XCEL ENERGY
ELECTRICAL TRANSMISSION LINE
BIG STONE SOUTH SUBSTATION TO BROOKINGS COUNTY SUBSTATION
LINE NUMBER 0966 - 345kV

SCALE
HORIZ 1"=200'
VERT 1"=50'

TRANSMISSION LINE LEGEND

- ANCHOR
- ANCHOR REMOVE
- PUSH BRACE
- SOIL BORING
- SWITCH
- TRANSMISSION POLE
- TRANSMISSION POLE REMOVE
- TRANSMISSION TOWER
- TRANSMISSION TOWER REMOVE

WOOD POLE DESCRIPTION ON PROFILE VIEW:
PXX-XXX-XXX
- STRUCTURE HEIGHT
- CLASS = 2, 1, H1, H2, ETC.
- SPECIES = DF, SP, WC, ETC.
- POLE

STEEL POLE DESCRIPTION ON PROFILE VIEW:
PST-XXX-XXX
- STRUCTURE HEIGHT
- FND = ON FOUNDATION
- EMB = DIRECT EMBEDDED
- POLE - STEEL

3 REVISION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF:
SOUTH DAKOTA
W.O.- 11745766
UPDATED STRUCTURE ASSEMBLIES SHOWN ON P&P SERIES.
APP'D & CERT:
TONY J. MOORE (SIGNED)
DATE: 6/8/2016
TONY J. MOORE ENG.
REG. NO. PE- 11977
PH NO: (612) 330-6534
TONY J. MOORE PROJ. ENG.
PH NO: (612) 330-6534
TYLER J. TUNENDER DSGN.
PH NO: (715) 737-4262
CHK'D: TJM DATE:

4 REVISION

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SOUTH DAKOTA
W.O.- 11745766
STR'S 96, 97, 133, 202 & 206 WERE MOVED DUE TO FDN INSTALLATION ISSUES.
MARKER BALLS ADDED BETWEEN STR 345 TO 346 & 346 TO 347.
APP'D & CERT:
TONY J. MOORE (SIGNED)
DATE: 3/15/2017
TONY J. MOORE ENG.
REG. NO. PE- 11977
PH NO: (612) 330-6534
TONY J. MOORE PROJ. ENG.
PH NO: (612) 330-6534
TYLER J. TUNENDER DSGN.
PH NO: (715) 737-4262
CHK'D: TJM DATE:

5 REVISION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF:
SOUTH DAKOTA
W.O.- 11745766
AS-BUILT
UPDATED P&P MODEL PER LIDAR SURVEY.
APP'D & CERT:
(SIGNED)
DATE:
TONY J. MOORE ENG.
REG. NO. PE- 11977
PH NO: (612) 330-6534
TONY J. MOORE PROJ. ENG.
PH NO: (612) 330-6534
TYLER J. TUNENDER DSGN.
PH NO: (715) 737-4262
CHK'D: TJM DATE:

DRAWING REFERENCE

LINE RATING SHEET	NH-247852
PHASING DIAGRAM	NH-263191
SAG TABLE - CONDUCTOR	NH-263289
SAG TABLE - SHIELD WIRE (FIBER)	NH-263290
SAG TABLE - SHIELD WIRE (STEEL)	NH-263291

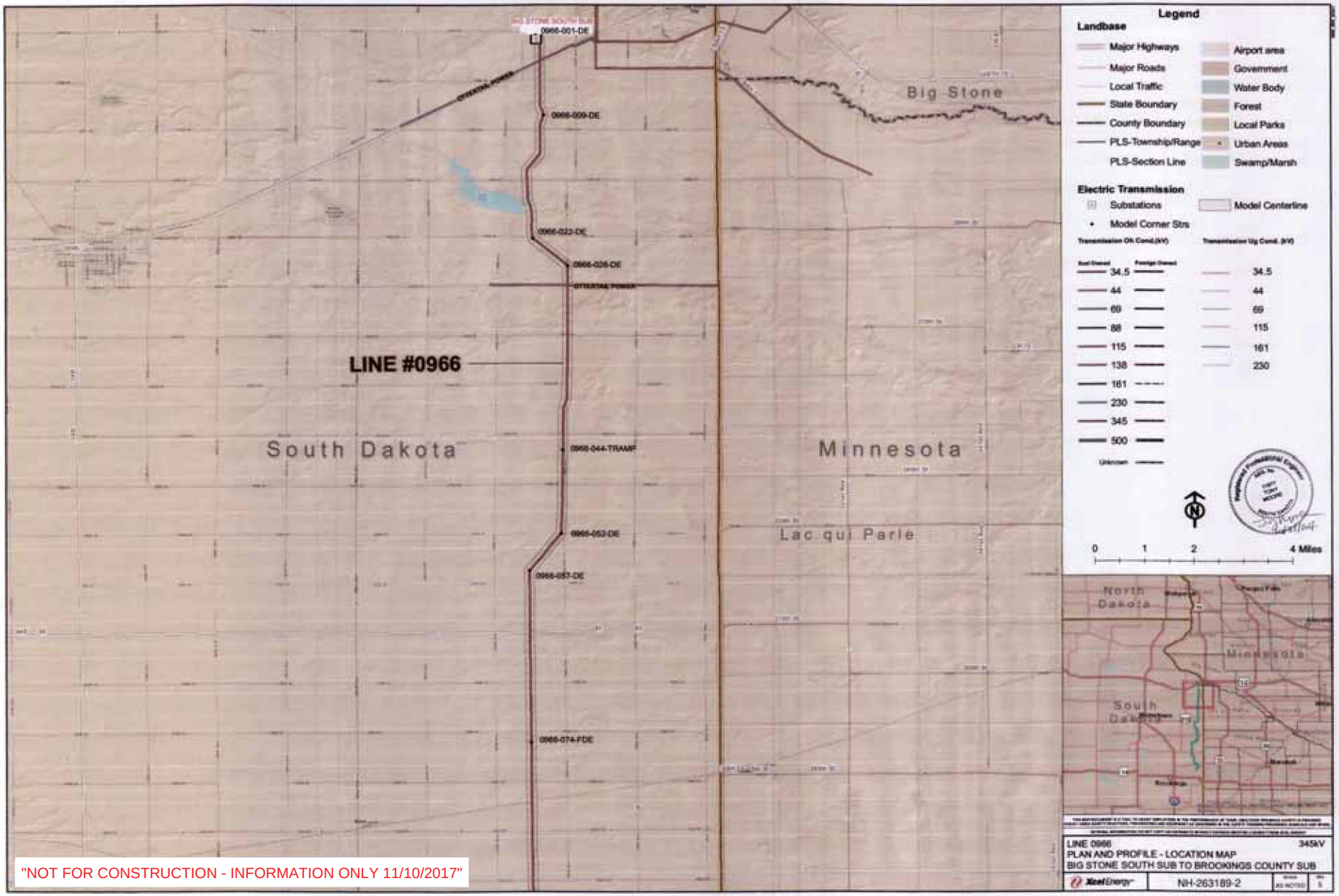
THIS MAP/DOCUMENT IS A TOOL TO ASSIST EMPLOYEES IN THE PERFORMANCE OF THEIR JOBS/YOUR PERSONAL SAFETY IS PROVIDED FOR BY USING SAFETY PRACTICES, PROCEDURES AND EQUIPMENT AS DESCRIBED IN THE SAFETY TRAINING PROGRAMS, MANUALS AND SPARS.
INTERNAL INFORMATION: DO NOT COPY OR DISTRIBUTE WITHOUT EXPRESS WRITTEN CONSENT FROM XCEL ENERGY

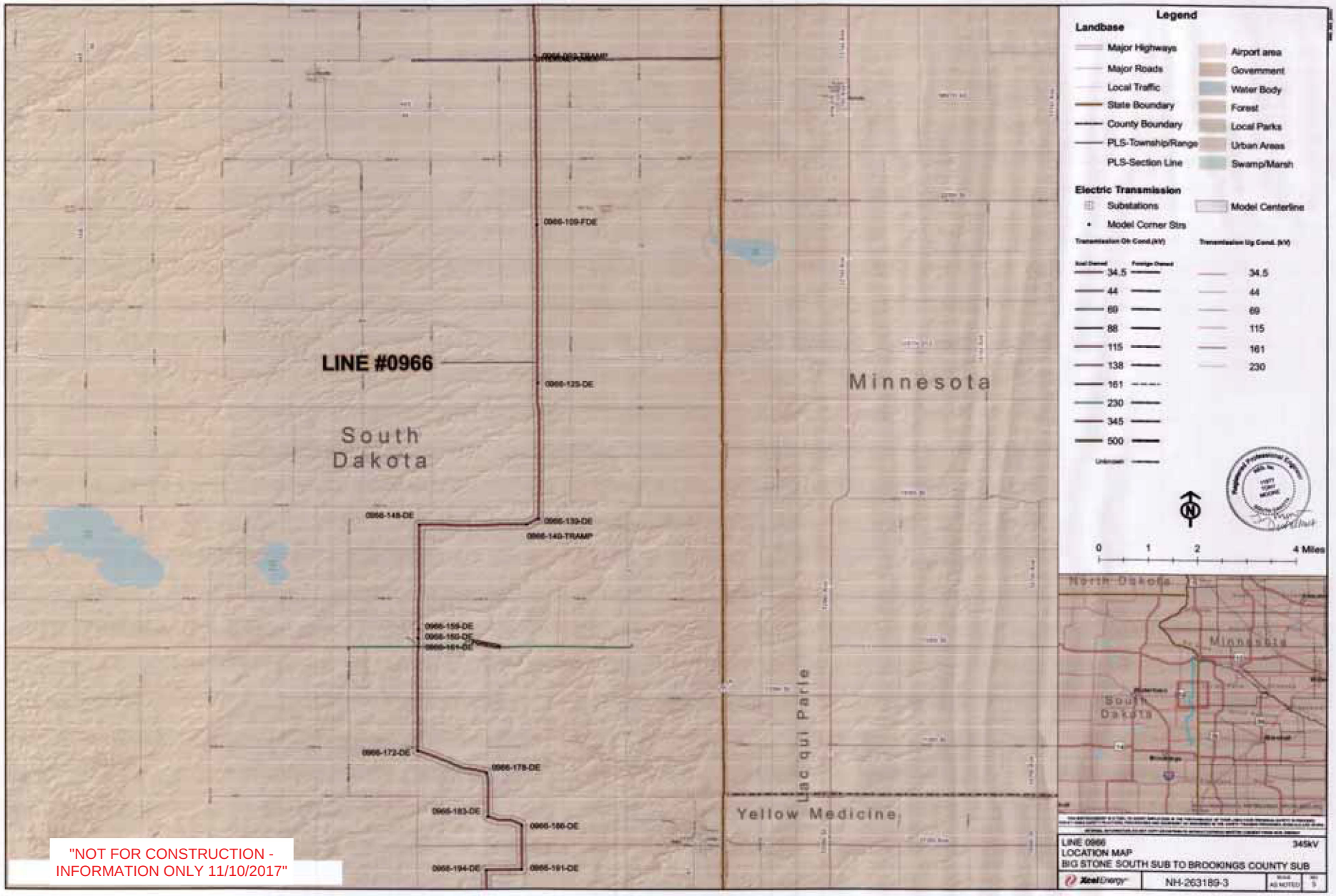
LINE 0966 345kV
PLAN AND PROFILE - COVER SHEET
BIG STONE SOUTH TO BROOKINGS COUNTY

Xcel Energy® NH-263189-1 SCALE NONE REV 5

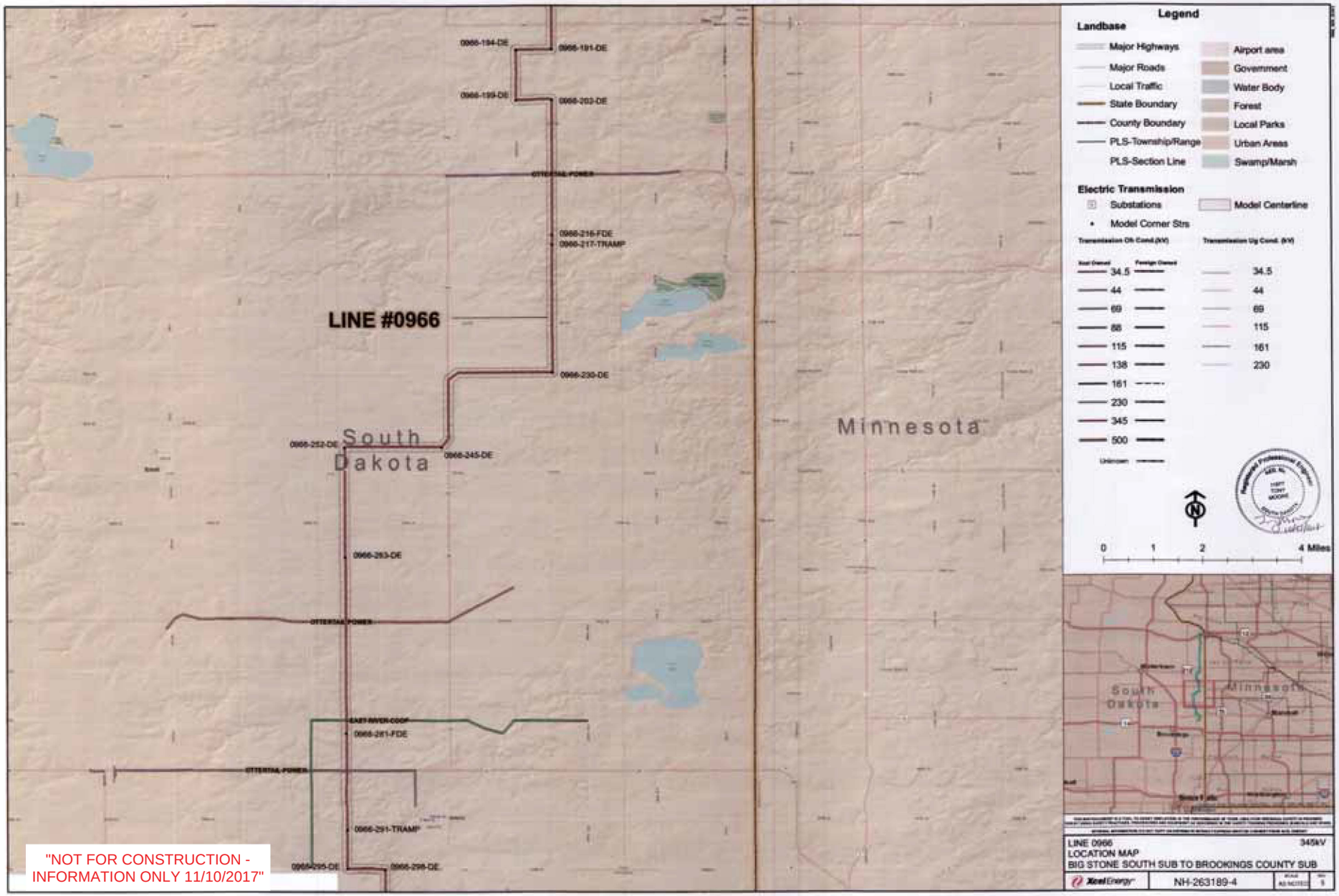
"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"

NH-263189-1.DGN
3/15/2017 9:27:29 AM

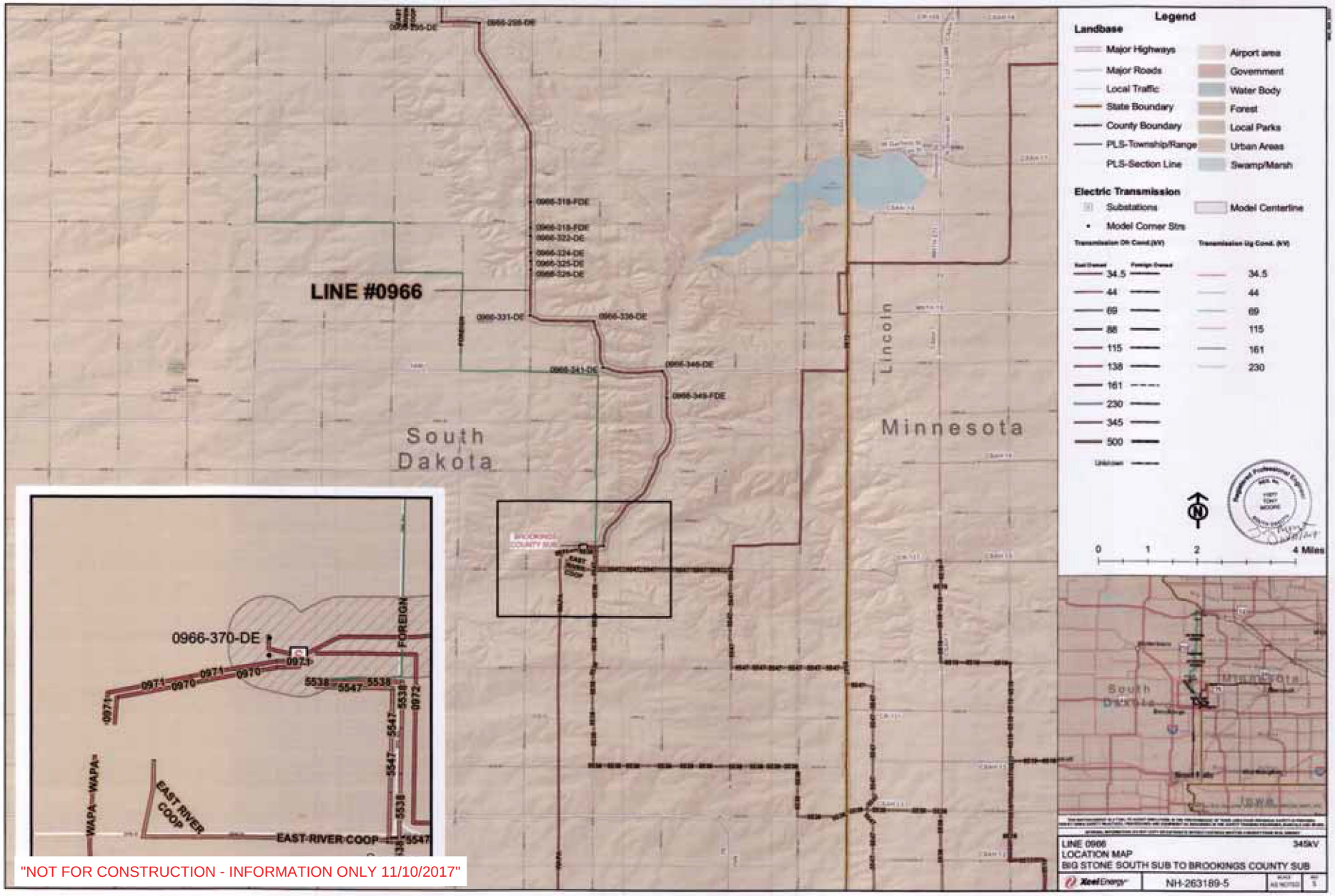

BIG STONE SOUTH SUB
0966-001-DE
0966-009-DE
0966-022-DE
0966-026-DE
OTTERTAIL POWER
LINE #0966
South Dakota
0966-044-TRANSF
0966-053-DE
0966-057-DE
0966-074-FDE
Big Stone
Minnesota
Lac qui Parle
Legend
Landbase
Major Highways
Major Roads
Local Traffic
State Boundary
County Boundary
PLS-Township/Range
PLS-Section Line
Airport area
Government
Water Body
Forest
Local Parks
Urban Areas
Swamp/Marsh
Electric Transmission
Substations
Model Corner Strs
Model Centerline
Transmission Oh Cond.(kV)
Transmission Ug Cond. (kV)
Xcel Owned
Foreign Owned
34.5
44
69
88
115
138
161
230
345
500
Unknown
34.5
44
69
115
161
230
0
1
2
4 Miles
North Dakota
Minnesota
South Dakota
LINE 0966
345kV
PLAN AND PROFILE - LOCATION MAP
BIG STONE SOUTH SUB TO BROOKINGS COUNTY SUB
XcelEnergy
NH-263189-2
AS NOTED
"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"



"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"



"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"



"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"

LINE NUMBER	START STRUCTURE NUMBER	END STRUCTURE NUMBER	RULING SPAN (FT)	SECTION LENGTH (FT)	WIRE TYPE DESCRIPTION	VOLTAGE (KV)	NUMBER OF PHASES	WIRES PER PHASE	NESC 250B TENSION (LBS)	MAXIMUM RATED OPERATING TEMP. (°F)	DISPLAY WEATHER CASE	DISPLAY CONDITION	DISPLAY COLOR
0966	0966-1-DE	0966-9-DE	1019	8165	556.5 ACSR 26/7 DOVE/T2	345	3	2	15734	212	212° F	Creep FE	Light Green
0966	0966-9-DE	0966-22-DE	1045	13470	556.5 ACSR 26/7 DOVE/T2	345	3	2	15503	212	212° F	Creep FE	Light Green
0966	0966-22-DE	0966-26-DE	975	3902	556.5 ACSR 26/7 DOVE/T2	345	3	2	15405	212	212° F	Creep FE	Light Green
0966	0966-26-DE	0966-44	1095	19715	556.5 ACSR 26/7 DOVE/T2	345	3	2	16351	212	212° F	Creep FE	Light Green
0966	0966-44	0966-52-DE	1101	8808	556.5 ACSR 26/7 DOVE/T2	345	3	2	16325	212	212° F	Creep FE	Light Green
0966	0966-52-DE	0966-57-DE	927	4647	556.5 ACSR 26/7 DOVE/T2	345	3	2	15574	212	212° F	Creep FE	Light Green
0966	0966-57-DE	0966-92	1081	37830	556.5 ACSR 26/7 DOVE/T2	345	3	2	16333	212	212° F	Creep FE	Light Green
0966	0966-92	0966-125-DE	1062	35046	556.5 ACSR 26/7 DOVE/T2	345	3	2	16299	212	212° F	Creep FE	Light Green
0966	0966-125-DE	0966-139-DE	1037	14511	556.5 ACSR 26/7 DOVE/T2	345	3	2	16265	212	212° F	Creep FE	Light Green
0966	0966-139-DE	0966-148-DE	1028	9258	556.5 ACSR 26/7 DOVE/T2	345	3	2	15472	212	212° F	Creep FE	Light Green
0966	0966-148-DE	0966-159-DE	1013	11149	556.5 ACSR 26/7 DOVE/T2	345	3	2	15845	212	212° F	Creep FE	Light Green
0966	0966-159-DE	0966-160-DE	988	991	556.5 ACSR 26/7 DOVE/T2	345	3	2	15094	212	212° F	Creep FE	Light Green
0966	0966-160-DE	0966-161-DE	872	877	556.5 ACSR 26/7 DOVE/T2	345	3	2	15029	212	212° F	Creep FE	Light Green
0966	0966-161-DE	0966-172-DE	1011	11117	556.5 ACSR 26/7 DOVE/T2	345	3	2	15884	212	212° F	Creep FE	Light Green
0966	0966-172-DE	0966-178-DE	968	5816	556.5 ACSR 26/7 DOVE/T2	345	3	2	15658	212	212° F	Creep FE	Light Green
0966	0966-178-DE	0966-183-DE	941	4712	556.5 ACSR 26/7 DOVE/T2	345	3	2	15156	212	212° F	Creep FE	Light Green
0966	0966-183-DE	0966-186-DE	940	2812	556.5 ACSR 26/7 DOVE/T2	345	3	2	15178	212	212° F	Creep FE	Light Green
0966	0966-186-DE	0966-191-DE	948	4744	556.5 ACSR 26/7 DOVE/T2	345	3	2	15329	212	212° F	Creep FE	Light Green
0966	0966-191-DE	0966-194-DE	901	2706	556.5 ACSR 26/7 DOVE/T2	345	3	2	14995	212	212° F	Creep FE	Light Green
0966	0966-194-DE	0966-199-DE	1067	5339	556.5 ACSR 26/7 DOVE/T2	345	3	2	15639	212	212° F	Creep FE	Light Green
0966	0966-199-DE	0966-202-DE	897	2697	556.5 ACSR 26/7 DOVE/T2	345	3	2	15127	212	212° F	Creep FE	Light Green
0966	0966-202-DE	0966-230-DE	1040	29087	556.5 ACSR 26/7 DOVE/T2	345	3	2	16480	212	212° F	Creep FE	Light Green
0966	0966-230-DE	0966-237-DE	1032	7227	556.5 ACSR 26/7 DOVE/T2	345	3	2	15326	212	212° F	Creep FE	Light Green
0966	0966-237-DE	0966-238-DE	1005	1010	556.5 ACSR 26/7 DOVE/T2	345	3	2	15359	212	212° F	Creep FE	Light Green
0966	0966-238-DE	0966-245-DE	1053	7368	556.5 ACSR 26/7 DOVE/T2	345	3	2	15863	212	212° F	Creep FE	Light Green
0966	0966-245-DE	0966-252-DE	1060	7417	556.5 ACSR 26/7 DOVE/T2	345	3	2	15911	212	212° F	Creep FE	Light Green
0966	0966-252-DE	0966-263-DE	1055	11612	556.5 ACSR 26/7 DOVE/T2	345	3	2	16175	212	212° F	Creep FE	Light Green
0966	0966-263-DE	0966-295-DE	1039	33256	556.5 ACSR 26/7 DOVE/T2	345	3	2	16313	212	212° F	Creep FE	Light Green
0966	0966-295-DE	0966-298-DE	968	2899	556.5 ACSR 26/7 DOVE/T2	345	3	2	15327	212	212° F	Creep FE	Light Green
0966	0966-298-DE	0966-321-DE	993	22714	556.5 ACSR 26/7 DOVE/T2	345	3	2	15698	212	212° F	Creep FE	Light Green
0966	0966-321-DE	0966-322-DE	892	898	556.5 ACSR 26/7 DOVE/T2	345	3	2	14923	212	212° F	Creep FE	Light Green
0966	0966-322-DE	0966-324-DE	887	1774	556.5 ACSR 26/7 DOVE/T2	345	3	2	14733	212	212° F	Creep FE	Light Green
0966	0966-324-DE	0966-325-DE	879	881	556.5 ACSR 26/7 DOVE/T2	345	3	2	15232	212	212° F	Creep FE	Light Green
0966	0966-325-DE	0966-326-DE	929	932	556.5 ACSR 26/7 DOVE/T2	345	3	2	15697	212	212° F	Creep FE	Light Green
0966	0966-326-DE	0966-331-DE	986	4931	556.5 ACSR 26/7 DOVE/T2	345	3	2	16054	212	212° F	Creep FE	Light Green
0966	0966-331-DE	0966-336-DE	1013	5062	556.5 ACSR 26/7 DOVE/T2	345	3	2	15663	212	212° F	Creep FE	Light Green
0966	0966-336-DE	0966-341-DE	1014	5065	556.5 ACSR 26/7 DOVE/T2	345	3	2	16027	212	212° F	Creep FE	Light Green
0966	0966-341-DE	0966-346-DE	944	4725	556.5 ACSR 26/7 DOVE/T2	345	3	2	15590	212	212° F	Creep FE	Light Green
0966	0966-346-DE	0966-367-DE	964	20195	556.5 ACSR 26/7 DOVE/T2	345	3	2	15930	212	212° F	Creep FE	Light Green
0966	0966-367-DE	0966-370-DE	618	1829	556.5 ACSR 26/7 DOVE/T2	345	3	2	14267	212	212° F	Creep FE	Light Green
0966	0966-BSS-SUB1	0966-1-DE	301	297	dove_acsr-t2_xcel_3000.wir	345	3	2	2459	212	212° F	Creep FE	Light Green
0966	0966-370-DE	0966-371-DE	209	214	dove_acsr-t2_xcel_5000.wir	345	3	2	6459	212	212° F	Creep FE	Light Green
0966	0966-371-DE	0966-BOK-SUB1	265	268	dove_acsr-t2_xcel_5000.wir	345	3	2	5061	212	212° F	Creep FE	Light Green
0966	0966-BSS-SUB1	0966-1-DE	308	297	3-8_7-strand_ehs_steel_xcel_c1075.wir	0	1	1	1229	---	-20° F	Initial FE	Cyan
0966	0966-370-DE	0966-371-DE	198	214	3-8_7-strand_ehs_steel_xcel_c1600.wir	0	1	1	1314	---	-20° F	Initial FE	Cyan
0966	0966-371-DE	0966-BOK-SUB1	259	268	3-8_7-strand_ehs_steel_xcel_c1700.wir	0	1	1	1452	---	-20° F	Initial FE	Cyan
0966	0966-367-DE	0966-370-DE	619	1829	3-8_7-strand_ehs_steel_xcel_c4550.wir	0	1	1	4079	---	-20° F	Initial FE	Cyan
0966	0966-160-DE	0966-161-DE	871	877	3-8_7-strand_ehs_steel_xcel_c5250.wir	0	1	1	4208	---	-20° F	Initial FE	Cyan
0966	0966-324-DE	0966-325-DE	879	881	3-8_7-strand_ehs_steel_xcel_c5250.wir	0	1	1	4553	---	-20° F	Initial FE	Cyan
0966	0966-321-DE	0966-322-DE	892	898	3-8_7-strand_ehs_steel_xcel_c5275.wir	0	1	1	4577	---	-20° F	Initial FE	Cyan
0966	0966-322-DE	0966-324-DE	886	1774	3-8_7-strand_ehs_steel_xcel_c5300.wir	0	1	1	4504	---	-20° F	Initial FE	Cyan
0966	0966-191-DE	0966-194-DE	902	2706	3-8_7-strand_ehs_steel_xcel_c5325.wir	0	1	1	4477	---	-20° F	Initial FE	Cyan
0966	0966-199-DE	0966-202-DE	899	2697	3-8_7-strand_ehs_steel_xcel_c5325.wir	0	1	1	4621	---	-20° F	Initial FE	Cyan
0966	0966-325-DE	0966-326-DE	928	932	3-8_7-strand_ehs_steel_xcel_c5350.wir	0	1	1	4565	---	-20° F	Initial FE	Cyan
0966	0966-52-DE	0966-57-DE	929	4647	3-8_7-strand_ehs_steel_xcel_c5375.wir	0	1	1	5139	---	-20° F	Initial FE	Cyan
0966	0966-178-DE	0966-183-DE	943	4712	3-8_7-strand_ehs_steel_xcel_c5400.wir	0	1	1	4656	---	-20° F	Initial FE	Cyan
0966	0966-183-DE	0966-186-DE	941	2812	3-8_7-strand_ehs_steel_xcel_c5400.wir	0	1	1	4795	---	-20° F	Initial FE	Cyan
0966	0966-341-DE	0966-346-DE	944	4725	3-8_7-strand_ehs_steel_xcel_c5400.wir	0	1	1	4712	---	-20° F	Initial FE	Cyan
0966	0966-186-DE	0966-191-DE	951	4744	3-8_7-strand_ehs_steel_xcel_c5425.wir	0	1	1	4602	---	-20° F	Initial FE	Cyan
0966	0966-346-DE	0966-367-DE	964	20195	3-8_7-strand_ehs_steel_xcel_c5425.wir	0	1	1	4927	---	-20° F	Initial FE	Cyan
0966	0966-172-DE	0966-178-DE	969	5816	3-8_7-strand_ehs_steel_xcel_c5450.wir	0	1	1	4715	---	-20° F	Initial FE	Cyan

NOTES:
1. WIRE TENSIONS SHOWN INDICATE THE TOTAL LOAD WITH THE WIRE IN INITIAL CONDITION UNDER NESC HEAVY LOAD CONDITIONS (0.5" RADIAL ICE THICKNESS, 4 LB/FT^2 HORIZONTAL WIND PRESSURE, 0°F WIRE TEMPERATURE, ADDITIVE CONSTANT = 0.3 LB/FT).
2. WIRE TENSION SHOWN IS FOR THE HIGHEST TENSION WIRE OF EACH SET.
3. FOR BUNDLED CONDUCTORS, WIRE TENSIONS SHOWN ARE FOR A SINGLE SUBCONDUCTOR.
4. SECTION LENGTH DISPLAYED AS STATION DISTANCE.

"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"

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LINE 0966 345KV
PLAN AND PROFILE - SECTIONS TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-6	SCALE NONE	REV 5

LINE NUMBER	START STRUCTURE NUMBER	END STRUCTURE NUMBER	RULING SPAN (FT)	SECTION LENGTH (FT)	WIRE TYPE DESCRIPTION	VOLTAGE (KV)	NUMBER OF PHASES	WIRES PER PHASE	NESC 250B TENSION (LBS)	MAXIMUM RATED OPERATING TEMP. (°F)	DISPLAY WEATHER CASE	DISPLAY CONDITION	DISPLAY COLOR
0966	0966-295-DE	0966-298-DE	969	2899	3-8_7-strand_ehs_steel_xcel_c5450.wir	0	1	1	4657	---	-20° F	Initial FE	Cyan
0966	0966-22-DE	0966-26-DE	976	3902	3-8_7-strand_ehs_steel_xcel_c5475.wir	0	1	1	5052	---	-20° F	Initial FE	Cyan
0966	0966-1-DE	0966-9-DE	1023	8165	3-8_7-strand_ehs_steel_xcel_c5500.wir	0	1	1	5032	---	-20° F	Initial FE	Cyan
0966	0966-159-DE	0966-160-DE	988	991	3-8_7-strand_ehs_steel_xcel_c5500.wir	0	1	1	4634	---	-20° F	Initial FE	Cyan
0966	0966-298-DE	0966-321-DE	993	22714	3-8_7-strand_ehs_steel_xcel_c5500.wir	0	1	1	4866	---	-20° F	Initial FE	Cyan
0966	0966-326-DE	0966-331-DE	986	4931	3-8_7-strand_ehs_steel_xcel_c5500.wir	0	1	1	4836	---	-20° F	Initial FE	Cyan
0966	0966-161-DE	0966-172-DE	1010	11117	3-8_7-strand_ehs_steel_xcel_c5525.wir	0	1	1	4999	---	-20° F	Initial FE	Cyan
0966	0966-237-DE	0966-238-DE	1000	1010	3-8_7-strand_ehs_steel_xcel_c5525.wir	0	1	1	4681	---	-20° F	Initial FE	Cyan
0966	0966-148-DE	0966-159-DE	1013	11149	3-8_7-strand_ehs_steel_xcel_c5550.wir	0	1	1	4957	---	-20° F	Initial FE	Cyan
0966	0966-331-DE	0966-336-DE	1013	5062	3-8_7-strand_ehs_steel_xcel_c5550.wir	0	1	1	4856	---	-20° F	Initial FE	Cyan
0966	0966-336-DE	0966-341-DE	1015	5065	3-8_7-strand_ehs_steel_xcel_c5550.wir	0	1	1	4870	---	-20° F	Initial FE	Cyan
0966	0966-125-DE	0966-139-DE	1038	14511	3-8_7-strand_ehs_steel_xcel_c5575.wir	0	1	1	5410	---	-20° F	Initial FE	Cyan
0966	0966-139-DE	0966-148-DE	1028	9258	3-8_7-strand_ehs_steel_xcel_c5575.wir	0	1	1	4845	---	-20° F	Initial FE	Cyan
0966	0966-202-DE	0966-230-DE	1041	29087	3-8_7-strand_ehs_steel_xcel_c5575.wir	0	1	1	5001	---	-20° F	Initial FE	Cyan
0966	0966-230-DE	0966-237-DE	1033	7227	3-8_7-strand_ehs_steel_xcel_c5575.wir	0	1	1	4902	---	-20° F	Initial FE	Cyan
0966	0966-263-DE	0966-295-DE	1039	33256	3-8_7-strand_ehs_steel_xcel_c5575.wir	0	1	1	4904	---	-20° F	Initial FE	Cyan
0966	0966-9-DE	0966-22-DE	1045	13470	3-8_7-strand_ehs_steel_xcel_c5600.wir	0	1	1	4929	---	-20° F	Initial FE	Cyan
0966	0966-238-DE	0966-245-DE	1054	7368	3-8_7-strand_ehs_steel_xcel_c5600.wir	0	1	1	5000	---	-20° F	Initial FE	Cyan
0966	0966-92	0966-125-DE	1062	35046	3-8_7-strand_ehs_steel_xcel_c5625.wir	0	1	1	4983	---	-20° F	Initial FE	Cyan
0966	0966-194-DE	0966-199-DE	1065	5339	3-8_7-strand_ehs_steel_xcel_c5625.wir	0	1	1	4836	---	-20° F	Initial FE	Cyan
0966	0966-245-DE	0966-252-DE	1060	7417	3-8_7-strand_ehs_steel_xcel_c5625.wir	0	1	1	5011	---	-20° F	Initial FE	Cyan
0966	0966-252-DE	0966-263-DE	1055	11612	3-8_7-strand_ehs_steel_xcel_c5625.wir	0	1	1	4968	---	-20° F	Initial FE	Cyan
0966	0966-57-DE	0966-92	1081	37830	3-8_7-strand_ehs_steel_xcel_c5650.wir	0	1	1	5570	---	-20° F	Initial FE	Cyan
0966	0966-26-DE	0966-44	1095	19715	3-8_7-strand_ehs_steel_xcel_c5675.wir	0	1	1	5364	---	-20° F	Initial FE	Cyan
0966	0966-44	0966-52-DE	1101	8808	3-8_7-strand_ehs_steel_xcel_c5700.wir	0	1	1	4958	---	-20° F	Initial FE	Cyan
0966	0966-BSS-SUB1	0966-1-DE	278	297	afl-ac-48f-ogw039_c1075.wir	0	1	1	1530	---	-20° F	Initial FE	Orange
0966	0966-370-DE	0966-371-DE	228	214	afl-ac-48f-ogw039_c1600.wir	0	1	1	2076	---	-20° F	Initial FE	Orange
0966	0966-371-DE	0966-BOK-SUB1	274	268	afl-ac-48f-ogw039_c1700.wir	0	1	1	2949	---	-20° F	Initial FE	Orange
0966	0966-367-DE	0966-370-DE	621	1829	afl-ac-48f-ogw039_c4550.wir	0	1	1	5908	---	-20° F	Initial FE	Orange
0966	0966-160-DE	0966-161-DE	871	877	afl-ac-48f-ogw039_c5250.wir	0	1	1	6470	---	-20° F	Initial FE	Orange
0966	0966-324-DE	0966-325-DE	879	881	afl-ac-48f-ogw039_c5250.wir	0	1	1	6794	---	-20° F	Initial FE	Orange
0966	0966-321-DE	0966-322-DE	891	898	afl-ac-48f-ogw039_c5275.wir	0	1	1	6859	---	-20° F	Initial FE	Orange
0966	0966-322-DE	0966-324-DE	886	1774	afl-ac-48f-ogw039_c5300.wir	0	1	1	6868	---	-20° F	Initial FE	Orange
0966	0966-191-DE	0966-194-DE	902	2706	afl-ac-48f-ogw039_c5325.wir	0	1	1	6827	---	-20° F	Initial FE	Orange
0966	0966-199-DE	0966-202-DE	899	2697	afl-ac-48f-ogw039_c5325.wir	0	1	1	6947	---	-20° F	Initial FE	Orange
0966	0966-325-DE	0966-326-DE	928	932	afl-ac-48f-ogw039_c5350.wir	0	1	1	6885	---	-20° F	Initial FE	Orange
0966	0966-52-DE	0966-57-DE	928	4647	afl-ac-48f-ogw039_c5375.wir	0	1	1	7419	---	-20° F	Initial FE	Orange
0966	0966-178-DE	0966-183-DE	942	4712	afl-ac-48f-ogw039_c5400.wir	0	1	1	7058	---	-20° F	Initial FE	Orange
0966	0966-183-DE	0966-186-DE	940	2812	afl-ac-48f-ogw039_c5400.wir	0	1	1	6937	---	-20° F	Initial FE	Orange
0966	0966-341-DE	0966-346-DE	946	4725	afl-ac-48f-ogw039_c5400.wir	0	1	1	7096	---	-20° F	Initial FE	Orange
0966	0966-186-DE	0966-191-DE	946	4744	afl-ac-48f-ogw039_c5425.wir	0	1	1	6820	---	-20° F	Initial FE	Orange
0966	0966-346-DE	0966-349-SWDE	962	2894	afl-ac-48f-ogw039_c5425.wir	0	1	1	6844	---	-20° F	Initial FE	Orange
0966	0966-349-SWDE	0966-367-DE	962	17300	afl-ac-48f-ogw039_c5425.wir	0	1	1	7110	---	-20° F	Initial FE	Orange
0966	0966-172-DE	0966-178-DE	970	5816	afl-ac-48f-ogw039_c5450.wir	0	1	1	7100	---	-20° F	Initial FE	Orange
0966	0966-295-DE	0966-298-DE	969	2899	afl-ac-48f-ogw039_c5450.wir	0	1	1	7183	---	-20° F	Initial FE	Orange
0966	0966-22-DE	0966-26-DE	977	3902	afl-ac-48f-ogw039_c5475.wir	0	1	1	7499	---	-20° F	Initial FE	Orange
0966	0966-159-DE	0966-160-DE	988	991	afl-ac-48f-ogw039_c5500.wir	0	1	1	6909	---	-20° F	Initial FE	Orange
0966	0966-298-DE	0966-318-SWDE	1001	19976	afl-ac-48f-ogw039_c5500.wir	0	1	1	7187	---	-20° F	Initial FE	Orange
0966	0966-318-SWDE	0966-321-DE	925	2738	afl-ac-48f-ogw039_c5500.wir	0	1	1	6932	---	-20° F	Initial FE	Orange
0966	0966-326-DE	0966-331-DE	988	4931	afl-ac-48f-ogw039_c5500.wir	0	1	1	7384	---	-20° F	Initial FE	Orange
0966	0966-161-DE	0966-172-DE	1012	11117	afl-ac-48f-ogw039_c5525.wir	0	1	1	7469	---	-20° F	Initial FE	Orange
0966	0966-237-DE	0966-238-DE	1018	1010	afl-ac-48f-ogw039_c5525.wir	0	1	1	7027	---	-20° F	Initial FE	Orange
0966	0966-1-DE	0966-9-DE	1019	8165	afl-ac-48f-ogw039_c5550.wir	0	1	1	6631	---	-20° F	Initial FE	Orange
0966	0966-148-DE	0966-157-SWDE	1014	9116	afl-ac-48f-ogw039_c5550.wir	0	1	1	7210	---	-20° F	Initial FE	Orange
0966	0966-157-SWDE	0966-159-DE	1015	2033	afl-ac-48f-ogw039_c5550.wir	0	1	1	7035	---	-20° F	Initial FE	Orange
0966	0966-331-DE	0966-336-DE	1014	5062	afl-ac-48f-ogw039_c5550.wir	0	1	1	7196	---	-20° F	Initial FE	Orange
0966	0966-336-DE	0966-341-DE	1014	5065	afl-ac-48f-ogw039_c5550.wir	0	1	1	7208	---	-20° F	Initial FE	Orange
0966	0966-125-DE	0966-139-DE	1038	14511	afl-ac-48f-ogw039_c5575.wir	0	1	1	7808	---	-20° F	Initial FE	Orange
0966	0966-139-DE	0966-148-DE	1027	9258	afl-ac-48f-ogw039_c5575.wir	0	1	1	7214	---	-20° F	Initial FE	Orange
0966	0966-202-DE	0966-216-SWDE	1026	14358	afl-ac-48f-ogw039_c5575.wir	0	1	1	7062	---	-20° F	Initial FE	Orange
0966	0966-216-SWDE	0966-230-DE	1053	14729	afl-ac-48f-ogw039_c5575.wir	0	1	1	7162	---	-20° F	Initial FE	Orange
0966	0966-230-DE	0966-237-DE	1032	7227	afl-ac-48f-ogw039_c5575.wir	0	1	1	7295	---	-20° F	Initial FE	Orange

NOTES:
1. WIRE TENSIONS SHOWN INDICATE THE TOTAL LOAD WITH THE WIRE IN INITIAL CONDITION UNDER NESC HEAVY LOAD CONDITIONS
(0.5" RADIAL ICE THICKNESS, 4 LB/FT^2 HORIZONTAL WIND PRESSURE, 0°F WIRE TEMPERATURE, ADDITIVE CONSTANT = 0.3 LB/FT).
2. WIRE TENSION SHOWN IS FOR THE HIGHEST TENSION WIRE OF EACH SET.
3. FOR BUNDLED CONDUCTORS, WIRE TENSIONS SHOWN ARE FOR A SINGLE SUBCONDUCTOR.
4. SECTION LENGTH DISPLAYED AS STATION DISTANCE.

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LINE 0966 345KV
PLAN AND PROFILE - SECTIONS TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-7	SCALE NONE	REV 5

LINE NUMBER	START STRUCTURE NUMBER	END STRUCTURE NUMBER	RULING SPAN (FT)	SECTION LENGTH (FT)	WIRE TYPE DESCRIPTION	VOLTAGE (KV)	NUMBER OF PHASES	WIRES PER PHASE	NESC 250B TENSION (LBS)	MAXIMUM RATED OPERATING TEMP. (°F)	DISPLAY WEATHER CASE	DISPLAY CONDITION	DISPLAY COLOR
0966	0966-263-DE	0966-281-SWDE	1047	18851	afl-ac-48f-ogw039_c5575.wir	0	1	1	7405	---	-20° F	Initial FE	Orange
0966	0966-281-SWDE	0966-295-DE	1029	14405	afl-ac-48f-ogw039_c5575.wir	0	1	1	7174	---	-20° F	Initial FE	Orange
0966	0966-9-DE	0966-22-DE	1045	13470	afl-ac-48f-ogw039_c5600.wir	0	1	1	7151	---	-20° F	Initial FE	Orange
0966	0966-238-DE	0966-245-DE	1052	7368	afl-ac-48f-ogw039_c5600.wir	0	1	1	7294	---	-20° F	Initial FE	Orange
0966	0966-92	0966-109-SWDE	1064	18095	afl-ac-48f-ogw039_c5625.wir	0	1	1	7259	---	-20° F	Initial FE	Orange
0966	0966-109-SWDE	0966-125-DE	1059	16951	afl-ac-48f-ogw039_c5625.wir	0	1	1	7341	---	-20° F	Initial FE	Orange
0966	0966-194-DE	0966-199-DE	1071	5339	afl-ac-48f-ogw039_c5625.wir	0	1	1	7136	---	-20° F	Initial FE	Orange
0966	0966-245-DE	0966-252-DE	1061	7417	afl-ac-48f-ogw039_c5625.wir	0	1	1	7314	---	-20° F	Initial FE	Orange
0966	0966-252-DE	0966-263-DE	1056	11612	afl-ac-48f-ogw039_c5625.wir	0	1	1	7421	---	-20° F	Initial FE	Orange
0966	0966-57-DE	0966-74-SWDE	1080	18356	afl-ac-48f-ogw039_c5650.wir	0	1	1	7114	---	-20° F	Initial FE	Orange
0966	0966-74-SWDE	0966-92	1082	19473	afl-ac-48f-ogw039_c5650.wir	0	1	1	8013	---	-20° F	Initial FE	Orange
0966	0966-26-DE	0966-44	1094	19715	afl-ac-48f-ogw039_c5675.wir	0	1	1	7856	---	-20° F	Initial FE	Orange
0966	0966-44	0966-52-DE	1101	8808	afl-ac-48f-ogw039_c5700.wir	0	1	1	7251	---	-20° F	Initial FE	Orange

NOTES:
1. WIRE TENSIONS SHOWN INDICATE THE TOTAL LOAD WITH THE WIRE IN INITIAL CONDITION UNDER NESC HEAVY LOAD CONDITIONS (0.5" RADIAL ICE THICKNESS, 4 LB/FT^2 HORIZONTAL WIND PRESSURE, 0°F WIRE TEMPERATURE, ADDITIVE CONSTANT = 0.3 LB/FT).
2. WIRE TENSION SHOWN IS FOR THE HIGHEST TENSION WIRE OF EACH SET.
3. FOR BUNDLED CONDUCTORS, WIRE TENSIONS SHOWN ARE FOR A SINGLE SUBCONDUCTOR.
4. SECTION LENGTH DISPLAYED AS STATION DISTANCE.

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LINE 0966 345KV
PLAN AND PROFILE - SECTIONS TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-8	SCALE NONE	REV 5

STRUCTURES

STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS
0966-BSS-SUB1	296.9	20+00.00	---	STR NH-263152-1_R1	---	---	---	---
0966-1-DE	1053.4	45+71.18	104° 19' 0.0"	STR NH-263135-1_R1 STR NH-263135-2 STR NH-263135-4	LD NH-263067	STL ND-263105-PST243 STL ND-263105-PST244	FDN NH-263862-ABC1815	SB NX-263168-1001
	1053.4							
0966-2	1070.3	56+24.62	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1002
0966-3	983.7	66+94.92	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263168-1003
0966-4	1022.1	76+78.63	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263862-ABC1803	SB NX-263168-1004
0966-5	1001.7	87+00.69	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1005
0966-6	1002.5	97+02.39	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263170-1006
0966-7	1002.1	107+04.84	-1° 4' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263170-1007
0966-8	1029.2	117+06.91	-14° 18' 0.0"	STR NH-263130-1(L) STR NH-263130-2	LD NH-263062	STL ND-263098-PST230	FDN NH-263862-ABC1815	SB NX-263179-1008
0966-9-DE	1022.8	127+36.15	30° 55' 0.0"	STR NH-263137-1_R1 STR NH-263137-2	LD NH-263069	STL ND-263107-PST248	FDN NH-263862-ABC1818	SB NX-263170-1009 OPGW SPLICE
	1022.8							
0966-10	960.2	137+58.91	-14° 31' 0.0"	STR NH-263130-1(L) STR NH-263130-2	LD NH-263062	STL ND-263098-PST228	FDN NH-263862-ABC1811	SB NX-263179-1010
0966-11	954.7	147+19.10	-1° 2' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263862-ABC1802	SB NX-263168-1011
0966-12	1251.0	156+73.80	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263862-ABC1803	SB NX-263168-1012
0966-13	982.4	169+24.98	---	STR NH-263195-1 STR NH-263195-2	LD NH-263193	STL ND-263098-PST1168	FDN NH-263862-ABC1815	SB NX-263168-1013
	982.4							
0966-14	982.6	179+07.35	-1° 41' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263170-1014
0966-15	1063.0	188+89.95	-32° 12' 0.0"	STR NH-263195-1 STR NH-263195-2	LD NH-263193	STL ND-263098-PST1166	FDN NH-263862-ABC1808	SB NX-263168-1015
	1063.0							
0966-16	1062.8	199+52.91	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1016
0966-17	1062.7	210+15.75	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263168-1017
0966-18	1050.9	220+78.41	-11° 53' 0.0"	STR NH-263130-1(L) STR NH-263130-2	LD NH-263062	STL ND-263098-PST229	FDN NH-263862-ABC1812	SB NX-263168-1018
0966-19	1030.1	231+29.27	14° 7' 0.0"	STR NH-263130-1(R) STR NH-263130-2	LD NH-263062	STL ND-263098-PST230	FDN NH-263862-ABC1815	SB NX-263168-1019
0966-20	1018.3	241+59.40	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263862-ABC1802	SB NX-263168-1020
0966-21	1028.6	251+77.68	-4° 7' 0.0"	STR NH-263128-1(L) STR NH-263128-2	LD NH-263060	STL ND-263098-PST178	FDN NH-263862-ABC1805	SB NX-263168-1021
0966-22-DE	977.0	262+06.31	-37° 56' 0.0"	STR NH-263137-1_R1 STR NH-263137-2	LD NH-263070	STL ND-263107-PST253	FDN NH-263862-ABC1815	SB NX-263167-1022
	977.0							
0966-23	977.2	271+83.33	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263170-1023; NX-263179-1023
0966-24	976.4	281+60.47	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263862-ABC1803	SB NX-263170-1024; NX-263179-1024
0966-25	971.8	291+36.87	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263167-1025; NX-263179-1025
0966-26-DE	1099.5	301+08.68	---	STR NH-263137-1_R1 STR NH-263137-2	LD NH-263071	STL ND-263107-PST256	FDN NH-263862-ABC1823	SB NX-263168-1026; NX-263179-1026 OPGW SPLICE
	1099.5							
0966-27	1095.2	312+10.10	-1° 5' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263167-1027

STRUCTURE COMPONENTS

POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
STR_HUB	DUMMY STRUCTURE, POLE INFORMATION UNKNOWN	UNK	UNK
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	130.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	130.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	155.5	---
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	140.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	125.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	125.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	155.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	155.5	---
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, VERTICAL	140.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	140.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, VERTICAL	165.5	---
RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, VERTICAL	165.5	---
CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy

NH-263189-9	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-28	1100.4	323+05.27	-0º 17' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263168-1028	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-29	1089.9	334+05.66	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263168-1029	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-30	1110.4	344+95.52	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1030	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-31	1100.2	356+05.95	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263170-1031	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-32	1105.1	367+06.11	0º 20' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263168-1032	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-33	1105.8	378+11.20	0º 44' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263862-ABC1803	SB NX-263170-1033	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
0966-34	1104.5	389+16.98	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263862-ABC1803	SB NX-263168-1034	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
0966-35	1096.0	400+21.49	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1035	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-36	1097.7	411+17.50	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263170-1036	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-37	1060.4	422+15.17	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263862-ABC1802	SB NX-263168-1037	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-38	1069.1	432+75.57	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263168-1038	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-39	1076.6	443+44.66	12º 59' 0.0"	STR NH-263130-1(R) STR NH-263130-2	LD NH-263062	STL ND-263098-PST230	FDN NH-263862-ABC1815	SB NX-263168-1039	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	155.5	---
0966-40	1096.1	454+21.30	-12º 59' 0.0"	STR NH-263130-1(L) STR NH-263130-2	LD NH-263062	STL ND-263098-PST229	FDN NH-263862-ABC1812	SB NX-263168-1040	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-41	1106.1	465+17.38	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263169-1041	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-42	1101.1	476+23.52	-0º 20' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263862-ABC1802	SB NX-263169-1042	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-43	1101.1	487+24.59	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263862-ABC1804	SB NX-263169-1043	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-44	1101.1	498+25.73	---	STR NH-263134-1_R1 STR NH-263134-2	LD NH-263066	STL ND-263103-PST240	FDN NH-263863-ABC1813	SB NX-263170-1044 OPGW SPLICE	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, TRANSPOSITION	125.5	---
	1101.1								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, TRANSPOSITION	125.5	---
0966-45	1100.8	509+26.78	-0º 19' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263863-ABC1804	SB NX-263170-1045	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-46	1101.3	520+27.60	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263168-1046	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-47	1106.1	531+28.93	0º 35' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263168-1047	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-48	1107.0	542+35.03	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263168-1048	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-49	1085.0	553+42.02	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263863-ABC1802	SB NX-263169-1049	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-50	1106.6	564+27.06	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1050	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-51	1099.8	575+33.61	0º 26' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263863-ABC1804	SB NX-263169-1051	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-52-DE	931.9	586+33.45	---	STR NH-263137-1_R1 STR NH-263137-2	LD NH-263069	STL ND-263107-PST252	FDN NH-263863-ABC1822	SB NX-263169-1052	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	155.5	---
	931.9								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	155.5	---
0966-53	928.7	595+65.89	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1053	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-54	929.0	604+94.59	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST214	FDN NH-263863-ABC1800	SB NX-263169-1054	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	130.5	---
0966-55	928.1	614+23.62	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST214	FDN NH-263863-ABC1800	SB NX-263169-1055	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	130.5	---
0966-56	929.1	623+51.70	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263863-ABC1802	SB NX-263169-1056	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-57-DE	1061.5	632+80.79	-31º 4' 0.0"	STR NH-263137-1_R1 STR NH-263137-2	LD NH-263069	STL ND-263107-PST2139	FDN NH-263863-ABC1818	SB NX-263169-1057 OPGW SPLICE	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	145.5	---
	1061.5								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	145.5	---
0966-58	1087.3	643+42.32	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1058	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-59	1086.9	654+29.60	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263863-ABC1802	SB NX-263169-1059	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-60	1087.4	665+16.52	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1060	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-10	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-61	1086.7	676+03.95	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1061	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-62	1082.9	686+90.65	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263863-ABC1802	SB NX-263169-1062	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-63	1081.7	697+73.53	-0° 16' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263863-ABC1803	SB NX-263169-1063	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
0966-64	1082.4	708+55.21	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263863-ABC1804	SB NX-263169-1064	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-65	1082.1	719+37.59	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1065	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-66	1092.4	730+19.71	0° 26' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1066	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-67	1087.6	741+12.14	-0° 55' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263863-ABC1802	SB NX-263169-1067	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-68	1066.4	751+99.76	0° 28' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1068	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-69	1082.3	762+66.16	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1069	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-70	1082.0	773+48.45	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1070	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-71	1062.4	784+30.47	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1071; NX-263179-1071	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-72	1051.6	794+92.88	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1072	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-73	1092.5	805+44.49	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263167-1073	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-74-SWDE	1093.3	816+37.00	---	STR NH-263127-1 STR NH-263127-2	LD NH-263059	STL ND-263096-PST2134	FDN NH-263863-ABC1802	SB NX-263169-1074 OPGW-FDE	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-75	1092.5	827+30.33	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1075	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-76	1098.1	838+22.83	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1076	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-77	1074.0	849+20.93	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1077	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-78	1086.6	859+94.97	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1078	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-79	1072.9	870+81.60	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1079	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-80	1092.9	881+54.45	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1080	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-81	1073.0	892+47.37	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1081	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-82	1093.1	903+20.37	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1082	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-83	1092.6	914+13.42	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1083	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-84	1078.6	925+06.04	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1084; NX-263179-1084	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-85	1087.2	935+84.60	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1085	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-86	1063.0	946+71.81	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1086	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-87	1091.7	957+34.82	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263863-ABC1802	SB NX-263169-1087; NX-263179-1087	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-88	1078.8	968+26.47	-3° 28' 0.0"	STR NH-263128-1(L) STR NH-263128-2	LD NH-263060	STL ND-263098-PST223	FDN NH-263863-ABC1804	SB NX-263169-1088	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-89	1065.3	979+05.23	3° 45' 0.0"	STR NH-263128-1(R) STR NH-263128-2	LD NH-263060	STL ND-263098-PST223	FDN NH-263863-ABC1804	SB NX-263169-1089; NX-263179-1089	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-90	1065.0	989+70.54	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1090	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-91	1075.0	1000+35.52	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263863-ABC1802	SB NX-263169-1091	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-92	1055.1	1011+10.49	---	STR NH-263134-1_R1 STR NH-263134-2	LD NH-263066	STL ND-263103-PST2138	FDN NH-263864-ABC1821	SB NX-263169-1092 OPGW SPLICE	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, TRANSPOSITION	150.5	---
	1055.1								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, TRANSPOSITION	150.5	---
0966-93	1065.7	1021+65.53	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST220	FDN NH-263864-ABC1805	SB NX-263169-1093; NX-263179-1093	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	160.5	---
0966-94	1064.2	1032+31.20	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263169-1094; NX-263179-1094	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-95	1050.3	1042+95.44	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1095	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

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NH-263189-11	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-96	1064.9	1053+45.75	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1096	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-97	1079.6	1064+10.67	0° 19' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263169-1097	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-98	1065.0	1074+90.29	0° 16' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1098	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-99	1065.0	1085+55.31	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1099	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-100	1065.2	1096+20.32	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1100	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-101	1075.5	1106+85.54	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263169-1101	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-102	1045.1	1117+61.01	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263169-1102	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-103	1074.6	1128+06.09	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263864-ABC1804	SB NX-263169-1103	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-104	1064.9	1138+80.72	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1104	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-105	1065.0	1149+45.57	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263169-1105	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-106	1065.2	1160+10.51	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263169-1106	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-107	1064.7	1170+75.70	-0° 23' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263169-1107	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-108	1065.1	1181+40.44	-0° 17' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST219	FDN NH-263864-ABC1803	SB NX-263172-2001	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT	155.5	---
0966-109-SWDE	1060.2	1192+05.53	---	STR NH-263127-1 STR NH-263127-2	LD NH-263059	STL ND-263096-PST222	FDN NH-263864-ABC1803	SB NX-263172-2002 OPGW-FDE	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-110	1059.4	1202+65.77	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2003	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-111	1059.1	1213+25.13	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2004	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-112	1059.4	1223+84.22	0° 41' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263172-2005	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-113	1059.7	1234+43.58	0° 25' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263172-2006	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-114	1059.2	1245+03.26	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263172-2007	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-115	1059.6	1255+62.49	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2008	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-116	1060.0	1266+22.07	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2009	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-117	1058.1	1276+82.08	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263172-2010	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-118	1059.8	1287+40.21	-1° 17' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2011	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-119	1049.7	1298+00.06	0° 52' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2012	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-120	1069.4	1308+49.78	0° 20' 0.0"	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2013	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-121	1059.4	1319+19.15	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2014	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-122	1058.7	1329+78.50	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263172-2015	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-123	1070.1	1340+37.15	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263864-ABC1804	SB NX-263172-2016	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-124	1049.4	1351+07.24	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263864-ABC1804	SB NX-263172-2017	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-125-DE	1069.8	1361+56.62	---	STR NH-263133-1_R1 STR NH-263133-2	LD NH-263065	STL ND-263103-PST2136	FDN NH-263864-ABC1814	SB NX-263172-2018 OPGW SPLICE	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	145.5	---
	1069.8								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	145.5	---
0966-126	1075.0	1372+26.38	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2019	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-127	1039.0	1383+01.36	-4° 40' 0.0"	STR NH-263128-1(L) STR NH-263128-2	LD NH-263060	STL ND-263098-PST177	FDN NH-263864-ABC1805	SB NX-263171-2020	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-128	1089.4	1393+40.34	4° 44' 0.0"	STR NH-263128-1(R) STR NH-263128-2	LD NH-263060	STL ND-263098-PST177	FDN NH-263864-ABC1805	SB NX-263172-2021	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-129	1089.7	1404+29.73	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263172-2022	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-130	1016.6	1415+19.38	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263172-2023	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-12	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-131	1027.1	1425+35.95	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263172-2024	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-132	975.7	1435+63.08	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263172-2025	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-133	1047.2	1445+38.82	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST220	FDN NH-263864-ABC1805	SB NX-263171-2026	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	160.5	---
0966-134	1016.9	1455+86.04	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263173-2027	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-135	1016.9	1466+02.97	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST216	FDN NH-263864-ABC1802	SB NX-263173-2028	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	140.5	---
0966-136	1016.7	1476+19.84	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST215	FDN NH-263864-ABC1802	SB NX-263173-2029	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	135.5	---
0966-137	1006.9	1486+36.51	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST217	FDN NH-263864-ABC1802	SB NX-263172-2030	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	145.5	---
0966-138	1023.8	1496+43.38	---	STR NH-263126-1 STR NH-263126-2	LD NH-263058	STL ND-263096-PST218	FDN NH-263864-ABC1804	SB NX-263172-2031	CENTER	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, DAVIT ARM	150.5	---
0966-139-DE	1055.5	1506+67.14	56° 52' 0.0"	STR NH-263136-1_R1 STR NH-263136-2	LD NH-263068	STL ND-263105-PST246	FDN NH-263864-ABC1821	SB NX-263171-2032 OPGW SPLICE	LEFT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	150	---
	1055.5								RIGHT	POLE, STEEL, WEATHERING, DOUBLE CIRCUIT, HORIZONTAL POST	150.5	---
0966-140	1024.5	1517+22.65	30° 27' 0.0"	STR NH-263144-1	LD NH-263083	STL ND-263116-PST300	FDN NH-263865-ABC1812	SB NX-263172-2033	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135.5	---
0966-141	1035.3	1527+47.11	0° 59' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263172-2034	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-142	1016.6	1537+82.39	-1° 32' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2035	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-143	1044.6	1547+98.94	4° 17' 0.0"	STR NH-263140-1	LD NH-263074	STL ND-263110-PST273	FDN NH-263865-ABC1798	SB NX-263172-2036	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-144	1045.7	1558+43.50	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263172-2037	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-145	1045.7	1568+89.23	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263865-ABC1796	SB NX-263171-2038	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-146	994.1	1579+34.88	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263171-2039	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-147	995.7	1589+28.97	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2040	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-148-DE	1012.2	1599+24.71	-90° 53' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST324	FDN NH-263865-ABC1820	SB NX-263172-2041; NX-263179-2041	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	125.5	---
0966-149	1012.7	1609+36.88	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263865-ABC1799	SB NX-263172-2042	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
0966-150	1023.3	1619+49.60	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263172-2043	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-151	1003.6	1629+72.85	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263172-2044	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-152	1022.1	1639+76.49	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263172-2045	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-153	992.8	1649+98.62	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263171-2046	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-154	1023.5	1659+91.45	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263172-2047	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-155	1012.9	1670+14.97	2° 23' 0.0"	STR NH-263140-1	LD NH-263074	STL ND-263110-PST273	FDN NH-263865-ABC1798	SB NX-263172-2048	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-156	1013.2	1680+27.86	-2° 28' 0.0"	STR NH-263571-1	LD NH-263075	STL ND-263110-PST275	FDN NH-263865-ABC1795	SB NX-263172-2049	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-157-SWDE	1013.2	1690+41.04	---	STR NH-263139-1	LD NH-263073	STL ND-263108-PST270	FDN NH-263865-ABC1795	SB NX-263172-2050 OPGW FDE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-158	1019.7	1700+54.21	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263865-ABC1795	SB NX-263172-2051	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-159-DE	991.1	1710+73.91	---	STR NH-263150-1_R1	LD NH-263087	STL ND-263123-PST310	FDN NH-263865-ABC1797	SB NX-263173-2052	LEFT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	75	---
	991.1								RIGHT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	75	---
0966-160-DE	876.6	1720+64.99	---	STR NH-263906-1_R1	LD NH-263087	STL ND-263123-PST309	FDN NH-263865-ABC1793	SB NX-263173-2053	LEFT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	45	---
	876.6								RIGHT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	45	---
0966-161-DE	987.9	1729+41.60	---	STR NH-263150-1_R1	LD NH-263087	STL ND-263123-PST311	FDN NH-263865-ABC1802	SB NX-263173-2054	LEFT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	95	---
	987.9								RIGHT	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, H-FRAME	95	---
0966-162	952.1	1739+29.52	-2° 27' 0.0"	STR NH-263571-1	LD NH-263075	STL ND-263110-PST1060	FDN NH-263865-ABC1795	SB NX-263172-2055	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---

