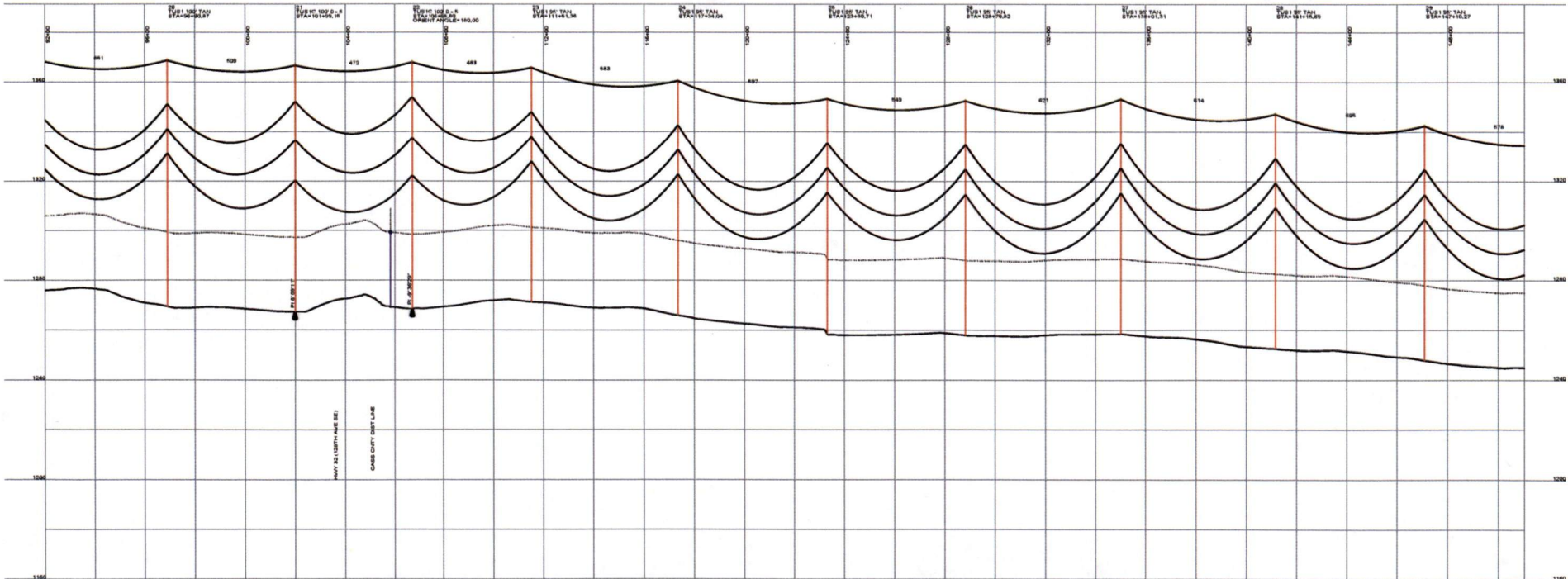
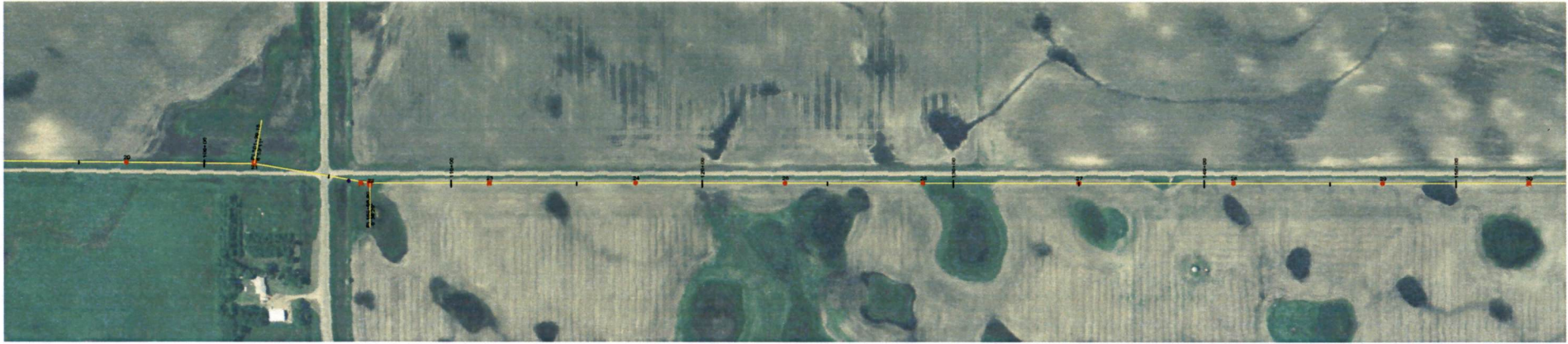
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. SURGEMEYER
 DATE 06/08/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 50.0 FT. HORIZ. SCALE
 1" = 5.0 FT. VERT. SCALE

WIND GENERATION TIE 2 OF 73



DESIGN CONDITIONS:
 0.465" O.P.O.W., 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1273 ACBR 45/7 "BITTERN"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DPTH
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION	TMP

Stanley Consultants Inc.

9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

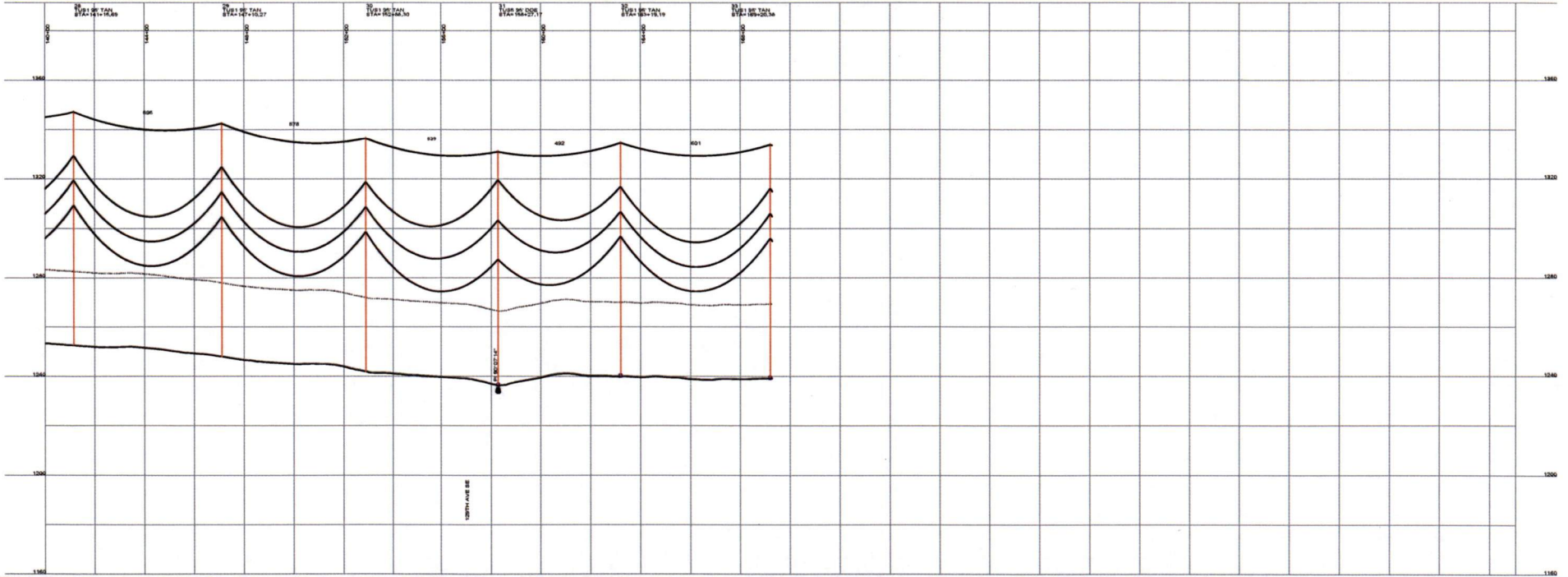
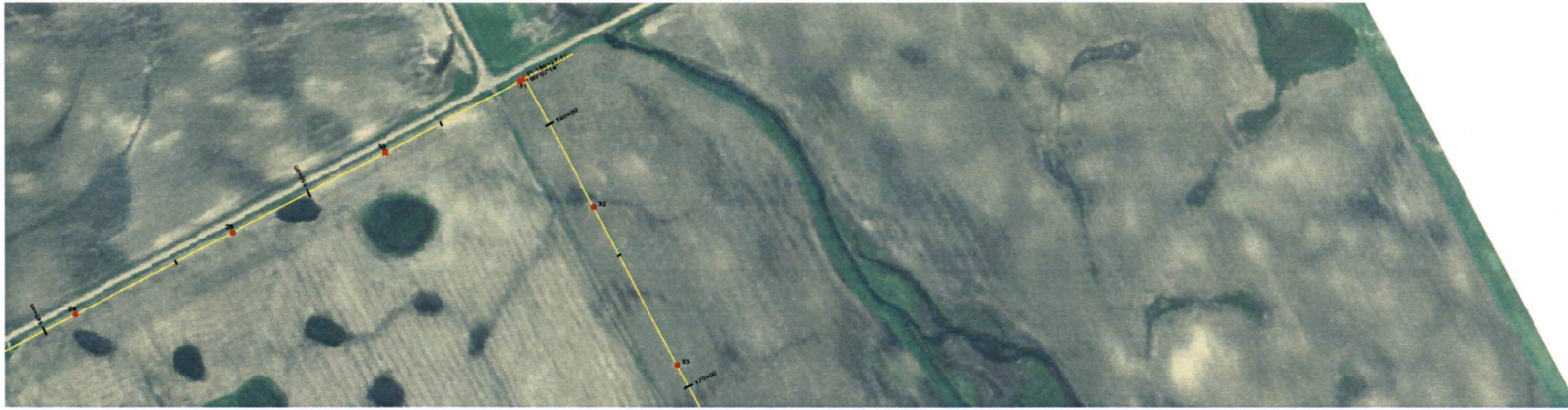
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 CONSTRUCTION SERVICES - WORLDWIDE

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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

600.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE 3 OF 73



DESIGN CONDITIONS:
 0.465" OPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL CLEARANCE LINE: 30'

1272 AC/SR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

Stanley Consultants INC.

9200 E. MINERAL AVE.
 SUITE 400
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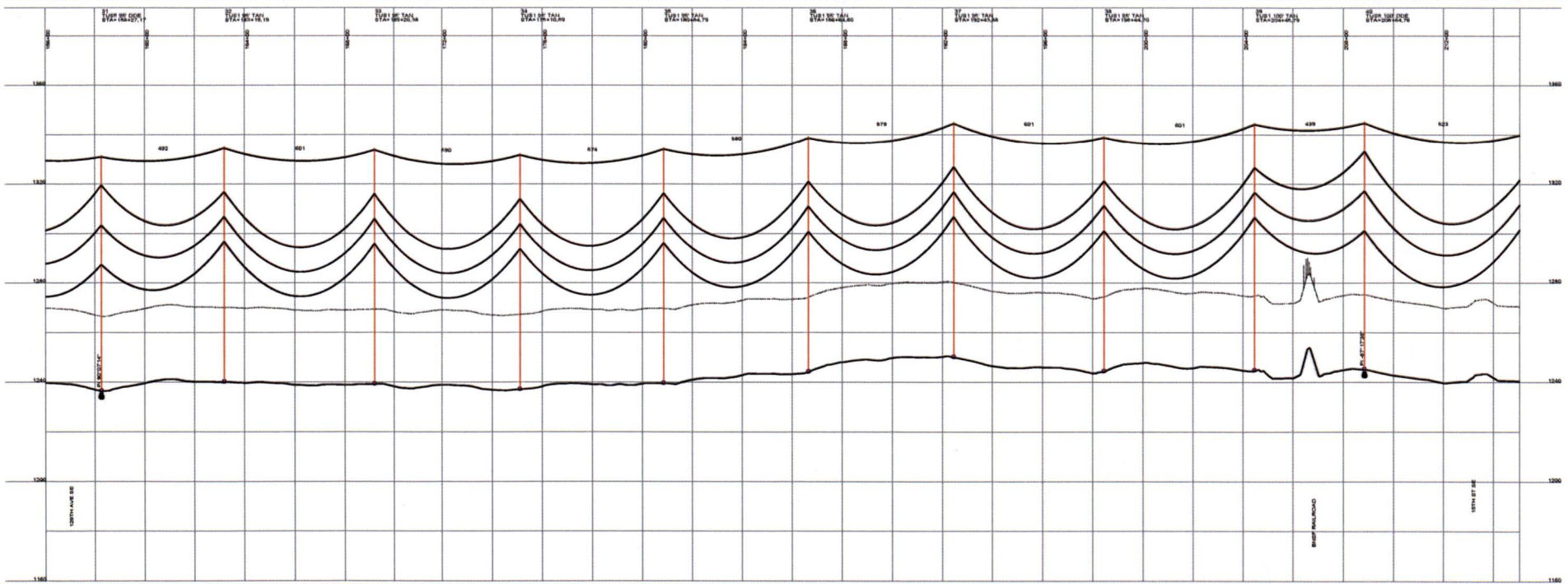
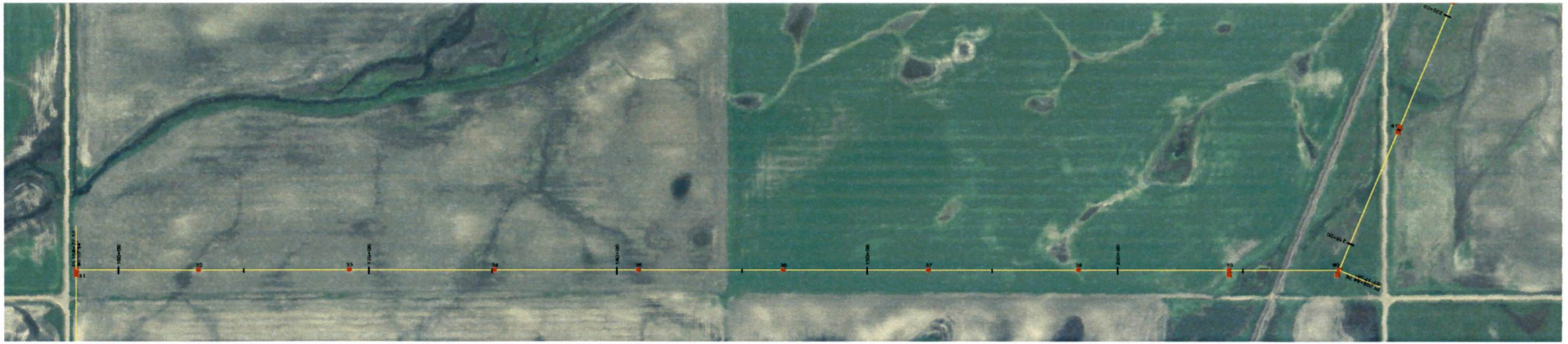
A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

100.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE **4 OF 73**



DESIGN CONDITIONS:
 0.45% CROWN, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TWP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

Stanley Consultants inc.

9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

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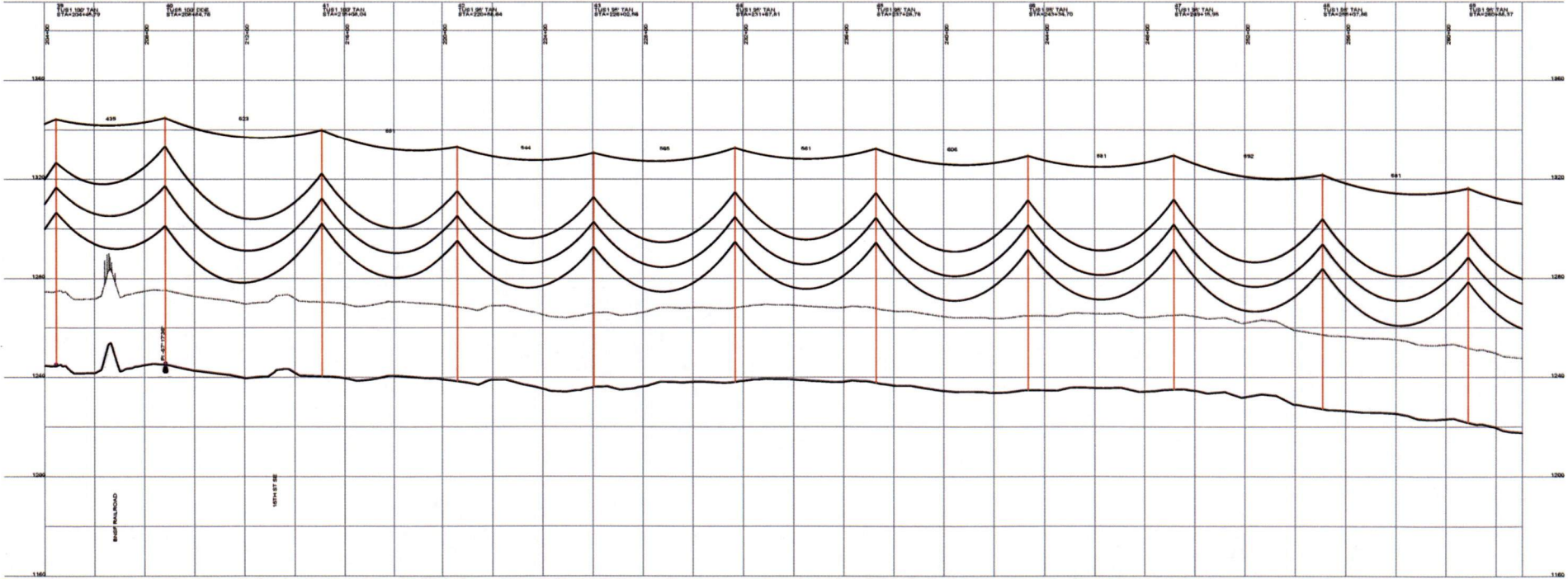
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 5 OF 73

400.0 FT. HORIZ. SCALE
 20.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS
 0.46% CROW, 2.4 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LPIE: 30'

1272 ACBR 45/7 "BITTERN"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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 SUITE 400
 ENGLEWOOD, CO 80112

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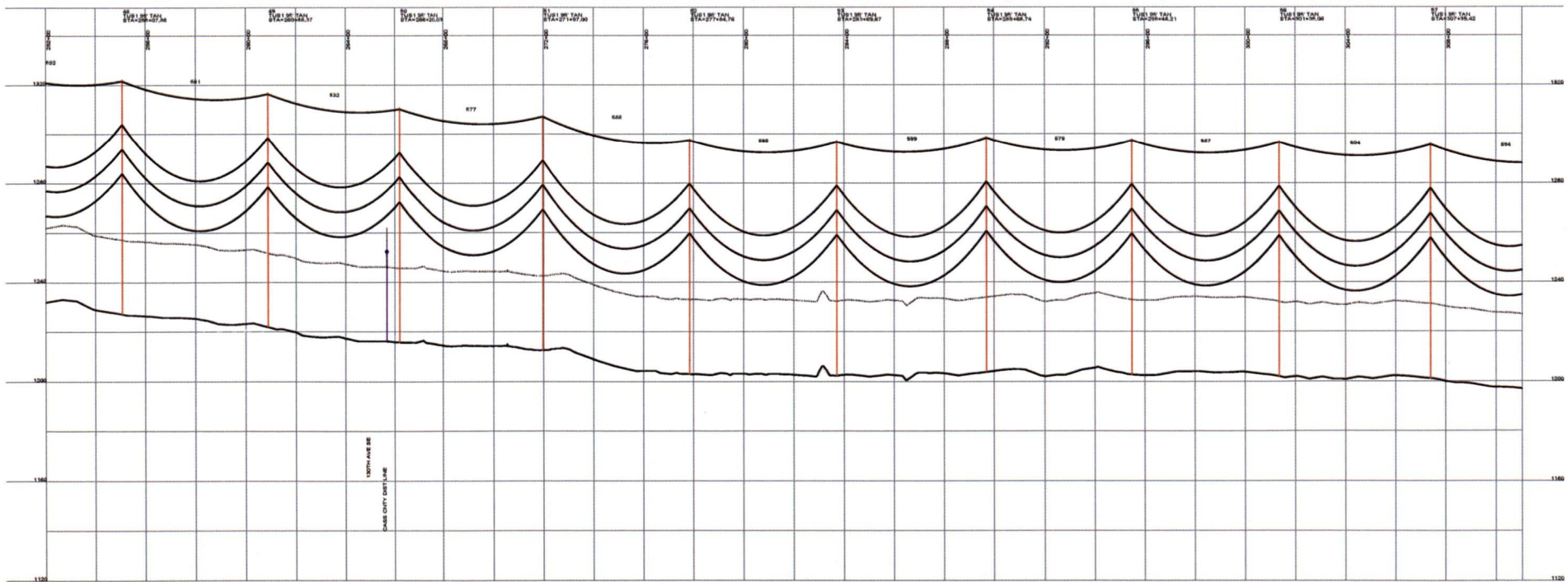
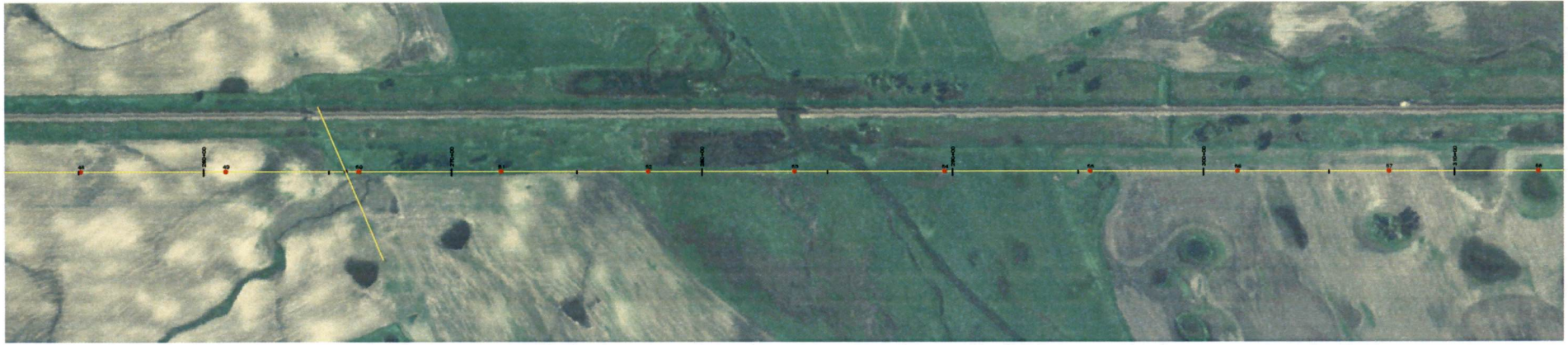
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 6 OF 73

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

North



DESIGN CONDITIONS
 0.465" GPMW, 2.4 FIBER
 20% RTS @ -25 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERR"

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMF

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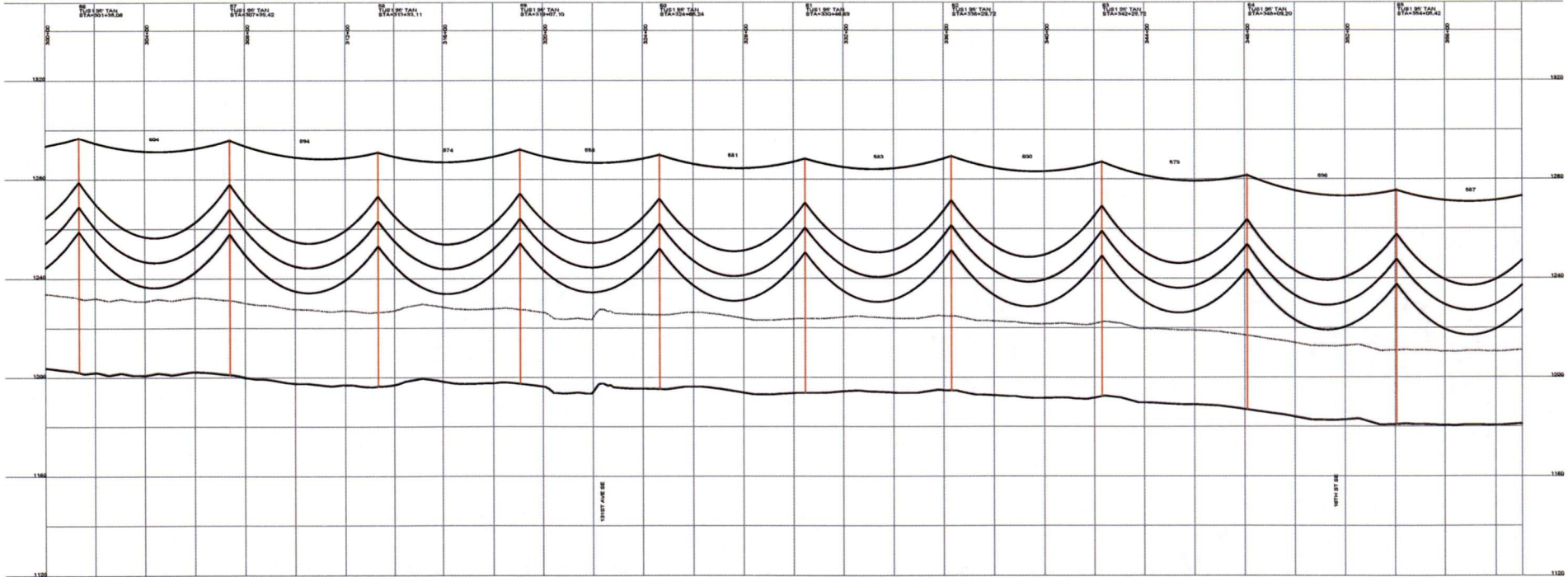
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

WIND GENERATION TIE 7 OF 73



DESIGN CONDITIONS
 0.465' CROWN, 2.4' FIBER
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

1272 ACSR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	DTN
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMP



9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

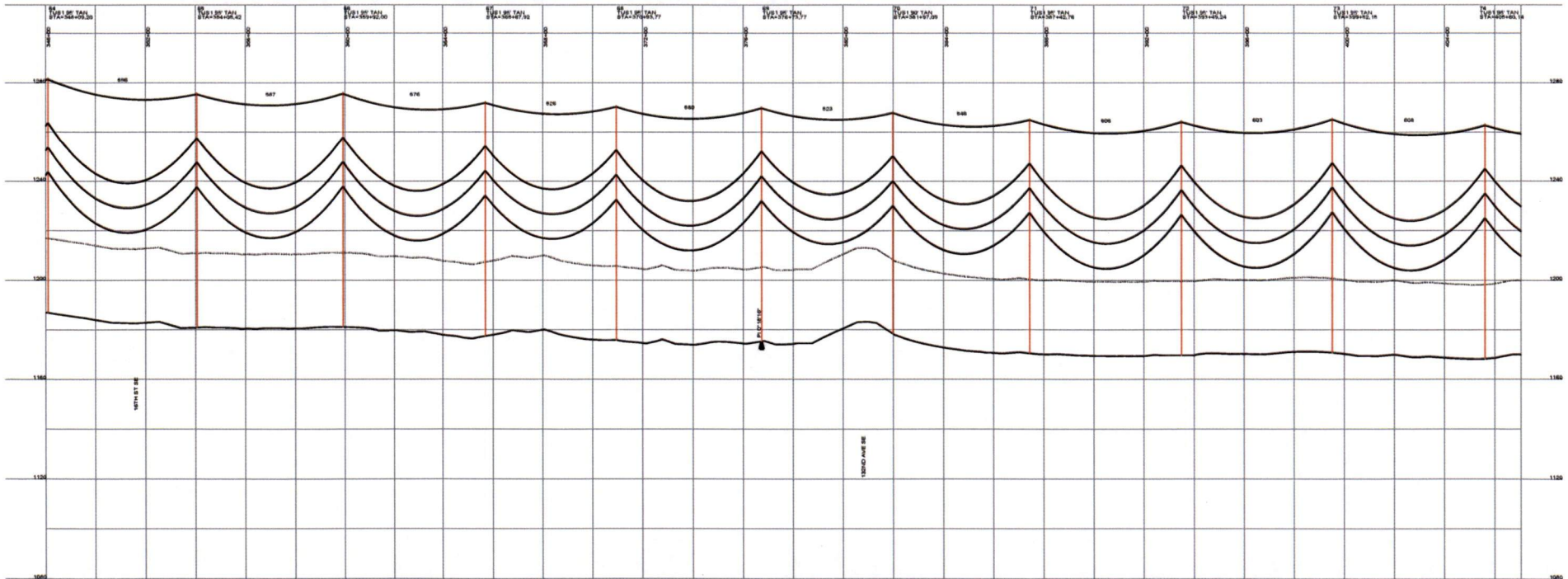
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 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLBOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 800.0 FT. HORIZ. SCALE
 1" = 10.0 FT. VERT. SCALE

WIND GENERATION TIE 8 OF 73



DESIGN CONDITIONS
 0.465" QPGW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		

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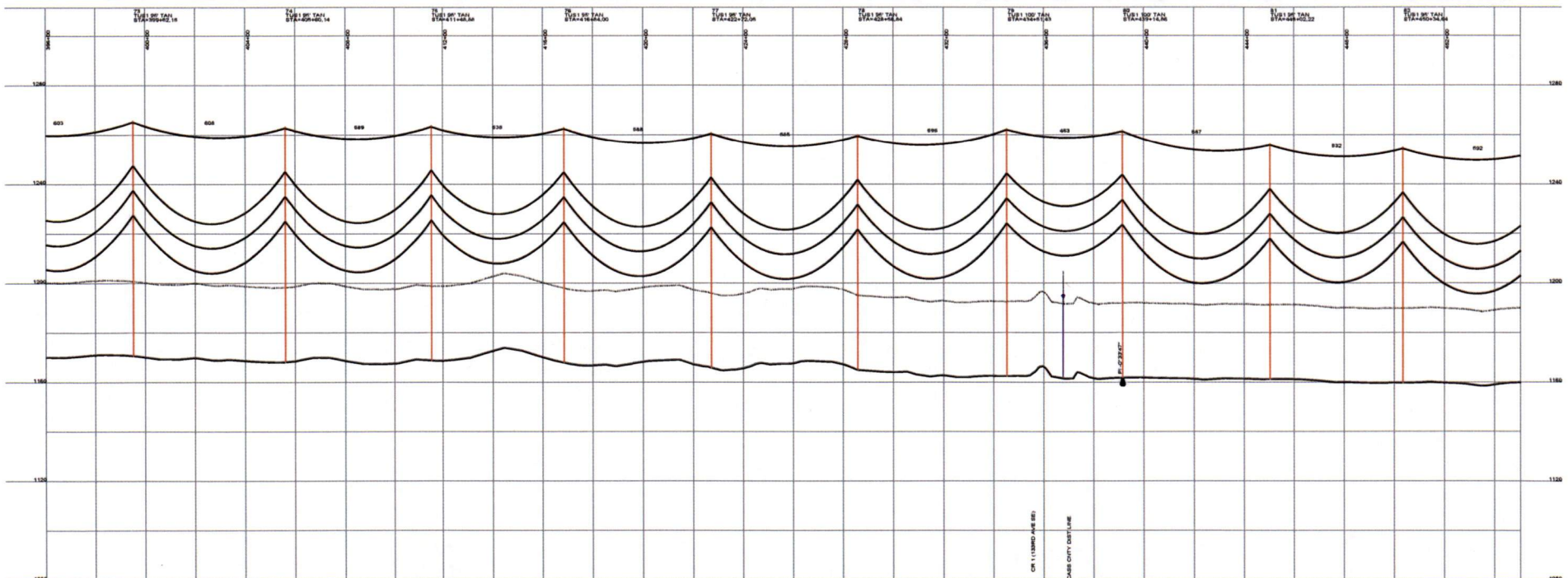
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

600.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE 9 OF 73



DESIGN CONDITIONS:
 0.45% CROWN, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE L1/E: 30'

1272 AC/SR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DPTH
0	06/05/08	MF	ISSUED FOR CONSTRUCTION	TMP

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 CONSTRUCTION SERVICES - WORLDWIDE

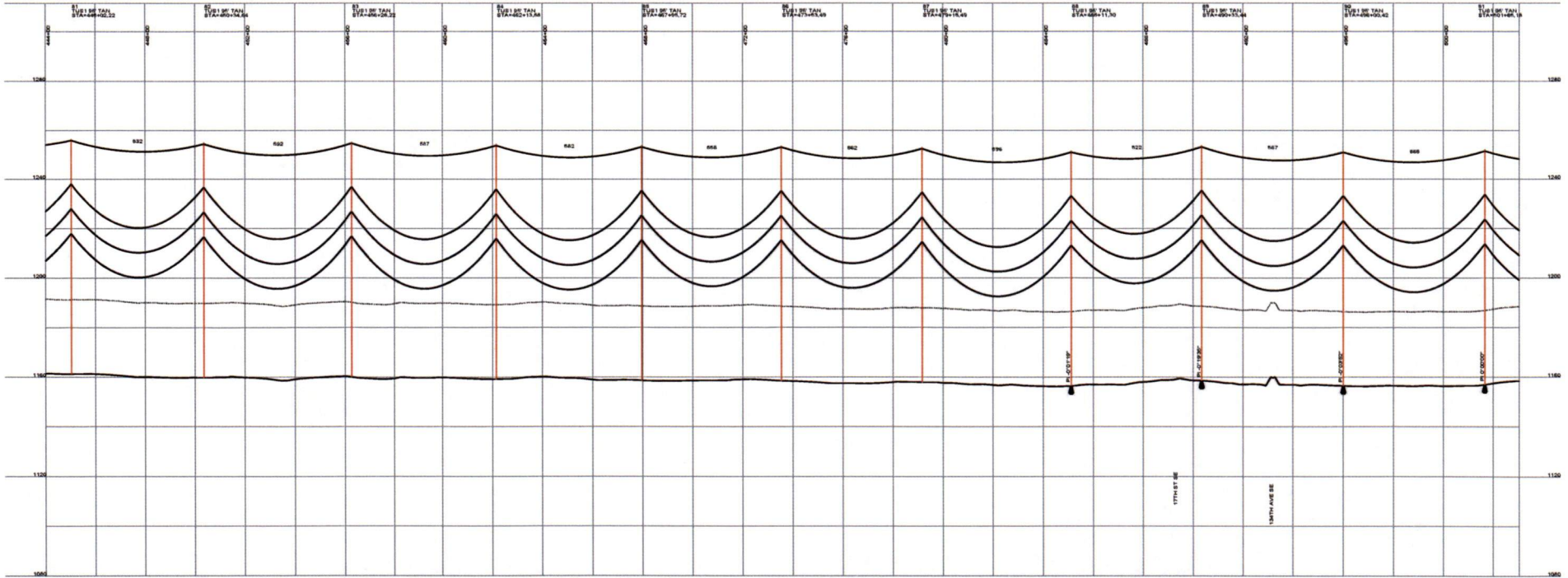
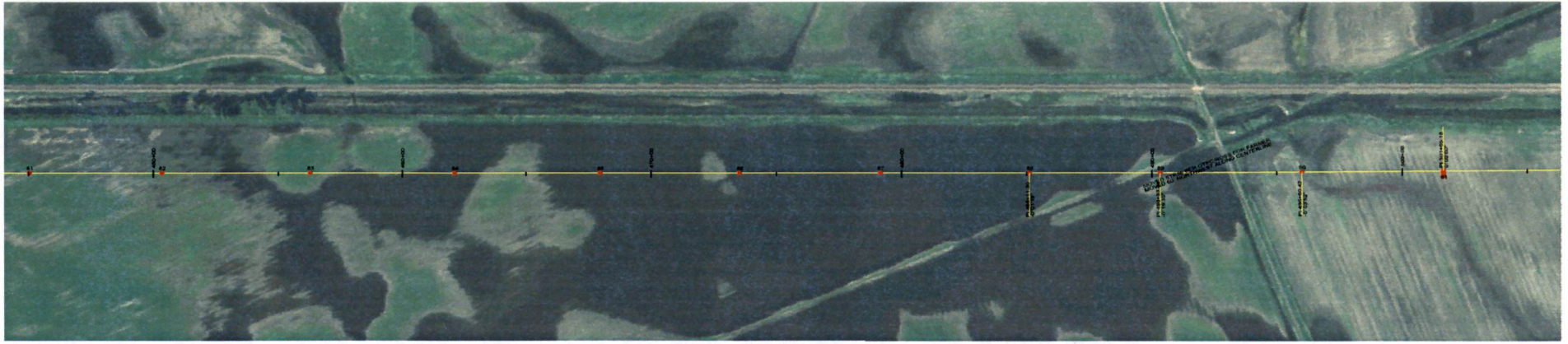
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

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 APPROVED M. JURGEMEYER
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 10 OF 73

1" = 50.0 FT. HORIZ. SCALE
 1" = 5.0 FT. VERT. SCALE



DESIGN CONDITIONS:
 0.45% SLOPE, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACSR 45/7 "BATTERY"

REV	DATE	APP	DESCRIPTION	DFT
0		MPJ	ISSUED FOR CONSTRUCTION	TMF



9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

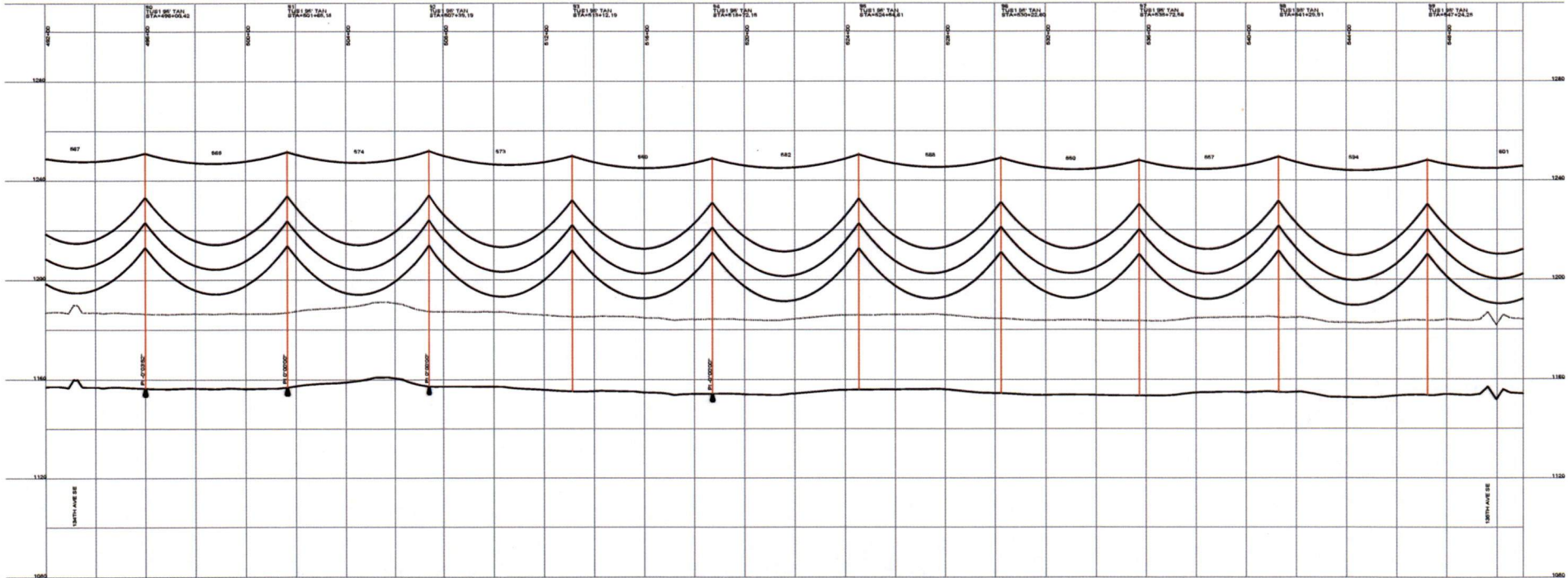
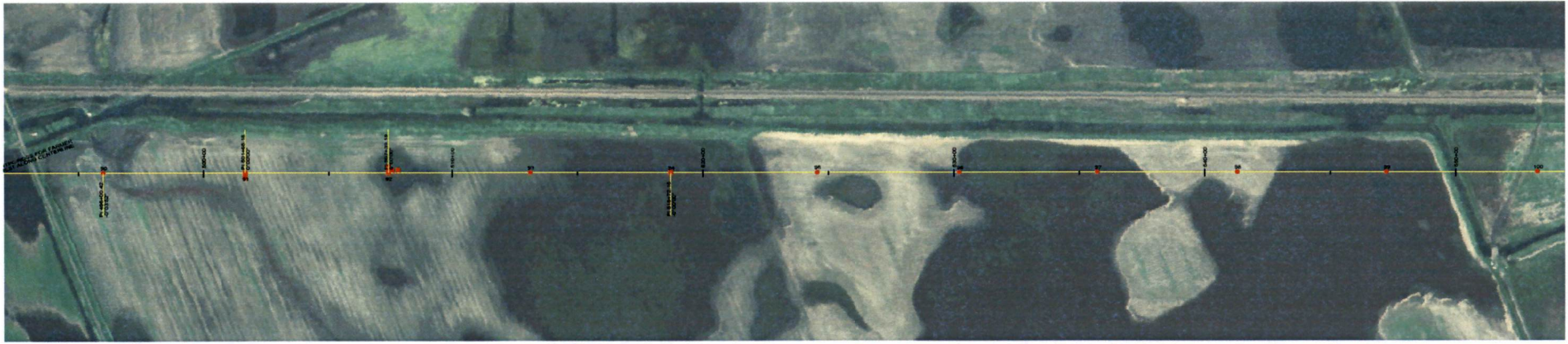
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 400.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 11 OF 73



DESIGN CONDITIONS:
 0.465" CROW, 24 FIBER
 1272 AC/SR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'



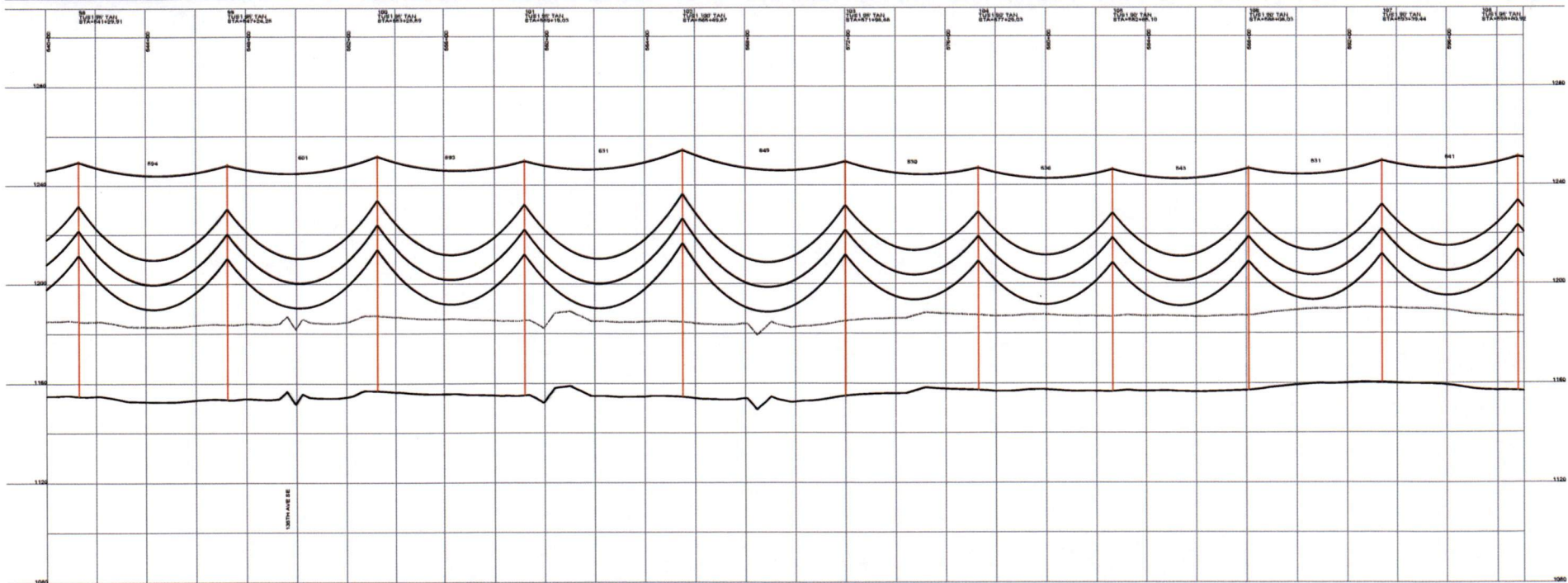
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112
 A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND



