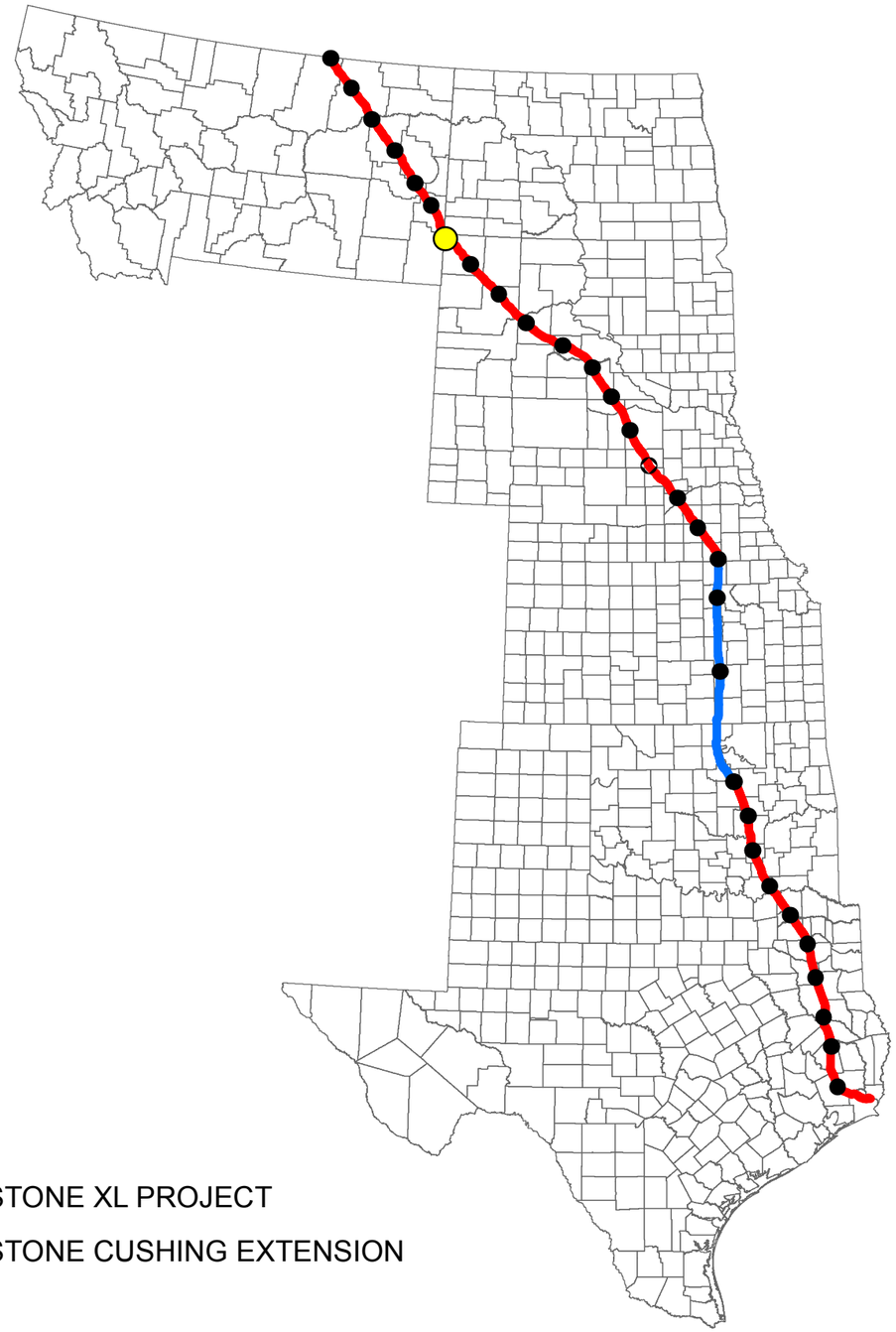

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

TransCanada Keystone Pipeline, L.P.
United States Department of State
Keystone XL Project
Appendix B
Powerline Aerial and
USGS Route Sheets
PS-15

TROW ENGINEERING CONSULTANTS, INC.
MAY 19, 2010
REVISION 2

PREPARED BY:
TROW ENGINEERING CONSULTANTS INC.
1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523

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NO.	REVISION	DATE
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1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.15.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