NOTES:

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-13	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-163	1019.9	1748+81.65	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2056	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-164	1020.1	1759+01.55	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST257	FDN NH-263865-ABC1794	SB NX-263172-2057	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	100	---
0966-165	1020.3	1769+21.67	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2058	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-166	1019.5	1779+41.93	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263171-2059	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-167	1020.2	1789+61.45	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263171-2060	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-168	1020.0	1799+81.63	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263865-ABC1799	SB NX-263172-2061	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
0966-169	1019.8	1810+01.64	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263865-ABC1795	SB NX-263172-2062	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-170	1020.3	1820+21.47	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2063	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-171	1016.9	1830+41.78	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263865-ABC1796	SB NX-263172-2064	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-172-DE	966.9	1840+58.65	-61º 25' 0.0"	STR NH-263151-1_R2	LD NH-263090	STL ND-263124-PST2150	FDN NH-263865-ABC1816	SB NX-263171-2065; NX-263179-2065 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, HORIZONTAL POST	125.5	---
0966-173	966.9	1850+25.56	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2066	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-174	967.1	1859+92.49	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263172-2067	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-175	967.6	1869+59.62	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2068	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-176	983.1	1879+27.31	17º 53' 0.0"	STR NH-263142-1	LD NH-263078	STL ND-263110-PST1066	FDN NH-263865-ABC1804	SB NX-263171-2069	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-177	964.3	1889+10.36	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263171-2070	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-178-DE	943.9	1898+74.62	69º 41' 0.0"	STR NH-263151-1_R2	LD NH-263092	STL ND-263124-PST1071	FDN NH-263865-ABC1824	SB NX-263171-2071; NX-263179-2071	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	145.5	---
0966-179	942.5	1908+18.48	5º 8' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST277	FDN NH-263865-ABC1801	SB NX-263173-2072	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-180	943.9	1917+60.97	-2º 5' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263173-2073	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-181	940.7	1927+04.88	1º 54' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263865-ABC1796	SB NX-263171-2074	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-182	941.2	1936+45.60	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263171-2075	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-183-DE	900.3	1945+86.83	-63º 2' 0.0"	STR NH-263151-1_R2	LD NH-263091	STL ND-263124-PST1070	FDN NH-263865-ABC1816	SB NX-263173-2076; NX-263179-2076	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	125.5	---
0966-184	950.8	1954+87.18	-25º 46' 0.0"	STR NH-263144-1	LD NH-263082	STL ND-263116-PST297	FDN NH-263865-ABC1811	SB NX-263173-2077	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
0966-185	961.3	1964+37.92	30º 29' 0.0"	STR NH-263144-1	LD NH-263083	STL ND-263116-PST1067	FDN NH-263865-ABC1812	SB NX-263173-2078	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
0966-186-DE	952.5	1973+99.19	58º 4' 0.0"	STR NH-263151-1_R2	LD NH-263090	STL ND-263124-PST2151	FDN NH-263865-ABC1820	SB NX-263173-2079; NX-263179-2079 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, HORIZONTAL POST	150.5	---
0966-187	952.7	1983+51.65	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263865-ABC1799	SB NX-263172-2080	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
0966-188	946.7	1993+04.39	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263172-2081	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-189	967.3	2002+51.12	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263171-2082	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-190	924.8	2012+18.38	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263865-ABC1796	SB NX-263171-2083	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-191-DE	901.1	2021+43.15	89º 10' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST325	FDN NH-263865-ABC1824	SB NX-263171-2084	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	130.5	---
0966-192	913.2	2030+44.25	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263172-2085	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-193	892.1	2039+57.39	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263172-2086	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-194-DE	1069.6	2048+49.50	-89º 11' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST325	FDN NH-263865-ABC1824	SB NX-263173-2087; NX-263179-2087	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	130.5	---
0966-195	1070.3	2059+19.12	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263865-ABC1796	SB NX-263171-2088	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-196	1070.1	2069+89.40	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263171-2089	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-197	1082.2	2080+59.50	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263171-2090	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-198	1046.6	2091+41.73	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263865-ABC1796	SB NX-263173-2091	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-14	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-199-DE	899.0	2101+88.34	-90° 35' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST325	FDN NH-263865-ABC1824	SB NX-263173-2092; NX-263179-2092	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	130.5	---
0966-200	899.4	2110+87.31	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263171-2093	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-201	898.6	2119+86.74	1° 31' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263172-2094	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-202-DE	1008.9	2128+85.39	89° 24' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST325	FDN NH-263865-ABC1824	SB NX-263173-2095 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	130.5	---
0966-203	1028.9	2138+94.31	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263172-2096	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-204	1029.9	2149+23.22	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263172-2097	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-205	1060.1	2159+53.15	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263172-2098	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-206	999.8	2170+13.29	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263173-2099	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-207	1024.8	2180+13.06	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263173-2100	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-208	1024.8	2190+37.87	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263173-2101	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-209	990.1	2200+62.71	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263865-ABC1795	SB NX-263173-2102	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-210	1000.7	2210+52.78	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263172-2103	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-211	1017.8	2220+53.50	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263173-2104; NX-263179-2104	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-212	1019.6	2230+71.32	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263173-2105	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-213	1071.9	2240+90.94	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263865-ABC1795	SB NX-263173-2106	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-214	1030.1	2251+62.84	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263865-ABC1795	SB NX-263173-2107	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-215	1050.2	2261+92.89	0° 21' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263865-ABC1795	SB NX-263173-2108	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-216-SWDE	1049.6	2272+43.09	---	STR NH-263139-1	LD NH-263073	STL ND-263108-PST270	FDN NH-263865-ABC1795	SB NX-263173-2109 OPGW FDE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-217	1040.4	2282+92.70	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2110	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-218	1049.8	2293+33.14	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263866-ABC1795	SB NX-263171-2111	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-219	1060.4	2303+82.90	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263866-ABC1795	SB NX-263171-2112	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-220	999.9	2314+43.33	-0° 17' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263866-ABC1796	SB NX-263171-2113	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-221	1019.9	2324+43.23	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263866-ABC1795	SB NX-263171-2114	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-222	1029.7	2334+63.13	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263866-ABC1796	SB NX-263171-2115	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-223	1020.5	2344+92.85	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263866-ABC1796	SB NX-263173-2116	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-224	1025.2	2355+13.33	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2117	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-225	1077.5	2365+38.56	-0° 30' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263171-2118	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-226	1097.3	2376+16.01	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2119	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-227	1092.6	2387+13.29	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2120	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-228	1082.5	2398+05.87	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263866-ABC1795	SB NX-263173-2121	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-229	1083.7	2408+88.36	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263866-ABC1796	SB NX-263173-2122	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-230-DE	1035.9	2419+72.03	91° 16' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST324	FDN NH-263866-ABC1820	SB NX-263173-2123; NX-263179-2123 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	125.5	---
0966-231	1046.6	2430+07.91	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2124	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-232	1019.8	2440+54.50	-0° 29' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2125	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-233	1030.2	2450+74.27	-0° 39' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2126	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-234	1029.7	2461+04.49	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2127	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---

NOTES:

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-15	SCALE NONE	REV 5

STRUCTURES

STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS
0966-235	1029.5	2471+34.20	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263866-ABC1795	SB NX-263173-2128
0966-236	1035.5	2481+63.68	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2129
0966-237-DE	1010.3	2491+99.16	-45° 14' 0.0"	STR NH-263151-1_R2	LD NH-263088	STL ND-263124-PST9803	FDN NH-263866-ABC1819	SB NX-263173-2130
0966-238-DE	1060.0	2502+09.46	-44° 31' 0.0"	STR NH-263151-1	LD NH-263088	STL ND-263124-PST2148	FDN NH-263866-ABC1815	SB NX-263173-2131
0966-239	1053.0	2512+69.41	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2132
0966-240	1052.9	2523+22.42	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2133
0966-241	1053.1	2533+75.35	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2134
0966-242	1053.2	2544+28.43	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2135
0966-243	1053.7	2554+81.60	0° 56' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263866-ABC1796	SB NX-263171-2136
0966-244	1042.0	2565+35.27	30° 49' 0.0"	STR NH-263144-1	LD NH-263083	STL ND-263116-PST1068	FDN NH-263866-ABC1812	SB NX-263171-2137
0966-245-DE	1003.3	2575+77.21	58° 3' 0.0"	STR NH-263151-1_R2	LD NH-263090	STL ND-263124-PST1069	FDN NH-263866-ABC1819	SB NX-263173-2138; NX-263179-2138 OPGW SPLICE
0966-246	1072.5	2585+80.48	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263866-ABC1796	SB NX-263173-2139
0966-247	1073.1	2596+52.94	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2140
0966-248	1072.7	2607+26.06	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263866-ABC1795	SB NX-263173-2141
0966-249	1063.4	2617+98.74	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2142
0966-250	1062.2	2628+62.17	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2143
0966-251	1069.9	2639+24.37	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2144
0966-252-DE	1069.2	2649+94.25	-89° 50' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST326	FDN NH-263866-ABC1825	SB NX-263173-2145; NX-263179-2145
0966-253	1068.3	2660+63.42	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263866-ABC1799	SB NX-263173-2146
0966-254	1051.6	2671+31.69	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263866-ABC1796	SB NX-263173-2147
0966-255	1061.9	2681+83.26	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2148
0966-256	1032.5	2692+45.14	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2149
0966-257	1062.0	2702+77.61	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2150
0966-258	1052.0	2713+39.62	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2151
0966-259	1051.5	2723+91.60	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2152
0966-260	1054.7	2734+43.12	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2153
0966-261	1054.3	2744+97.77	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2154
0966-262	1054.5	2755+52.09	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2155
0966-263-DE	1054.5	2766+06.62	---	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST304	FDN NH-263866-ABC1804	SB NX-263173-2156 OPGW SPLICE
0966-264	1042.6	2776+61.08	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2157
0966-265	1061.5	2787+03.67	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2158
0966-266	1032.5	2797+65.13	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2159
0966-267	1051.5	2807+97.63	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2160
0966-268	1062.3	2818+49.08	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2161
0966-269	1021.9	2829+11.34	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263866-ABC1799	SB NX-263173-2162
0966-270	1061.8	2839+33.21	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST2142	FDN NH-263866-ABC1799	SB NX-263173-2163

STRUCTURE COMPONENTS

POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, HORIZONTAL POST	130.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	145.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	145	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

"NOT FOR CONSTRUCTION - INFORMATION ONLY 11/10/2017"

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-16	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-271	1062.1	2849+94.96	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2164	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-272	1072.0	2860+57.04	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2165	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-273	1042.6	2871+29.01	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263866-ABC1795	SB NX-263173-2166	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-274	1051.7	2881+71.60	-0° 19' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2167	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-275	1052.1	2892+23.34	-0° 23' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2168	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-276	1051.7	2902+75.46	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263866-ABC1795	SB NX-263173-2169	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-277	1040.4	2913+27.17	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2170	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-278	1029.2	2923+67.59	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2171	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-279	1030.7	2933+96.78	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263866-ABC1799	SB NX-263173-2172	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
0966-280	1030.2	2944+27.47	0° 27' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263866-ABC1796	SB NX-263173-2173	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-281-SWDE	1029.7	2954+57.64	---	STR NH-263139-1	LD NH-263073	STL ND-263108-PST271	FDN NH-263866-ABC1796	SB NX-263173-2174 OPGW FDE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-282	1029.8	2964+87.36	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263866-ABC1795	SB NX-263173-2175	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-283	1030.2	2975+17.13	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263866-ABC1795	SB NX-263173-2176	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-284	1029.7	2985+47.35	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2177	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-285	1030.1	2995+77.08	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2178	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-286	1035.2	3006+07.13	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263173-2179	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-287	1025.1	3016+42.29	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263866-ABC1795	SB NX-263173-2180	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-288	1032.7	3026+67.35	-4° 11' 0.0"	STR NH-263571-1	LD NH-263075	STL ND-263110-PST1169	FDN NH-263866-ABC1796	SB NX-263173-2181	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-289	1029.8	3037+00.07	4° 11' 0.0"	STR NH-263140-1	LD NH-263074	STL ND-263110-PST274	FDN NH-263866-ABC1799	SB NX-263171-2182	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-290	1027.6	3047+29.90	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263866-ABC1795	SB NX-263171-2183	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-291	1029.4	3057+57.50	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263171-2184	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-292	1030.0	3067+86.92	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263171-2185	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-293	1020.6	3078+16.93	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263171-2186	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-294	1024.8	3088+37.58	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263171-2187	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-295-DE	991.6	3098+62.40	-89° 53' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST324	FDN NH-263867-ABC1820	SB NX-263171-2188	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	125.5	---
0966-296	1001.6	3108+54.02	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263867-ABC1796	SB NX-263171-2189	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-297	906.1	3118+55.60	7° 26' 0.0"	STR NH-263572-1	LD NH-263077	STL ND-263110-PST280	FDN NH-263867-ABC1801	SB NX-263171-2190	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-298-DE	984.2	3127+61.69	82° 35' 0.0"	STR NH-263151-1_R2	LD NH-263094	STL ND-263124-PST322	FDN NH-263867-ABC1826	SB NX-263176-3001 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	150.5	---
0966-299	990.9	3137+45.92	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263176-3002	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-300	984.7	3147+36.79	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST263	FDN NH-263867-ABC1796	SB NX-263178-3003	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-301	957.5	3157+21.49	-24° 30' 0.0"	STR NH-263143-1	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SB NX-263178-3004	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130.5	---
0966-302	958.0	3166+79.02	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263178-3005	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-303	943.0	3176+37.01	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263867-ABC1795	SB NX-263178-3006	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-304	972.4	3185+80.04	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263178-3007	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-305	967.7	3195+52.44	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263178-3008	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-306	947.9	3205+20.18	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263178-3009	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-17	SCALE NONE	REV 5

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-307	957.6	3214+68.08	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST259	FDN NH-263867-ABC1795	SB NX-263178-3010	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-308	967.6	3224+25.69	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263178-3011	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-309	957.3	3233+93.32	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263178-3012	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-310	1028.9	3243+50.57	3º 30' 0.0"	STR NH-263140-1	LD NH-263074	STL ND-263110-PST274	FDN NH-263867-ABC1799	SB NX-263176-3013	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-311	1018.0	3253+79.47	19º 52' 0.0"	STR NH-263143-1	LD NH-263081	STL ND-263116-PST2145	FDN NH-263867-ABC1807	SB NX-263178-3014	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125.5	---
0966-312	1077.6	3263+97.44	0º 55' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263867-ABC1796	SB NX-263178-3015	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-313	1058.8	3274+74.99	-0º 23' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST264	FDN NH-263867-ABC1796	SB NX-263178-3016	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-314	1027.7	3285+33.83	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST2142	FDN NH-263867-ABC1799	SB NX-263176-3017	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	145	---
0966-315	1061.4	3295+61.50	1º 14' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST268	FDN NH-263867-ABC1801	SB NX-263176-3018	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	160	---
0966-316	1061.7	3306+22.87	0º 19' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST2141	FDN NH-263867-ABC1793	SB NX-263176-3019	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	95	---
0966-317	1053.1	3316+84.54	-0º 30' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263176-3020	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-318-SWDE	963.6	3327+37.68	-0º 53' 0.0"	STR NH-263139-1	LD NH-263073	STL ND-263108-PST2143	FDN NH-263867-ABC1794	SB NX-263176-3021 OPGW FDE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-319	984.7	3337+01.32	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST257	FDN NH-263867-ABC1794	SB NX-263176-3022	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	100	---
0966-320	789.6	3346+86.05	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263176-3023	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-321-DE	897.9	3354+75.62	---	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST304	FDN NH-263867-ABC1804	SB NX-263177-3024	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
0966-322-DE	886.2	3363+73.53	1º 6' 0.0"	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST306	FDN NH-263867-ABC1809	SB NX-263177-3025	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-323	888.1	3372+59.68	-1º 12' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263177-3026	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-324-DE	881.3	3381+47.74	---	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST308	FDN NH-263867-ABC1810	SB NX-263176-3027	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
0966-325-DE	931.7	3390+29.02	---	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST307	FDN NH-263867-ABC1807	SB NX-263177-3028	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
0966-326-DE	942.9	3399+60.75	0º 46' 0.0"	STR NH-263149-1_R1	LD NH-263086	STL ND-263122-PST306	FDN NH-263867-ABC1809	SB NX-263177-3029	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-327	1009.5	3409+03.61	0º 20' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263178-3030	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-328	994.3	3419+13.15	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263176-3031	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-329	992.4	3429+07.45	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263178-3032	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
0966-330	991.9	3438+99.80	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263178-3033	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-331-DE	990.1	3448+91.73	-54º 35' 0.0"	STR NH-263151-1_R2	LD NH-263089	STL ND-263124-PST2149	FDN NH-263867-ABC1816	SB NX-263178-3034	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, HORIZONTAL POST	130.5	---
0966-332	1010.3	3458+81.78	-34º 56' 0.0"	STR NH-263144-1	LD NH-263084	STL ND-263116-PST302	FDN NH-263867-ABC1815	SB NX-263178-3035	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
0966-333	1018.4	3468+92.09	-1º 7' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263178-3036	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
0966-334	1023.2	3479+10.53	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SB NX-263178-3037	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
0966-335	1019.6	3489+33.72	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263178-3038	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-336-DE	1042.8	3499+53.28	80º 7' 0.0"	STR NH-263151-1_R2	LD NH-263094	STL ND-263124-PST321	FDN NH-263867-ABC1824	SB NX-263178-3039; NX-263179-3039 OPGW SPLICE	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	140.5	---
0966-337	1016.8	3509+96.04	-8º 36' 0.0"	STR NH-263572-1	LD NH-263077	STL ND-263110-PST1064	FDN NH-263867-ABC1801	SB NX-263178-3040	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	145	---
0966-338	1026.6	3520+12.87	19º 16' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST287	FDN NH-263867-ABC1804	SB NX-263178-3041	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120.5	---
0966-339	984.6	3530+39.50	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SB NX-263177-3042	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	105	---
0966-340	994.2	3540+24.14	-15º 43' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST289	FDN NH-263867-ABC1806	SB NX-263177-3043	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135.5	---
0966-341-DE	926.0	3550+18.32	-50º 28' 0.0"	STR NH-263151-1_R2	LD NH-263088	STL ND-263124-PST2148	FDN NH-263867-ABC1815	SB NX-263177-3044	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, HORIZONTAL POST	130.5	---
0966-342	930.5	3559+44.28	-9º 5' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST1063	FDN NH-263867-ABC1802	SB NX-263177-3045	CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy®

NH-263189-18	SCALE NONE	REV 5

STRUCTURES

STRUCTURE NUMBER	AHEAD SPAN (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS
0966-343	965.7	3568+74.80	-15º 47' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST288	FDN NH-263867-ABC1806	SB NX-263177-3046
0966-344	951.3	3578+40.47	-9º 9' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST1061	FDN NH-263867-ABC1799	SB NX-263178-3047
0966-345	951.8	3587+91.74	1º 5' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST265	FDN NH-263867-ABC1799	SB NX-263176-3048
0966-346-DE	964.3	3597+43.49	79º 26' 0.0"	STR NH-263151-1_R2	LD NH-263094	STL ND-263124-PST322	FDN NH-263867-ABC1826	SB NX-263177-3049; NX-263179-3049
0966-347	965.0	3607+07.83	18º 7' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST291	FDN NH-263867-ABC1810	SB NX-263177-3050
0966-348	965.2	3616+72.81	1º 7' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263176-3051
0966-349-SWDE	975.1	3626+37.96	0º 25' 0.0"	STR NH-263139-1	LD NH-263073	STL ND-263108-PST2143	FDN NH-263867-ABC1794	SB NX-263178-3052 OPGW SPLICE
0966-350	975.0	3636+13.03	-1º 11' 0.0"	STR NH-263138-1	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SB NX-263176-3053
0966-351	955.7	3645+88.05	-21º 10' 0.0"	STR NH-263143-1	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SB NX-263177-3054
0966-352	932.5	3655+43.74	20º 31' 0.0"	STR NH-263143-1	LD NH-263081	STL ND-263116-PST294	FDN NH-263867-ABC1810	SB NX-263178-3055
0966-353	937.8	3664+76.20	9º 32' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST277	FDN NH-263867-ABC1801	SB NX-263178-3056
0966-354	897.1	3674+13.96	---	STR NH-263141-1	LD NH-263076	STL ND-263110-PST1061	FDN NH-263867-ABC1799	SB NX-263178-3057
0966-355	1030.2	3683+11.10	14º 40' 0.0"	STR NH-263142-1	LD NH-263078	STL ND-263110-PST283	FDN NH-263867-ABC1802	SB NX-263178-3058
0966-356	957.5	3693+41.29	-25º 48' 0.0"	STR NH-263143-1	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SB NX-263178-3059
0966-357	964.1	3702+98.80	11º 10' 0.0"	STR NH-263142-1	LD NH-263078	STL ND-263110-PST283	FDN NH-263867-ABC1802	SB NX-263177-3060
0966-358	960.6	3712+62.86	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263177-3061
0966-359	961.9	3722+23.44	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SB NX-263177-3062
0966-360	964.9	3731+85.29	19º 54' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST290	FDN NH-263867-ABC1809	SB NX-263177-3063
0966-361	951.7	3741+50.21	6º 20' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST1063	FDN NH-263867-ABC1802	SB NX-263176-3064; NX-263179-3064
0966-362	946.6	3751+01.89	-13º 23' 0.0"	STR NH-263573-1	LD NH-263079	STL ND-263110-PST285	FDN NH-263867-ABC1800	SB NX-263176-3065; NX-263179-3065
0966-363	973.0	3760+48.51	-4º 2' 0.0"	STR NH-263571-1	LD NH-263075	STL ND-263110-PST1169	FDN NH-263867-ABC1796	SB NX-263176-3066
0966-364	973.6	3770+21.54	14º 20' 0.0"	STR NH-263143-1	LD NH-263080	STL ND-263116-PST290	FDN NH-263867-ABC1809	SB NX-263176-3067
0966-365	964.3	3779+95.14	-28º 17' 0.0"	STR NH-263144-1	LD NH-263082	STL ND-263116-PST2146	FDN NH-263867-ABC1810	SB NX-263178-3068
0966-366	979.0	3789+59.43	-10º 32' 0.0"	STR NH-263573-1	LD NH-263079	STL ND-263110-PST285	FDN NH-263867-ABC1800	SB NX-263178-3069
0966-367-DE	513.6	3799+38.37	81º 57' 0.0"	STR NH-263151-1_R2	LD NH-263094	STL ND-263124-PST321	FDN NH-263867-ABC1824	SB NX-263178-3070
0966-368	655.4	3804+51.94	5º 14' 0.0"	STR NH-263141-1	LD NH-263076	STL ND-263110-PST6059	FDN NH-263867-ABC1809	SB NX-263178-3071
0966-369	659.7	3811+07.37	---	STR NH-263138-1	LD NH-263072	STL ND-263108-PST2142	FDN NH-263867-ABC1799	SB NX-263178-3072
0966-370-DE	214.3	3817+67.03	-89º 18' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST323	FDN NH-263867-ABC1817	SB NX-263178-3073
0966-371-DE	267.6	3819+81.29	-89º 59' 0.0"	STR NH-263151-1_R2	LD NH-263095	STL ND-263124-PST323	FDN NH-263867-ABC1817	SB NX-263178-3074
0966-BOK-SUB1	---	3822+48.89	---	STR NH-263153-1_R1	---	---	---	---

STRUCTURE COMPONENTS

POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	150.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	150.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	110	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	125	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	115	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	135	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	130	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	120	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	140.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	165	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, DAVIT ARM	145	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	115.5	---
CENTER	POLE, STEEL, WEATHERING, SINGLE CIRCUIT, VERTICAL	115.5	---
STR_HUB	DUMMY STRUCTURE, POLE INFORMATION UNKNOWN	UNK	UNK

NOTES:

1. ALL LINE ANGLES LESS THEN 0.25 DEGREES ARE OMITTED FROM THIS TABLE.
2. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.

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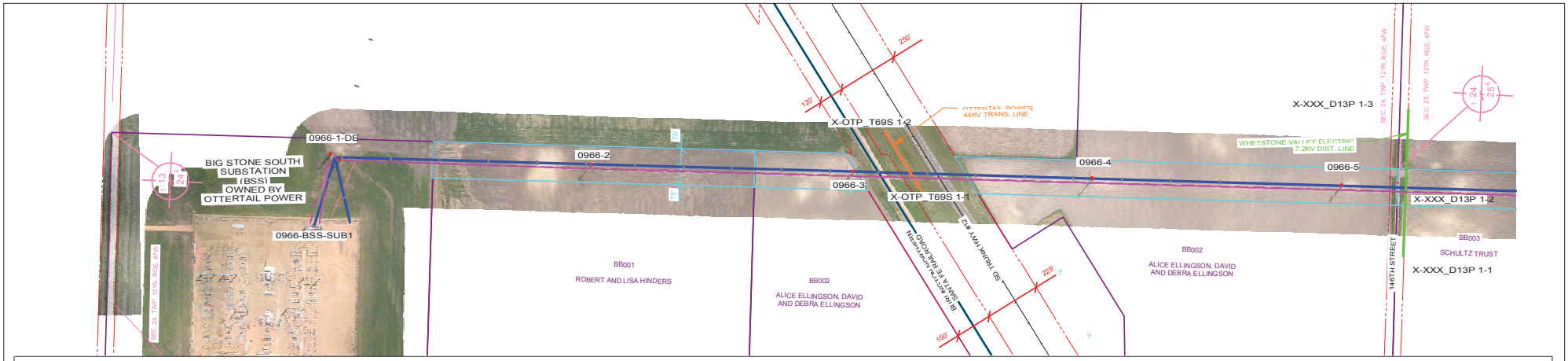
LINE 0966 345KV
PLAN AND PROFILE - STRUCTURES TABLE
0966_BSS-BOK

Xcel Energy

NH-263189-19	SCALE NONE	REV 5



PLAN VIEW LEGEND

Z

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE

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TRANSMISSION ENGINEERING DEPARTMENT

Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

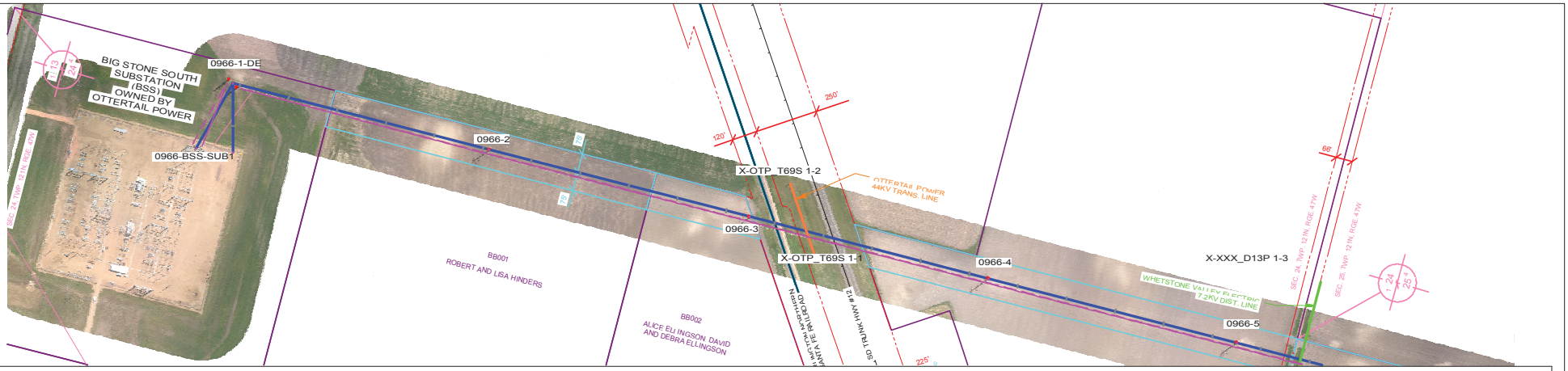
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-BSS-SUB1 TO 0966-BSS-SUB1

NH-263189- 20 OF 110 REV 5

0966_BSS-BOK 11/10/2017



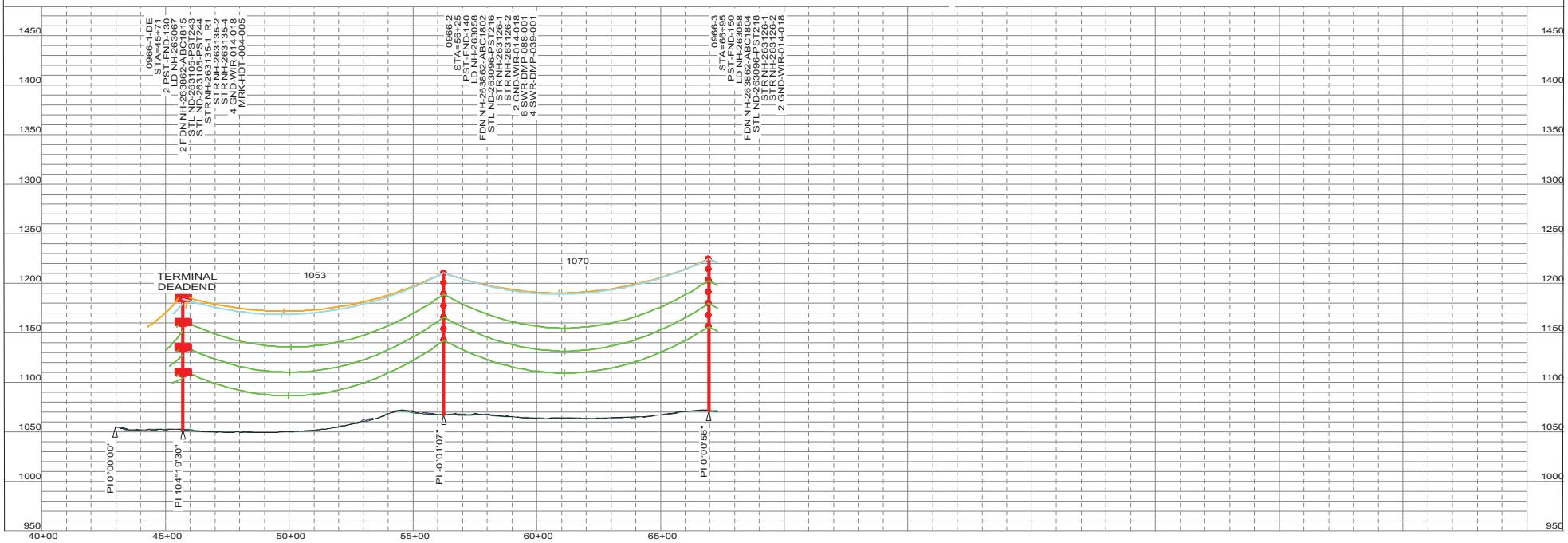
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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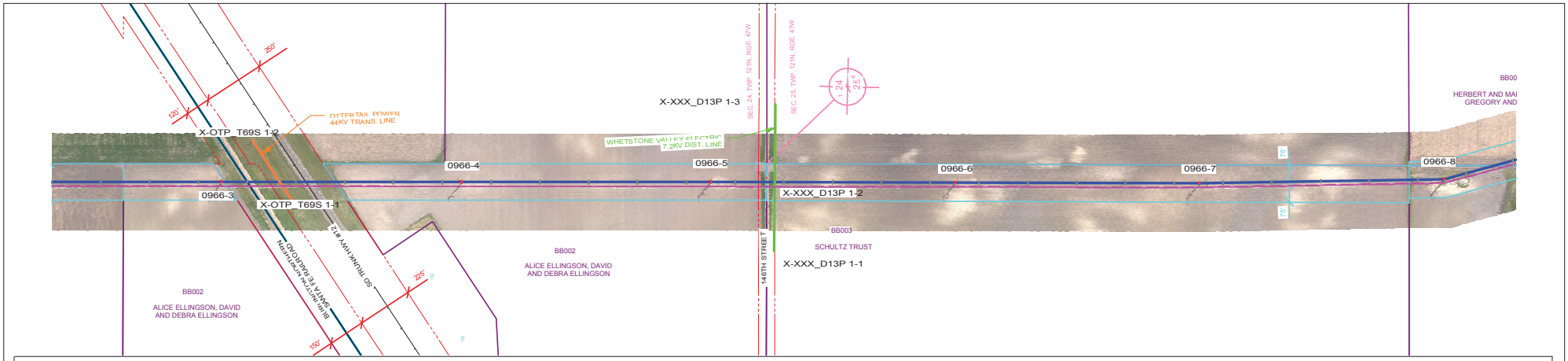
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-1-DE TO 0966-3
NH-263189- 21
OF 110
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

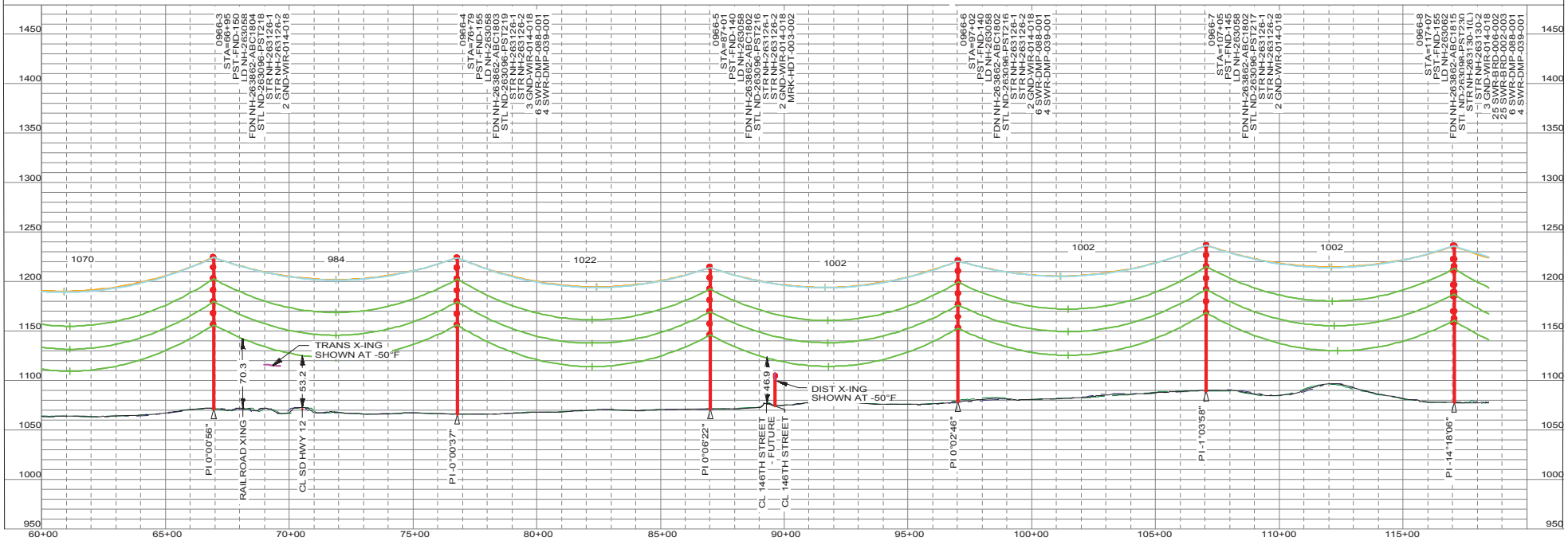


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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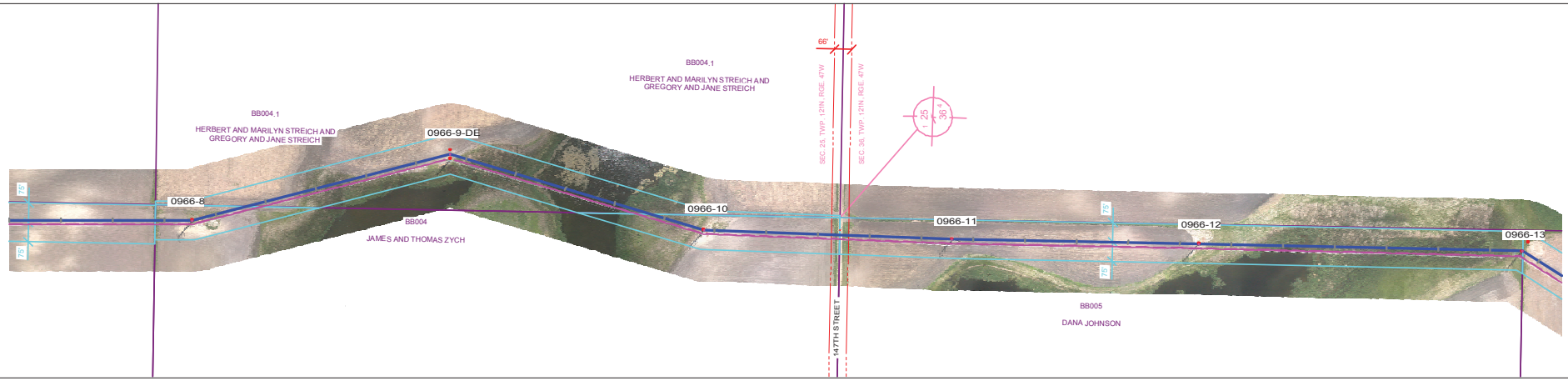
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-3 TO 0966-8
OF 110
NH-263189- 22
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



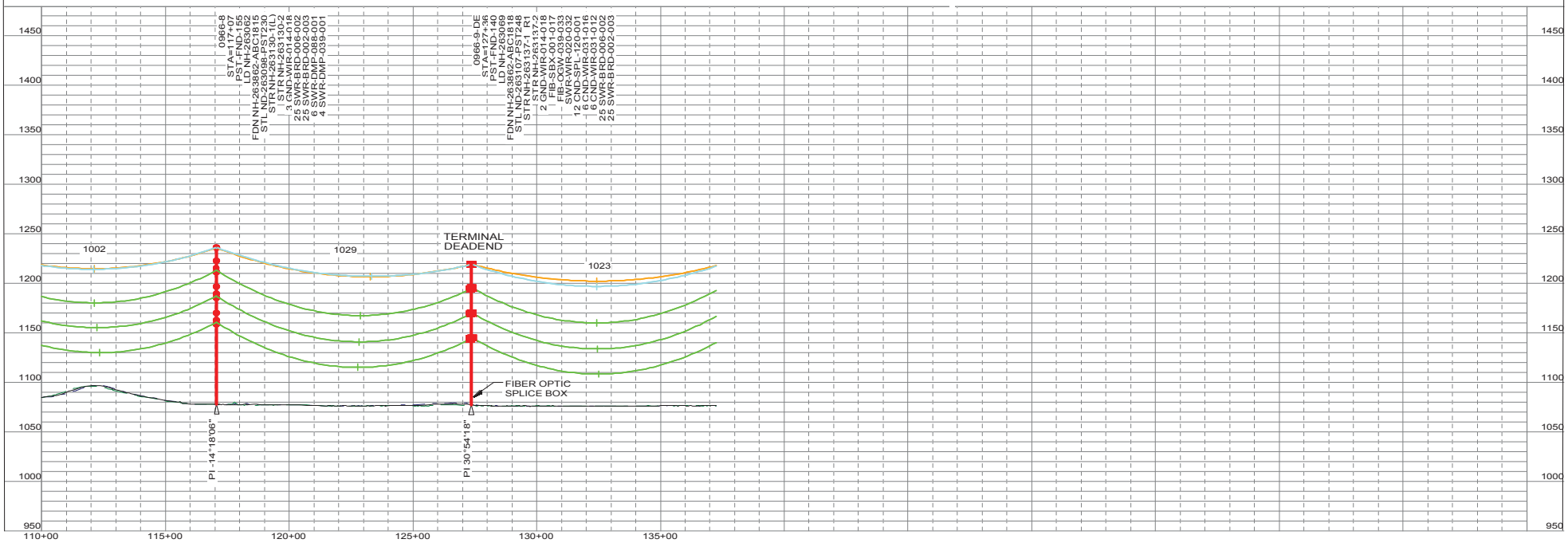
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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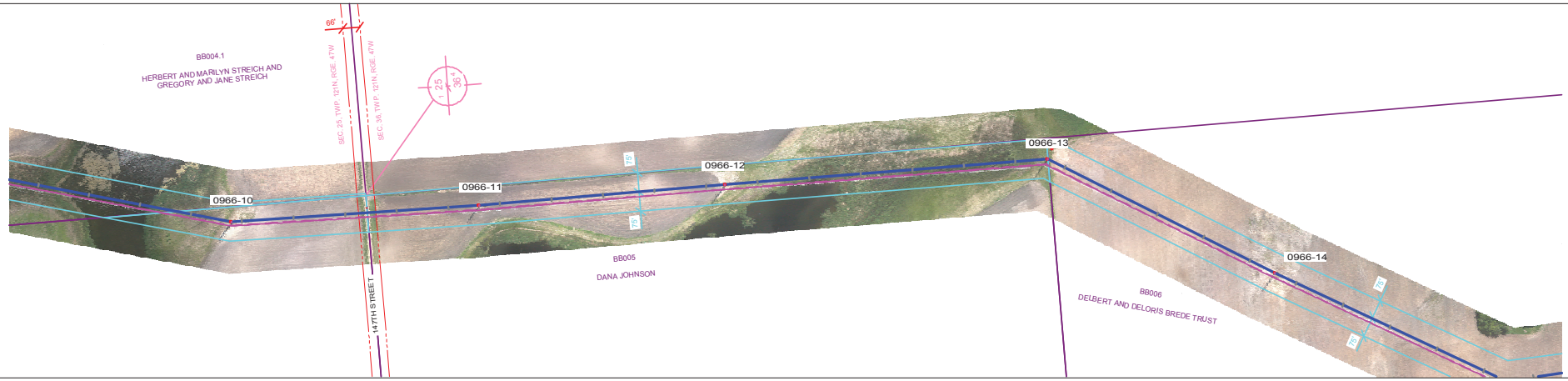
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-8 TO 0966-9-DE
OF 110
NH-263189- 23
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



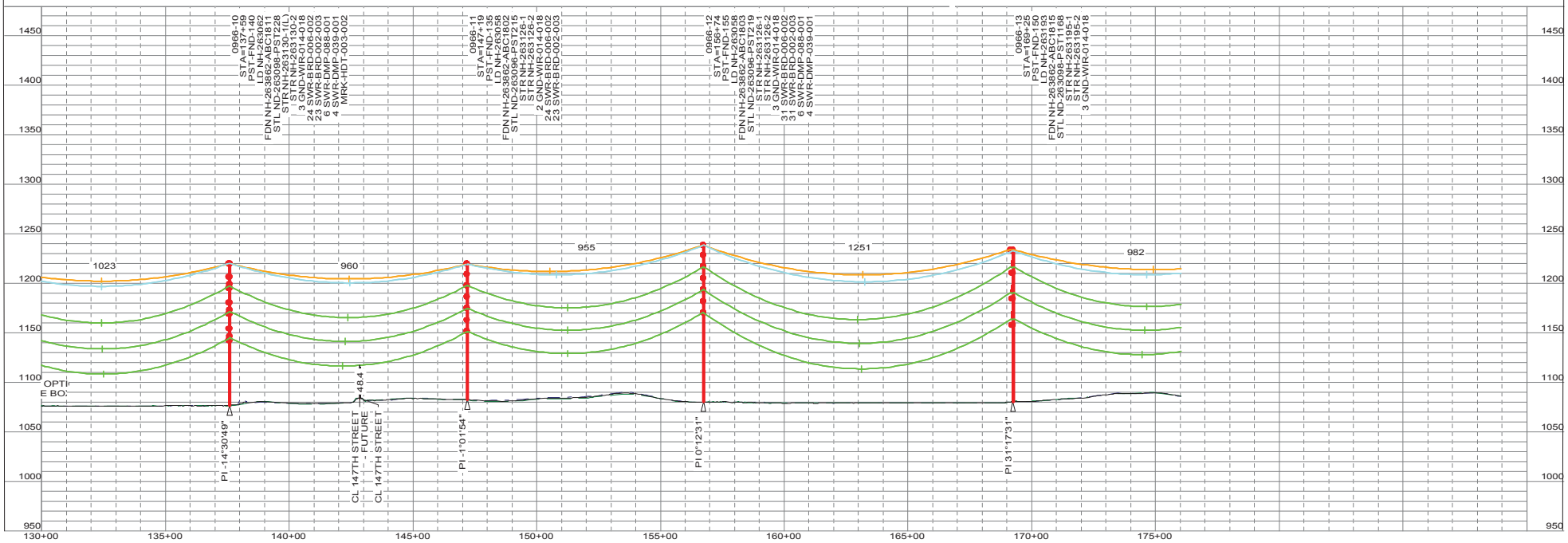
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy

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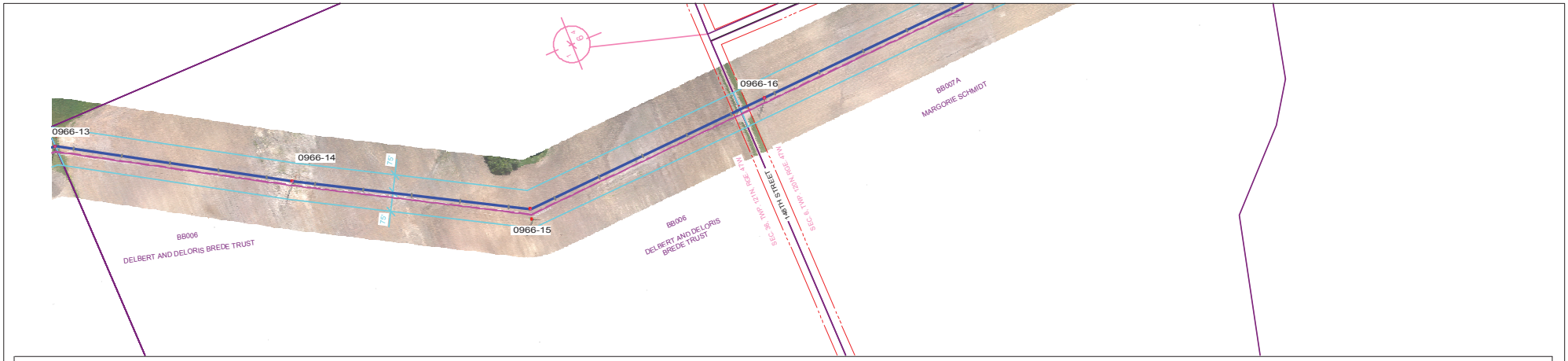
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-10 TO 0966-13
OF 110
NH-263189- 24
REV 5

0966_BSS-BOK 11/10/2017

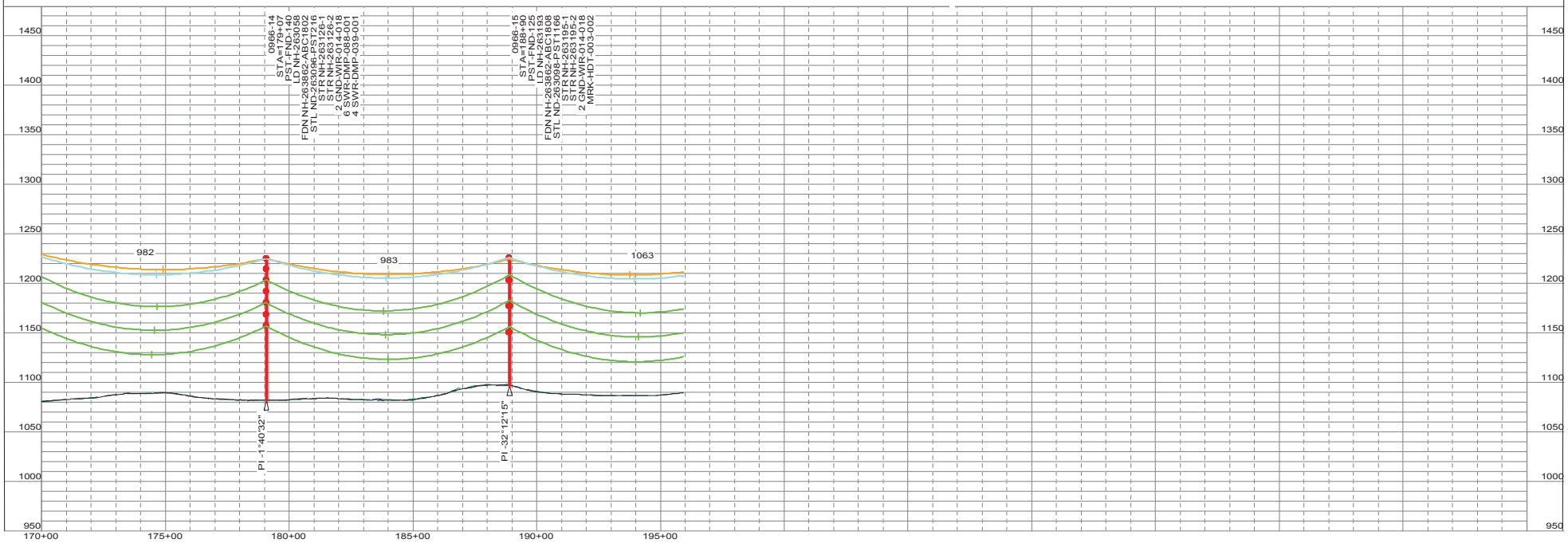


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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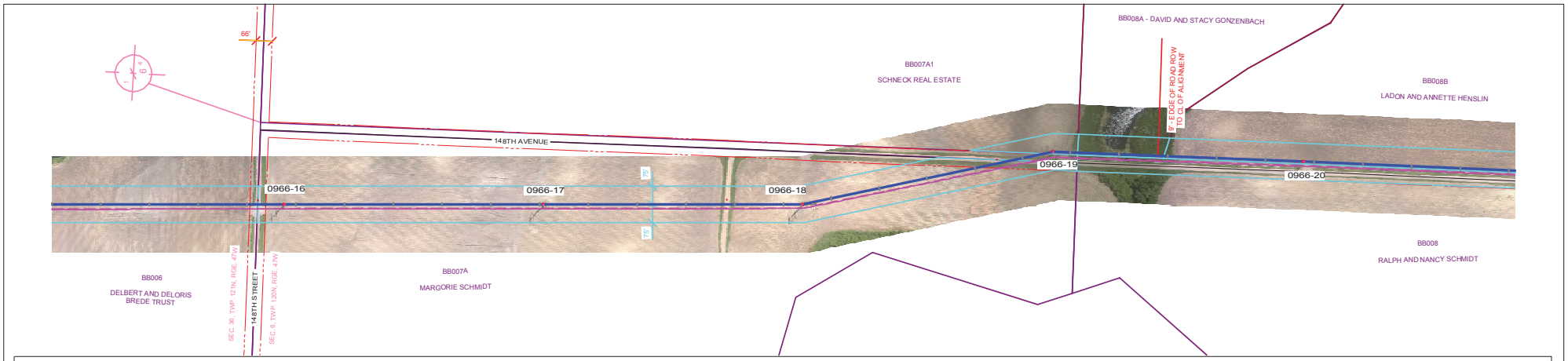
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-14 TO 0966-15
NH-263189- 25 OF 110 REV 5

0966_BSS-BOK 11/10/2017



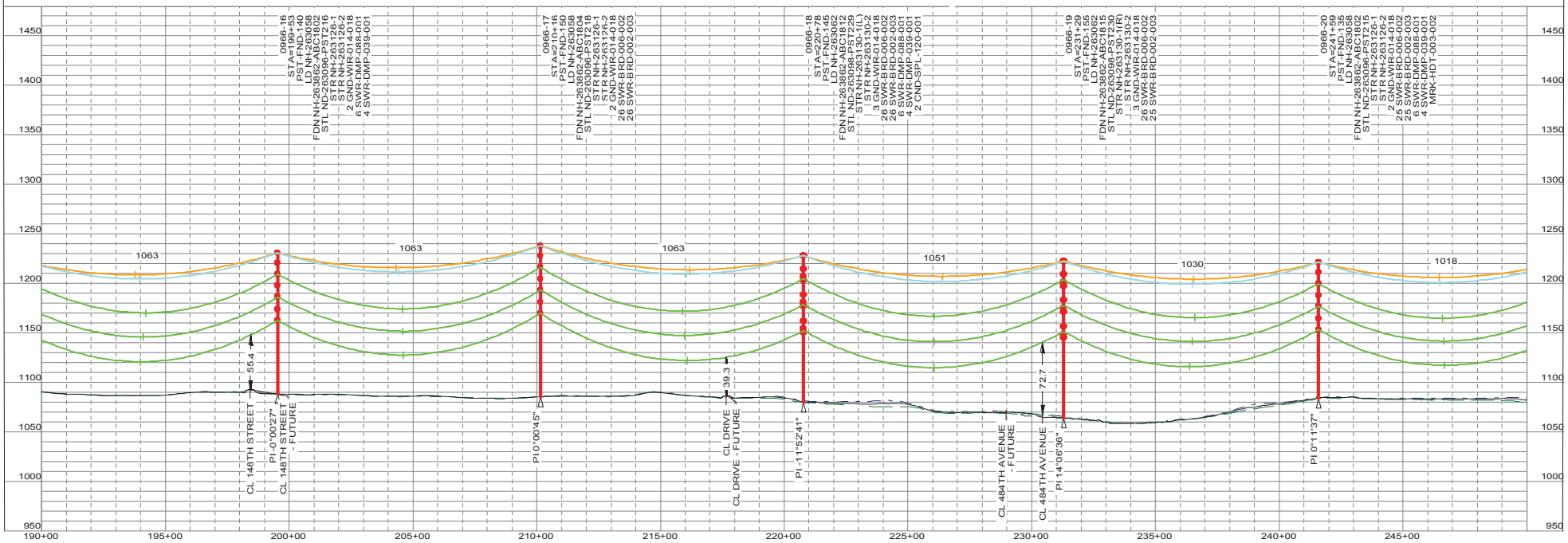
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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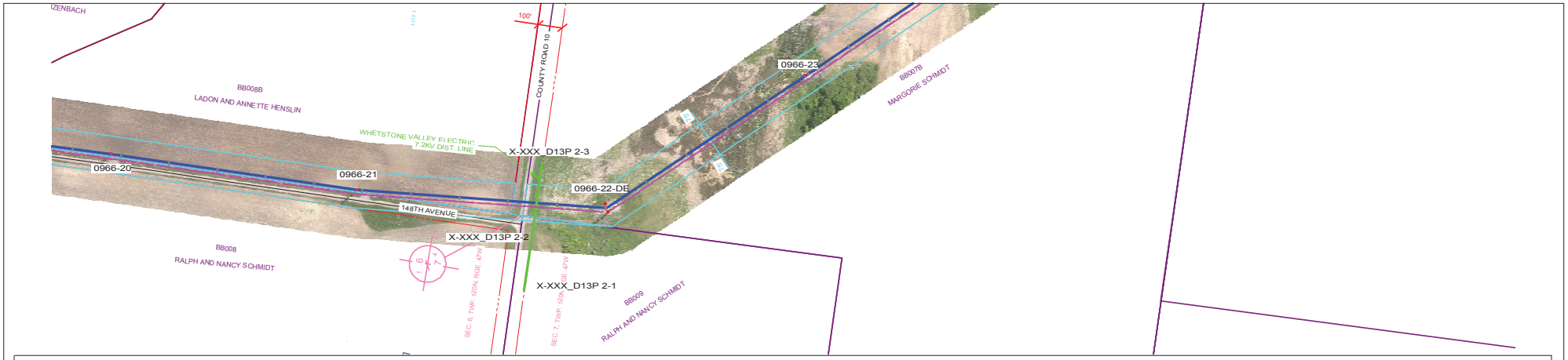
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-16 TO 0966-20
OF 110
NH-263189- 26
REV 5

0966_BSS-BOK 11/10/2017



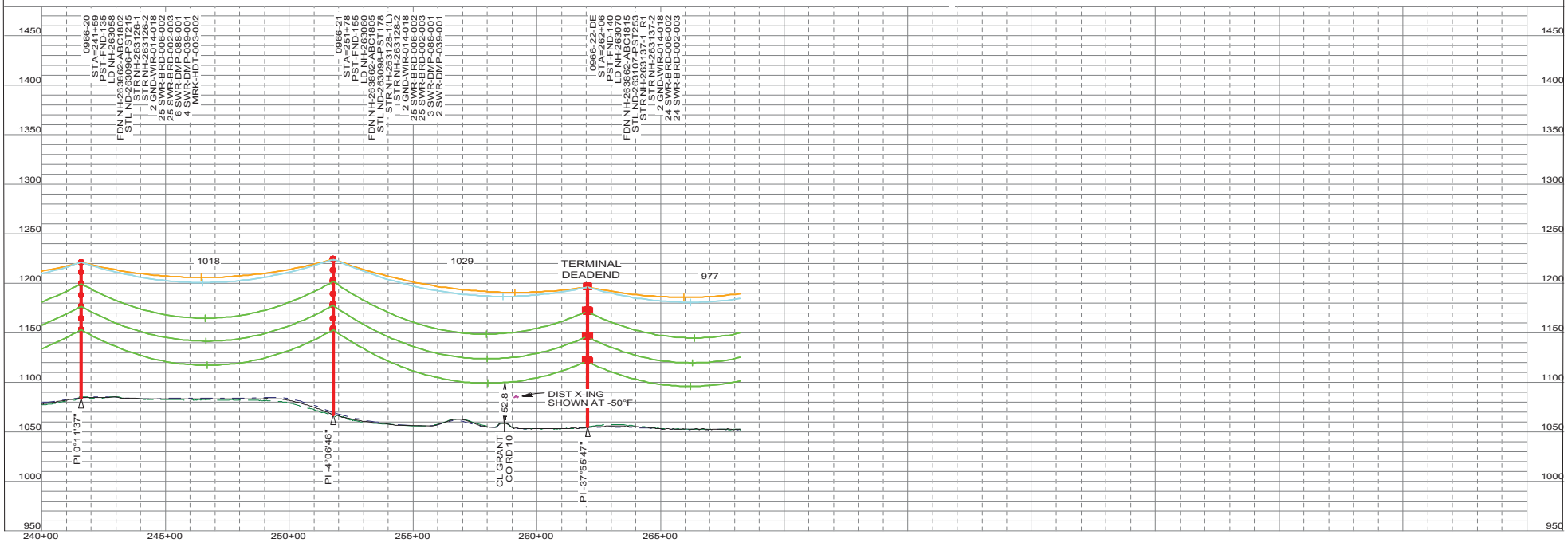
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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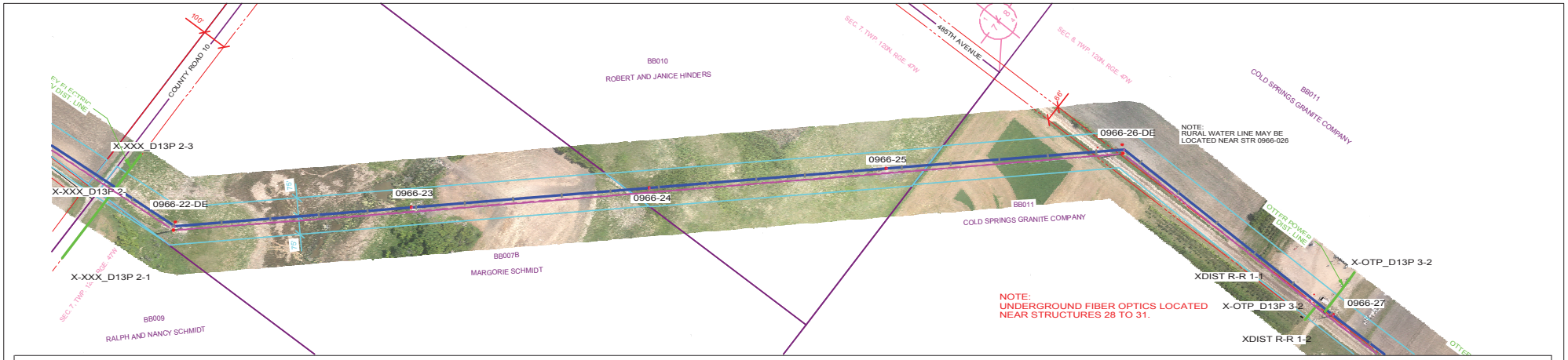
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-20 TO 0966-22-DE
NH-263189- 27 OF 110
REV 5