REV	DATE	APP	DESCRIPTION	DFTY
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMP



DESIGN CONDITIONS:
 0.45" CROW, 24 FIBER
 1272 ACBR 48/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	DATE
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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

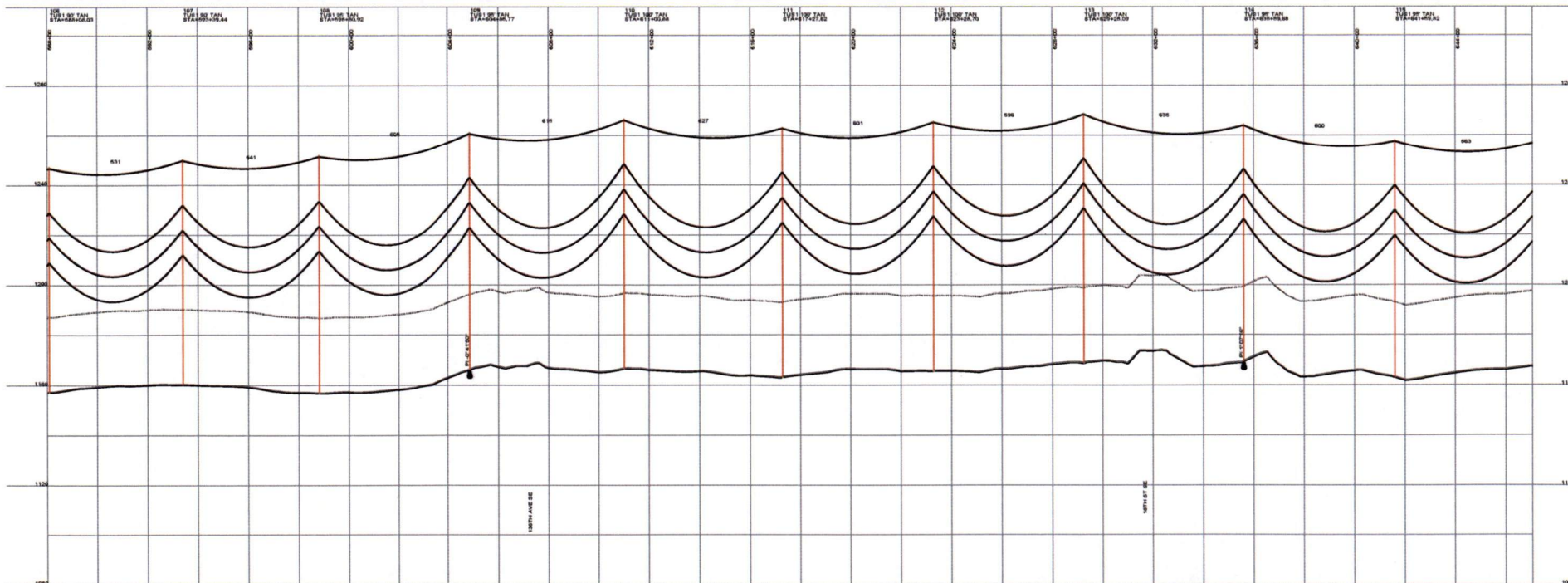
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. BURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 400.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 13 OF 73



DESIGN CONDITIONS
 0.45% CROW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

1272 ACSR 46/7 "BITTERY"

REV	DATE	APP	DESCRIPTION	DFT
0	06/06/08	MF-J	ISSUED FOR CONSTRUCTION	TMP

Stanley Consultants INC.
 9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

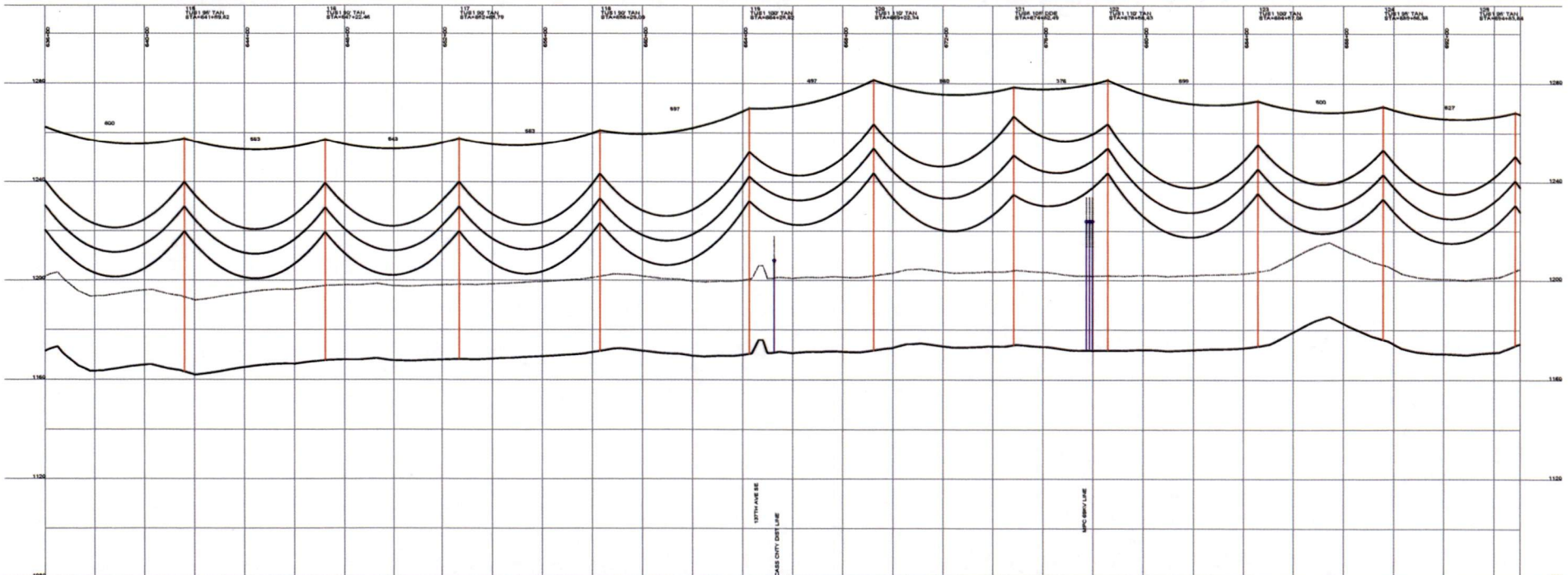
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 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

800.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE **14 OF 73**



DESIGN CONDITIONS:
 0.857' COVER, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

1272 ACSR 45/7 "BATTERY"

REV	DATE	APP	DESCRIPTION	DTM
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION	

Stanley Consultants INC.
 9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

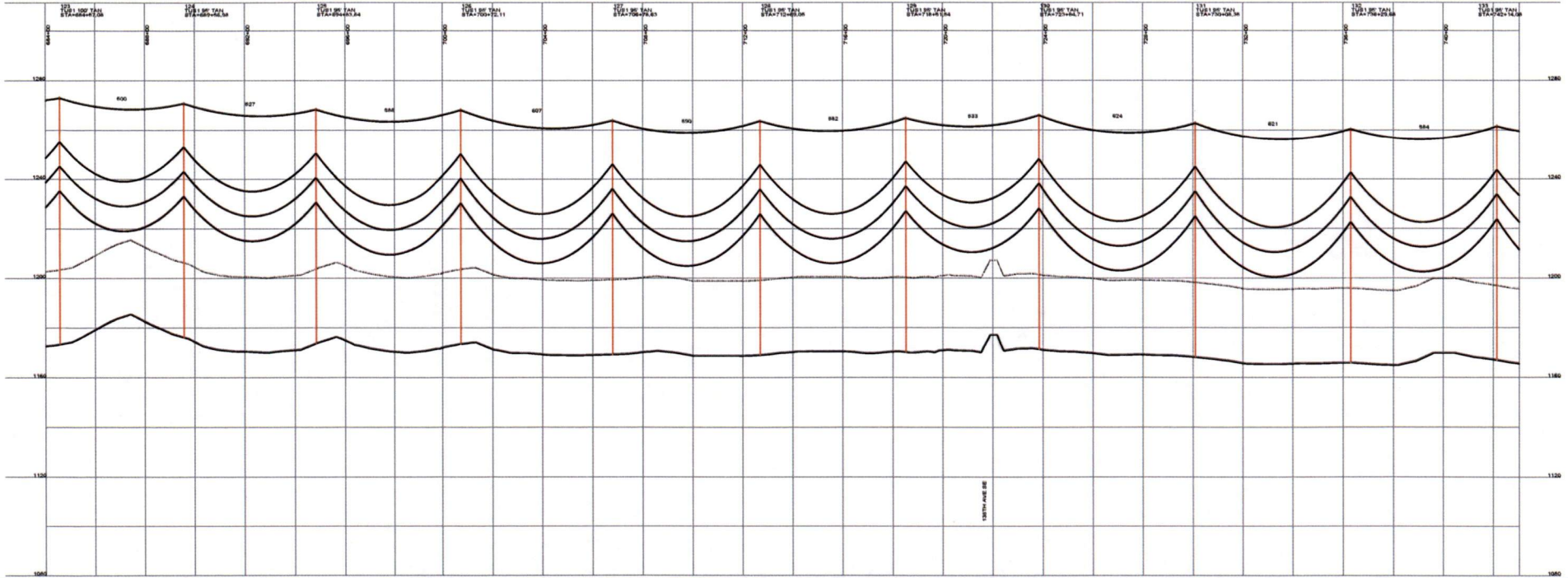
A STANLEY GROUP COMPANY
 ENGINEERING, ENVIRONMENTAL AND
 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

400.0 FT. HORIZ. SCALE
 0.0 FT. VERT. SCALE

WIND GENERATION TIE 15 OF 73



DESIGN CONDITIONS:
 0.45% CROWN, 24 FEET
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DATE
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMF

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

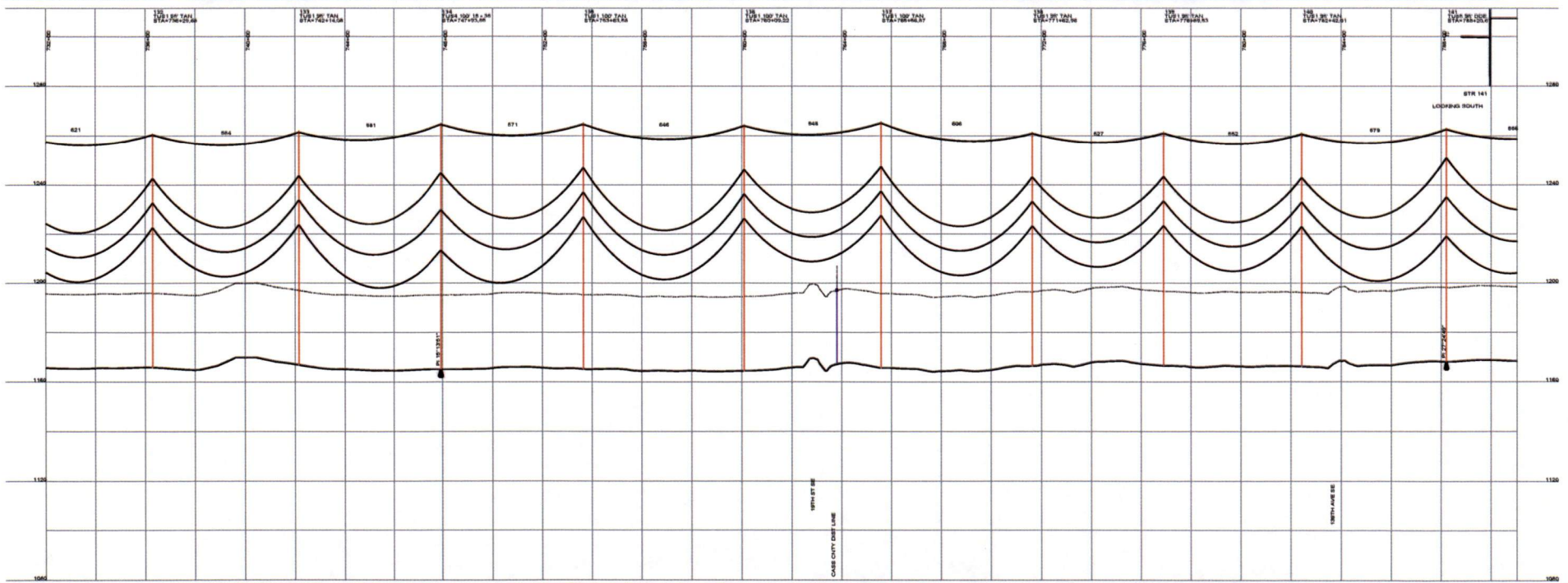
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

000.0 FT. HORIZ. SCALE
 10.0 FT. VERT. SCALE

WIND GENERATION TIE 16 OF 73



DESIGN CONDITIONS:
 0.45% GROW, 24 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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 9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

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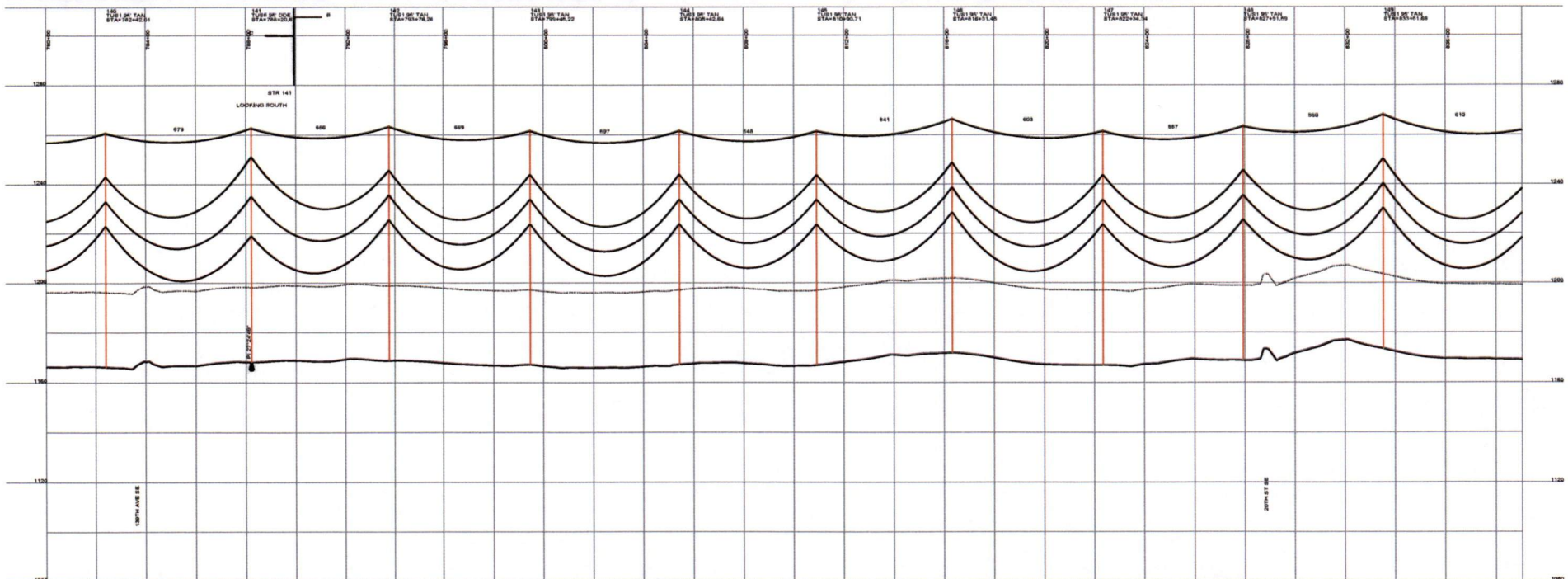
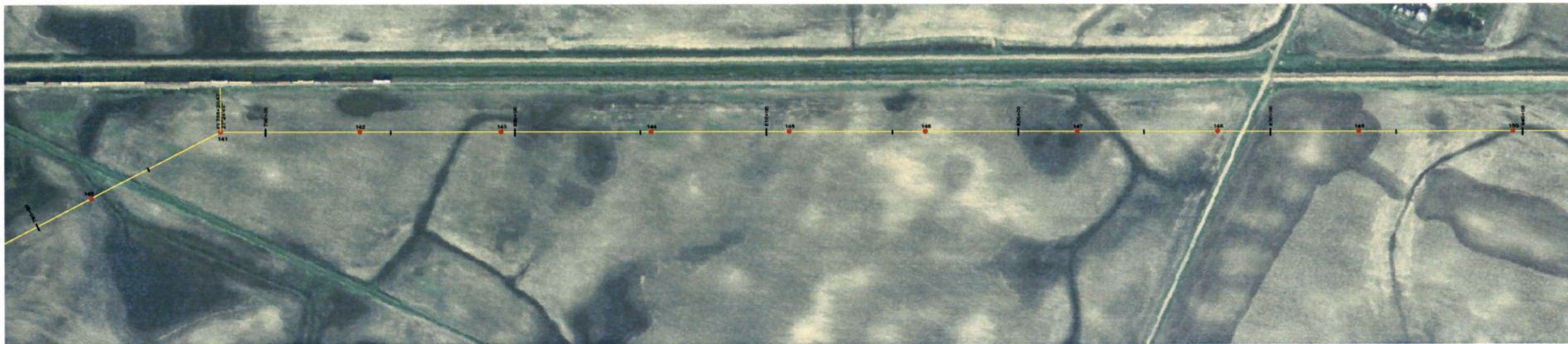
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DELBROUGH
 APPROVED M. SURGEMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 17 OF 73

1:500.0 FT. HORIZ. SCALE
 1:50.0 FT. VERT. SCALE

North Arrow



DESIGN CONDITIONS:
 0.45% CROWN, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DTM
0		GRS/GR	ISSUED FOR CONSTRUCTION	TMF

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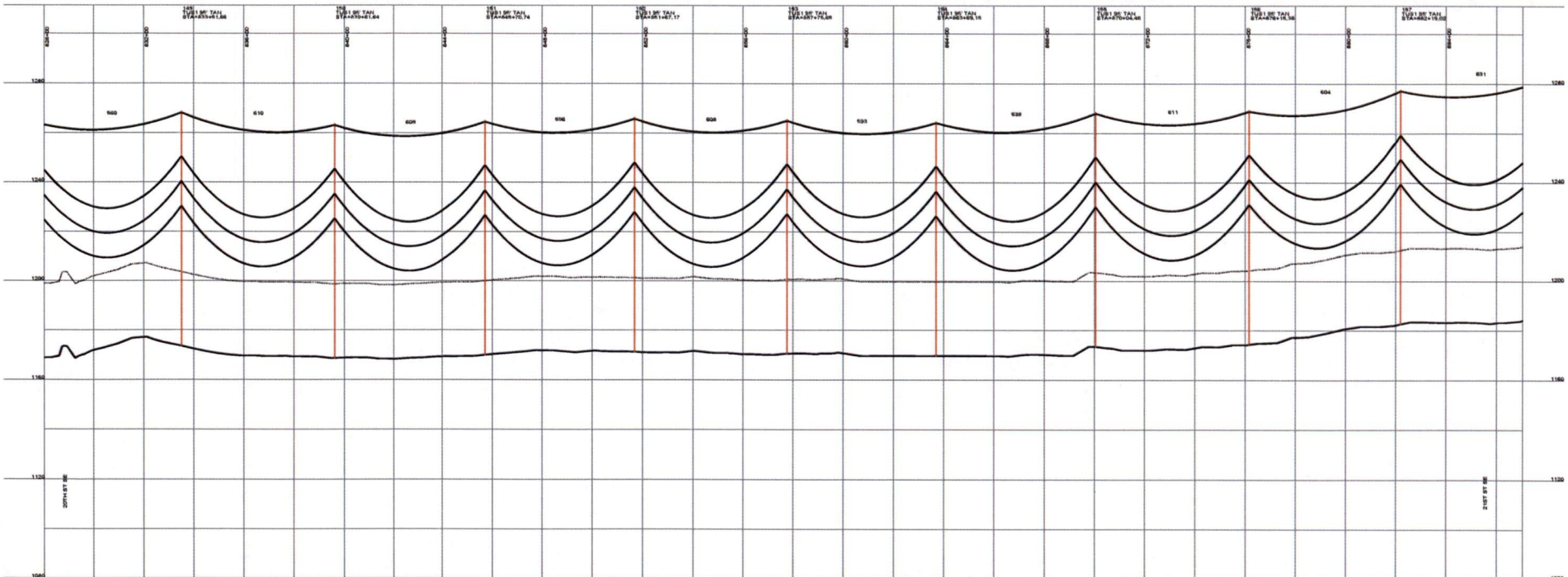
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 ENGLEWOOD, CO 80112

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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

0.005 FT. HORIZ. SCALE
 0.0 FT. VERT. SCALE

WIND GENERATION TIE 18 OF 73



DESIGN CONDITIONS
 0.465' OPGW, 24 FBBER
 20% RTB @ -20 DEGREES F. INITIAL CLEARANCE LINE 30'
 1272 ACSR 46/7 "BITTERN"
 20% RTB @ -20 DEGREES F. INITIAL CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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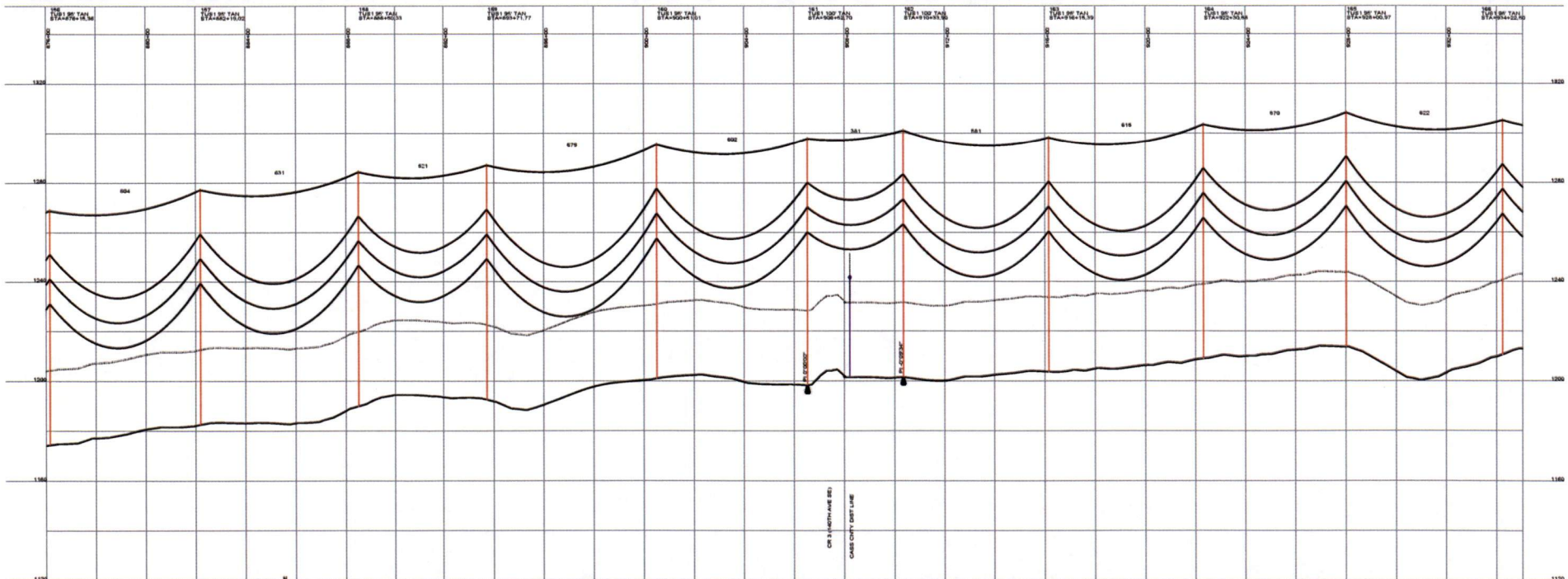
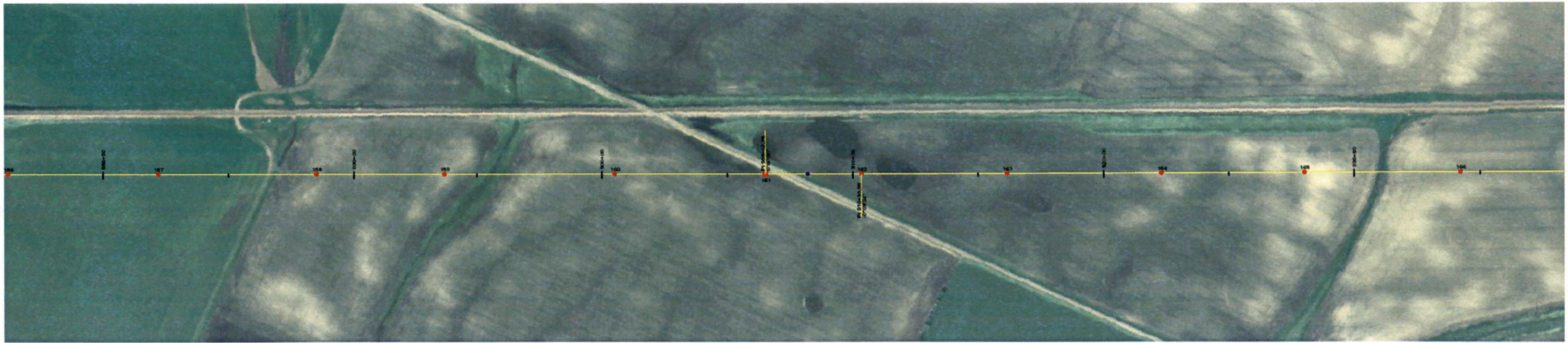
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 APPROVED M. JURGEMEYER
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MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

WIND GENERATION TIE 19 OF 73



DESIGN CONDITIONS:
 0.400" OROWL, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RT8 @ -20 DEGREES F. INITIAL
 20% RT8 @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DFT
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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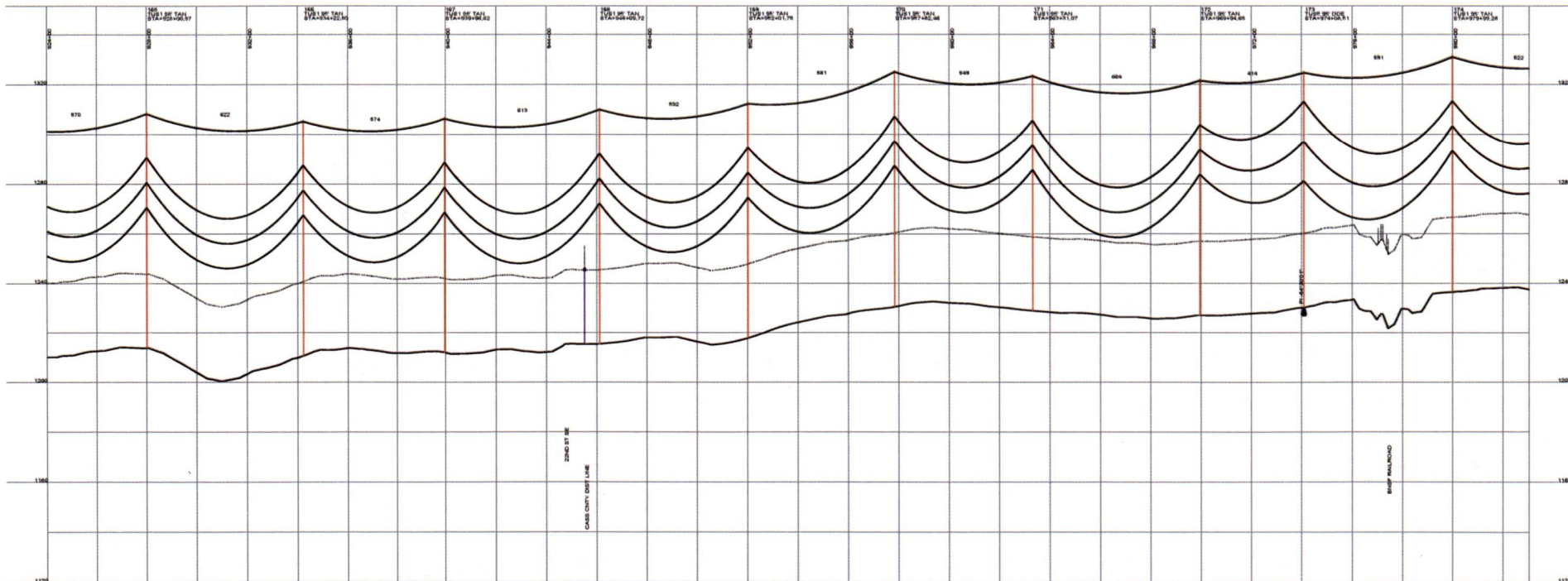
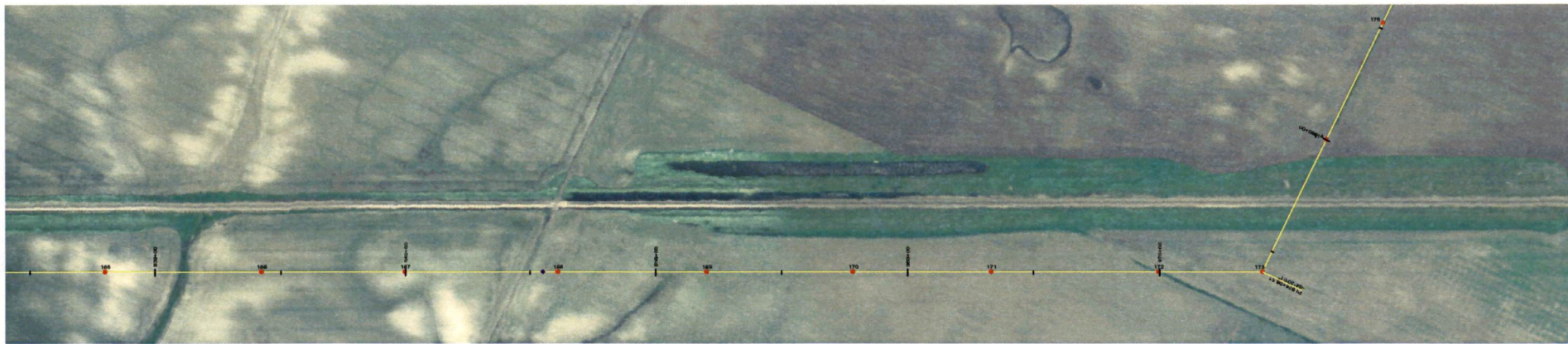
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

400.0 FT. HORIZ. SCALE
 20.0 FT. VERT. SCALE

WIND GENERATION TIE 20 OF 73



DESIGN CONDITIONS:
 0.465" CROW, 2.1 FIBER
 20% RT8 @ -20 DEGREES F. INITIAL CLEARANCE LANE: 30'

1272 AC/SR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMP

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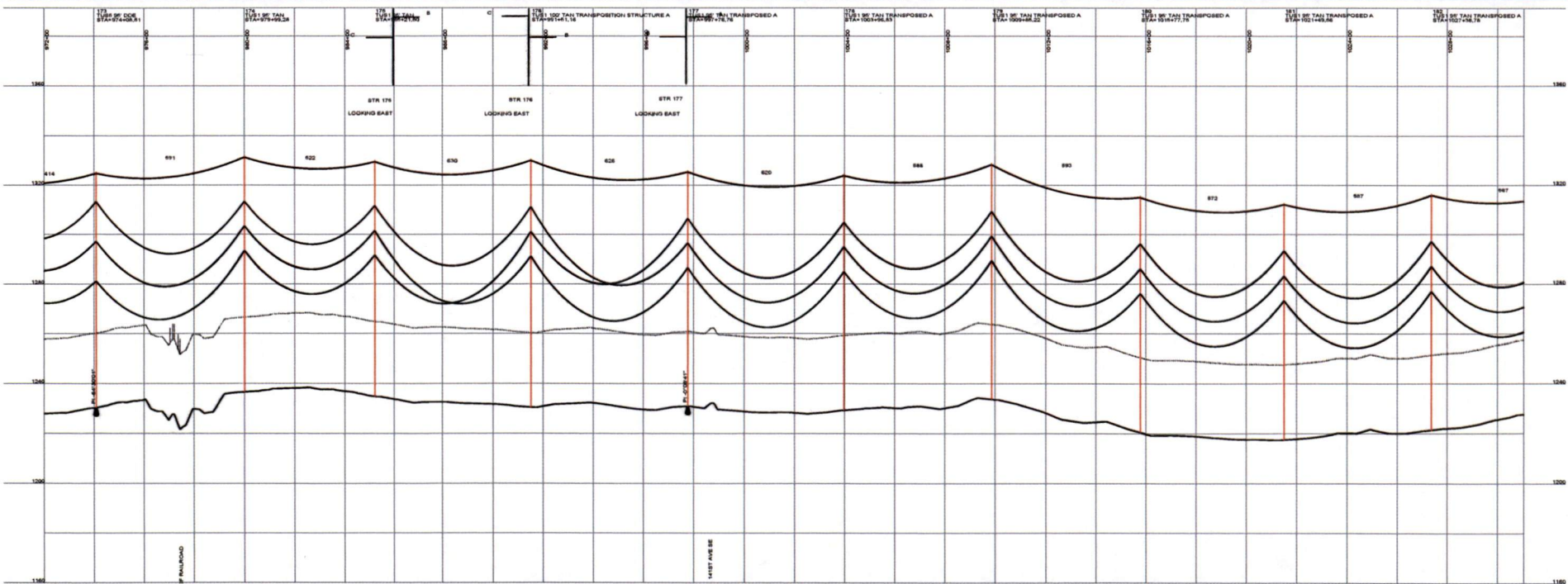
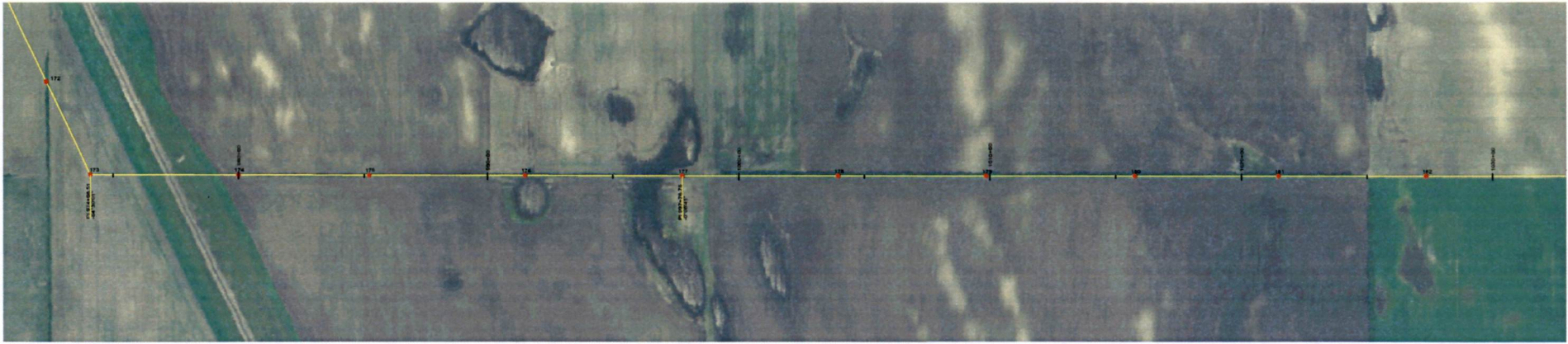
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 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGEMEYER
 DATE: 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

400.0 FT. HORIZ. SCALE
 20.0 FT. VERT. SCALE

WIND GENERATION TIE 21 OF 73



DESIGN CONDITIONS
 0.45% CROW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

1272 AC SR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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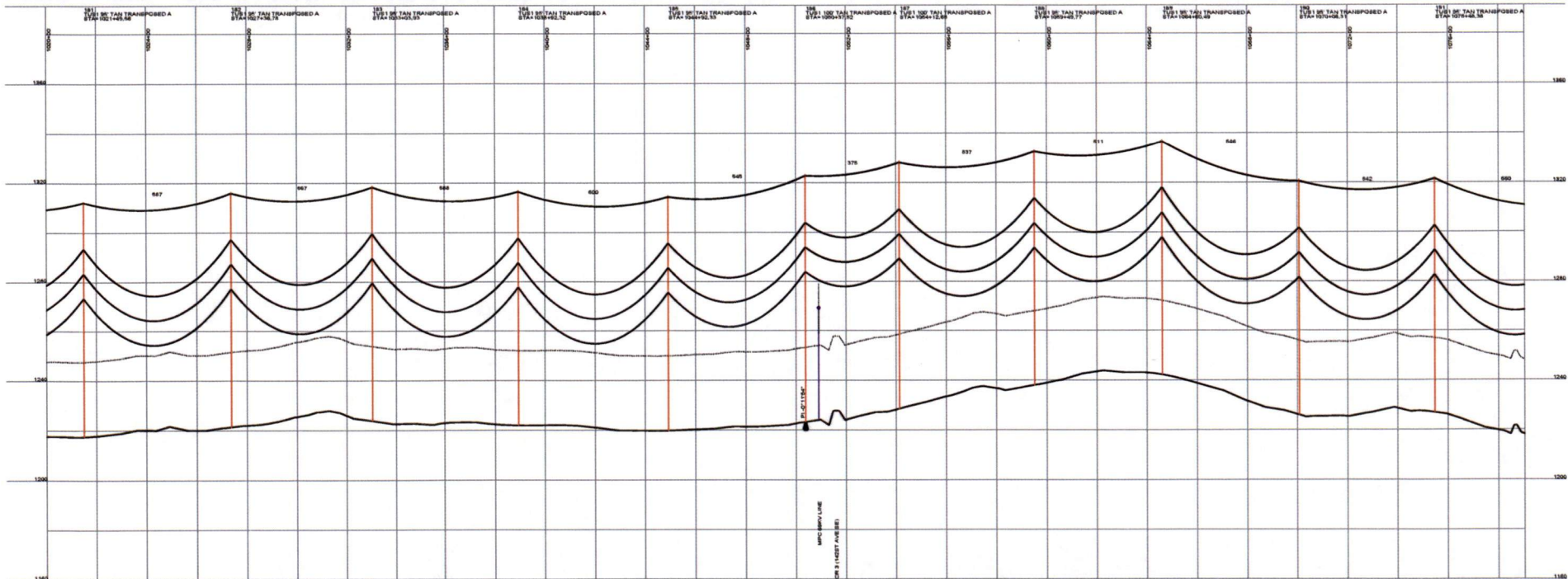
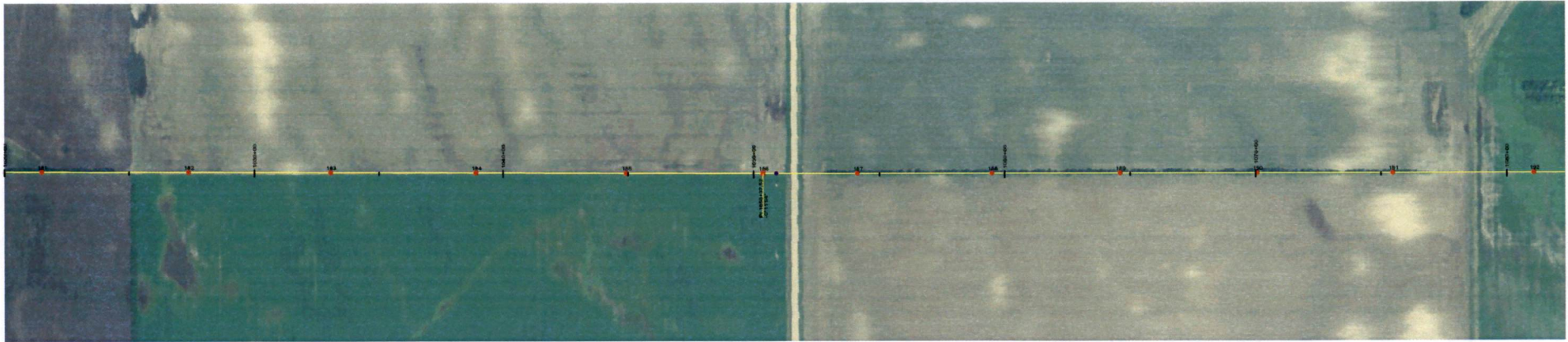
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 SUITE 400
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

WIND GENERATION TIE 22 OF 73



DESIGN CONDITIONS:
 0.45% GROW. 24 FIBER
 1273 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TEMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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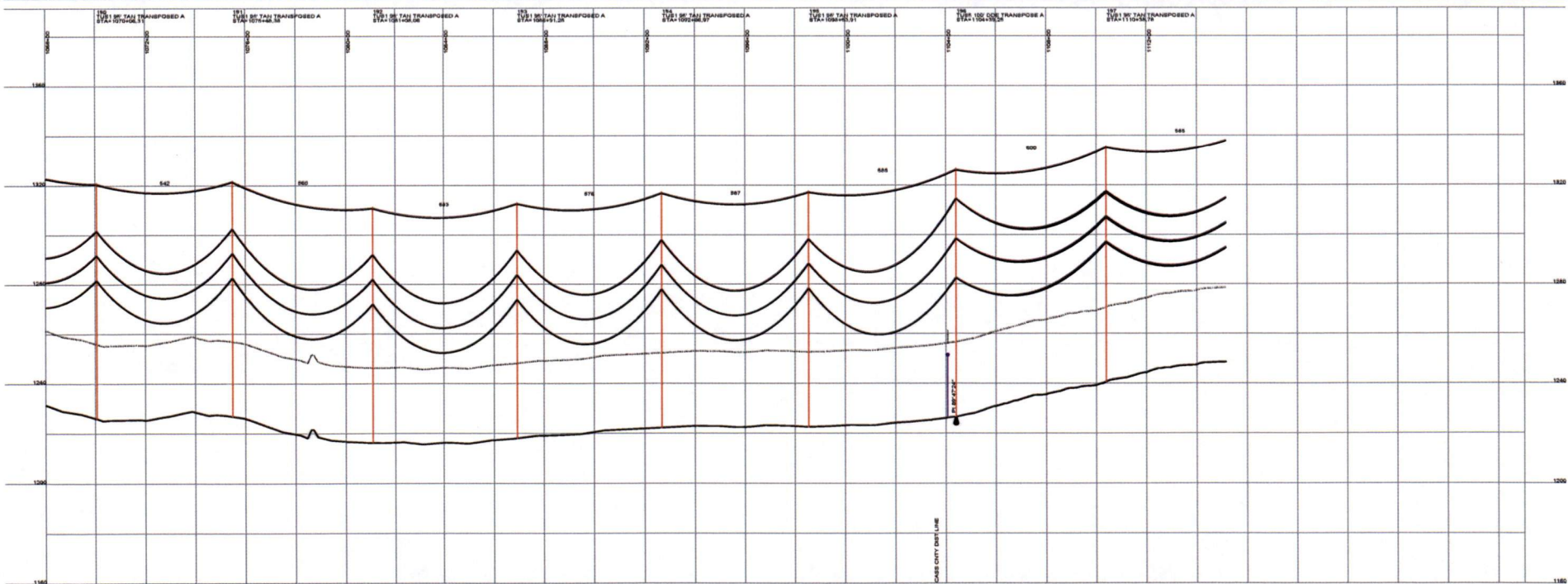
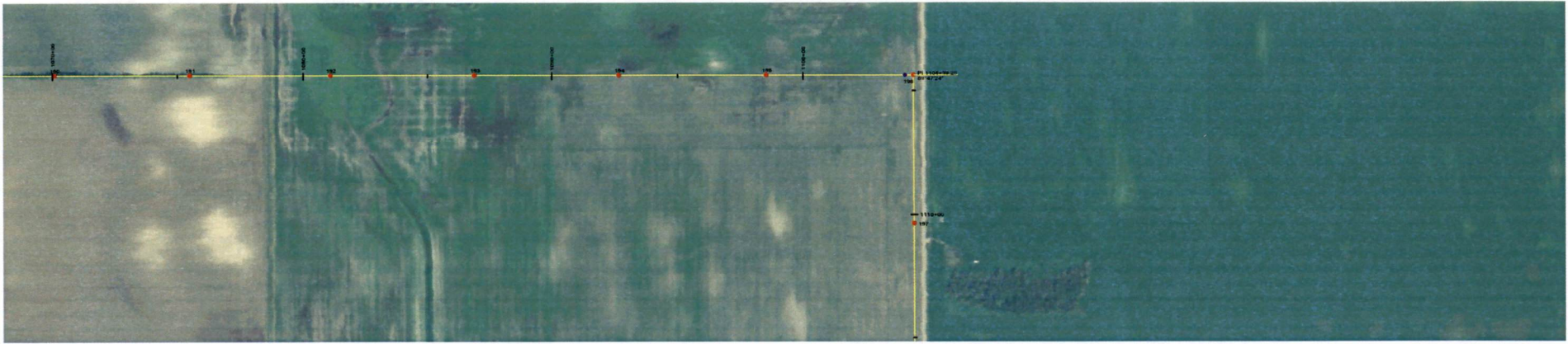
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DELBROUQU
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 23 OF 73

