

NH-263189-1.DGN

XCEL ENERGY

ELECTRICAL TRANSMISSION LINE

BIG STONE SOUTH SUBSTATION TO BROOKINGS COUNTY SUBSTATION

LINE NUMBER 0966 - 345kV

CERTIFICATION

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

DATE: _____ (SIGNED)
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) 737-4282

CHKD: TJM DATE: _____

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

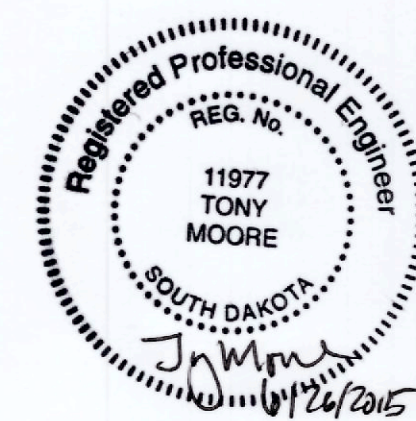
TRANSMISSION LINE LEGEND	
→	- ANCHOR
✕	- ANCHOR REMOVE
—(- PUSH BRACE
⊕	- SOIL BORING
/	- SWITCH
●	- TRANSMISSION POLE
⊗	- TRANSMISSION POLE REMOVE
■	- TRANSMISSION TOWER
⊗	- TRANSMISSION TOWER REMOVE

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



DRAWING REFERENCE

LINE RATING SHEET _____ NH-247852
PHASING DIAGRAM _____ NH-263191

THIS MAP/DRAWING 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

NH-263189-1 SCALE: NONE REV: 0

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6/24/2015 9:34:42 AM



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

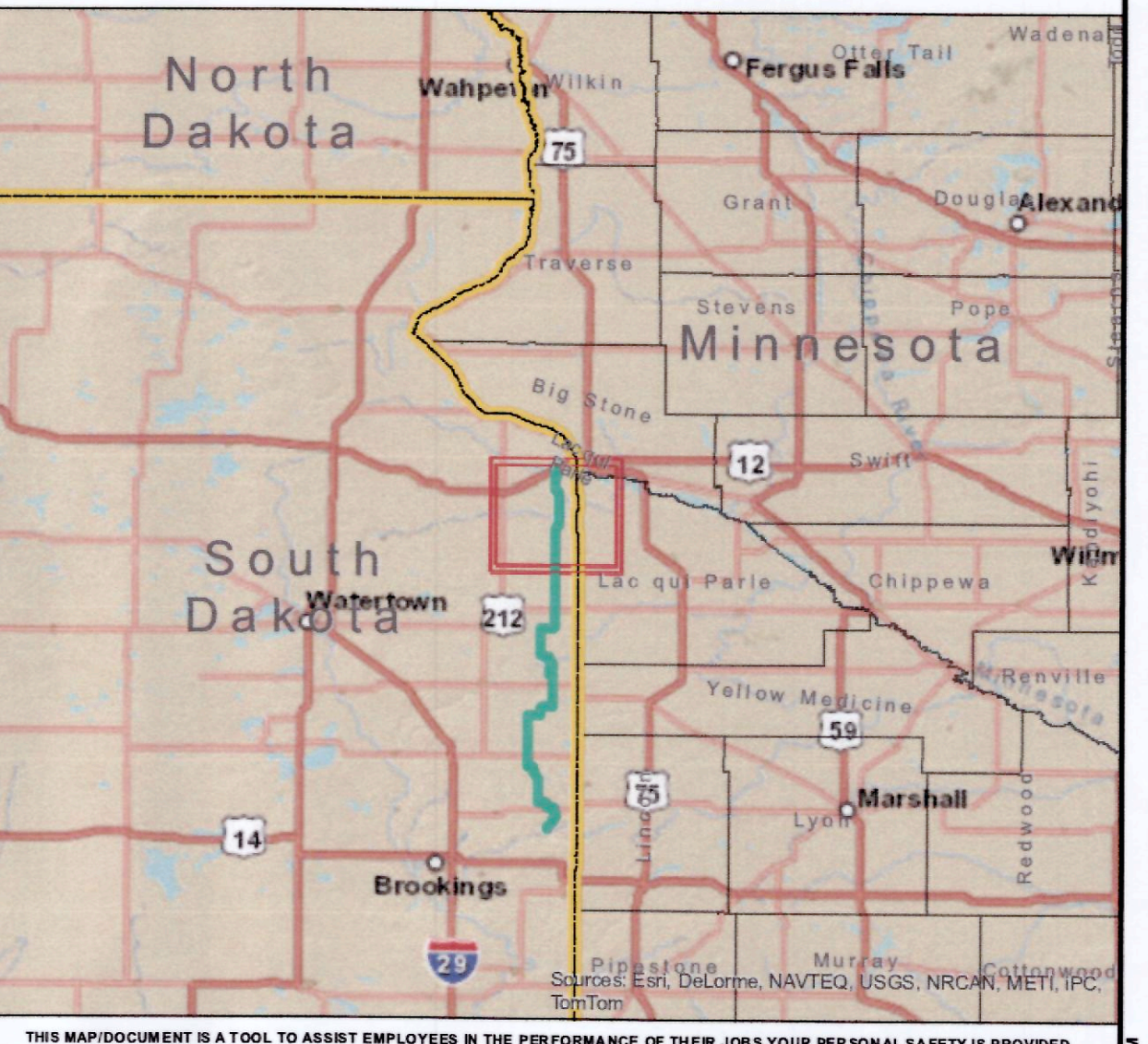
- Substations
- Model Corner Strs
- Model Centerline

Transmission Oh Cond.(kV)

Xcel Owned	Foreign Owned	Transmission Ug Cond. (kV)
34.5	34.5	34.5
44	44	44
69	69	69
88	115	115
115	161	161
138	230	230
161	Unknown	Unknown
230		
345		
500		
Unknown		

Professional Engineer Seal: Registered Professional Engineer, REG. No. 11977, TONY MOORE, SOUTH DAKOTA, dated 6/26/2015.