0966_BSS-BOK 11/10/2017



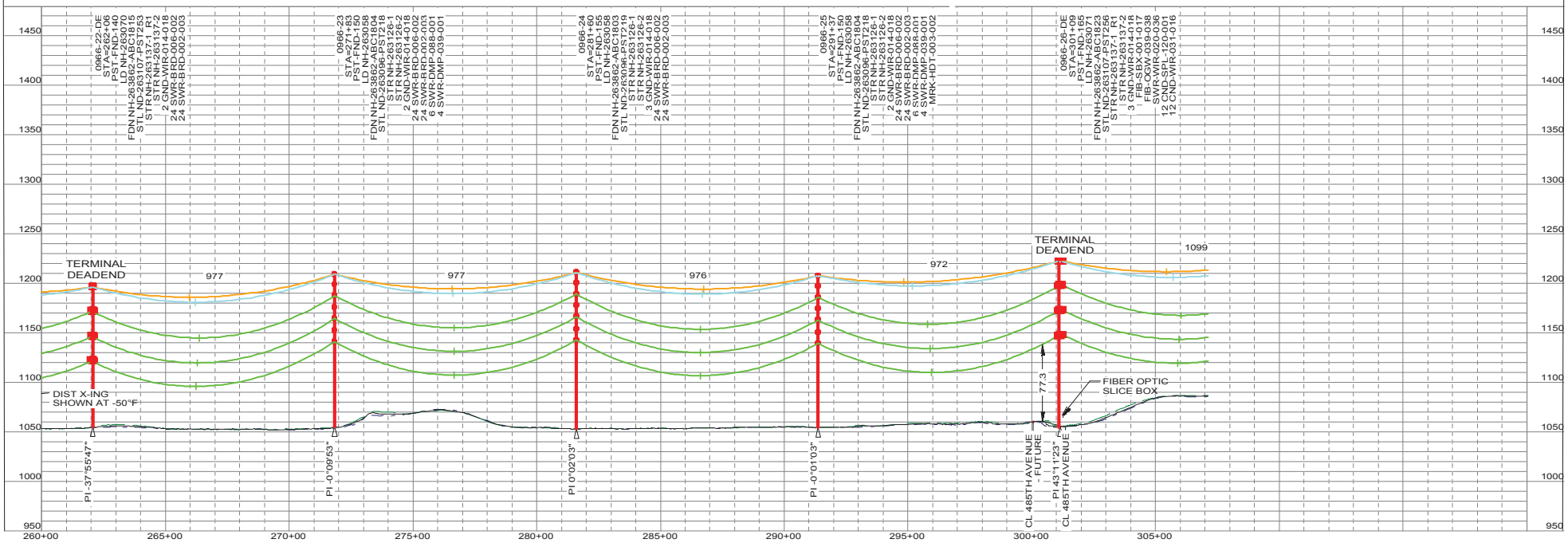
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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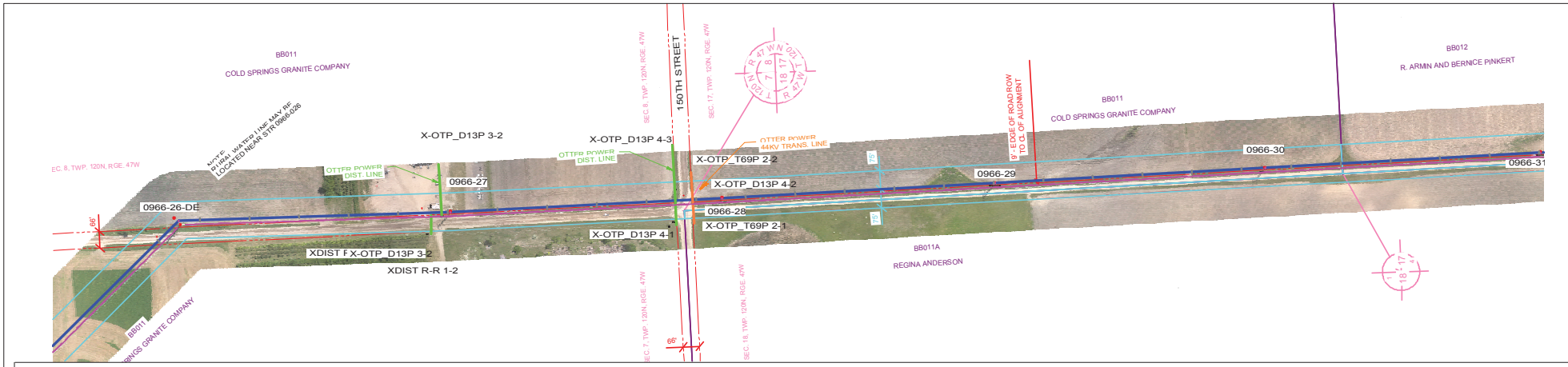
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-22-DE TO 0966-26-DE
NH-263189- 28 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



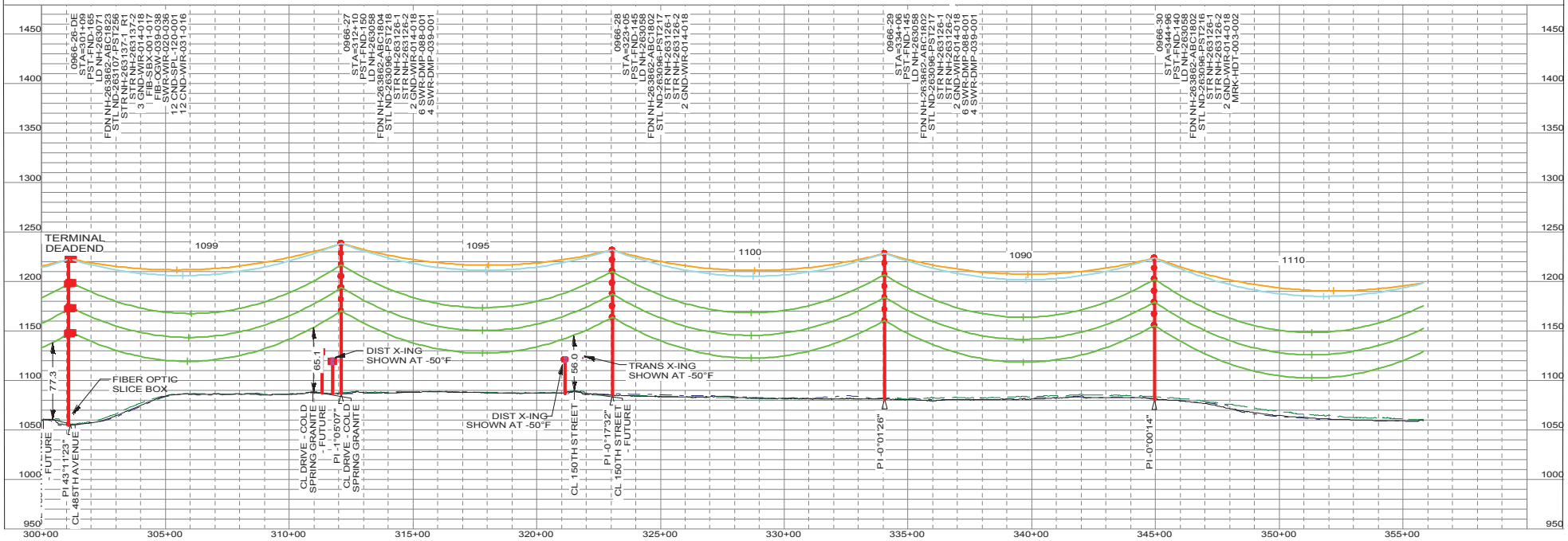
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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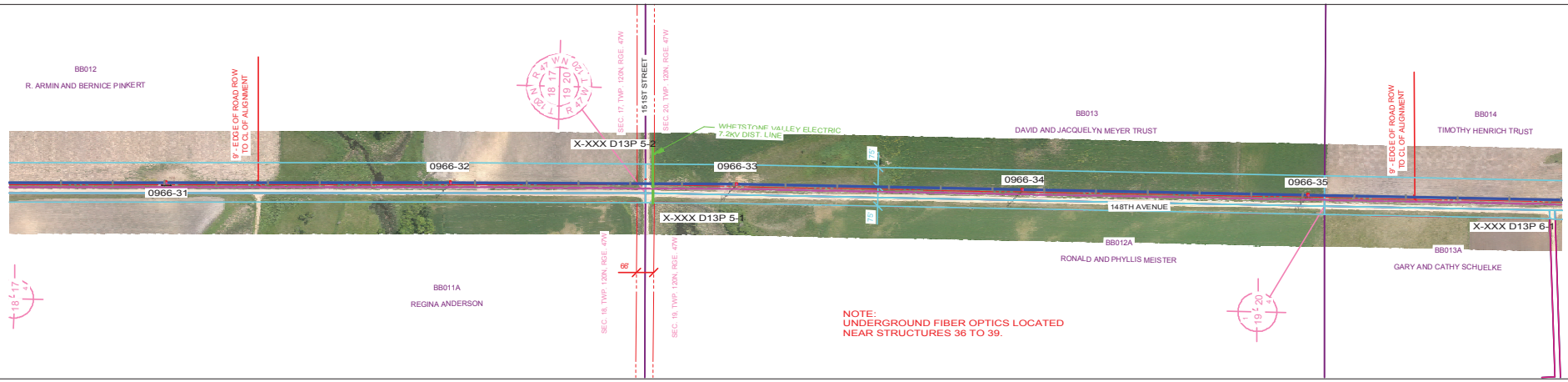
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-26-DE TO 0966-30
OF 110
NH-263189- 29
REV 5

0966_BSS-BOK 11/10/2017



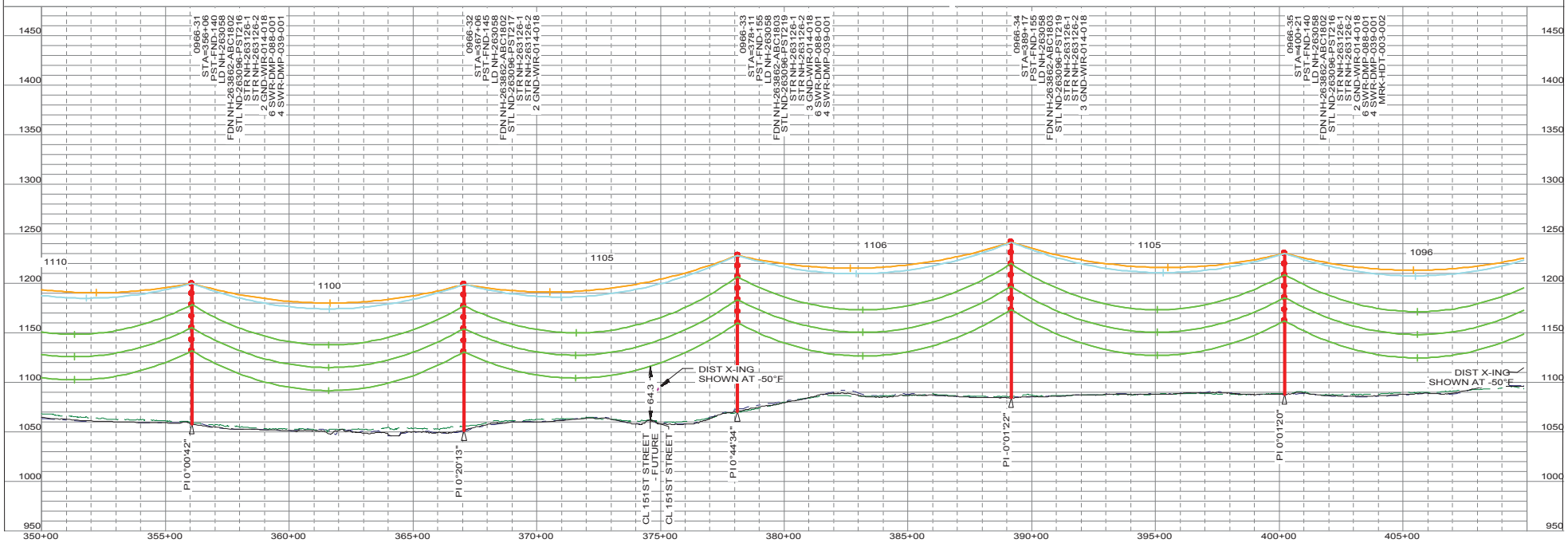
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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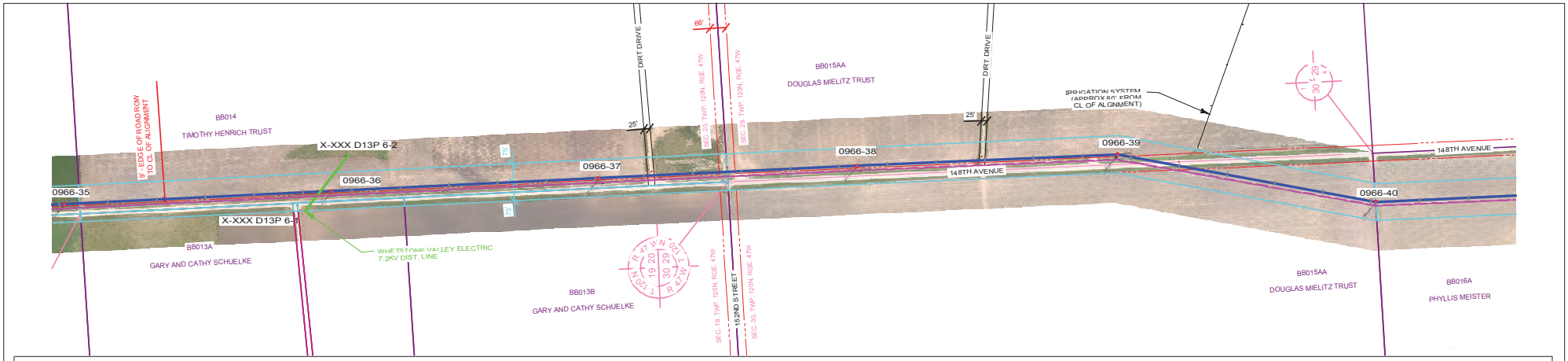
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-31 TO 0966-35
OF 110
NH-263189- 30
REV 5

0966_BSS-BOK 11/10/2017



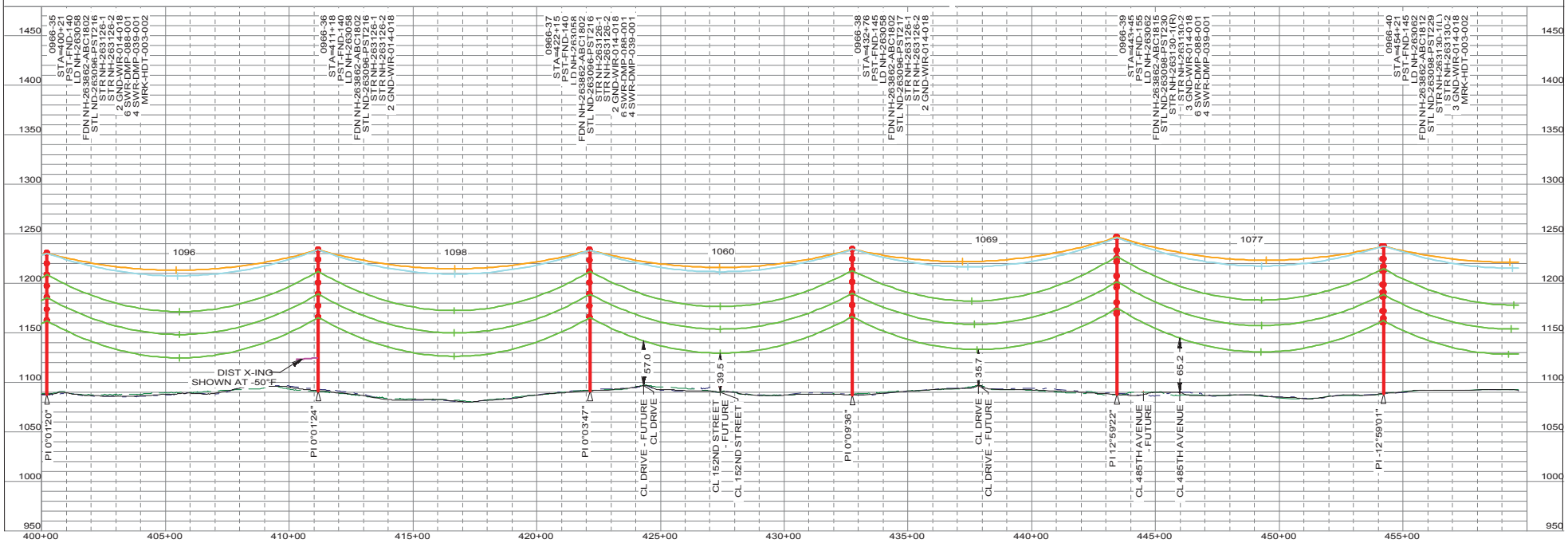
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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TRANSMISSION ENGINEERING DEPARTMENT

Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

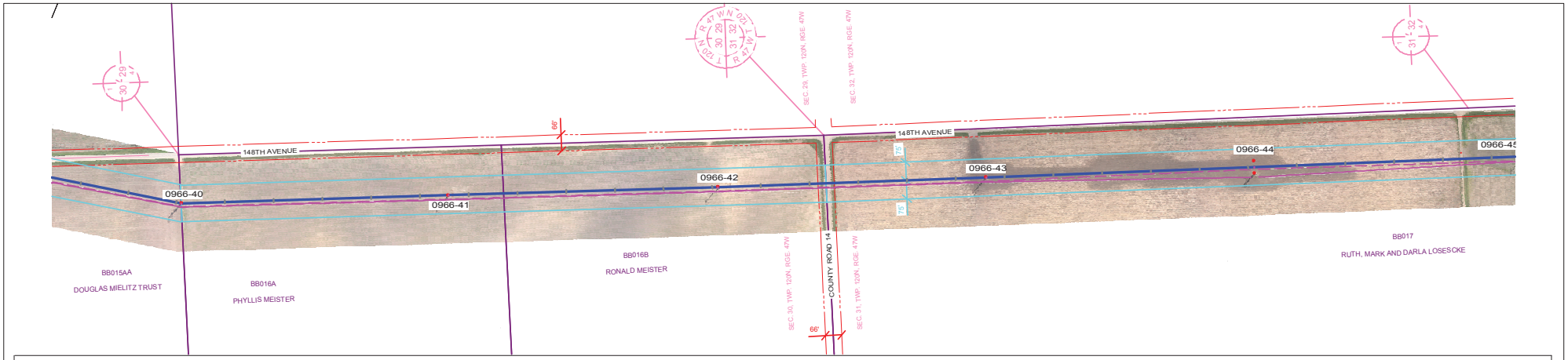
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-35 TO 0966-40

NH-263189- 31 OF 110 REV 5

0966_BSS-BOK 11/10/2017

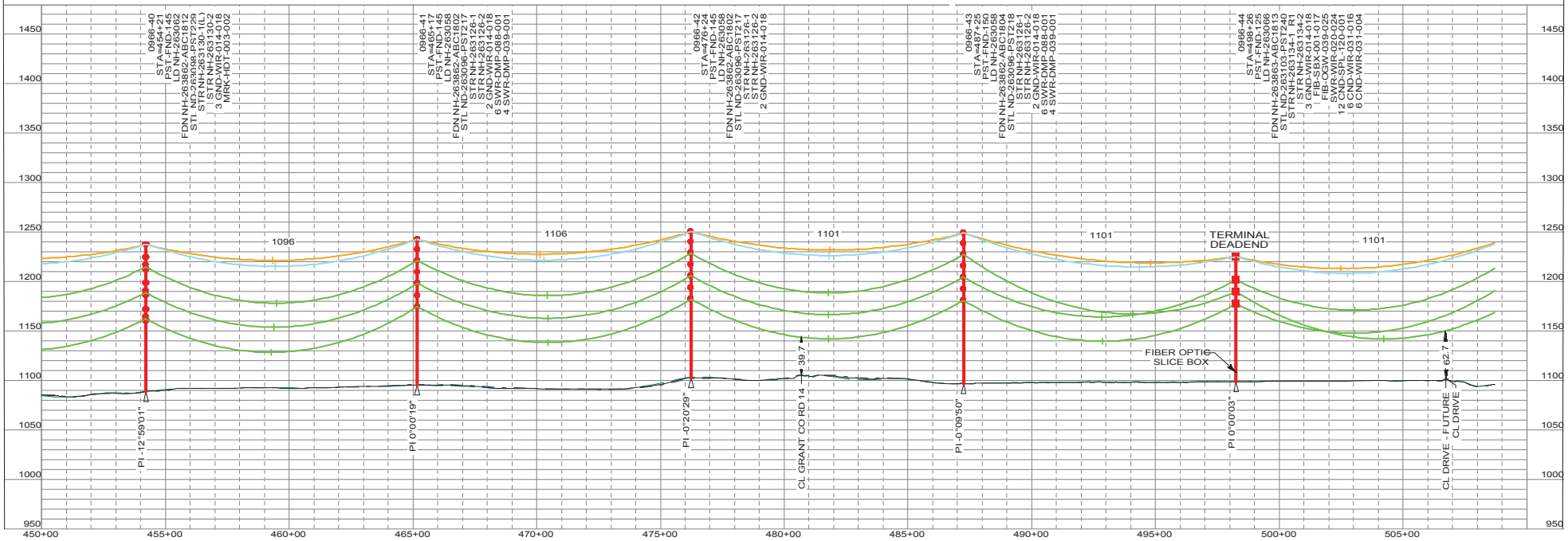


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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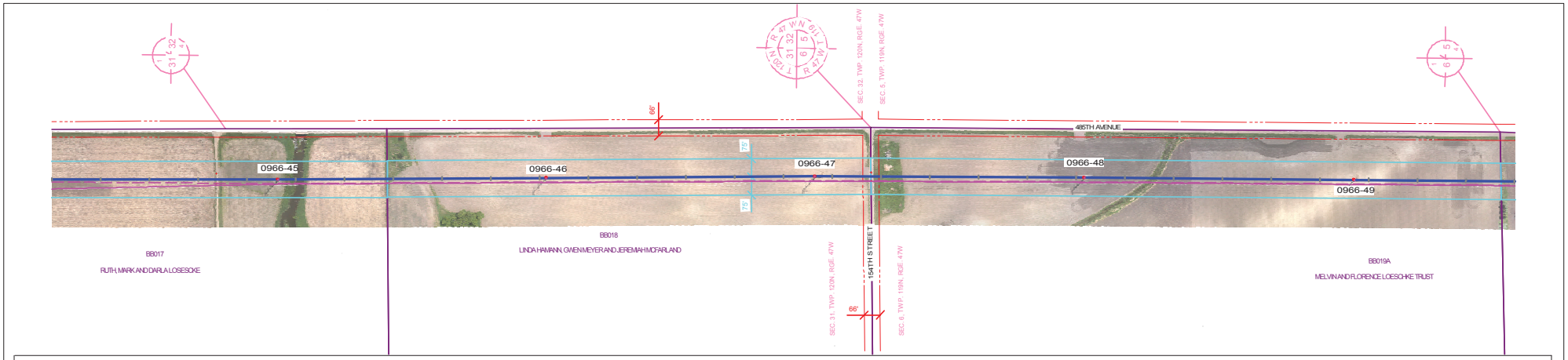
TRANSMISSION ENGINEERING DEPARTMENT
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

345KV
LINE 0966
BSS SUB TO BOK SUB

0966-40 TO 0966-44
OF 110
NH-263189- 32
REV 5

0966_BSS-BOK 11/10/2017

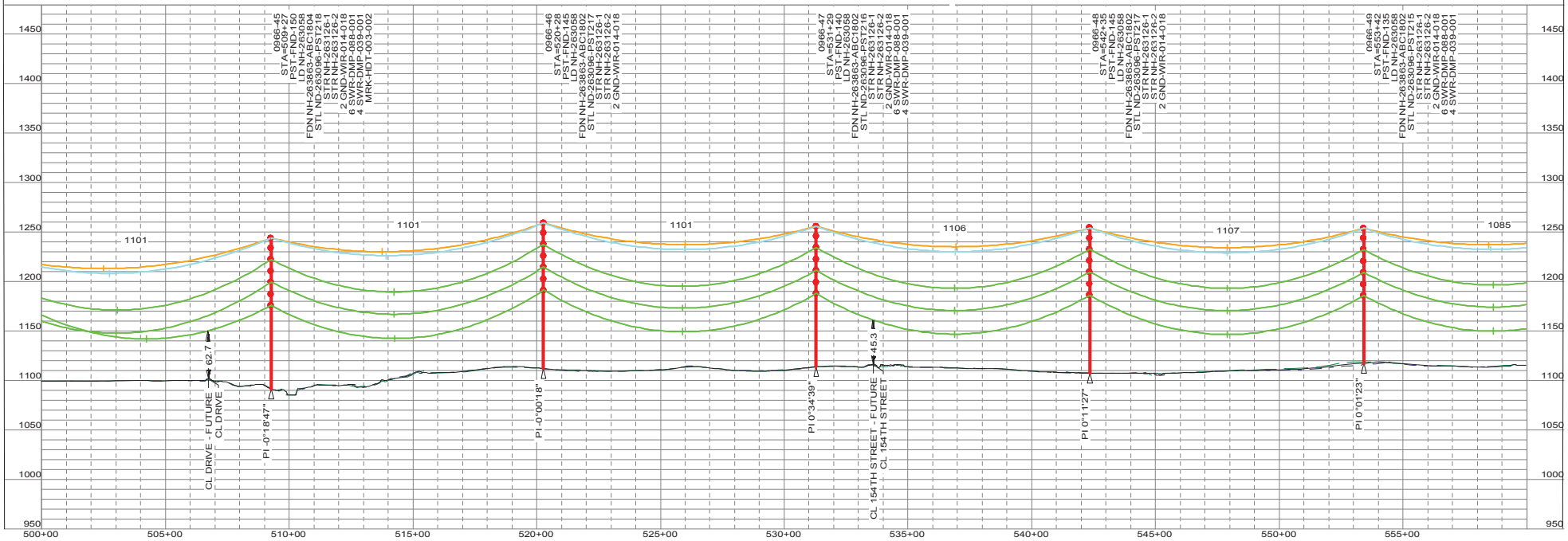


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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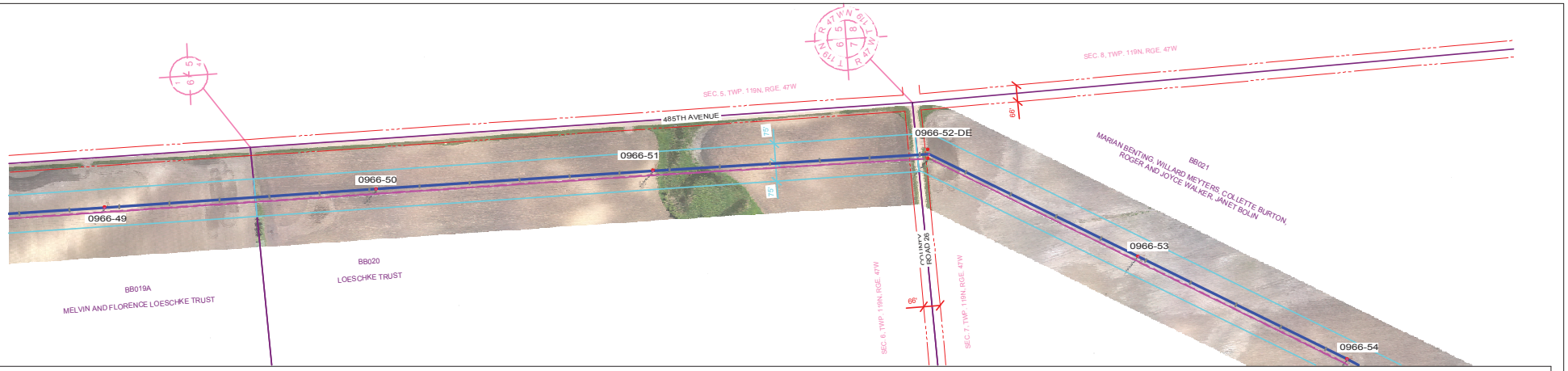
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-45 TO 0966-49
OF 110
NH-263189- 33
REV 5

0966_BSS-BOK 11/10/2017

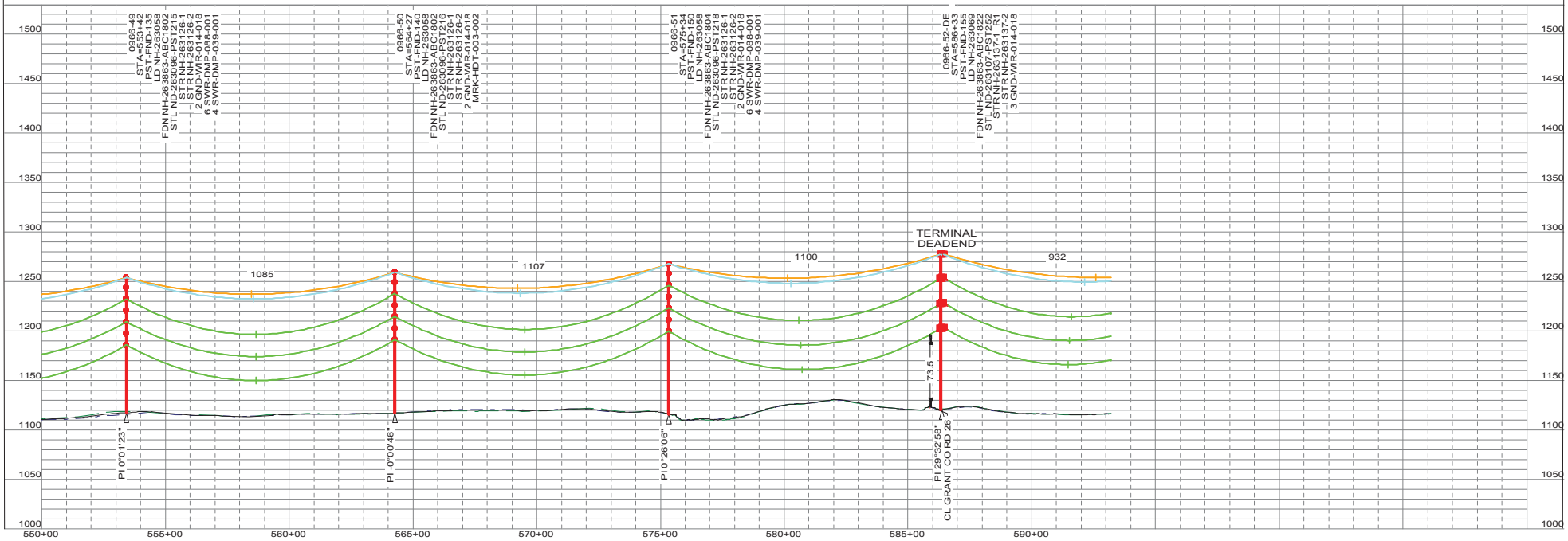


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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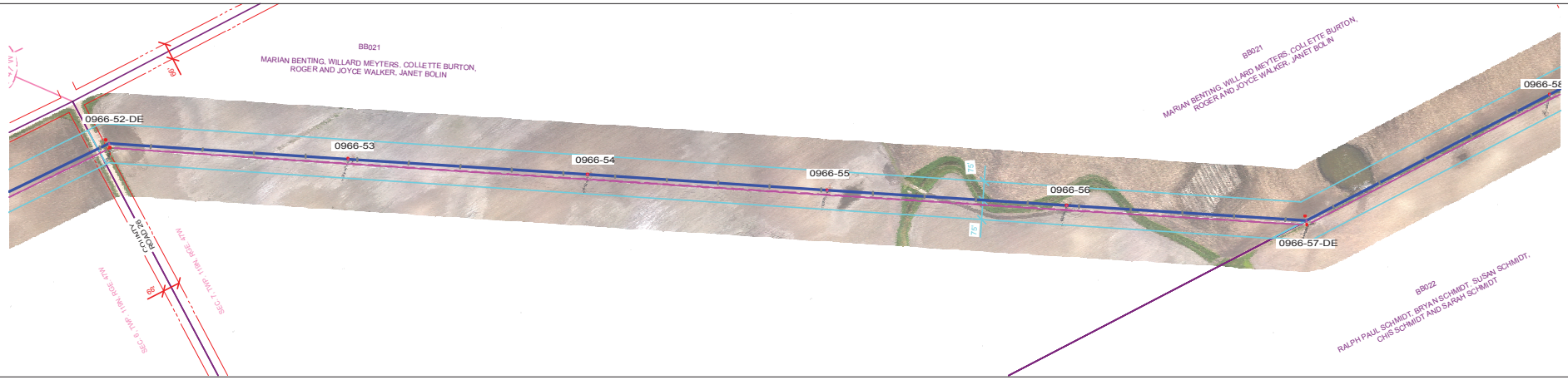
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-49 TO 0966-52-DE
OF 110
NH-263189- 34
REV 5

0966_BSS-BOK 11/10/2017

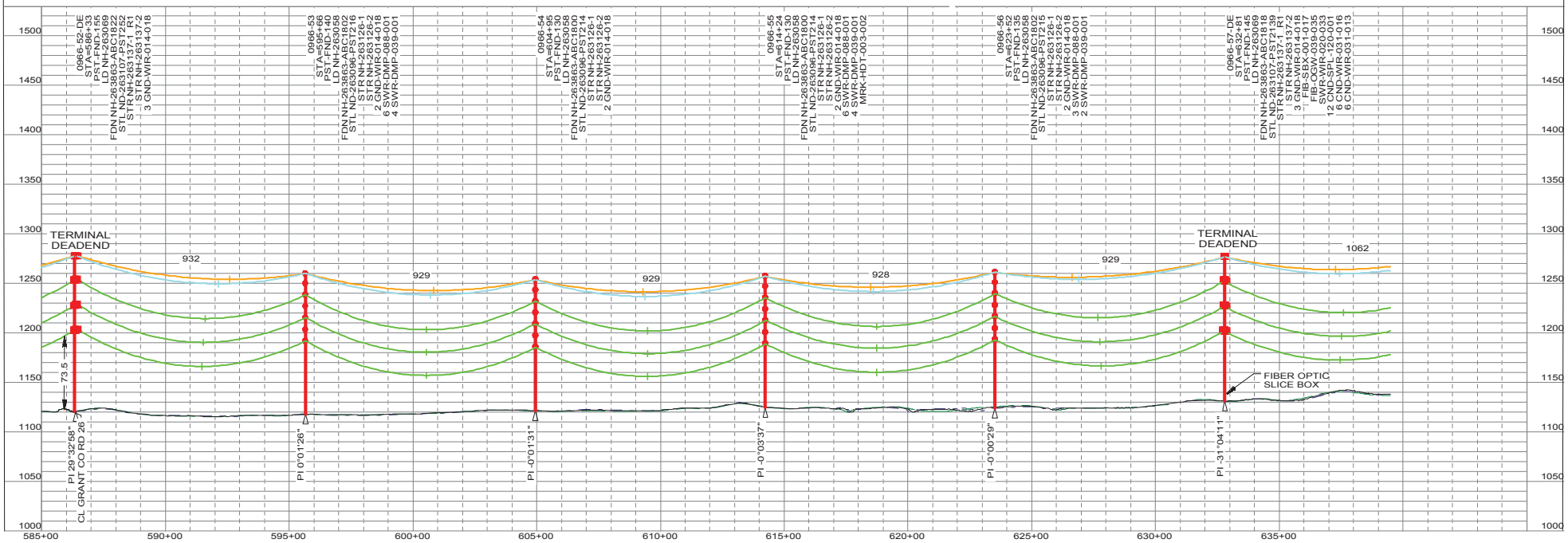


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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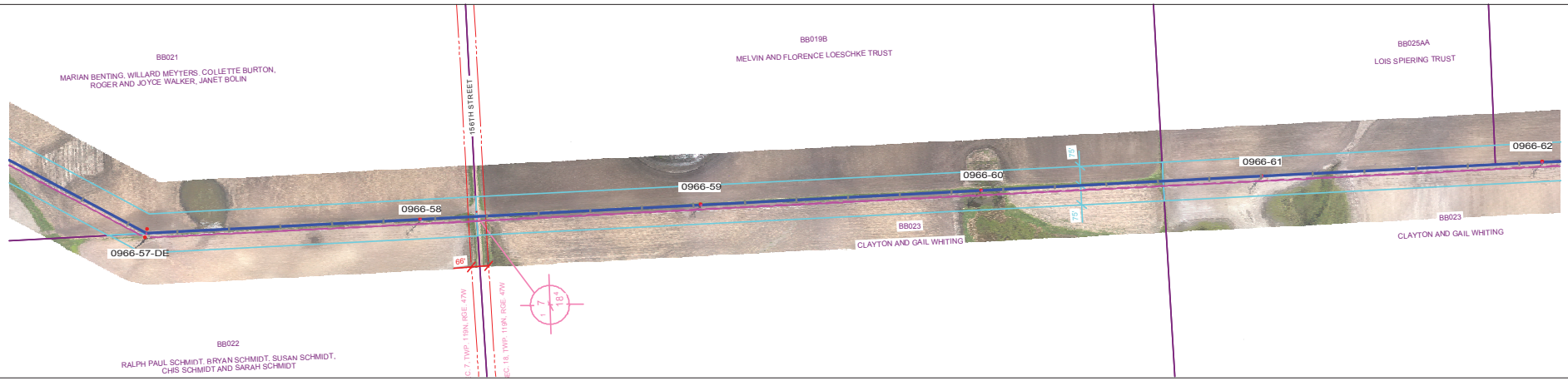
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-52-DE TO 0966-57-DE
NH-263189- 35
OF 110
REV 5

0966_BSS-BOK 11/10/2017



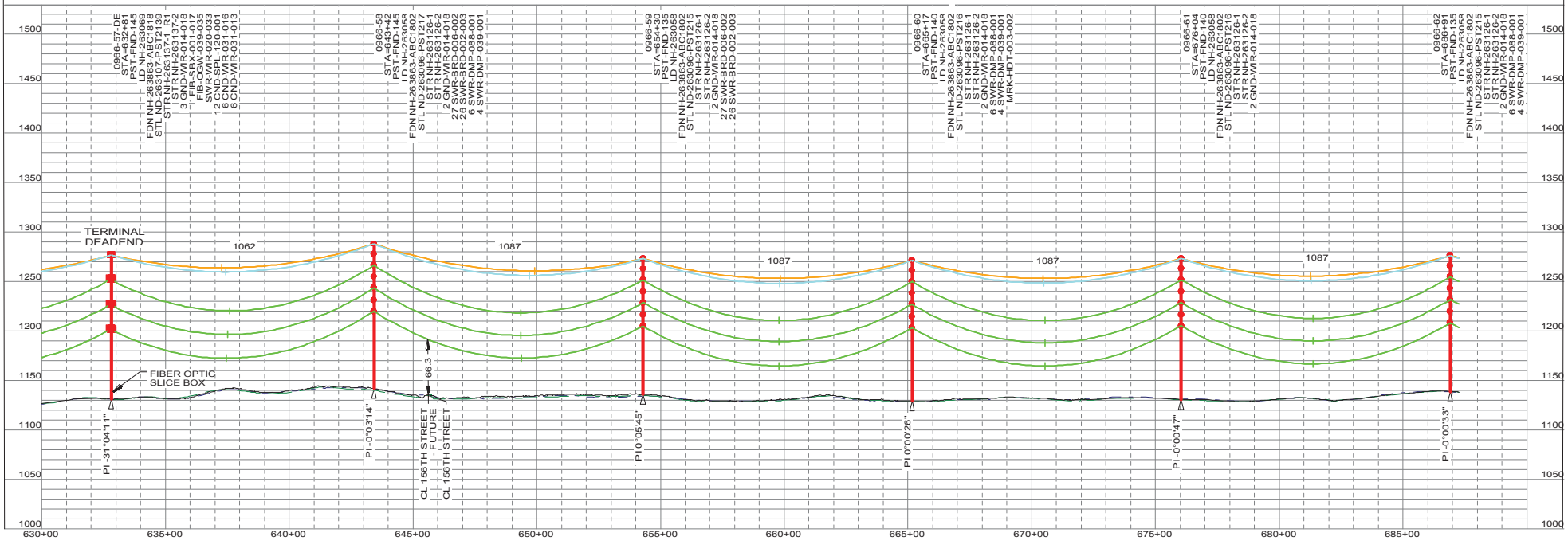
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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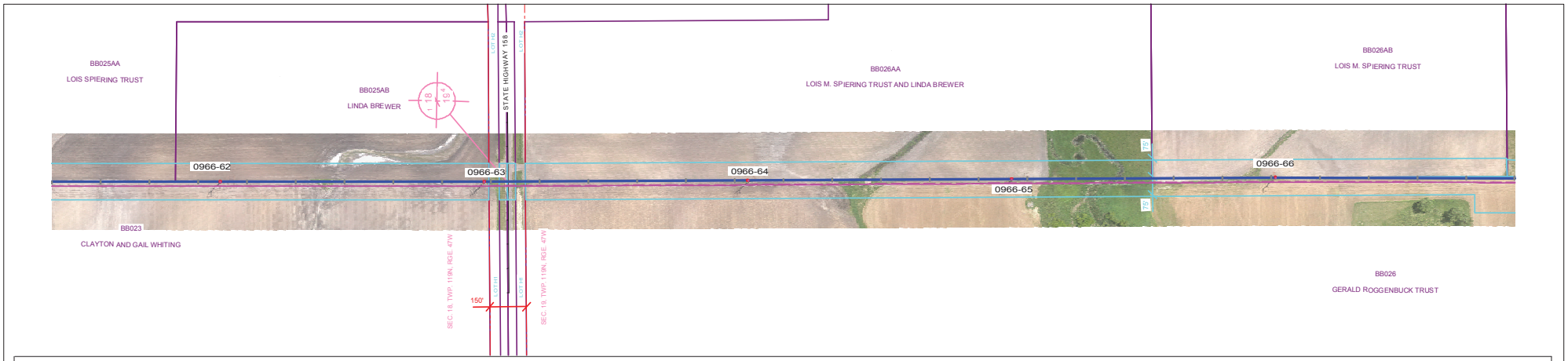
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-57-DE TO 0966-62
OF 110
NH-263189- 36
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



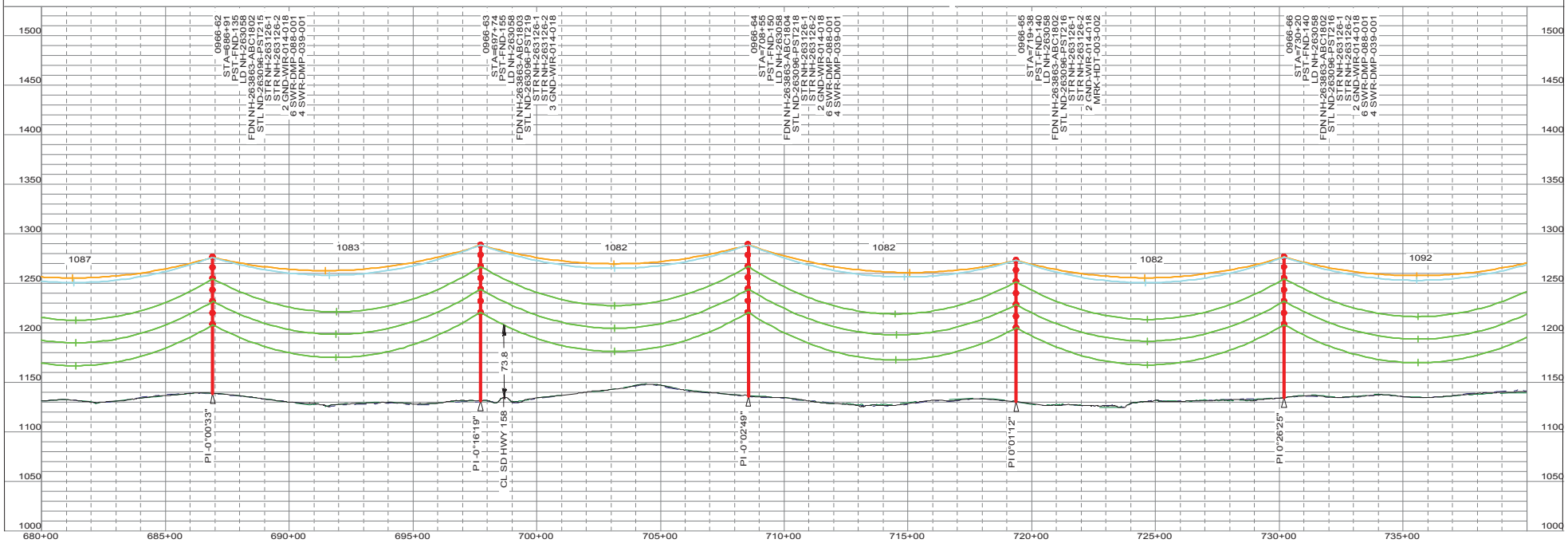
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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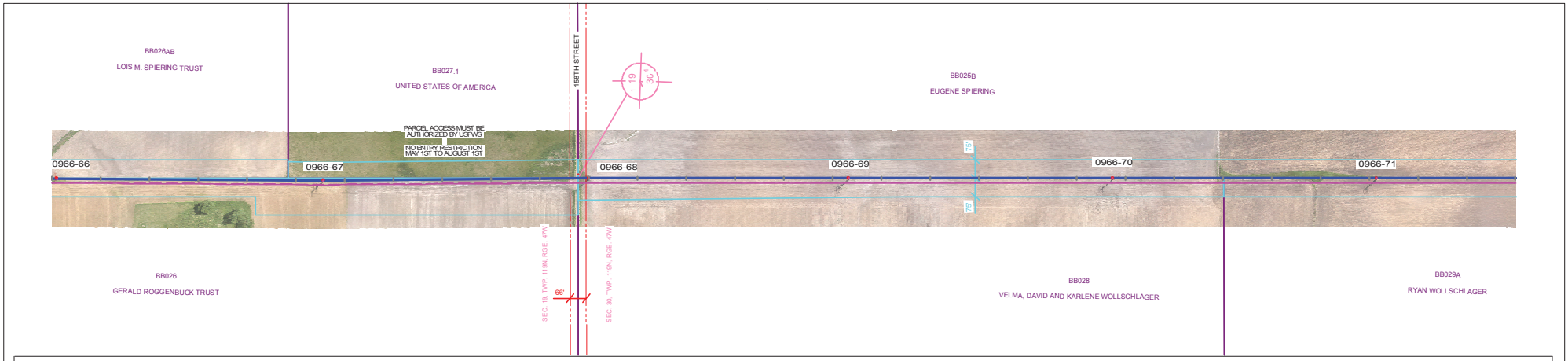
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-62 TO 0966-66
OF 110
NH-263189- 37
REV 5

0966_BSS-BOK 11/10/2017



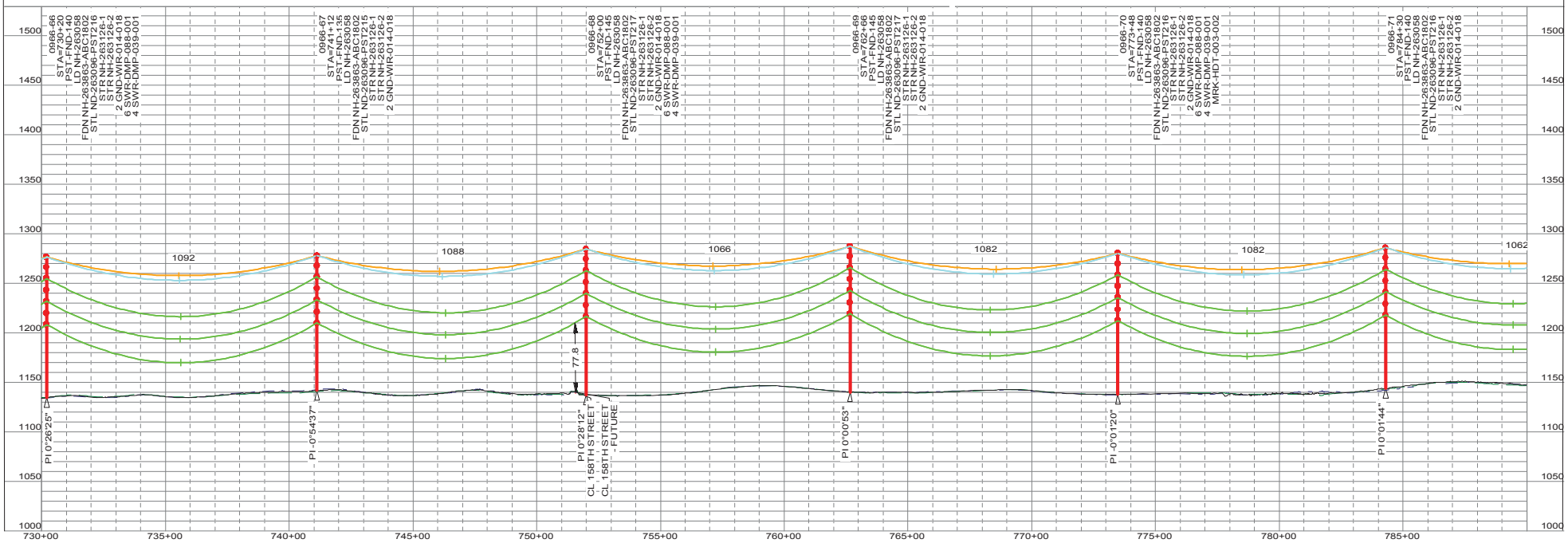
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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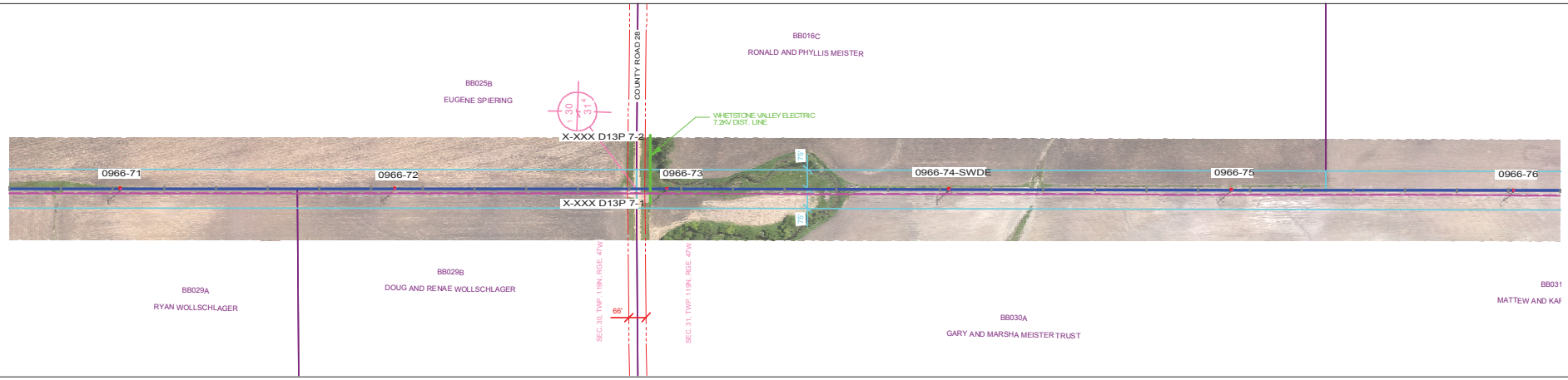
50.0 FT. VERT. SCALE

345KV
LINE 0966
BSS SUB TO BOK SUB

0966-66 TO 0966-71
OF 110
NH-263189- 38
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

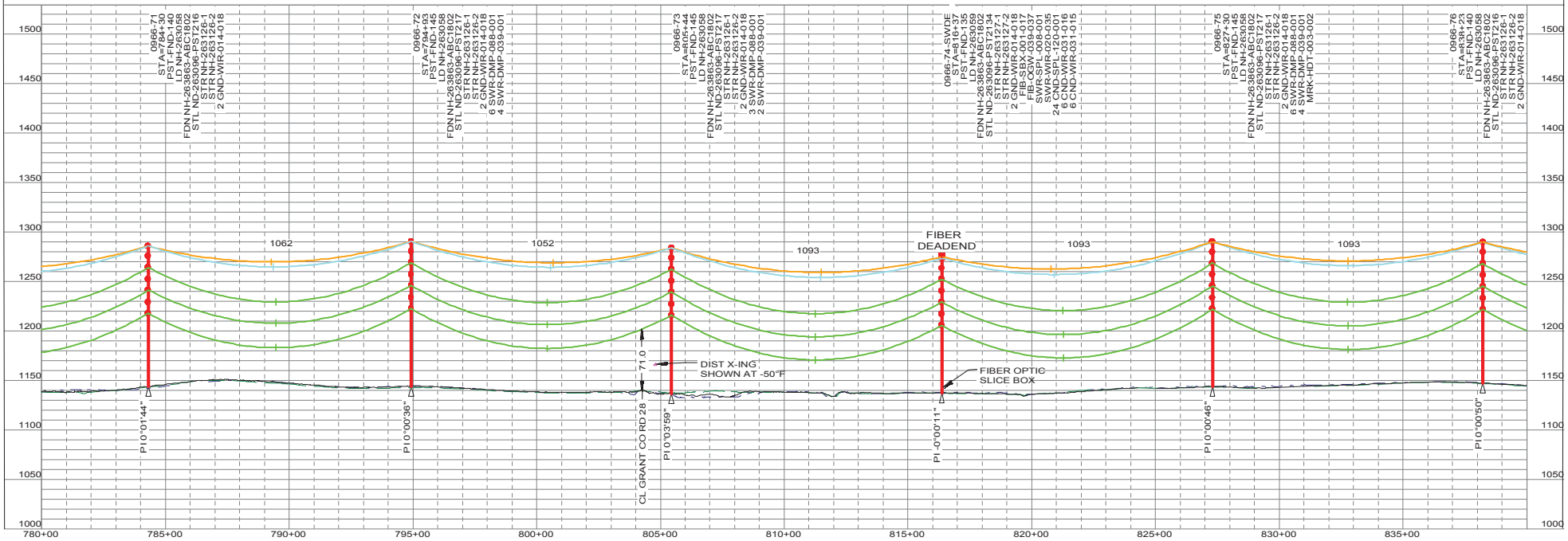


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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TRANSMISSION ENGINEERING DEPARTMENT

Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

345KV

LINE 0966
BSS SUB TO BOK SUB

0966-71 TO 0966-76

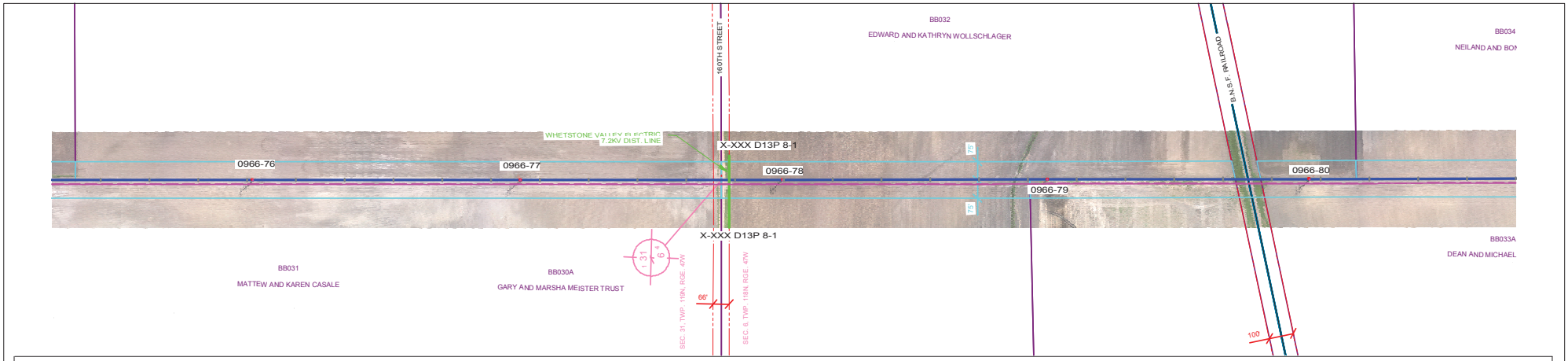
OF 110

NH-263189- 39

REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

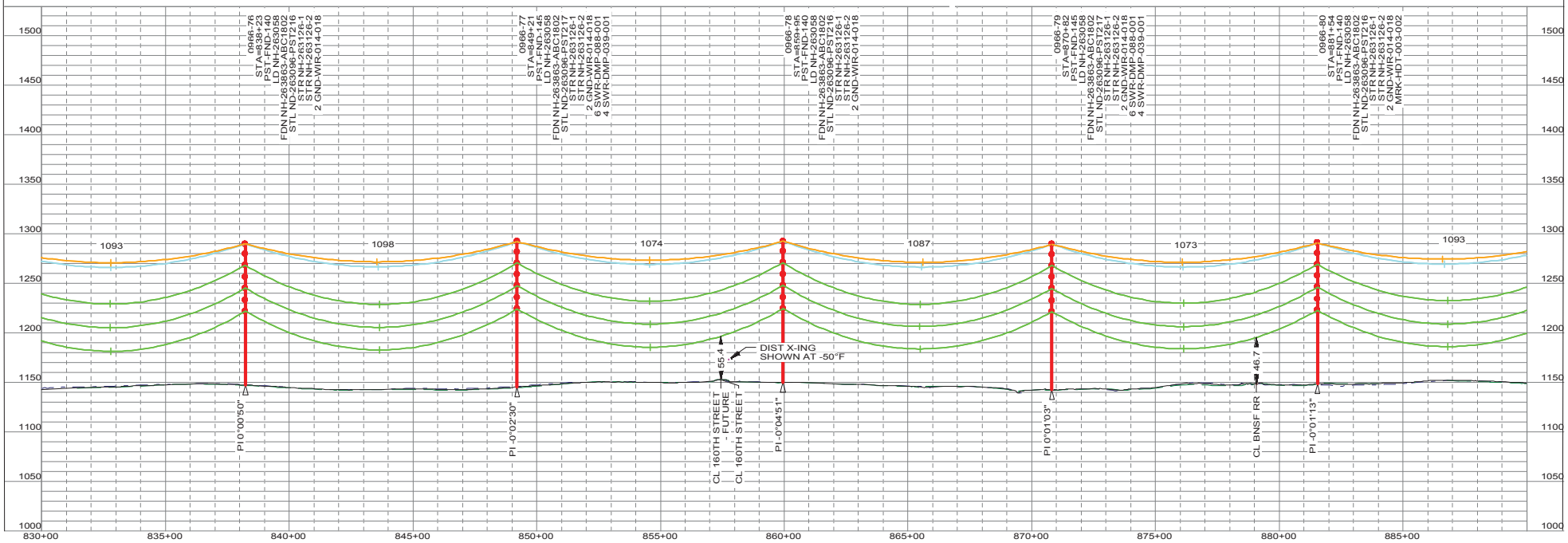


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy

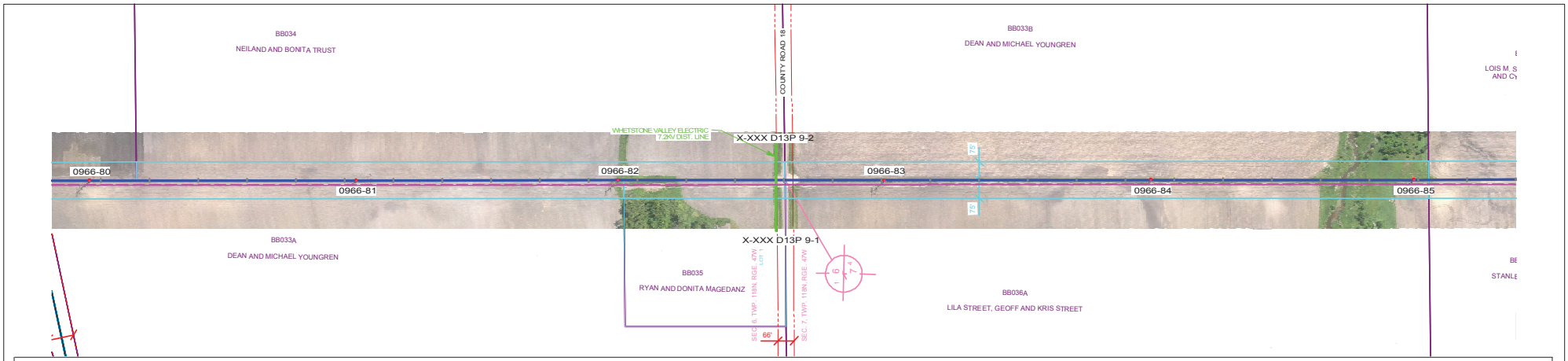
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