1:50 HORIZ. SCALE
 1:10 VERT. SCALE

↑ NORTH



DESIGN CONDITIONS:
 0.465" CRIMP, 24 FIBER
 1272 ACSR 46/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'



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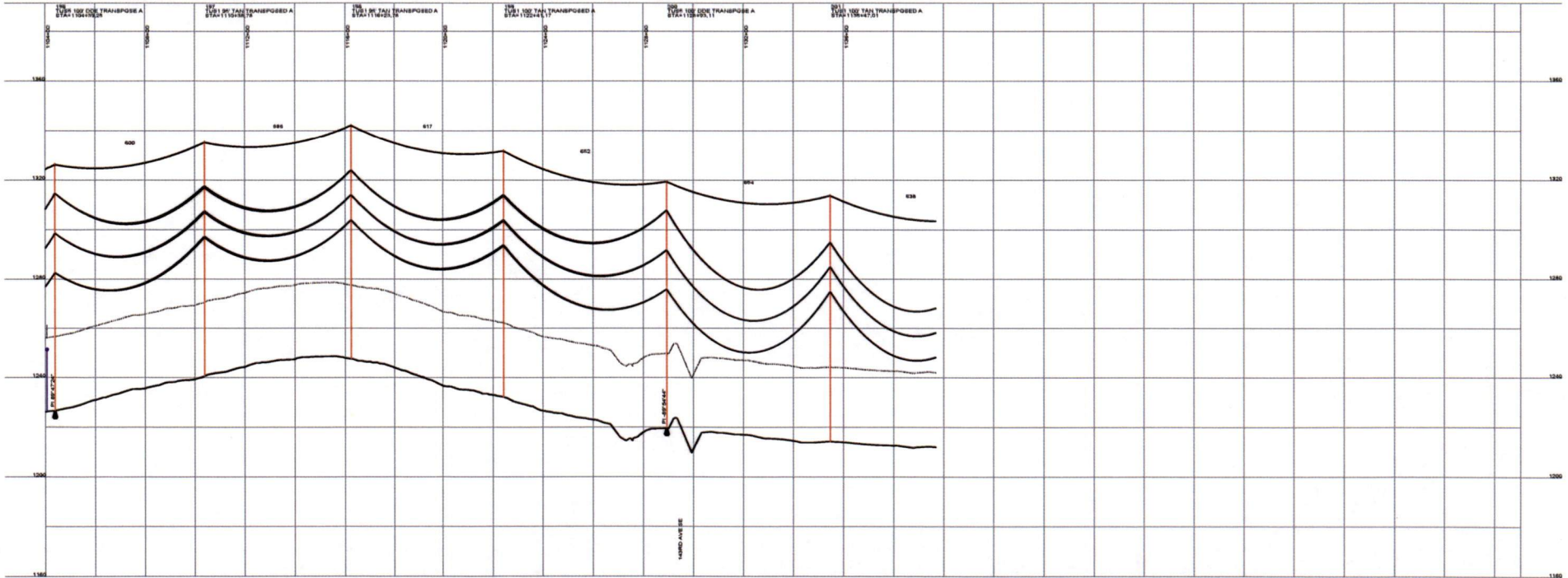
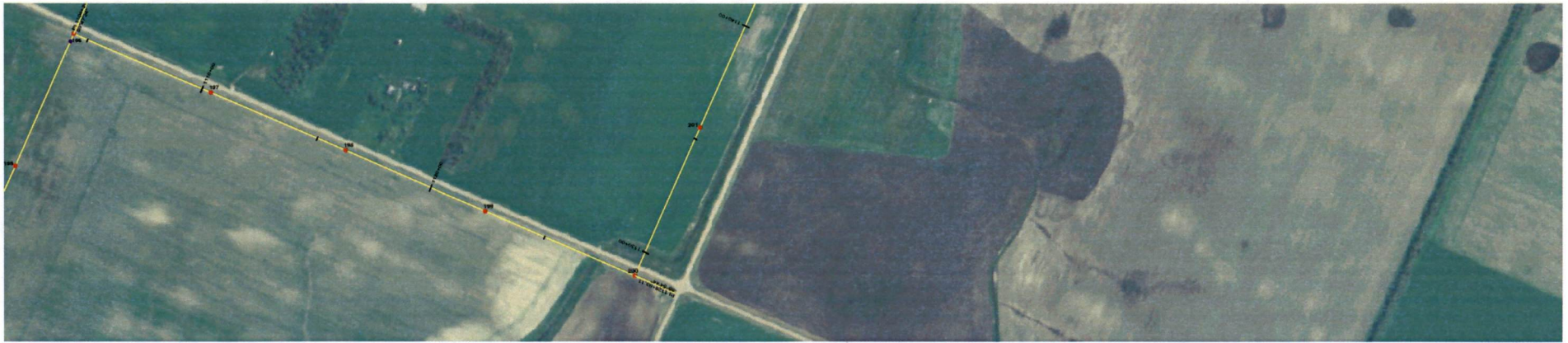
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND



WIND GENERATION TIE 24 OF 73

REV	DATE	APP	DESCRIPTION	DFT
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMP



DESIGN CONDITIONS:
 0.45% CROWN, 24 FEET
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL



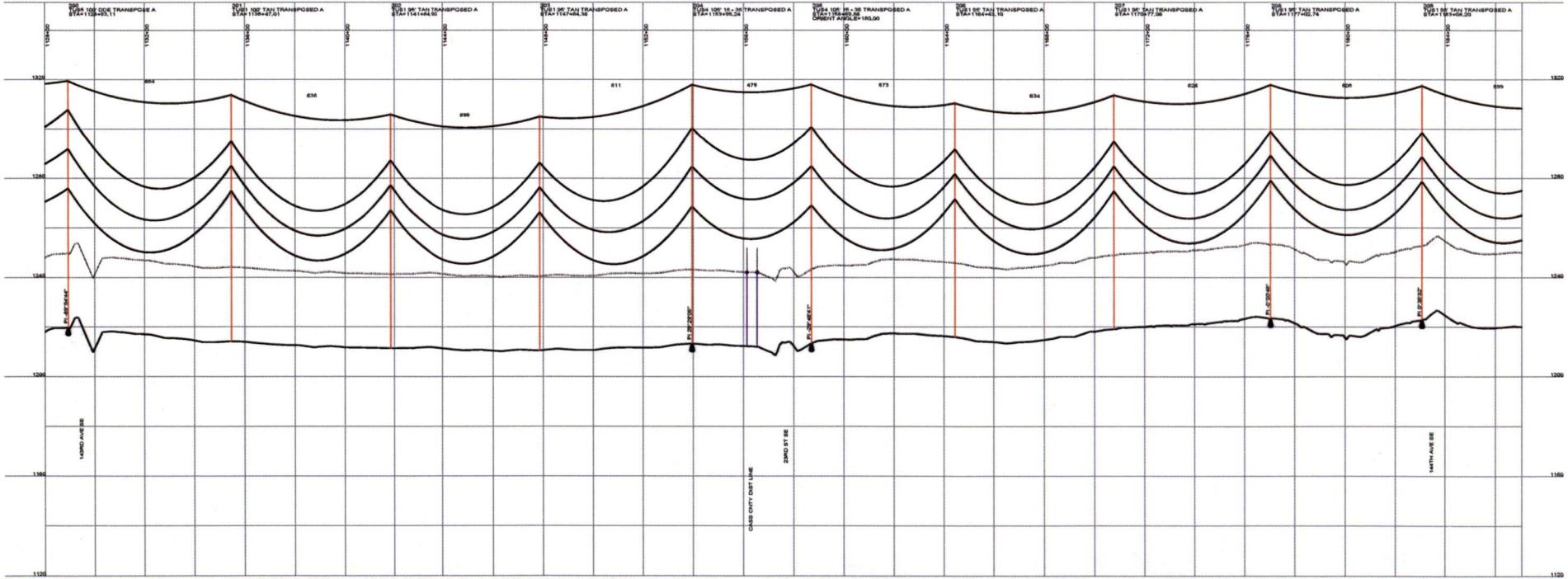
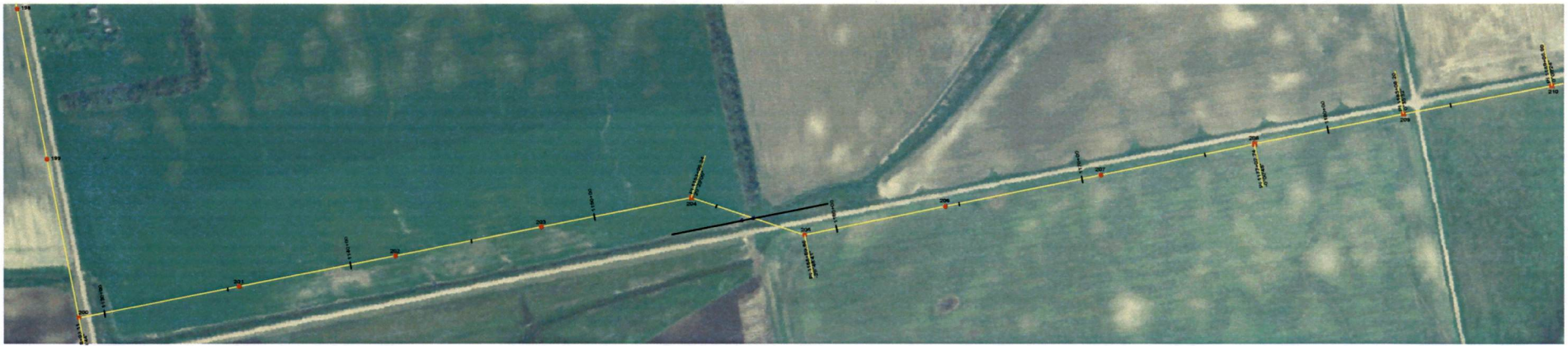
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
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MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 60.0 FT. HORIZ. SCALE
 1" = 60.0 FT. VERT. SCALE



DESIGN CONDITIONS
 3.465' OPW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHIE: 39'

1272 AC/SR 45/7 "BATTERY"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DPTH	TMP
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		

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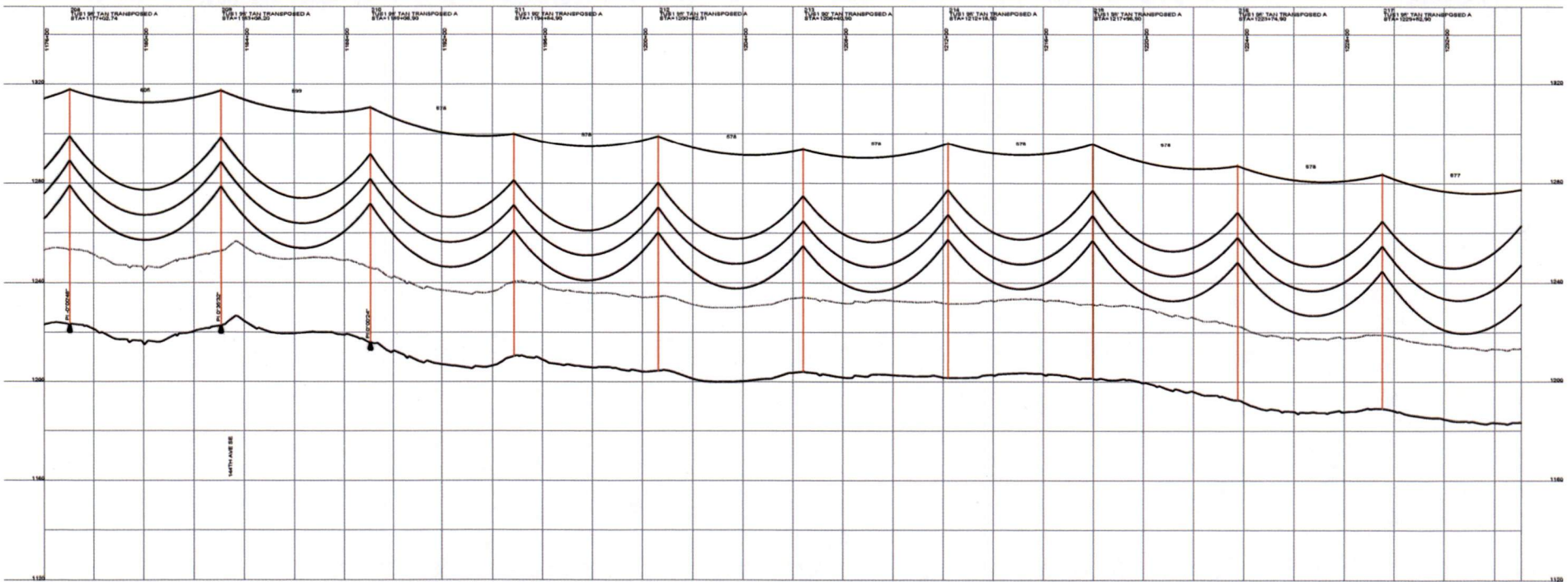
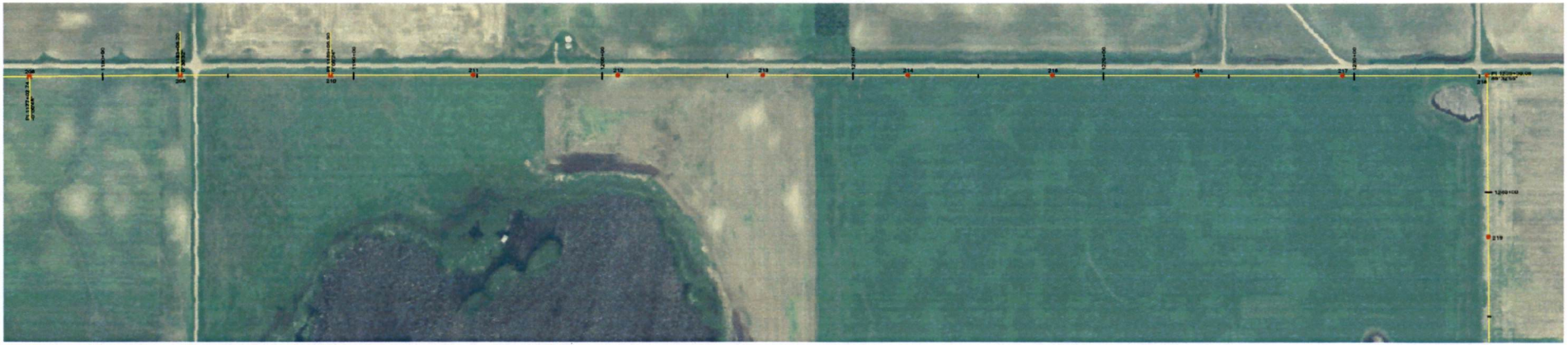
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

800.0 FT. ← HORIZ. SCALE
 20.0 FT. ← VERT. SCALE

WIND GENERATION TIE 26 OF 73



DESIGN CONDITIONS:
 0.45% GROUND, 24 PIER
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'

1272 ACBR 457 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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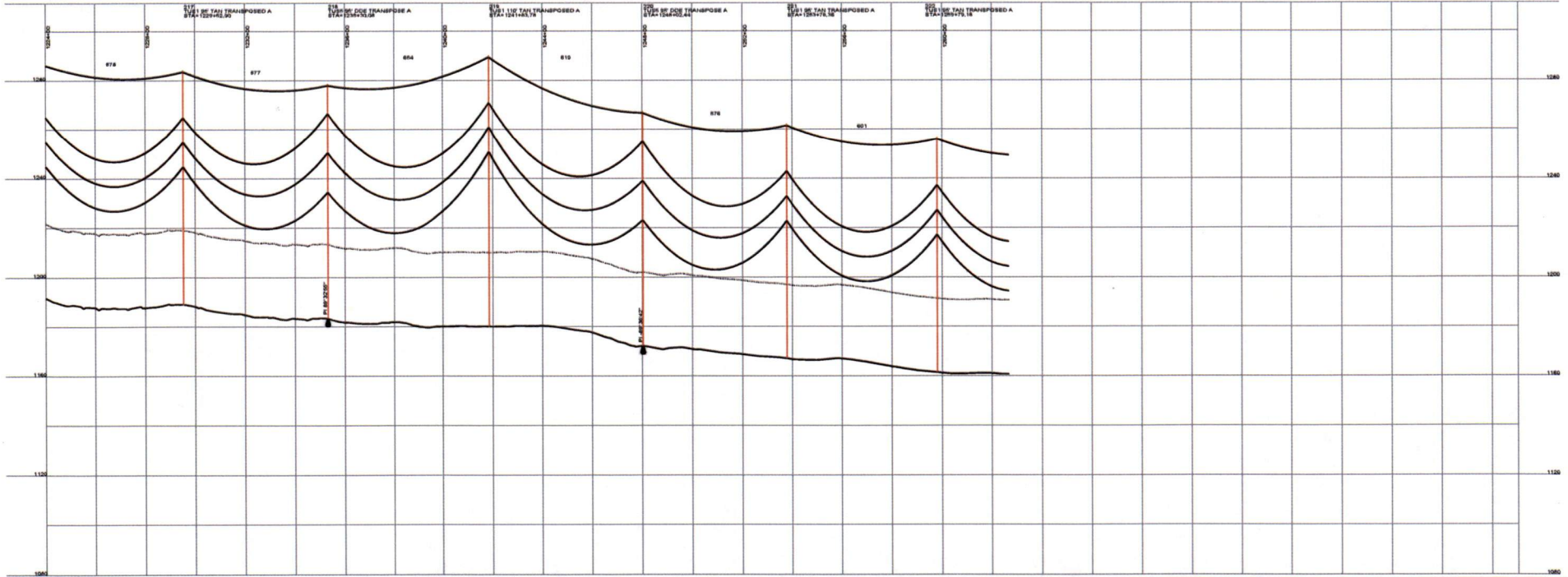
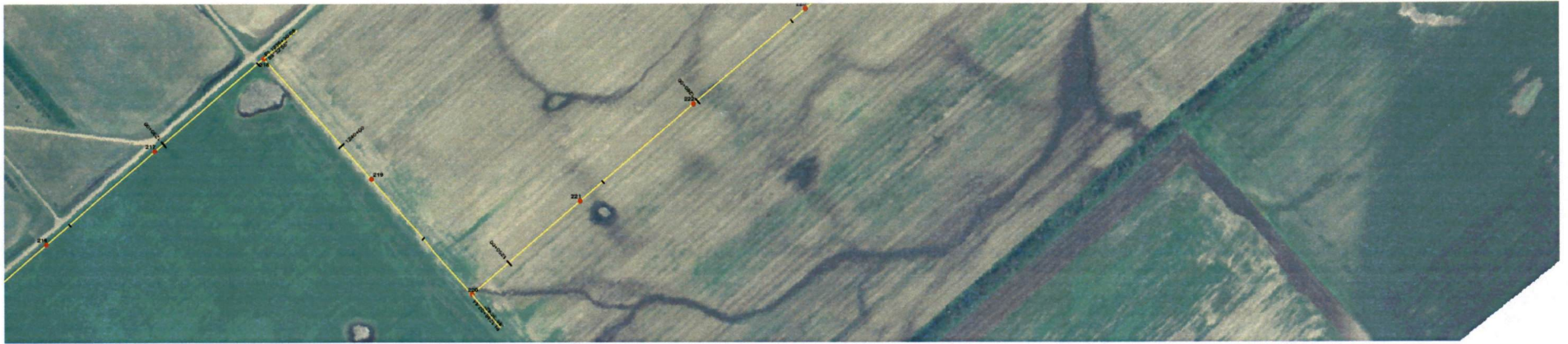
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 CHECKED H. DILLBOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

400.0 FT. 4 HORIZ. SCALE
 40.0 FT. 4 VERT. SCALE

WIND GENERATION TIE 27 OF 73



DESIGN CONDITIONS:
 0.45% CROW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL
 20% RTS @ -30 DEGREES F, INITIAL
 CLEARANCE L/R: 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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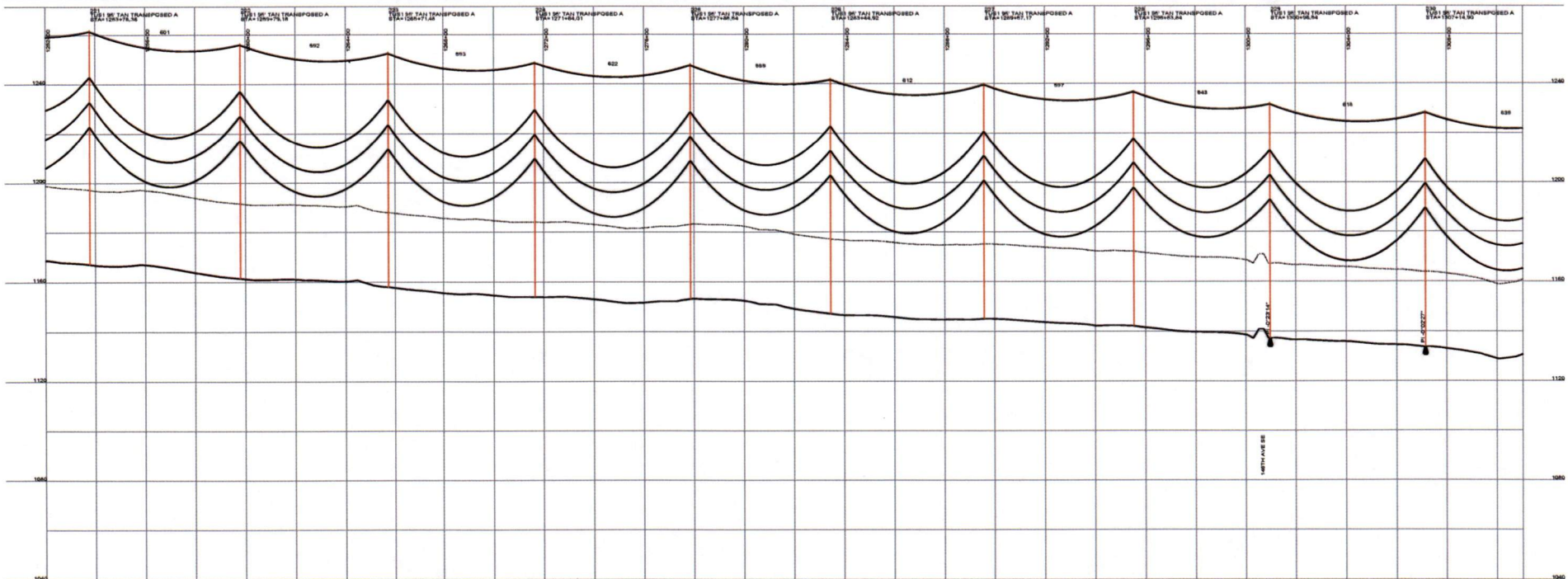
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 28 OF 73



DESIGN CONDITIONS:
 0.45% CROWN, 2.1 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 3'

1272 ACSR 45/7 "BATTERY"

REV	DATE	APP	DESCRIPTION	TWP	DPTH
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		

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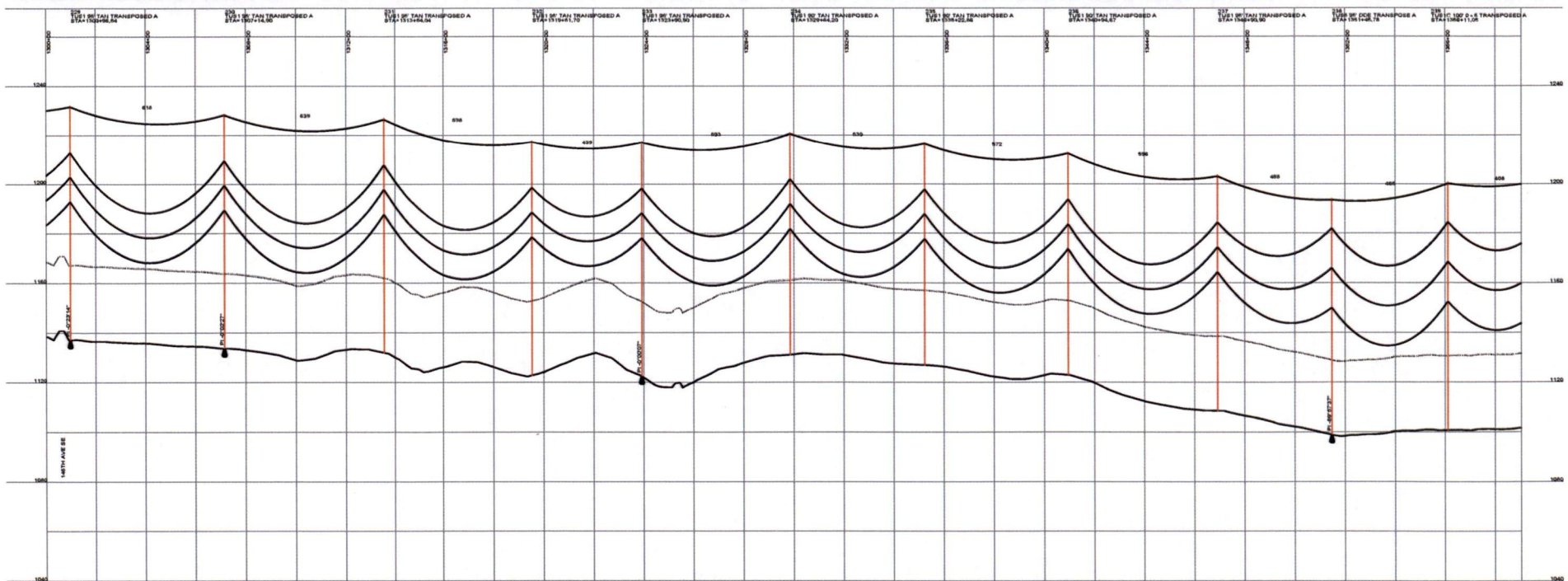
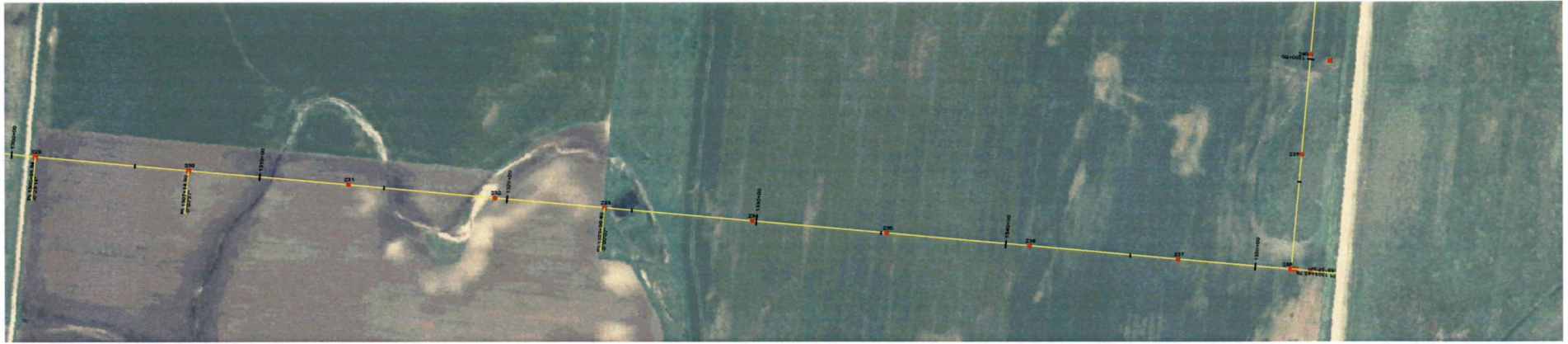
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 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 400.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 29 OF 73



DESIGN CONDITIONS:
 0.465" CRON, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL CLEARANCE LINE: 30'

1272 AC/SR 46/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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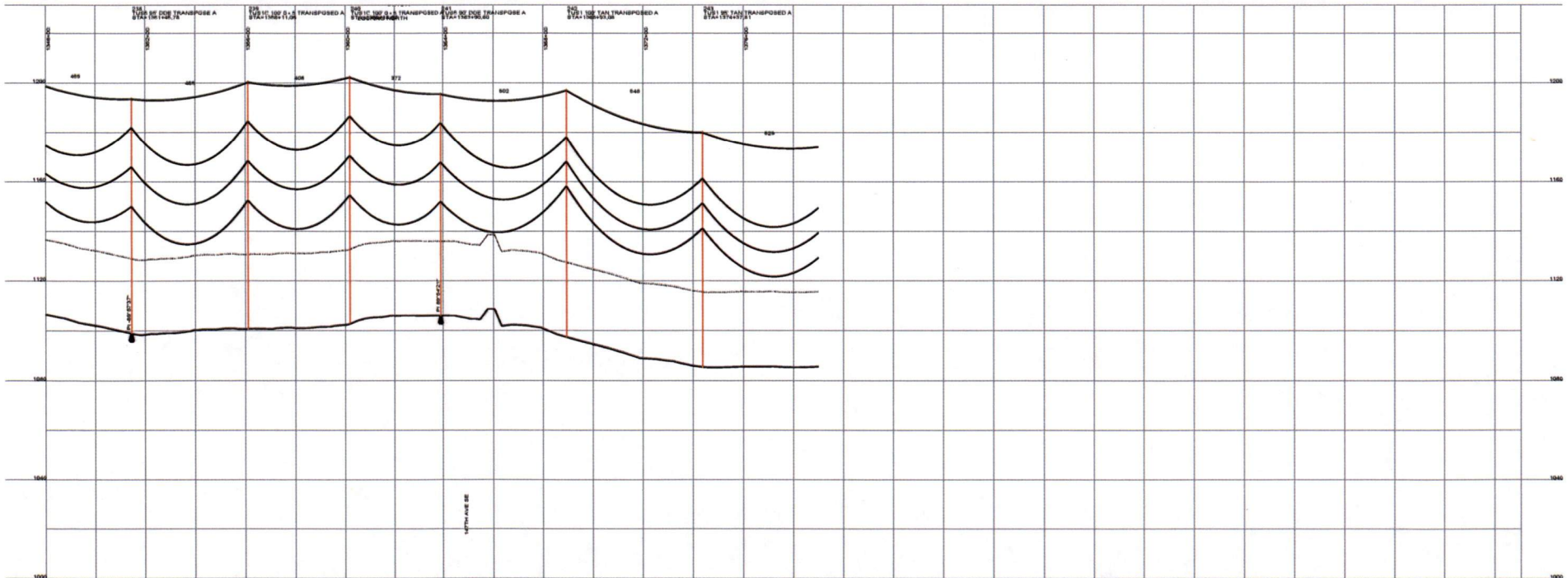
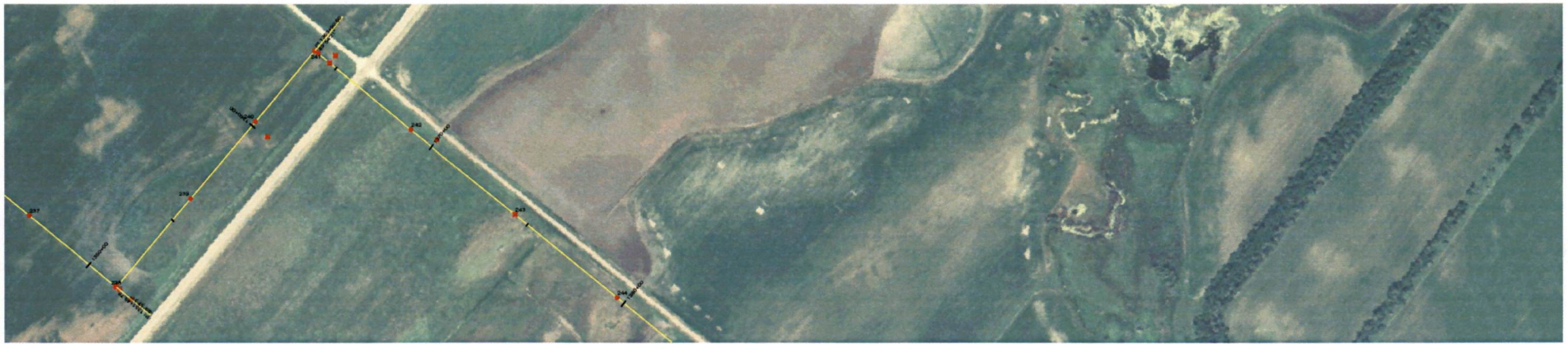
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 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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


WIND GENERATION TIE 30 OF 73



DESIGN CONDITIONS:
 0.465' OPQW, 24 FEET
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LPH: 30'

1272 ACBR 457 "BITTERN"

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		





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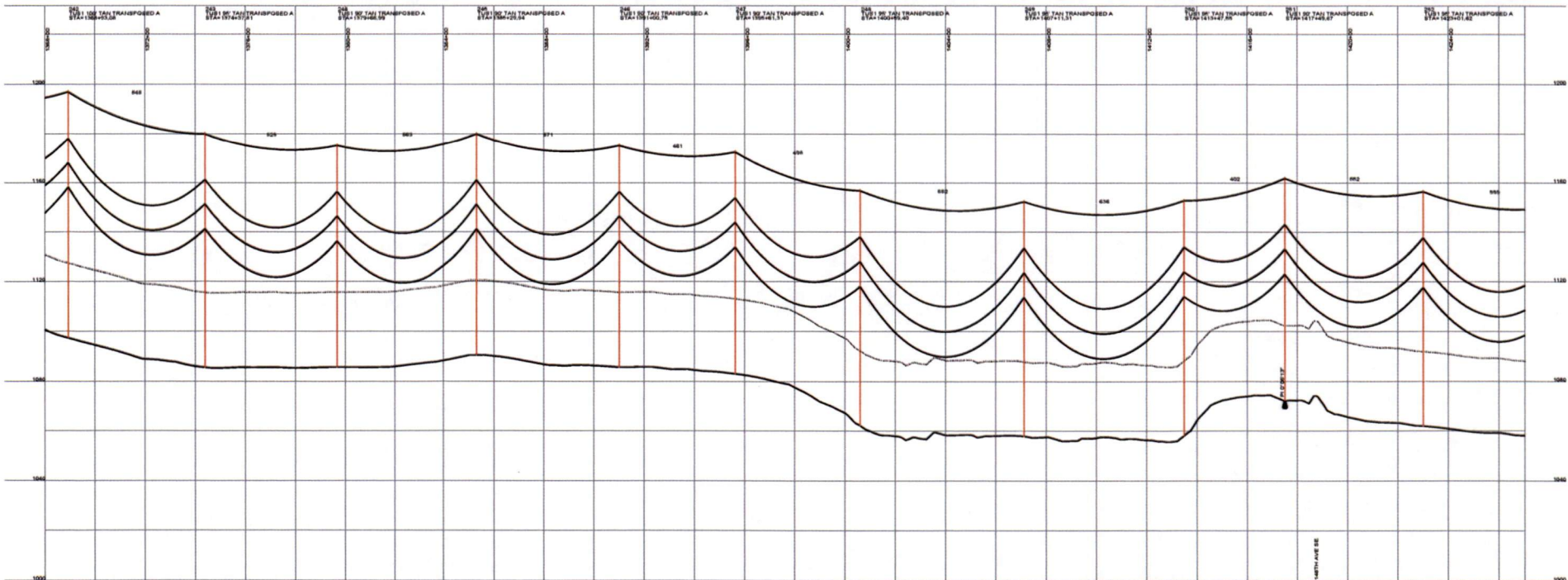
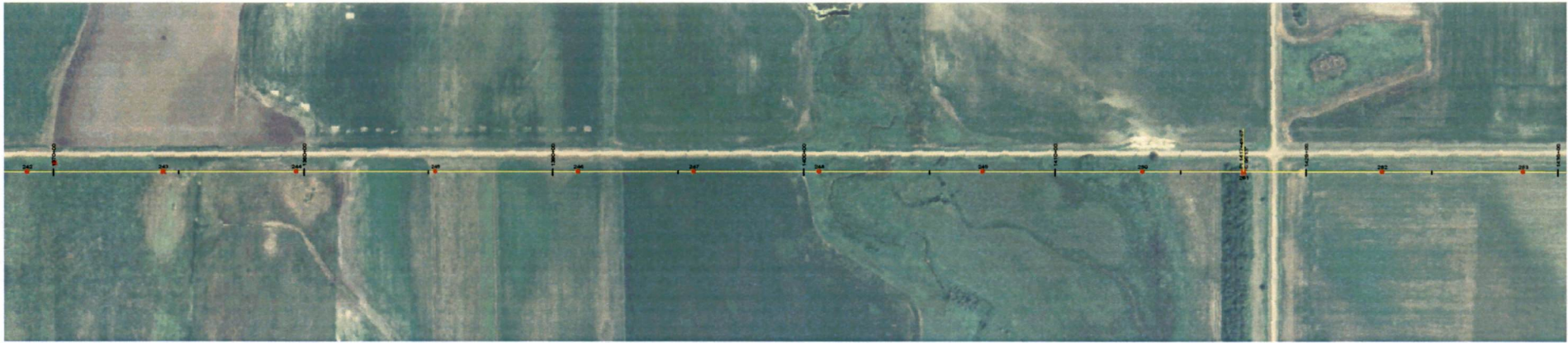
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

 HORIZ. SCALE
 VERT. SCALE

WIND GENERATION TIE 31 OF 73



DESIGN CONDITIONS
 0.465" CPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHS: 30

1272 ACBR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	DFTR
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION	TMP

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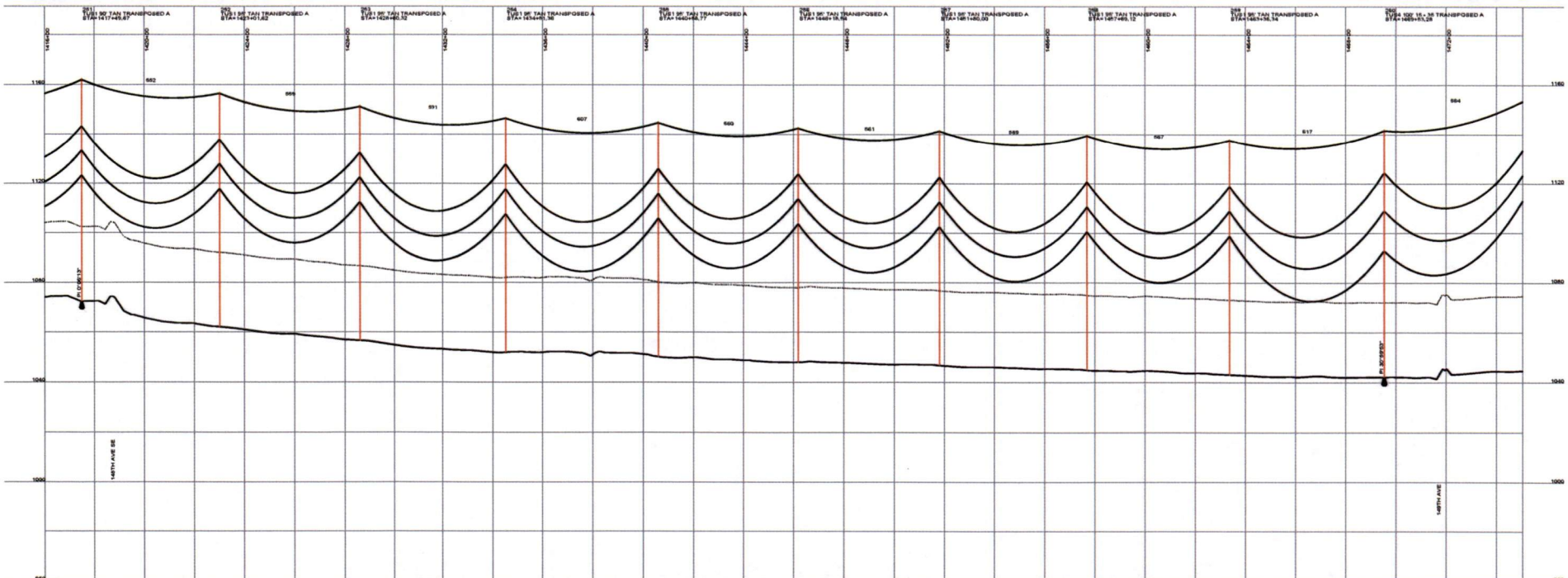
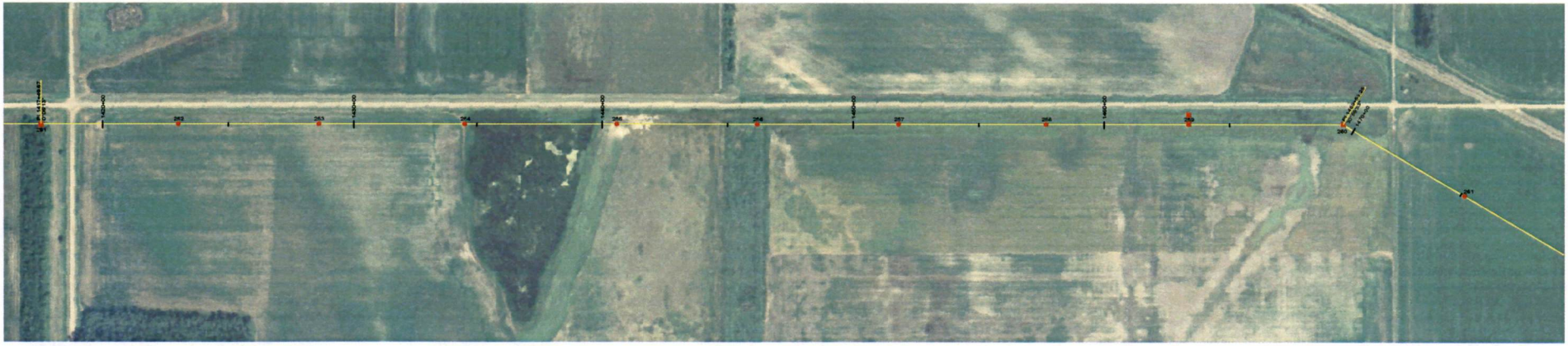
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