Scale: 0 1 2 4 Miles



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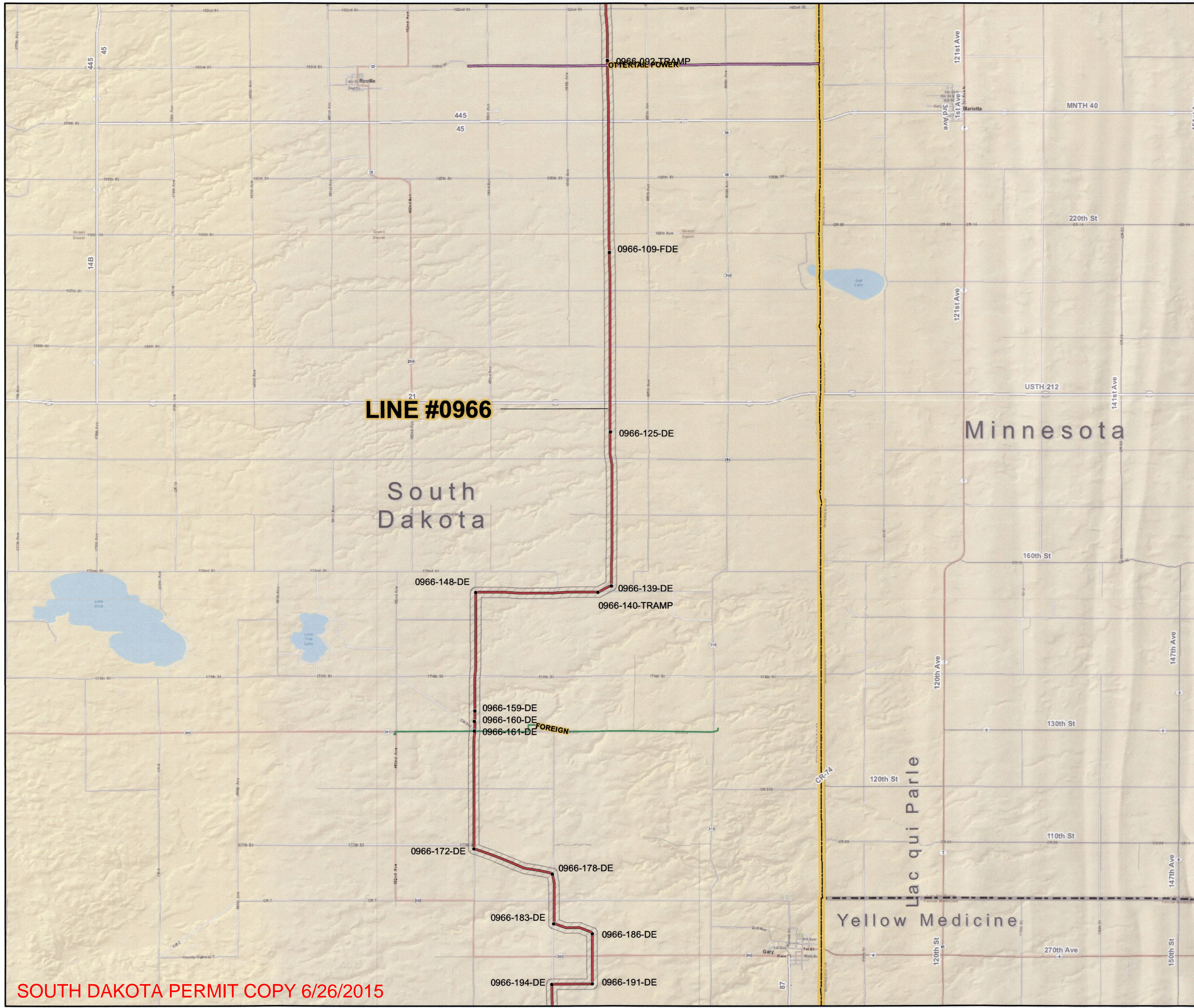
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LINE 0966 345kV

PLAN AND PROFILE - LOCATION MAP

BIG STONE SOUTH SUB TO BROOKINGS COUNTY SUB

Xcel Energy NH-263189-2-1 SCALE AS SHOWN REV 0



Legend

Landbase

- Major Highways
- Major Roads
- Local Traffic
- State Boundary
- County Boundary
- PLS-Township/Range
- PLS-Section Line
- Airport area
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Transmission Oh Cond. (kV)

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161	
230	
345	
500	
Unknown	

Transmission Ug Cond. (kV)

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44
69
115
161
230

Registered Professional Engineer
 REG. No. 11977
 TONY MOORE
 SOUTH DAKOTA

0 1 2 4 Miles

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LINE 0966 LOCATION MAP 345kV
 BIG STONE SOUTH SUB TO BROOKINGS COUNTY SUB

Xcel Energy NH-263189-2-2 SCALE AS SHOWN REV 0

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