345KV

0966-76 TO 0966-80
OF 110
NH-263189- 40
REV 5

0966_BSS-BOK 11/10/2017



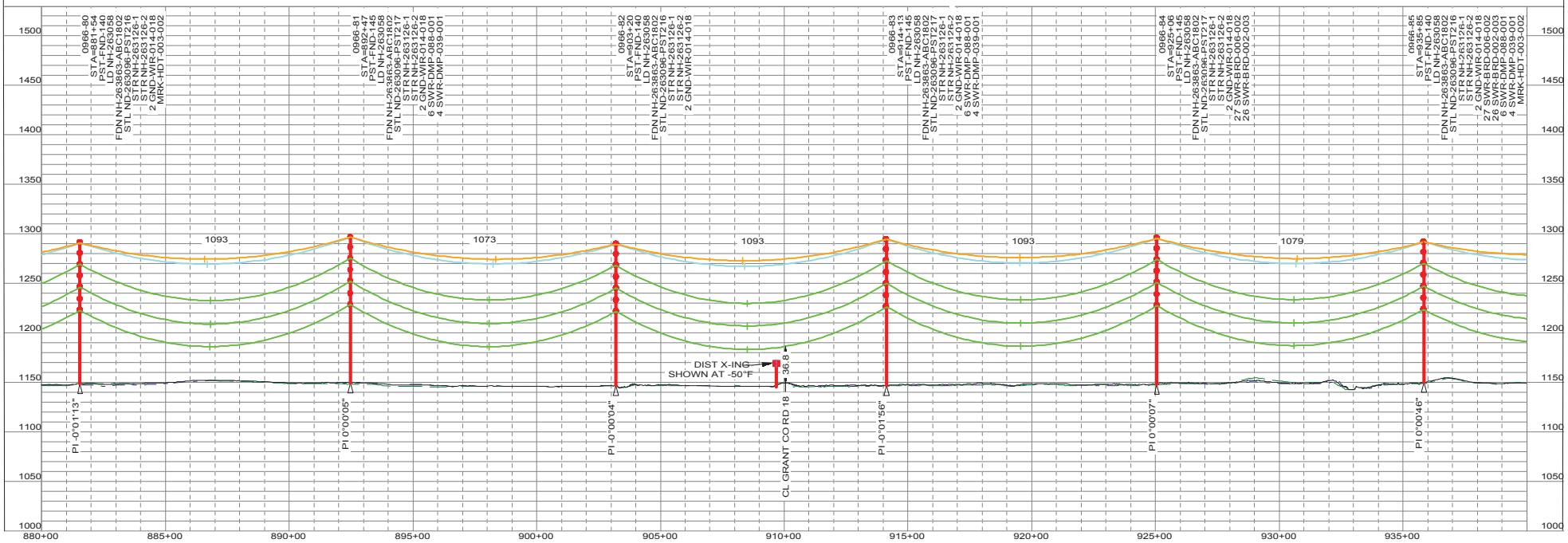
PLAN VIEW LEGEND

Z

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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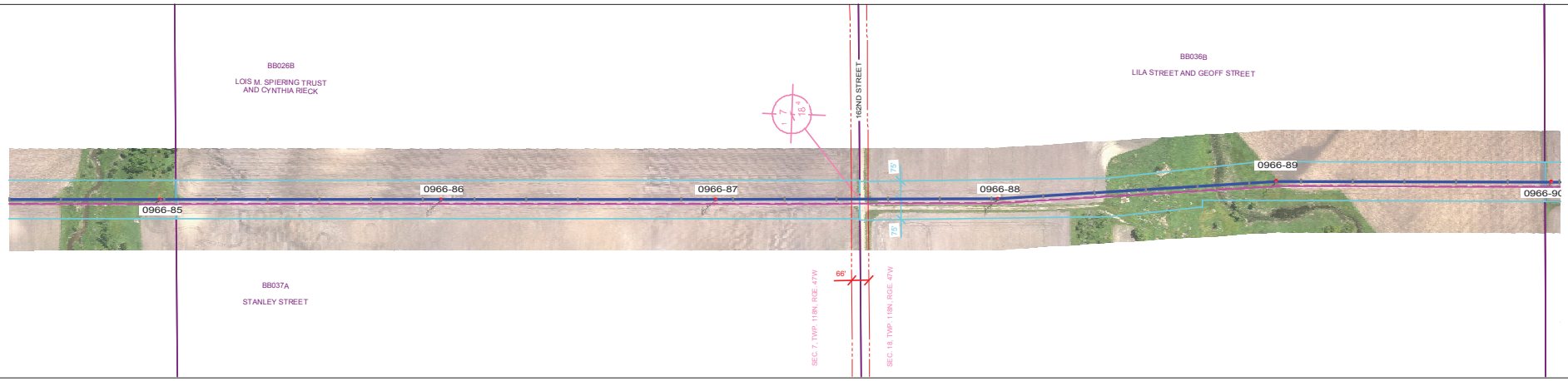
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-80 TO 0966-85
OF 110
NH-263189- 41
REV 5

0966_BSS-BOK 11/10/2017



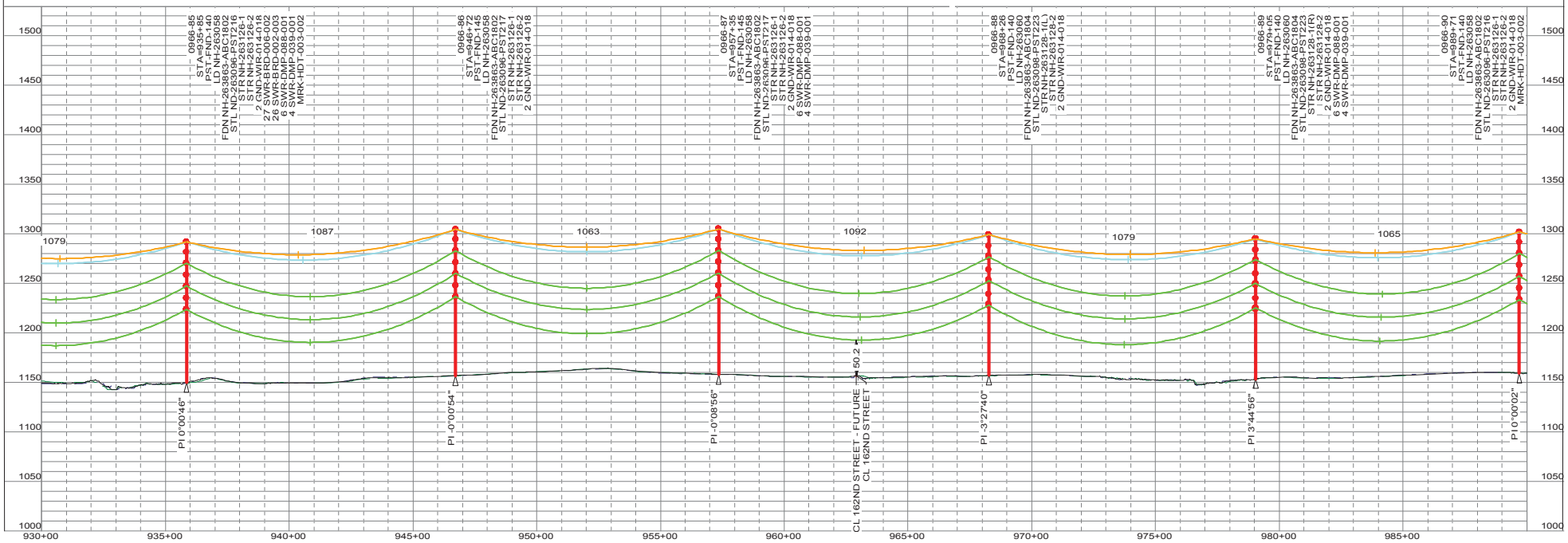
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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TRANSMISSION ENGINEERING DEPARTMENT
Xcel Energy

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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

345KV

0966-85 TO 0966-90

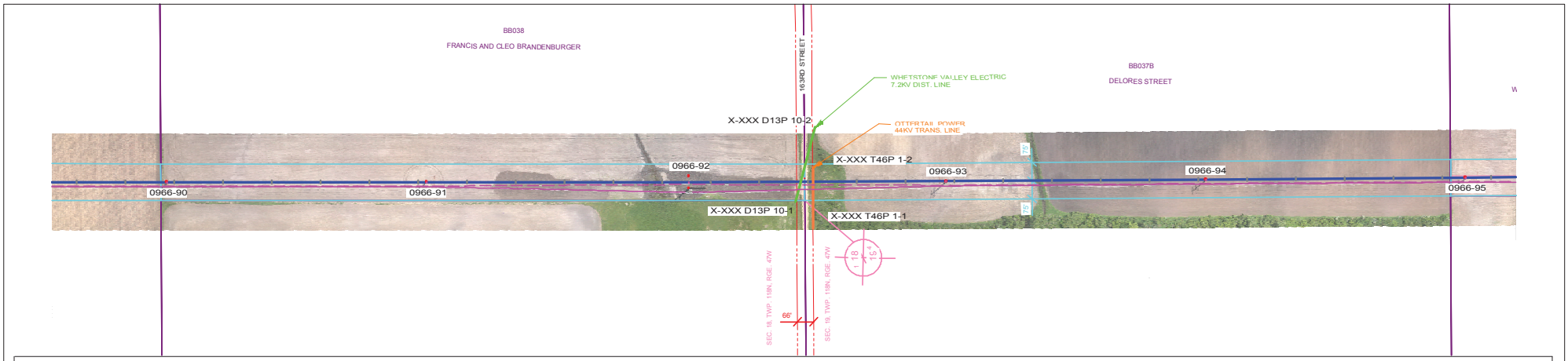
NH-263189- 42

OF 110

REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



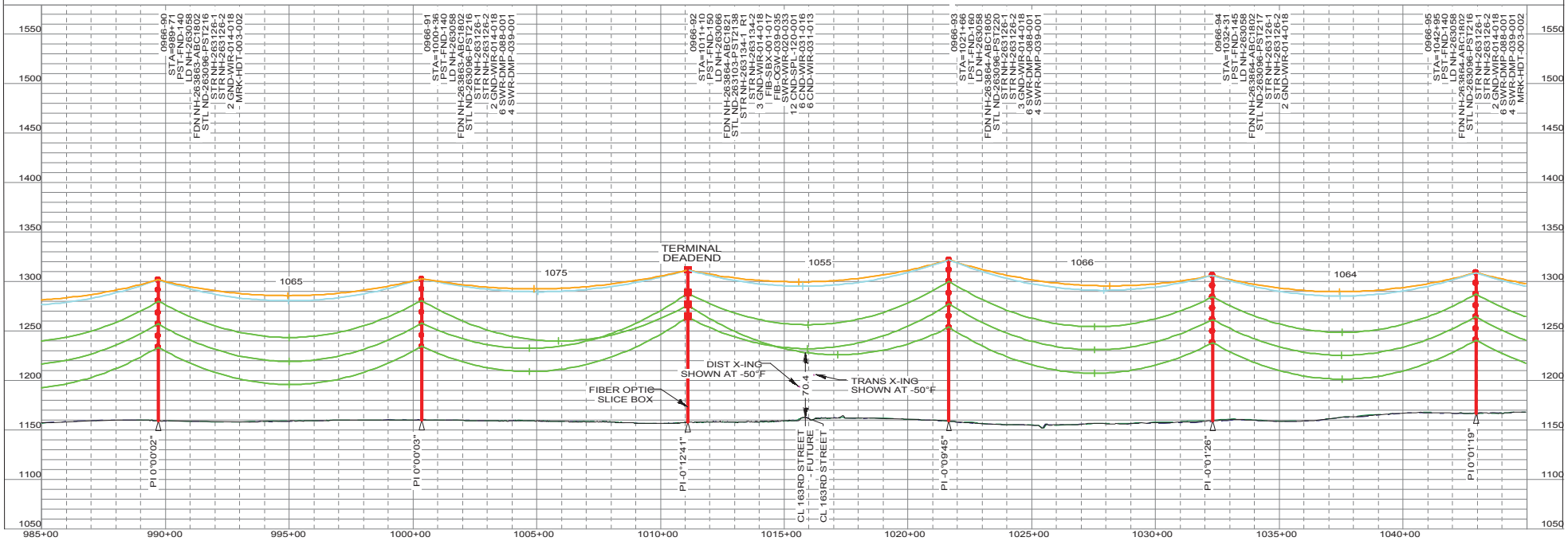
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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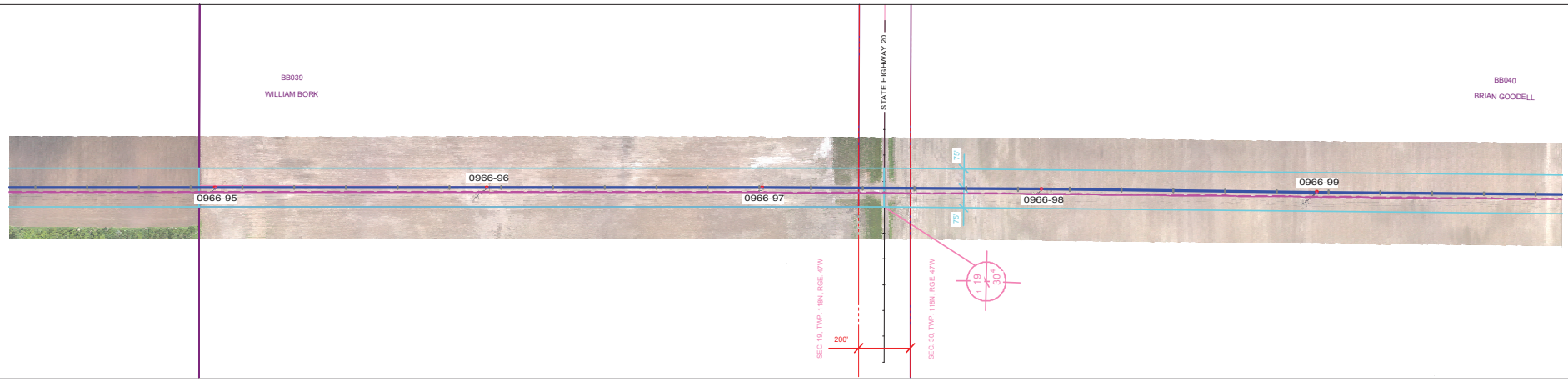
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-90 TO 0966-95
OF 110
NH-263189- 43
REV 5

0966_BSS-BOK 11/10/2017



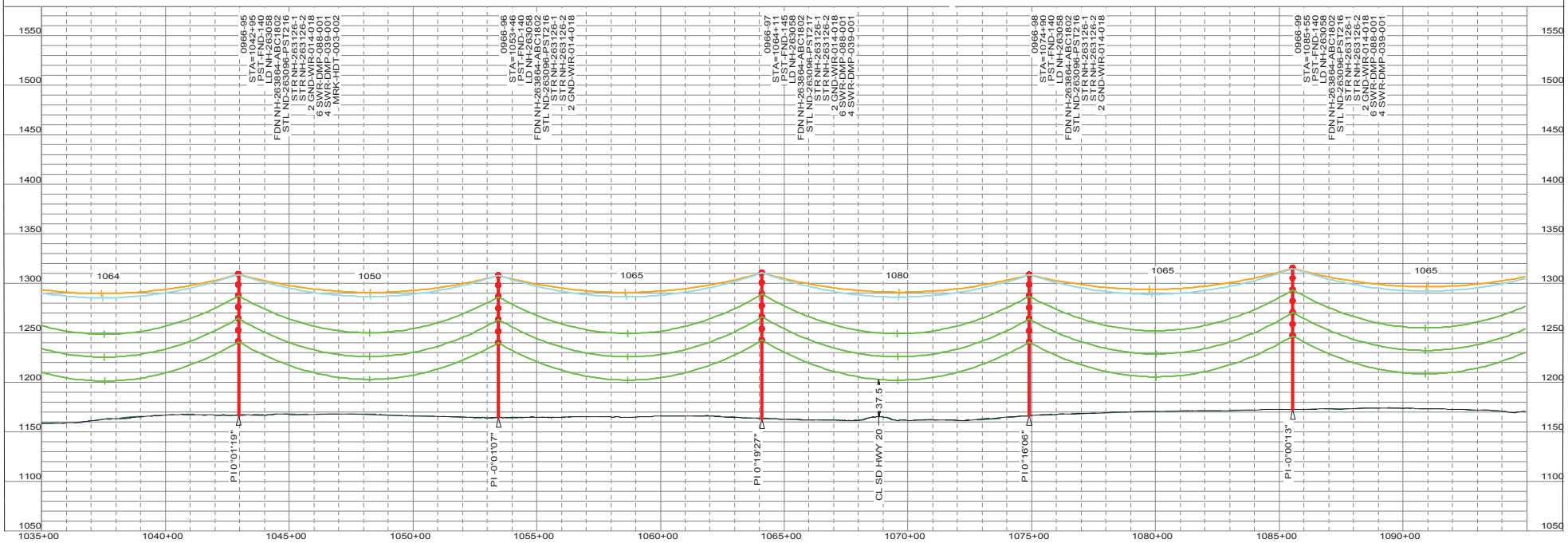
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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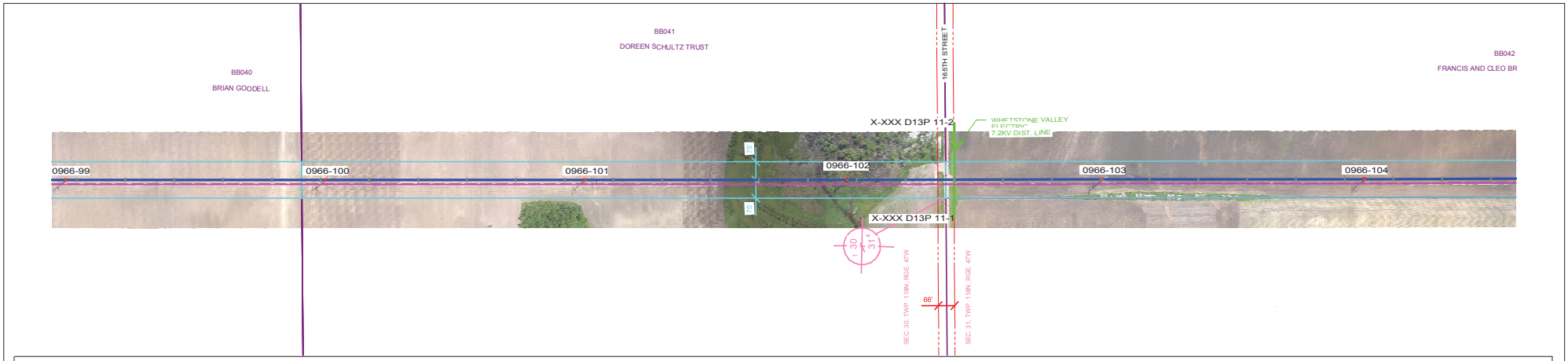
50.0 FT. VERT. SCALE

345KV
LINE 0966
BSS SUB TO BOK SUB

0966-95 TO 0966-99
OF 110
NH-263189- 44
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



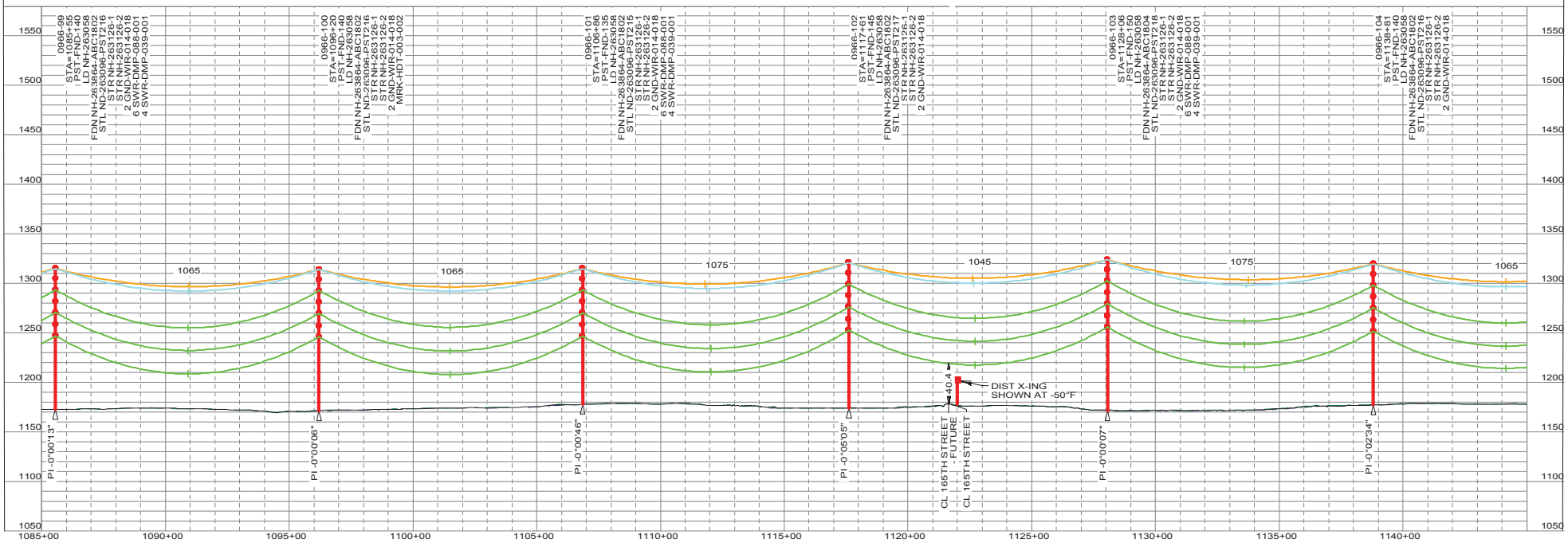
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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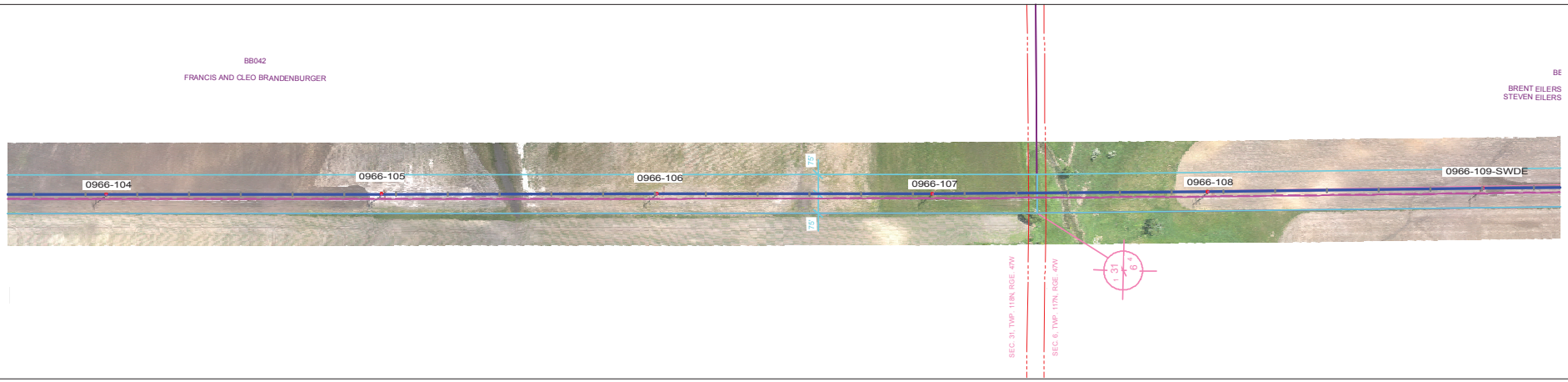
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-99 TO 0966-104
OF 110
NH-263189- 45
REV 5

0966_BSS-BOK 11/10/2017



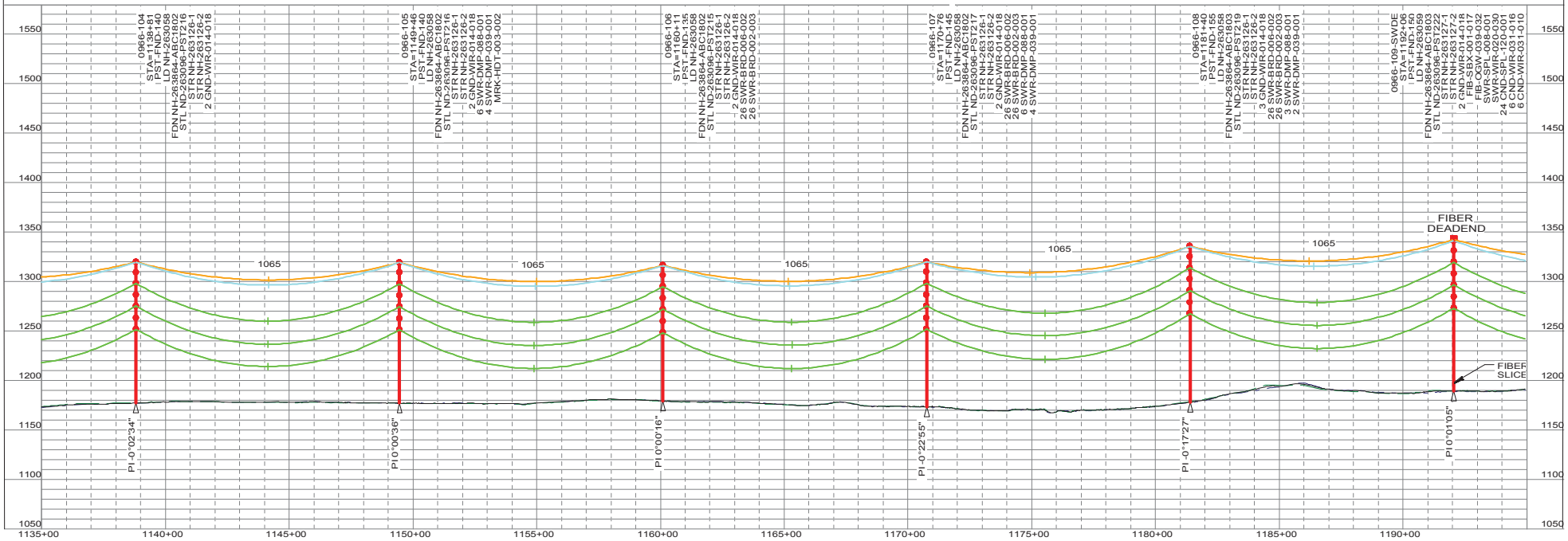
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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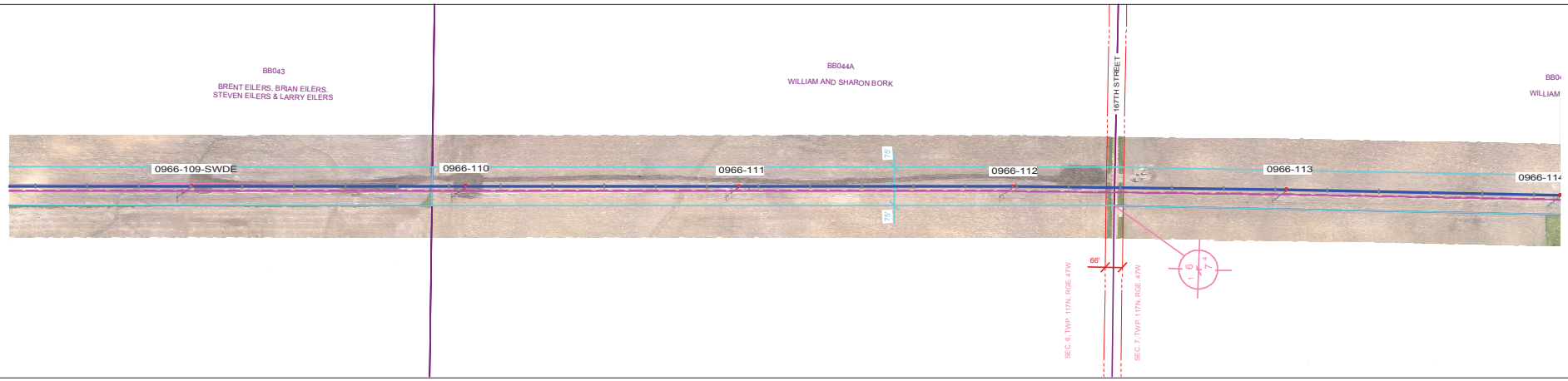
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-104 TO 0966-109-SWDE
OF 110
NH-263189- 46
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



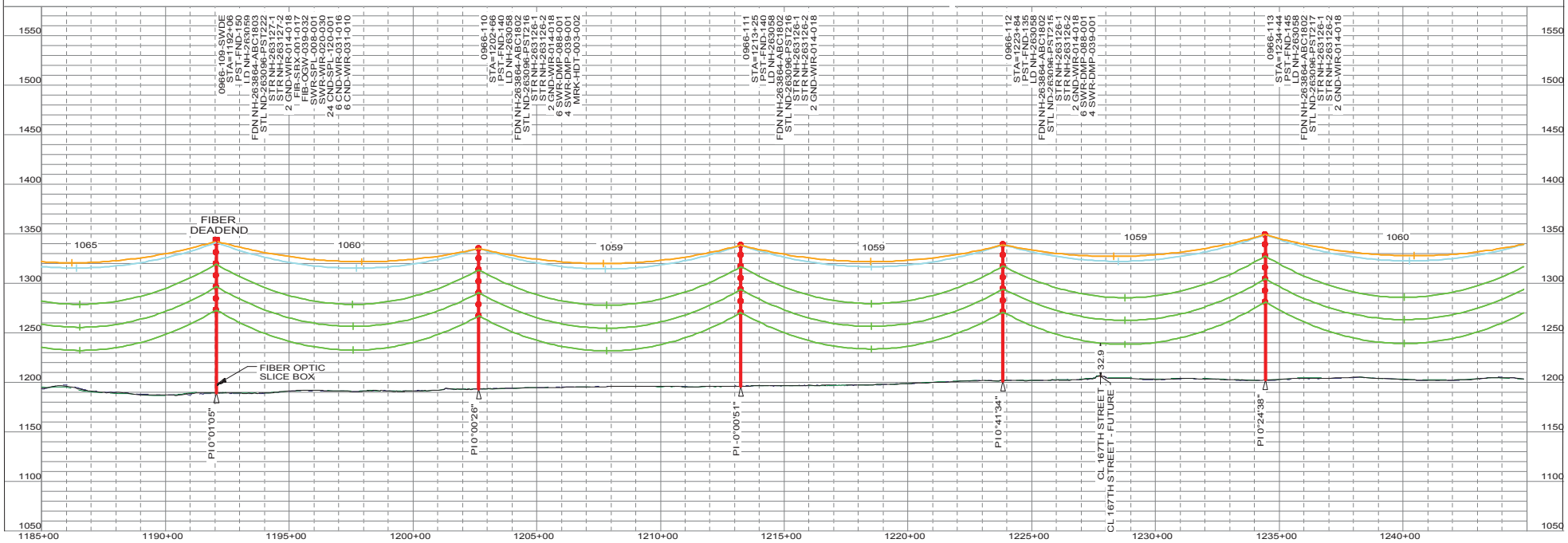
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

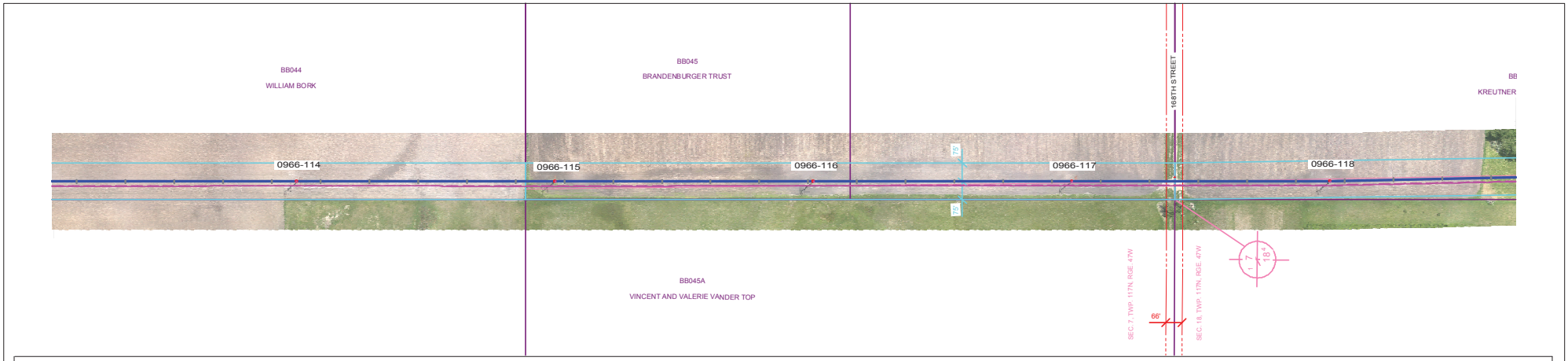
345KV

0966-109-SWDE TO 0966-113

NH-263189- 47 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



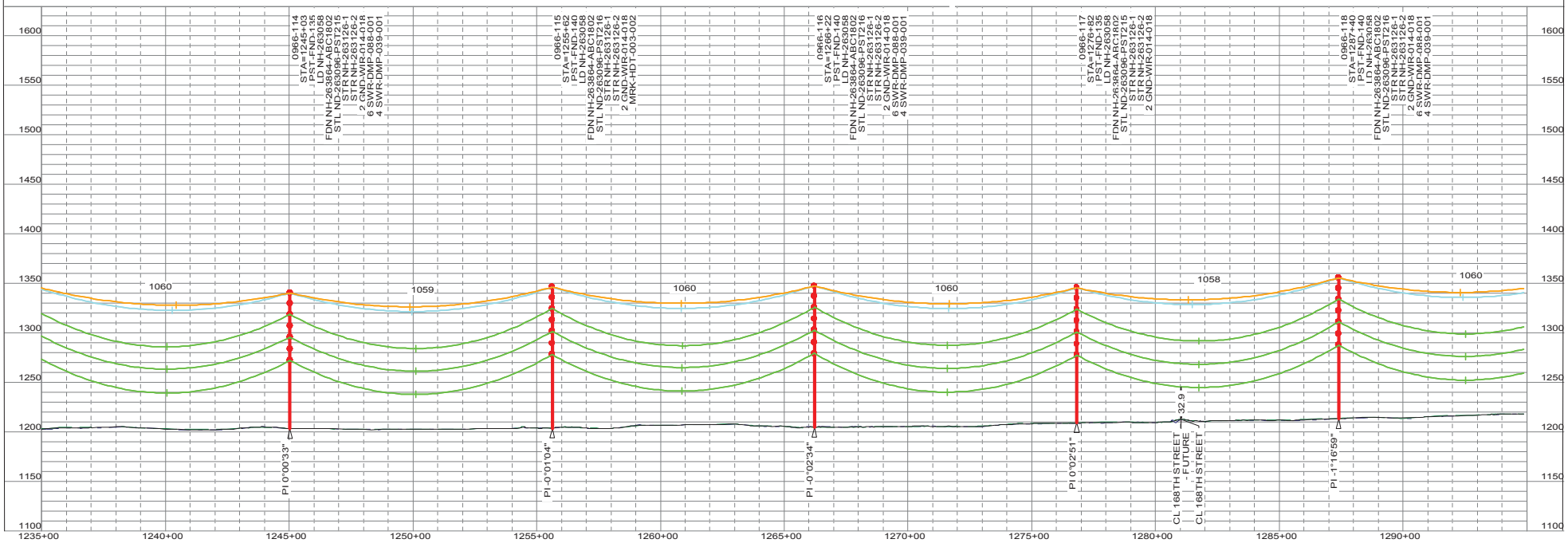
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-114 TO 0966-118
OF 110
NH-263189- 48
REV 5

0966_BSS-BOK 11/10/2017

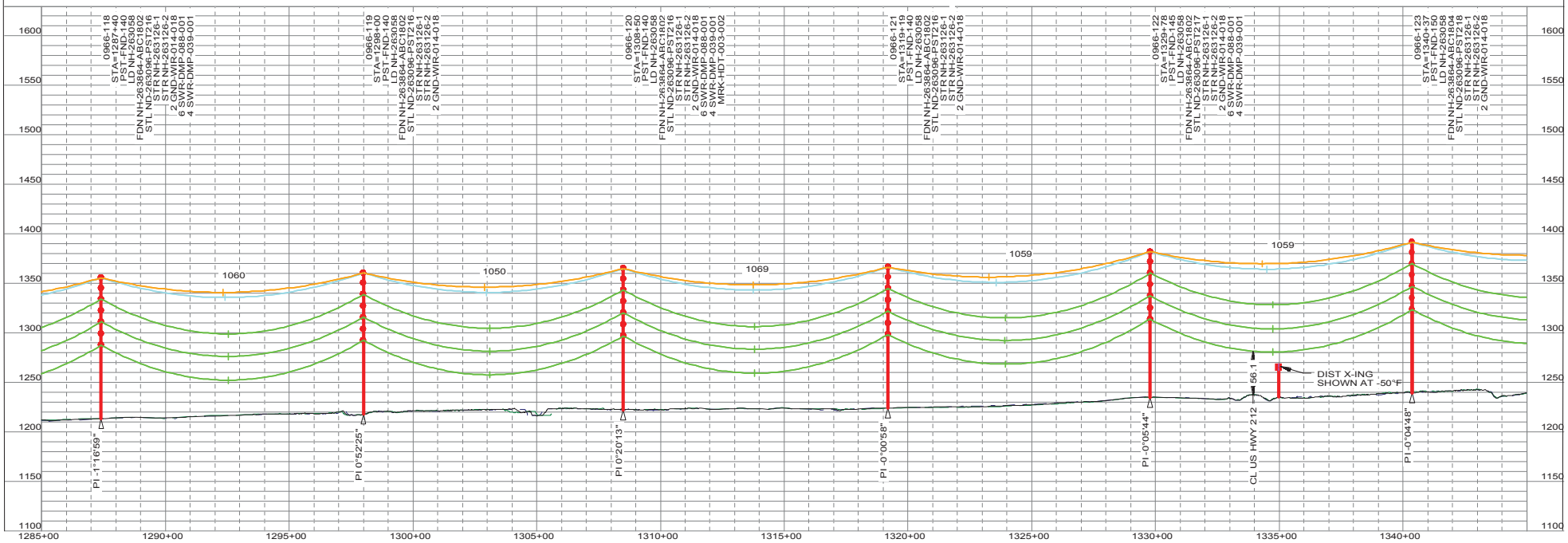
PLS-CADD DRAWI

PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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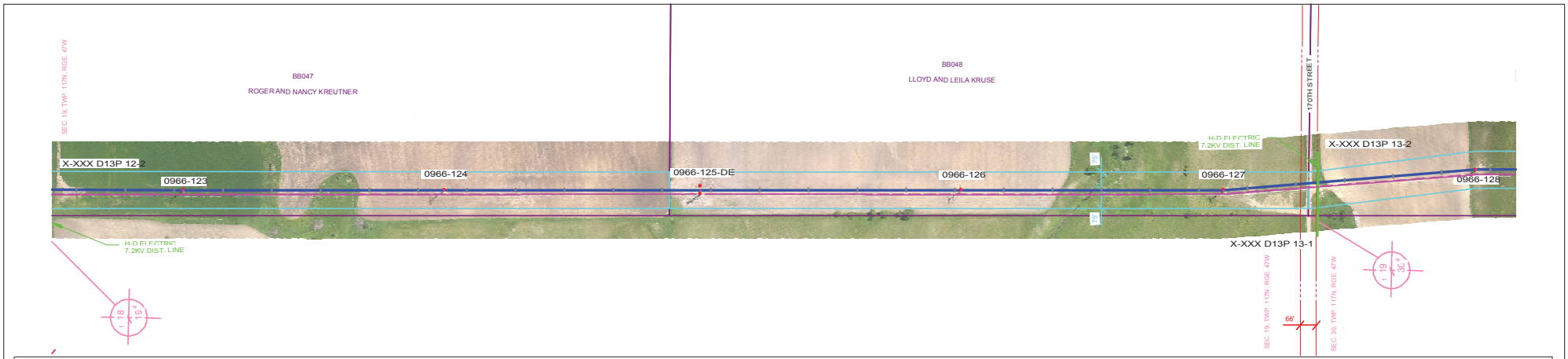
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-118 TO 0966-123
OF 110
NH-263189- 49
REV 5

0966_BSS-BOK 11/10/2017

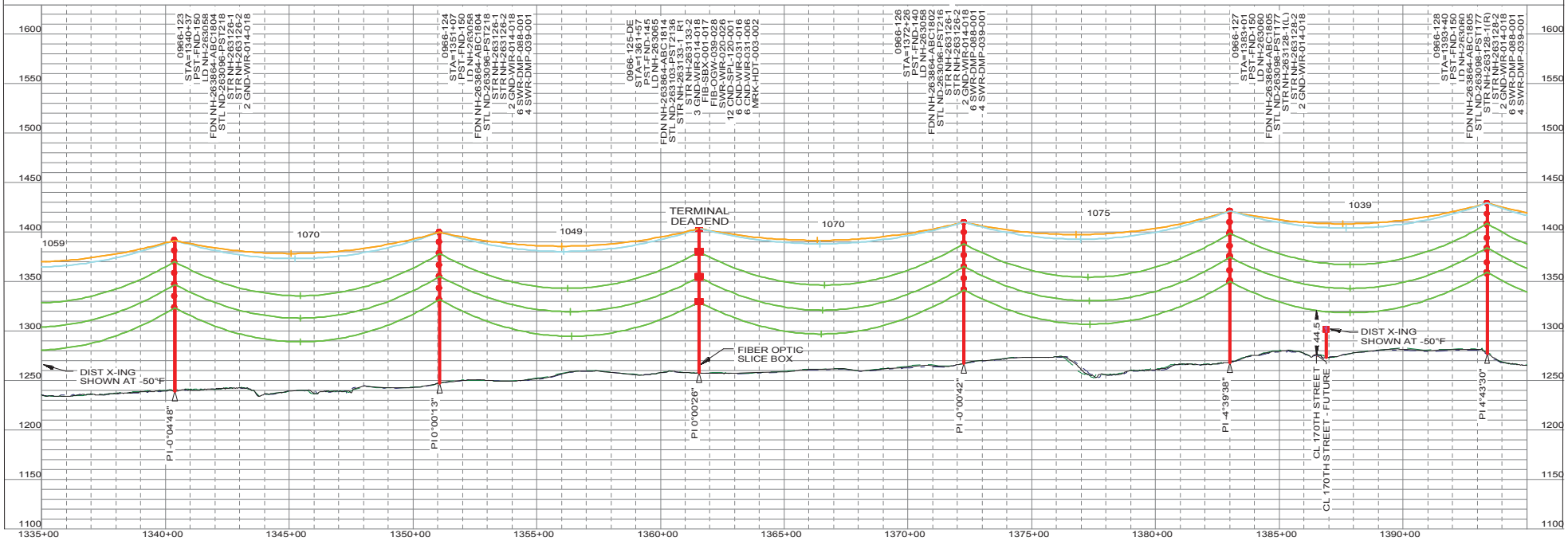


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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LINE 0966
BSS SUB TO BOK SUB
345KV

0966-123 TO 0966-128
NH-263189- 50
OF 110
REV 5

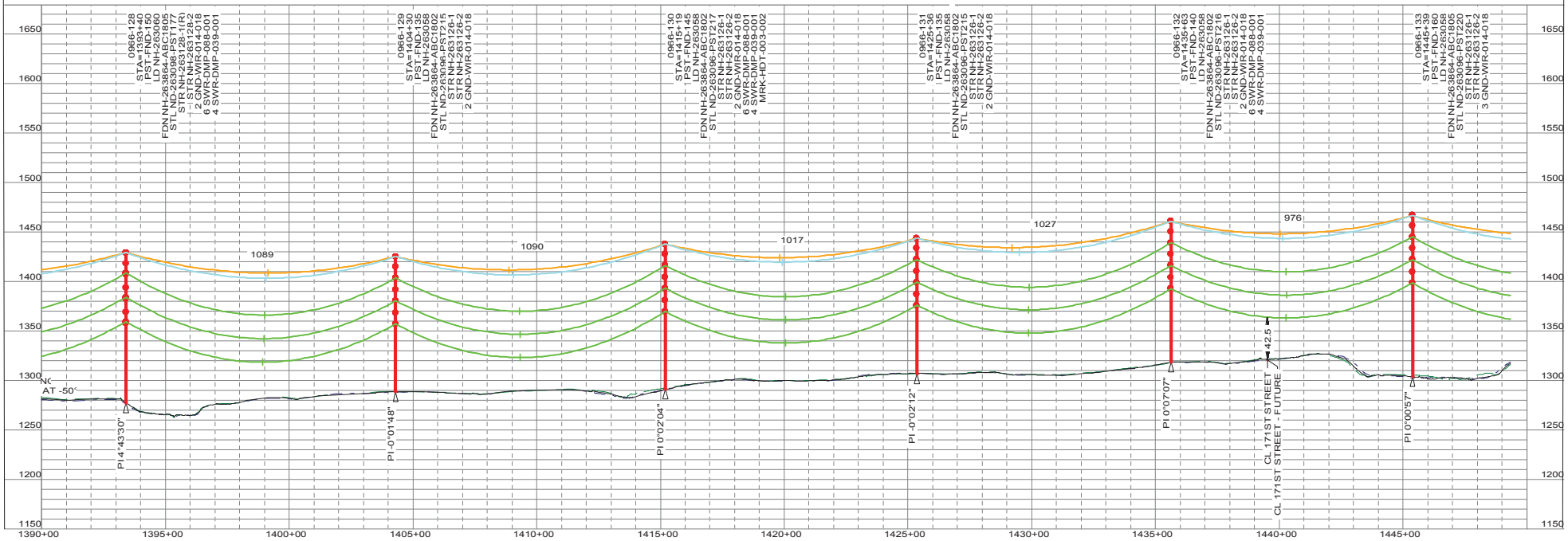
0966_BSS-BOK 11/10/2017

PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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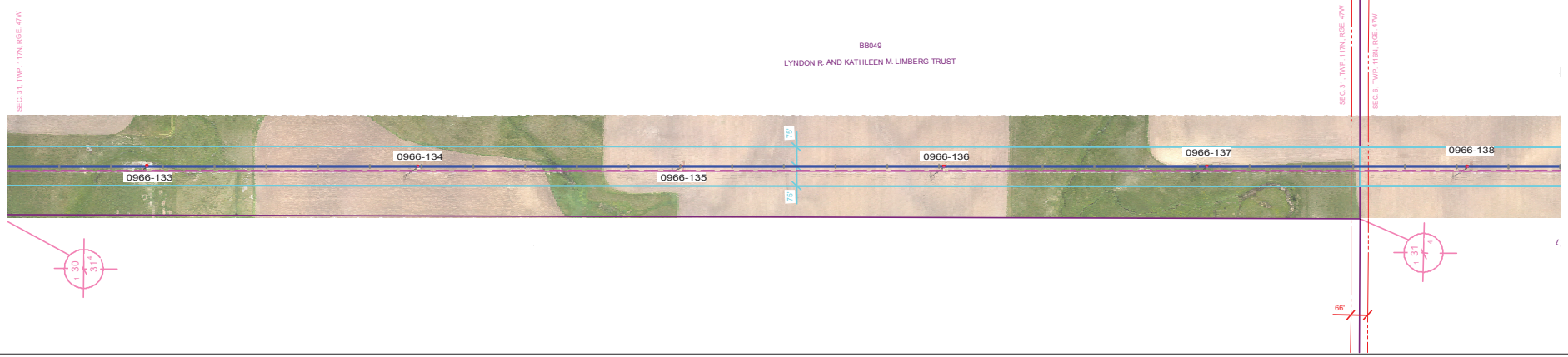
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-128 TO 0966-133
NH-263189- 51 OF 110
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



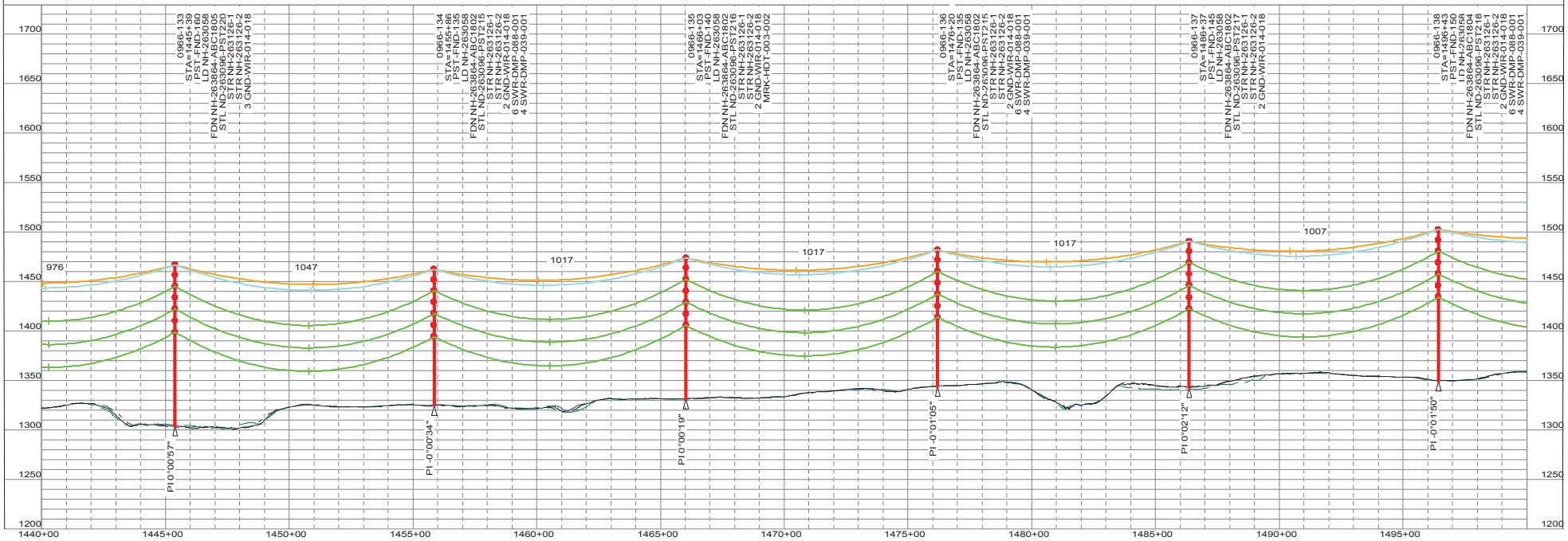
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

345KV

LINE 0966
BSS SUB TO BOK SUB

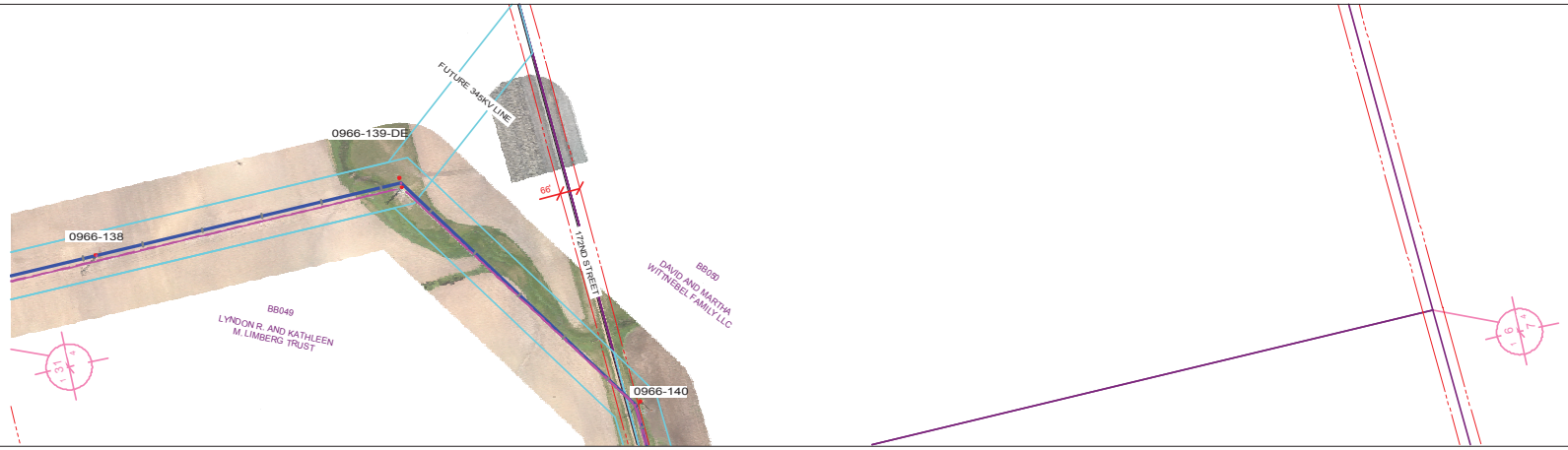
0966-133 TO 0966-138

OF 110

NH-263189- 52

REV 5

0966_BSS-BOK 11/10/2017



PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE

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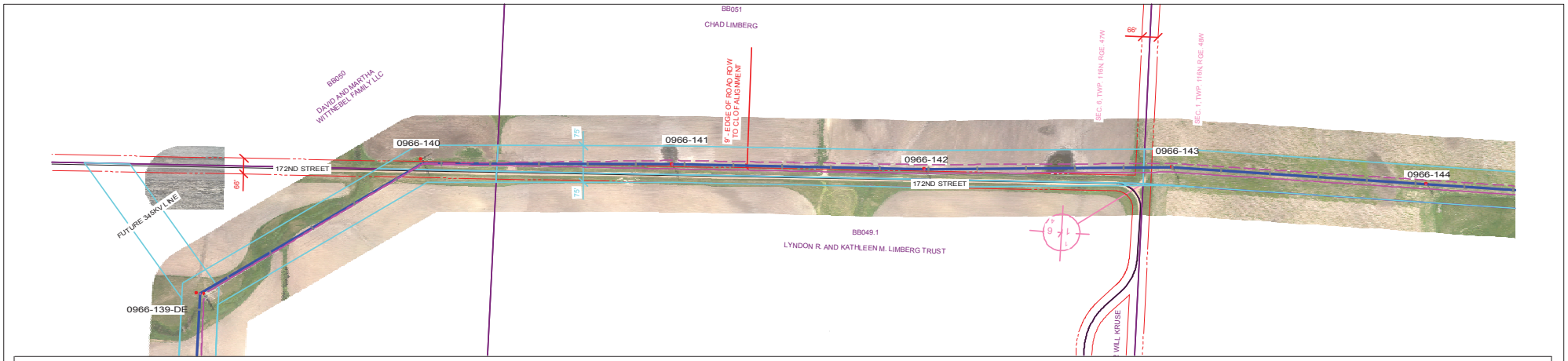
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-138 TO 0966-139-DE
NH-263189- 53 OF 110 REV 5

0966_BSS-BOK 11/10/2017



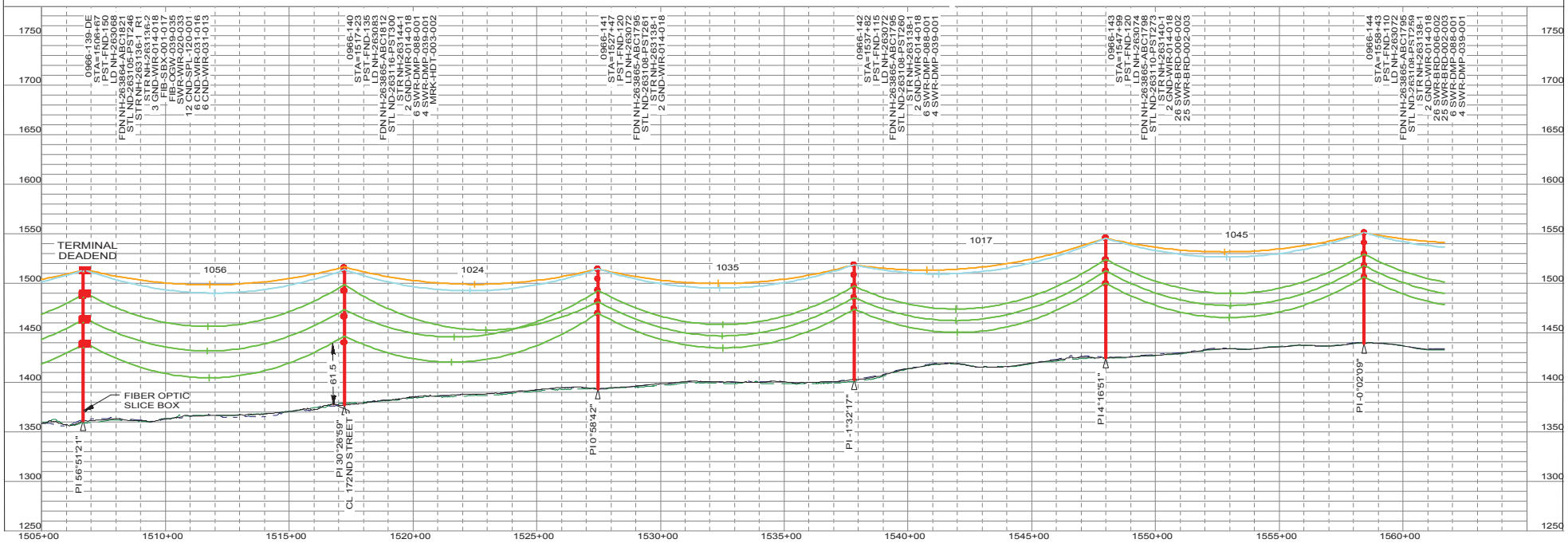
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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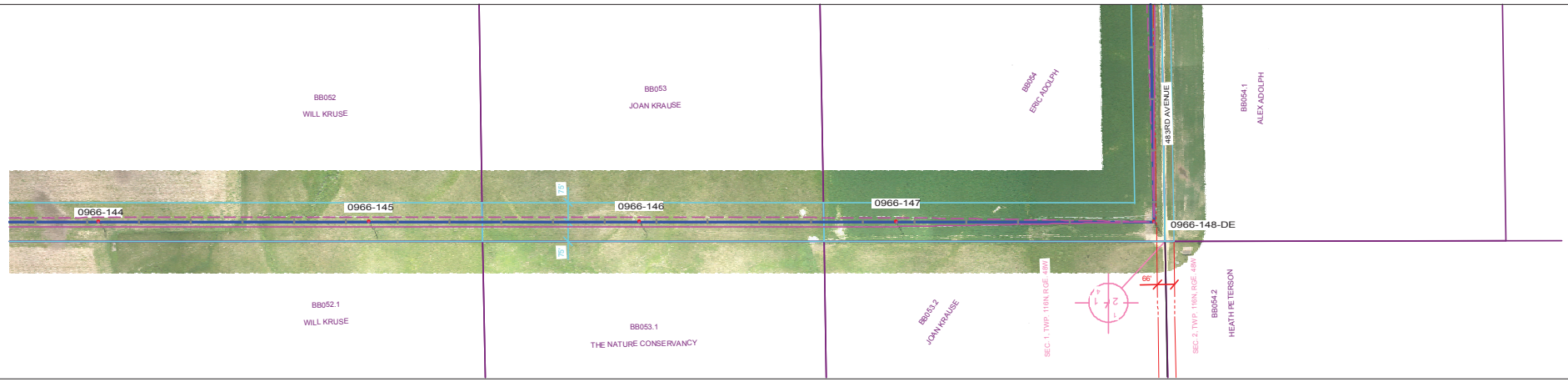
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-139-DE TO 0966-144
NH-263189- 54
OF 110
REV 5

0966_BSS-BOK 11/10/2017



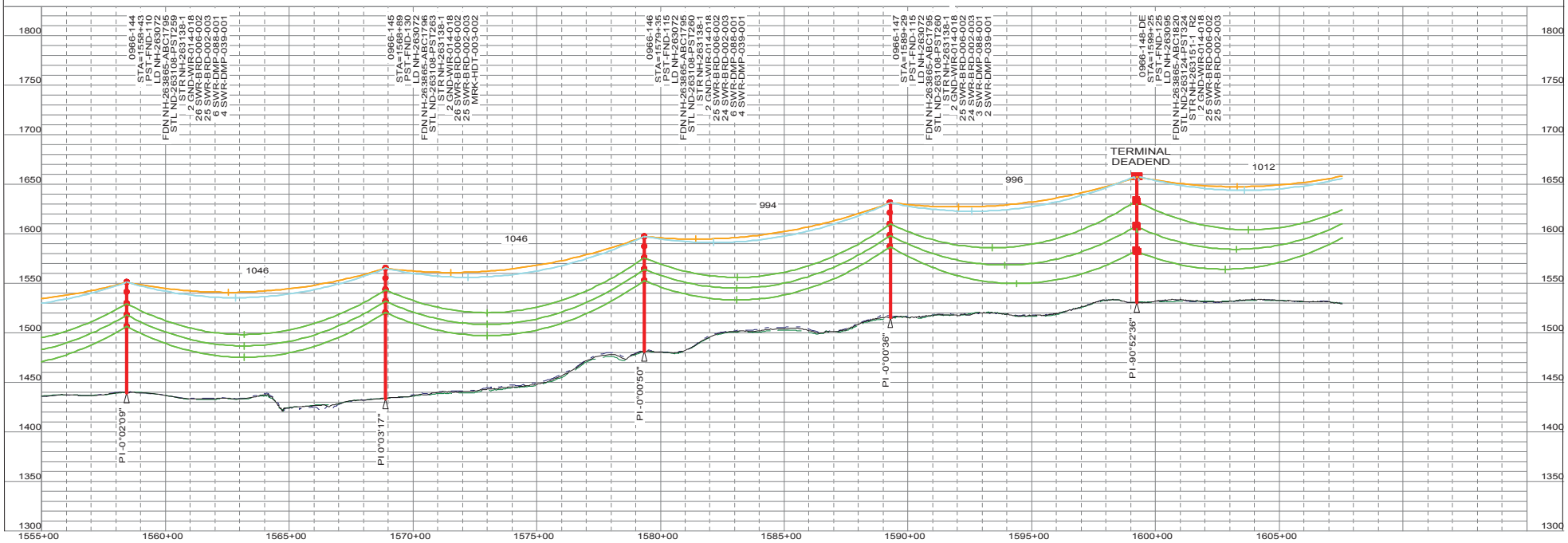
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