800.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE 32 OF 73



DESIGN CONDITIONS:
0.5% CHRON. 2.1 FIBER
20% RTS @ -20 DEGREES F. INITIAL
CLEARANCE LINE: 3'

1272 ACBR 45/7 "BITTERN"
20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TMP	DFTS
0	06/06/08	MF	ISSUED FOR CONSTRUCTION		

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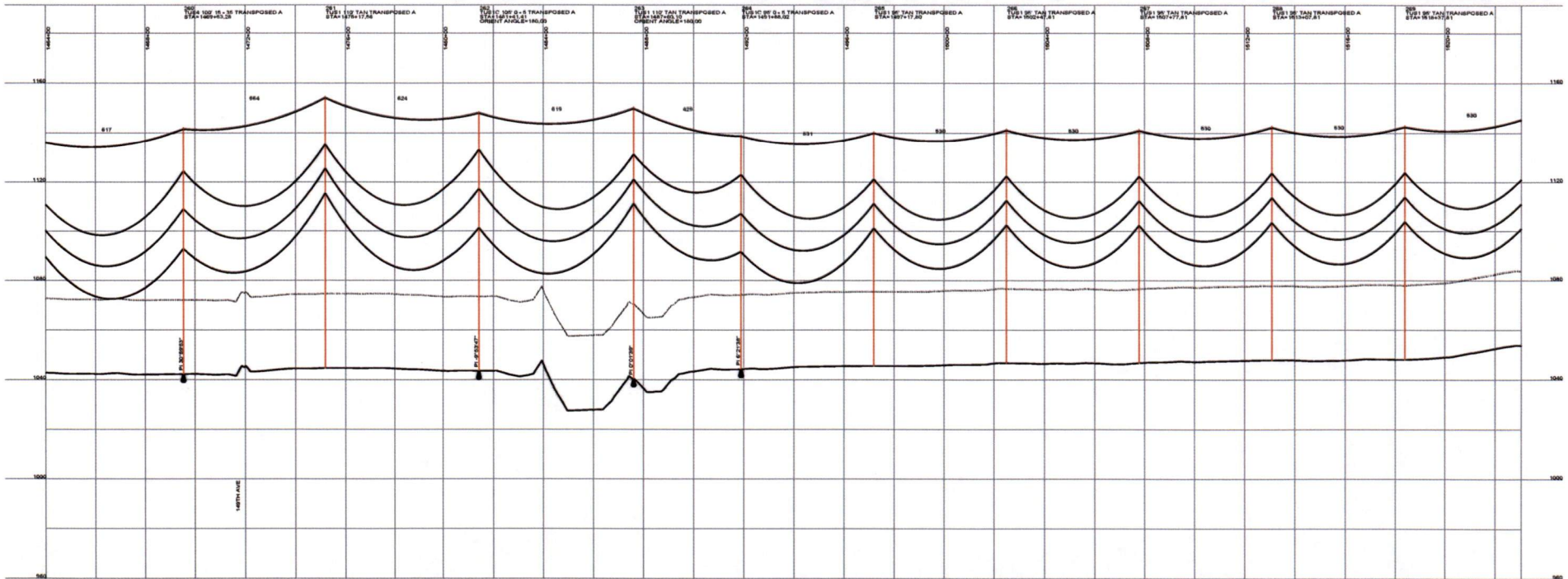
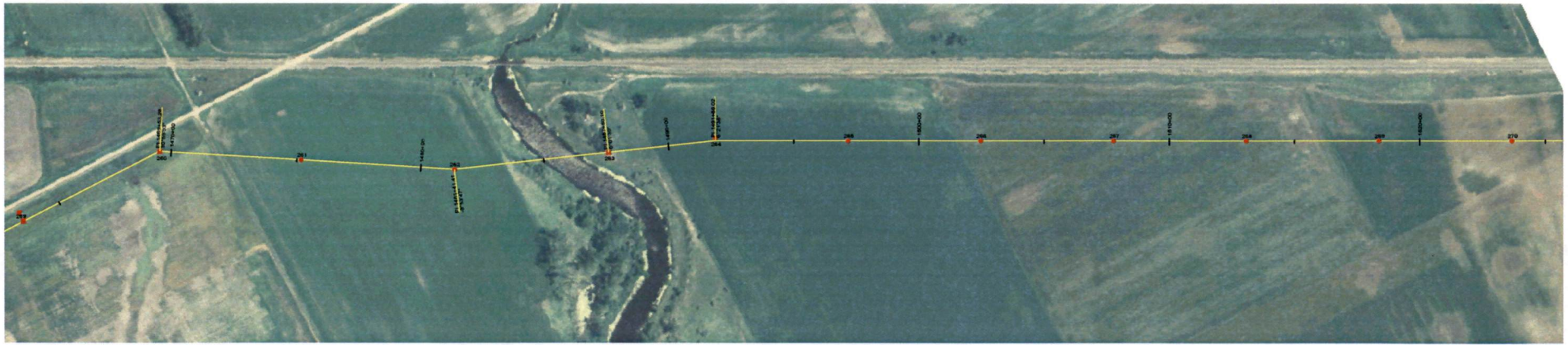
DESIGNED T. FRANCIS
DRAWN T. FRANCIS
CHECKED H. DILLABOUGH
APPROVED M. JURGEMEYER
DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 33 OF 73

600.0 FT. HORIZ. SCALE
@ 0.5" = 100.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS
 0.465" CPW, 24 FIBER
 1272 ACSR 46/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DFT	TMP
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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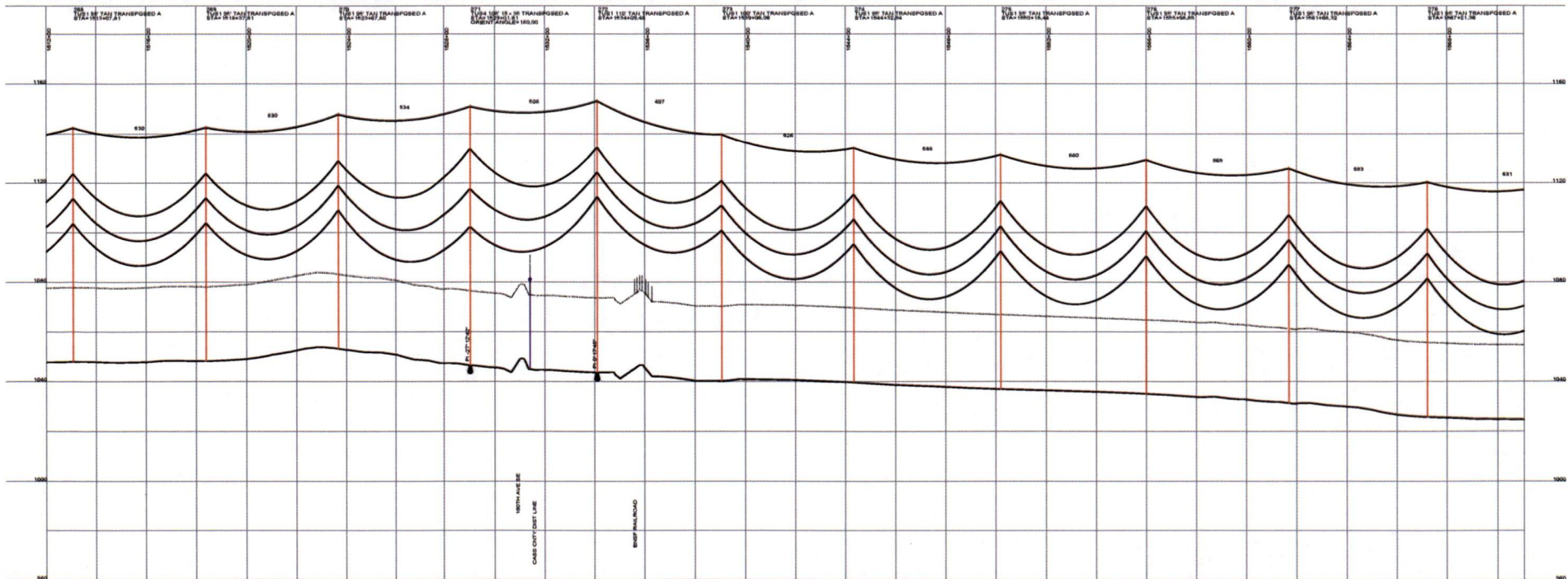
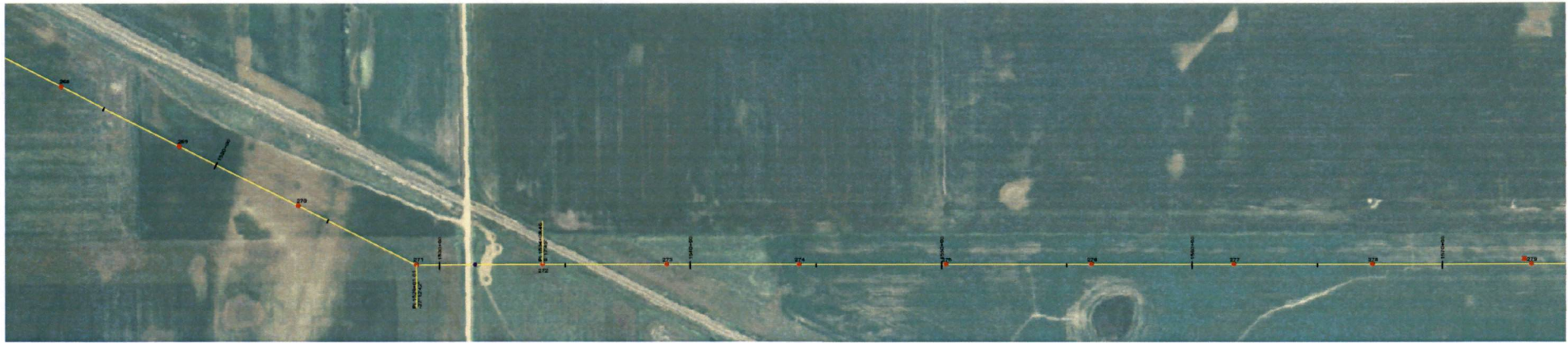
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 34 OF 73

1" = 400.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS:
 0.492" COPOLYMER 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		

Stanley Consultants Inc.
 9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

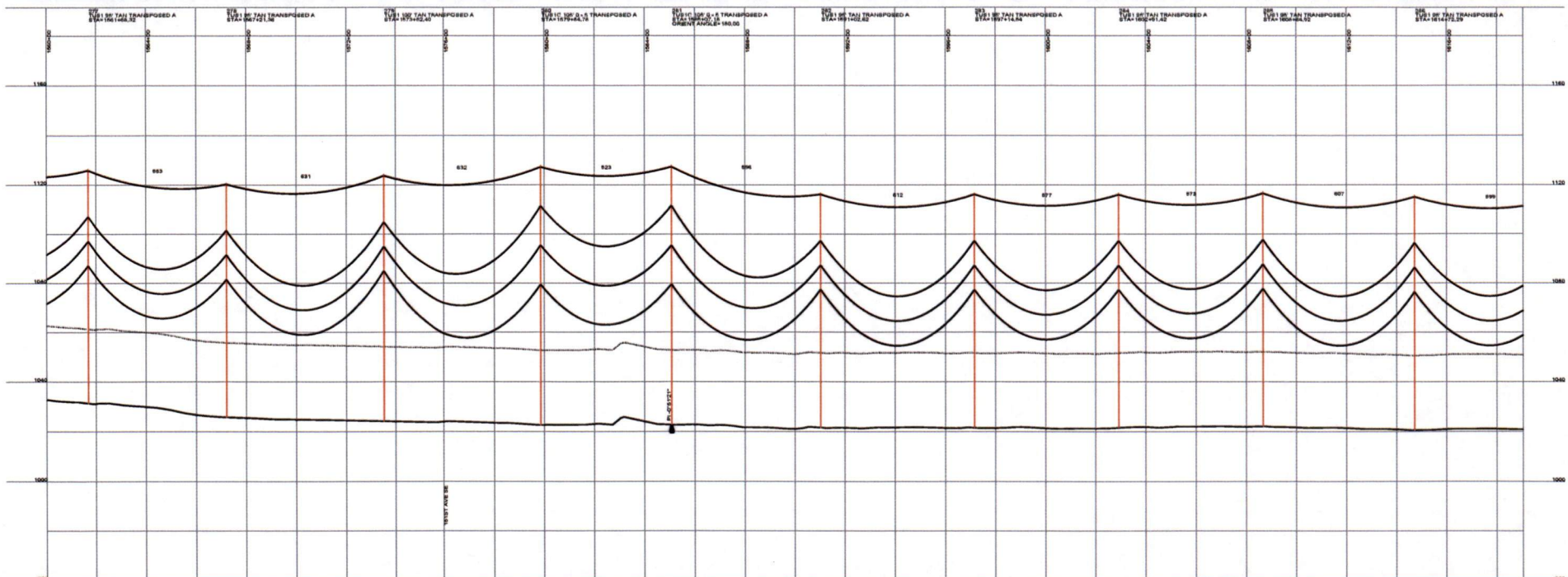
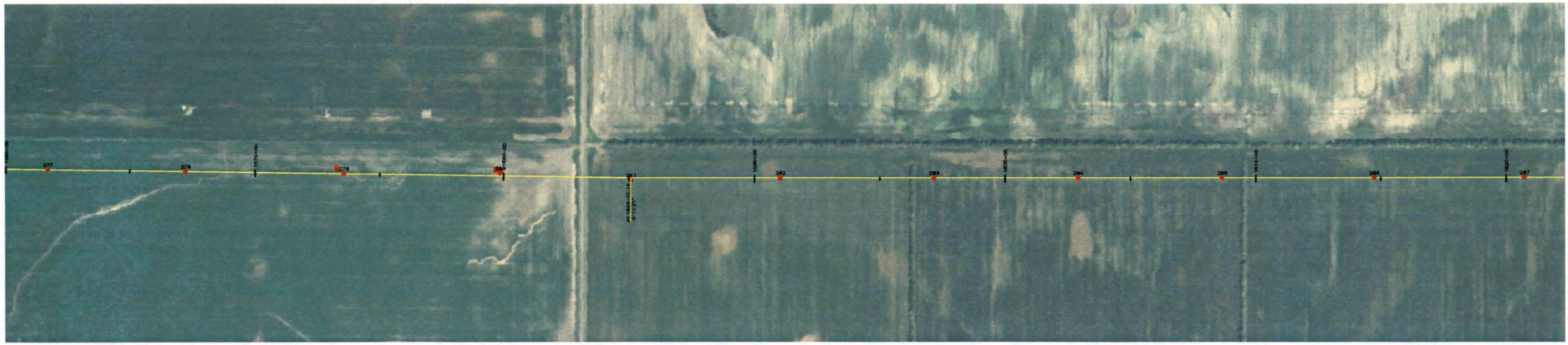
A STANLEY GROUP COMPANY
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 100.0 FT. HORIZ. SCALE
 1" = 10.0 FT. VERT. SCALE
 NORTH

WIND GENERATION TIE 35 OF 73



DESIGN CONDITIONS:
 0.465" OPDW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERRY"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DPTH
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION	TMP

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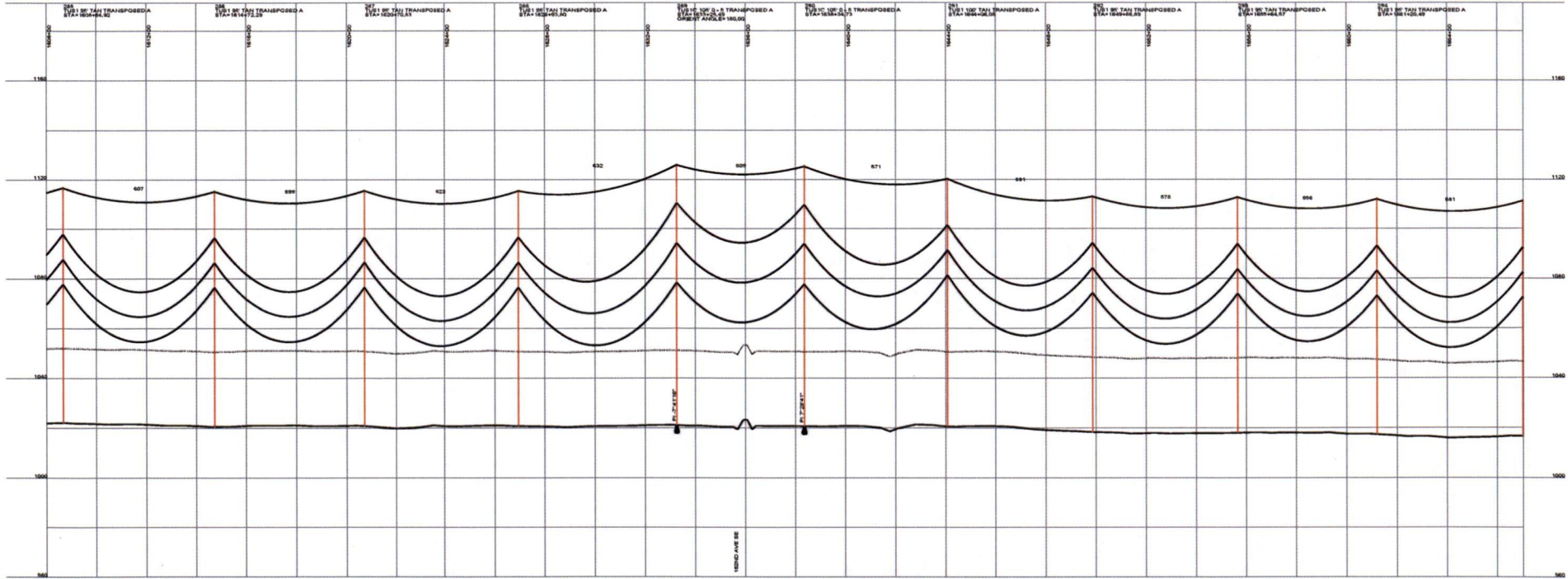
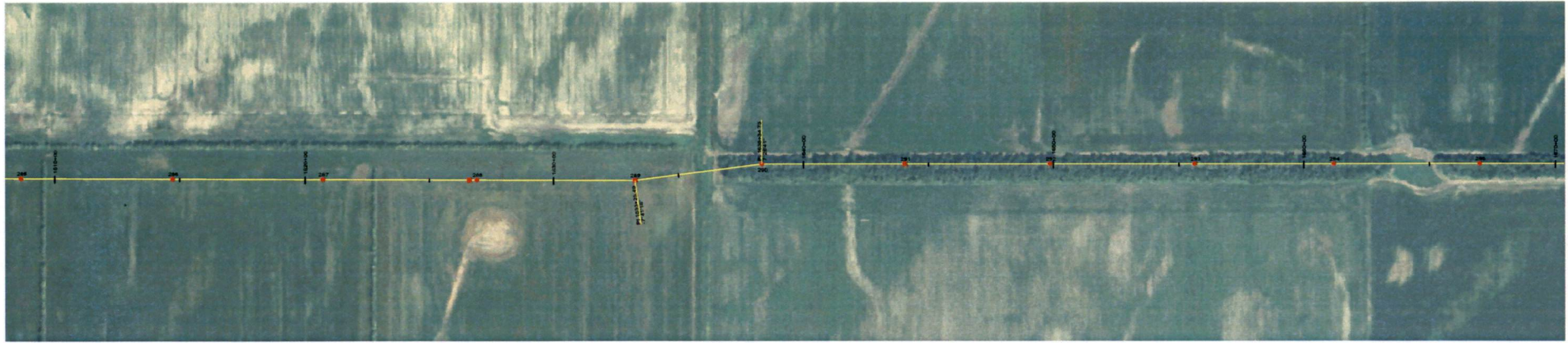
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 36 OF 73

800.0 FT. HORIZ. SCALE
 80.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS
 0.46% CROWN, 2.4 FIBER
 20% RTS @ -20 DEGREES F. INITIAL 30% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		



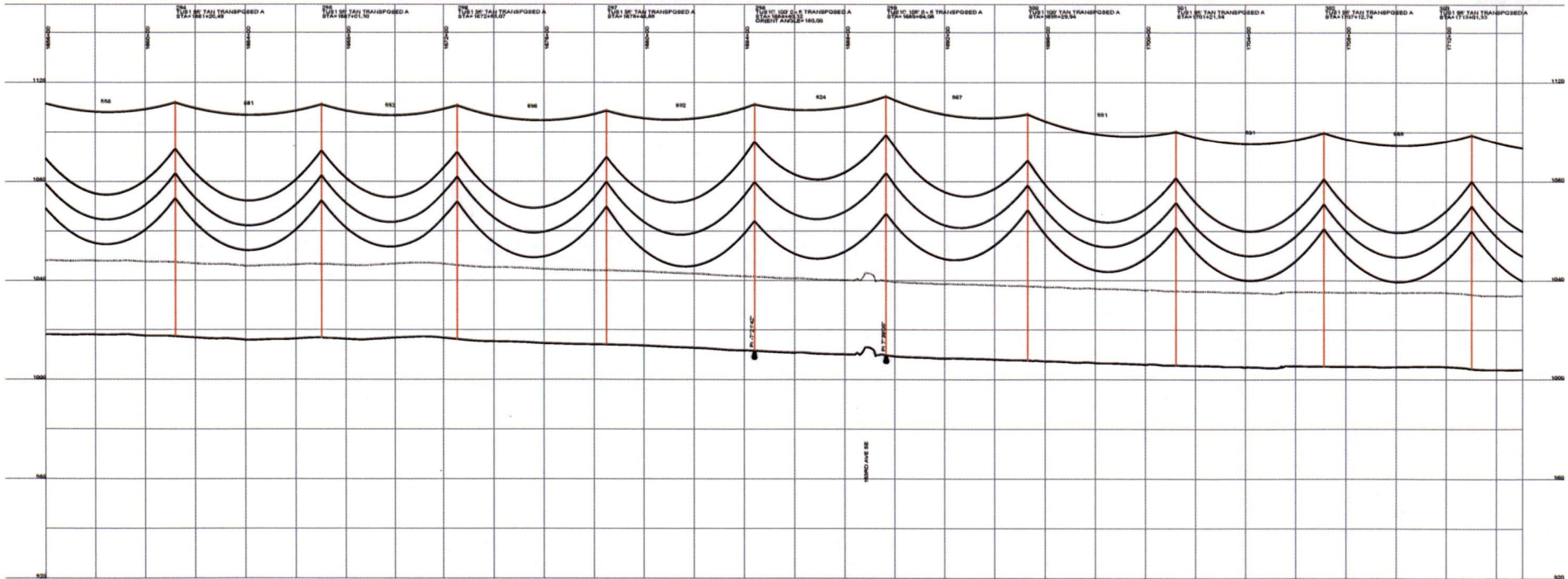
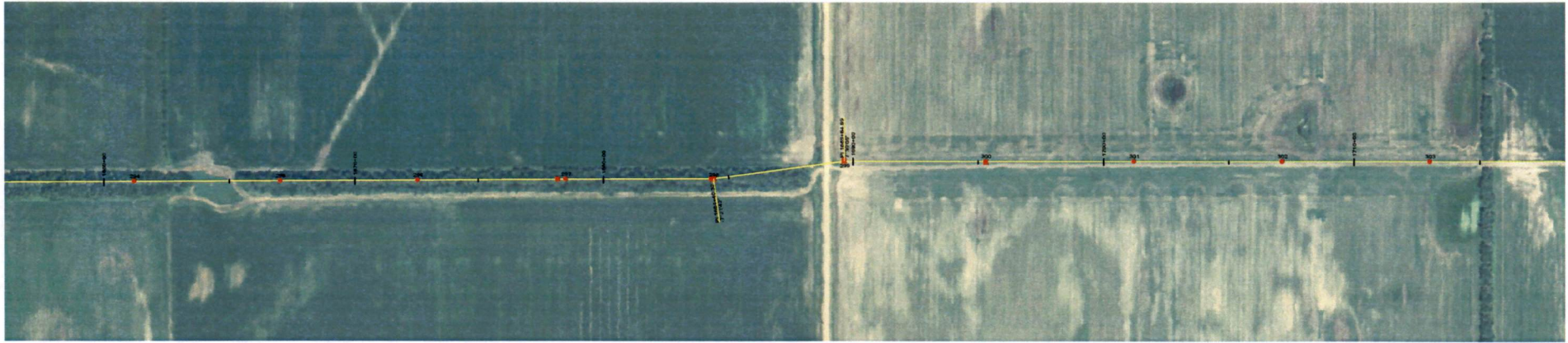
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 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGENMEYER
 DATE: 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND





DESIGN CONDITIONS
 0.465" OPW, 2-4 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LNE: 30'

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMP

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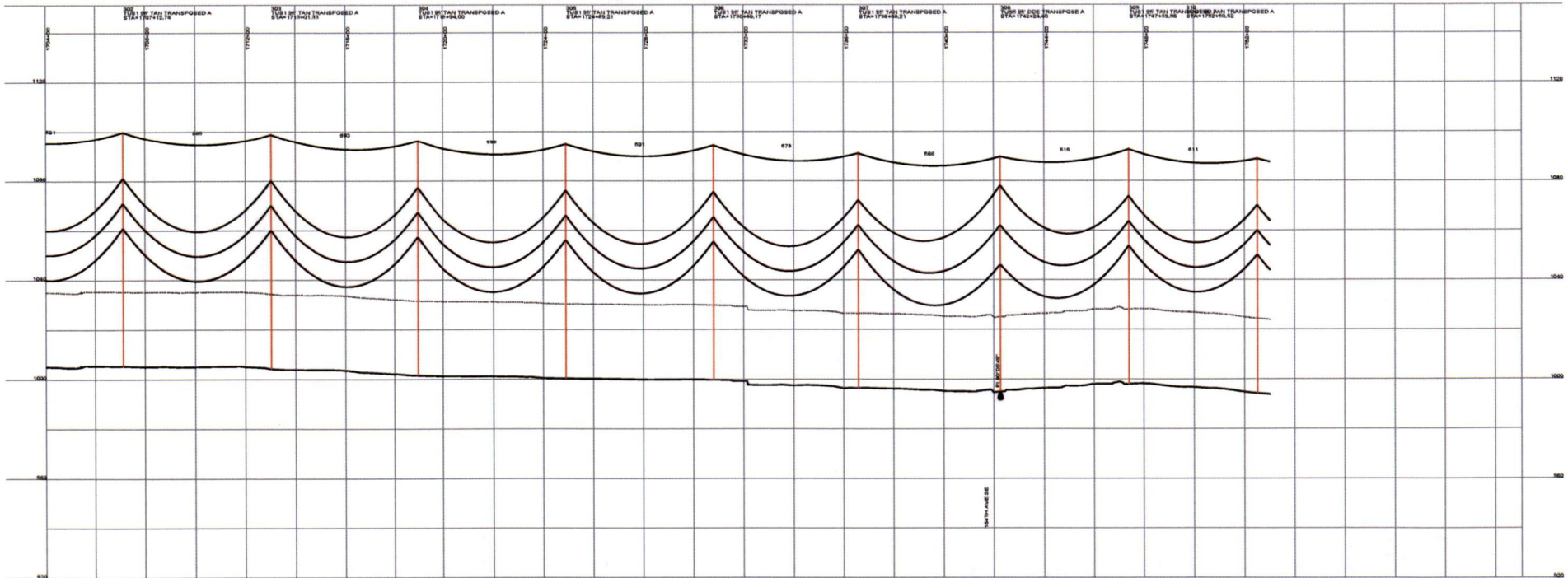
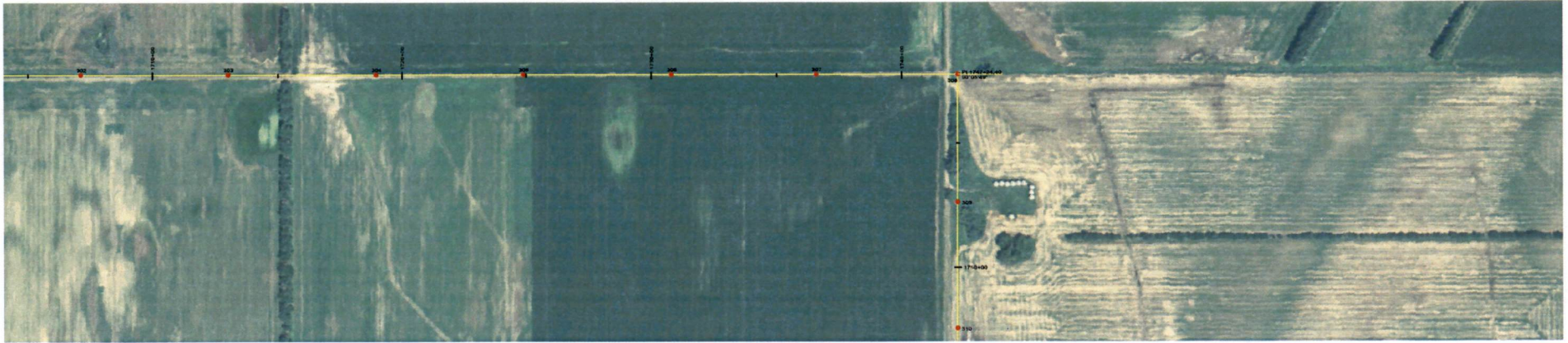
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

WIND GENERATION TIE 38 OF 73



DESIGN CONDITIONS:
 6.46" CROWN, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LANE: 30'

1272 ACBR 45/7 "BITTERN"



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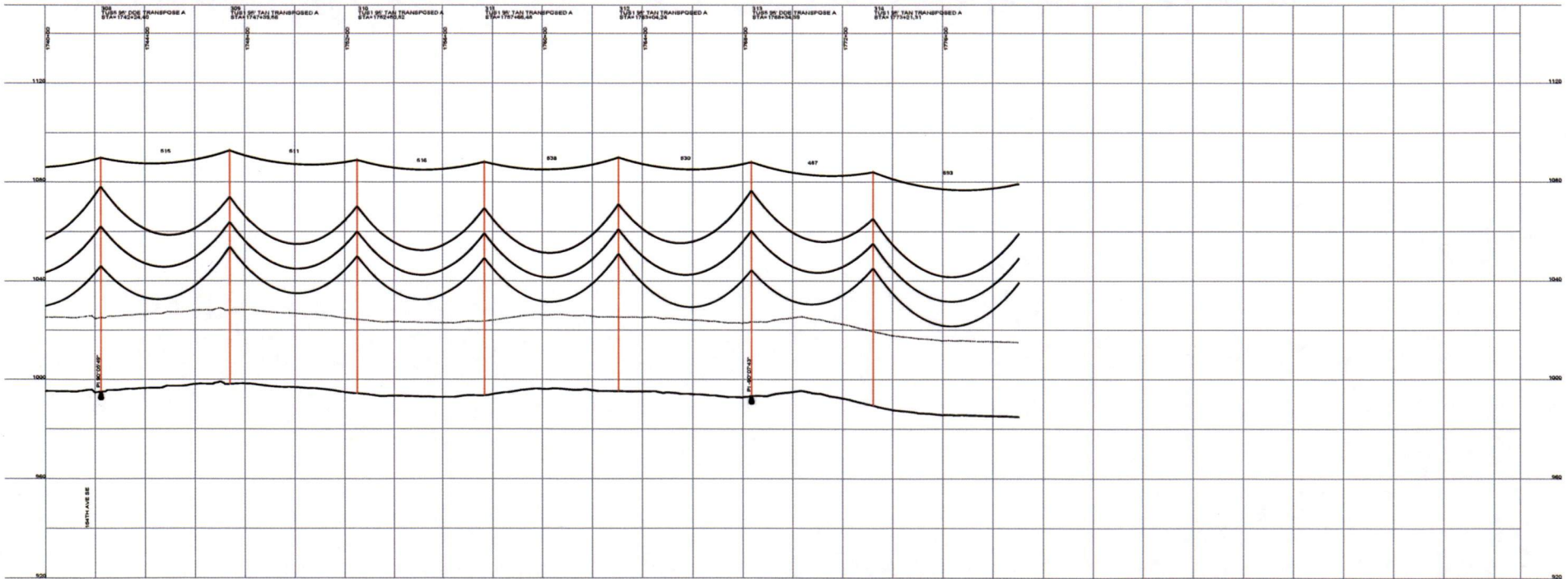
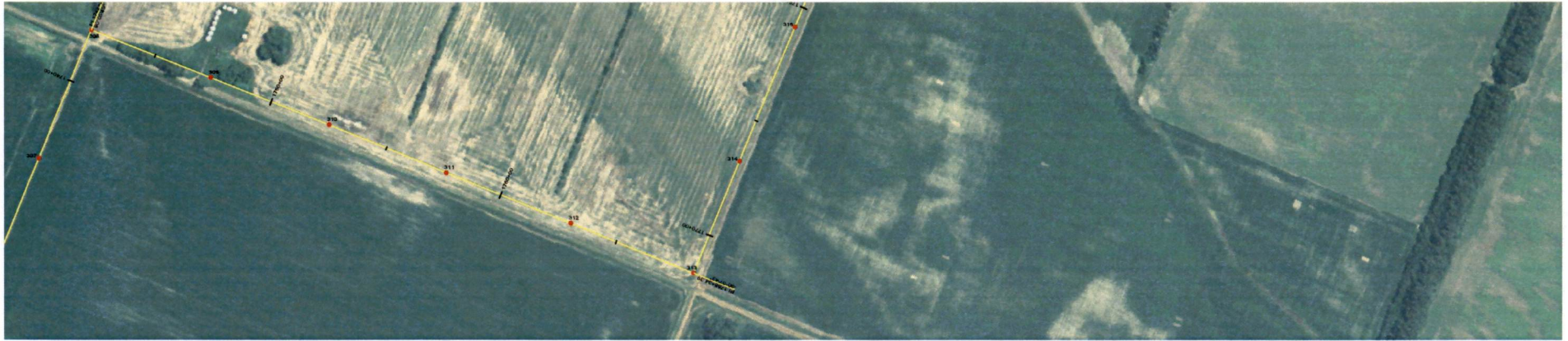
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND



WIND GENERATION TIE 39 OF 73

REV	DATE	APP	DESCRIPTION	DPTH	TMP
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		



DESIGN CONDITIONS:
 0.465" OPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHS: 30'

1272 ACBR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	TWP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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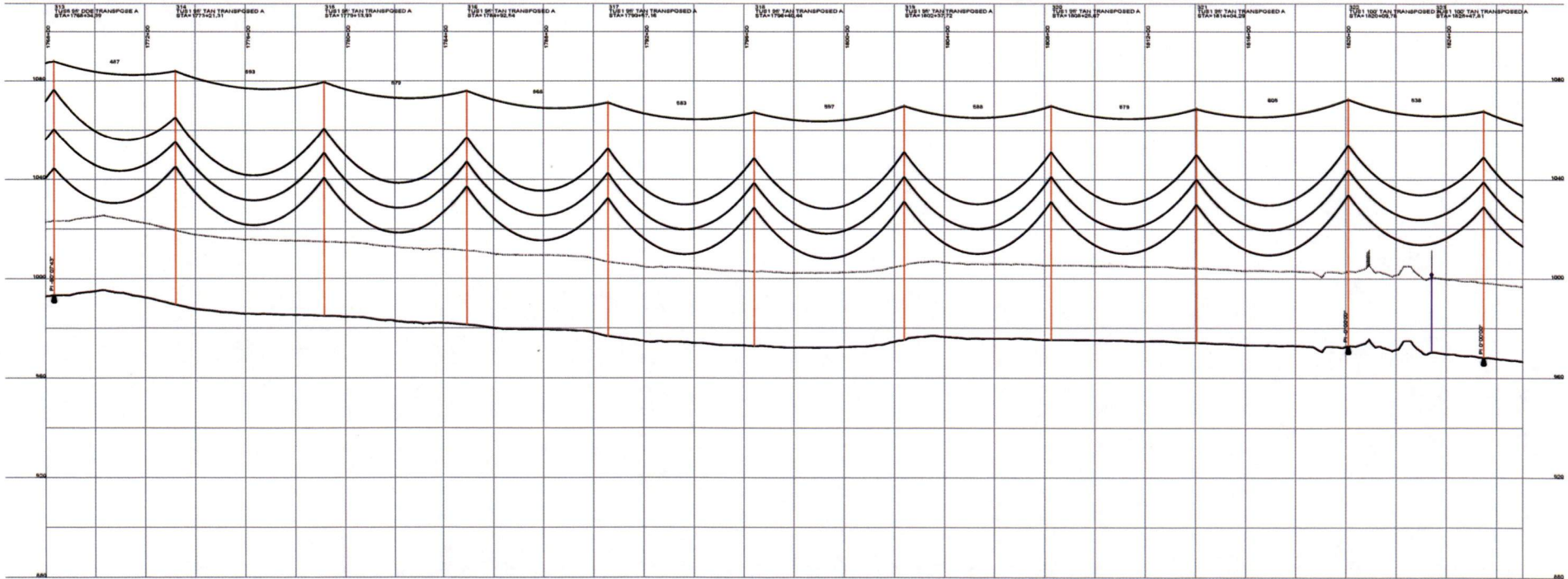
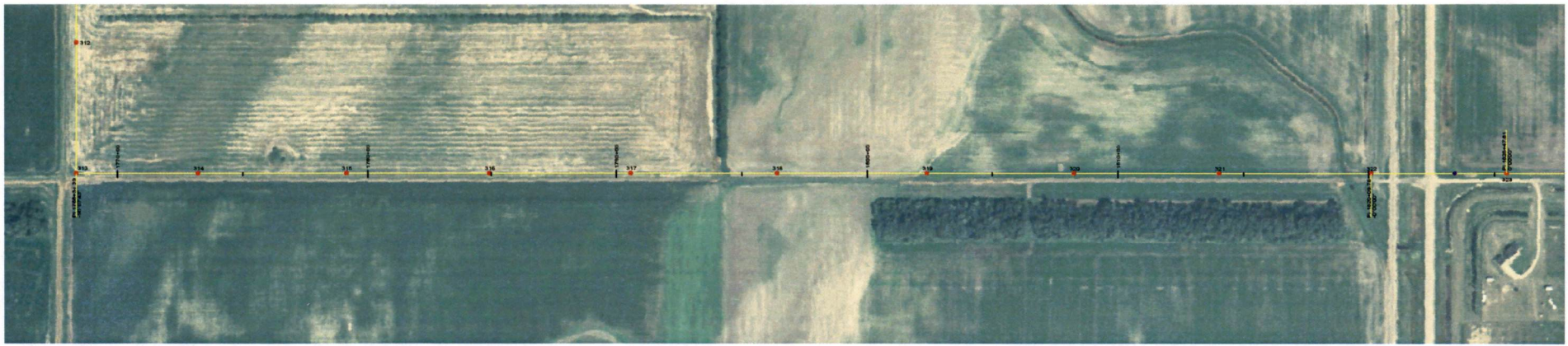
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

0.00 FT. HORIZ. SCALE
 20.0 FT. VERT. SCALE

WIND GENERATION TIE 40 OF 73



DESIGN CONDITIONS
 0.45% CROWN, 24 FISSER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TMR	DFTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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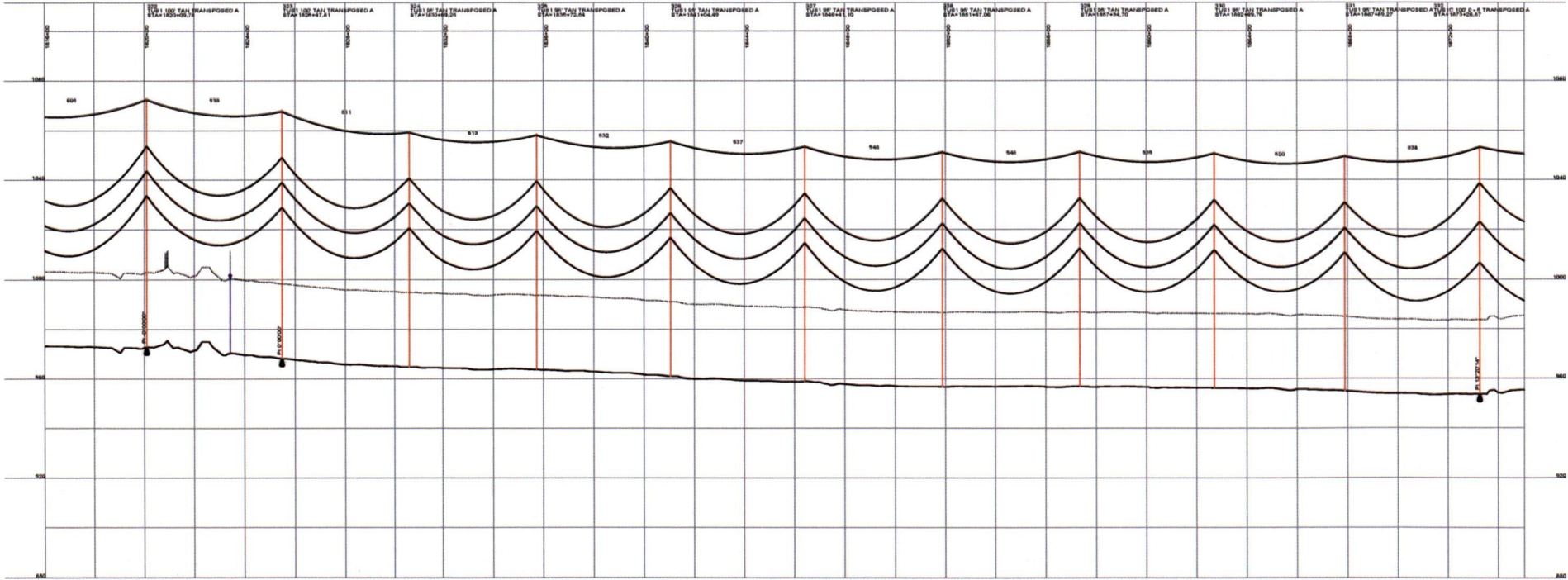
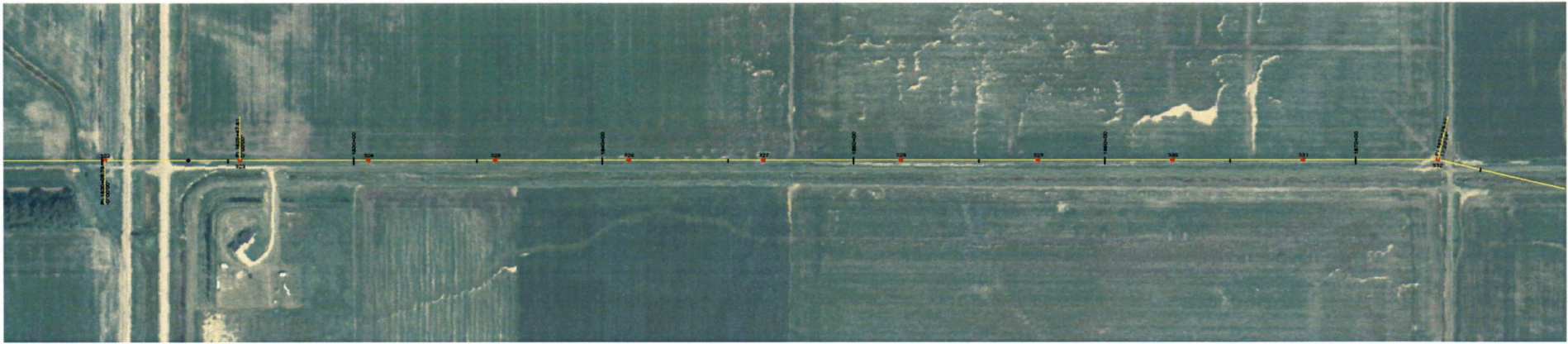
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 41 OF 73

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

NORTH



DESIGN CONDITIONS:
 0.45% CROW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	



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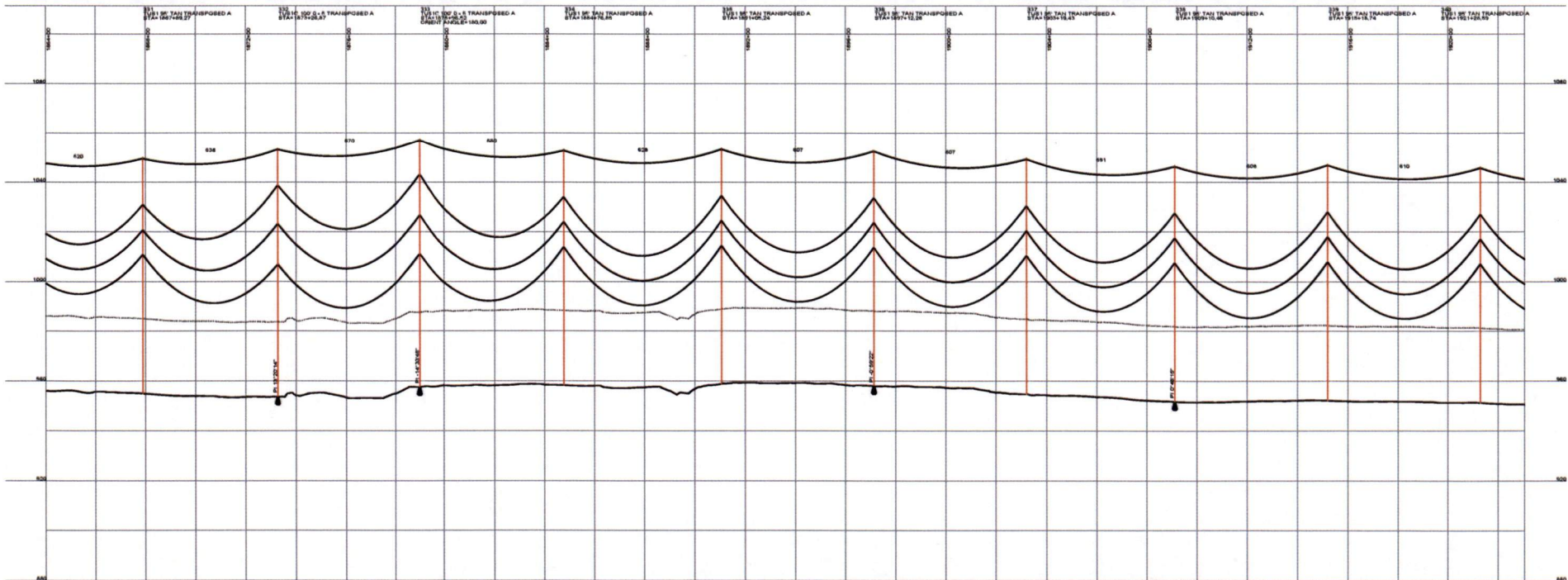
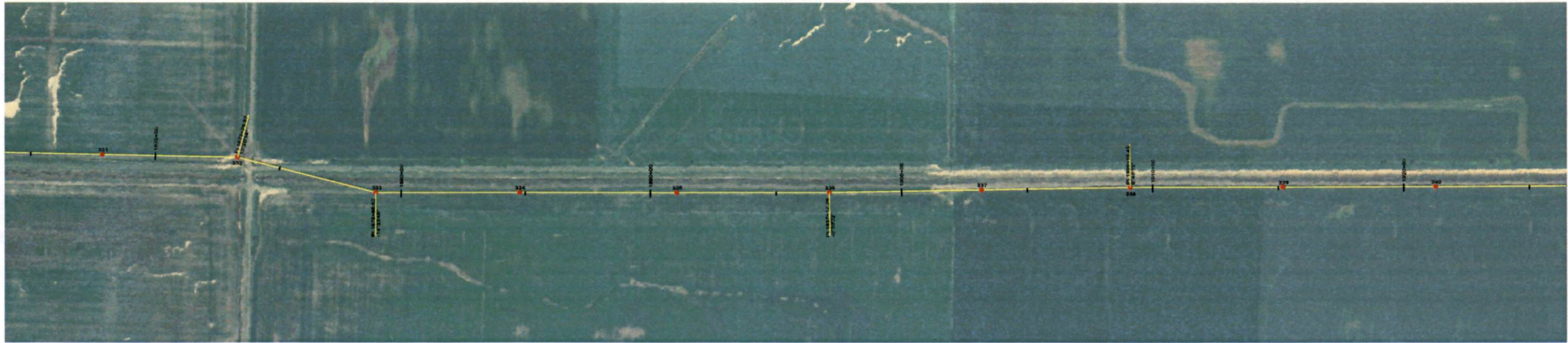
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 CHECKED H. DELLABOUGH
 APPROVED M. JURGENEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 42 OF 73



DESIGN CONDITIONS:
 0.4% CPGW, 2.4 FIBER
 20% RT8 @ -20 DEGREES F. INITIAL 20% RT8 @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	TMP	DTR
0	05/05/08	MFJ	ISSUED FOR CONSTRUCTION		

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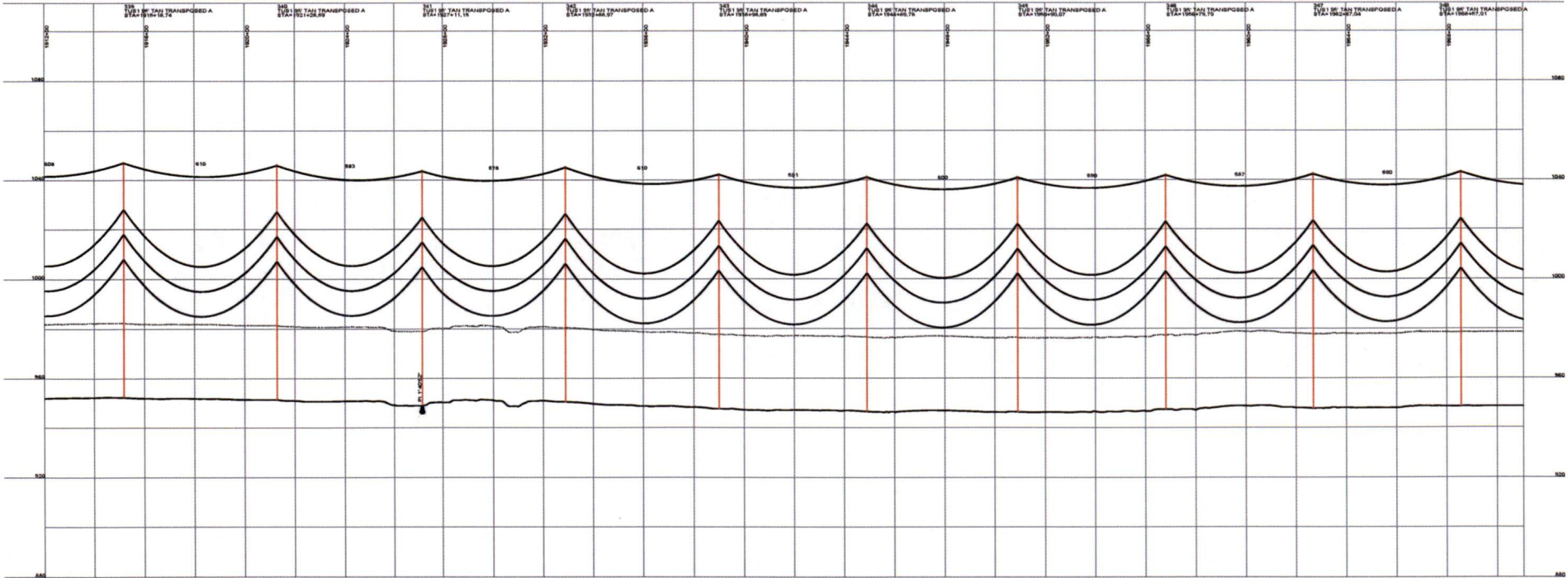
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

↑ NORTH

WIND GENERATION TIE 43 OF 73



DESIGN CONDITIONS:
 0.455' CROWN, 24 FIBER
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LPIE: 30'

1272 ACBR 45/7 "BATTERY"

REV	DATE	APP	DESCRIPTION	DFT
0	06/08/08	MPJ	ISSUED FOR CONSTRUCTION	TMP



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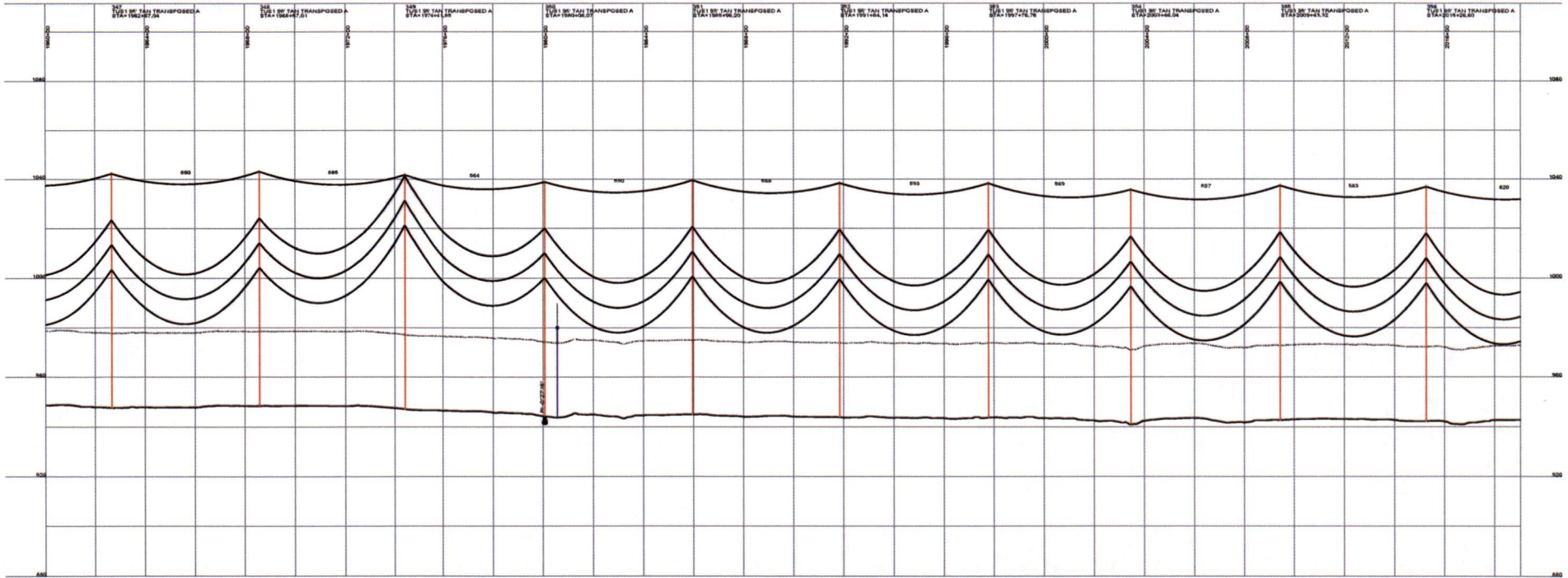
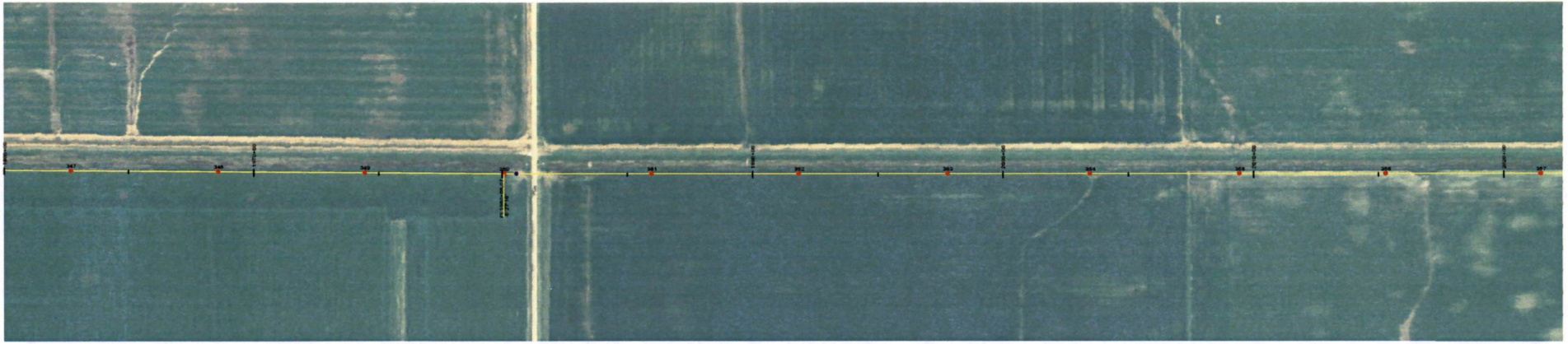
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/08/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 60.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 44 OF 73



DESIGN CONDITIONS
 0.45% CROWN, 24 FEET
 20% RTS @ -30 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"
 20% RTS @ -30 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DFTN
0		GEORGE MFJ	ISSUED FOR CONSTRUCTION	TMF



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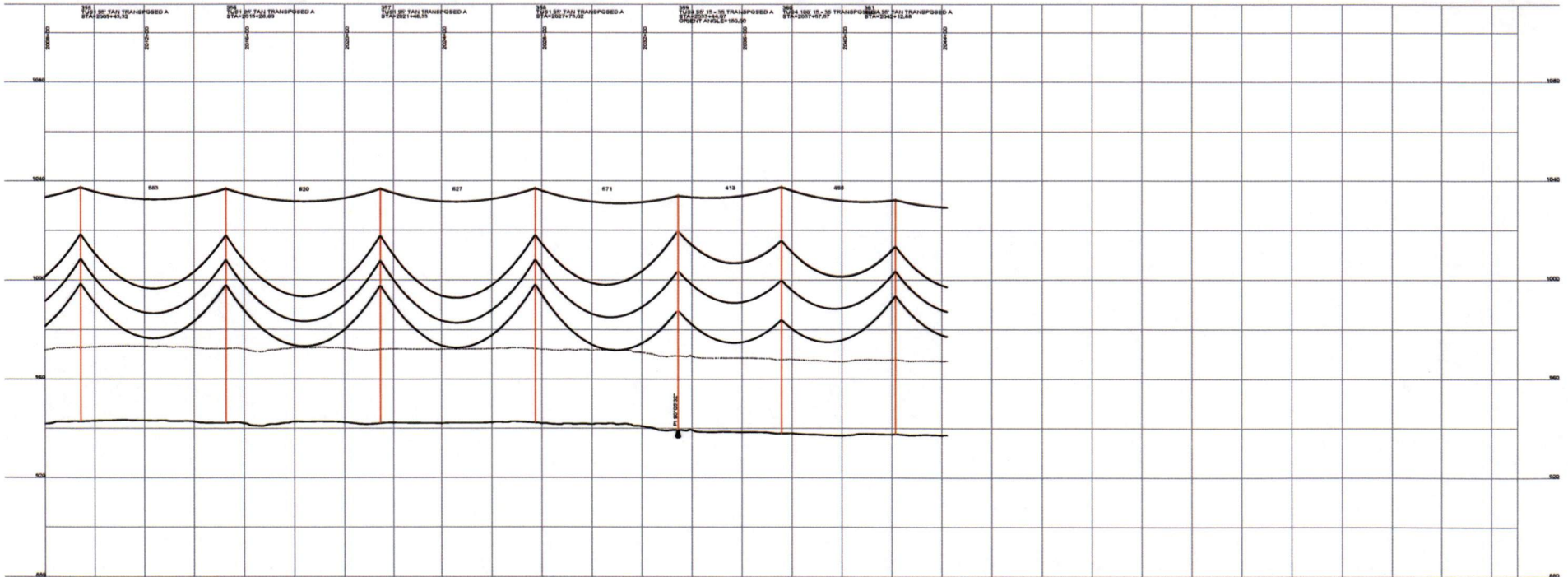
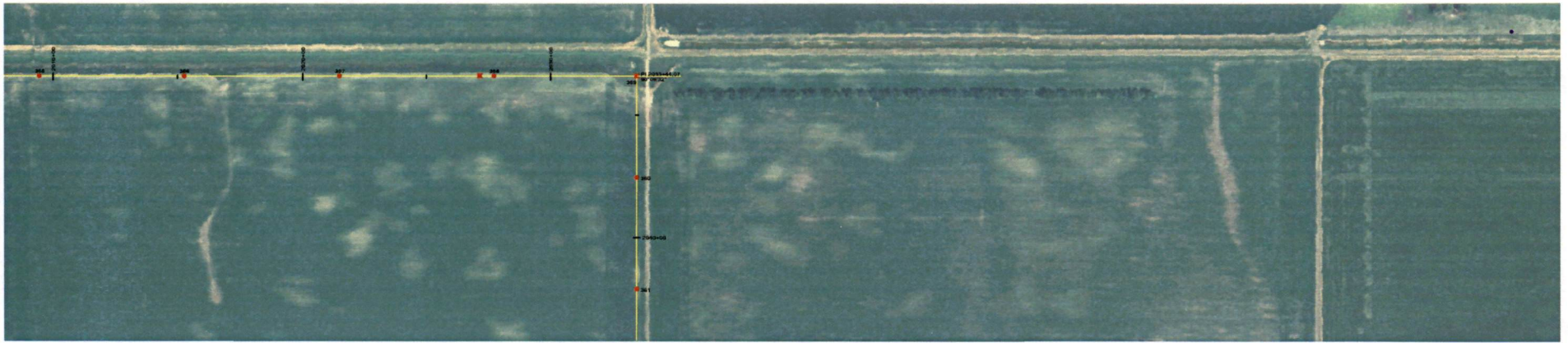
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 100.0 FT. HORIZ. SCALE
 1" = 10.0 FT. VERT. SCALE
 NORTH

WIND GENERATION TIE 45 OF 73



DESIGN CONDITIONS:
 0.465" OPGW, 24 FIBER 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DFTN
0	06/06/08	MPJ	ISSUED FOR CONSTRUCTION		

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 SUITE 400
 ENGLEWOOD, CO 80112

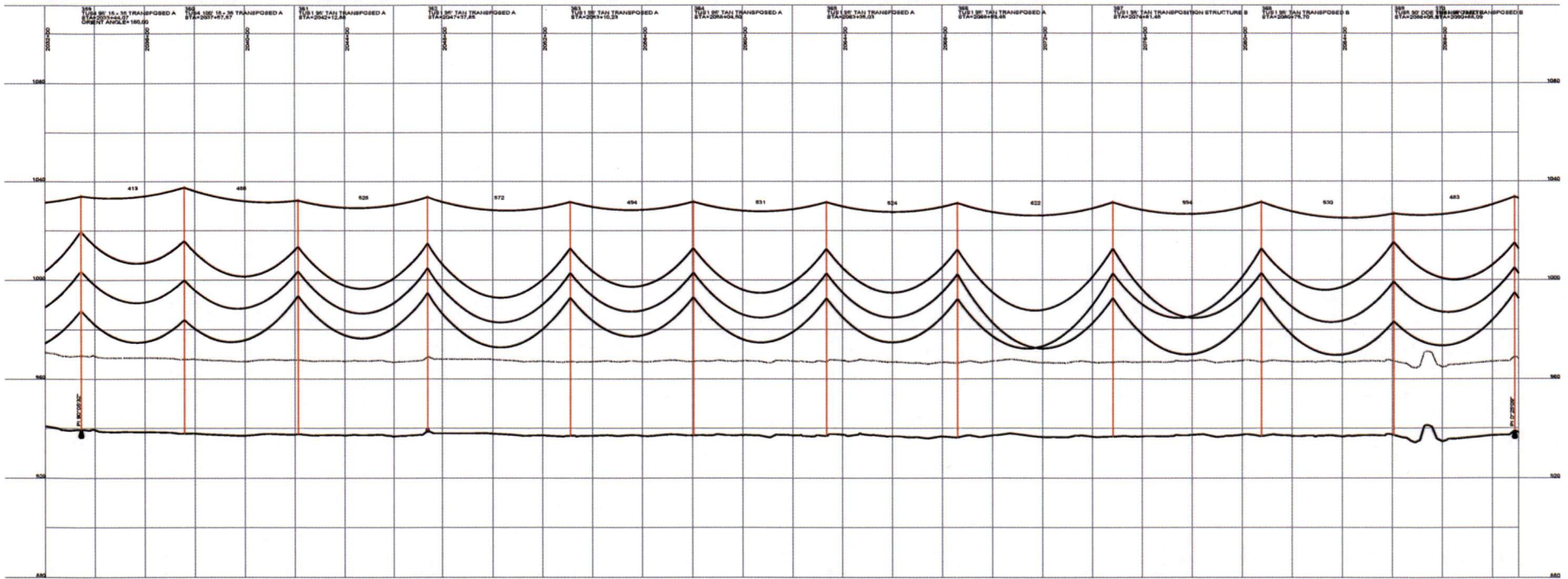
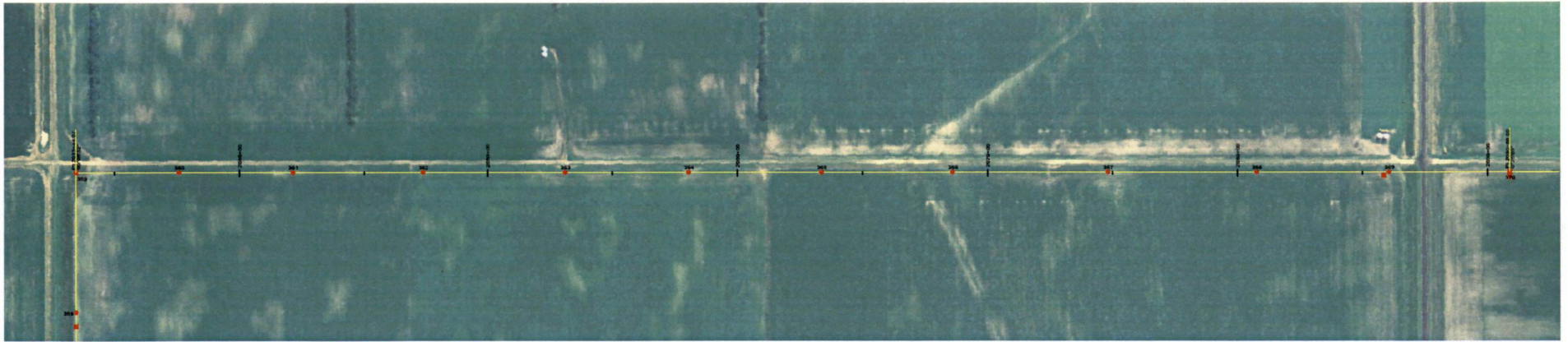
DESIGNED: T. FRANCIS
 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGENMEYER
 DATE: 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 46 OF 73

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS:
 0.4% CROWN, 24' FIBER
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TMF	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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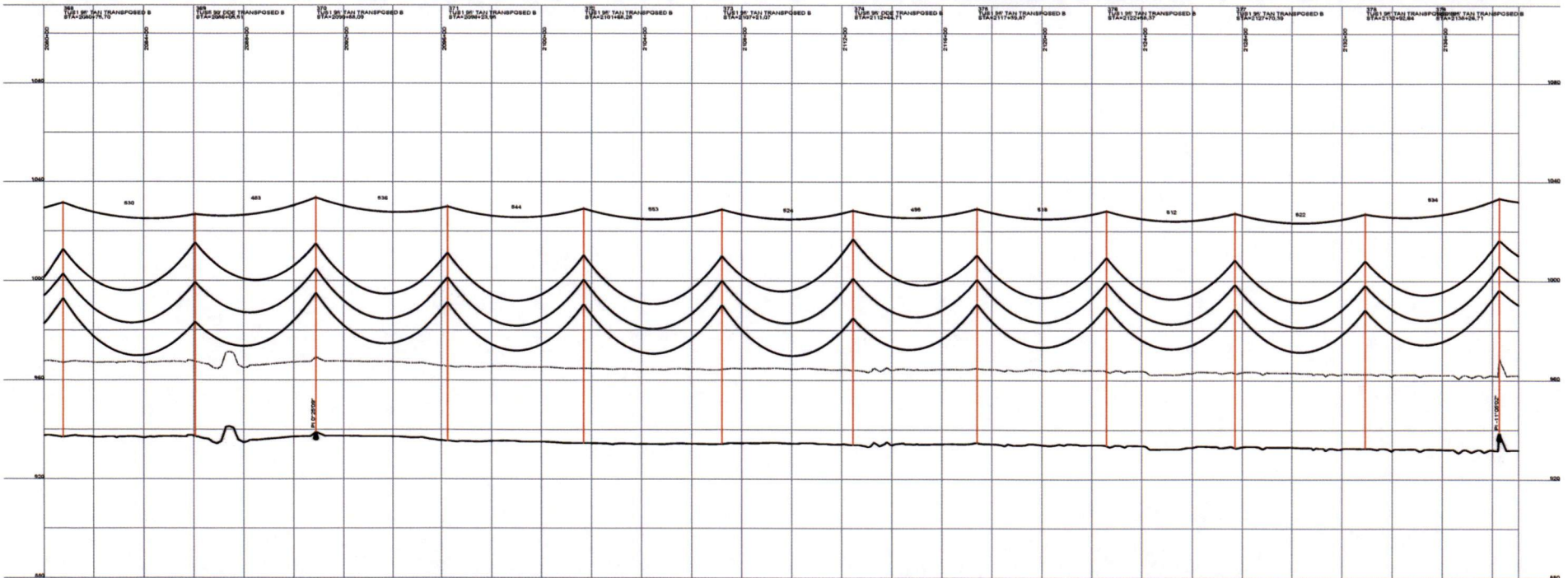
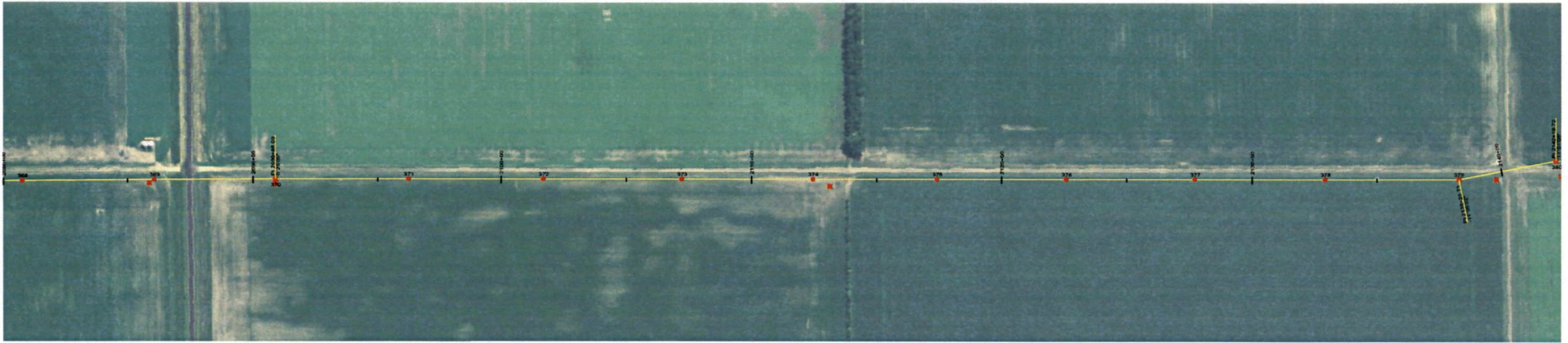
9200 E. MINERAL AVE.
 SUITE 400
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. BURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 47 OF 73



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER 1272 ACSR 45/7 "BT TERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTR
0	06/08/08	MFJ	ISSUED FOR CONSTRUCTION		

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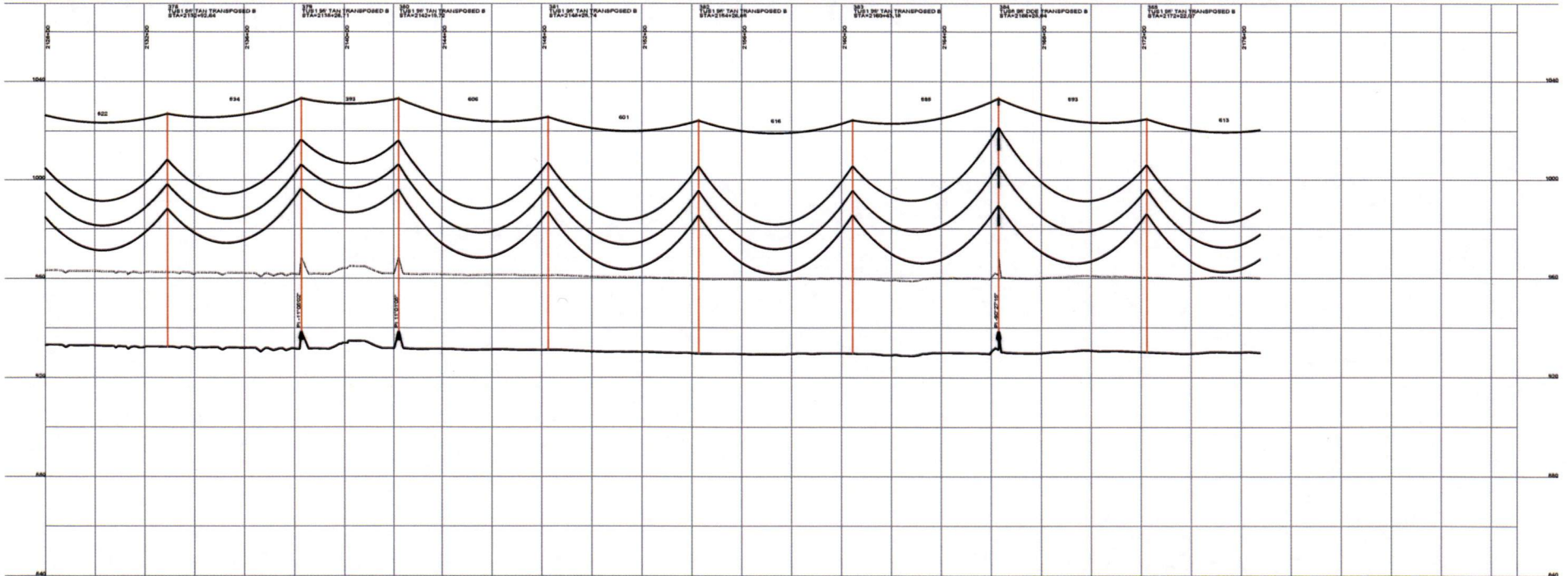
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 APPROVED M. BURGENMEYER
 DATE 06/08/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 450.0 FT. VERT. SCALE

WIND GENERATION TIE 48 OF 73



DESIGN CONDITIONS:
 0.455' CROWN, 24' FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LPIE: 30'

1272 ACBR 45/7 "BITTERR"
 20% RTS @ -20 DEGREES F. INITIAL



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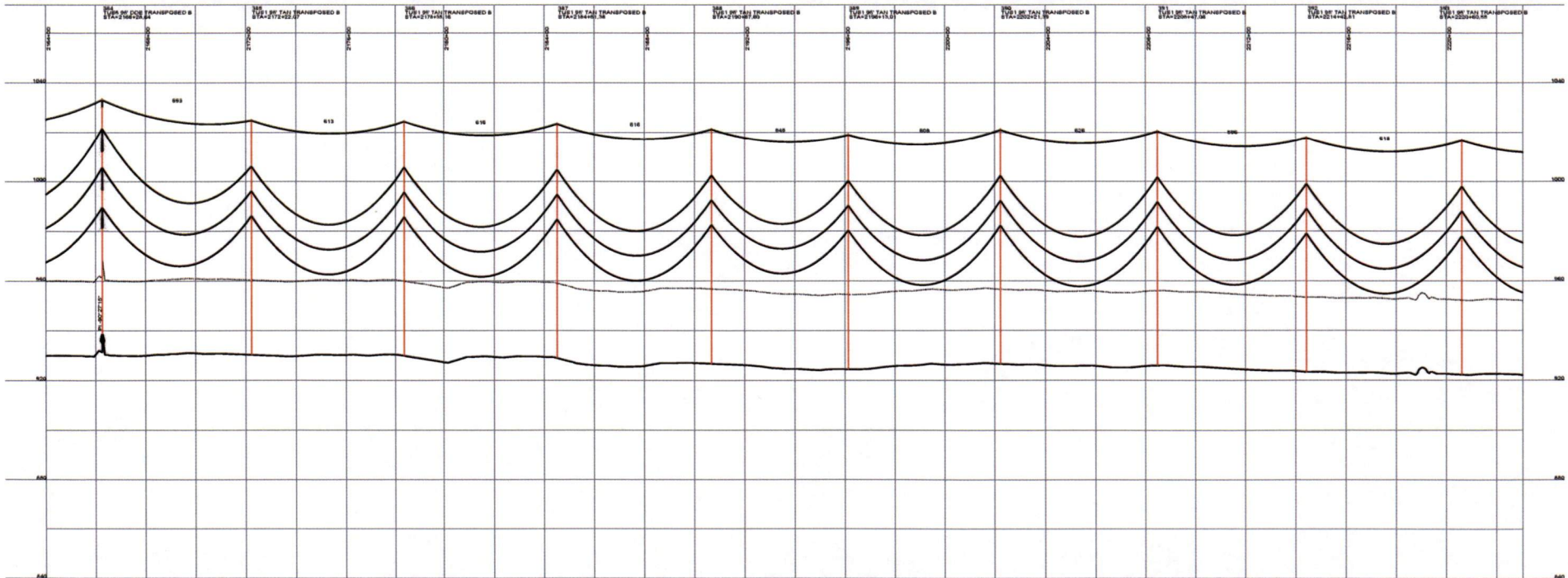
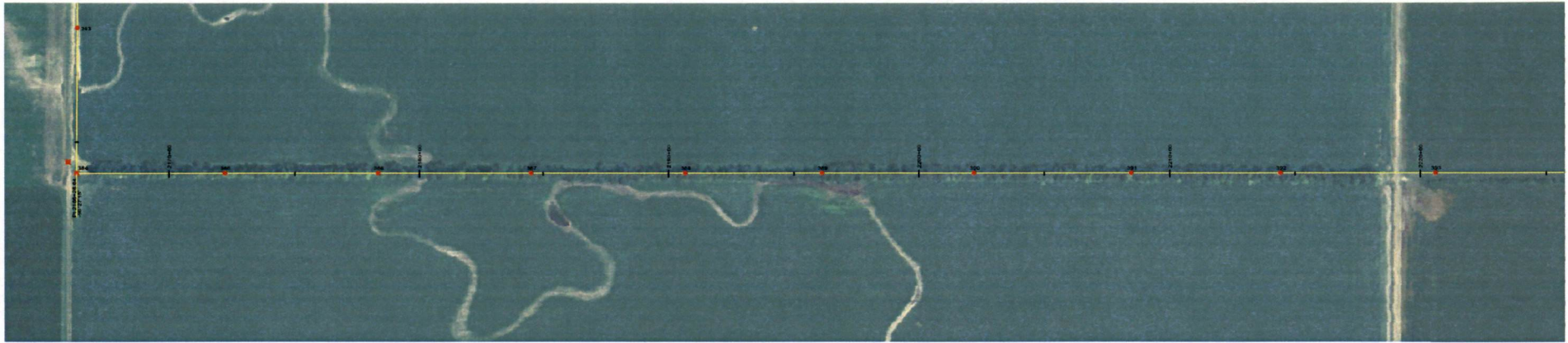
DESIGNED: T. FRANCIS
 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGEMEYER
 APPROVED: _____
 DATE: 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 40.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 49 OF 73

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MPJ	ISSUED FOR CONSTRUCTION	TMP



DESIGN CONDITIONS
 0.465" OPW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHM: 30'

1272 ACSR 45/7 "BITTERN"

REV	DATE	APP	DESCRIPTION	DPTH	TMP
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		

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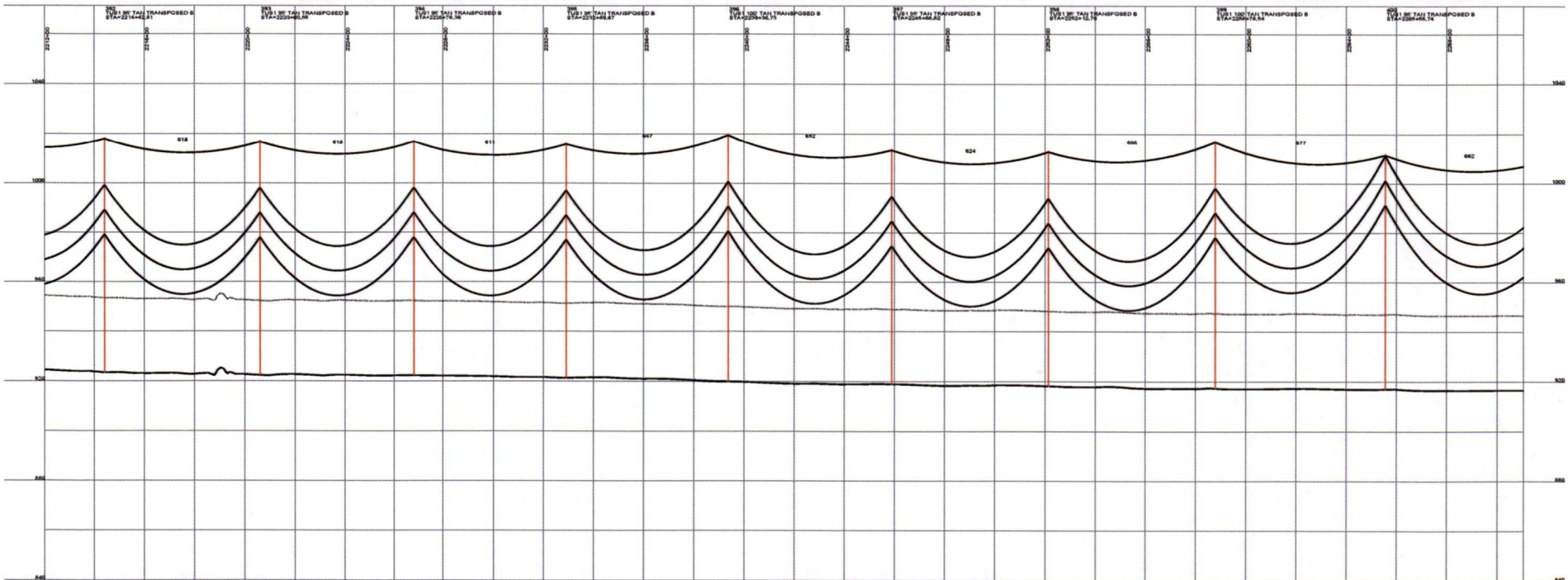
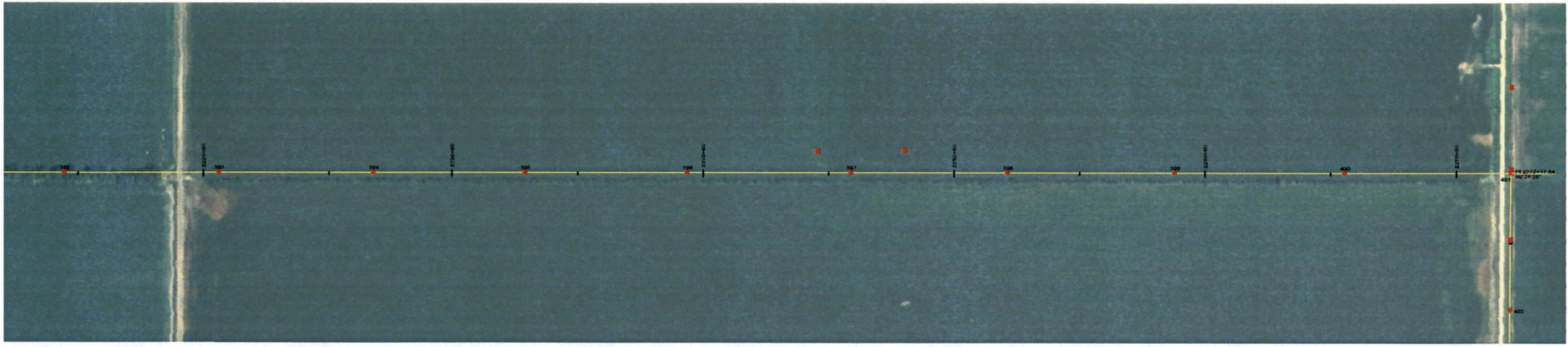
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

400.0 FT. HORIZ. SCALE
 20.0 FT. VERT. SCALE

↑ NORTH

WIND GENERATION TIE 50 OF 73



DESIGN CONDITIONS:
 0.465' OPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"

20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DFTR	TMP
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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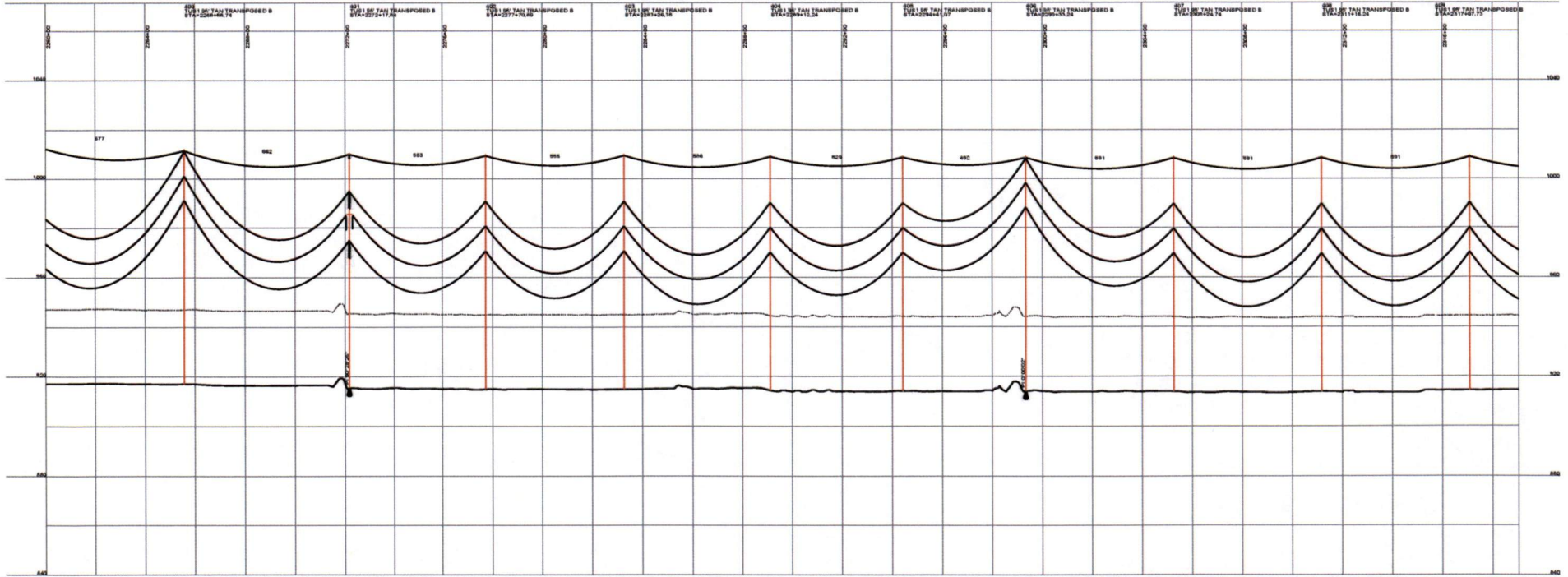
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