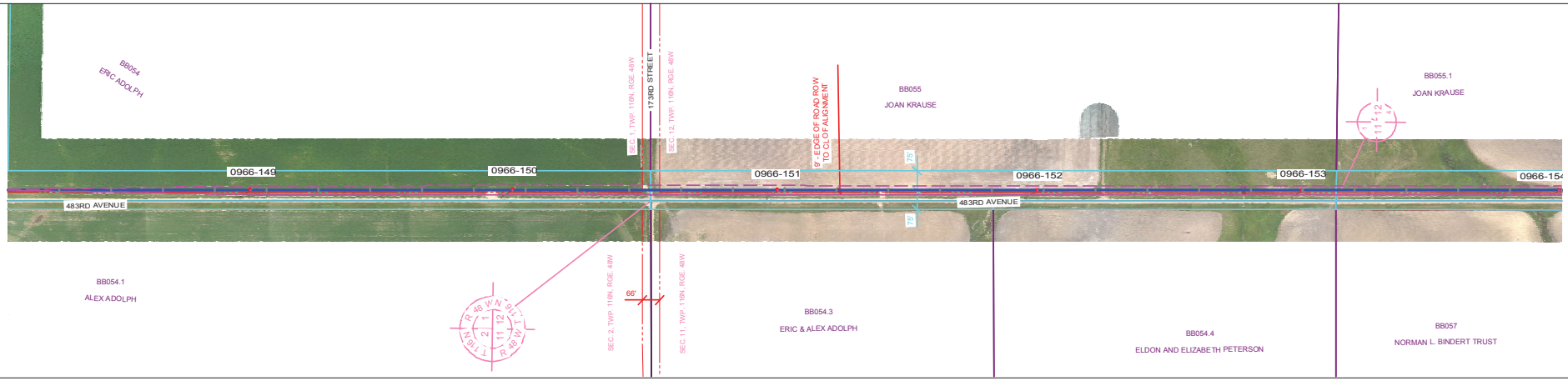
345KV

0966-144 TO 0966-148-DE

NH-263189- 55 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

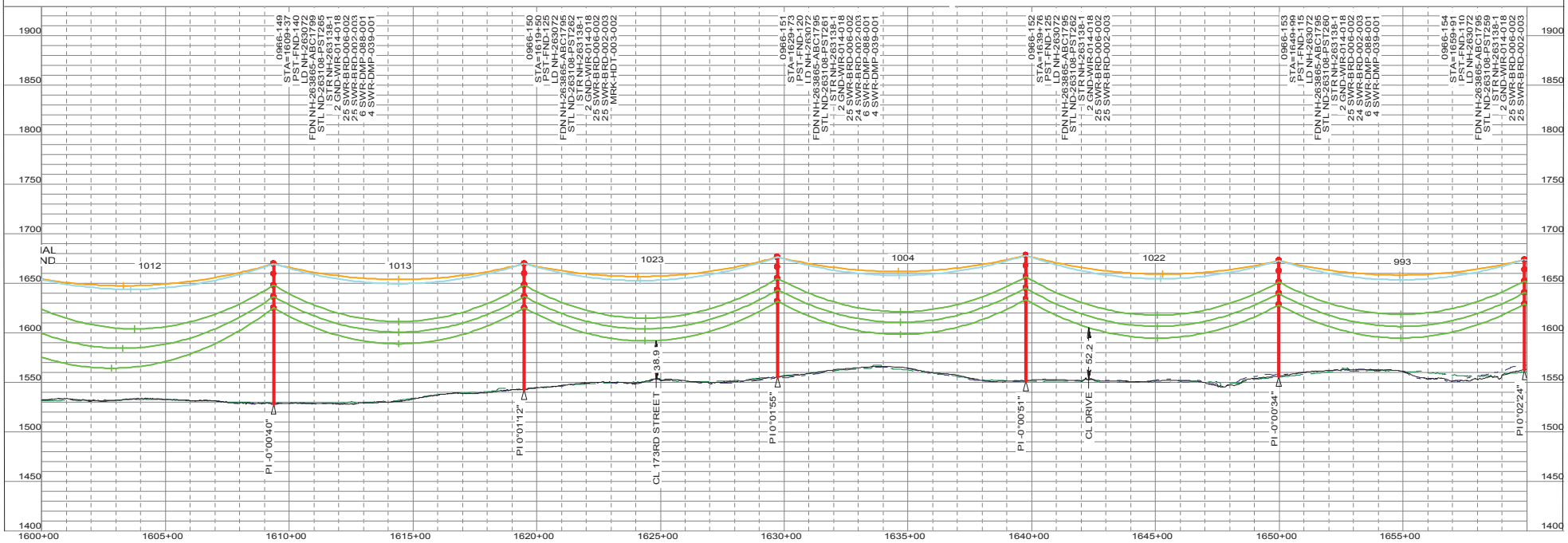


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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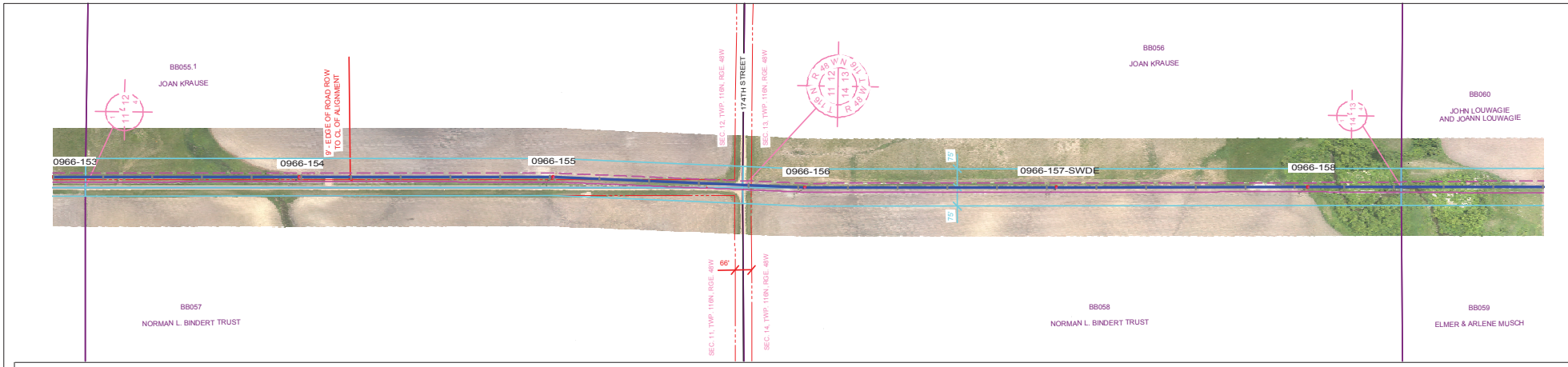
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-149 TO 0966-154
OF 110
NH-263189- 56
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



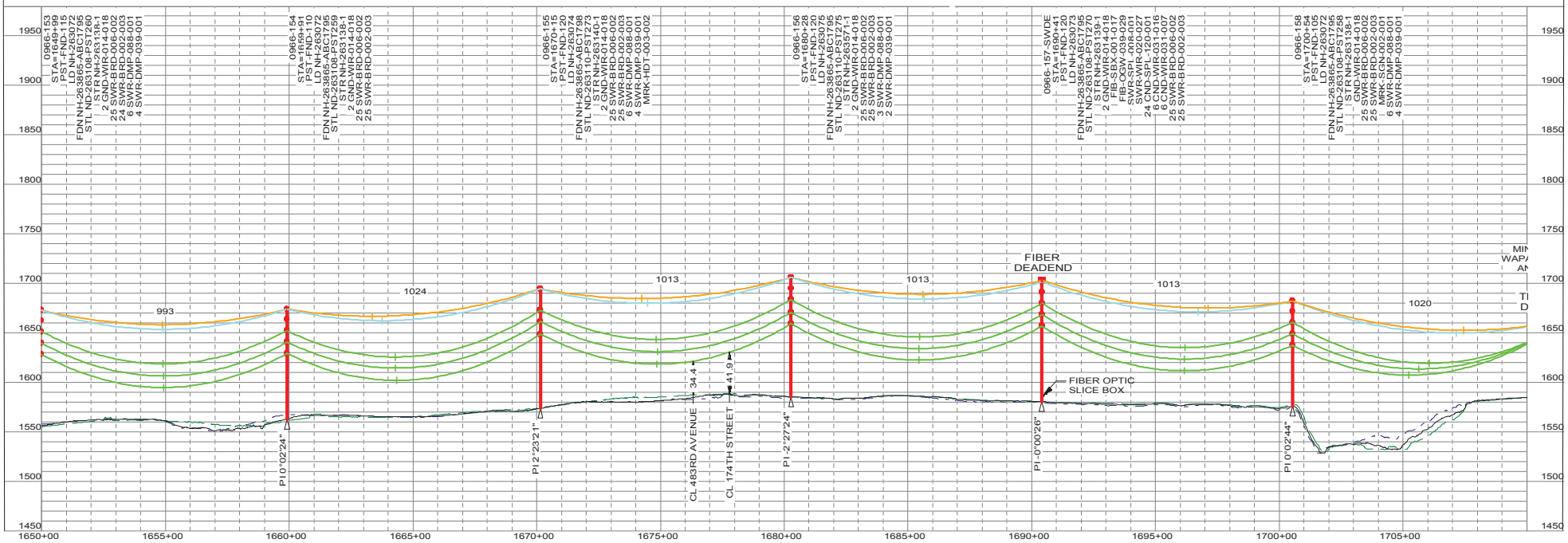
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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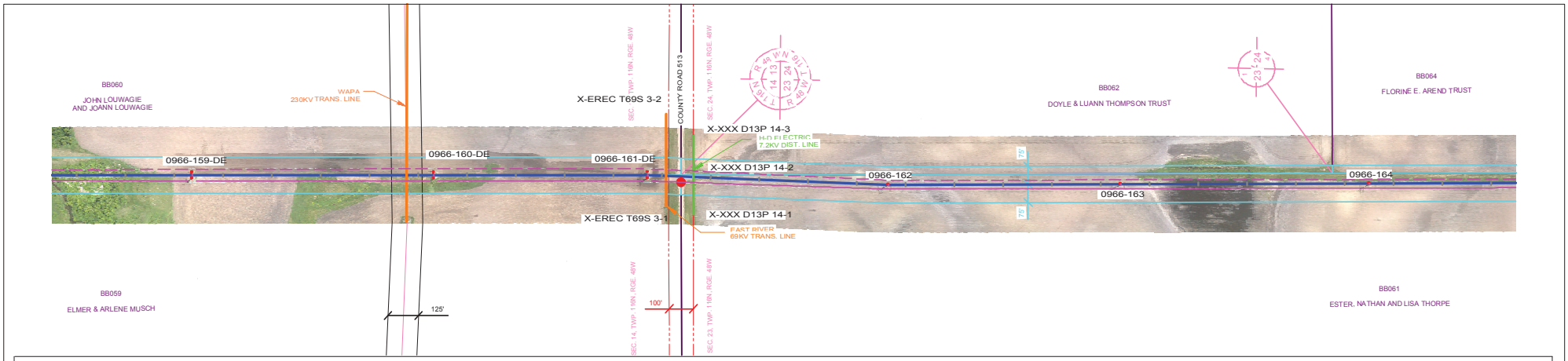
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-154 TO 0966-158
OF 110
NH-263189- 57
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

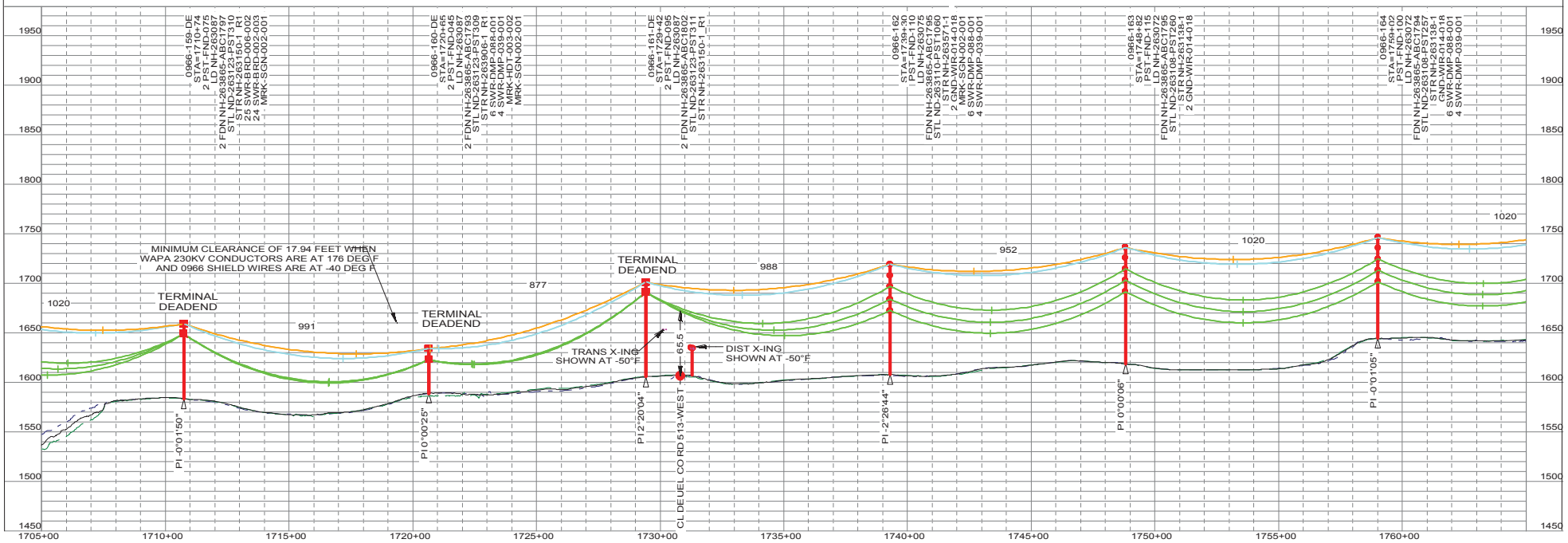


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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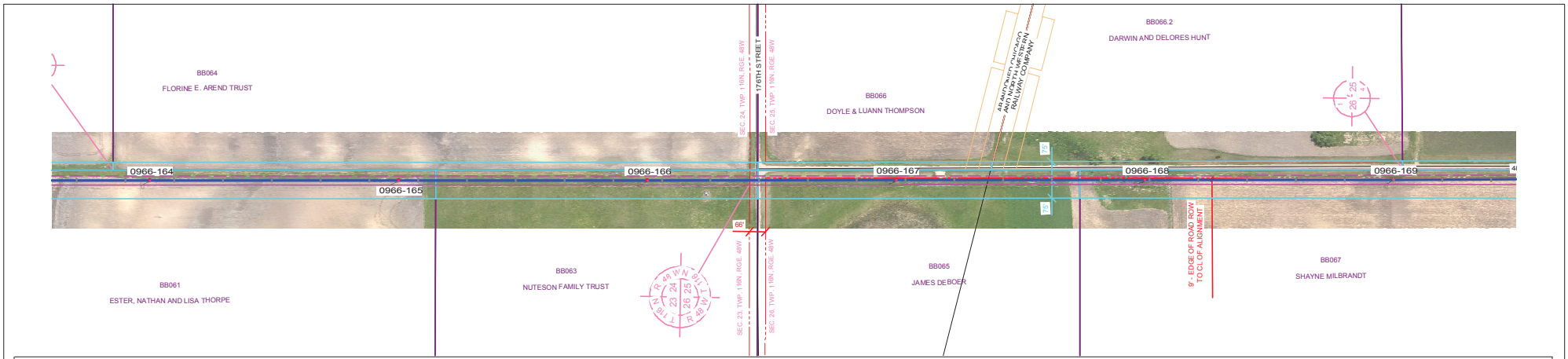
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-159-DE TO 0966-164
OF 110
NH-263189- 58
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

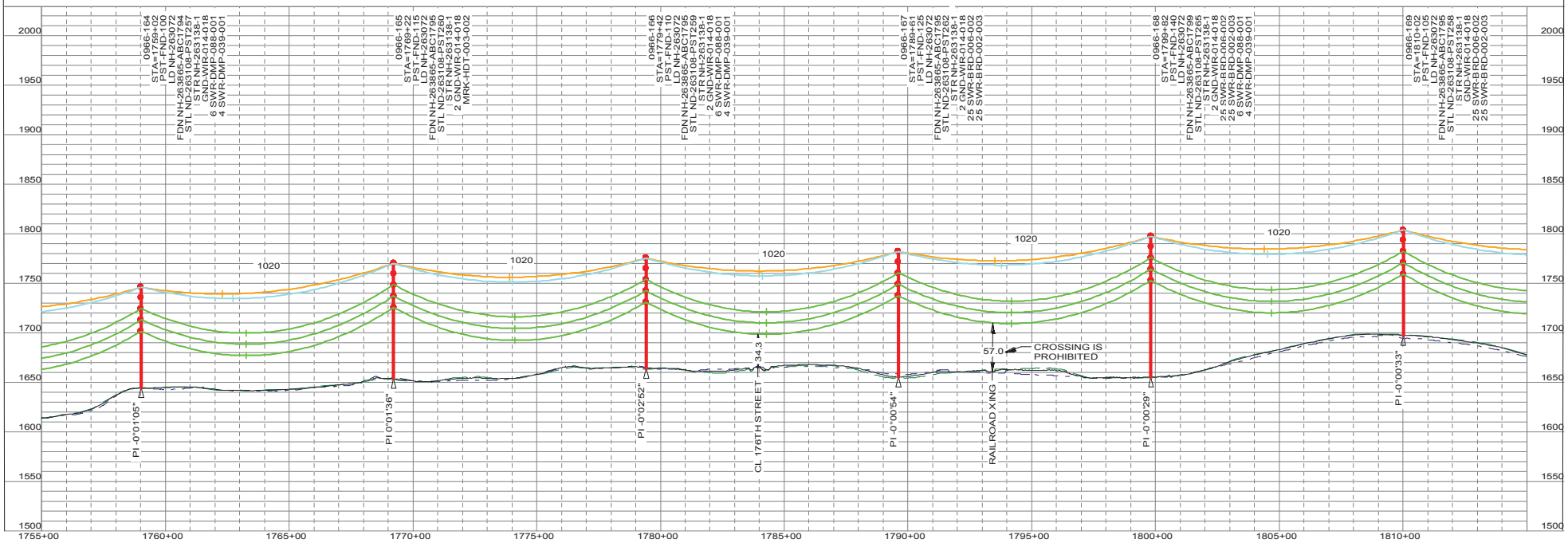


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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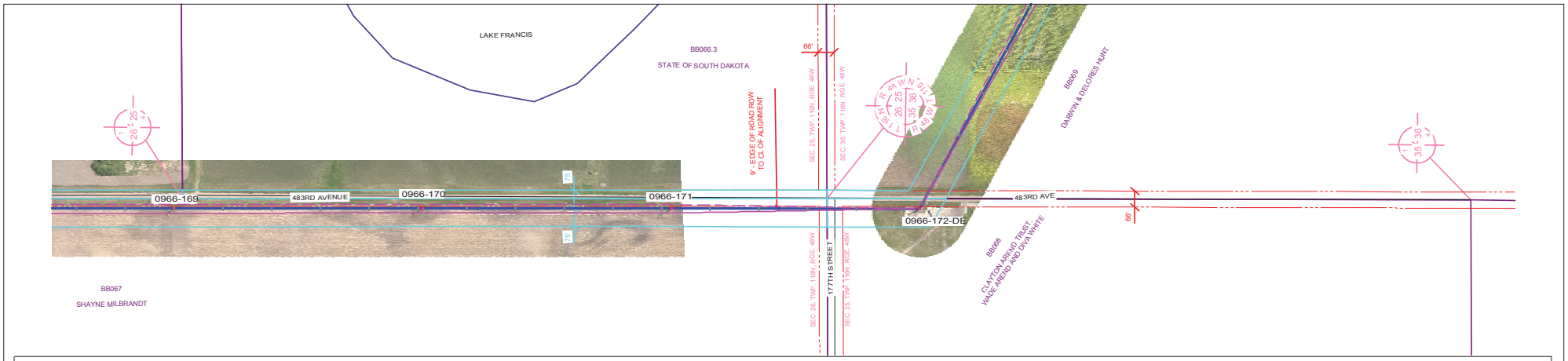
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-164 TO 0966-169
OF 110
NH-263189- 59
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



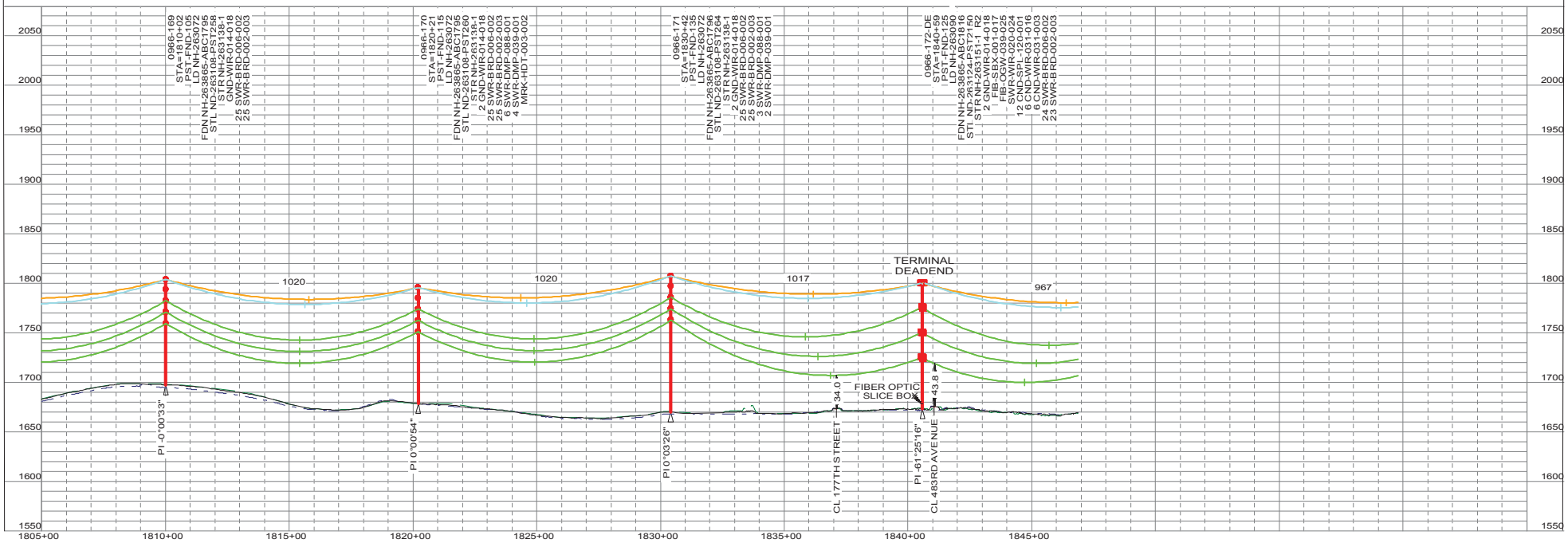
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

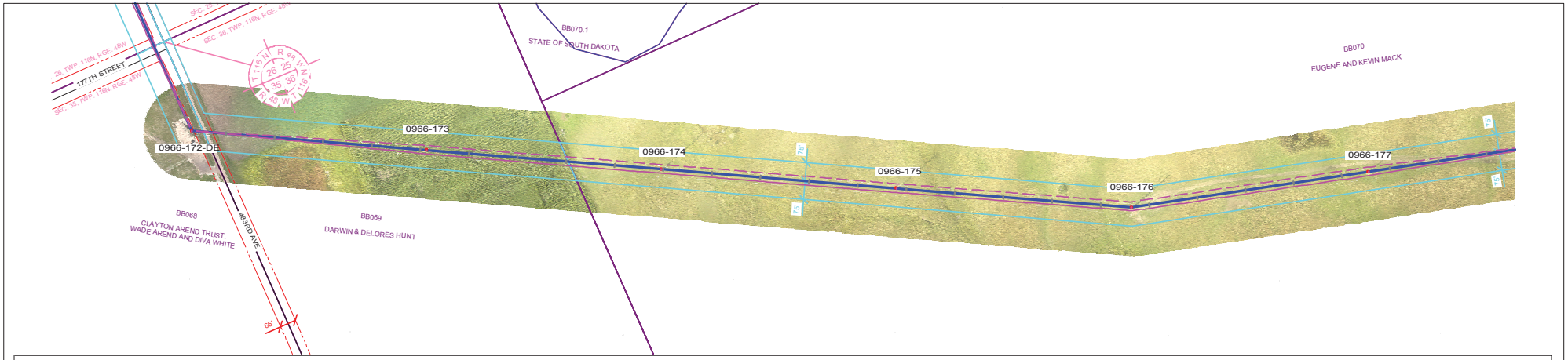
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-169 TO 0966-172-DE

NH-263189- 60 OF 110 REV 5

0966_BSS-BOK 11/10/2017

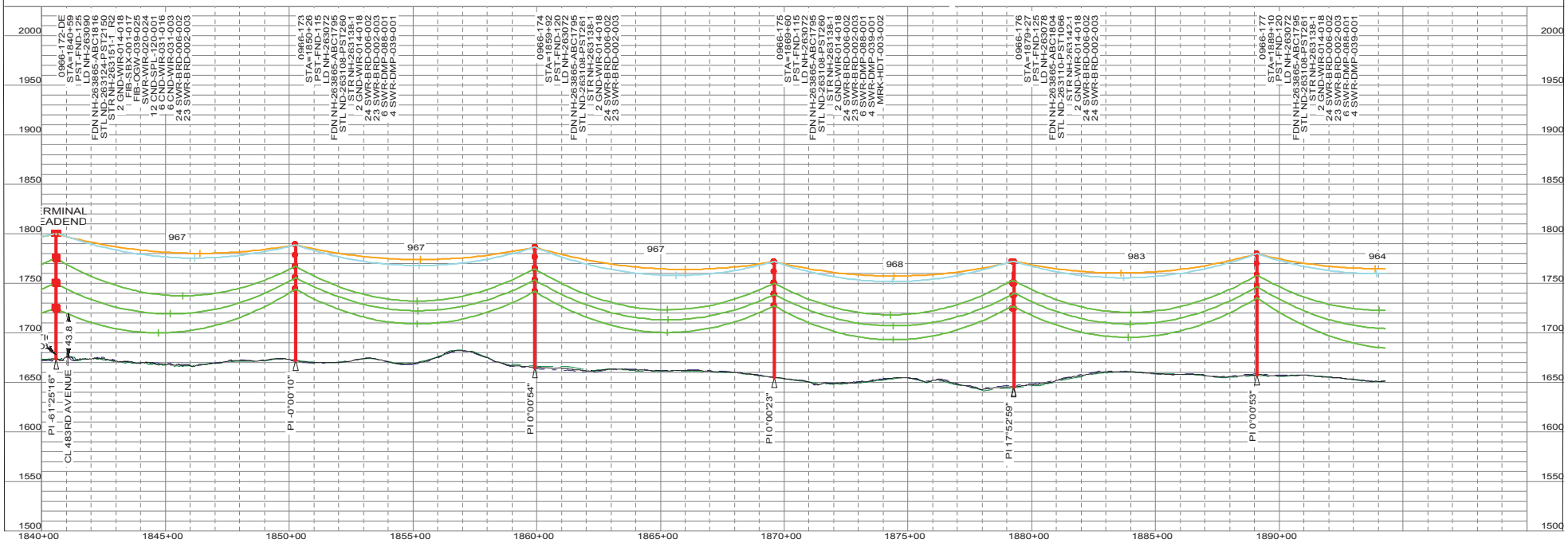


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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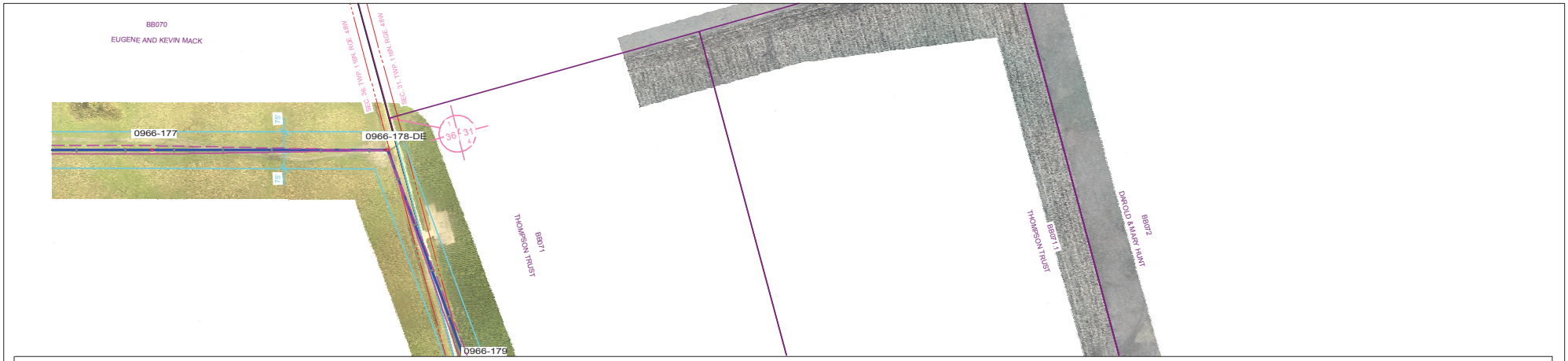
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-172-DE TO 0966-177
NH-263189- 61 OF 110
REV 5

0966_BSS-BOK 11/10/2017

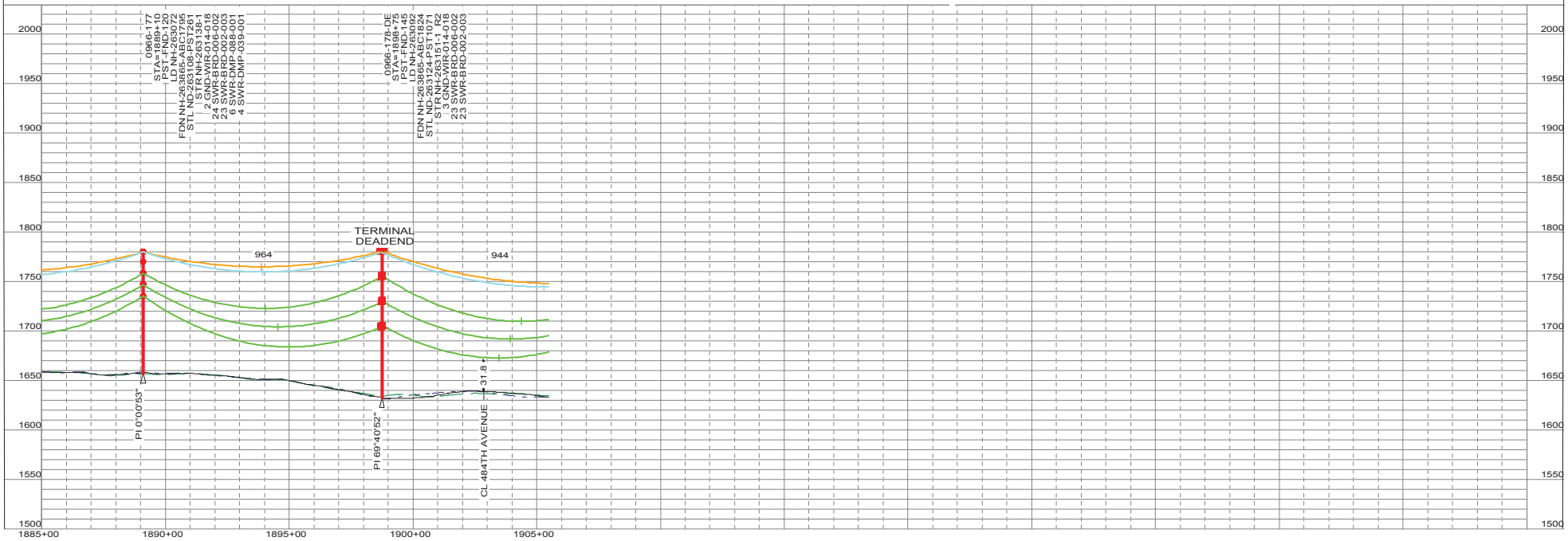


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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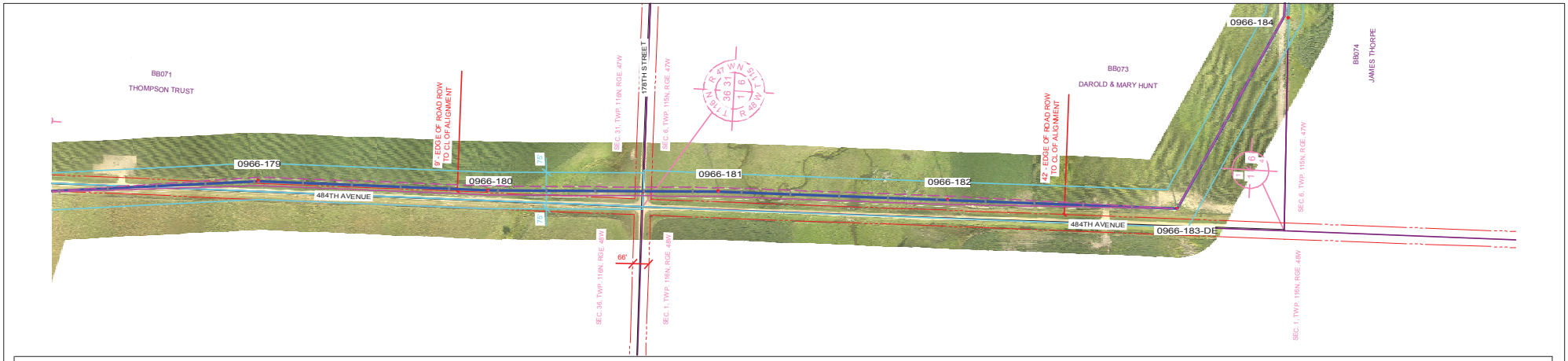
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-177 TO 0966-178-DE
OF 110
NH-263189- 62
REV 5

0966_BSS-BOK 11/10/2017

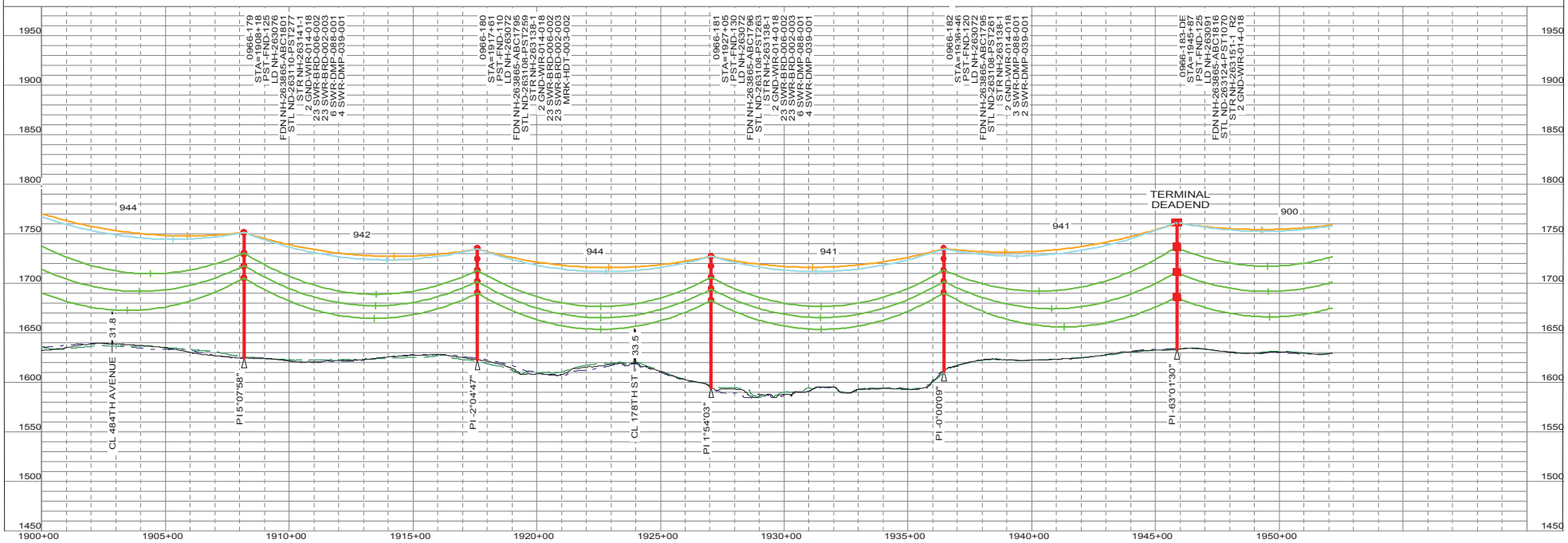


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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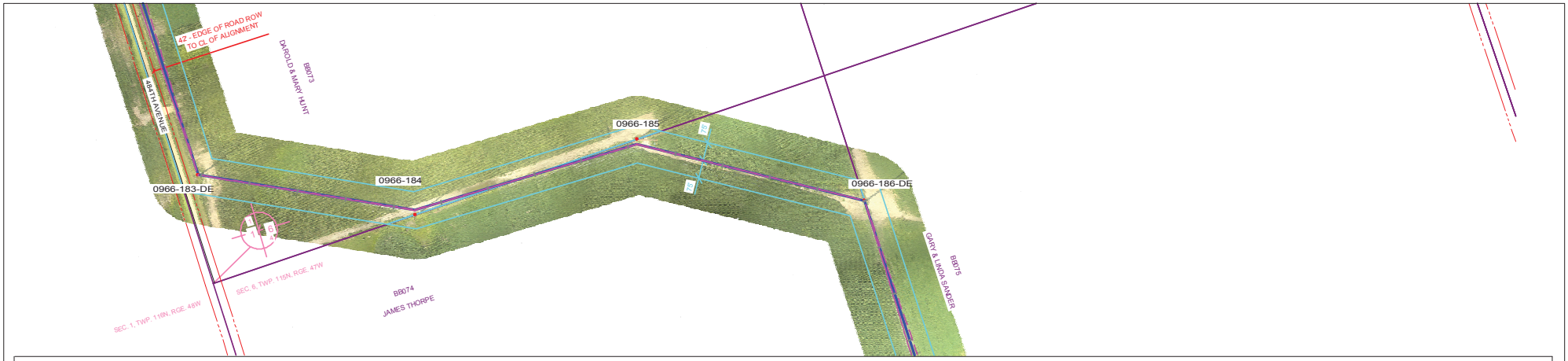
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-179 TO 0966-183-DE
NH-263189- 63 OF 110 REV 5

0966_BSS-BOK 11/10/2017

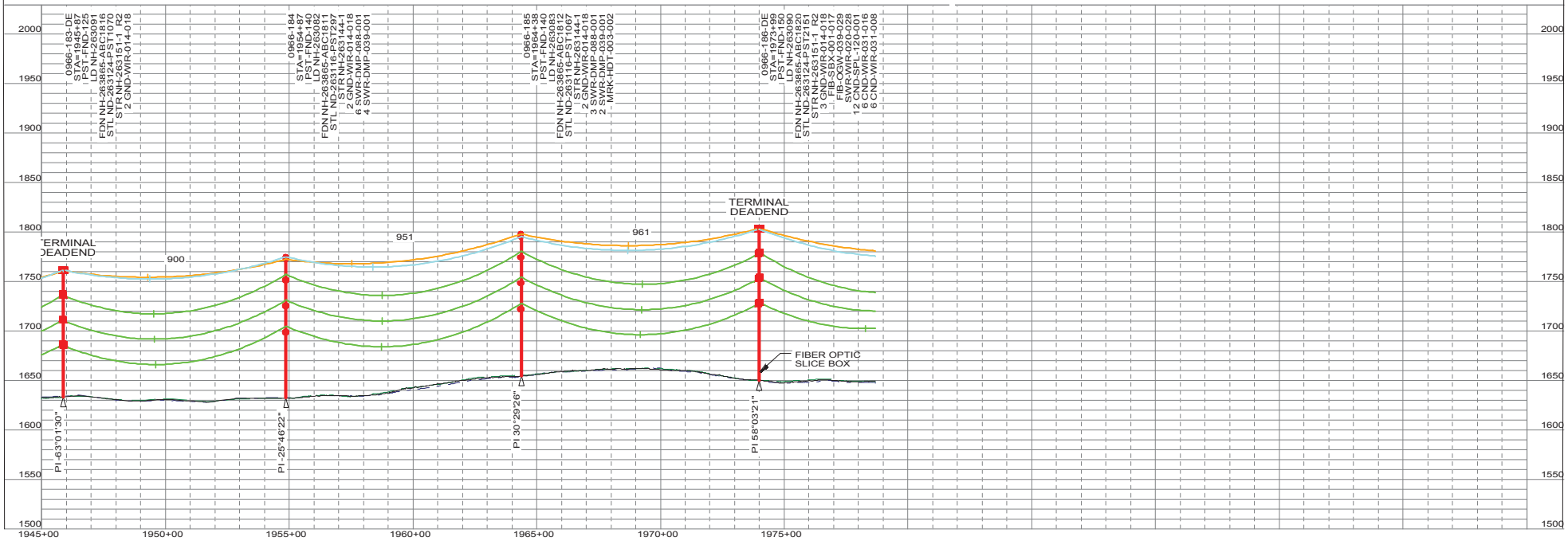


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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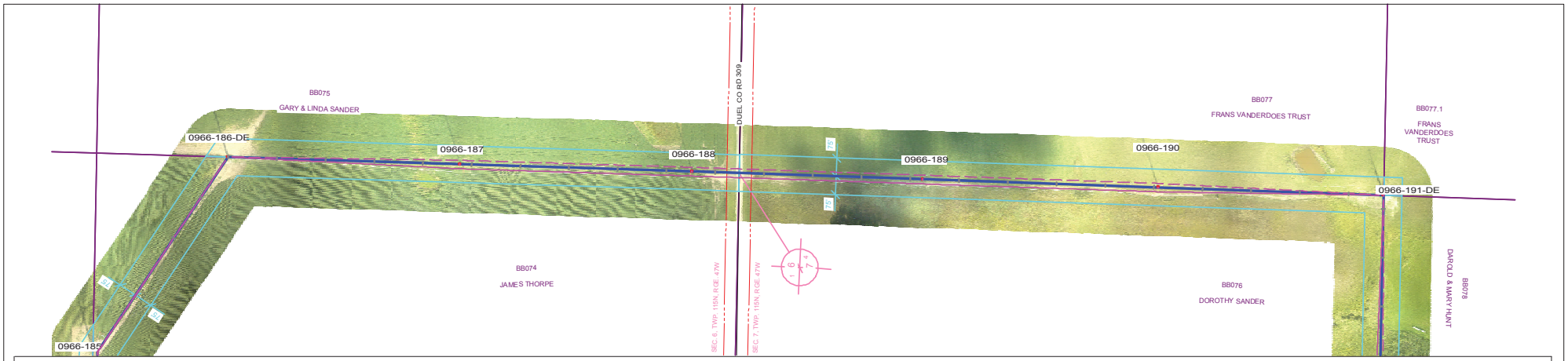
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-183-DE TO 0966-186-DE
OF 110
NH-263189- 64
REV 5

0966_BSS-BOK 11/10/2017



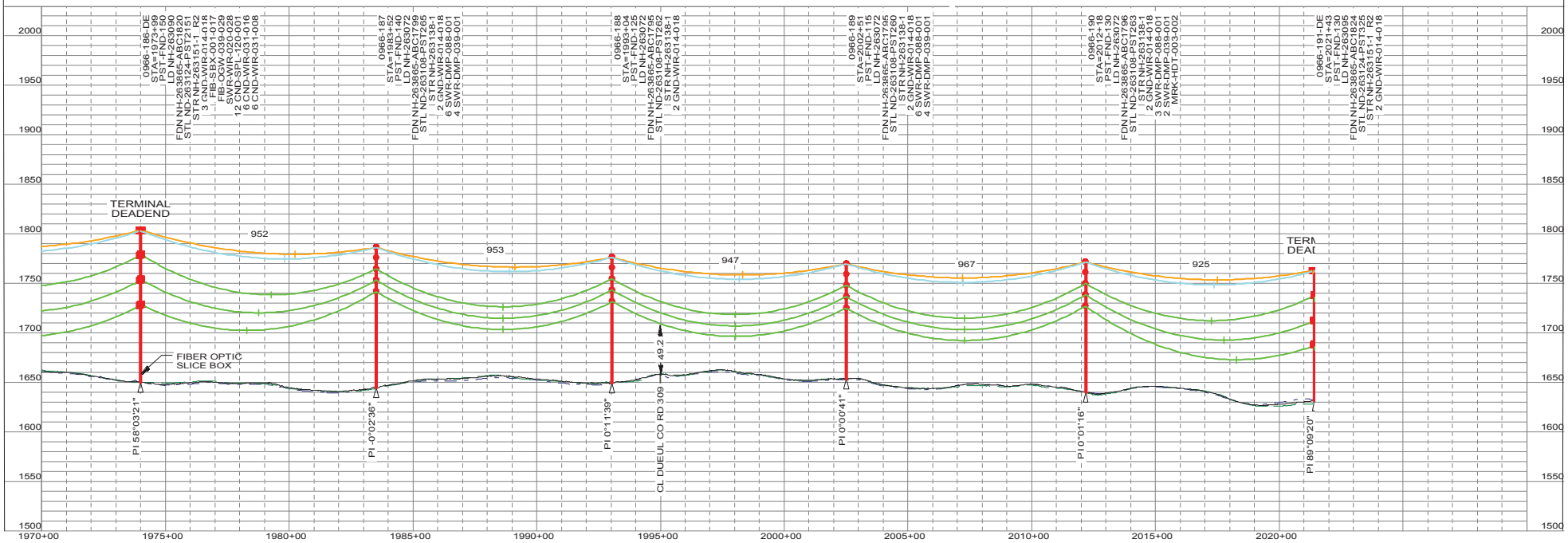
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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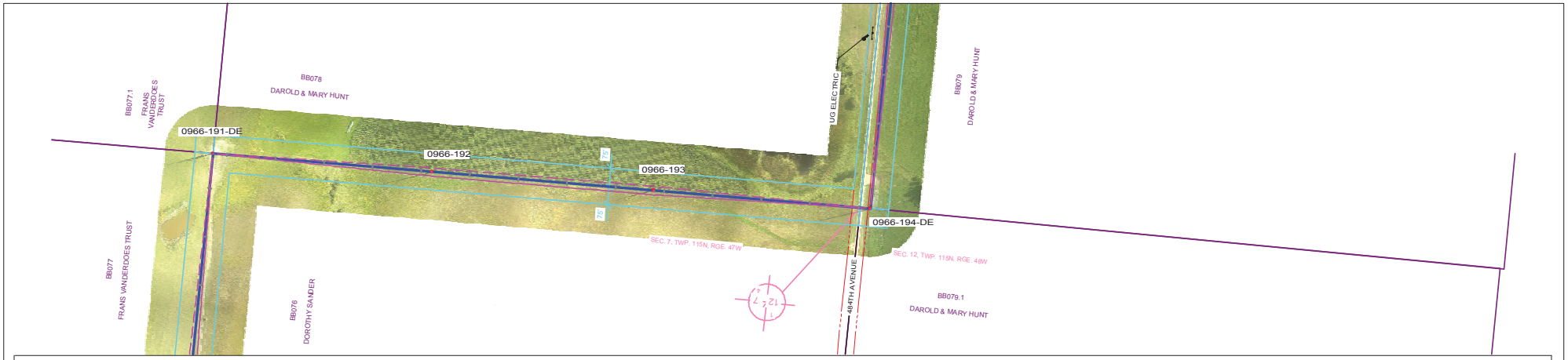
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-186-DE TO 0966-191-DE
OF 110
NH-263189- 65
REV 5

0966_BSS-BOK 11/10/2017



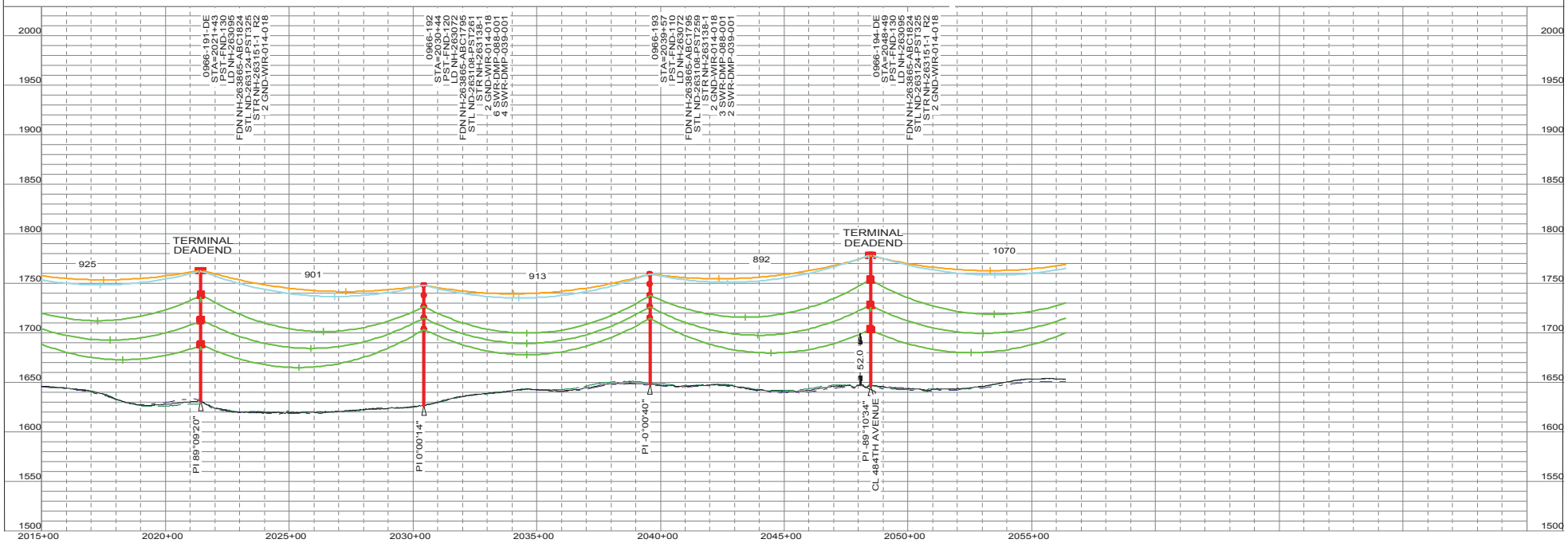
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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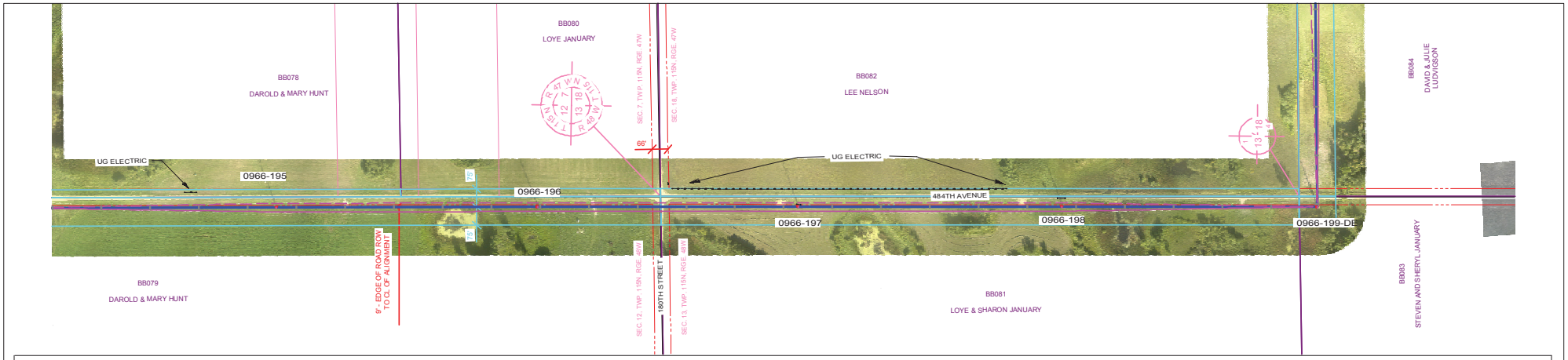
TRANSMISSION ENGINEERING DEPARTMENT
Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-191-DE TO 0966-194-DE
OF 110
NH-263189- 66
REV 5

0966_BSS-BOK 11/10/2017

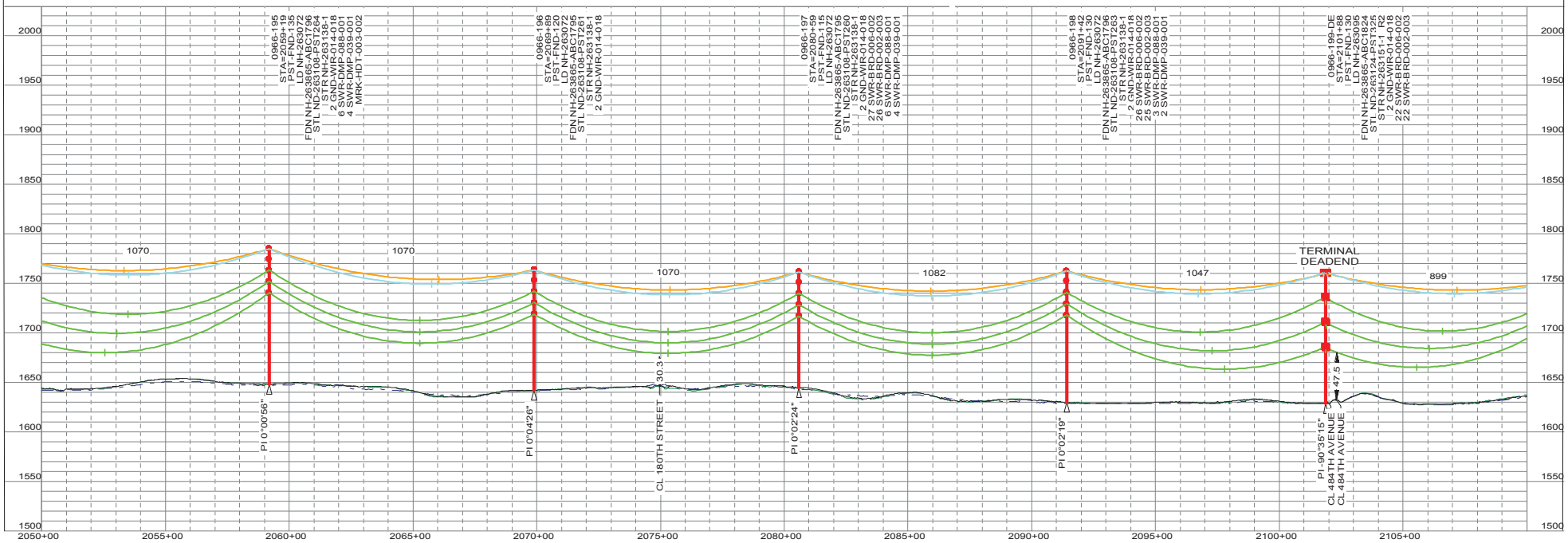


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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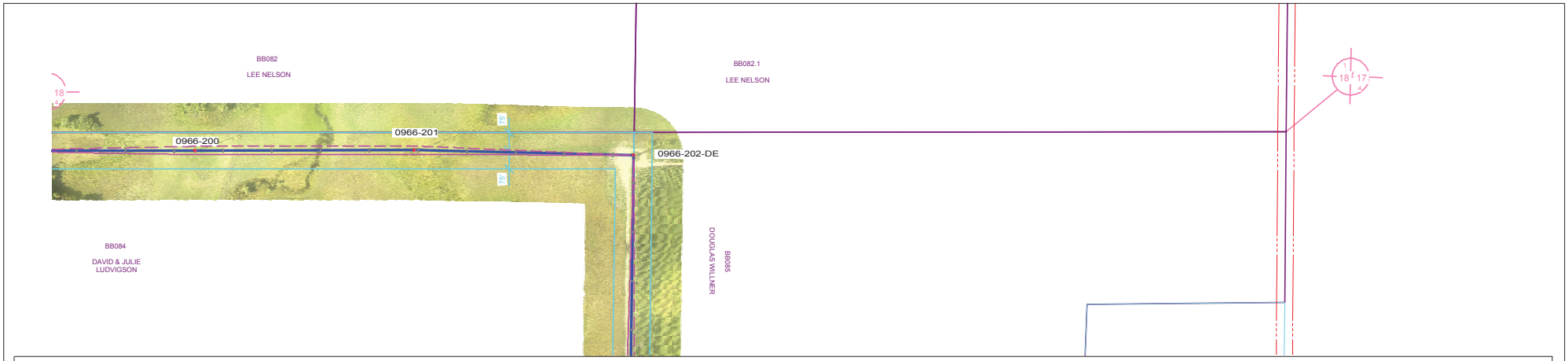
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-195 TO 0966-199-DE
NH-263189- 67 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



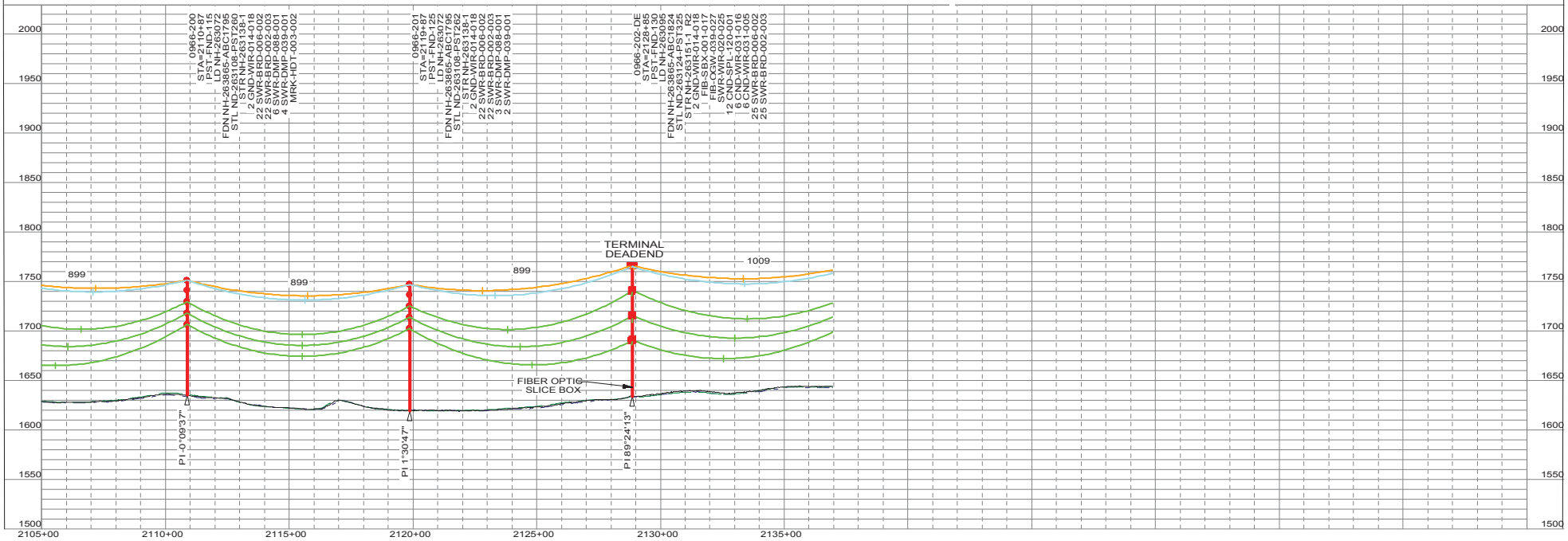
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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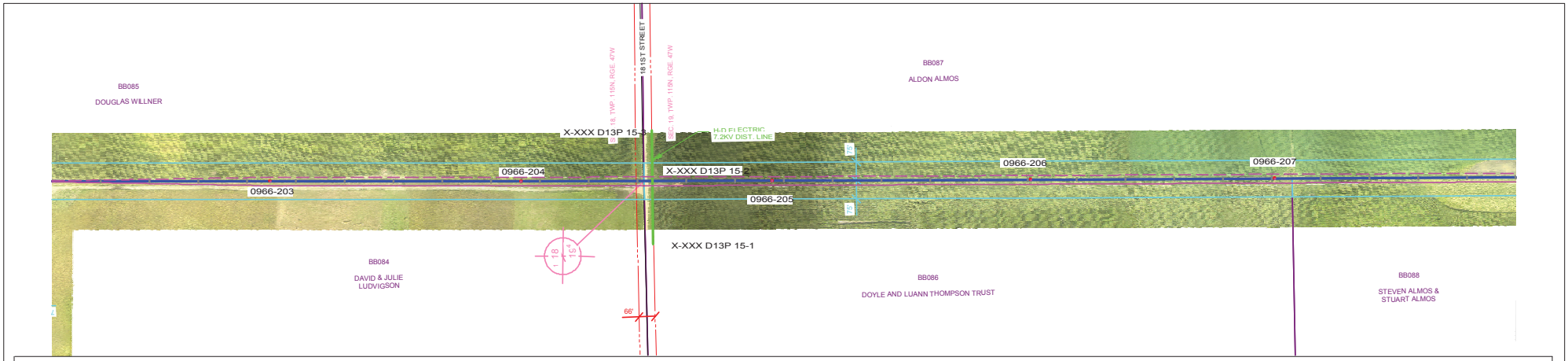
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-200 TO 0966-202-DE
OF 110
NH-263189- 68
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

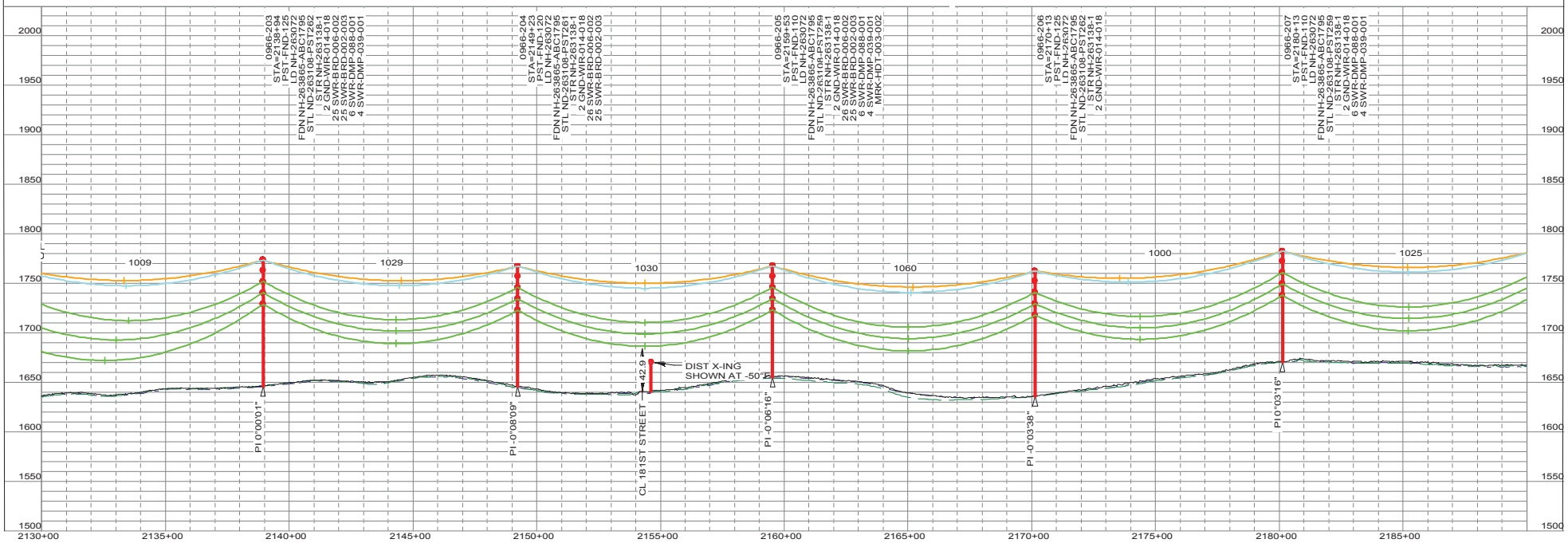


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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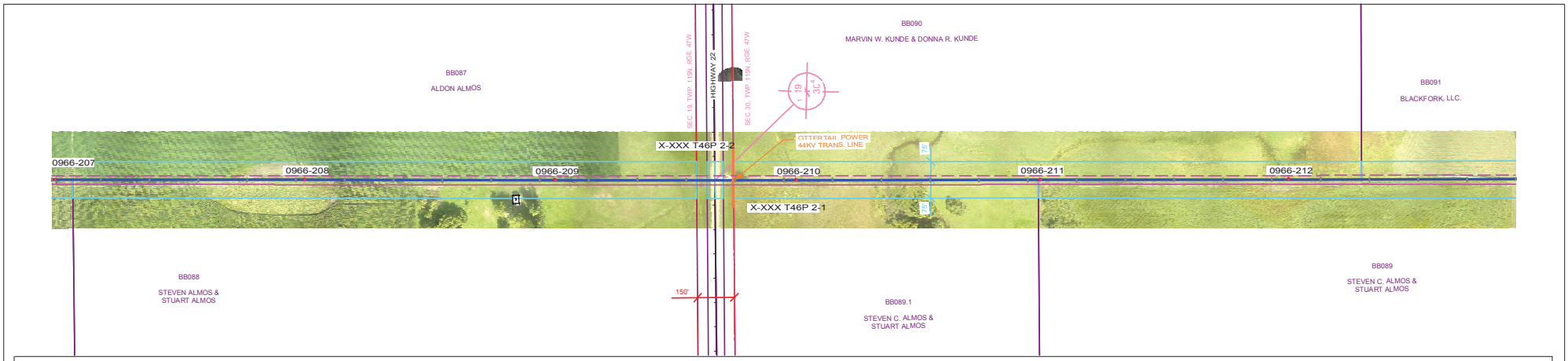
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-203 TO 0966-207
OF 110
NH-263189- 69
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