0.005 FT. HORIZ. SCALE
 0.0 FT. VERT. SCALE

WIND GENERATION TIE 51 OF 73



DESIGN CONDITIONS
 0.45% GROW, 24 FIBER
 1272 ACSR 45/7 "BITEFN"
 20% RTS @ -20 DEGREES F, INITIAL
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TMP	DFT
0	06/04/08	MFJ	ISSUED FOR CONSTRUCTION		



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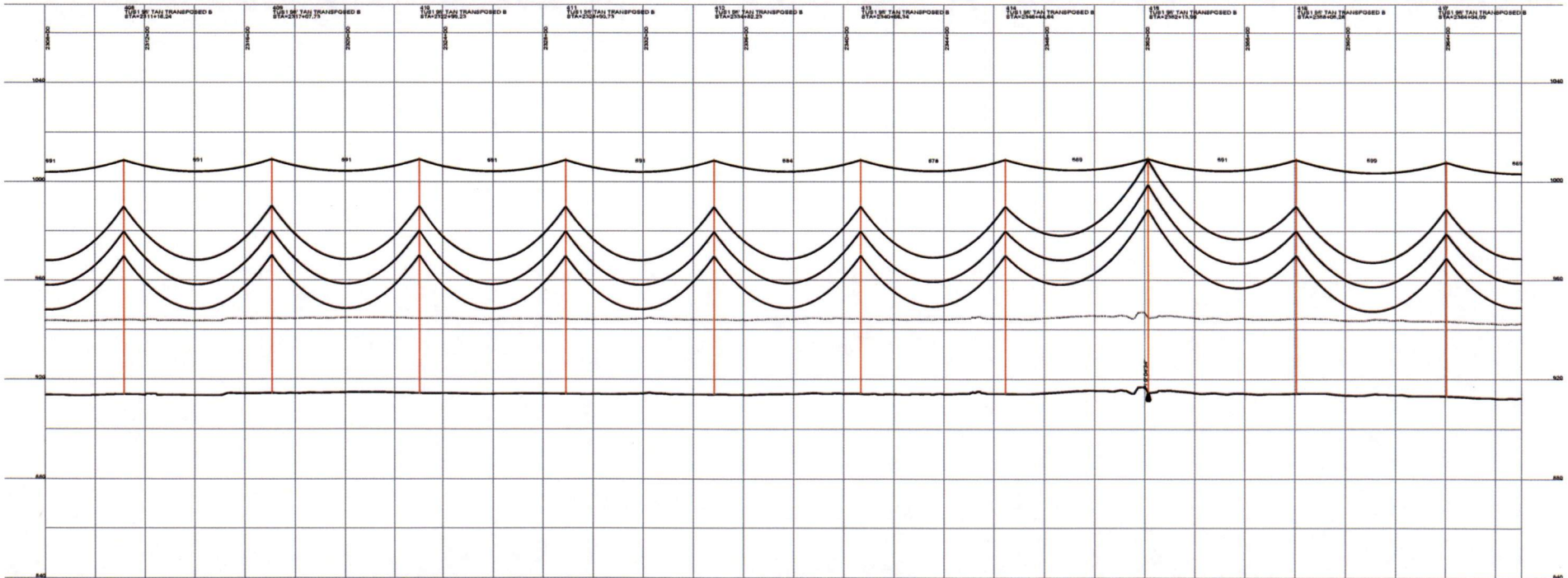
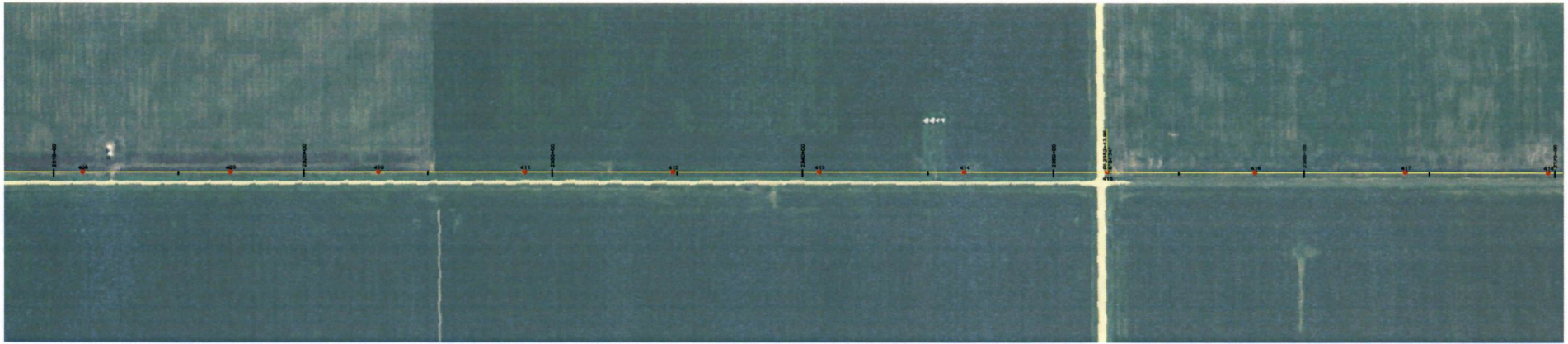
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 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 52 OF 73



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHS: 30'

1273 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TWP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		



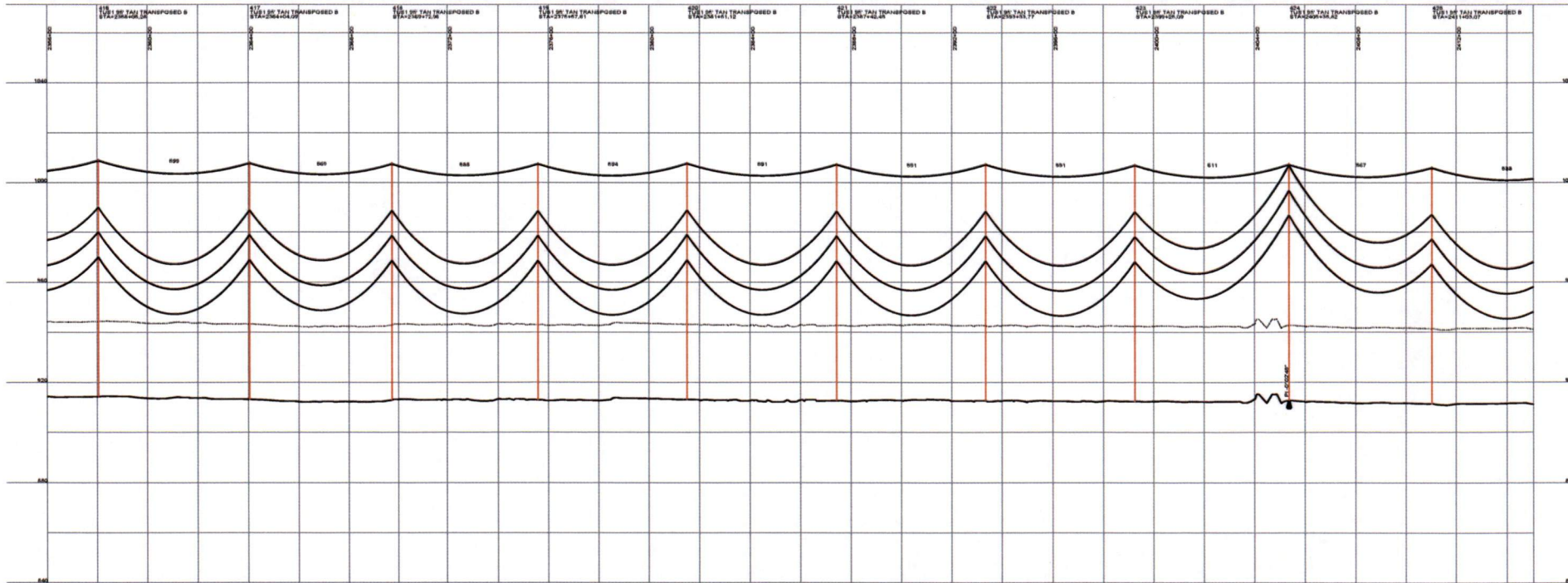
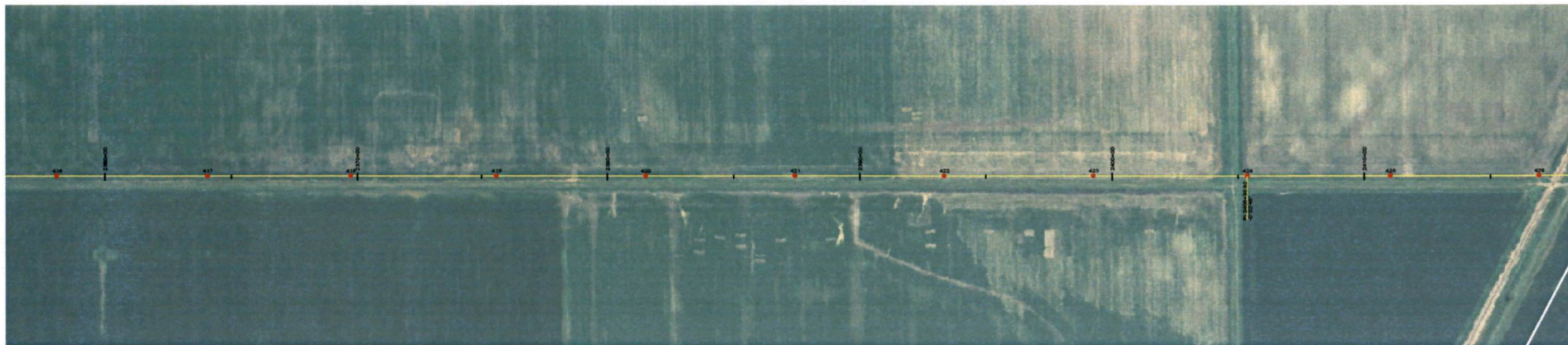
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 SUITE 400
 ENGLEWOOD, CO 80112

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

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND





DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER 1272 ACSR 48/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DTF
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	TMF



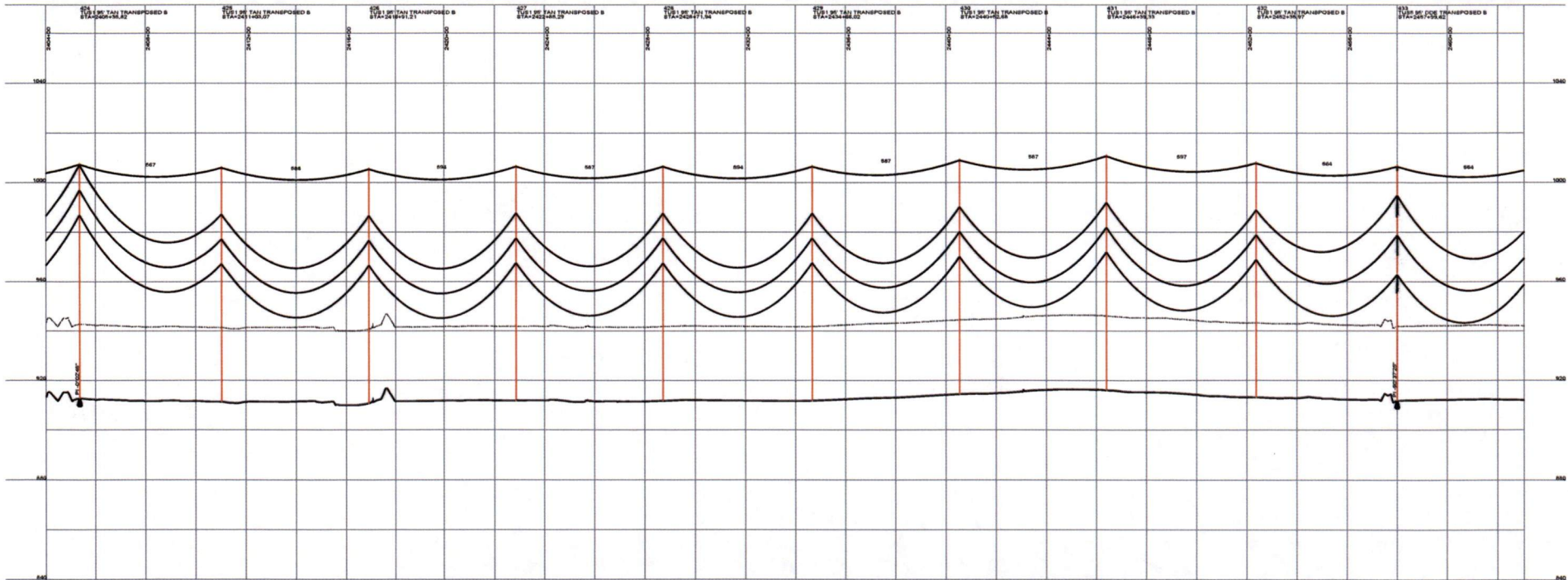
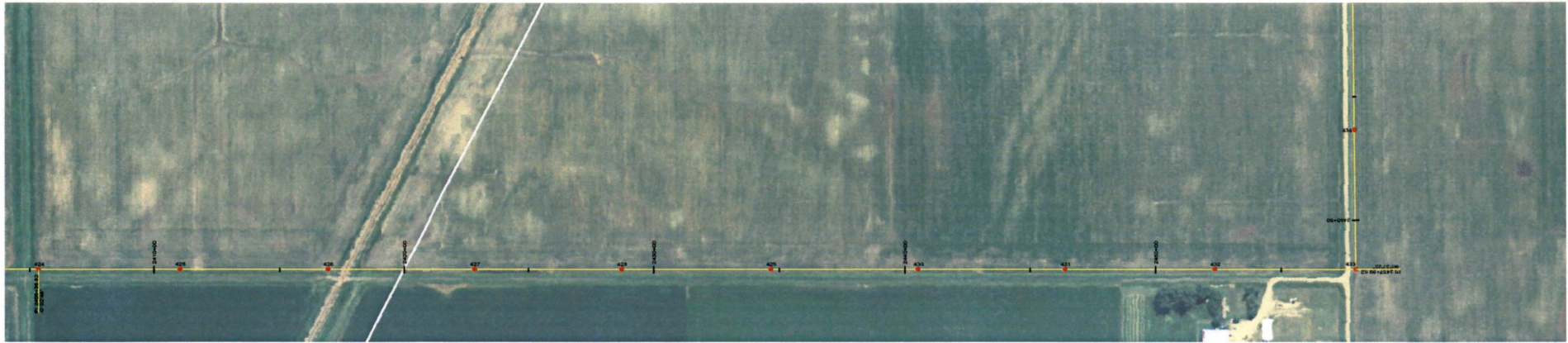
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 54 OF 73



DESIGN CONDITIONS
 0.465" OPGW, 2-4 FIBER 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTR
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		



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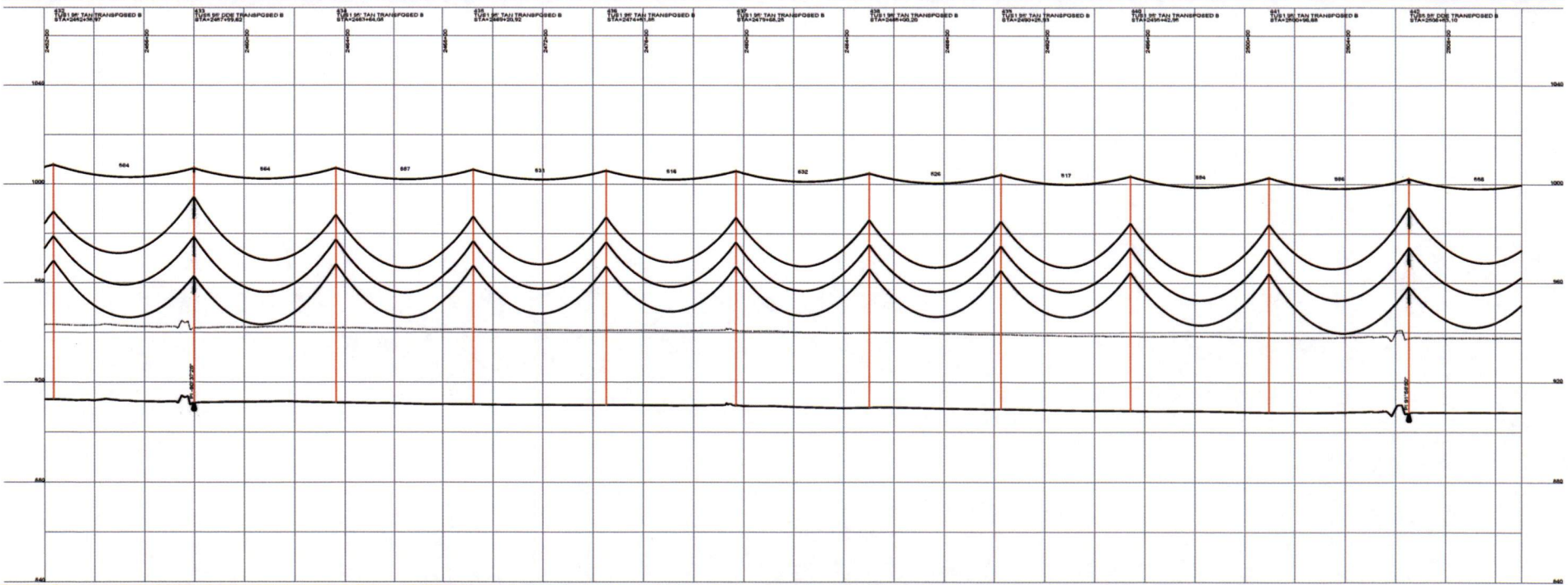
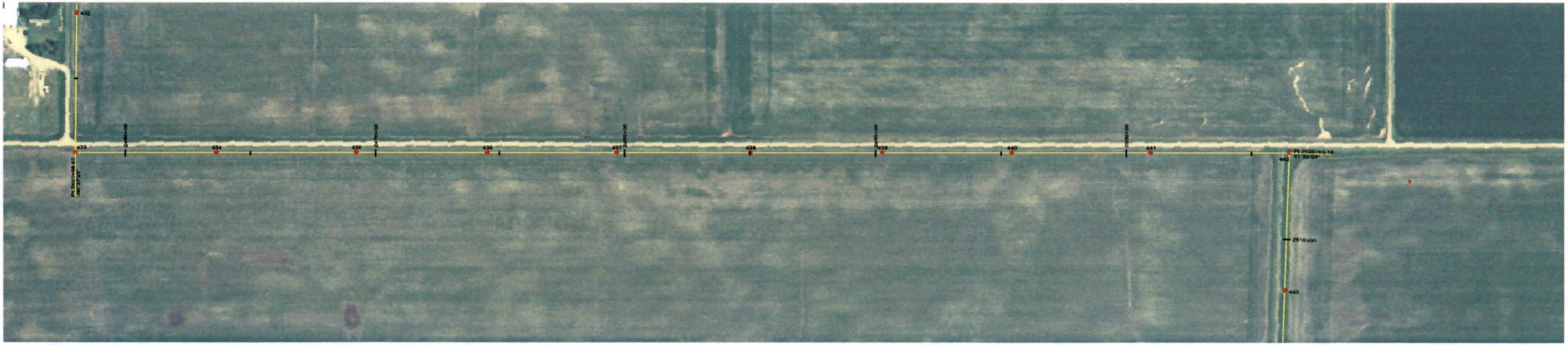
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 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGENMEYER
 DATE: 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

0.00 FT. HORIZ. SCALE
 0.00 FT. VERT. SCALE

WIND GENERATION TIE 55 OF 73



DESIGN CONDITIONS:
 0.4% CROWN, 24' FIBER
 20% RT8 @ -20 DEGREES F. INITIAL 20% RT8 @ -20 DEGREES F. INITIAL
 CLEARANCE LHM: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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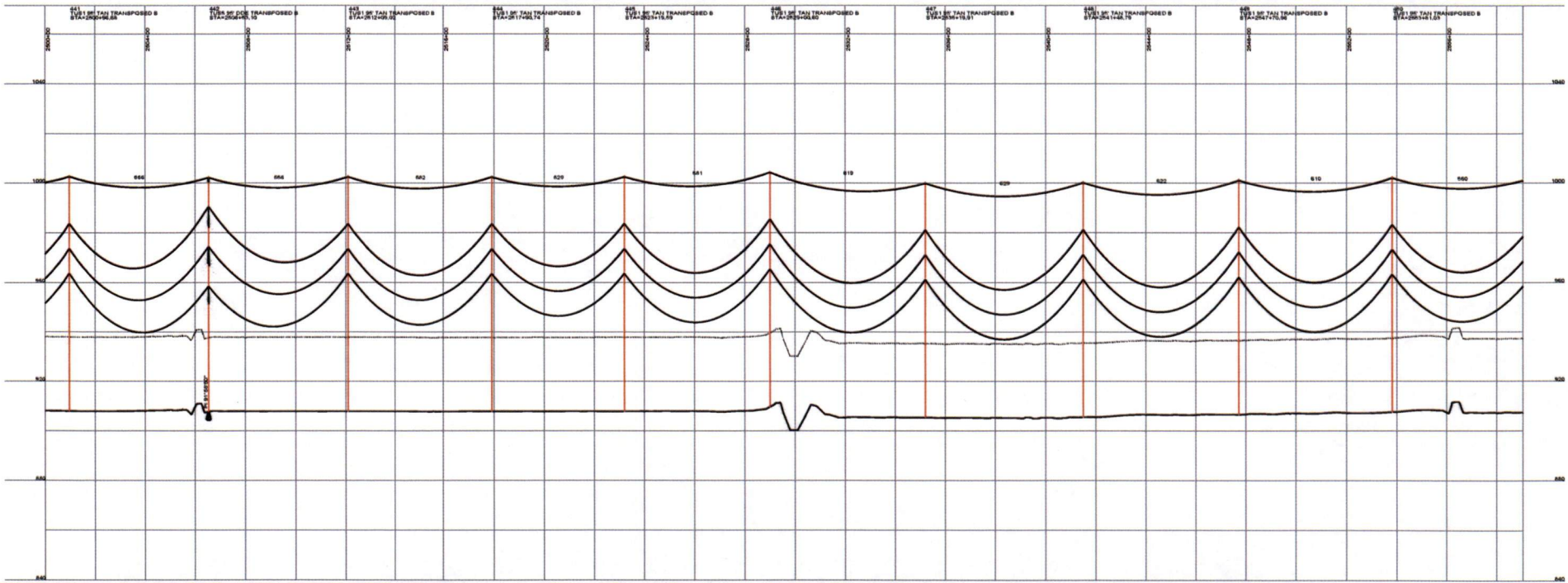
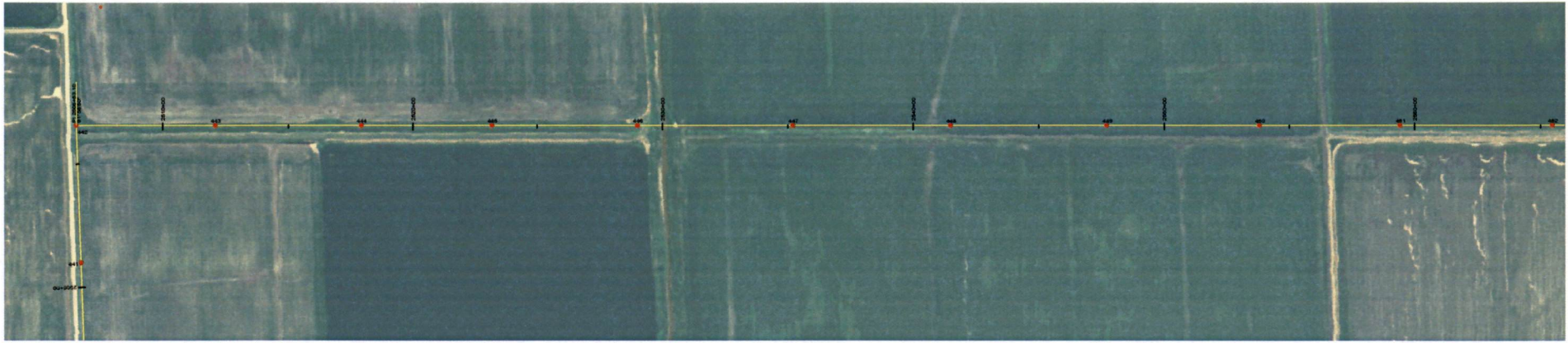
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 800.0 FT. HORIZ. SCALE
 1" = 10.0 FT. VERT. SCALE

WIND GENERATION TIE 56 OF 73



DESIGN CONDITIONS
 0.45% GRW, 24 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LHM 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		



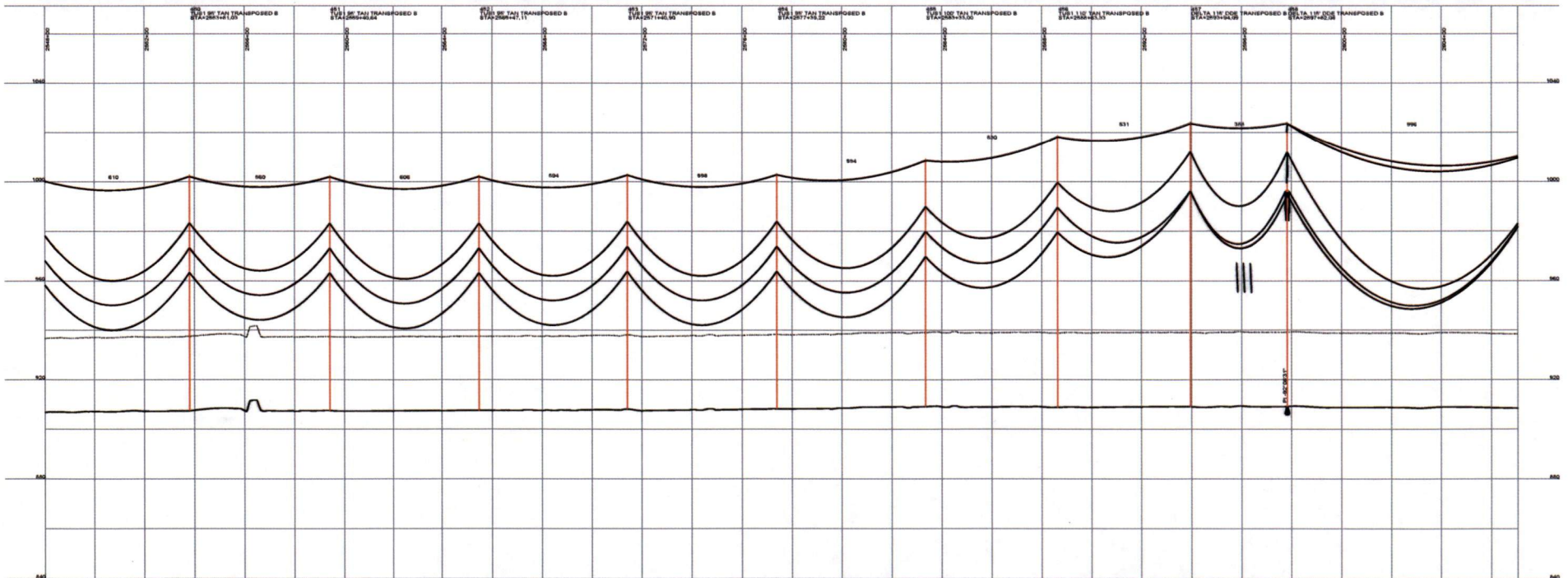
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 CONSTRUCTION SERVICES - WORLDWIDE

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 CHECKED H. DELABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

HORIZ. SCALE
 VERT. SCALE
WIND GENERATION TIE 57 OF 73



DESIGN CONDITIONS:
 0.45" DRW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	TYP	DPTH
0	06/06/08	MF-J	ISSUED FOR CONSTRUCTION		

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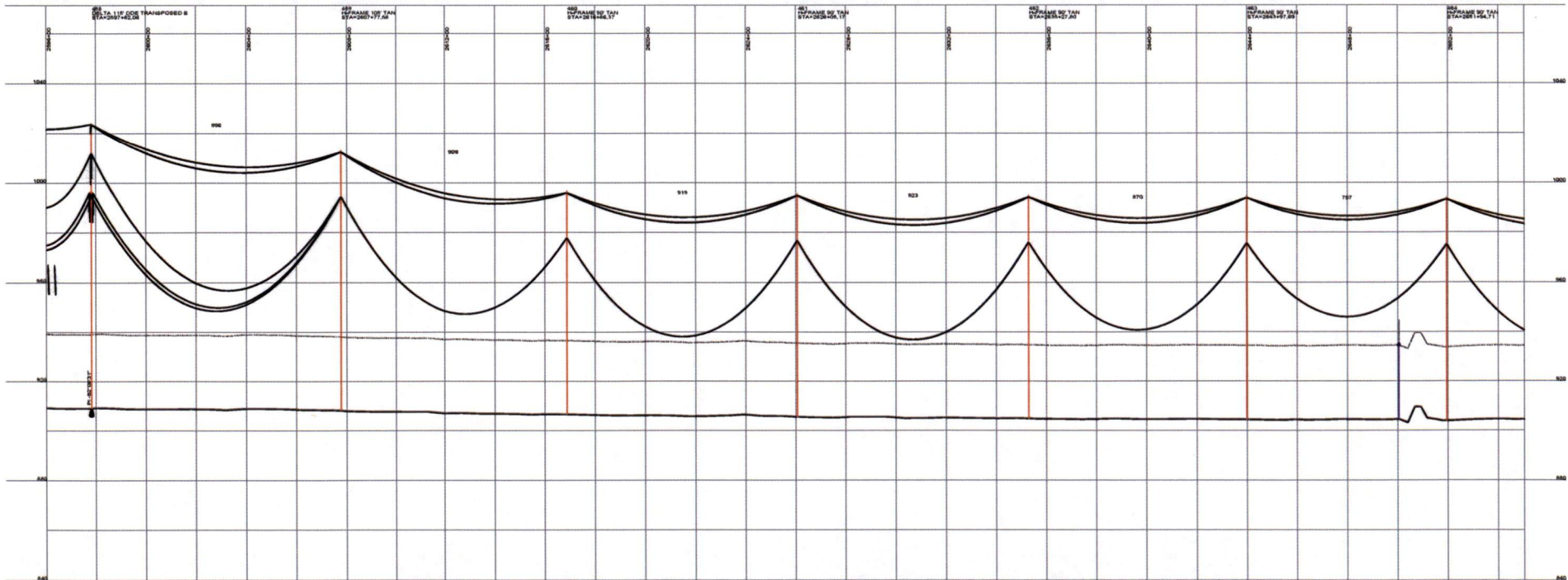
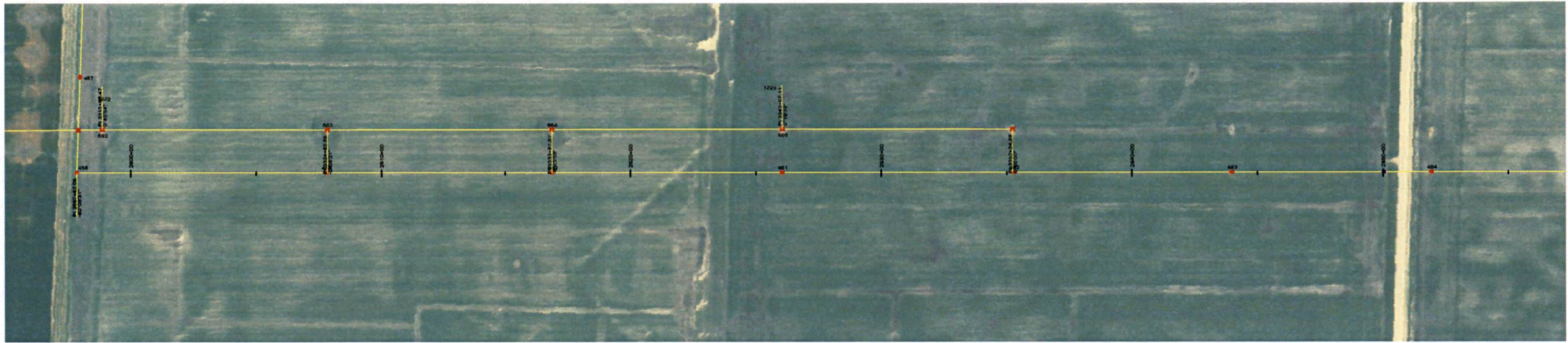
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 DRAWN T. FRANCIS
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 APPROVED M. JURGENEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 58 OF 73



DESIGN CONDITIONS
 0.45% CRGW, 24 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LIME 30'

REV	DATE	APP	DESCRIPTION	DPTH	TMF
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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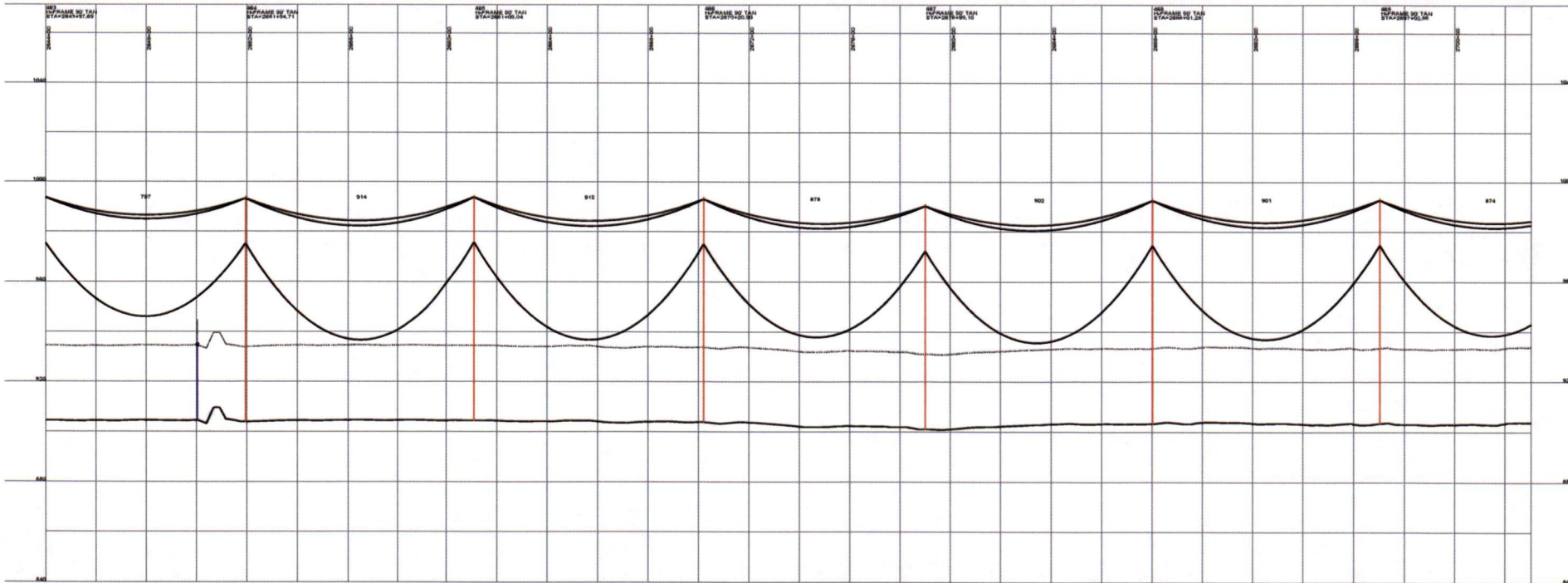
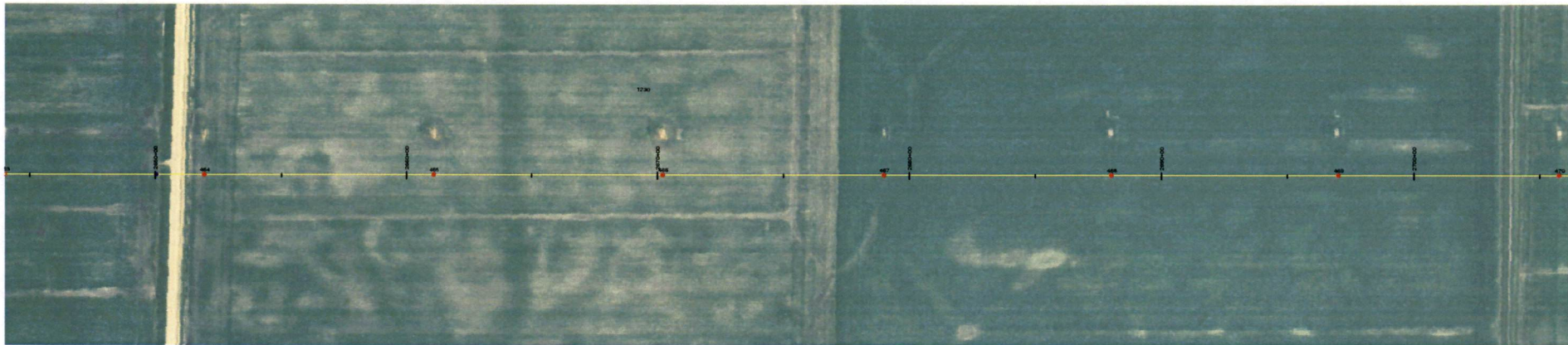
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 CONSTRUCTION SERVICES - WORLDWIDE

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

600.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE 59 OF 73



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	



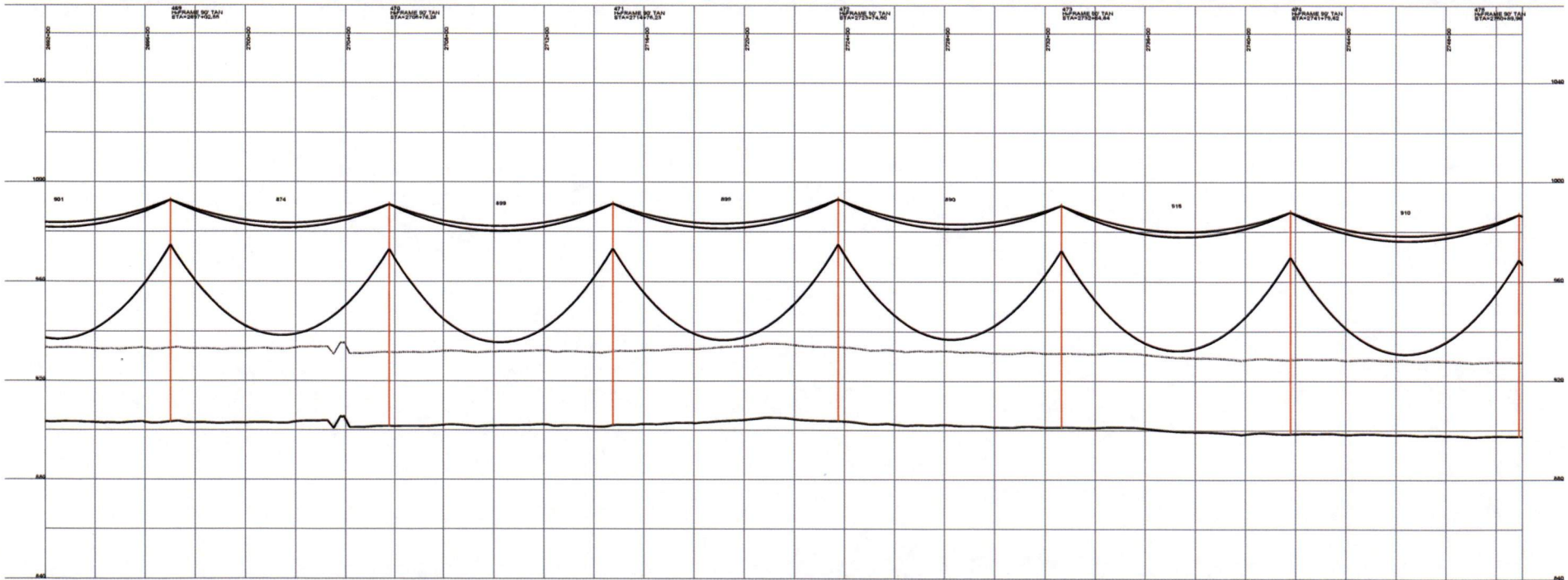
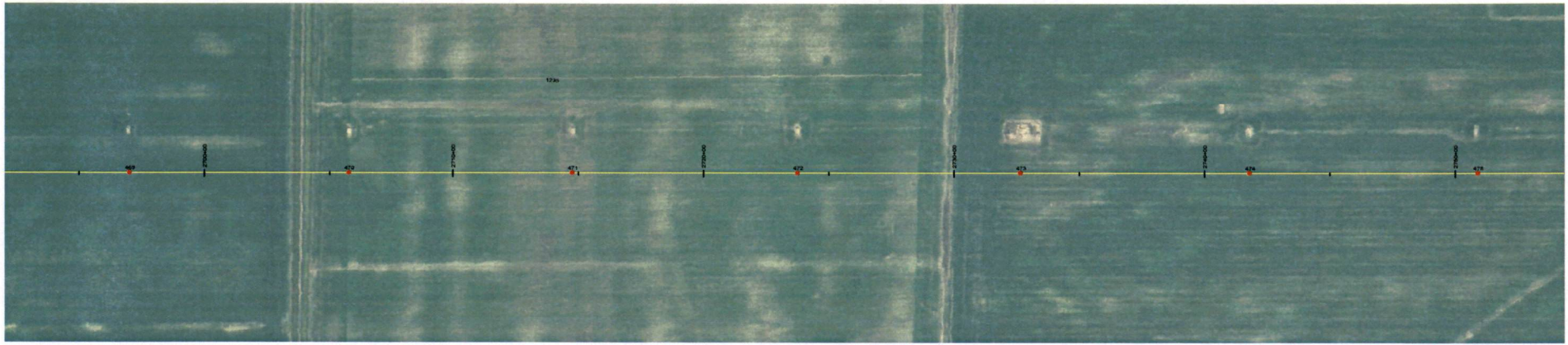
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE **60 OF 73**



DESIGN CONDITIONS
 0.465' OPGW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREE F. INITIAL
 CLEARANCE LANE 30'

REV	DATE	APP	DESCRIPTION	DMR
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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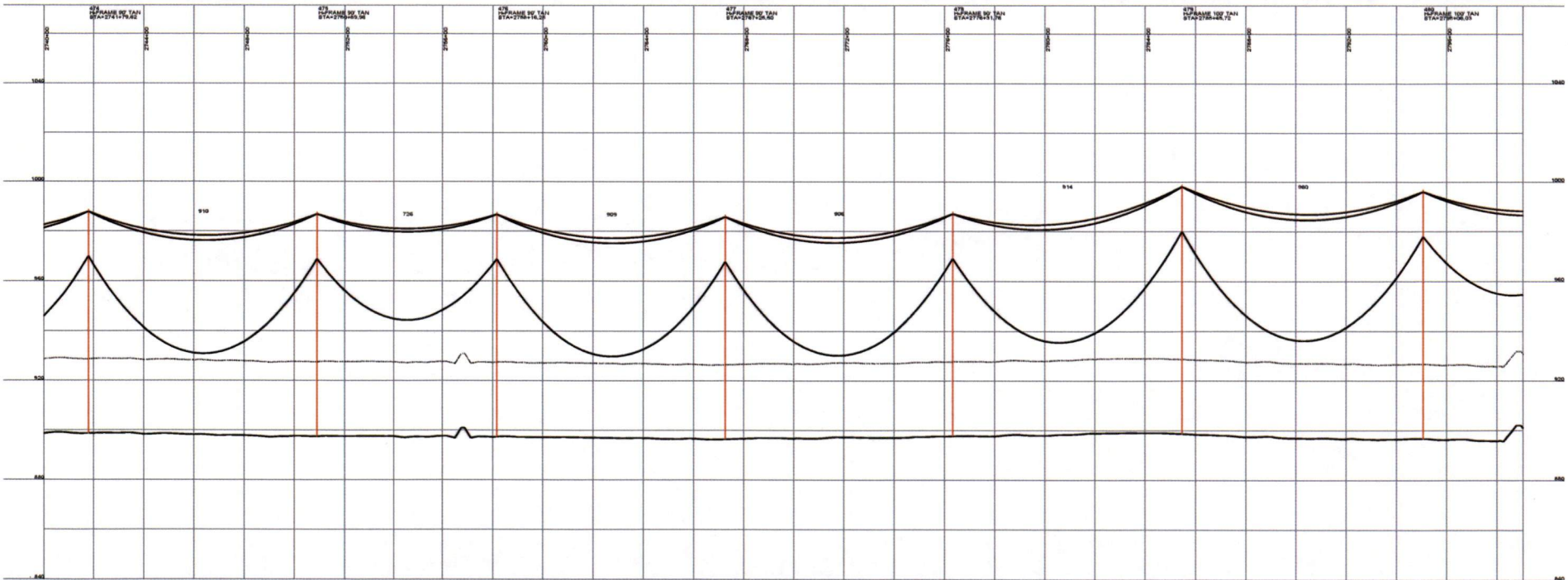
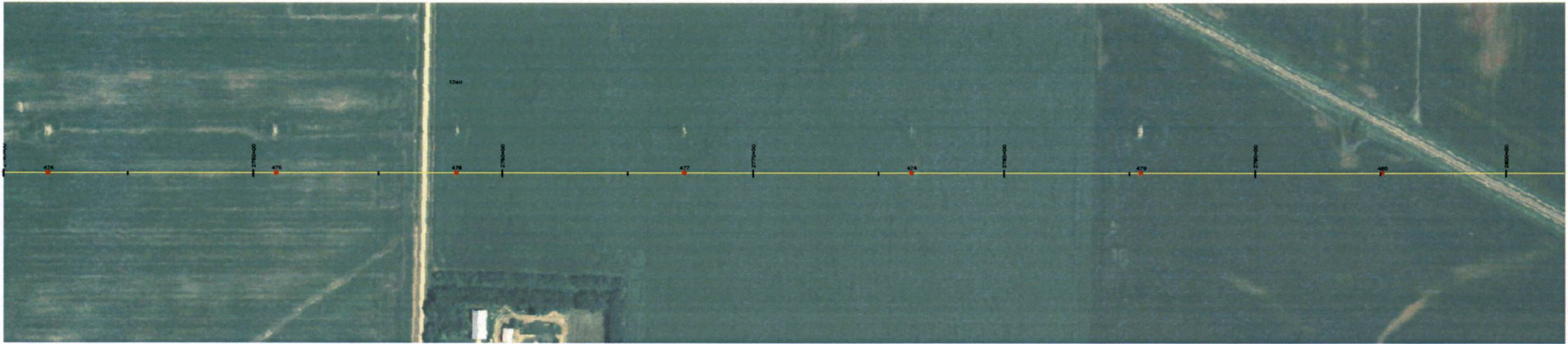
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 400.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 61 OF 73



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER 1272 ACSR 46/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	TMP	DTR
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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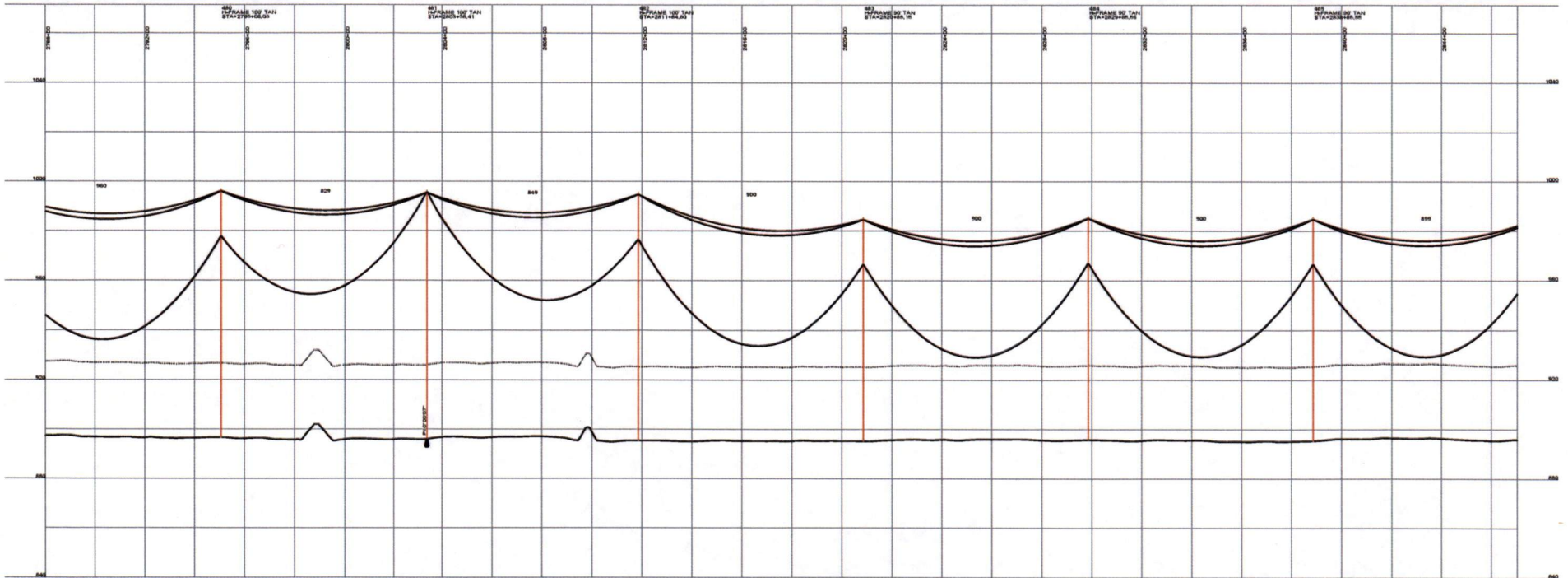
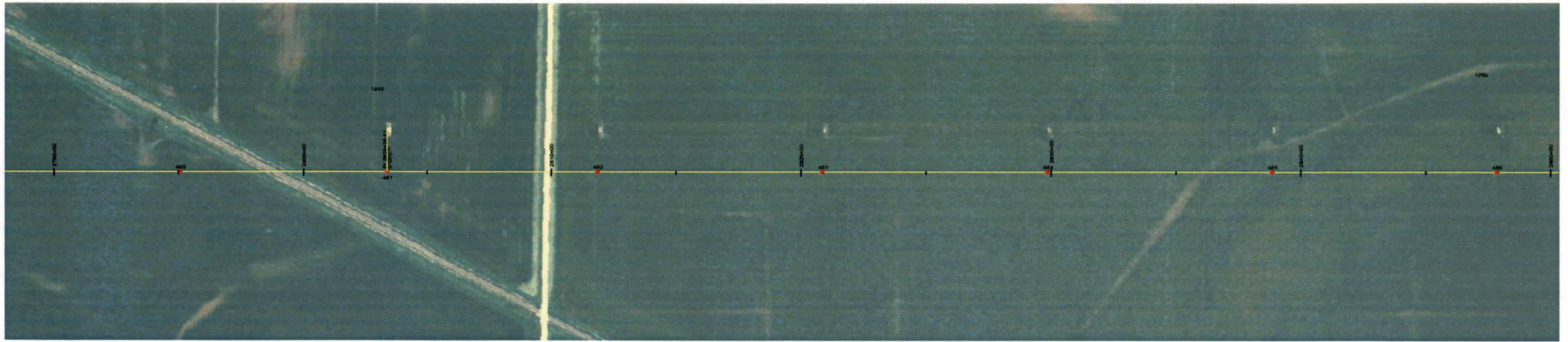
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 ENGLEWOOD, CO 80112

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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 600.0 FT. HORIZ. SCALE
 1" = 40.0 FT. VERT. SCALE

WIND GENERATION TIE 62 OF 73



DESIGN CONDITIONS
 0.45" OPGW, 24 FIBER 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LEV. 30'

REV	DATE	APP	DESCRIPTION	TMP	DFTY
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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 CONSTRUCTION SERVICES - WORLDWIDE

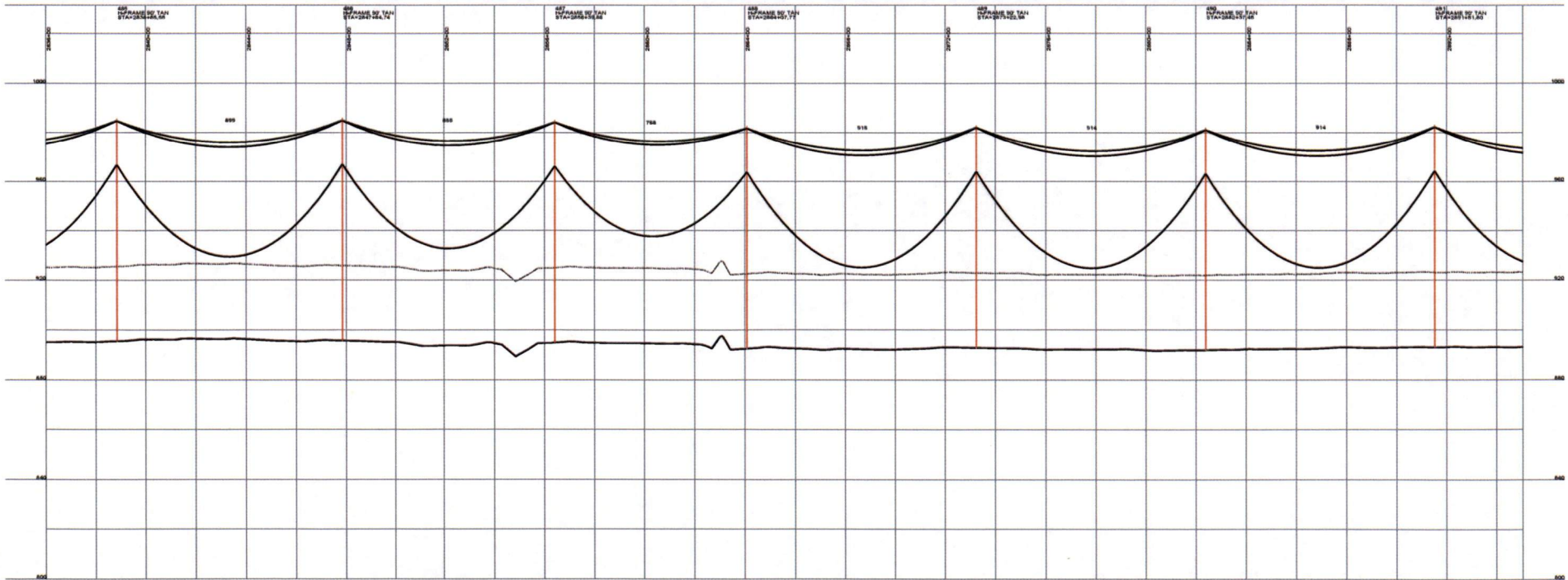
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

600.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE 63 OF 73



DESIGN CONDITIONS
 0.465" CRGW, 24 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F, INITIAL
 20% RTS @ -20 DEGREES F, INITIAL
 CLEARANCE LINE: 30

REV	DATE	APP	DESCRIPTION	DPTH	TMP
0	05/06/08	MFJ	ISSUED FOR CONSTRUCTION		



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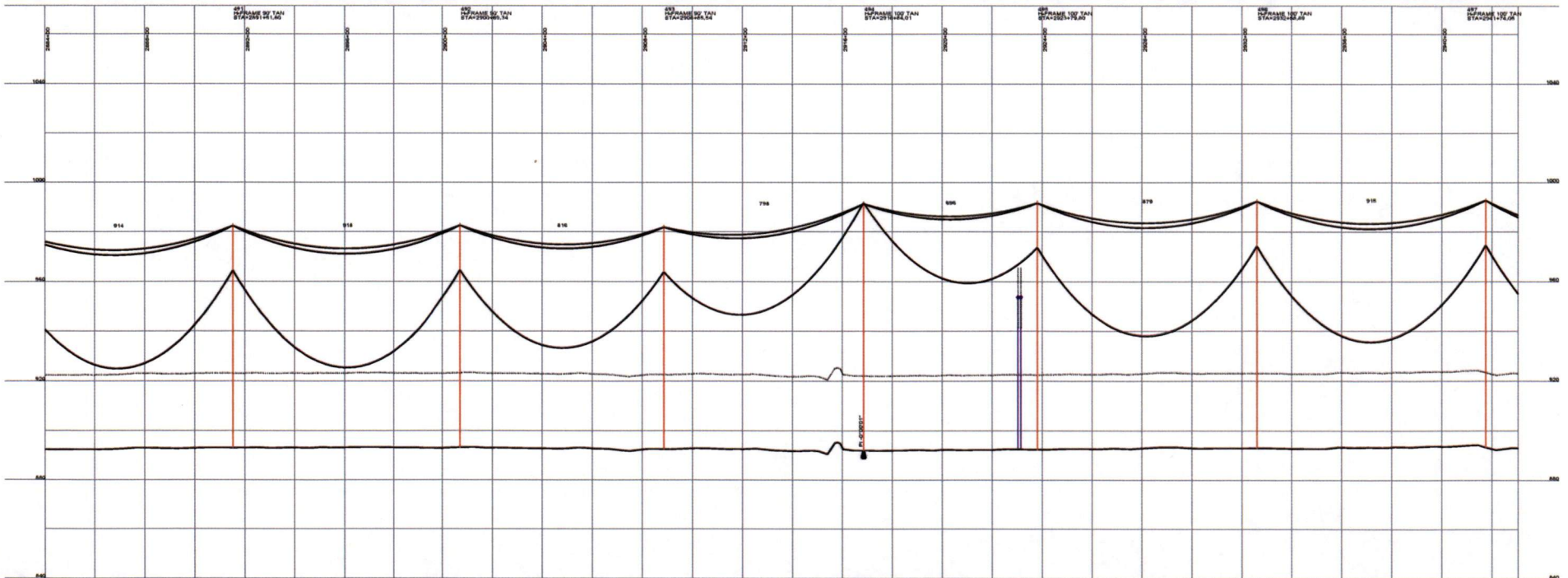
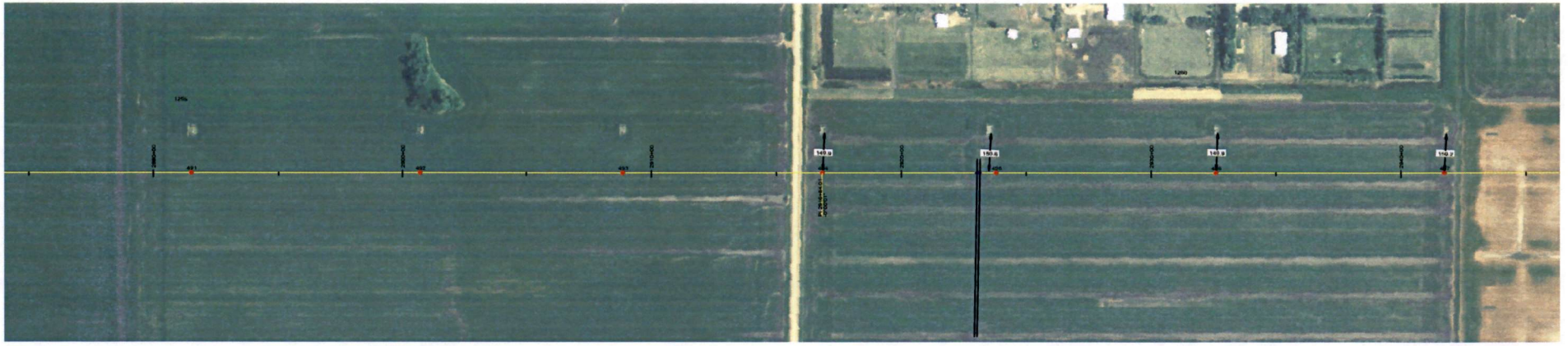
A STANLEY GROUP COMPANY
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DELAROUGH
 APPROVED M. BURGENMEYER
 DATE 05/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

1" = 50.0 FT. HORIZ. SCALE
 1" = 50.0 FT. VERT. SCALE

WIND GENERATION TIE **64 OF 73**



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER 1272 ACSR 45/7 "BATTERY"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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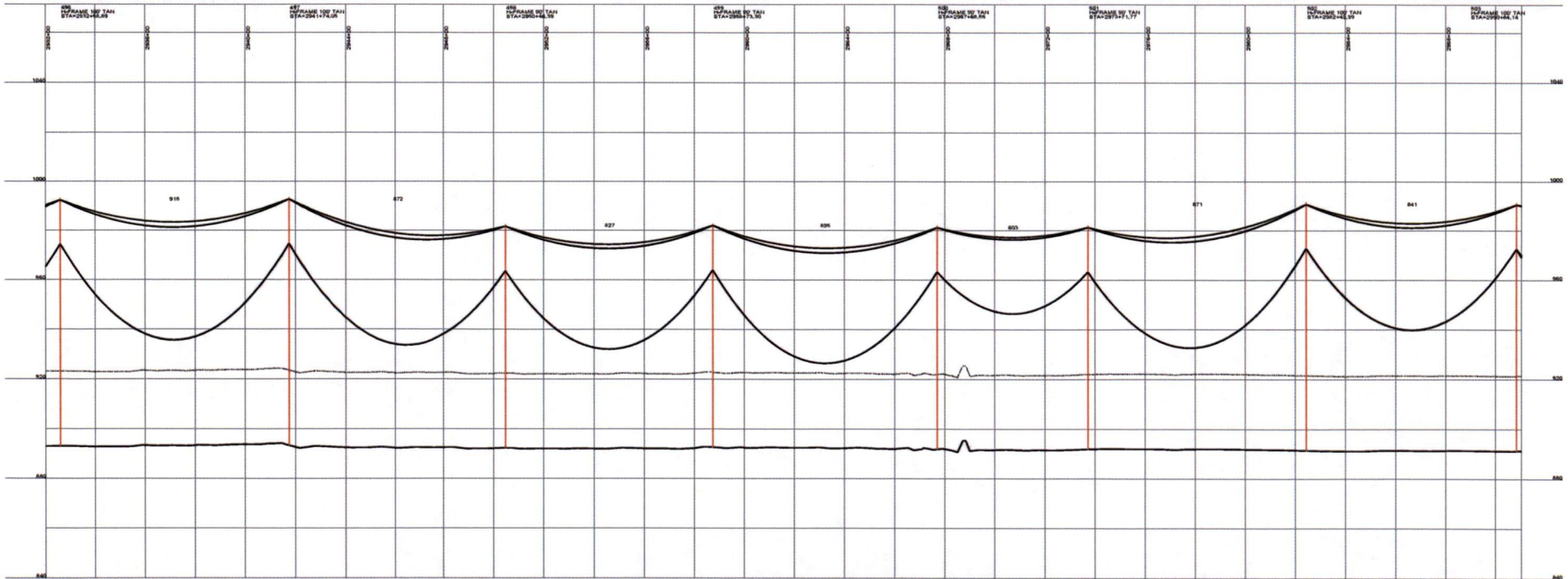
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. BURGEMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 65 OF 73

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

NORTH



DESIGN CONDITIONS
 0.465" CPW, 2-4 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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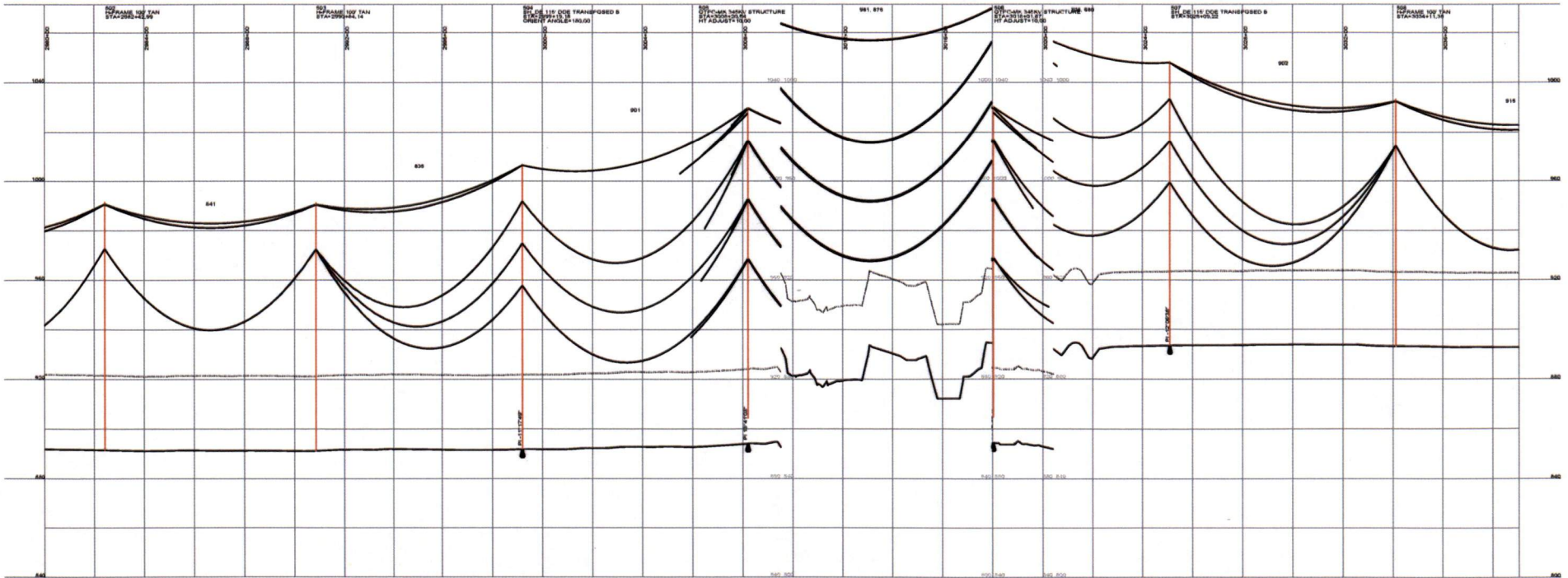
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 CONSTRUCTION SERVICES - WORLDWIDE

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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

0.50 FT. HORIZ. SCALE
 10.0 FT. VERT. SCALE

WIND GENERATION TIE **66 OF 73**



DESIGN CONDITIONS:
 0.465" OPDW, 24 FIBER
 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	DPTH
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION	

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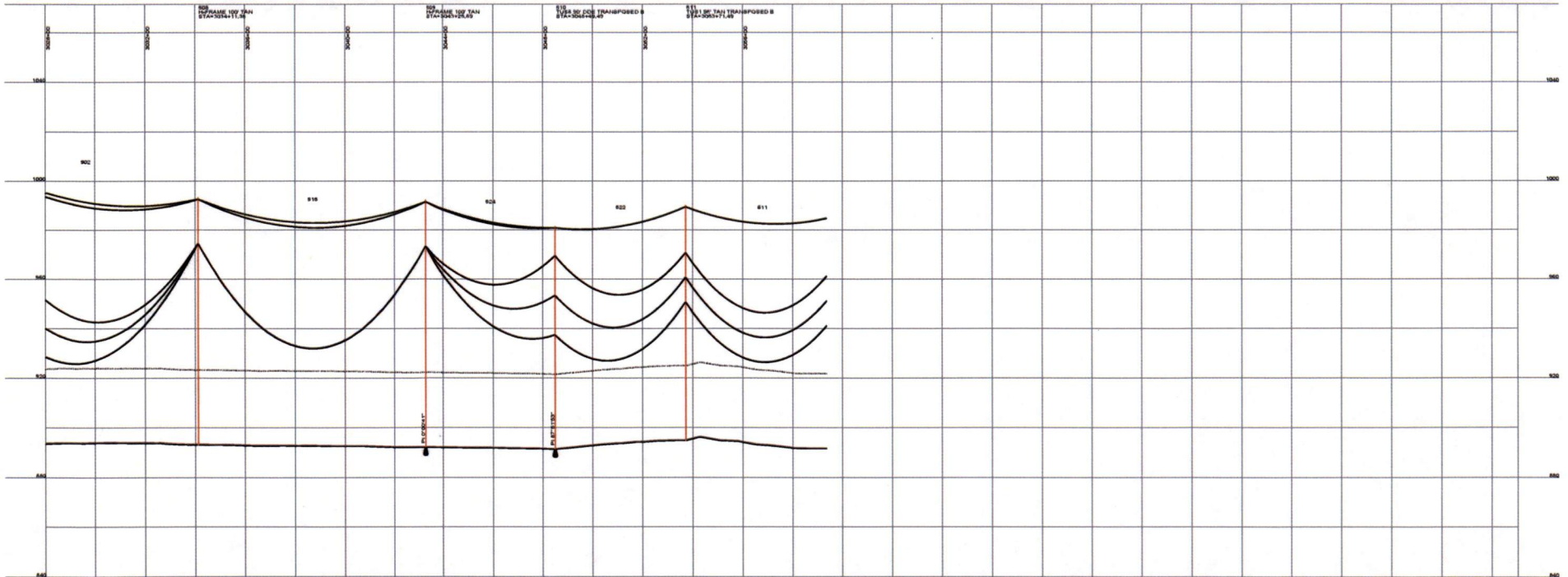
9200 E. MINERAL AVE.
 SUITE 400
 ENGLEWOOD, CO 80112

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLBOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

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

WIND GENERATION TIE 67 OF 73



DESIGN CONDITIONS:
 0.465" CRGW, 24 FIBER 1372 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MPJ	ISSUED FOR CONSTRUCTION	

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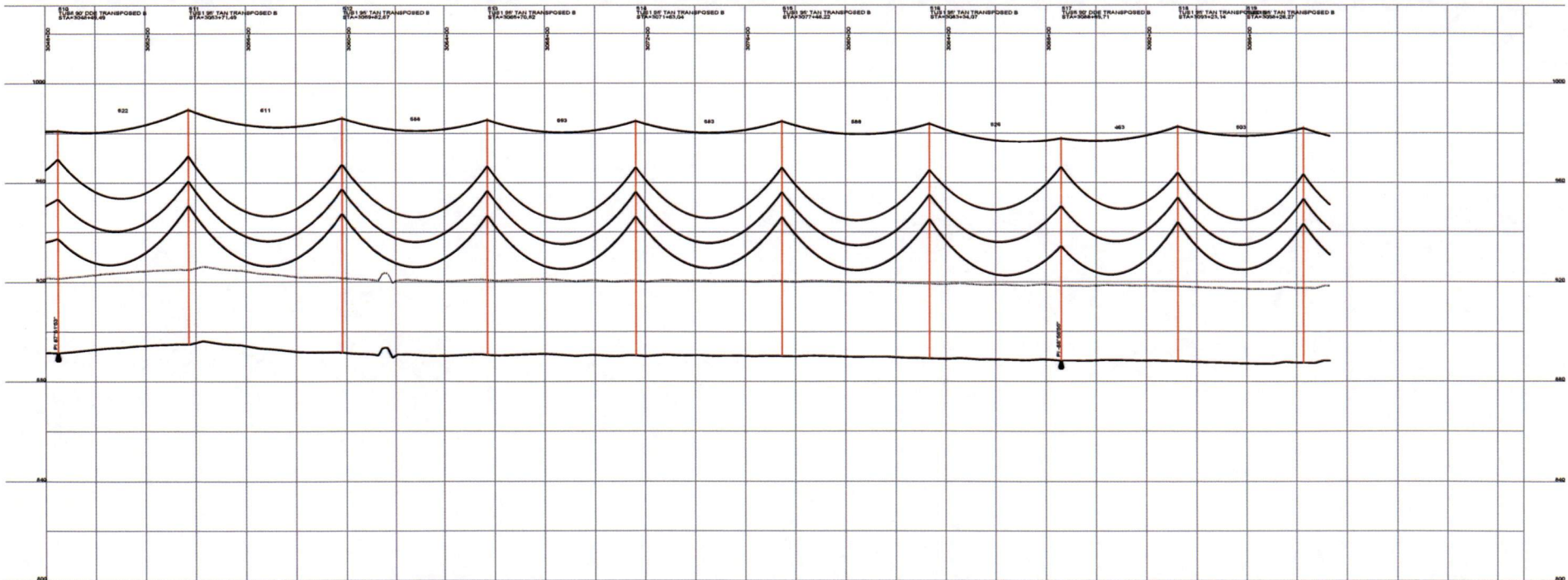
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 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 68 OF 73

HORIZ. SCALE
 VERT. SCALE



DESIGN CONDITIONS
 0.465" OPGW, 24 FIBER
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACSR 45/7 "BITTERN"



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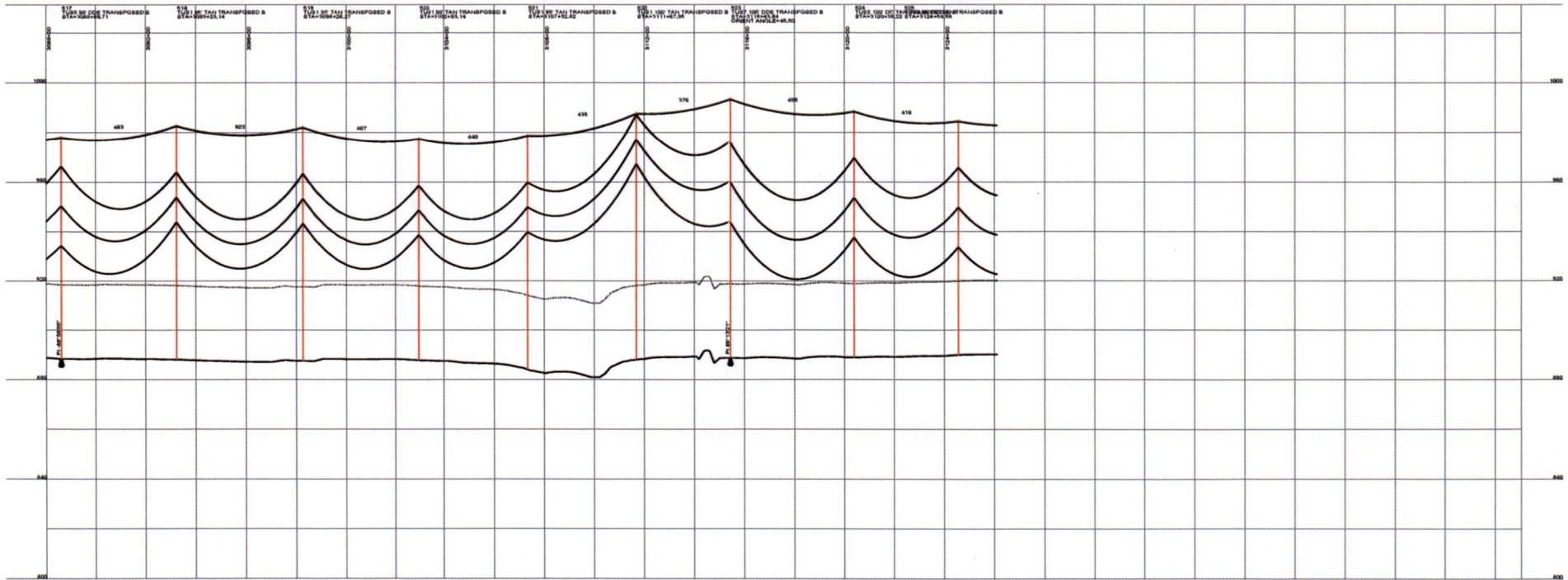
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DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/05/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND



REV	DATE	APP	DESCRIPTION	DPTH	TMP
0	06/05/08	MFJ	ISSUED FOR CONSTRUCTION		



DESIGN CONDITIONS
 0.465' GRW, 24 FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LINE 30'

REV	DATE	APP	DESCRIPTION	DPTH
0	05/08/08	MFJ	ISSUED FOR CONSTRUCTION	

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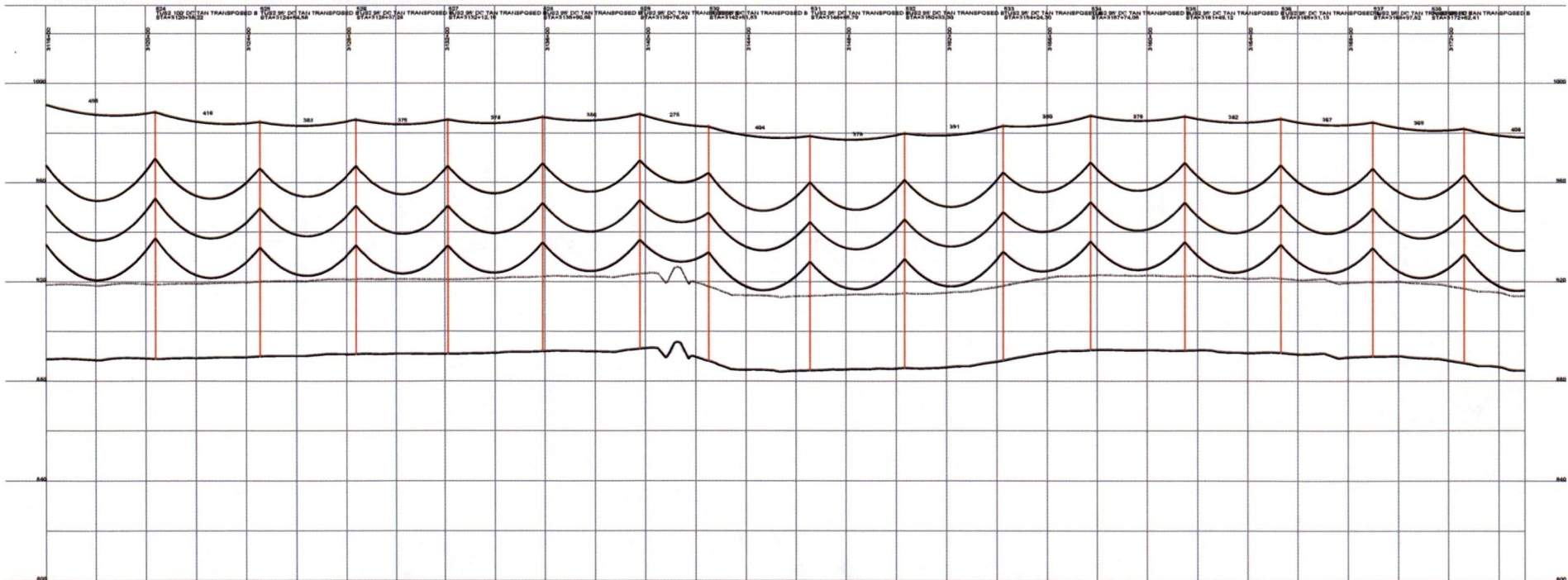
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 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENEYER
 APPROVED _____
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

600.0 FT. HORIZ. SCALE
 40.0 FT. VERT. SCALE

WIND GENERATION TIE 70 OF 73



DESIGN CONDITIONS:
 0.46% CROW, 2.4 FIBER
 20% RT8 @ -20 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

1272 ACBR 45/7 "BITTERN"

20% RT8 @ -20 DEGREES F. INITIAL

REV	DATE	APP	DESCRIPTION	DPTH	TMF
0	06/06/08	MFJ	ISSUED FOR CONSTRUCTION		

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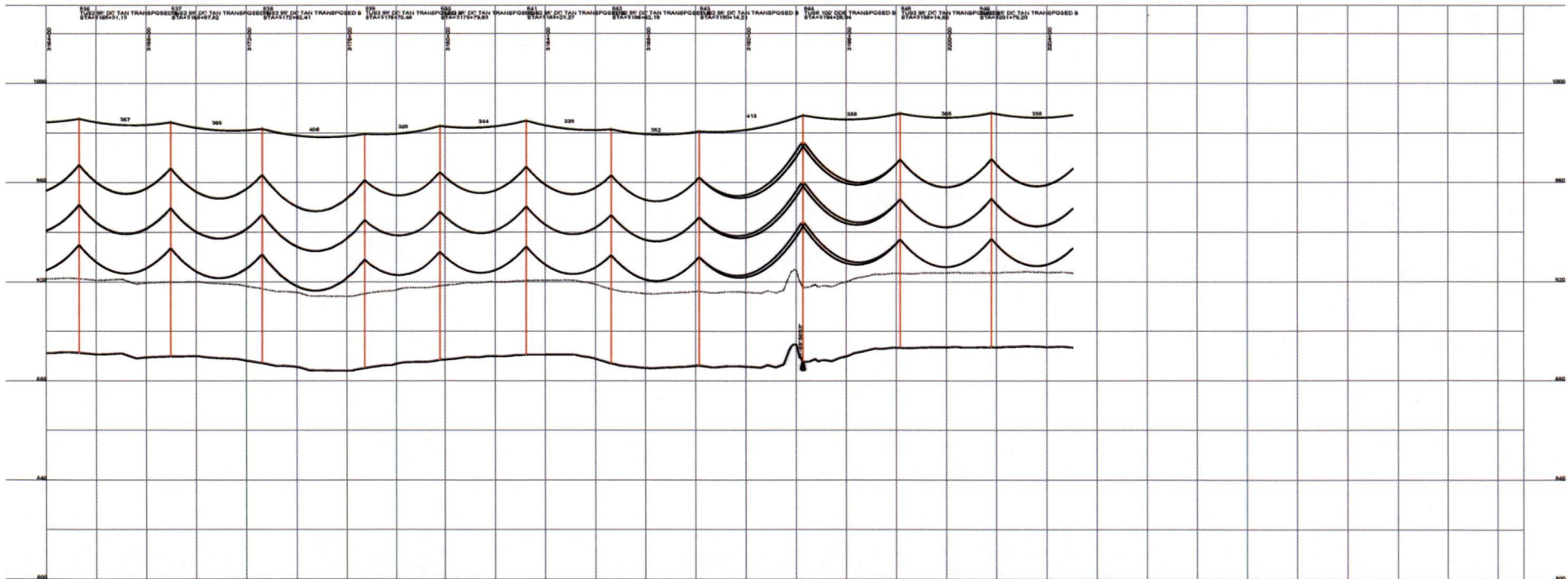
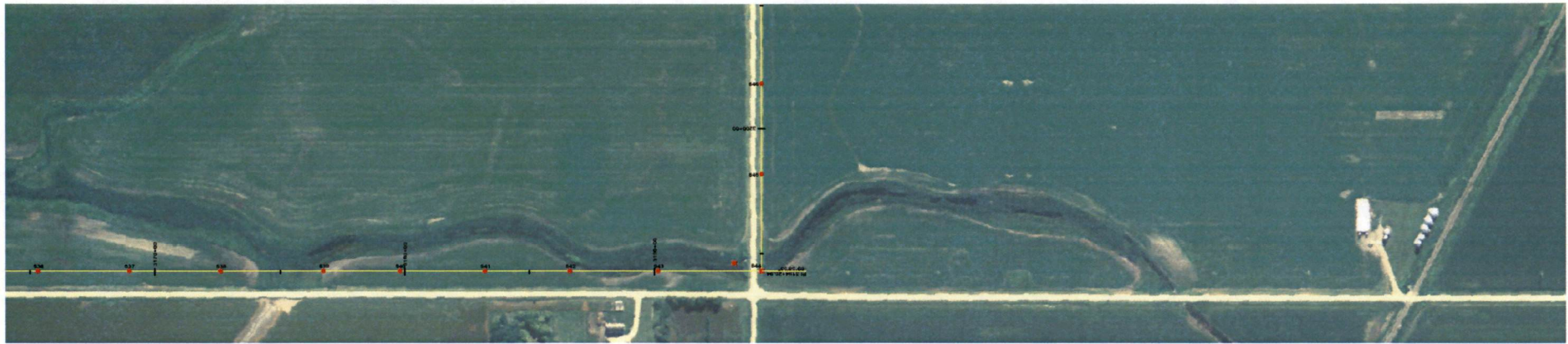
DESIGNED: T. FRANCIS
 DRAWN: T. FRANCIS
 CHECKED: H. DILLABOUGH
 APPROVED: M. JURGENMEYER
 APPROVED: _____
 DATE: 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 71 OF 73

655.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

North



DESIGN CONDITIONS:
 0.465" OPGW, 24 FIBER 1272 ACSR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL 20% RTS @ -30 DEGREES F. INITIAL
 CLEARANCE LINE: 30'

REV	DATE	APP	DESCRIPTION	DTM
0	06/06/08	MPJ	ISSUED FOR CONSTRUCTION	

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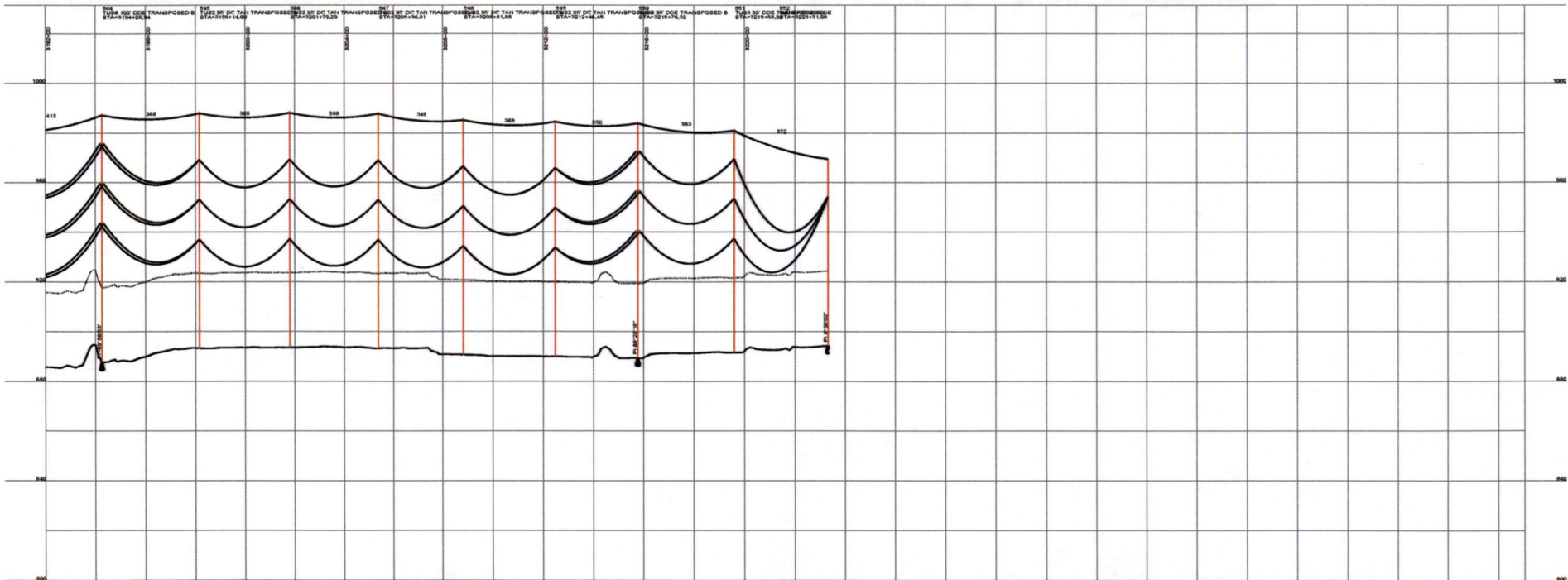
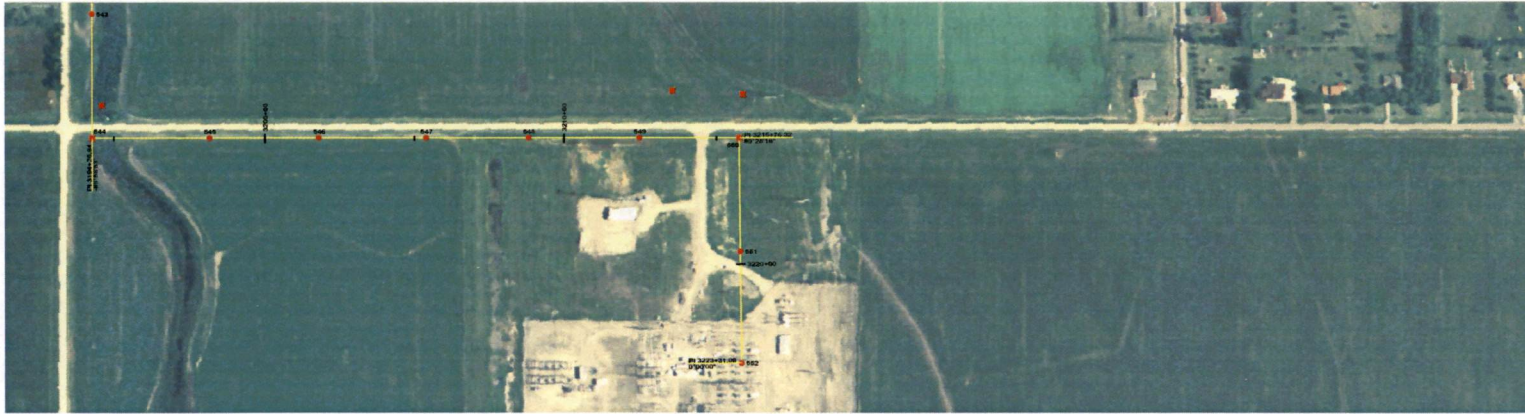
DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGEMEYER
 DATE 06/06/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

WIND GENERATION TIE 72 OF 73

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

North



DESIGN CONDITIONS
 0.465" GPW, 24-FIBER
 1272 ACBR 45/7 "BITTERN"
 20% RTS @ -20 DEGREES F. INITIAL
 20% RTS @ -20 DEGREES F. INITIAL
 CLEARANCE LVH: 30'

REV	DATE	APP	DESCRIPTION	TMP	DPTH
0	05/08/08	MFJ	ISSUED FOR CONSTRUCTION		

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

DESIGNED T. FRANCIS
 DRAWN T. FRANCIS
 CHECKED H. DILLABOUGH
 APPROVED M. JURGENMEYER
 APPROVED _____
 DATE 06/08/08

MINNKOTA POWER COOPERATIVE
GRAND FORKS, ND

450.0 FT. HORIZ. SCALE
 45.0 FT. VERT. SCALE

WIND GENERATION TIE **73 OF 73**

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 13 day of MAY, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

[Signature]

[Signature]

Landowner Gary A. Martin

[Signature]

Landowner Penelope C. Martin

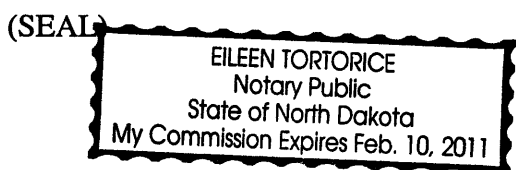
STATE OF North Dakota)
COUNTY OF Cass)SS

Reed TWP CASS county ND
SEC 20 T140 R349 6.71 ACRES (NOT 1/4)
P.I.D 60-0000-01602-000
5714 40TH AVE N. FARGO, ND 58102

On this 13th day of MAY, 2008, before me a Notary Public, personally appeared Gary A. Martin and Penelope C. Martin

known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

Notary Public Eileen Tortorice
County of Cass State of ND
My Commission Expires 2-10-2011



Recorded

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 8 day of MAY, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

[Signature]

[Signature]
Landowner Single Person

Jerome Doug DAHL

Landowner Sety Sety Sec 20 T140R49

3214 572 N FARLO ND 58102

P. E. 60-000 - 01615 - 000

STATE OF NORTH DAKOTA)

COUNTY OF CASS) SS

On this 8th day of MAY, 2008, before me a Notary Public, personally appeared CARL EGGEN

known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)



Notary Public [Signature]
County of CASS State of ND
My Commission Expires 4.17.2012

Recorded

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 2nd day of April, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

Vicki Severson

Craig Suhr

Landowner

Randy Suhr

Landowner

STATE OF _____)

COUNTY OF _____)SS

On this _____ day of _____, 2008, before me a Notary Public, personally appeared _____

_____ known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)

Notary Public _____
County of _____ State of _____
My Commission Expires _____

STATE OF North Dakota)

COUNTY OF Richland)SS

This 11th day of April, 2008, appeared before me Vicki Severson to me personally known to be the person whose name is subscribed to this instrument as a subscribing witness, and acknowledged to me that he subscribed as such, who being first duly sworn, says that Craig Suhr and Randy Suhr

_____ whose name(s) is/are subscribed to the instrument as party(ies) of the first part is/are the person(s) described in it, that such person(s) executed it in his presence and that the witness subscribed his name thereto as a witness.