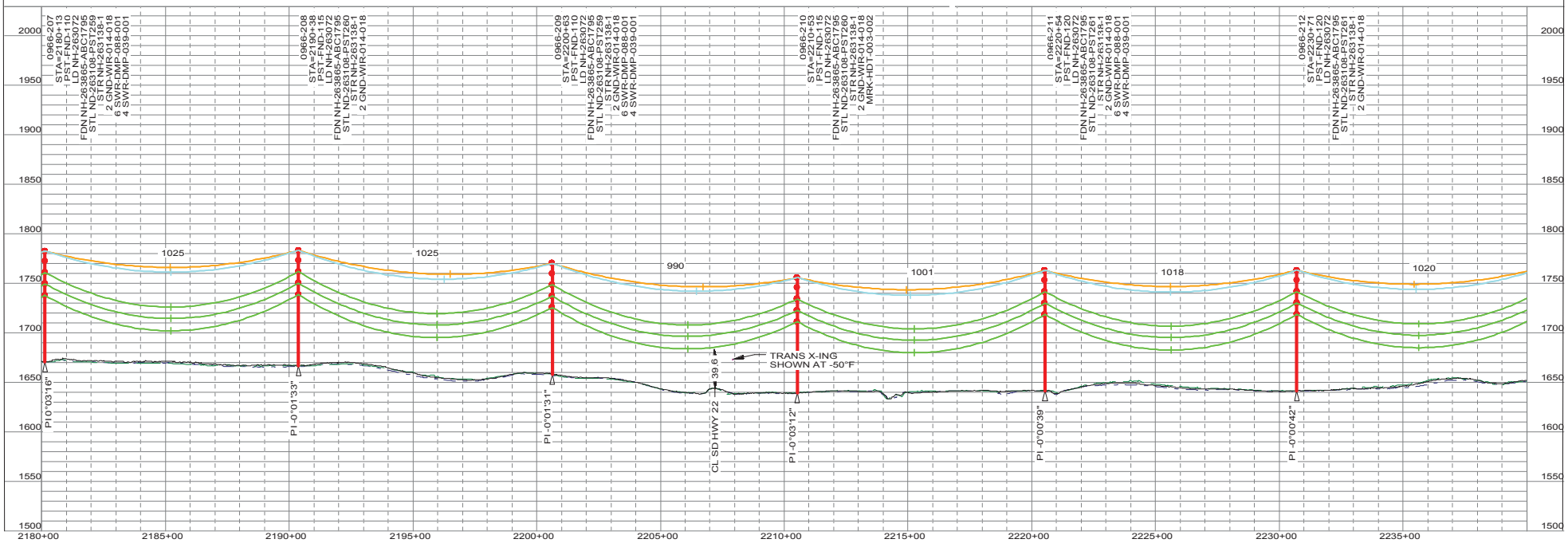
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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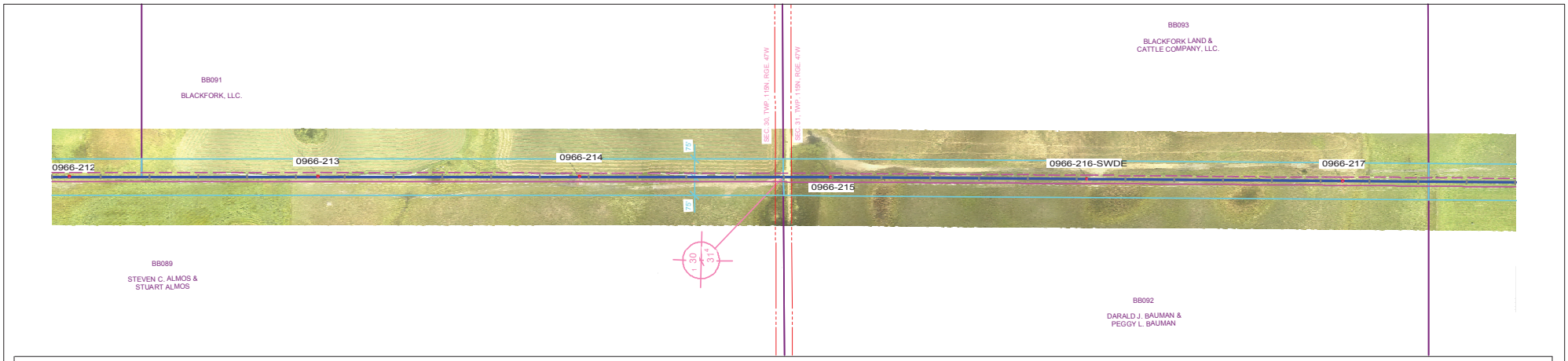
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-207 TO 0966-212
NH-263189- 70 OF 110
REV 5

0966_BSS-BOK 11/10/2017



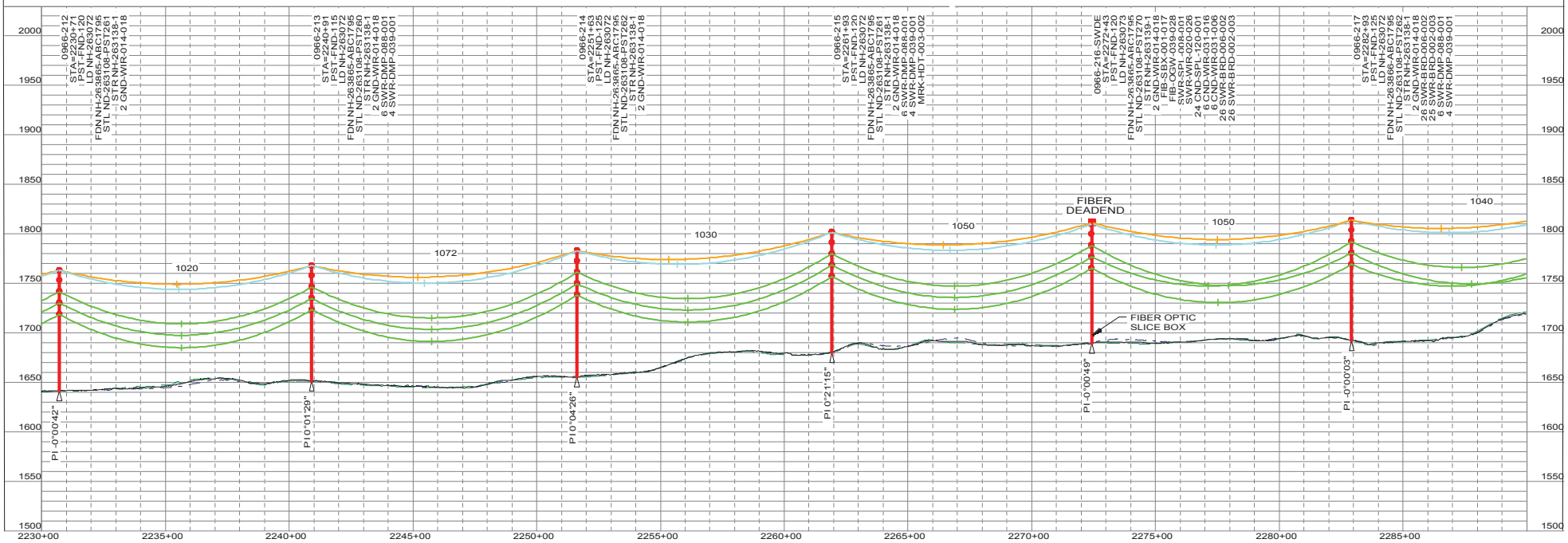
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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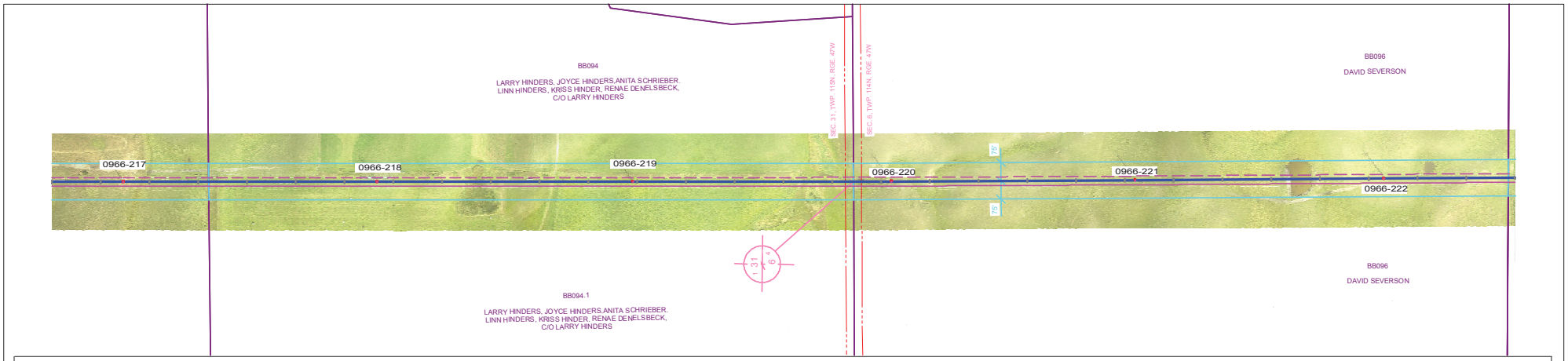
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-212 TO 0966-217
NH-263189- 71 OF 110
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



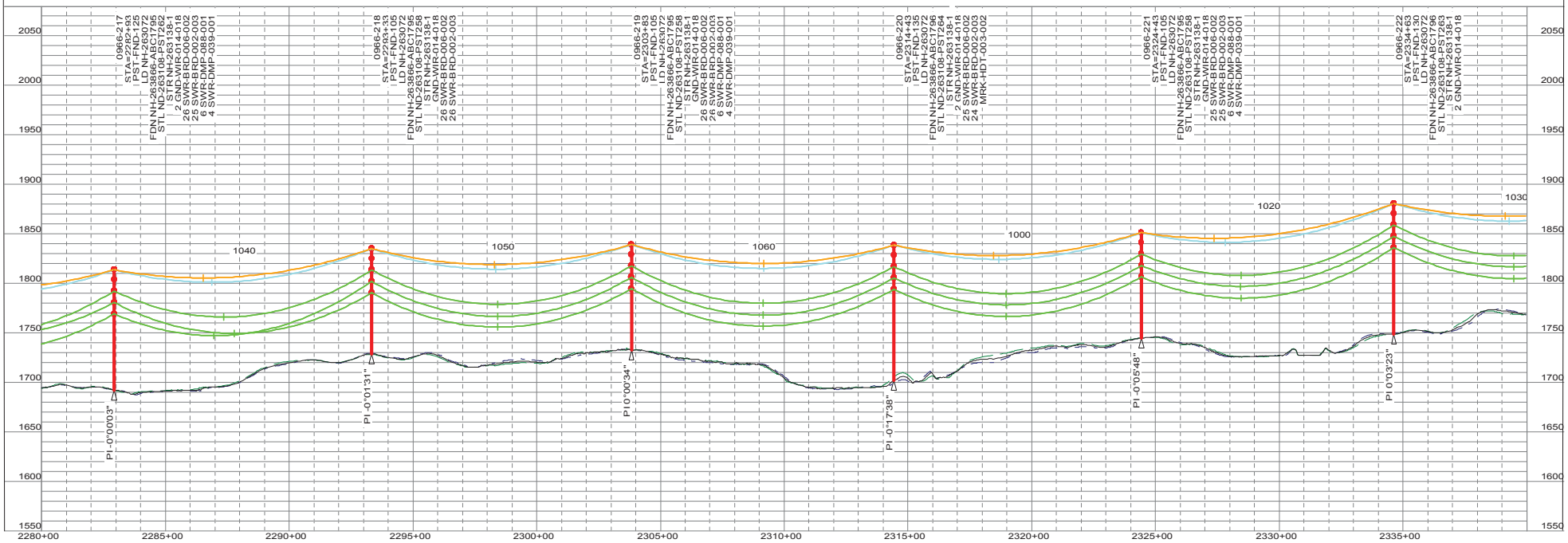
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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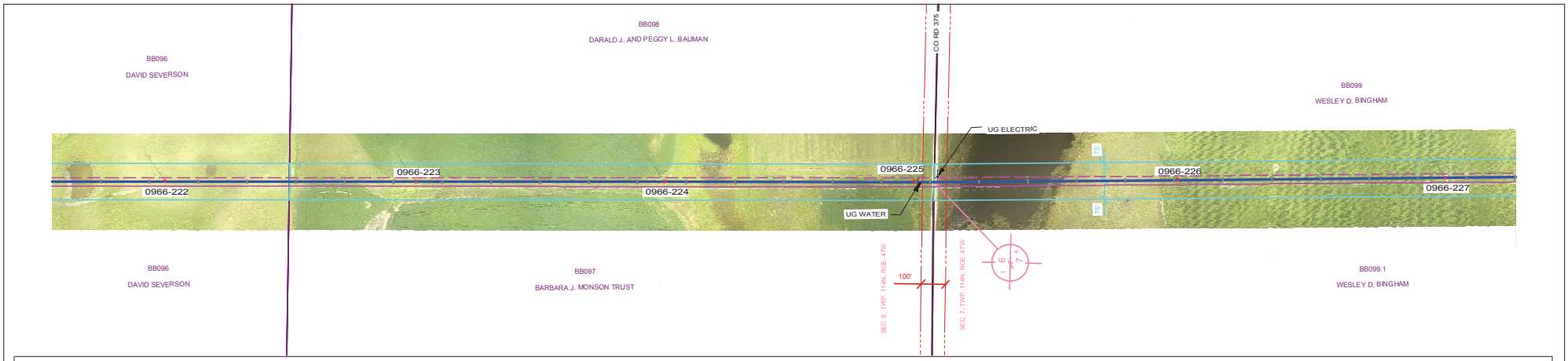
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-217 TO 0966-222
NH-263189- 72 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



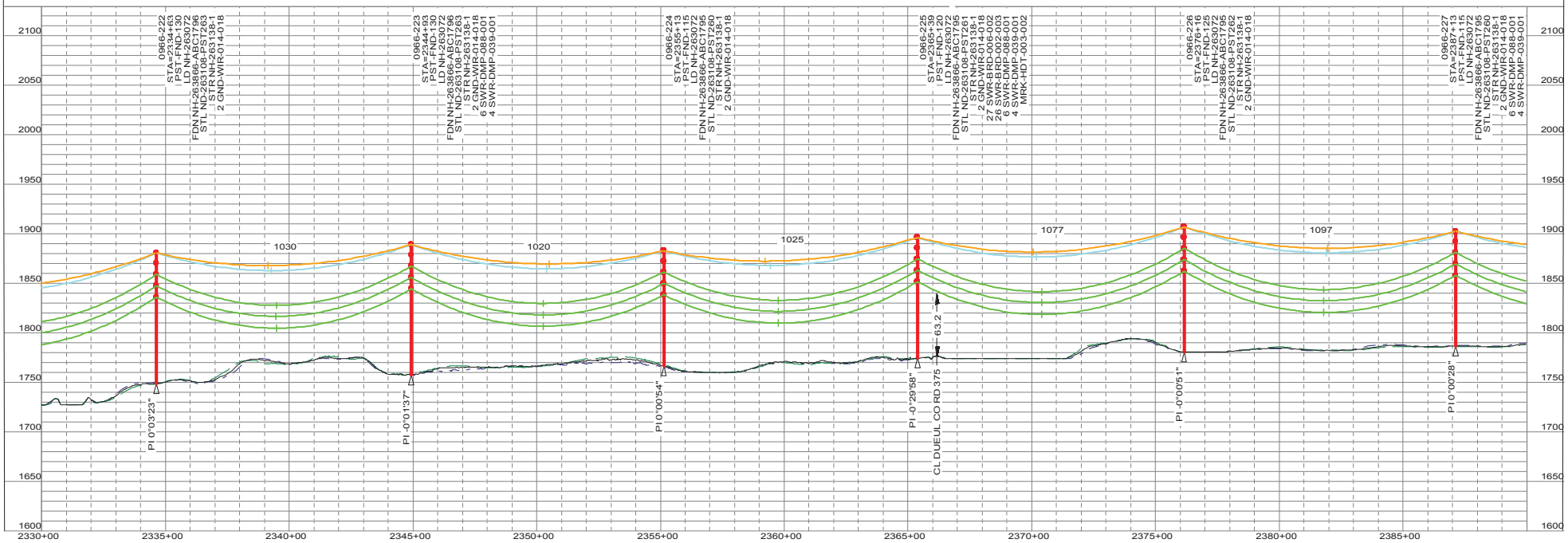
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy

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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

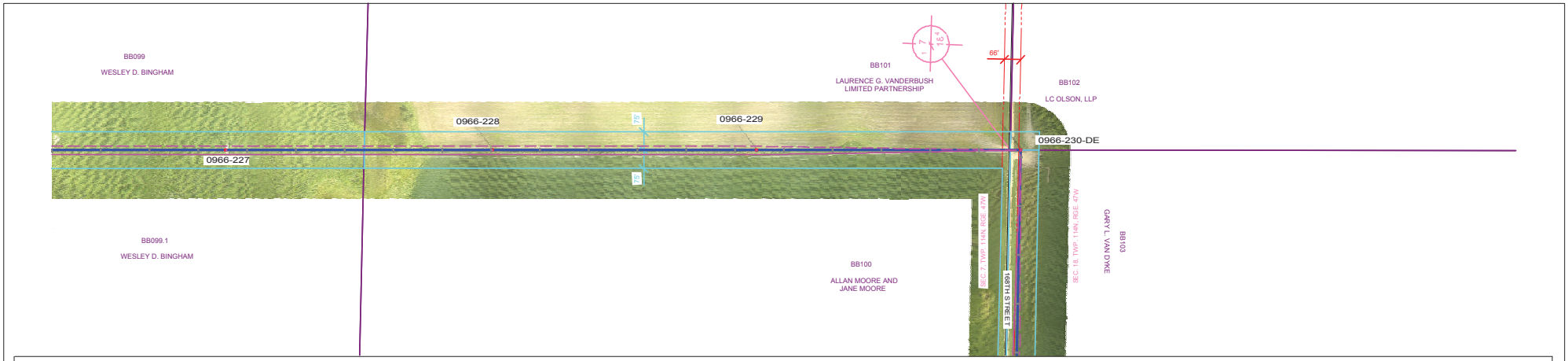
345KV

0966-222 TO 0966-227

NH-263189- 73 OF 110

REV 5

0966_BSS-BOK 11/10/2017

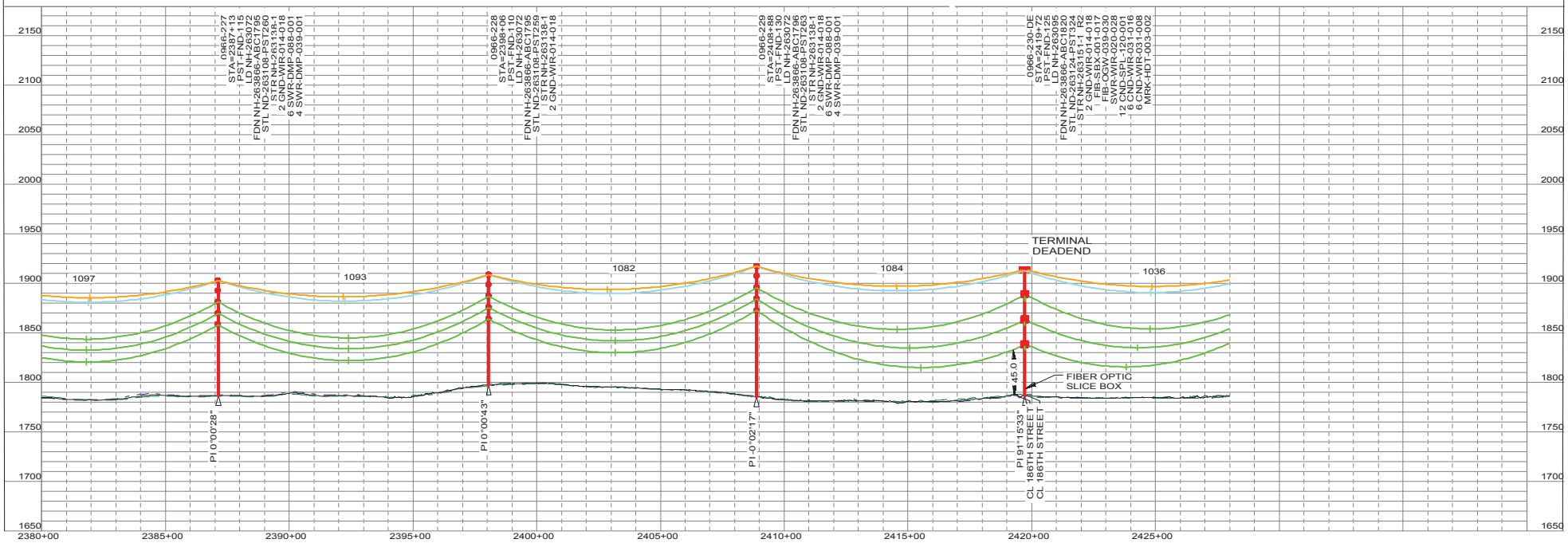


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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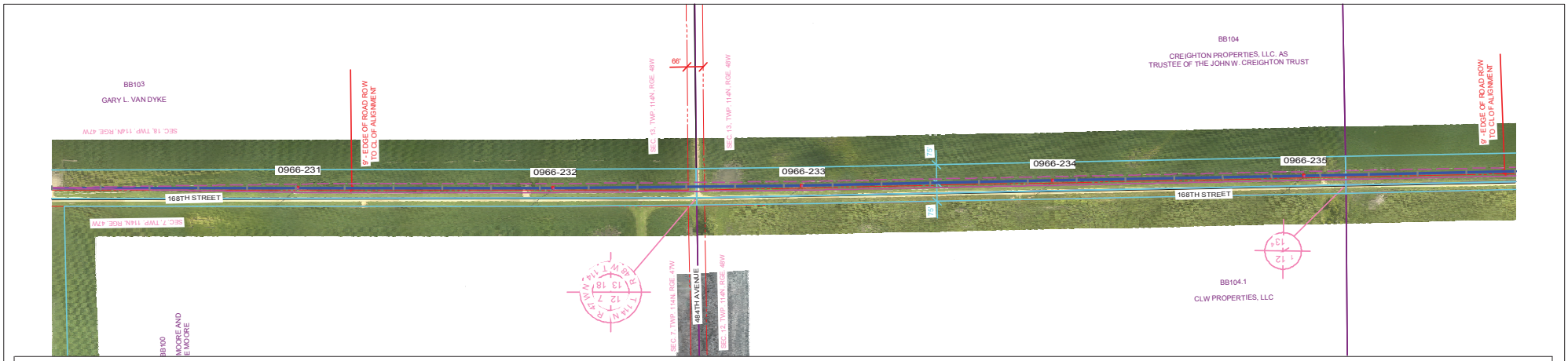
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-227 TO 0966-230-DE
NH-263189- 74 OF 110
REV 5

0966_BSS-BOK 11/10/2017



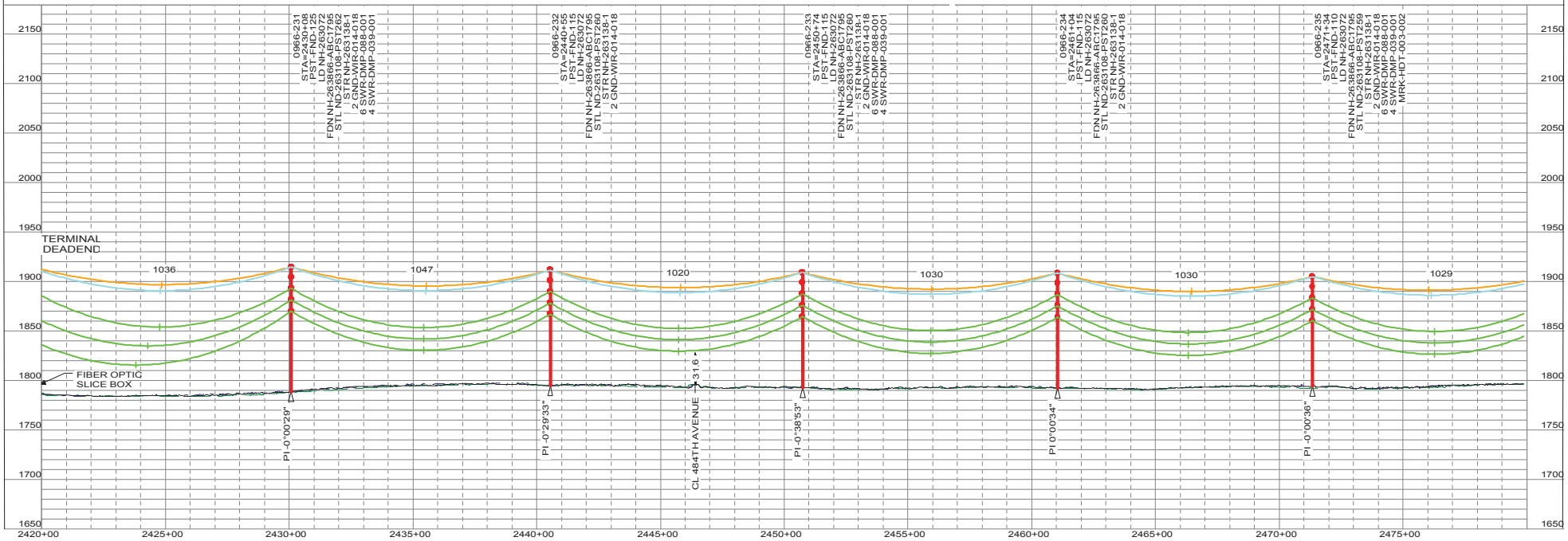
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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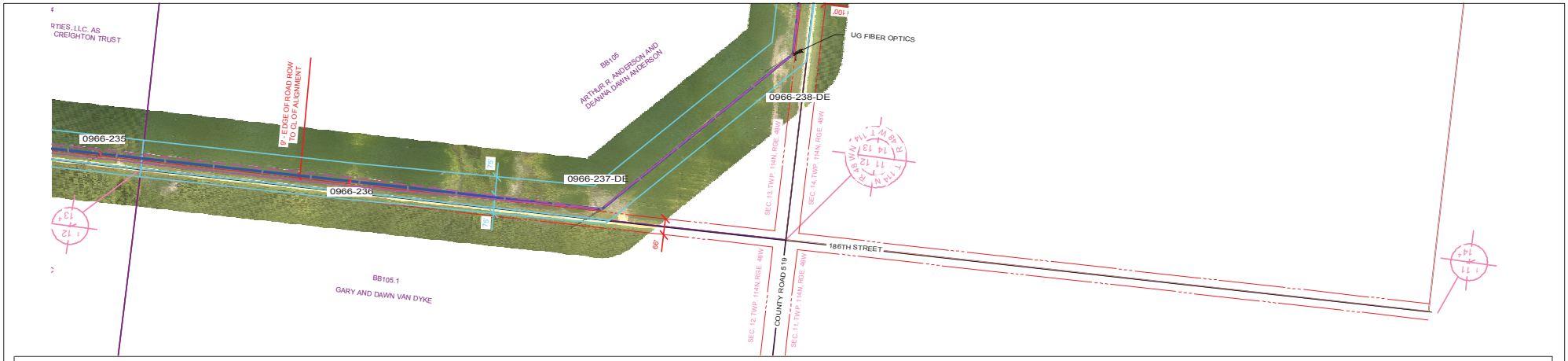
TRANSMISSION ENGINEERING DEPARTMENT
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-231 TO 0966-235
NH-263189- 75 OF 110
REV 5

0966_BSS-BOK 11/10/2017



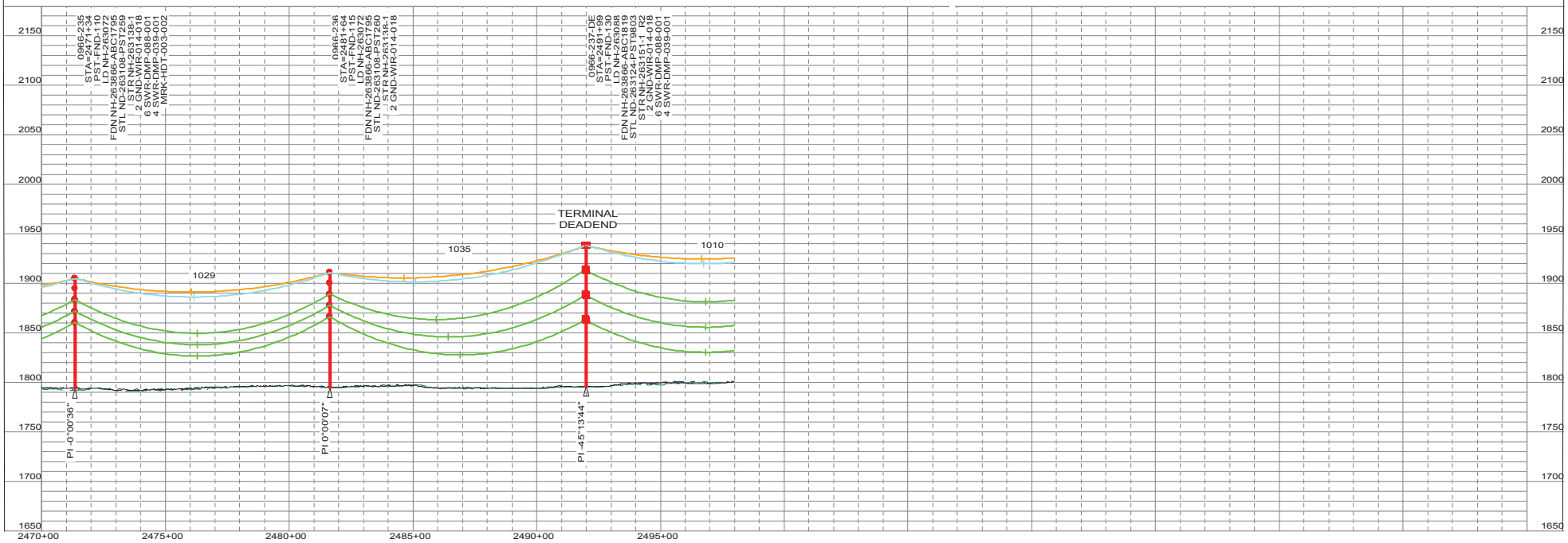
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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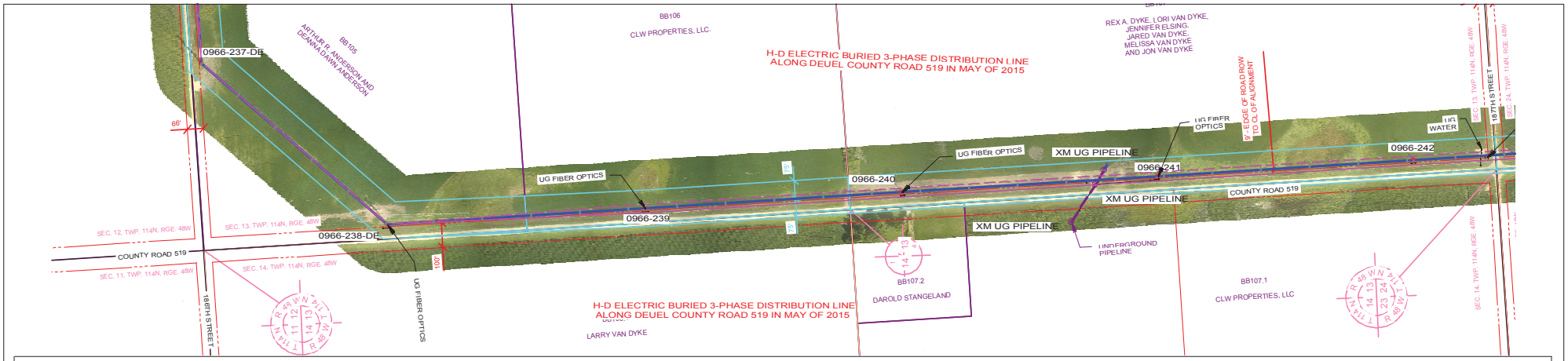
Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-235 TO 0966-237-DE
NH-263189- 76 OF 110
REV 5

0966_BSS-BOK 11/10/2017

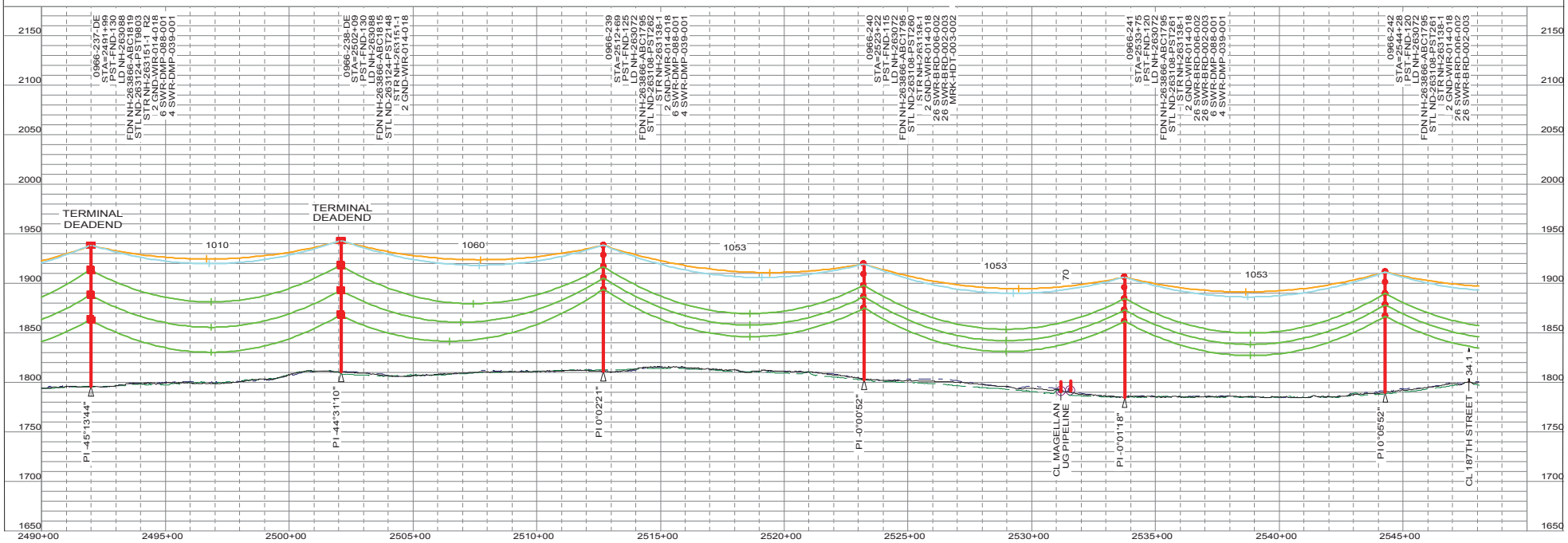


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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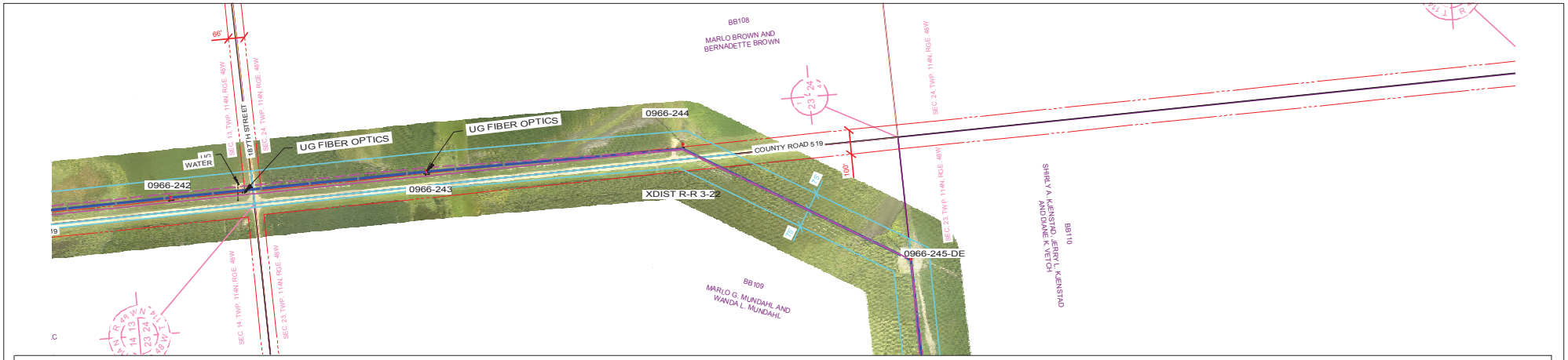
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-237-DE TO 0966-242
NH-263189- 77 OF 110
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



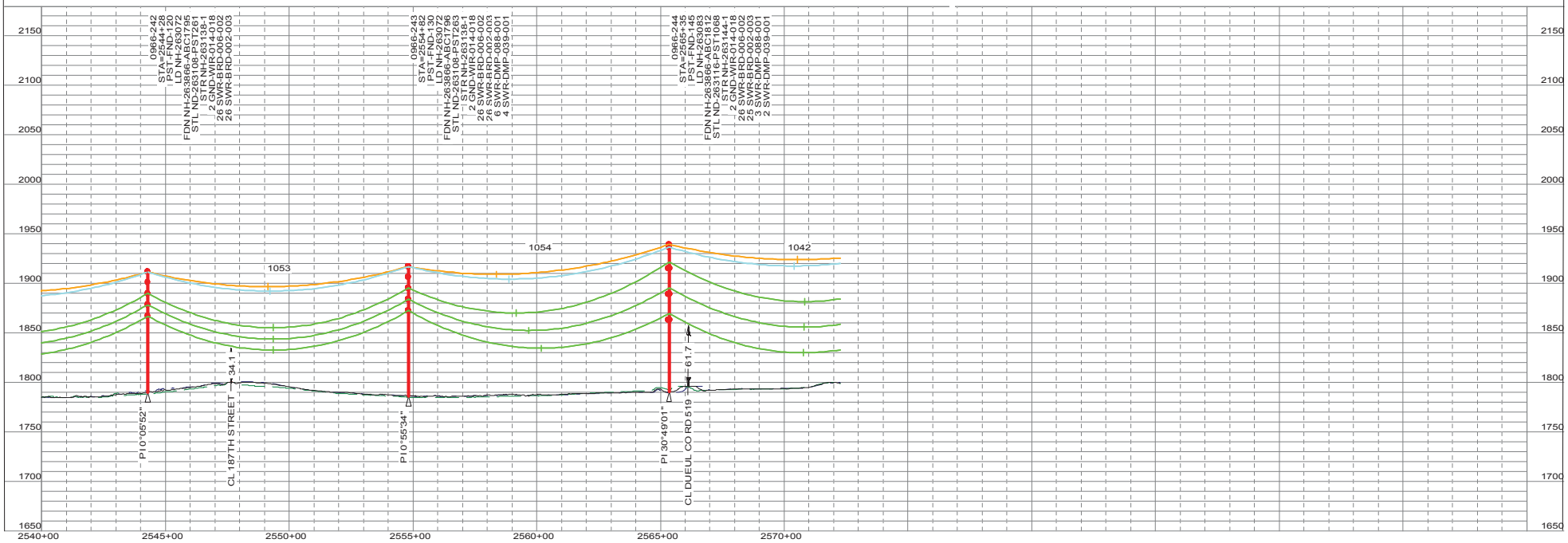
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

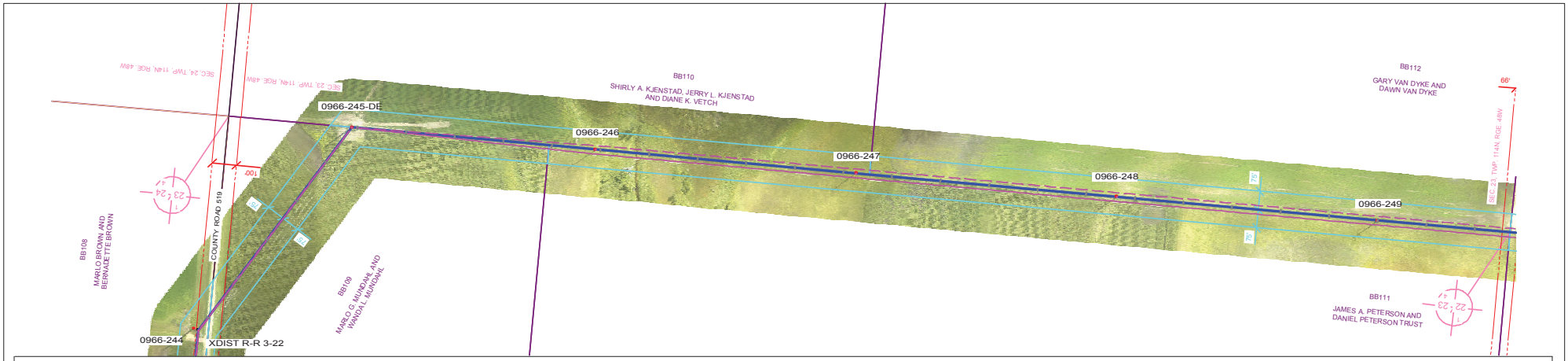
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-242 TO 0966-244

NH-263189- 78 OF 110 REV 5

0966_BSS-BOK 11/10/2017



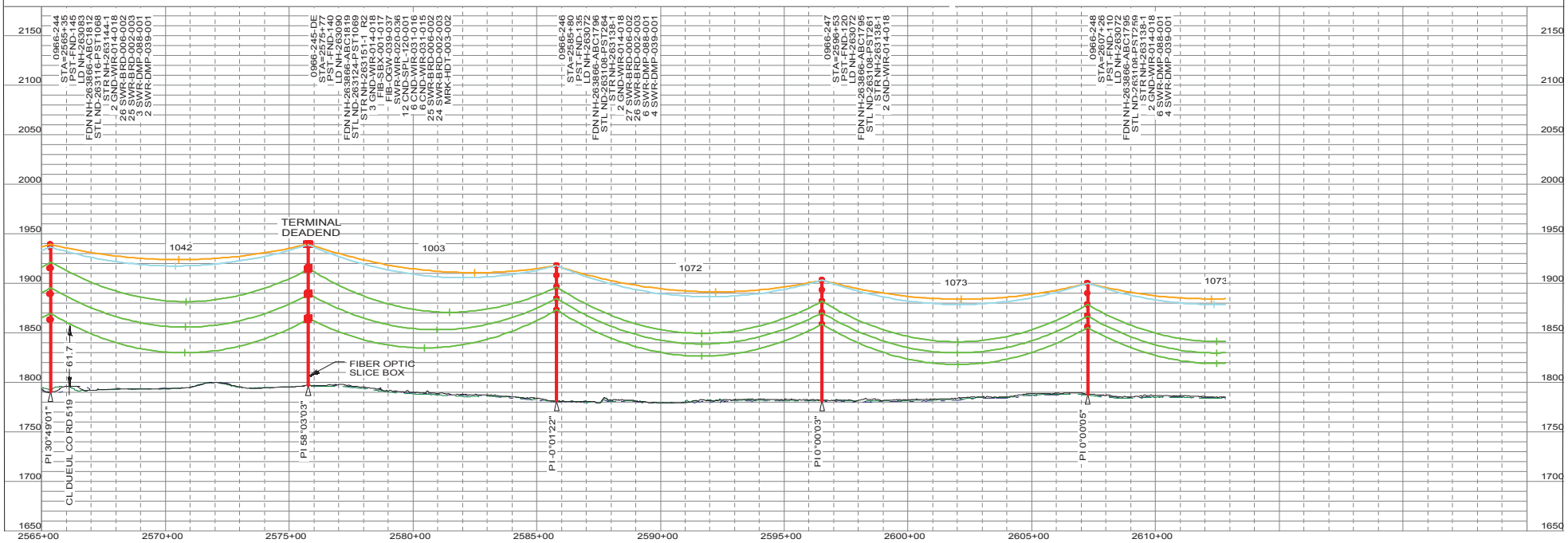
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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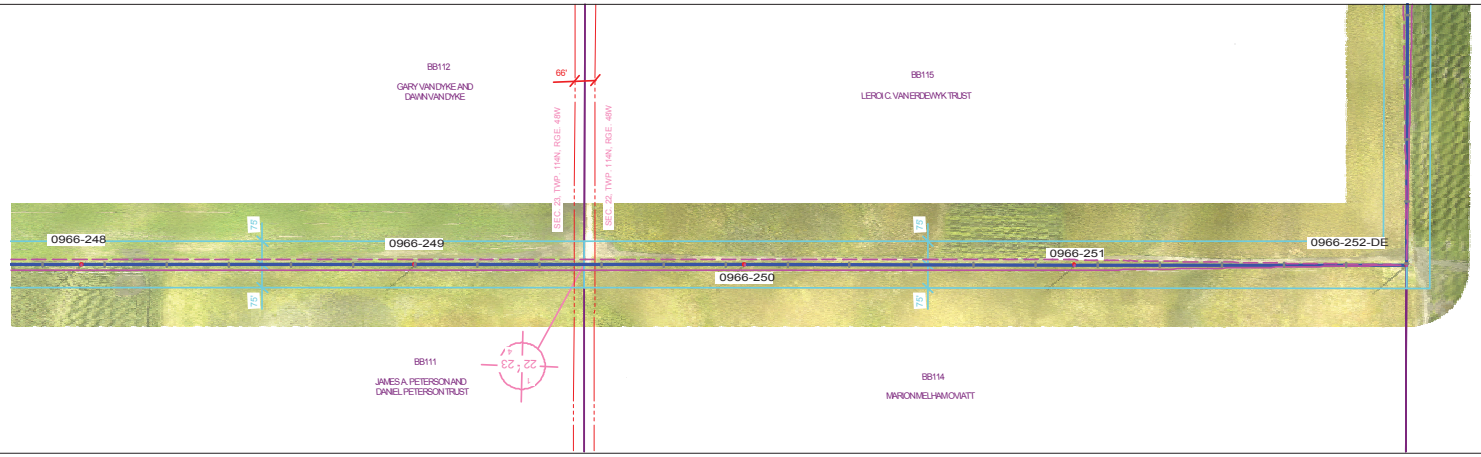
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-244 TO 0966-248
NH-263189- 79 OF 110
REV 5

0966_BSS-BOK 11/10/2017



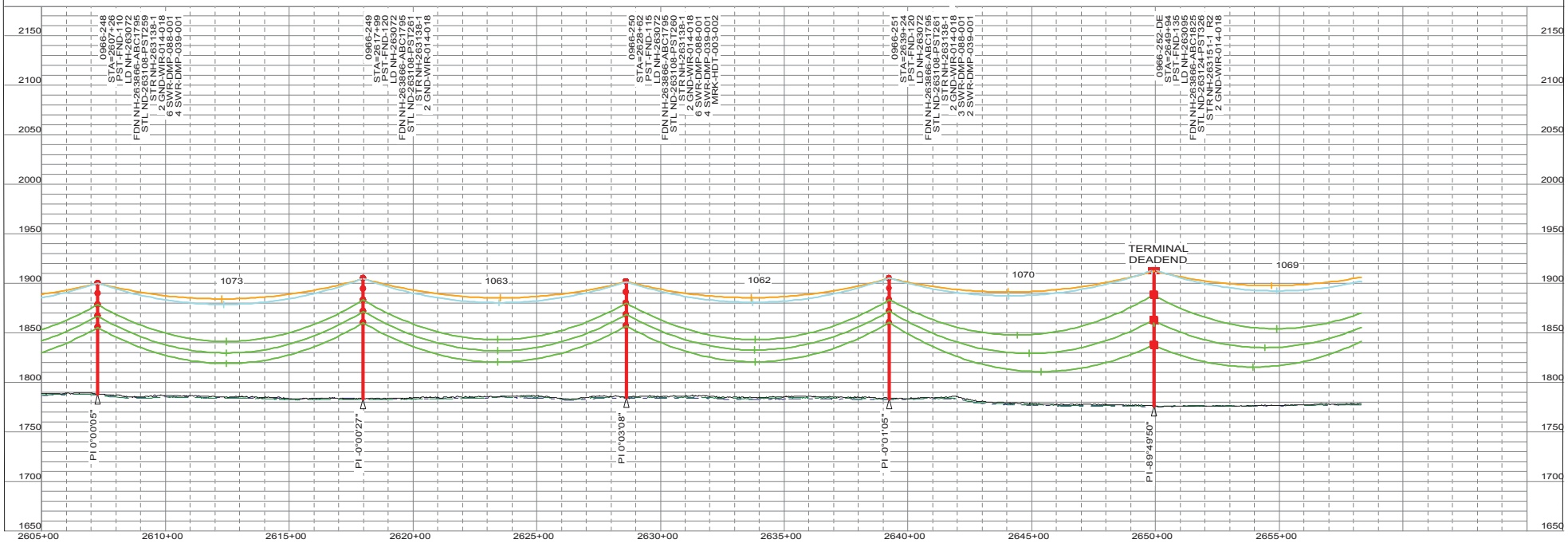
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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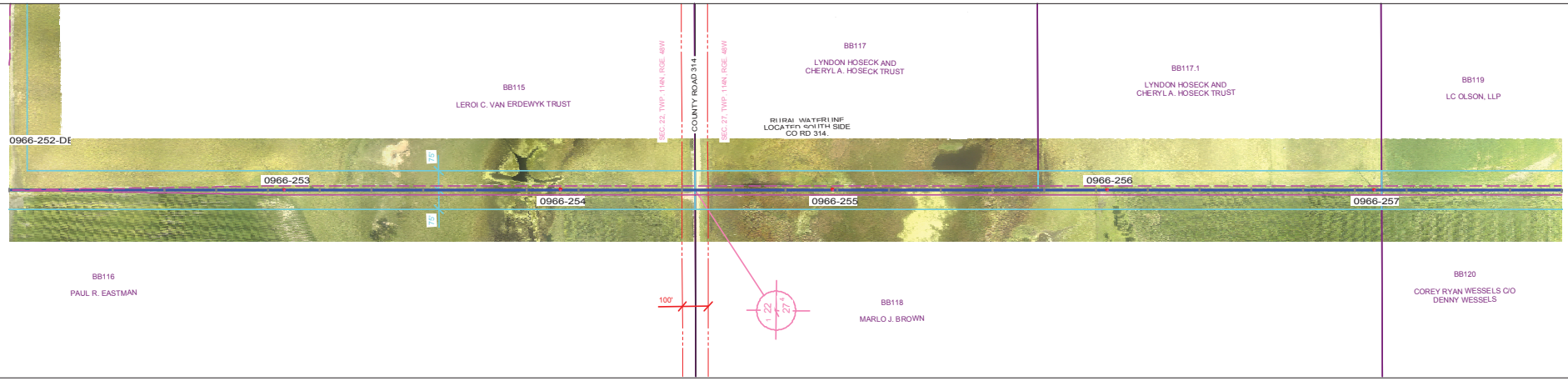
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-248 TO 0966-252-DE
NH-263189- 80 OF 110 REV 5

0966_BSS-BOK 11/10/2017



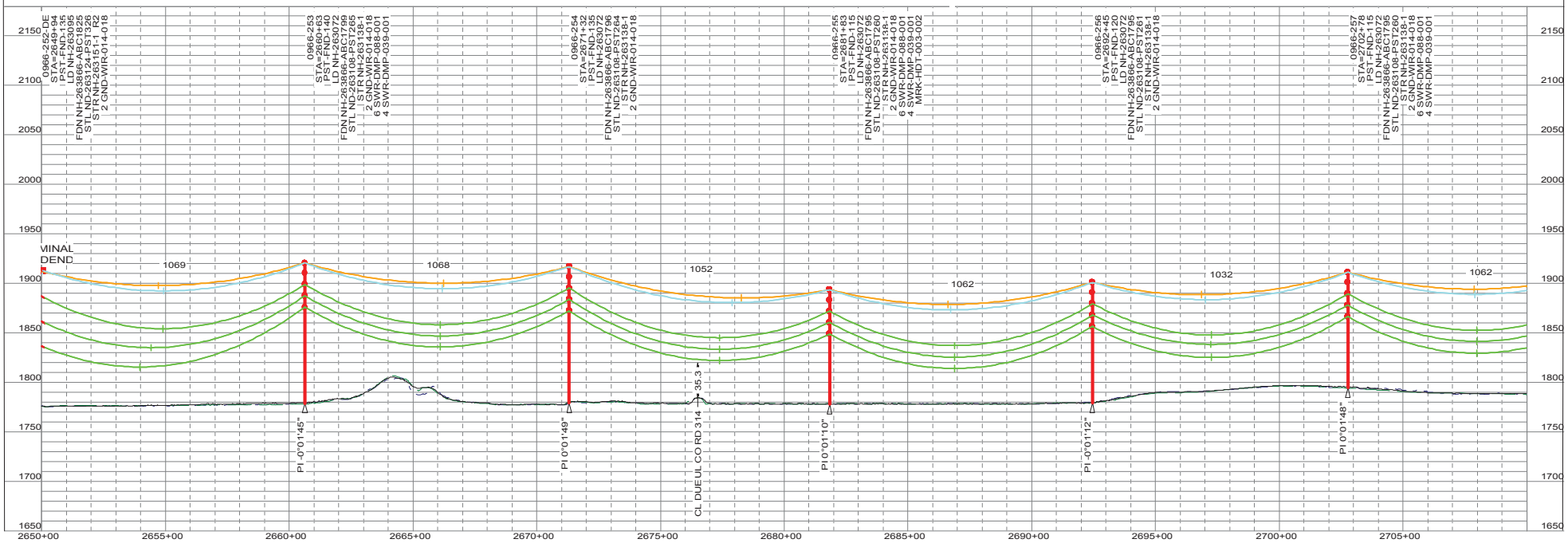
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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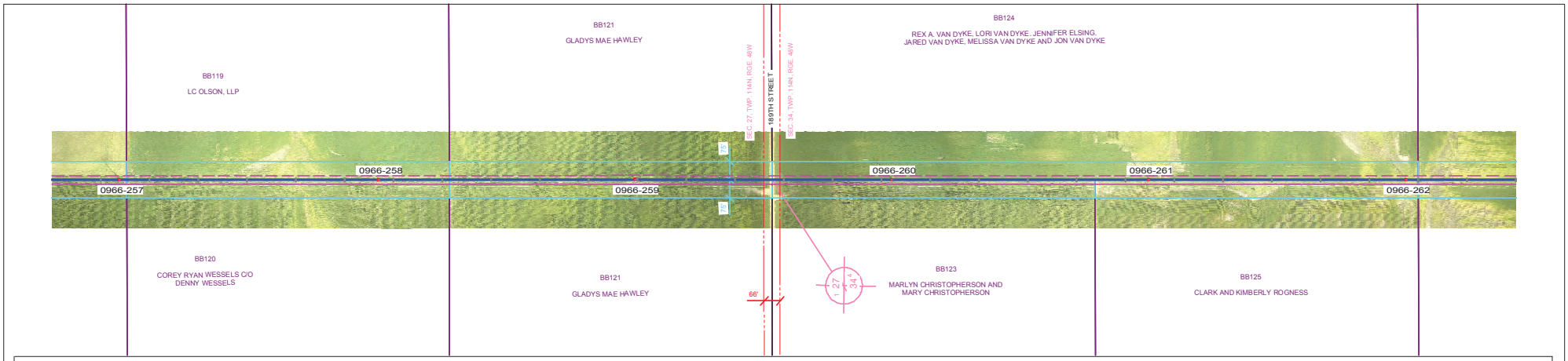
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-253 TO 0966-257
OF 110
NH-263189- 81
REV 5

0966_BSS-BOK 11/10/2017



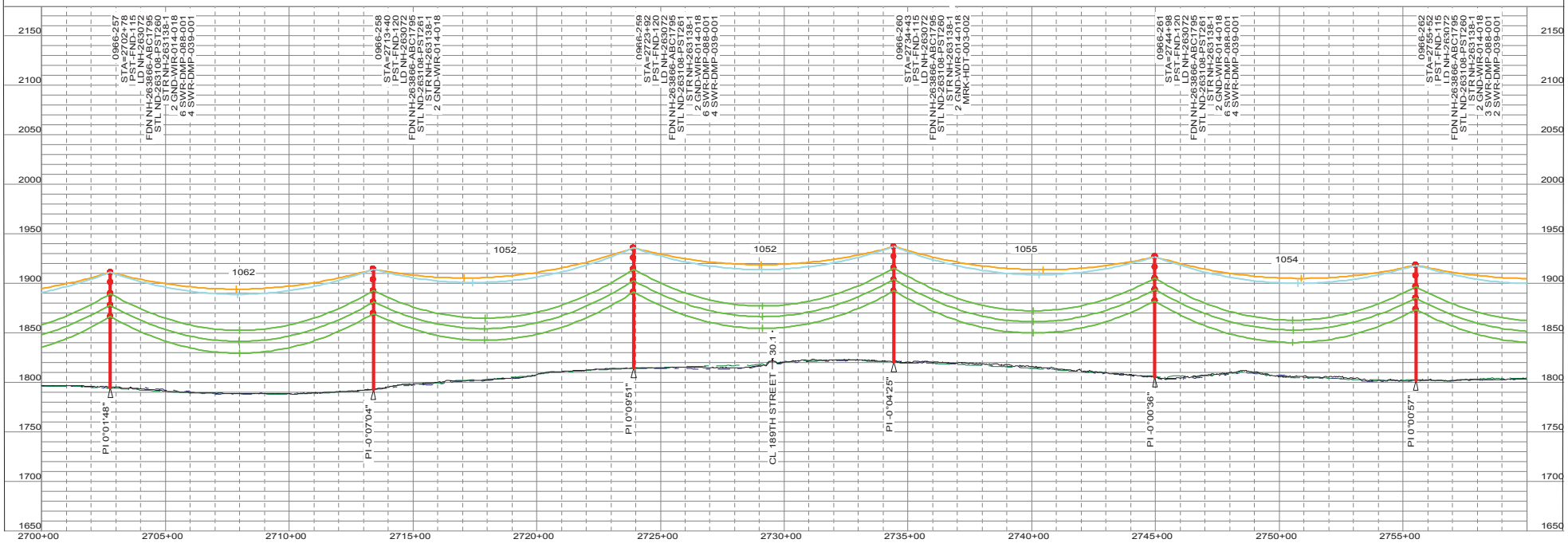
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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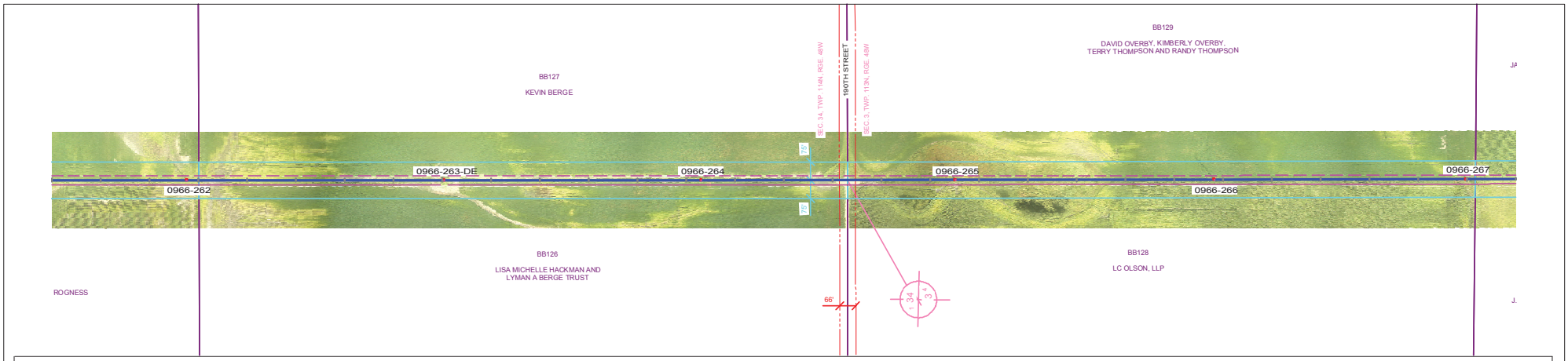
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-257 TO 0966-262
OF 110
NH-263189- 82
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