Randy Suhr
1651 Highway 38
Page, ND 58064

Craig Suhr

Bonnie J Hauschild Notary Public
My commission expires 3-18-09

BONNIE J HAUSCHILD
Notary Public
State of North Dakota
My Commission Expires Mar. 18, 2009

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 12 day of May, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

[Signature]

Douglas M. Tehven

Landowner

Kathy J Tehven

Landowner 60-0000-01601-000

STATE OF N. Dak)

(SEC 20 T 140 RS 49)

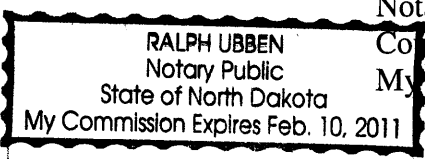
COUNTY OF CASS)

Reed TWP CASS County ND

On this 12th day of May, 2008, before me a Notary Public, personally appeared Douglas M. Tehven

_____ known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)



Notary Public Ralph Ubben
County of _____ State of _____
My Commission Expires _____

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 14th day of APRIL, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

Cary L. Ege
Agent

James J. Morgenroth

James J. Morgenroth, Landowner

Michelle D. Morgenroth

Michelle D. Morgenroth, Landowner

Property located Reed twp Cass Co.

6910 56th Ave North

Harwood, ND

Parcel ID # 60-0000-00520-000

60-0000-00410-040

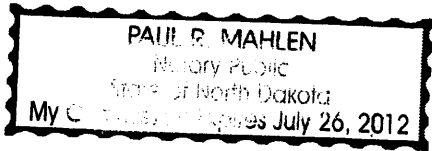
STATE OF North Dakota

COUNTY OF CASS)SS

On this 14th day of APRIL, 2008, before me a Notary Public, personally appeared **James J. Morgenroth and Michelle D. Morgenroth, husband and wife**, known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)

Notary Public PAUL R. MAHLEN
County of ~~the~~ CASS State of North Dakota
My Commission Expires July 26, 2012



Recorded

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 22 day of April, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

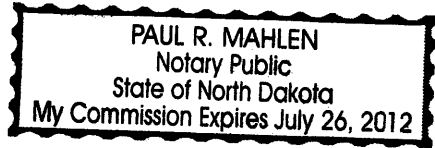
Lee R. Kees
Lee R. Kees
Agent

[Signature]
Landowner *Jerome Peterson Jr.*
[Signature]
Landowner *Cindy Peterson*

STATE OF *ND*)
)SS
COUNTY OF *CASS*)

On this *22* day of *April*, 2008, before me a Notary Public, personally appeared *Jerome Peterson Jr. and Cindy Peterson* known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)



Notary Public *Paul R Mahlen*
County of *Cass* State of *ND*
My Commission Expires *July 26, 2012*

Waiver

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 12th day of April, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence located in the part of the Northeast Quarter of the Northeast Quarter (NE 1/4 NE 1/4) of Section 23, Township 141, Range 51, Cass County, North Dakota.

If occupied homeowners, **Mark Reisenauer**, choose to relocate within two years of signing the Waiver under North Dakota Law (ND Century Code 49-22-05.1 and ND Administrative Code 69-06-08-02) and being in the limits of the 500-foot avoidance area, Minnkota Power Cooperative agrees to purchase property at appraised value (obtained by two independent appraisers) minus the cost of waiver.

[Signature]

[Signature]

Mark Reisenauer

STATE OF _____)
)SS
COUNTY OF _____)

On this _____ day of _____, 2008, before me a Notary Public, personally appeared **Mark Reisenauer, a single person**, known to me to be the person described in and who executed the foregoing instrument and acknowledged to me that he executed the same as his free act and deed.

(SEAL)

Notary Public _____
County of _____ State of _____
My Commission Expires _____

Recorded

WAIVER

I have been advised of and understand my right to decline to waive the five hundred foot avoidance area criteria for an inhabited rural residence. I have also been advised to contact my attorney or the staff of the North Dakota Public Service Commission if I have questions about this waiver. It is my voluntary decision this 18th day of April, 2008 to waive the five hundred foot avoidance area criteria for an inhabited rural residence.

Part of the Northwest Quarter (NW 1/4) of Section One (1), Township One Hundred Forty-one (141) North, Range Fifty-two (52) West, described as follows: A 12.49 acre tract of land lying in the Northwest Quarter of the Northwest Quarter (NW 1/4 NW 1/4) described as: Commence at the Northwest corner of Northwest Quarter of Section 1; thence East along the North line of Northwest Quarter (NW 1/4) to the point of intersection with the East right-of-way line of North Dakota State Highway 18 for 268.8 feet to the Point of Beginning; thence South along the East right-of-way line for 837 feet; thence East parallel to the North line of Northwest Quarter (NW 1/4) for 650 feet; thence North Perpendicular to the North line of Northwest Quarter (NW 1/4) for 837 feet; thence West along the North line of the Northwest Quarter (NW 1/4) for 650 feet, to the Point of Beginning. 1-6-94 split from 22-0000-00303-000.

Parcel ID: 22-0000-00303-010

Address: 2399 155 Ave SE, Arthur, North Dakota 58006-9627

in the County of Cass, and State of North Dakota.

Curt Berhles
Curt Berhles

Mark Lako
Rebecca Lako
Mark Lako
Rebecca Lako

STATE OF NORTH DAKOTA)
)SS
COUNTY OF)

On this _____ day of _____, 2008, before me a Notary Public, personally appeared Mark Lako and Rebecca Lako, husband and wife, known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they executed the same as their free act and deed.

(SEAL)

Notary Public _____
County of _____ State of _____
My Commission Expires _____

**Reed Township Cass County North Dakota
Application for Building Permit**

To: Dennis Martin, Administrative Official

Applicant: Minnkota Power Cooperative, Inc.
1822 Mill Road
P.O. Box 13200
Grand Forks, ND 58208-3200
Phone (701) 795-4000

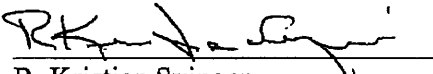
Structure Use: 230 kv electric transmission line and supporting structures.

Estimated Cost: \$1,550,000.00

Contractor: Irby Construction

Section/Township/Range: Section 7, Township 140N, Range 49W

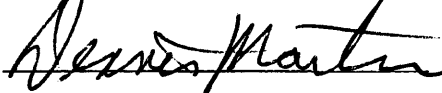
Completion Date: December 31, 2008 (estimate)

Applicant Signature:  **Date:** July 1, 2008
R. Kristian Svingen
Attorney for Applicant

Date Approved: 7-8-08

Feed Paid/Date: \$15,500 / 7/8/08

Permit #: _____

**Administrative Official
Signature:**  **Date:** 7/8/08

In April 2008 Minnkota Power Cooperative, Inc. applied for a Conditional Use Permit from Rush River Township. Township Supervisors issued the Conditional Use Permit to Minnkota to construct a 230 kV transmission line in Rush River Township. Minnkota now asks for itself and for the benefit of owners of farmland along the route of the transmission line as shown on the map attached that the Pillsbury-Fargo 230 kV transmission line being built by Minnkota Power Cooperative, Inc. be built 38 feet from the center of the township roads that are shown on the map attached to this agreement. Minnkota, when it discussed easements with the farmers in the area, indicated it would assist them in requesting that the line be placed 38 feet from the center of the roadways rather than at a greater distance. For ease of farming and to maintain their current farming practices, a distance of more than 38 feet would cause hardship to the farmers of the adjoining properties. The roads in Rush River Township affected are located:

Beginning at the northwest corner of Rush River Township thence along the north edge of Sections 6, 5 and 4. Thence in a southerly direction beginning at the Northwest corner of Sections 4 and continuing south to the Southeast corner of Section 9. The line then crosses into the northwest corner of Section 15 proceeds south to the east west center line of Section 15. From there the line passes through Sections 15 and 14 along the east west center line of the section where there is no road. The line enters section 13 at the east west center line of Sections 13 and proceeds in a Southerly direction along the westerly boundary of Section 13, Section 24, Section 25 and Section 36. There the line proceeds to the south and out of the Township.


Pole placement maps are also attached to this agreement. Rush River Township agrees and authorizes Minnkota to build its line 38 feet from the center of the roadways described.

Dated this 16 day of July, 2008.

RUSH RIVER TOWNSHIP

By 

By 

By 

VARIANCE

Rich Township

Permit Number: 15

Date Issued 7-14-08

Permission is granted:

Minnkota Power Cooperative, Inc., Proposed Easement Holder

_____, Property Owner

_____, Contractor

To request a variance of setback requirements in the Zoning Ordinance: in order to build and maintain a high voltage transmission line at 38 feet from the center line of the township roads as described in the variance request, and as shown in the map.

In accordance with the following Action Stipulations: _____

1. All land has the proper easements.
2. The permit is for one Generation Outlet high voltage transmission line only.
3. No other structures besides one transmission line can be constructed with this permit and pursuant to this variance.
4. If the location of the variance requested poles directly result in snow build up over the township roads and hazardous road conditions for School Bus and Mail Routes. Minnkota Power Cooperative agrees to meet with the Rich Township Board of Supervisors and provide financial support for snow removal.

THIS VARIANCE IS ISSUED ON THE BASIS OF THE CONDITIONS ABOVE AND SUCH OTHER CONDITIONS AND ZONING ORDINANCE CRITERIA APPLICABLE TO THE USE AUTHORIZES ONLY THE USE IDENTIFIED IN THE VARIANCE APPLICATION. A ZONING CERTIFICATE OR BUILDING PERMIT MUST ACCOMPANY THIS CERTIFICATE IN ORDER FOR THIS CERTIFICATE TO BE VALID. ANY USE, ARRANGEMENT, OR CONSTRUCTION AT VARIANCE WITH THAT AUTHORIZED BY THE CONDITIONAL USE CERTIFICATE SHALL BE DEEMED A VIOLANCE OF THE ORDINANCE AND SUBJECT TO THOSE PENALTIES AVAILABLE BY LAW AND/OR CERTIFICATE REVOCATION.

- CONSTRUCTION MUST BE COMMENCED WITHIN ONE YEAR.
- THIS CERTIFICATE SHALL EXPIRE ONE YEAR FROM THE DATE OF ISSUANCE UNLESS A PERIOD OF CONSTRUCTION IS AGREED TO IN WRITING AT THE TIME OF APPLICATION.

THIS NOTICE SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE CONSTRUCTION SITE.

Scott Thompson
(Zoning Administrator)

Permit Fee: \$100.00 X Paid _____ Not Paid

NOTICE OF LANDING AREA PROPOSAL											
U.S. Department of Transportation Federal Aviation Administration											
Name of Proponent, Individual, or Organization JEANNE L. RADCLIFFE					Address of Proponent, Individual, or Organization (No., Street, City, State, Zip Code) 5423B SOUTH UNIVERSITY DR FARGO, ND 58104						
<input type="checkbox"/> Check if the property owner's name and address are different than above, and list property owner's name and address on the reverse.											
<input type="checkbox"/> Establishment or Activation		<input checked="" type="checkbox"/> Deactivation or abandonment		<input type="checkbox"/> Airport		<input type="checkbox"/> Ultraflight Flightpark		<input type="checkbox"/> Vertiport			
<input type="checkbox"/> Alteration		<input type="checkbox"/> Change of Status		OF <input type="checkbox"/> Heliport		<input type="checkbox"/> Seaplane Base		<input type="checkbox"/> Other (Specify)			
A. Location of Landing Area											
1. Associated City/State Arthur, ND			2. County/State (Physical Location of Airport) Cass County, ND			3. Distance and Direction From Associated City or Town					
4. Name of Landing Area TURNER FIELD		5. Latitude 47° 03' 33.993"		6. Longitude 97° 09' 23.917"		7. Elevation 945' MSL		Miles 4.0	Direction S.E.		
B. Purpose											
Type Use <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/> Private Use of Public Land/Waters		If Change of Status or Alteration, Describe Change Deactivate, Not Used for several years				<input type="checkbox"/> Establishment or change to traffic pattern (Describe on reverse)		Construction Dates To Begin/Began _____ Est. Completion _____			
C. Other Landing Areas		Ref. A5 above		D. Landing Area Data			Existing (if any)			Proposed	
		Direction From Landing Area	Distance From Landing Area	1. Airport, Seaplane Base, or Flightpark Magnetic Bearing of Runway (s) or Sealane			Rwy #1	Rwy #2	Rwy #3	Rwy	Rwy
				Length of Runway (s) or Sealane (s) in Feet							
				Width of Runway (s) or Sealane (s) in Feet							
				Type of Runway Surface (Concrete, Asphalt, Turf, Etc.)							
				2. Heliport							
				Dimensions of Final Approach and Take off Area (FATO) in Feet							
				Dimensions of Touchdown and Lift-Off Area (TLOF) in Feet							
				Magnetic Direction of Ingress/Egress							
E. Obstructions		Direction From Landing Area		Distance From Landing Area		Routes			Direction of Prevailing Wind		
Type	Height Above Landing Area					Type of Surface (Turf, concrete, rooftop, etc.)					
						3. All Landing Areas			Description of Lighting (if any)		
									Direction of Prevailing Wind		
F. Operational Data											
1. Estimated or Actual Number Based Aircraft											
Airport, Flightpark, Seaplane base		Present (if est. indicate by letter "E")		Anticipated 5 Years Hence		Heliport		Present (if est. indicate by letter "E")		Anticipated 5 Years Hence	
Multi-engine		25000				Under 3500 lbs. MGW					
Single-engine						Over 3500 lbs. MGW					
Glider											
G. Other Considerations		Direction From Landing Area		Distance From Landing Area		2. Average Number Monthly Landings			Present (if est. indicate by letter "E")		Anticipated 5 Years Hence
Identification											
						Jet			Helicopter		
						Turboprop			Ultralight		
						Prop			Glider		
3. Are IFR Procedures For The Airport Anticipated <input type="checkbox"/> No <input type="checkbox"/> Yes Within _____ Years Type Navaid:											
H. Application for Airport Licensing											
<input type="checkbox"/> Has Been Made			<input type="checkbox"/> Not Required			<input type="checkbox"/> County					
<input type="checkbox"/> Will Be Made			<input type="checkbox"/> State			<input type="checkbox"/> Municipal Authority					
I. CERTIFICATION: I hereby certify that all of the above statements made by me are true and complete to the best of my knowledge.											
Name, title (and address if different than above) of person filing this notice - type or print				Signature (in ink)							
				Date of Signature			Telephone No. (Precede with area code)				

Paperwork Reduction Act Statement: The information collected on this form is necessary because it is the description of the physical and operational characteristics of the airport that will be on file with the FAA. The information on all airports will be maintained in FAA computers for record keeping purposes and used in airspace studies. Some of the information on public use airports is safety-critical and will be published in flight information handbooks and charts for pilot use. The burden associated with completing this form is estimated to be 30 minutes. Providing this information is mandatory if the proponent wishes to have the airport on file with the FAA and entered into the National Airspace System. No assurances of confidentiality are given. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection is 2120-0036. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ABA-20.

**INSTRUCTIONS
NOTICE OF LANDING AREA
PROPOSAL**

**As Used Herein, The Term "Airport" Means
Any Landing or Takeoff Area such as Airport, Heliport, Helistop, Vertiport, Gliderport, Seaplane Base,
Ultralight Flightpark, or Balloonport**

Federal Aviation Regulations Part 157 requires all persons to notify the FAA at least 90 days before any construction, alteration, activation, deactivation, or change to the status or use of a civil or joint-use (civil/military) airport. Notice is not required for the establishment of a temporary airport at which operations will be conducted under visual flight rules (VFR) and will be used for less than 30 days with no more than 10 operations per day. Notice also is not required for the intermittent use of a site that is not an established airport, which is used for less than one year and at which flight operations will be conducted only under VFR. Intermittent use means the use of the site for no more than 3 days in any one week and for no more than 10 operations per day.

Required notice shall be submitted on this form from each person who intends to do any of the following:

1. Construct or otherwise establish a new airport or activate an airport.
2. Construct, realign, alter, or activate any runway, or other aircraft landing or takeoff area of an airport.
3. Construct realign, alter, or activate a taxiway associated with a landing or takeoff area on a public-use airport.
4. Deactivate, discontinue using, or abandon an airport or any landing or takeoff area of an airport for a period of one year or more.
5. Deactivate, abandon, or discontinue using a taxiway associated with a landing or takeoff area on a public-use airport.
6. Change the status of an airport from private use (use by the owner or use by the owner and other persons authorized by the owner) to an airport open to the public or from public-use to another status.
7. Change status from IFR to VFR or VFR to IFR.
8. Establish or change any traffic pattern or traffic pattern altitude or direction.

The notice required shall be made by submitting this form to the nearest Federal Aviation Administration Regional Office or Airports District Office. However, in an emergency involving essential public service or when the delay arising from the 90-day advance notice requirement would result in an unreasonable hardship, you may provide notice to the appropriate FAA Airports District/Field Office by telephone in lieu of submitting this form. The FAA may require the subsequent submission of this form when necessary for safety or other reasons.

Section 901 of the Federal Aviation Act of 1958, as amended, provides that any person who violates a rule, regulation or order issued under Title III of this Act shall be subject to a civil penalty not to exceed \$ 1,000 for each violation.

GENERAL INSTRUCTIONS

1. For any project falling in categories 1, or 2 above, complete all appropriate sections.
2. For any project falling in categories 3, 4, or 5 above, complete sections A, B, D (if appropriate), and I.
3. For status change (categories 6 or 7 above), from private use to public use or from VFR to IFR, complete sections A, B, E, G, and I. For all other changes, complete sections A, B, and I.
4. For traffic pattern establishment or change (category 8) complete all appropriate sections. Traffic pattern description should be entered on the reverse side of FAA Form 7480-1.
5. Express all bearings as magnetic and mileages as nautical.
6. **Please Print or Type All Items.**

Section A - Identify Reference Datum of Coordinates (NAD 83 or NAD 27)

Section B - If the airport is to be used by the owner only, or by the owner and persons authorized by the owner, check "private". If the landing and takeoff area of the airport is publicly owned and the operator is a non-government entity, then check "private use of public lands". If the airport is to be available for use by the general public without a requirement for prior approval of the owner or operator, then check "public". If necessary, use the reverse side of the form or a separate sheet of paper to describe changes or alterations.

Section C - Airport or seaplane base: List VFR airports and heliports within 5NM, and IFR airports within 20NM. Heliports: List VFR airports and heliports within 3NM and IFR airports within 10NM.

✓ **Section D** - Attach U.S. Geological Survey quadrangle map or equivalent. Plot locations of facility to the nearest second, runway alignments, associated taxiways or sealane alignments. When appropriate, use city map for heliports.

Section E - List and plot on quadrangle map or equivalent any obstructions within: 3NM of a VFR airport or a seaplane base; 5NM of an IFR airport; or 5,000 feet of a heliport.

Section F - Self-explanatory.

Section G - List schools, churches and residential communities within a 2NM radius for airports and within a 1NM radius for heliports. List all waste disposal sites within a 5NM radius.

Section H - Self-explanatory.

Notification to the FAA does not waive the requirements of any other government agency.

ADDRESSES OF THE REGIONAL OFFICES

Submit your completed form by mail to:

Western Pacific Region
AZ, CA, HI, NV, GU

Federal Aviation Administration
Airports Division, AWP-600
15000 Aviation Boulevard
Hawthorne, CA 90261
Mail Address:
P. O. Box 92007
Worldway Postal Center
Los Angeles, CA 90009
Tel. 310-725-3608 Fax: 310-725-6847

Alaskan Region
AK

Federal Aviation Administration
Airports Division, AAL-600
222 West 7th Avenue, Box 14
Anchorage, AK 99513
Tel. 907-271-5438 Fax: 907-271-2851

Eastern Region

DC, DE, MD, NJ, NY, PA, VA, WV
Federal Aviation Administration
Airports Division, AEA-600
1 Aviation Plaza
Jamaica, NY 11434-4809
Tel. 718-553-3330 Fax: 718-995-5694

Southern Region

AL, FL, GA, KY, MS, NC, SC, NT, PR, VI
Federal Aviation Administration
Airports Division, ASO-600
1701 Columbia Avenue
College Park, GA 30337
Mail Address:
P. O. Box 20636
Atlanta, GA 30320
Tel. 404-305-6700 Fax: 404-305-6730

Northwest Mountain Region
CO, ID, MT, OR, UT, WA, WY

Federal Aviation Administration
Airports Division, ANM-600
1601 Lind Avenue, S.W., Suite 315
Renton, WA 98005-4056
Tel. 425-227-2600 Fax: 425-227-1600

Great Lakes Region

IL, IN, MI, MN, ND, OH, SD, WI
Federal Aviation Administration
Airports Division, AGL-600
2300 East Devon Avenue
Des Plaines, IL 60018
Tel. 847-294-7272 Fax: 312-294-7036

Southwest Region

AR, LA, NM, OK, TX
Federal Aviation Administration
Airports Division, ASW-600
2601 Meacham Boulevard
Fort Worth, TX 76137-4298
Tel. 817-222-5600 Fax: 817-222-5984

Central Region

IA, KS, MO, NE
Federal Aviation Administration
Airports Division, ACE-625 9
01 Locust
Kansas City, MO 64106-2325
Tel. 816-329-2600 Fax: 816-329-2610

New England Region

CT, MA, ME, NH, RI, VT
Federal Aviation Administration
Airports Division, ANE-600
12 New England Executive Park
Burlington, MA 01803
Tel. 781-238-7600 Fax: 781-238-7608

GENERAL INSTRUCTIONS

1. For any project falling in categories 1, or 2 above, complete all appropriate sections.
2. For any project falling in categories 3, 4, or 5 above, complete sections A, B, D (if appropriate), and I.
3. For status change (categories 6 or 7 above), from private use to public use or from VFR to IFR, complete sections A, B, E, G, and I. For all other changes, complete sections A, B, and I.
4. For traffic pattern establishment or change (category 8) complete all appropriate sections. Traffic pattern description should be entered on the reverse side of FAA Form 7480-1.
5. Express all bearings as magnetic and mileages as nautical.
6. **Please Print or Type All Items.**

Section A - Identify Reference Datum of Coordinates (NAD 83 or NAD 27)

Section B - If the airport is to be used by the owner only, or by the owner and persons authorized by the owner, check "private". If the landing and takeoff area of the airport is publicly owned and the operator is a non-government entity, then check "private use of public lands". If the airport is to be available for use by the general public without a requirement for prior approval of the owner or operator, then check "public". If necessary, use the reverse side of the form or a separate sheet of paper to describe changes or alterations.

Section C - Airport or seaplane base: List VFR airports and heliports within 5NM, and IFR airports within 20NM. Heliports: List VFR airports and heliports within 3NM and IFR airports within 10NM.

Section D - Attach U.S. Geological Survey quadrangle map or equivalent. Plot locations of facility to the nearest second, runway alignments, associated taxiways or sealane alignments. When appropriate, use city map for heliports.

Section E - List and plot on quadrangle map or equivalent any obstructions within: 3NM of a VFR airport or a seaplane base; 5NM of an IFR airport; or 5,000 feet of a heliport.

Section F - Self-explanatory.

Section G - List schools, churches and residential communities within a 2NM radius for airports and within a 1NM radius for heliports. List all waste disposal sites within a 5NM radius.

Section H - Self-explanatory.

Notification to the FAA does not waive the requirements of any other government agency.

ADDRESSES OF THE REGIONAL OFFICES

Submit your completed form by mail to:

Western Pacific Region

AZ, CA, HI, NV, GU

Federal Aviation Administration
Airports Division, AWP-600
15000 Aviation Boulevard
Hawthorne, CA 90261
Mail Address:
P. O. Box 92007
Worldway Postal Center
Los Angeles, CA 90009
Tel. 310-725-3608 Fax: 310-725-6847

Alaskan Region

AK

Federal Aviation Administration
Airports Division, AAL-600
222 West 7th Avenue, Box 14
Anchorage, AK 99513
Tel. 907-271-5438 Fax: 907-271-2851

Eastern Region

DC, DE, MD, NJ, NY, PA, VA, WV

Federal Aviation Administration
Airports Division, AEA-600
1 Aviation Plaza
Jamaica, NY 11434-4809
Tel. 718-553-3330 Fax: 718-995-5694

Southern Region

AL, FL, GA, KY, MS, NC, SC, NT, PR, VI

Federal Aviation Administration
Airports Division, ASO-600
1701 Columbia Avenue
College Park, GA 30337
Mail Address:
P. O. Box 20636
Atlanta, GA 30320
Tel. 404-305-6700 Fax: 404-305-6730

Northwest Mountain Region

CO, ID, MT, OR, UT, WA, WY

Federal Aviation Administration
Airports Division, ANM-600
1601 Lind Avenue, S.W., Suite 315
Renton, WA 98005-4056
Tel. 425-227-2600 Fax: 425-227-1600

Great Lakes Region

IL, IN, MI, MN, ND, OH, SD, WI

Federal Aviation Administration
Airports Division, AGL-600
2300 East Devon Avenue
Des Plaines, IL 60018
Tel. 847-294-7272 Fax: 312-294-7036

Southwest Region

AR, LA, NM, OK, TX

Federal Aviation Administration
Airports Division, ASW-600
2601 Meacham Boulevard
Fort Worth, TX 76137-4298
Tel. 817-222-5600 Fax: 817-222-5984

Central Region

IA, KS, MO, NE

Federal Aviation Administration
Airports Division, ACE-625 9
01 Locust
Kansas City, MO 64106-2325
Tel. 816-329-2600 Fax: 816-329-2610

New England Region

CT, MA, ME, NH, RI, VT

Federal Aviation Administration
Airports Division, ANE-600
12 New England Executive Park
Burlington, MA 01803
Tel. 781-238-7600 Fax: 781-238-7608

§ 156.6

not be eligible for reimbursement under a project grant administered by the FAA.

(b) A participating State shall not use State block grant funds for reimbursement or funding of administrative costs incurred by the State pursuant to the State block grant program.

§ 156.6 State program responsibilities.

(a) A participating State shall comply with the terms of the State block grant agreement.

(b) A participating State shall ensure that each person or entity, to which the State distributes funds received pursuant to the State block grant pilot program, complies with any terms that the State block grant agreement requires to be imposed on a recipient for airport projects funded pursuant to the State block grant pilot program.

(c) Unless otherwise agreed by a participating State and the Administrator in writing, a participating State shall not delegate or relinquish, either expressly or by implication, any State authority, rights, or power that would interfere with the State's ability to comply with the terms of a State block grant agreement.

§ 156.7 Enforcement of State block grant agreements and other related grant assurances.

The Administrator may take any action, pursuant to the authority of the Airport and Airway Improvement Act of 1982, as amended, to enforce the terms of a State block grant agreement including any terms imposed upon subsequent recipients of State block grant agreement funds.

PART 157—NOTICE OF CONSTRUCTION, ALTERATION, ACTIVATION, AND DEACTIVATION OF AIRPORTS

Sec.

- 157.1 Applicability.
- 157.2 Definition of terms.
- 157.3 Projects requiring notice.
- 157.5 Notice of intent.
- 157.7 FAA determinations.
- 157.9 Notice of completion.

AUTHORITY: 49 U.S.C. 106(g), 40103, 40113, 44502.

14 CFR Ch. I (1-1-05 Edition)

SOURCE: Docket No. 25708, 56 FR 33996, July 24, 1991, unless otherwise noted.

§ 157.1 Applicability.

This part applies to persons proposing to construct, alter, activate, or deactivate a civil or joint-use (civil/military) airport or to alter the status or use of such an airport. Requirements for persons to notify the Administrator concerning certain airport activities are prescribed in this part. This part does not apply to projects involving:

(a) An airport subject to conditions of a Federal agreement that requires an approved current airport layout plan to be on file with the Federal Aviation Administration; or

(b) An airport at which flight operations will be conducted under visual flight rules (VFR) and which is used or intended to be used for a period of less than 30 consecutive days with no more than 10 operations per day.

(c) The intermittent use of a site that is not an established airport, which is used or intended to be used for less than one year and at which flight operations will be conducted only under VFR. For the purposes of this part, *intermittent use of a site* means:

(1) The site is used or is intended to be used for no more than 3 days in any one week; and

(2) No more than 10 operations will be conducted in any one day at that site.

§ 157.2 Definition of terms.

For the purpose of this part:

Airport means any airport, heliport, helistop, vertiport, gliderport, seaplane base, ultralight flightpark, manned balloon launching facility, or other aircraft landing or takeoff area.

Heliport means any landing or takeoff area intended for use by helicopters or other rotary wing type aircraft capable of vertical takeoff and landing profiles.

Private use means available for use by the owner only or by the owner and other persons authorized by the owner.

Private use of public lands means that the landing and takeoff area of the proposed airport is publicly owned and the proponent is a non-government entity, regardless of whether that landing and takeoff area is on land or on water and whether the controlling entity be local, State, or Federal Government.

Paperwork Reduction Act Statement: The information collected on this form is necessary because it is the description of the physical and operational characteristics of the airport that will be on file with the FAA. The information on all airports will be maintained in FAA computers for record keeping purposes and used in airspace studies. Some of the information on public use airports is safety-critical and will be published in flight information handbooks and charts for pilot use. The burden associated with completing this form is estimated to be 30 minutes. Providing this information is mandatory if the proponent wishes to have the airport on file with the FAA and entered into the National Airspace System. No assurances of confidentiality are given. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection is 2120-0036. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ABA-20.

**INSTRUCTIONS
NOTICE OF LANDING AREA
PROPOSAL**

As Used Herein, The Term "Airport" Means

Any Landing or Takeoff Area such as Airport, Heliport, Helistop, Vertiport, Gliderport, Seaplane Base, Ultralight Flightpark, or Balloonport

Federal Aviation Regulations Part 157 requires all persons to notify the FAA at least 90 days before any construction, alteration, activation, deactivation, or change to the status or use of a civil or joint-use (civil/military) airport. Notice is not required for the establishment of a temporary airport at which operations will be conducted under visual flight rules (VFR) and will be used for less than 30 days with no more than 10 operations per day. Notice also is not required for the intermittent use of a site that is not an established airport, which is used for less than one year and at which flight operations will be conducted only under VFR. Intermittent use means the use of the site for no more than 3 days in any one week and for no more than 10 operations per day.

Required notice shall be submitted on this form from each person who intends to do any of the following:

1. Construct or otherwise establish a new airport or activate an airport.
2. Construct, realign, alter, or activate any runway, or other aircraft landing or takeoff area of an airport.
3. Construct, realign, alter, or activate a taxiway associated with a landing or takeoff area on a public-use airport.
4. Deactivate, discontinue using, or abandon an airport or any landing or takeoff area of an airport for a period of one year or more.
5. Deactivate, abandon, or discontinue using a taxiway associated with a landing or takeoff area on a public-use airport.
6. Change the status of an airport from private use (use by the owner or use by the owner and other persons authorized by the owner) to an airport open to the public or from public-use to another status.
7. Change status from IFR to VFR or VFR to IFR.
8. Establish or change any traffic pattern or traffic pattern altitude or direction.

The notice required shall be made by submitting this form to the nearest Federal Aviation Administration Regional Office or Airports District Office. However, in an emergency involving essential public service or when the delay arising from the 90-day advance notice requirement would result in an unreasonable hardship, you may provide notice to the appropriate FAA Airports District/Field Office by telephone in lieu of submitting this form. The FAA may require the subsequent submission of this form when necessary for safety or other reasons.

Section 901 of the Federal Aviation Act of 1958, as amended, provides that any person who violates a rule, regulation or order issued under Title III of this Act shall be subject to a civil penalty not to exceed \$ 1,000 for each violation.

U.S. Department of Transportation
Federal Aviation Administration

NOTICE OF LANDING AREA PROPOSAL

Name of Proponent, Individual, or Organization <input type="checkbox"/> Check if the property owner's name and address are different than above, and list property owner's name and address on the reverse.	Address of Proponent, Individual, or Organization (No., Street, City, State, Zip Code)
--	---

<input type="checkbox"/> Establishment or Activation <input type="checkbox"/> Alteration	<input checked="" type="checkbox"/> Deactivation or abandonment <input type="checkbox"/> Change of Status	} OF	<input type="checkbox"/> Airport <input type="checkbox"/> Heliport	<input type="checkbox"/> Ultraflight Flightpark <input type="checkbox"/> Seaplane Base	<input type="checkbox"/> Vertiport <input type="checkbox"/> Other (Specify)
---	--	---------	---	---	--

A. Location of Landing Area		
1. Associated City/State	2. County/State (Physical Location of Airport)	3. Distance and Direction From Associated City or Town
4. Name of Landing Area	5. Latitude	6. Longitude
	7. Elevation	Miles Direction

B. Purpose		
Type Use <input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Private Use of Public Land/Waters	If Change of Status or Alteration, Describe Change	<input type="checkbox"/> Establishment or change to traffic pattern (Describe on reverse)
		Construction Dates
		To Begin/Began Est. Completion

C. Other Landing Areas	<i>Ref. A5 above</i>		D. Landing Area Data			Existing (if any)			Proposed		
	Direction From Landing Area	Distance From Landing Area	1. Airport, Seaplane Base, or Flightpark Magnetic Bearing of Runway (s) or Sealane			Rwy #1	Rwy #2	Rwy #3	Rwy	Rwy	Rwy
			Length of Runway (s) or Sealane (s) in Feet								
			Width of Runway (s) or Sealane (s) in Feet								
			Type of Runway Surface (Concrete, Asphalt, Turf, Etc.)								
			2. Heliport								
			Dimensions of Final Approach and Take off Area (FATO) in Feet								
			Dimensions of Touchdown and Lift-Off Area (TLOF) in Feet								
			Magnetic Direction of Ingress/Egress								

E. Obstructions			
Type	Height Above Landing Area	Direction From Landing Area	Distance From Landing Area
			Routes
			Type of Surface (Turf, concrete, rooftop, etc.)
			3. All Landing Areas
			Description of Lighting (If any)
			Direction of Prevailing Wind

F. Operational Data					
1. Estimated or Actual Number Based Aircraft					
Airport, Flightpark, Seaplane base	Present (If est. indicate by letter "E")	Anticipated 5 Years Hence	Heliport	Present (If est. indicate by letter "E")	Anticipated 5 Years Hence
Multi-engine	25000		Under 3500 lbs. MGW		
Single-engine			Over 3500 lbs. MGW		
Glider					

G. Other Considerations					
Identification	Direction From Landing Area	Distance From Landing Area	2. Average Number Monthly Landings		
			Present (If est. indicate by letter "E")	Anticipated 5 Years Hence	Present (If est. indicate by letter "E")
			Jet		Helicopter
			Turboprop		Ultralight
			Prop		Glider
			3. Are IFR Procedures For The Airport Anticipated		
			<input type="checkbox"/> No <input type="checkbox"/> Yes Within _____ Years Type Navaid:		
			H. Application for Airport Licensing		
			<input type="checkbox"/> Has Been Made <input type="checkbox"/> Not Required <input type="checkbox"/> County		
			<input type="checkbox"/> Will Be Made <input type="checkbox"/> State <input type="checkbox"/> Municipal Authority		

I. CERTIFICATION: I hereby certify that all of the above statements made by me are true and complete to the best of my knowledge.		
Name, title (and address if different than above) of person filing this notice -- type or print	Signature (in ink)	
	Date of Signature	Telephone No. (Precede with area code)

Industrial Builders, Inc.**General Contractors**

W.B. DIEDERICH, CHAIRMAN OF THE BOARD
PAUL W. DIEDERICH, PRESIDENT

PHONE 701/282-4977 FAX 701/281-1408
P.O. BOX 406 FARGO, NORTH DAKOTA 58107-0406

6-26-08

Ottertail Power Co.

Attn: Curt Beckler

215 South Cascade Street

ph 218-739-8464

Fergus Falls, MN 56538-0496

fax 218-739-8914

Re: Reclaim Old Runway

Dear Mr. Beckler:

Industrial Builders, Inc is pleased to quote the reclamation of the old runway by Arthur, ND. As we understand the existing gravel runway is 24' wide x 2,482' long with approximately 6" of gravel surfacing. The parking and apron area is about 65' x 250' with approximately 6" of concrete and asphalt surfacing. The gravel is to be hauled to your stockpile about 10 miles away and the concrete and asphalt are to be disposed of by Industrial Builders. We can schedule this work to fit your needs. Please see our price and scope of work below.

Item	Description	Unit	Qty	Unit Price	Total Price
1	Reclaim Old Runway	LS	1	\$ 35,000.00	\$ 35,000.00

Add for Broadcast Seeding and Dragging: \$ 4,000.00

Includes: Removal and disposal of gravel, asphalt and concrete. Shaping of area to blend into existing terrain. *The demo of the concrete/asphalt slab accounts for about 14,000.00 of the total amount.*

Exclusions:

1. Seeding, erosion control, or traffic control (if needed).
2. Surveying or testing.
3. Importing of any fill materials or topsoil.

Please call me at 701-282-4977 with any questions you may have.

Sincerely,
INDUSTRIAL BUILDERS, INC.

Brian Meyer, Project Coordinator

Industrial Builders, Inc.**General Contractors**

W.B. DIEDERICH, CHAIRMAN OF THE BOARD
PAUL W. DIEDERICH, PRESIDENT

PHONE 701/282-4977 FAX 701/281-1409
P.O. BOX 406 FARGO, NORTH DAKOTA 58107-0406

6-26-08

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1. Seeding, erosion control, or traffic control (if needed).
2. Surveying or testing.
3. Importing of any fill materials or topsoil.

Please call me at 701-282-4977 with any questions you may have.

Sincerely,
INDUSTRIAL BUILDERS, INC.

Brian Meyer, Project Coordinator

Krava, Bob

From: Dave Martian [dmartian@kbm-corp.com]
Sent: Monday, March 31, 2008 10:33 AM
To: Krava, Bob
Cc: Shuck, Lorie; Metcalf, Jim; Kantrud, David; phillipsduane@stanleygroup.com; Koeckeritz, Al; Ross Wamre
Subject: FAA Form for Runway Deactivation



FAA Procedure
Runway Deactivat...



faa7480-1.pdf

Bob

I am attaching the form for runway deactivation. The form is an interactive pdf document you can fill out.

The center of the runway is at Lat 47°03'36.993"N Long 97°09'23.717"W Elevation 945' MSL

I am also including a copy of the FAA regulations regarding deactivation. It appears a letter and no notice is required for a private runway. Public runways require 90 days. You should submit the forms as soon as possible.

Dave Martian
KBM, Inc.
405 Bruce Avenue, Suite 200
Grand Forks, ND 58201
701-772-7156 Ext. 218 (Office)
701-772-0826 (Fax)
218-779-1967 (cell)
Email: dmartian@kbm-corp.com