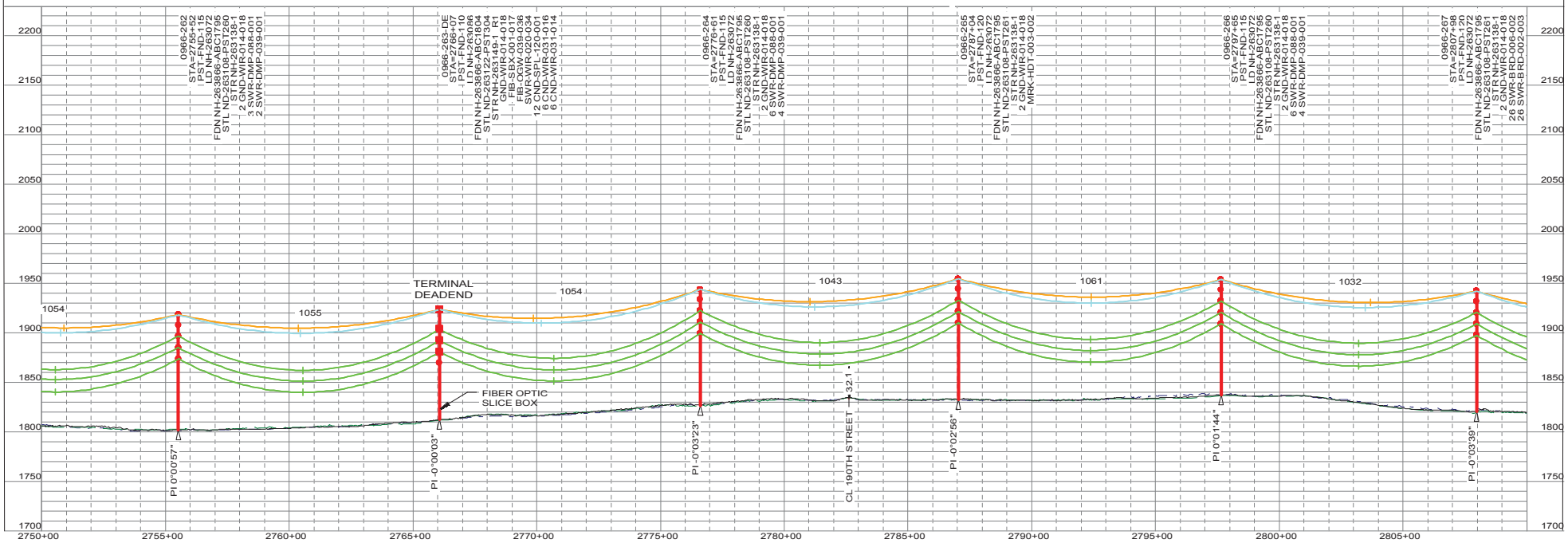


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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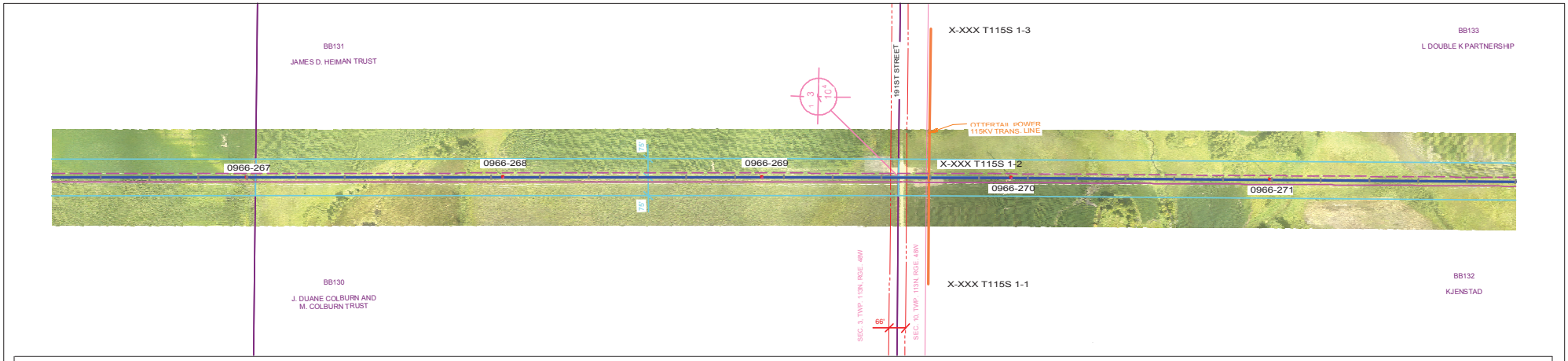
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-262 TO 0966-267
OF 110
NH-263189- 83
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



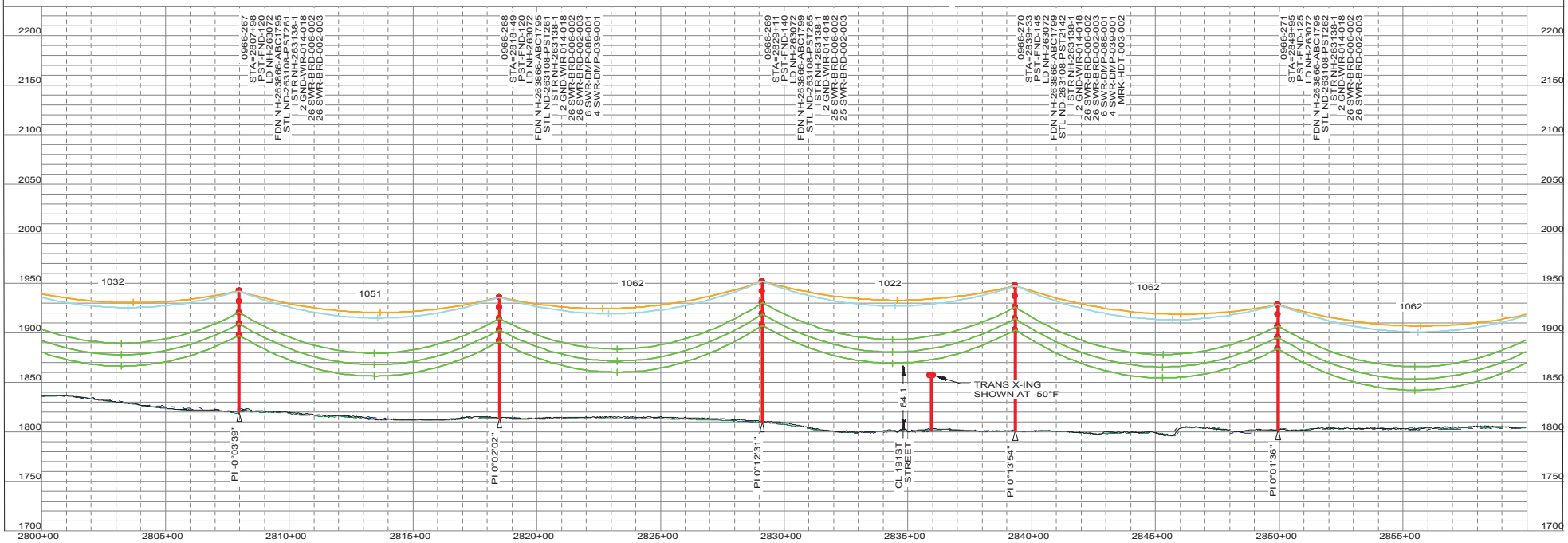
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

345KV

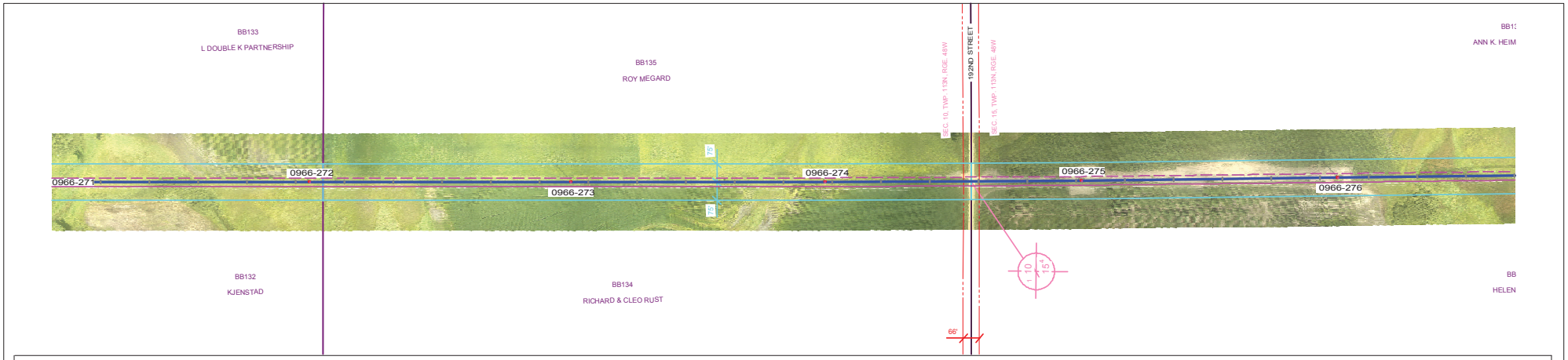
0966-267 TO 0966-271

OF 110

NH-263189- 84

REV 5

0966_BSS-BOK 11/10/2017



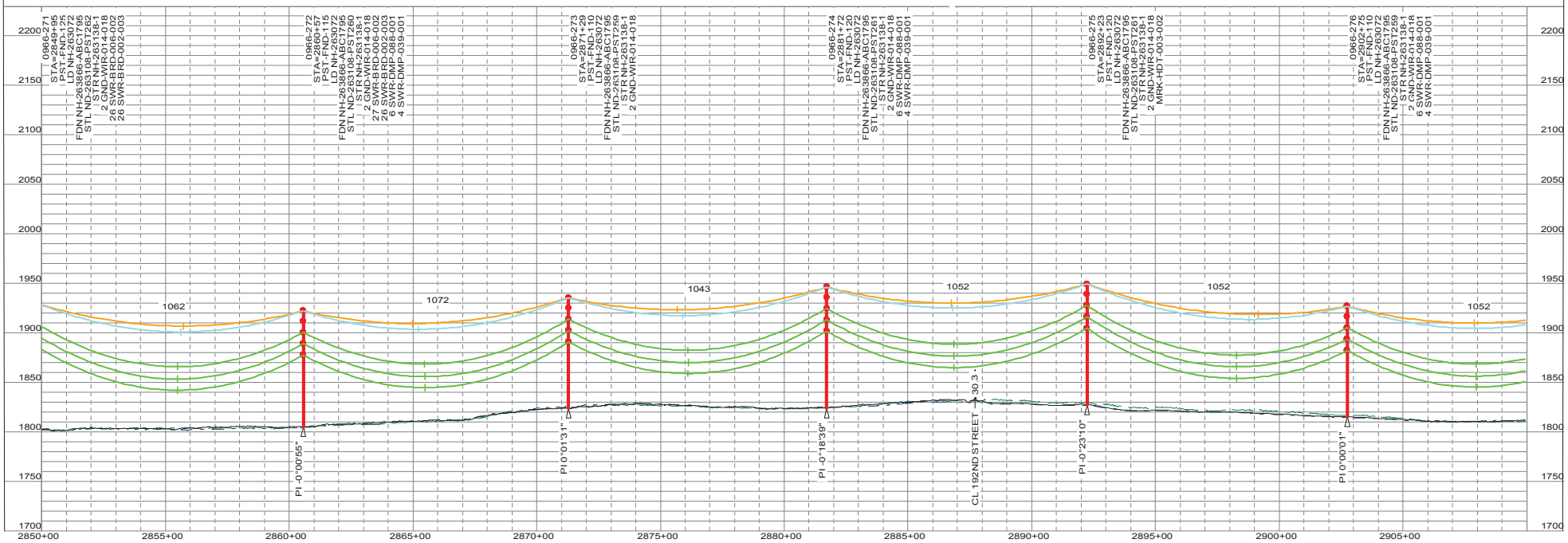
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

345KV

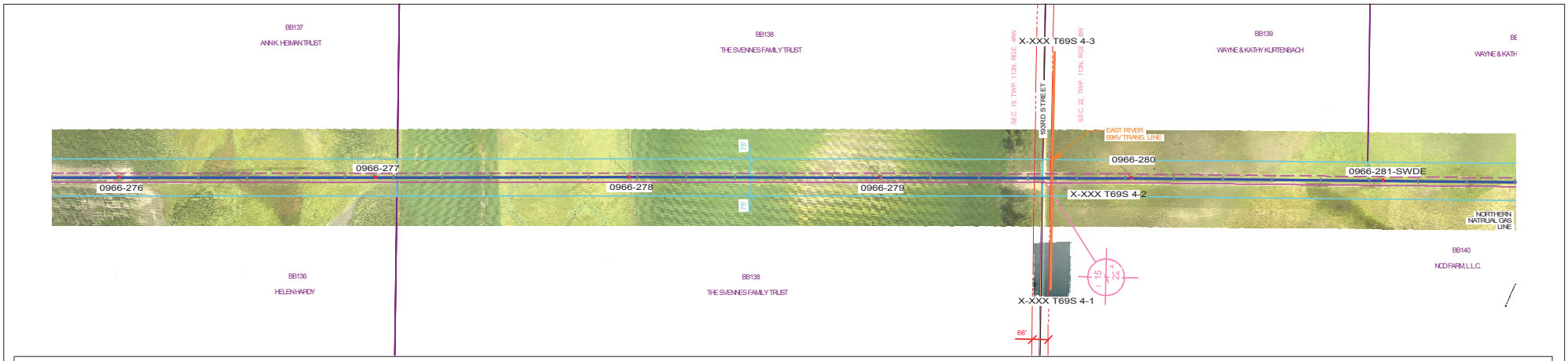
0966-272 TO 0966-276

NH-263189- 85

OF 110

REV 5

0966_BSS-BOK 11/10/2017



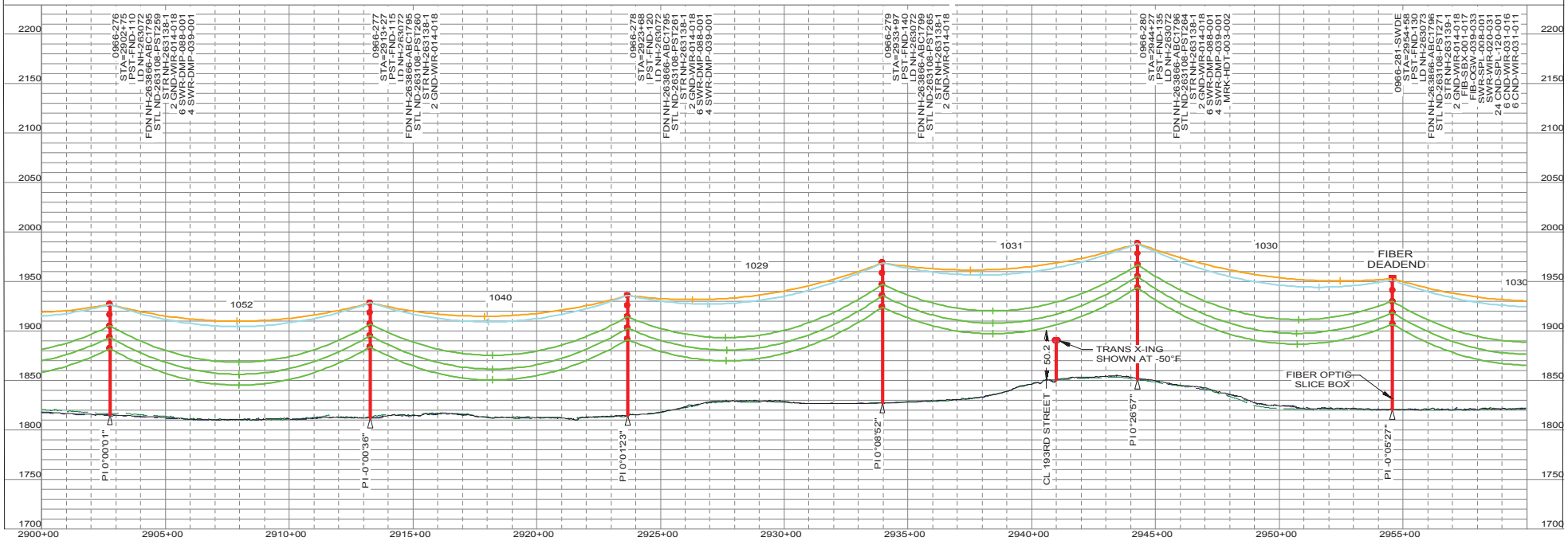
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

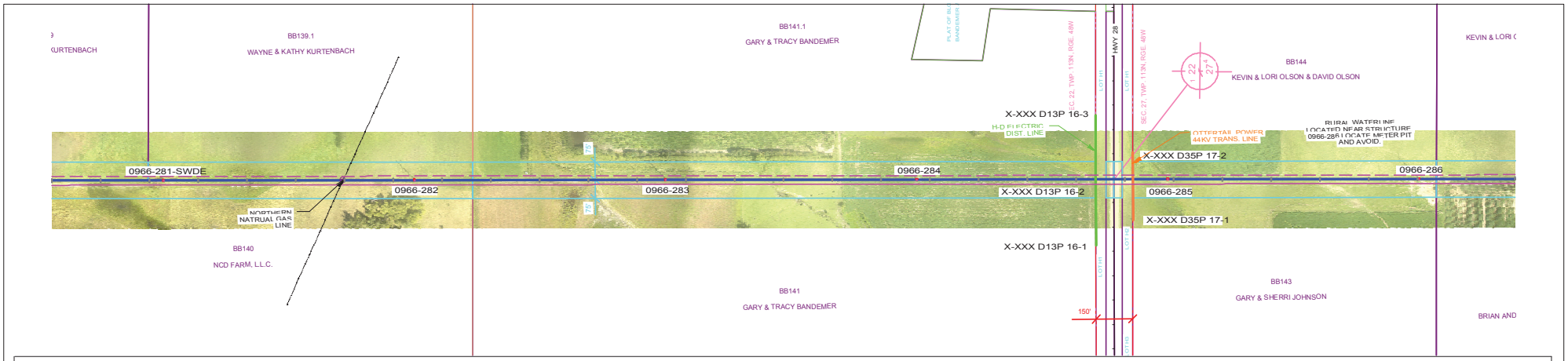
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-276 TO 0966-281-SWDE

NH-263189- 86 OF 110 REV 5

0966_BSS-BOK 11/10/2017



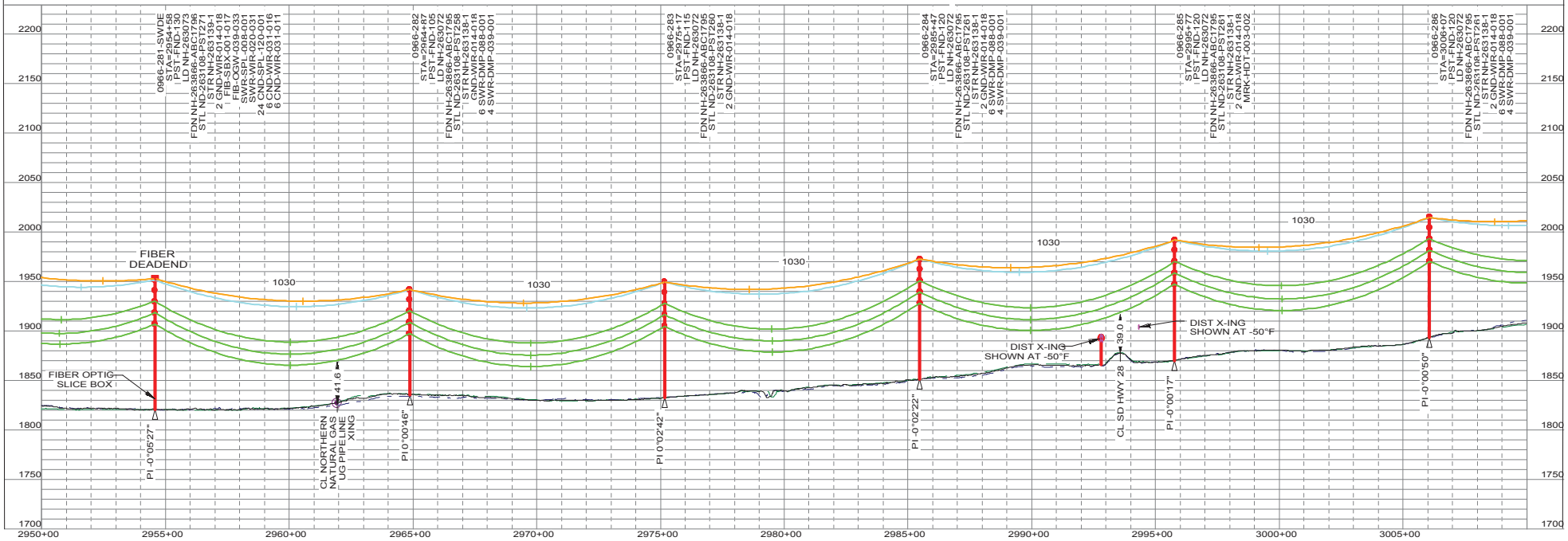
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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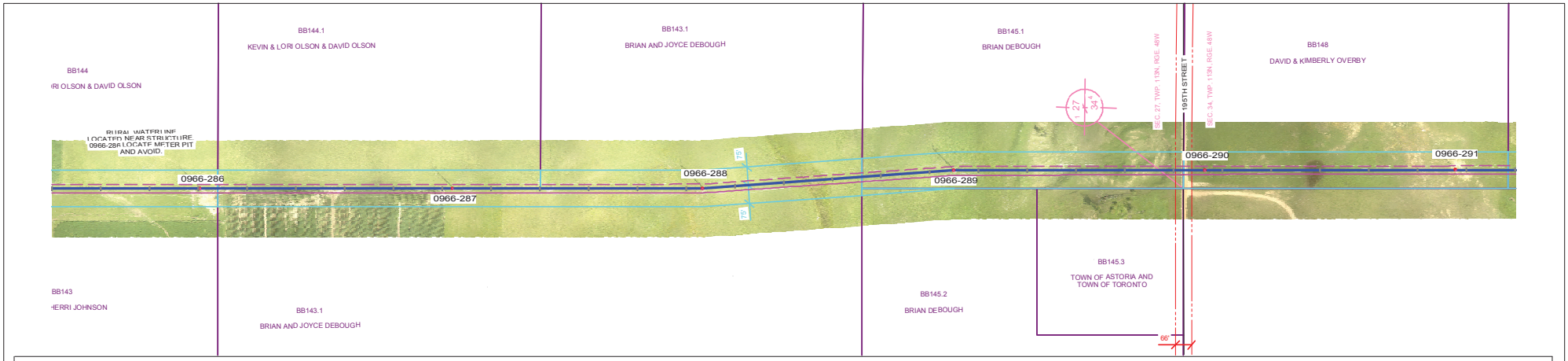
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-281-SWDE TO 0966-286
NH-263189- 87
OF 110
REV 5

0966_BSS-BOK 11/10/2017

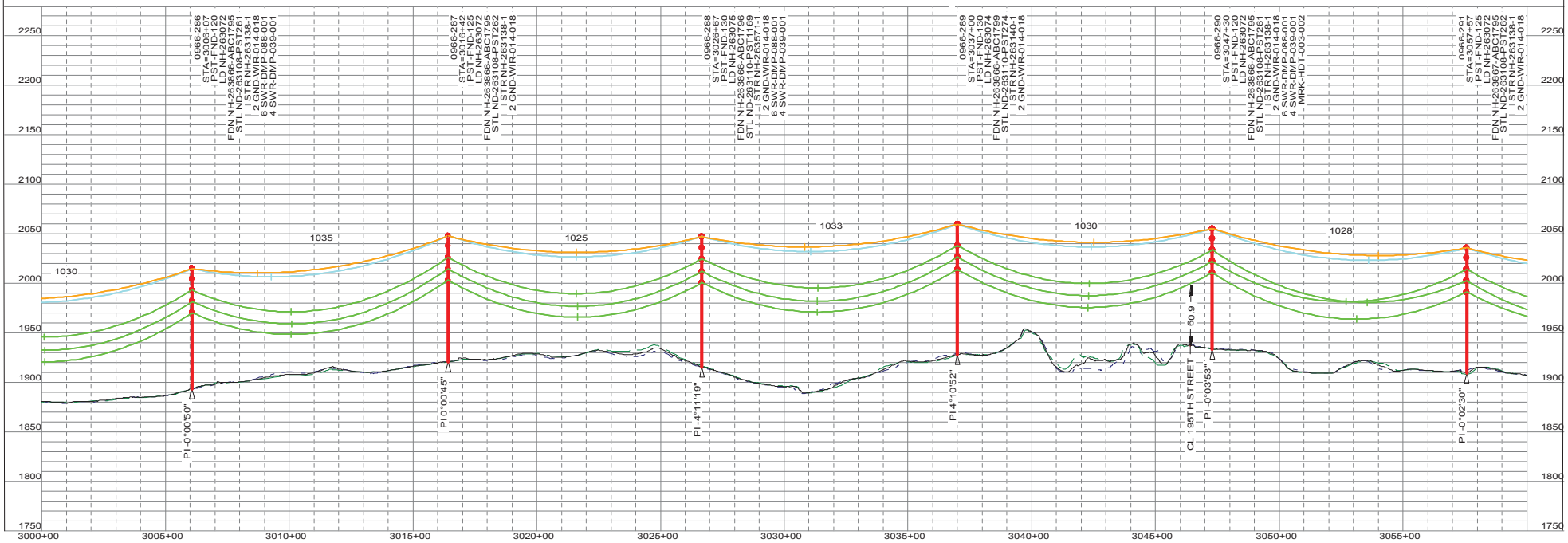


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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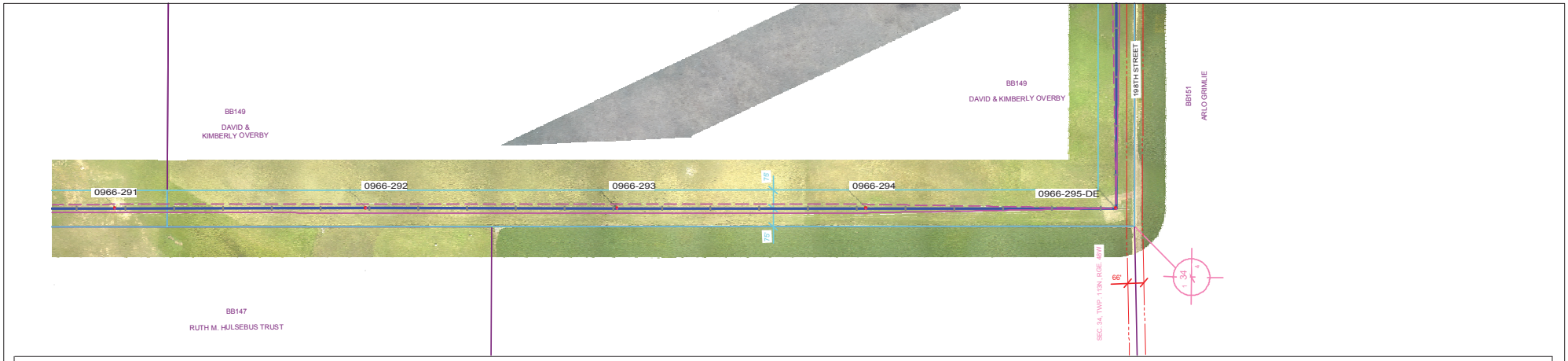
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-286 TO 0966-291
OF 110
NH-263189- 88
REV 5

0966_BSS-BOK 11/10/2017



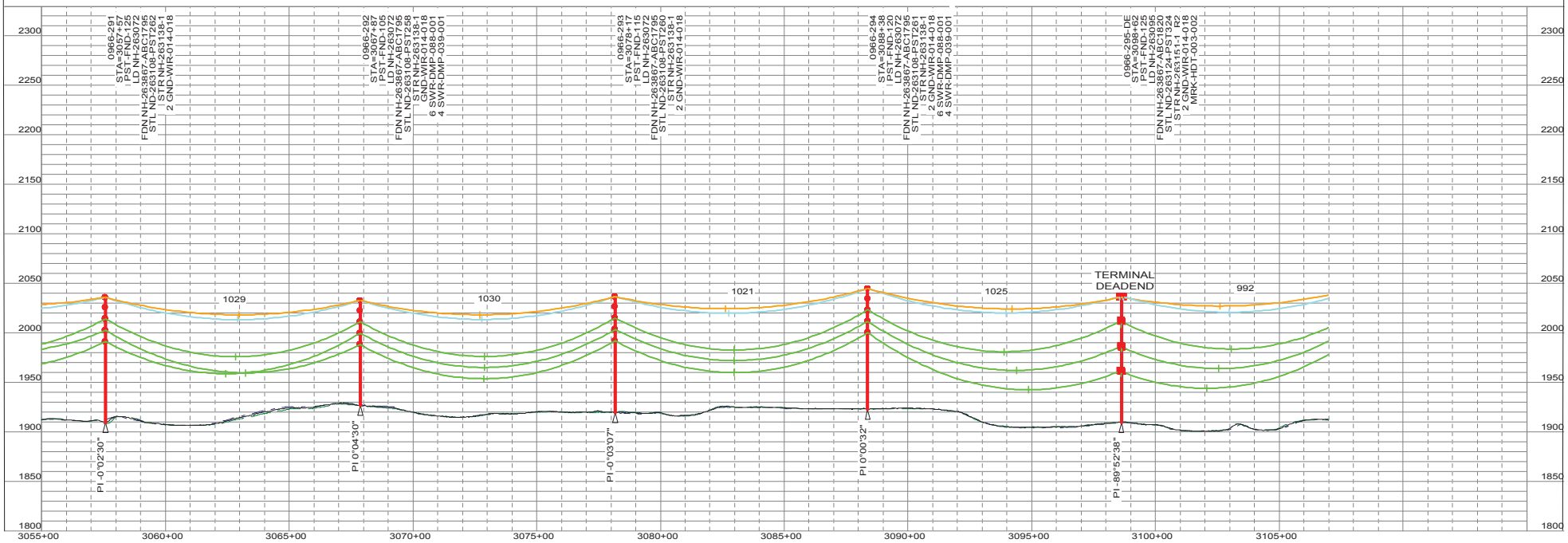
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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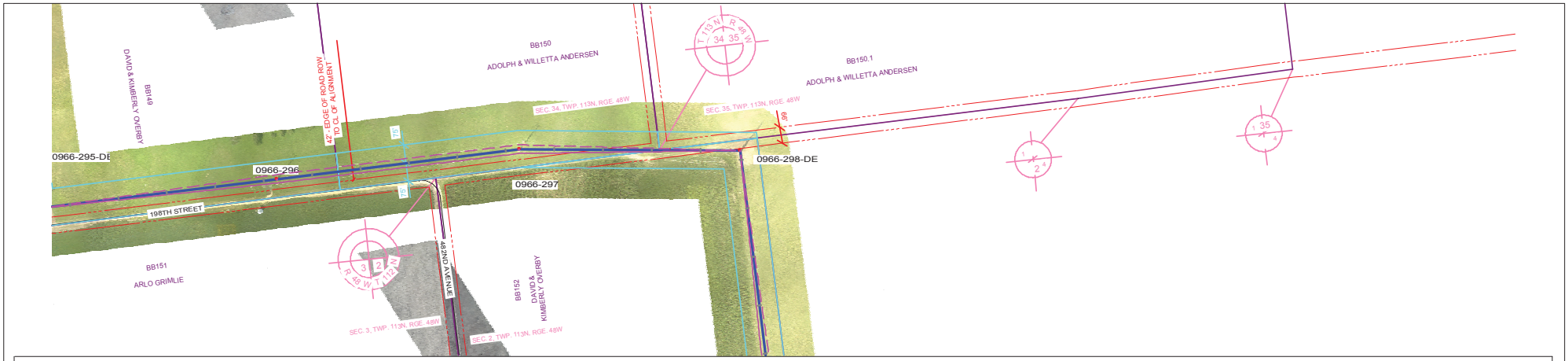
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-291 TO 0966-295-DE
OF 110
NH-263189- 89
REV 5

0966_BSS-BOK 11/10/2017

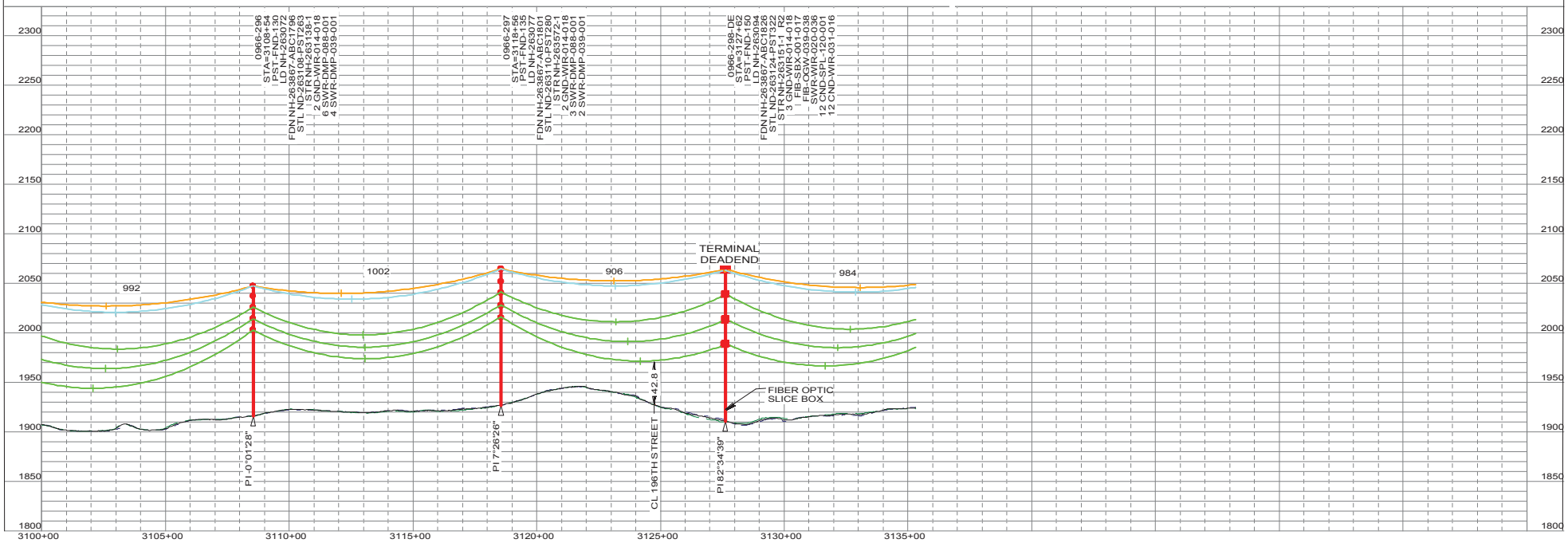


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LITCOR 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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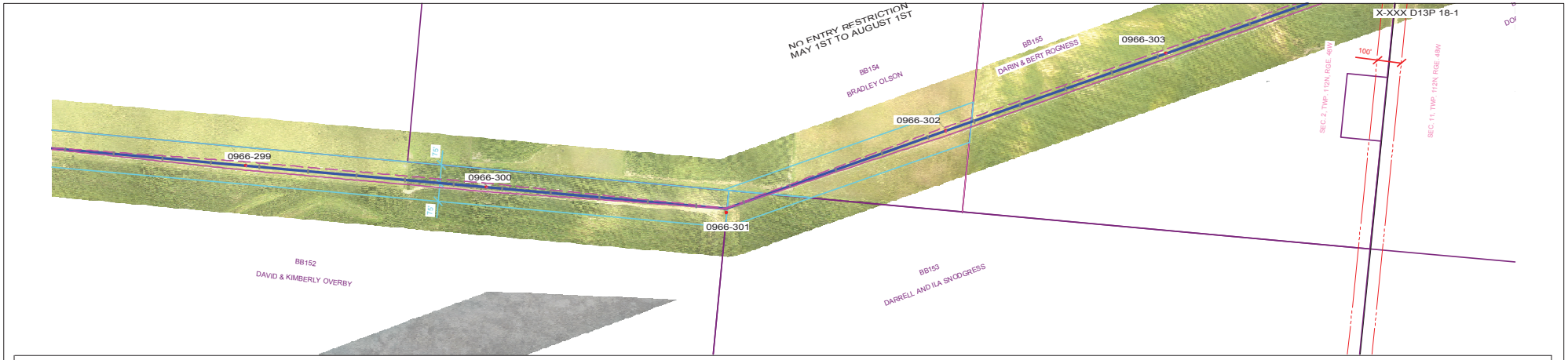
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-296 TO 0966-298-DE
OF 110
NH-263189- 90
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



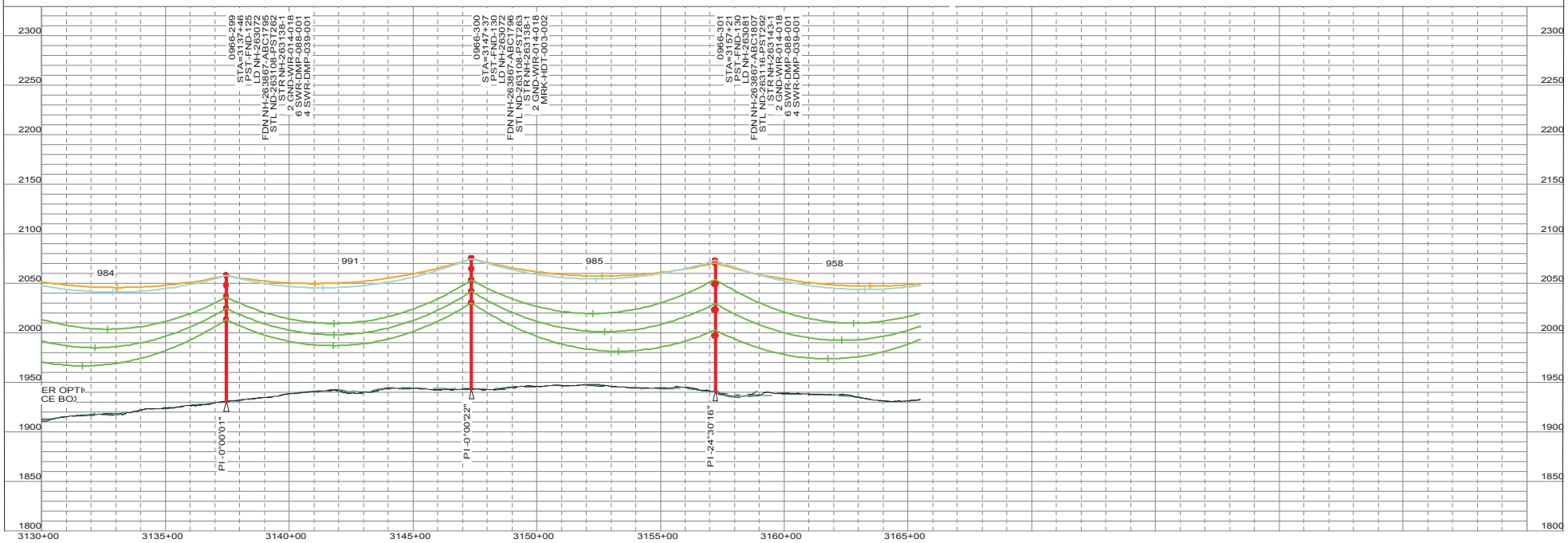
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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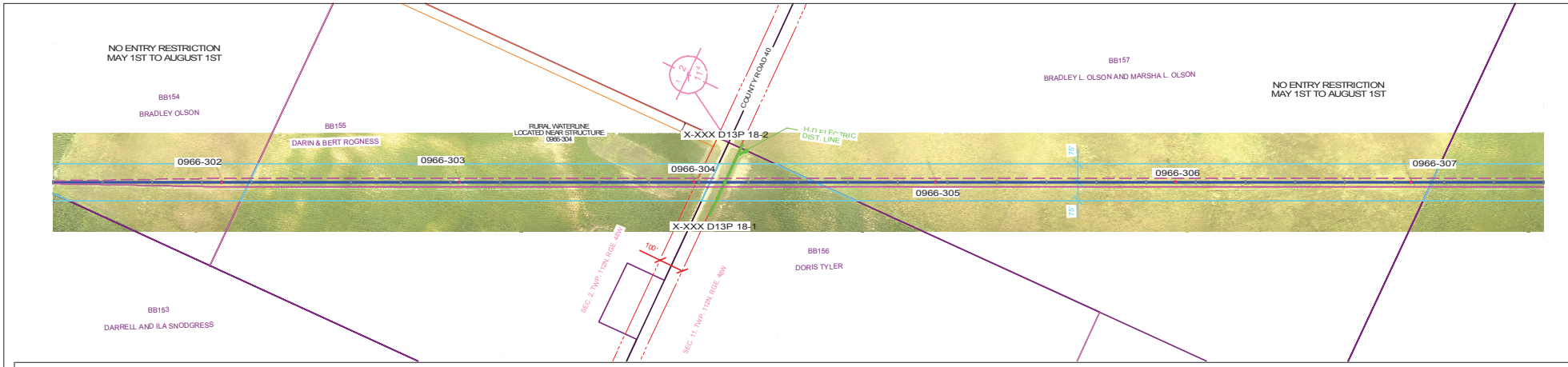
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-299 TO 0966-301
OF 110
NH-263189- 91
REV 5

0966_BSS-BOK 11/10/2017

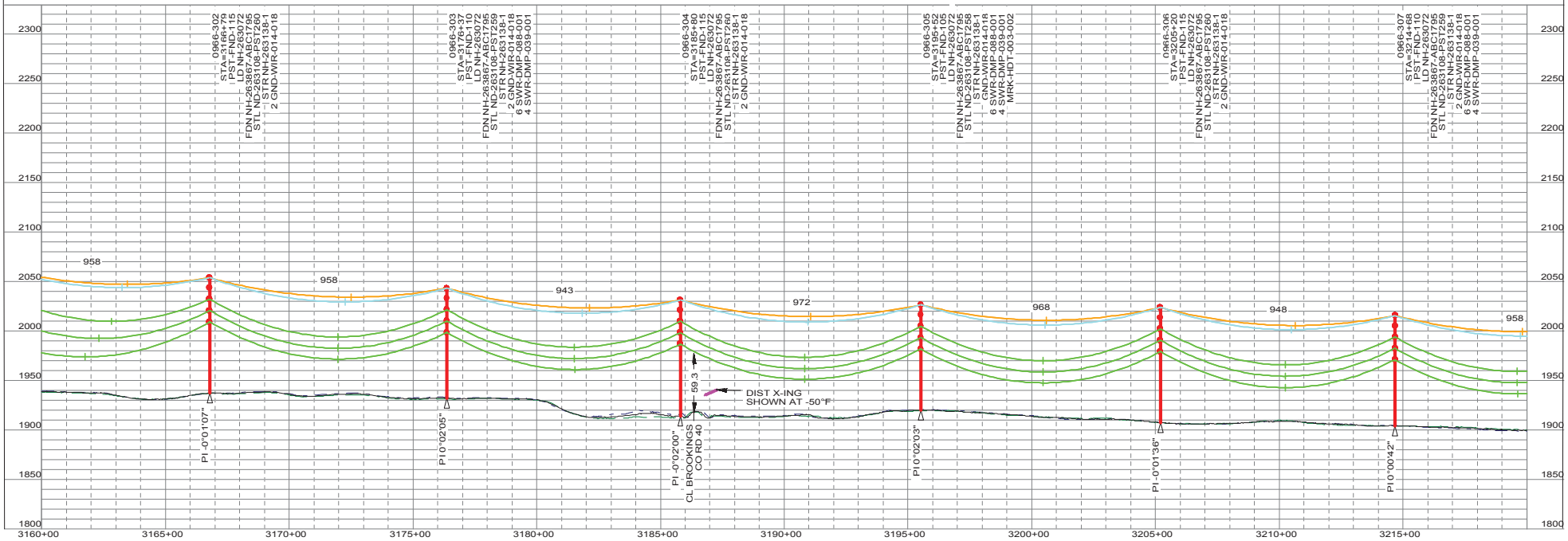


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

345KV

LINE 0966
BSS SUB TO BOK SUB

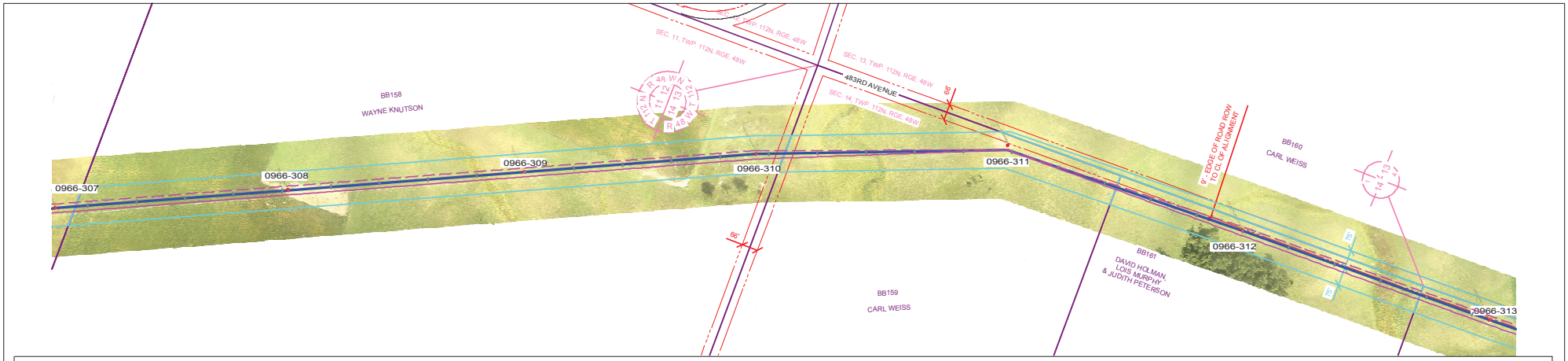
0966-302 TO 0966-307

OF 110

NH-263189- 92

REV 5

0966_BSS-BOK 11/10/2017

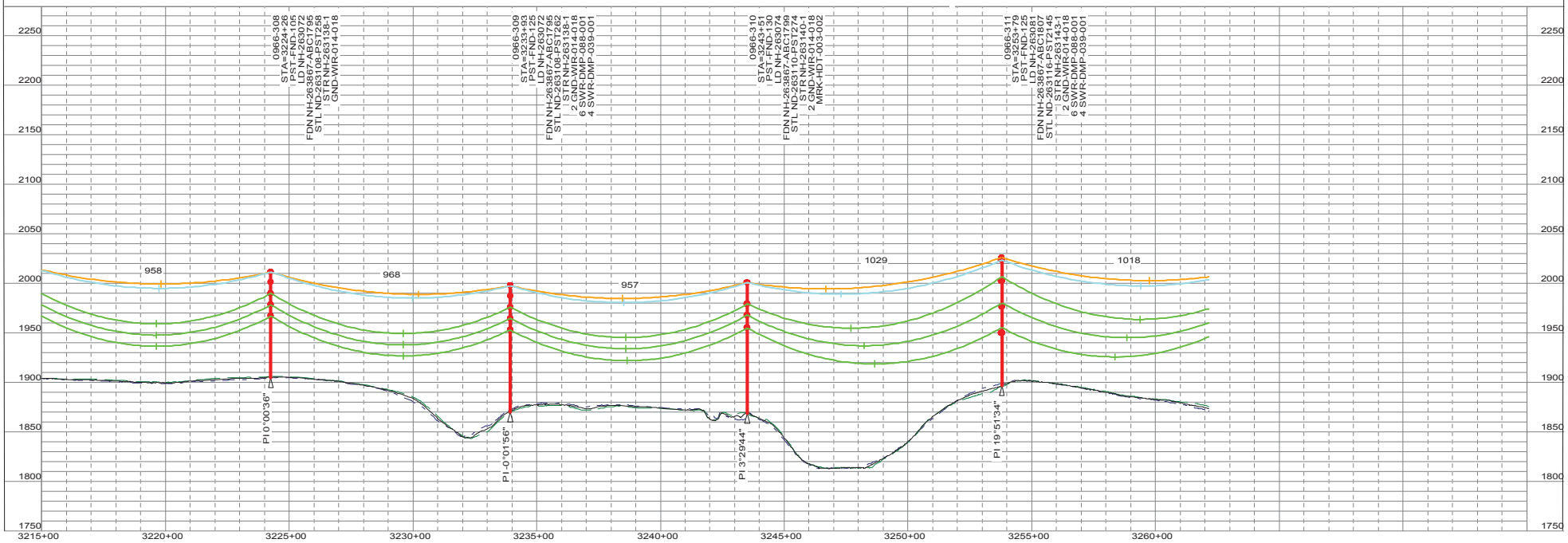


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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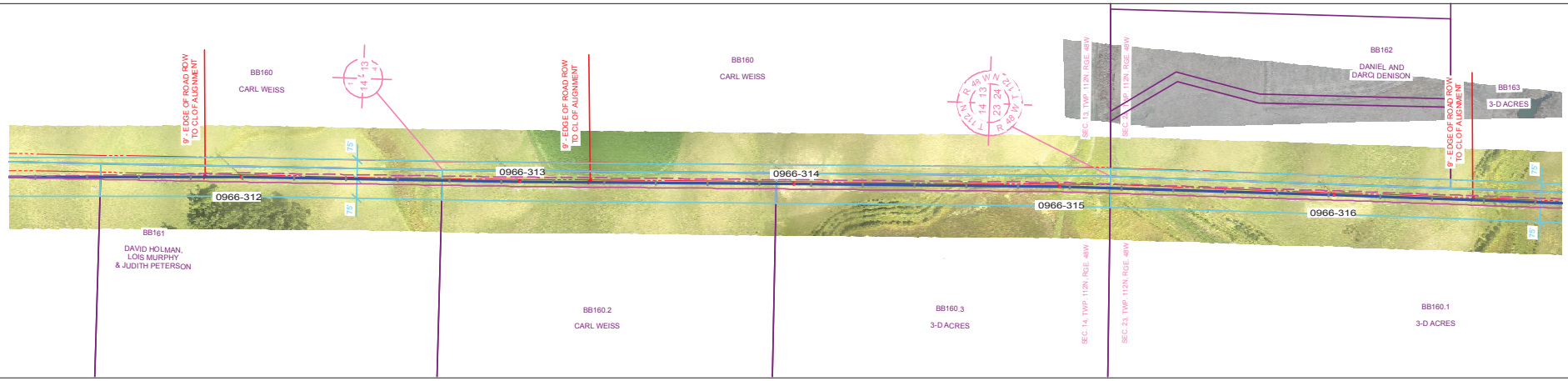
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-308 TO 0966-311
OF 110
NH-263189- 93
REV 5

0966_BSS-BOK 11/10/2017



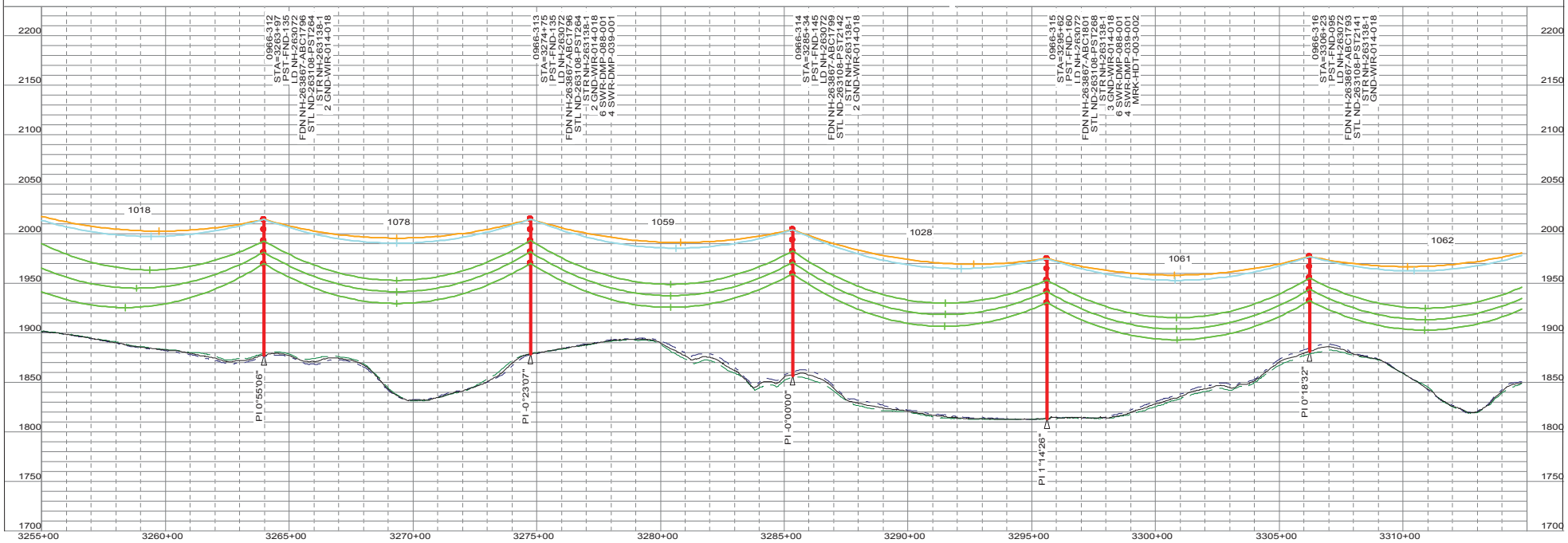
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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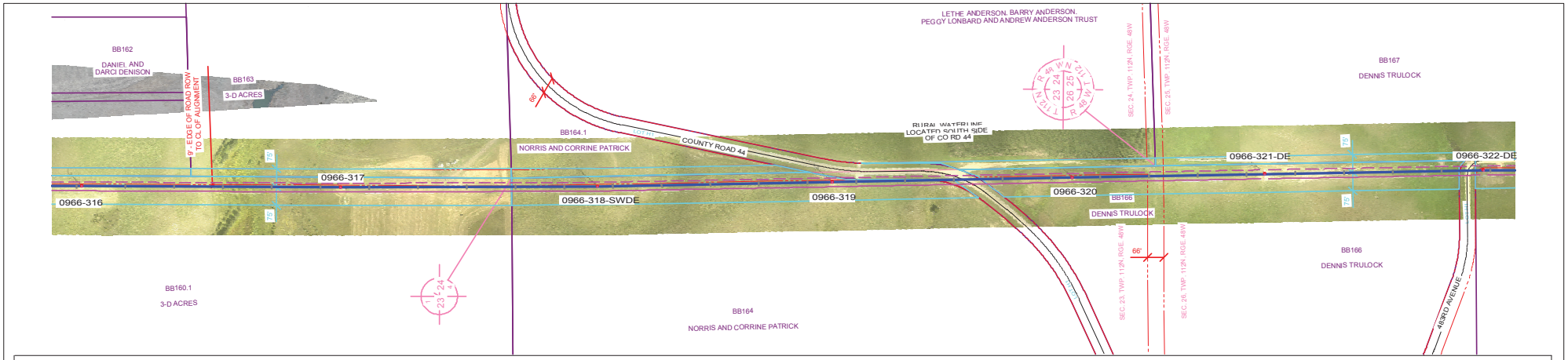
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-312 TO 0966-316
OF 110
NH-263189- 94
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

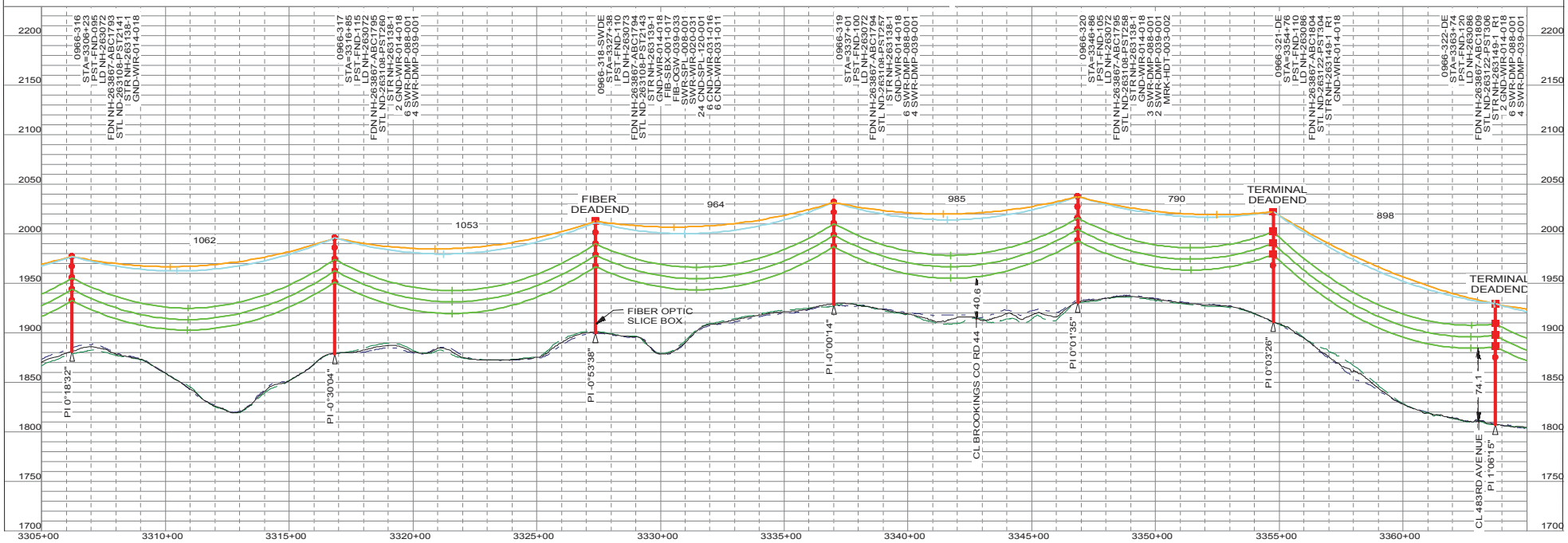


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

345KV

LINE 0966
BSS SUB TO BOK SUB

0966-316 TO 0966-322-DE

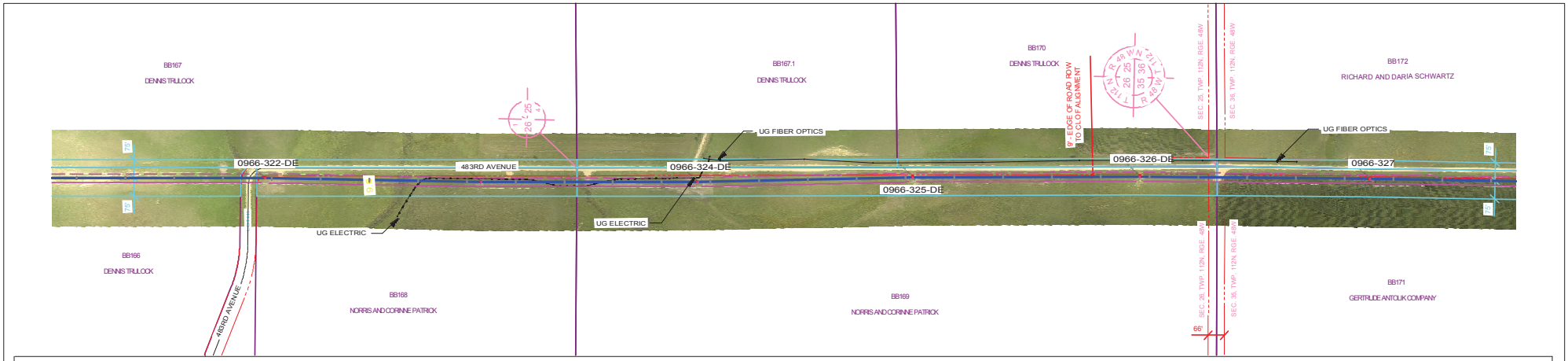
OF 110

NH-263189- 95

REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



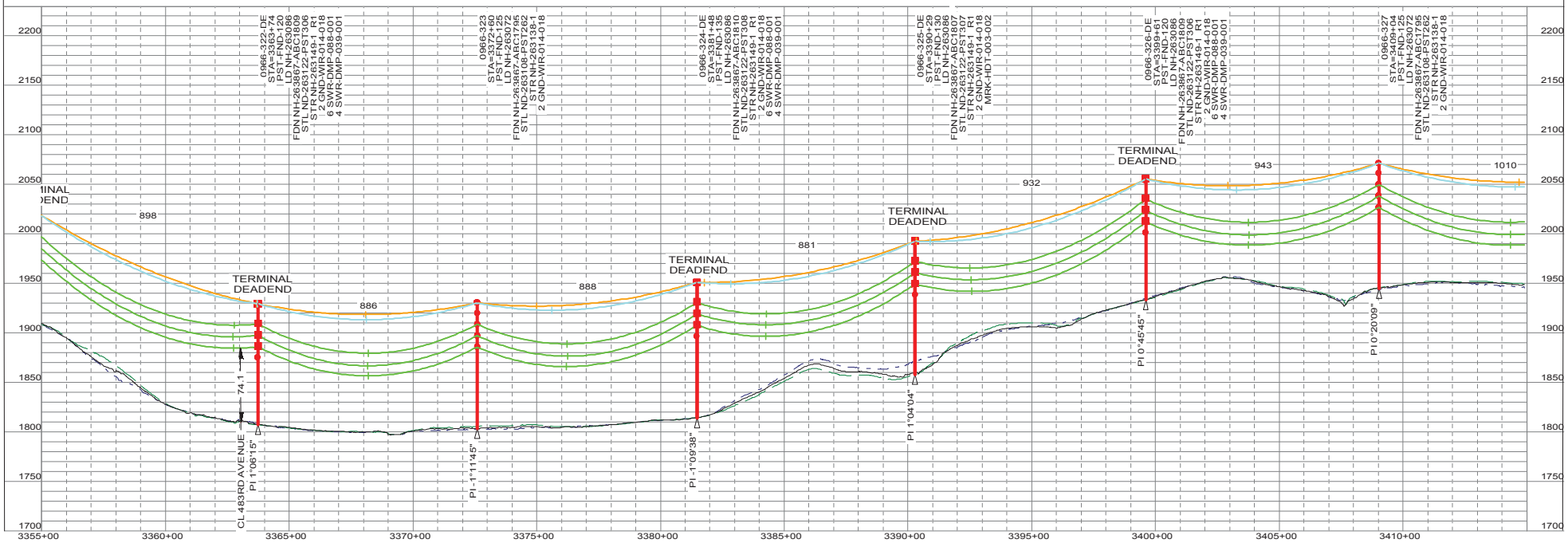
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB

345KV

0966-322-DE TO 0966-327

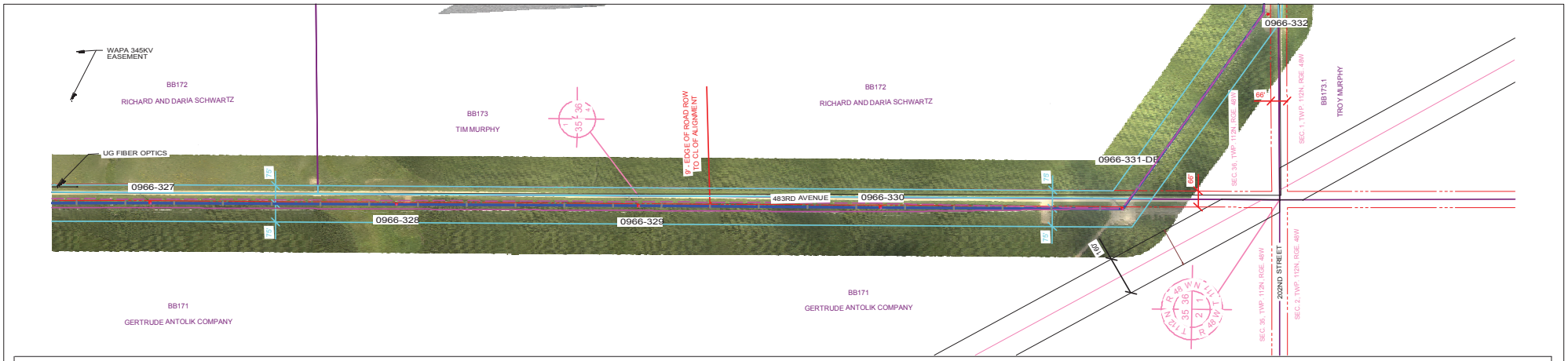
OF 110

NH-263189- 96

REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

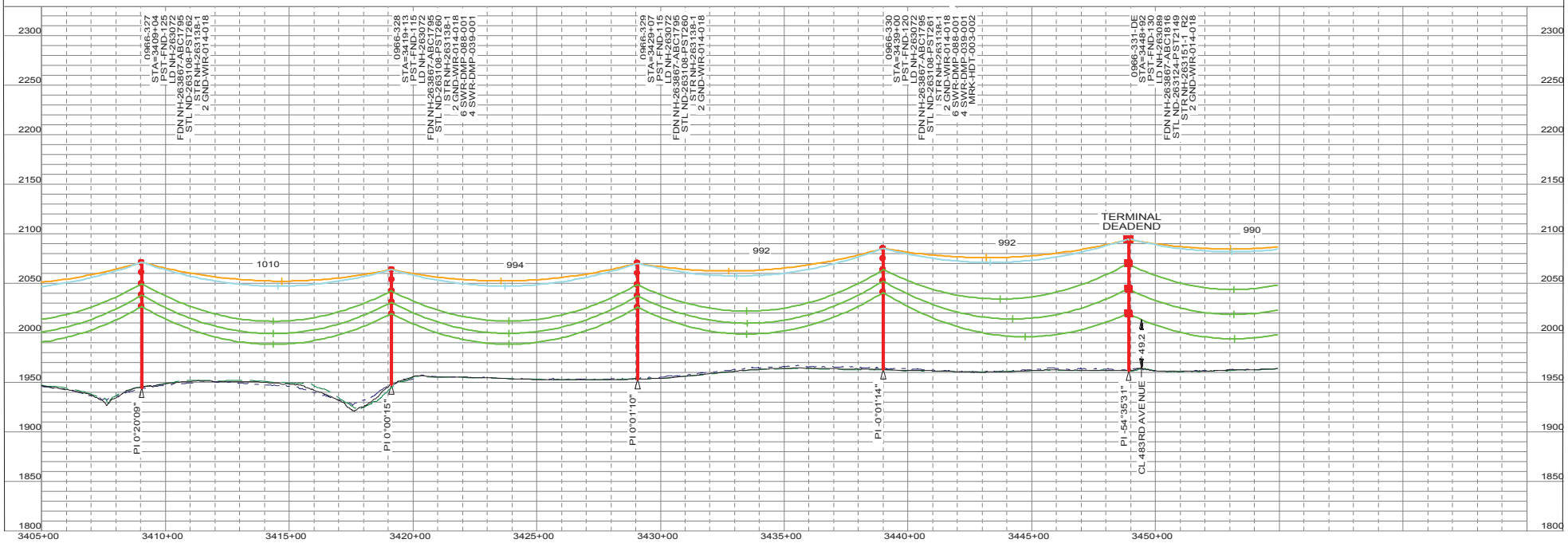


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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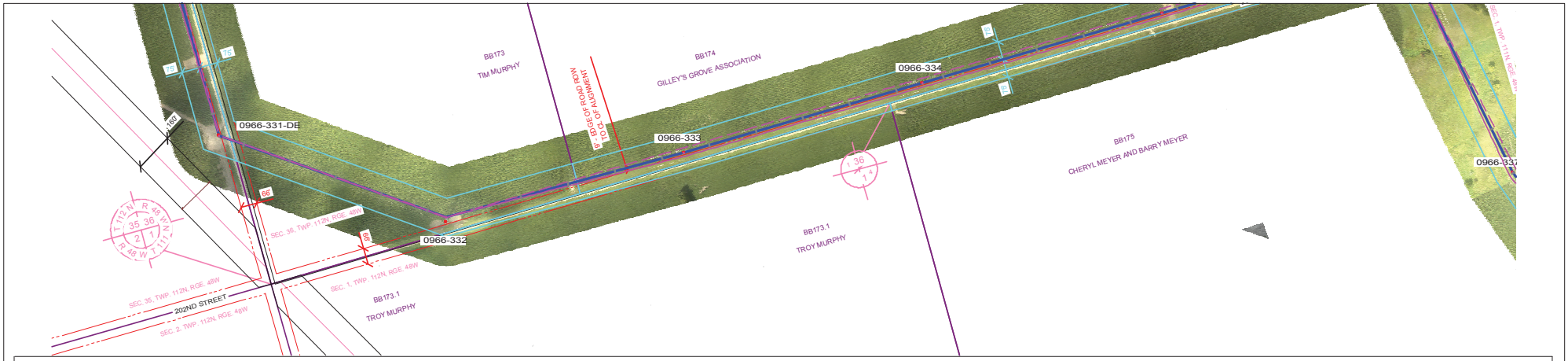
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-327 TO 0966-331-DE
NH-263189- 97 OF 110 REV 5

0966_BSS-BOK 11/10/2017

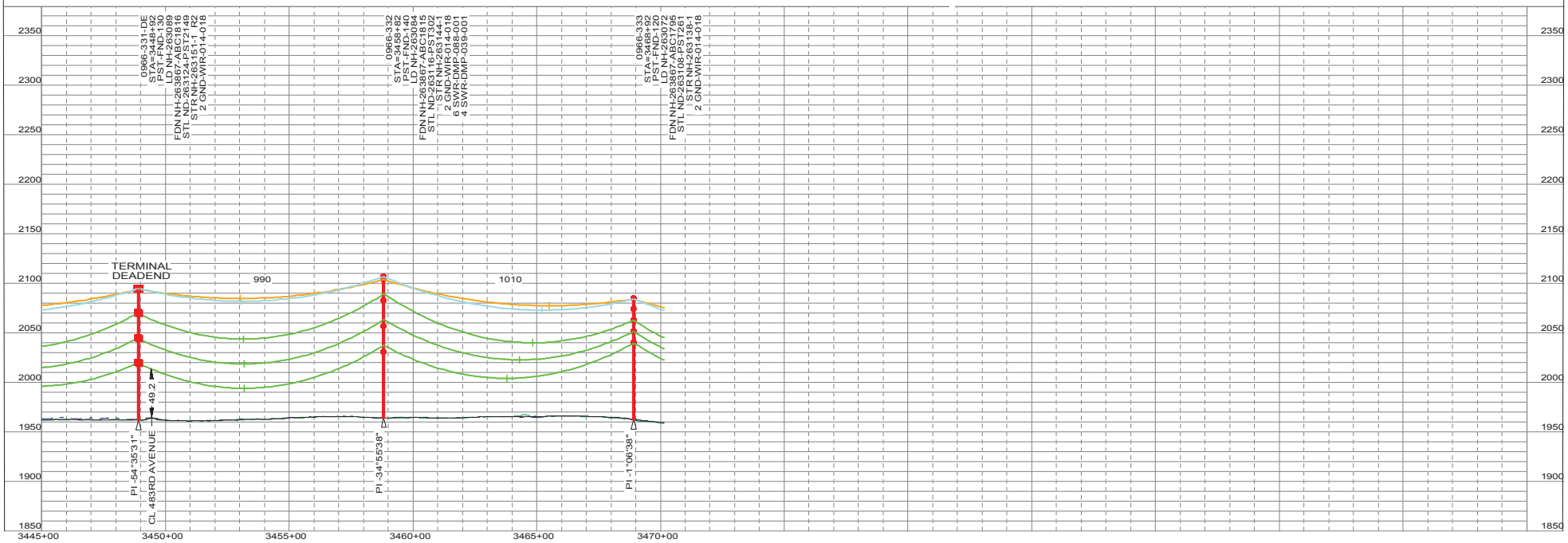


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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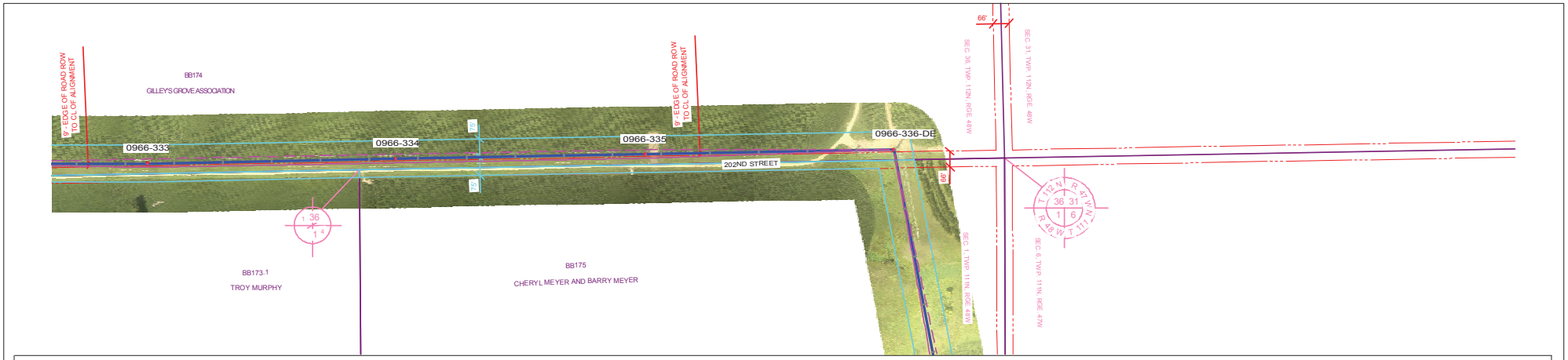
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-331-DE TO 0966-333
OF 110
NH-263189- 98
REV 5

0966_BSS-BOK 11/10/2017

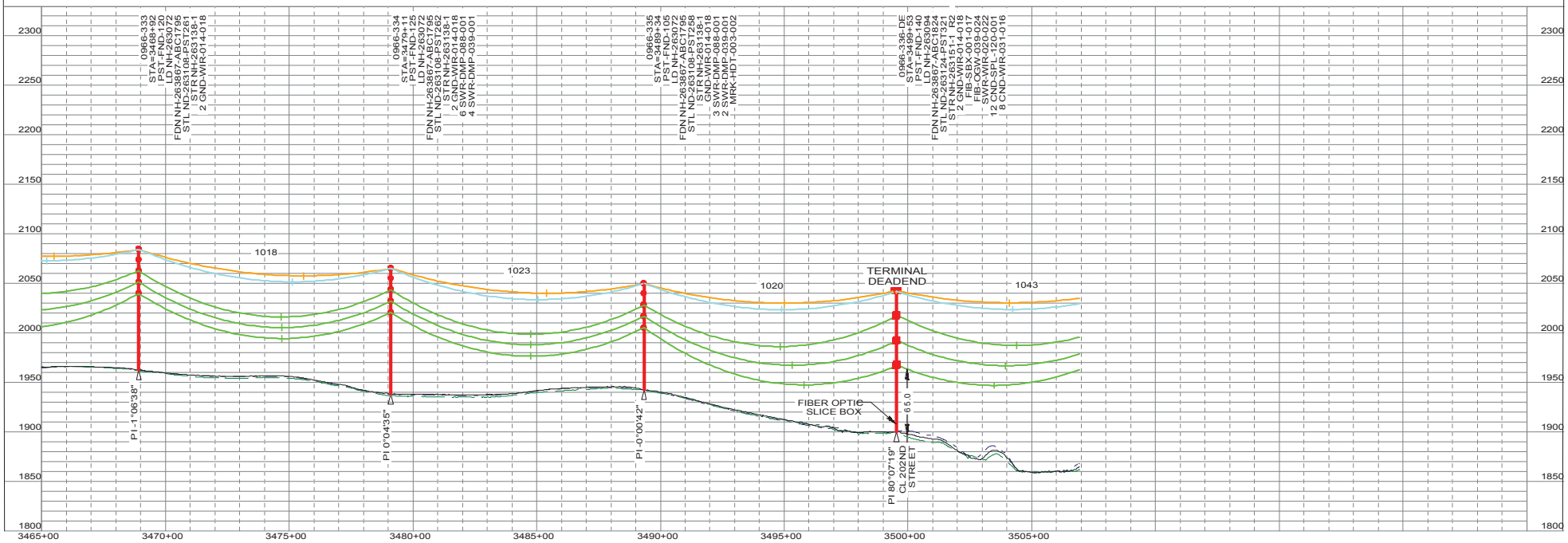


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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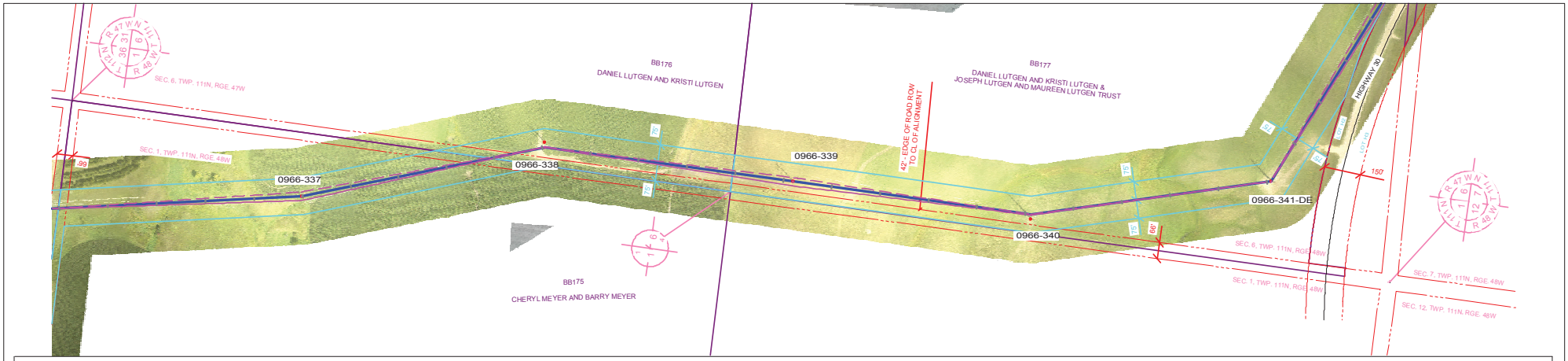
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-333 TO 0966-336-DE
OF 110
NH-263189- 99
REV 5

0966_BSS-BOK 11/10/2017



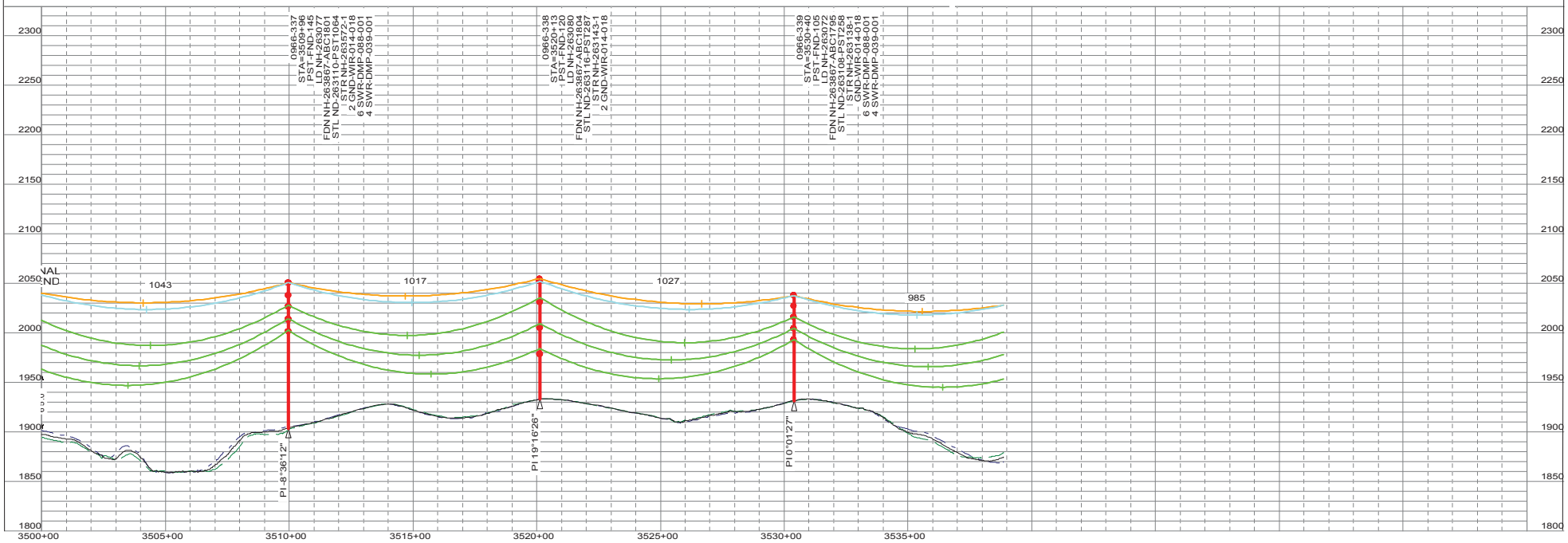
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy

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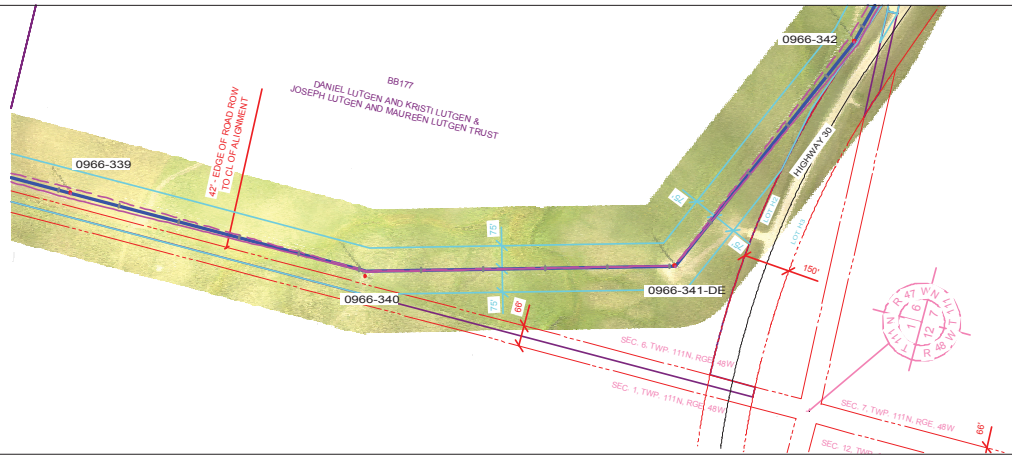
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-337 TO 0966-339
OF 110
NH-263189- 100
REV 5

0966_BSS-BOK 11/10/2017



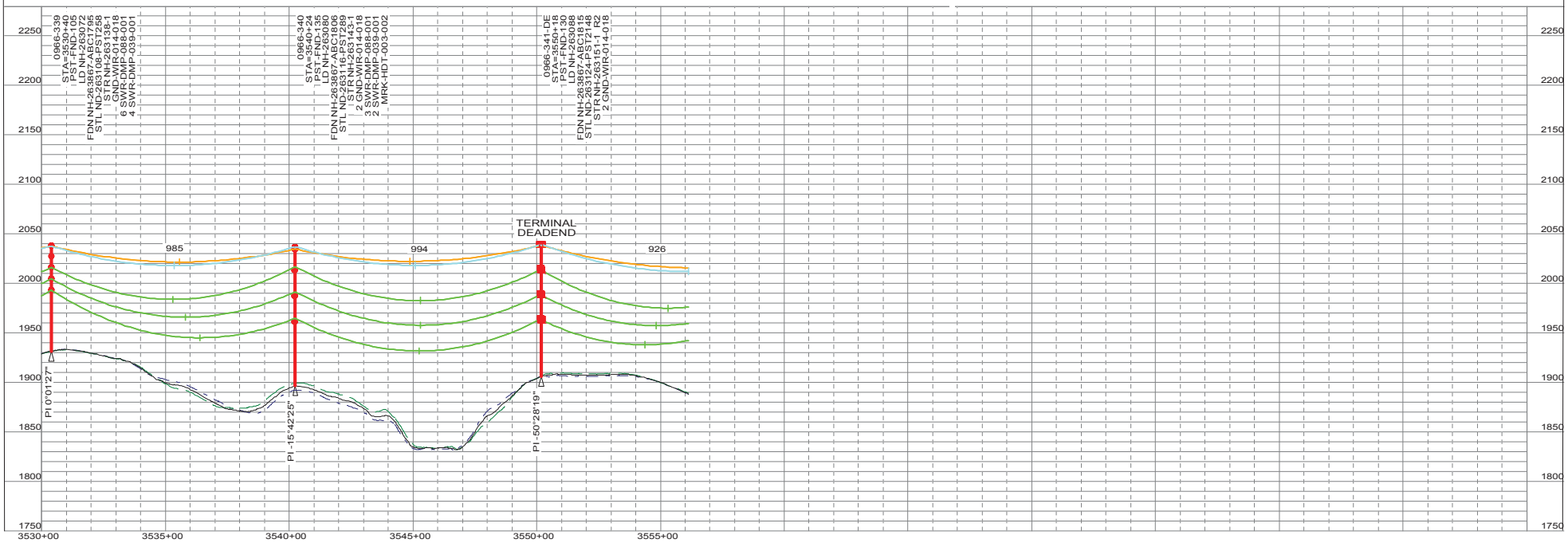
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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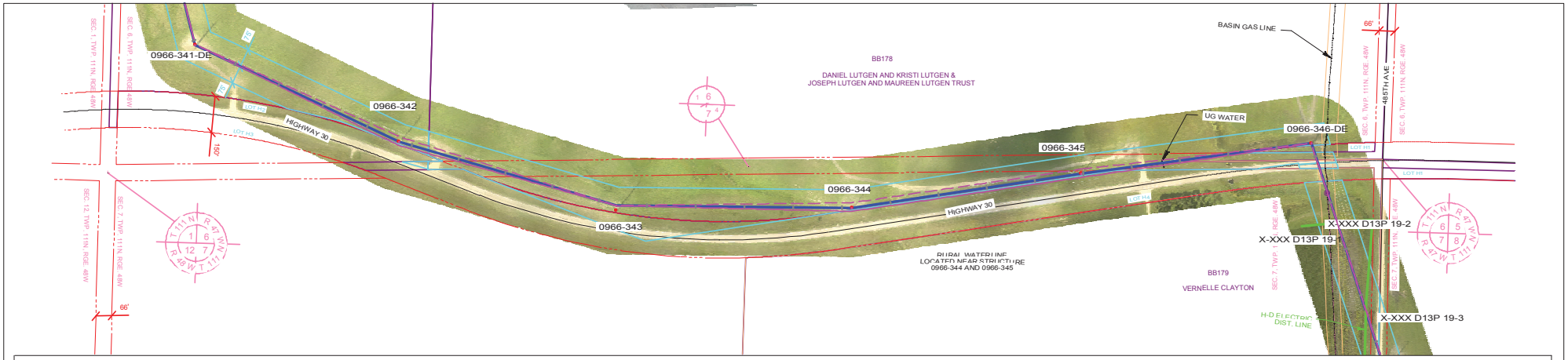
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-339 TO 0966-341-DE
NH-263189- 101 OF 110 REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI



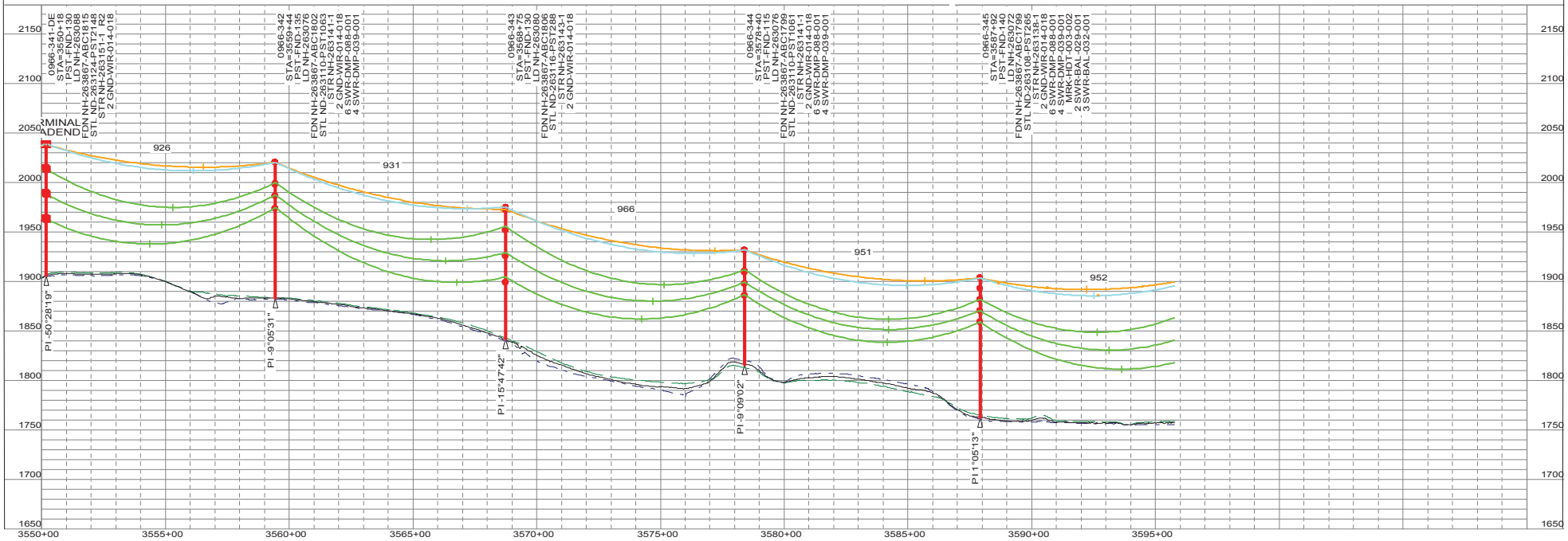
N

PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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50.0 FT. VERT. SCALE

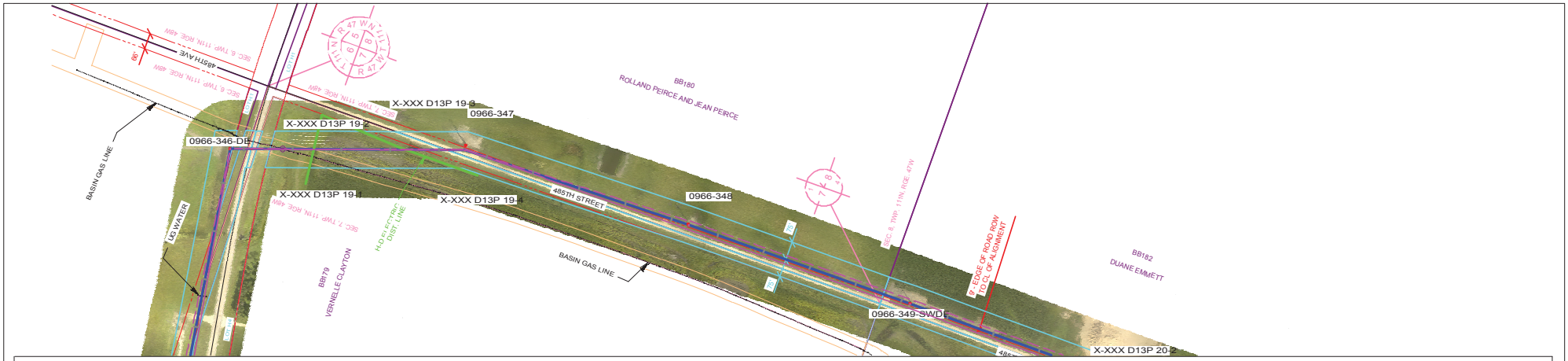
LINE 0966
BSS SUB TO BOK SUB

345KV

0966-341-DE TO 0966-345

NH-263189- 102 | OF 110 | REV 5

0966_BSS-BOK 11/10/2017



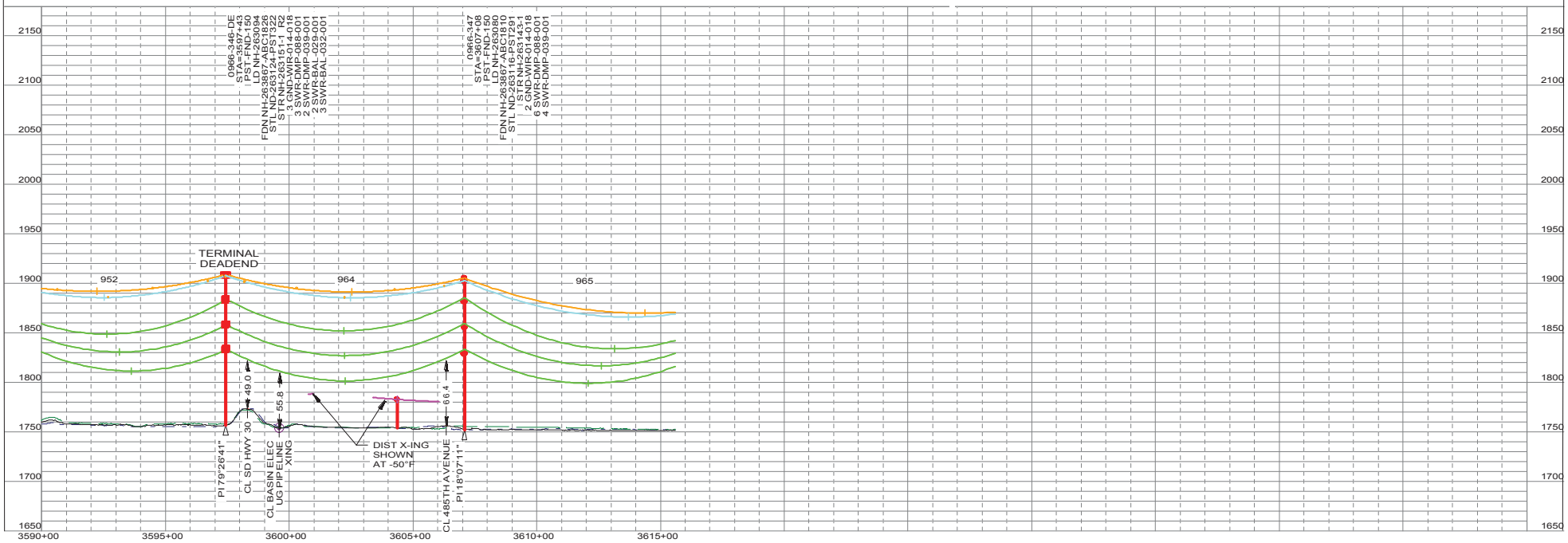
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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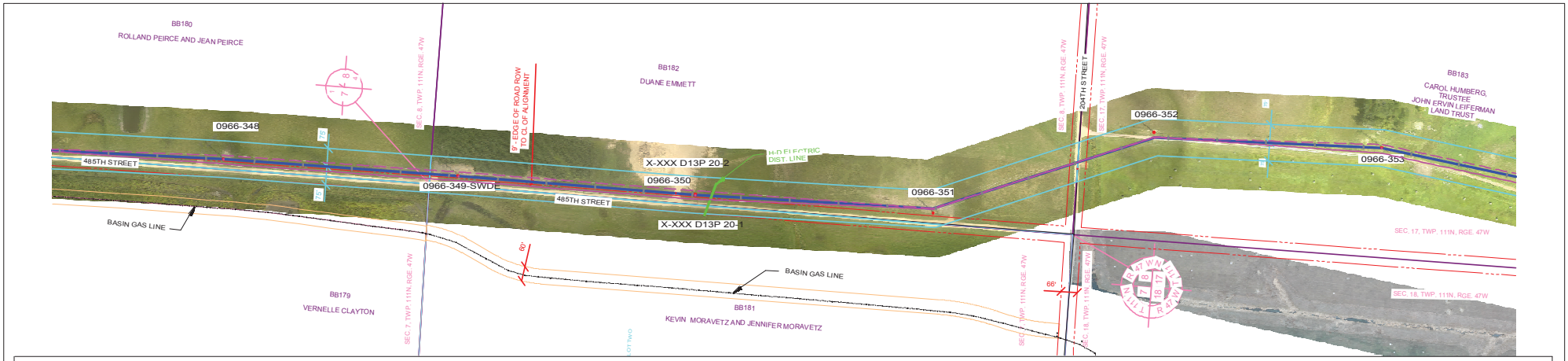
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-346-DE TO 0966-347

NH-263189- 103 OF 110 REV 5

0966_BSS-BOK 11/10/2017

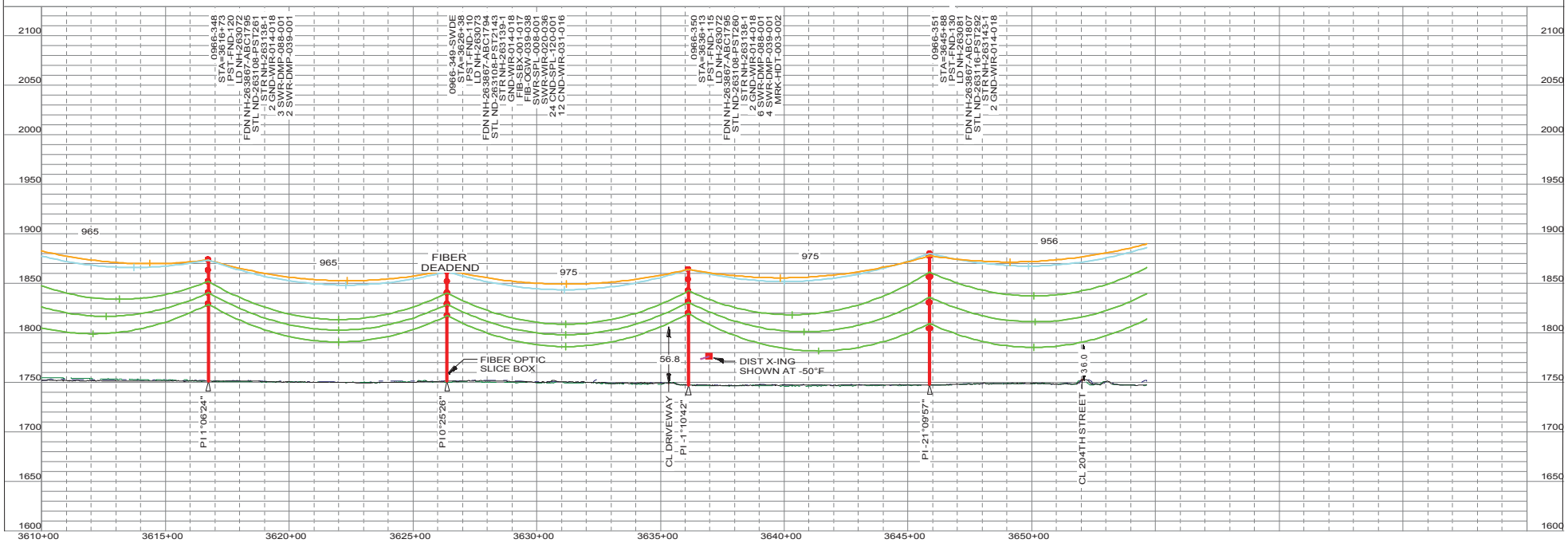


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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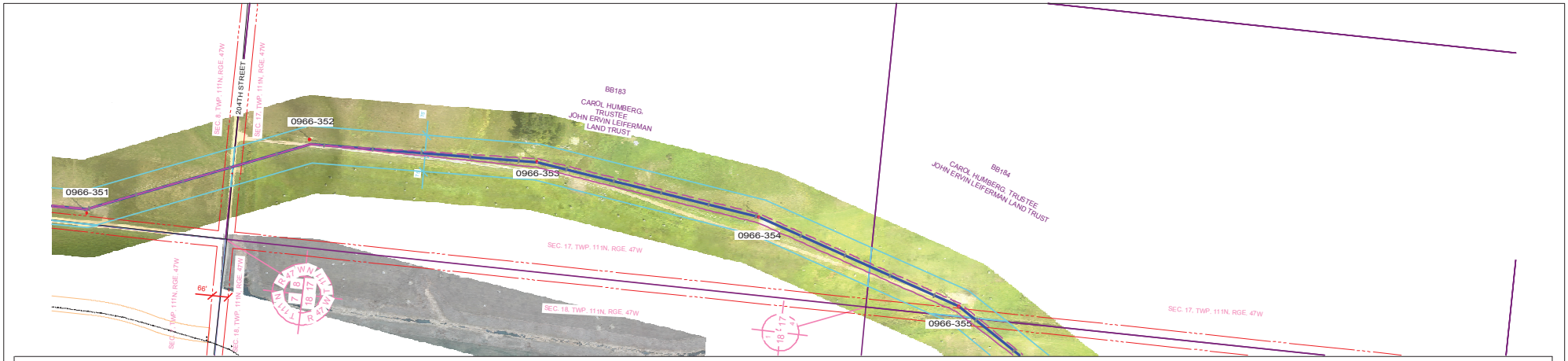
LINE 0966 345KV
BSS SUB TO BOK SUB

0966-348 TO 0966-351
OF 110
NH-263189- 104
REV 5

0966_BSS-BOK 11/10/2017

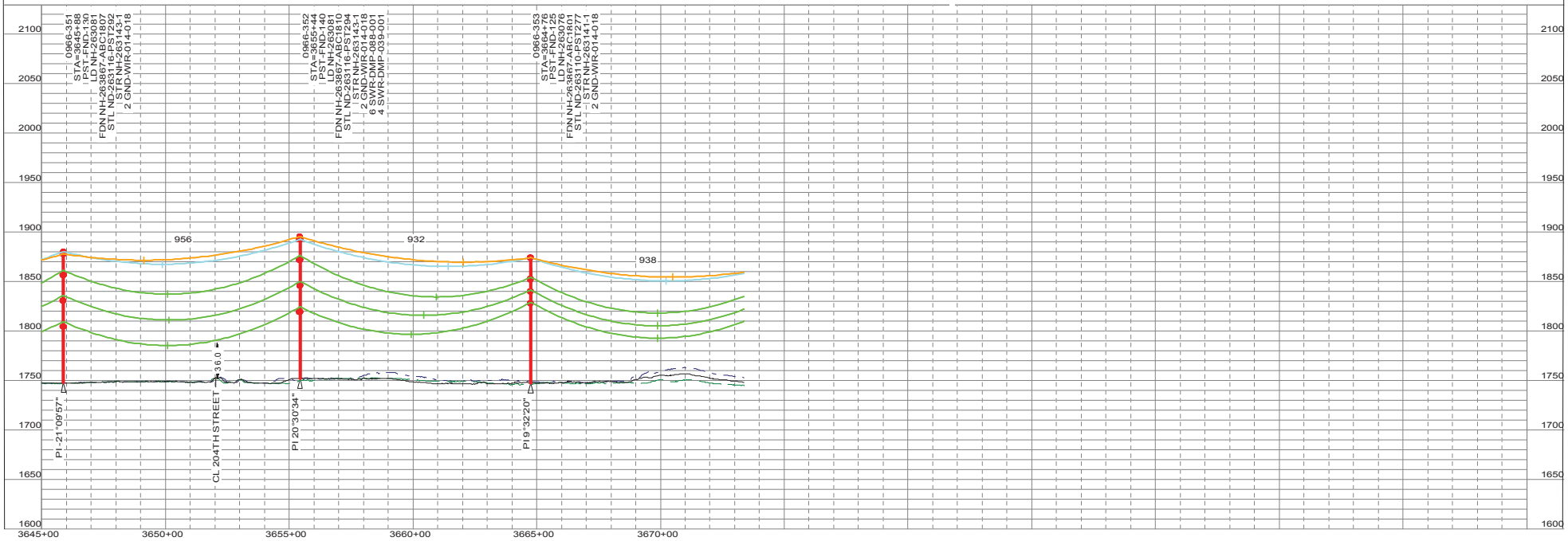


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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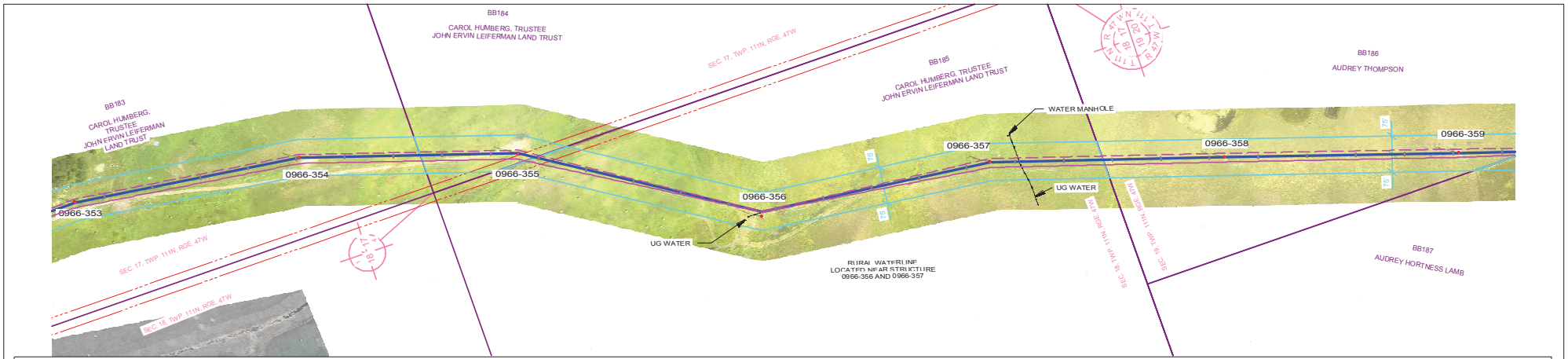
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-351 TO 0966-353
OF 110
NH-263189- 105
REV 5

0966_BSS-BOK 11/10/2017

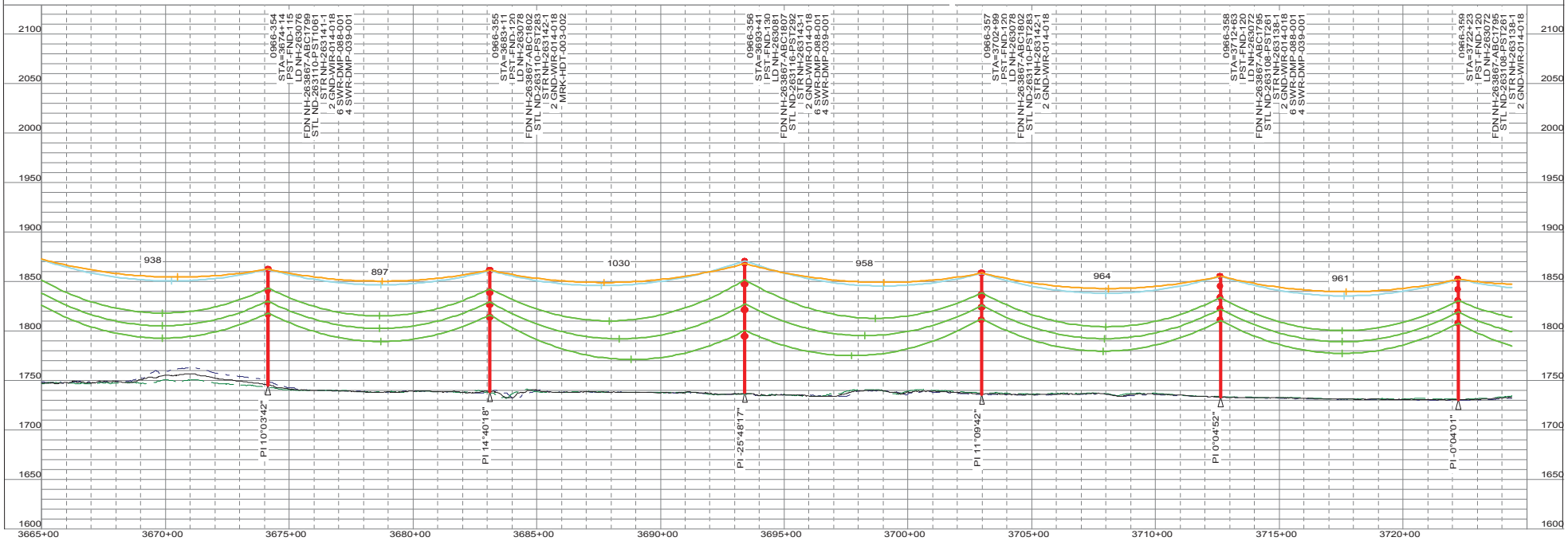


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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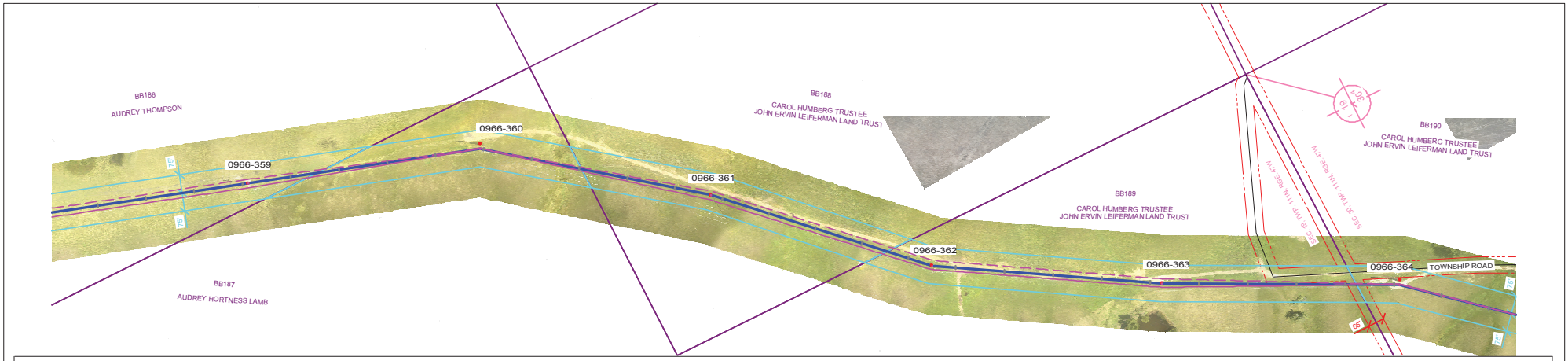
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-354 TO 0966-359
OF 110
NH-263189- 106
REV 5

0966_BSS-BOK 11/10/2017

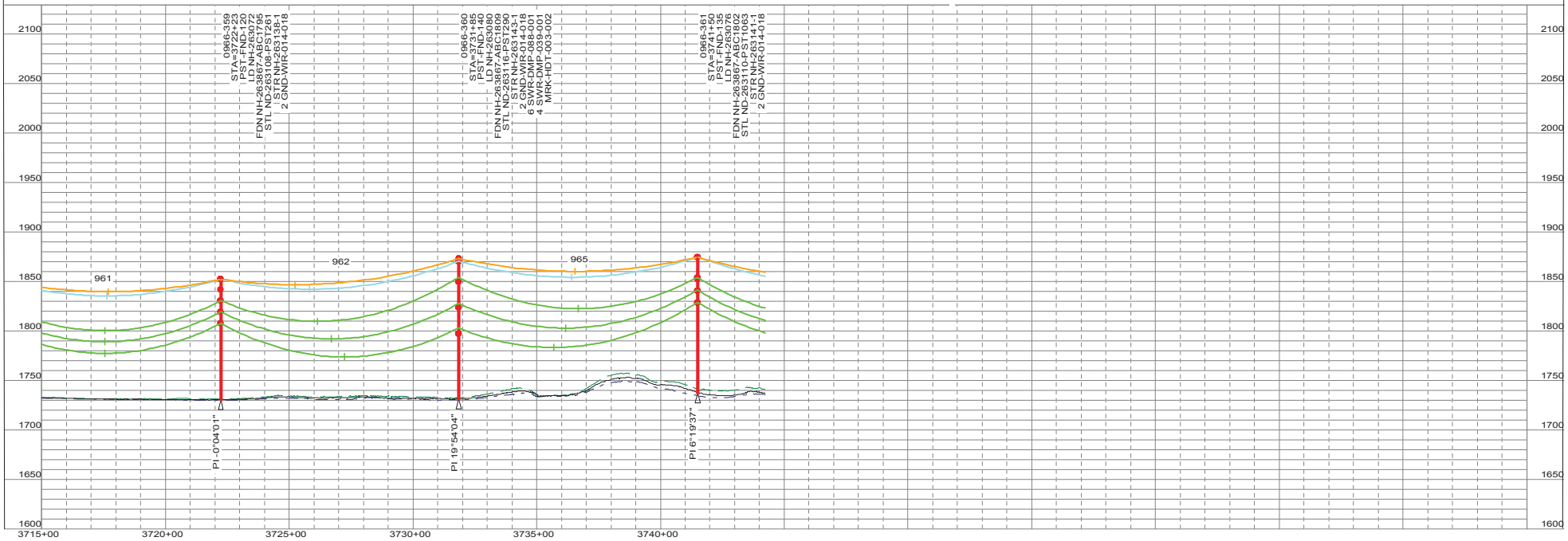


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy

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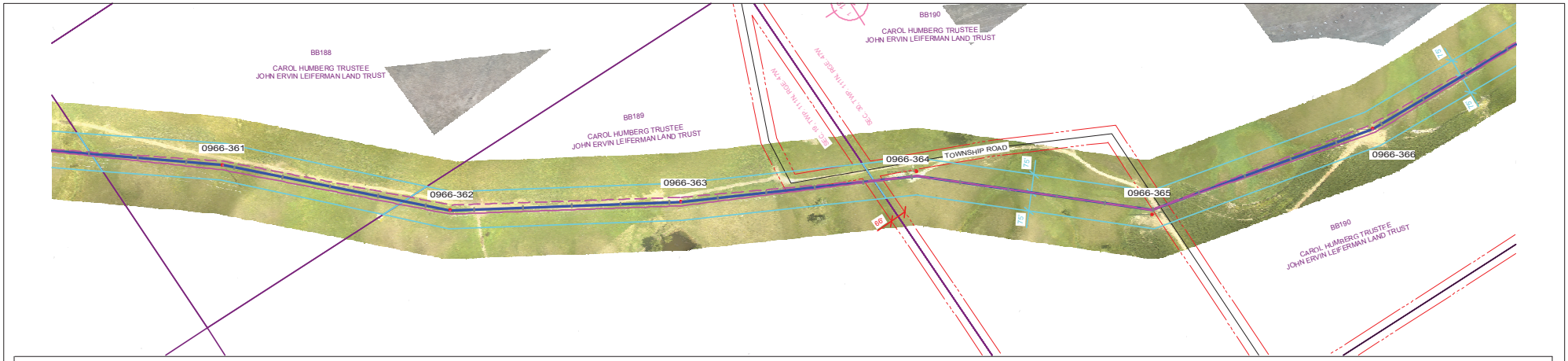
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-359 TO 0966-361
OF 110
NH-263189- 107
REV 5

0966_BSS-BOK 11/10/2017

PLS-CADD DRAWI

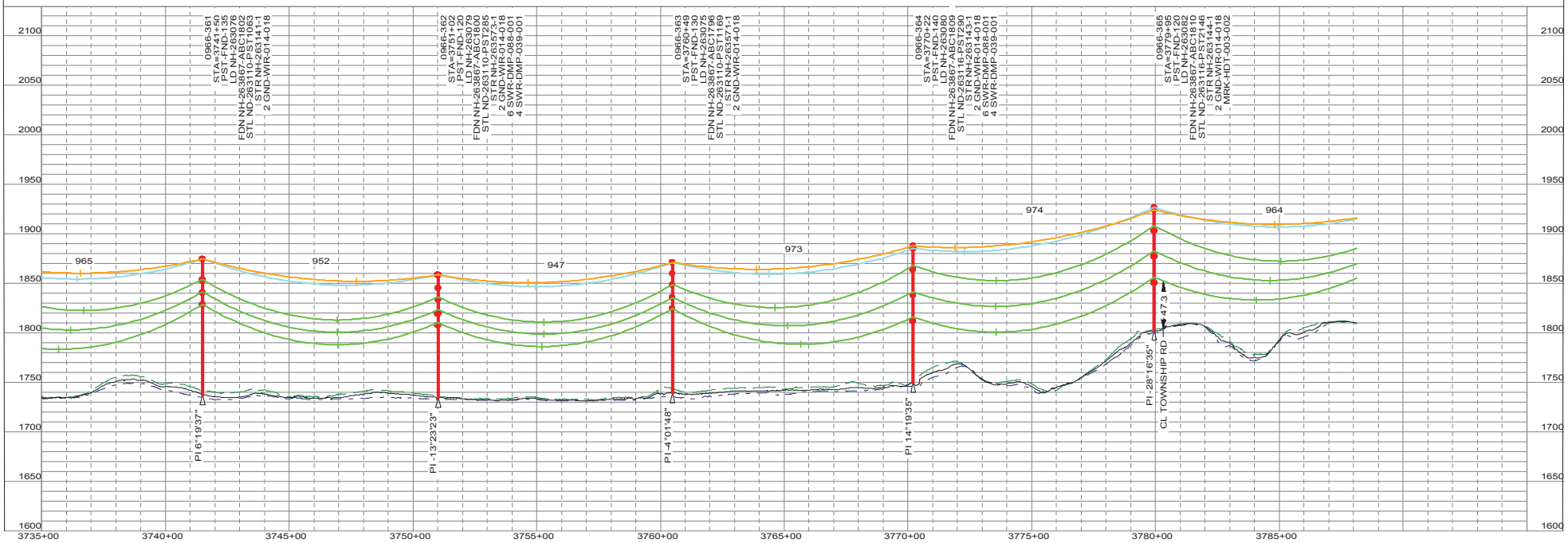


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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Xcel Energy
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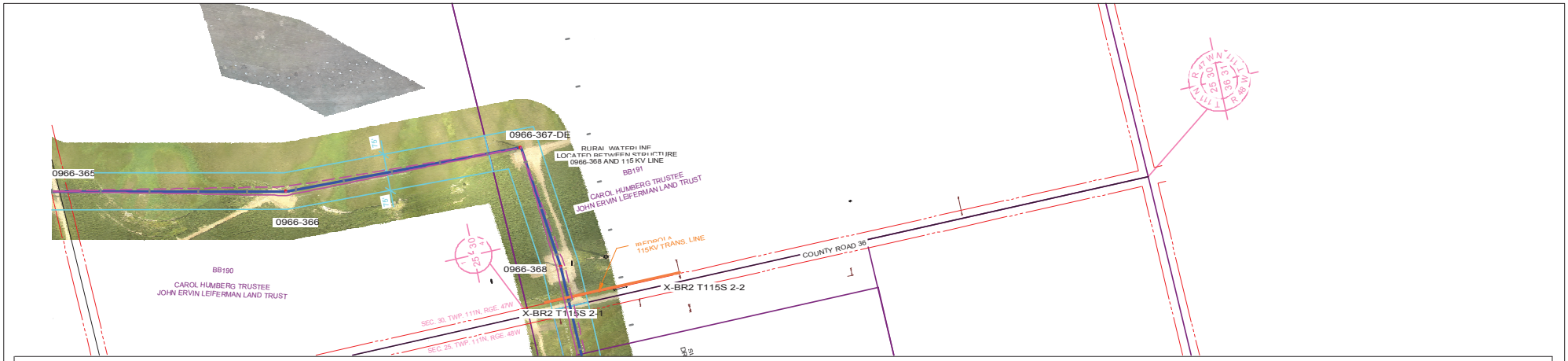
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-361 TO 0966-365
OF 110
NH-263189- 108
REV 5

0966_BSS-BOK 11/10/2017

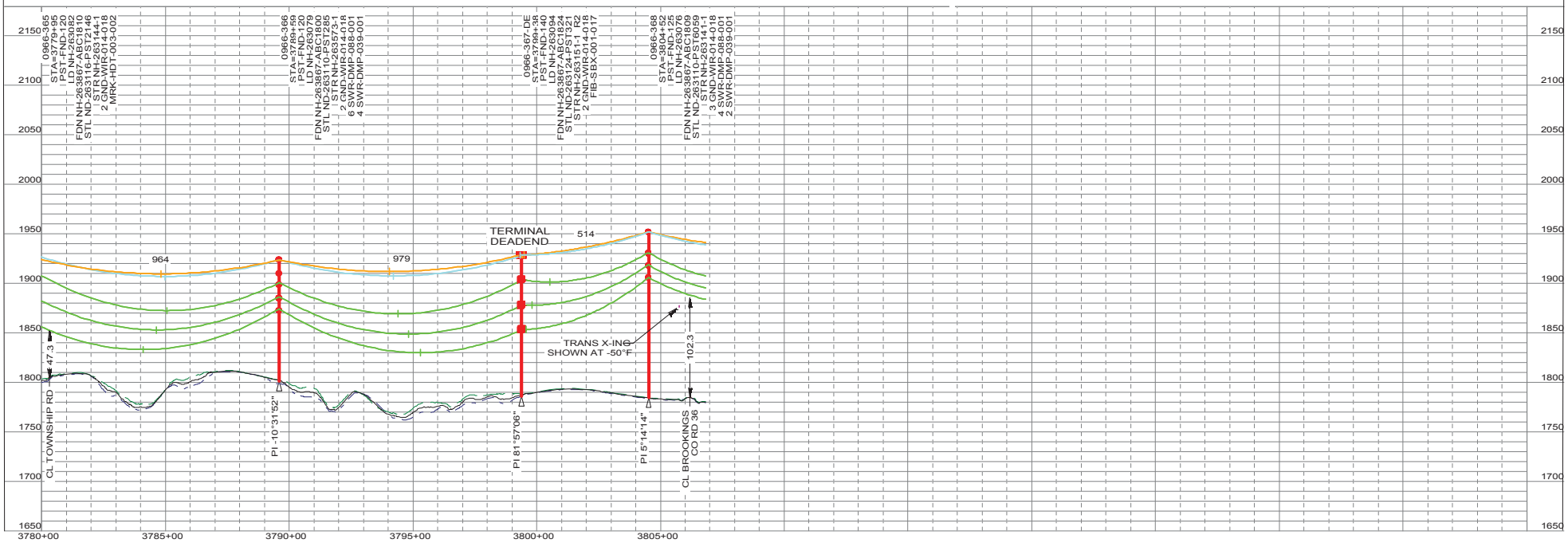


PLAN VIEW LEGEND

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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TRANSMISSION ENGINEERING DEPARTMENT
Xcel Energy
200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966
BSS SUB TO BOK SUB
345KV

0966-366 TO 0966-368
NH-263189- 109 OF 110
REV 5

0966_BSS-BOK 11/10/2017

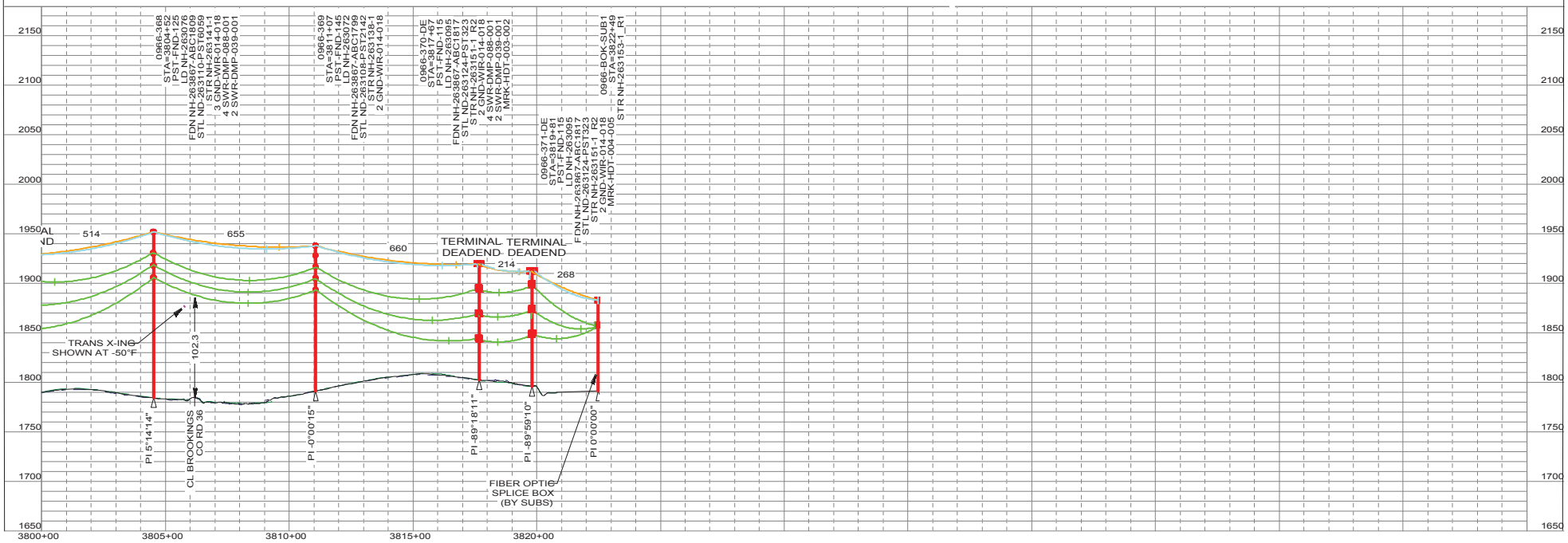
PLAN VIEW LEGEND

N

- LINE 0966 CENTERLINE
- LINE 0966 APPROX. EASEMENT
- LINE 0966 CONDUCTOR (NO WIND)
- FUTURE LINE CONDUCTOR (NO WIND)
- SDDOT ROAD INFORMATION
- TRANSMISSION CROSSING
- DISTRIBUTION CROSSING
- SECTION INFORMATION
- PROPERTY LINES
- NO ACCESS AREAS - KEEP OUT
- WETLAND

PROFILE VIEW LEGEND

- SHIELD WIRE - FIBER OPTIC
- SHIELD WIRE - 3/8" EHS STEEL
- CONDUCTOR - 556.5 KCMIL 26/7 ACSR/TP
- CONDUCTOR - FUTURE
- RIGHT SIDE PROFILE
- LEFT SIDE PROFILE
- GROUNDLINE



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TRANSMISSION ENGINEERING DEPARTMENT — Xcel Energy

200.0 FT. HORIZ. SCALE
50.0 FT. VERT. SCALE

LINE 0966 345KV
BSS SUB TO BOK SUB

0966-368 TO 0966-BOK-SUB1

NH-263189- 110 OF 110 REV 5

0966_BSS-BOK 11/10/2017