DRAWING NUMBER	DRAWN BY	CHECKED BY	APPROVED BY
XL-FIPS-ML-2003-P-000	AH	SS	RG

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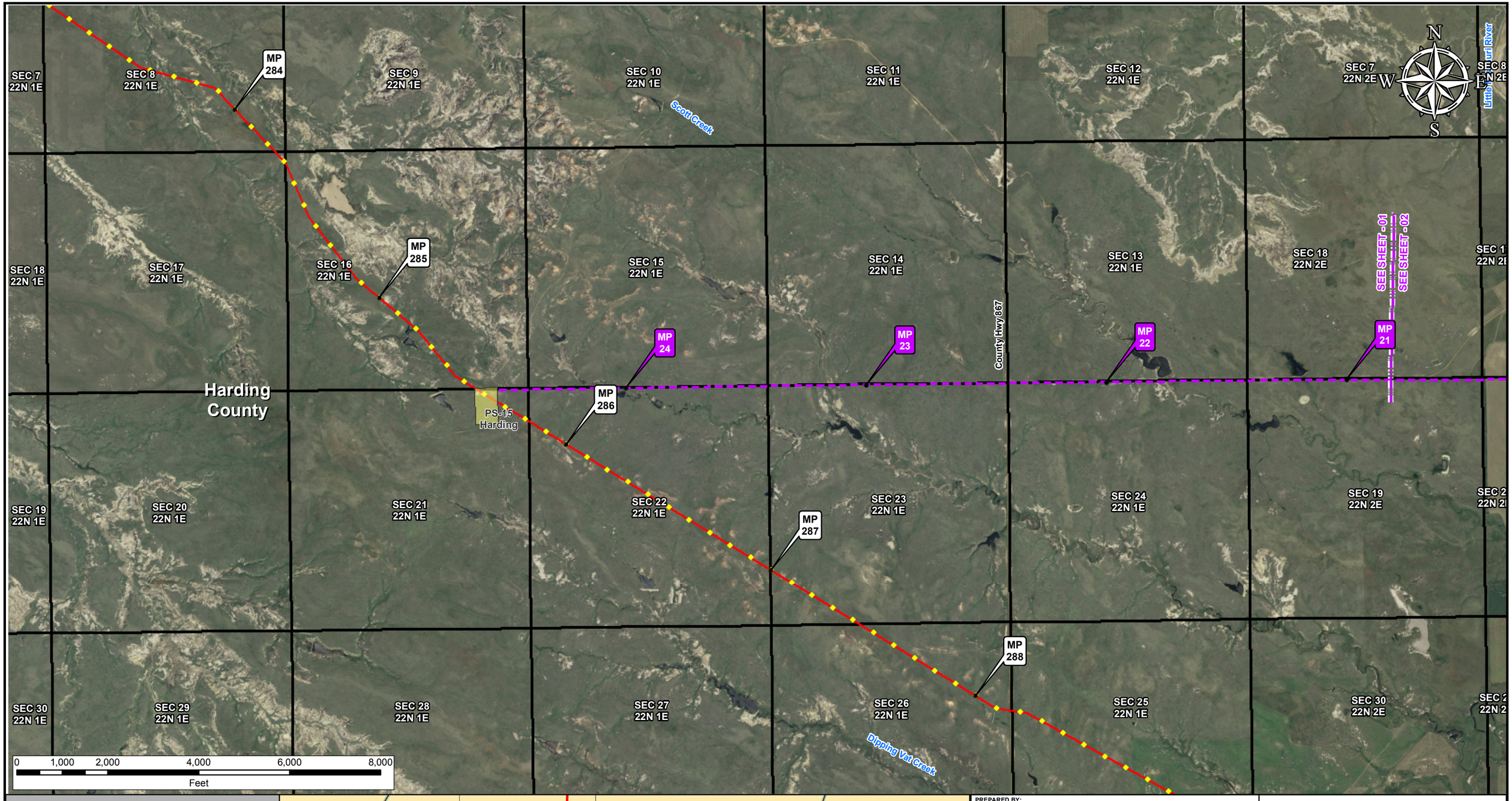
KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

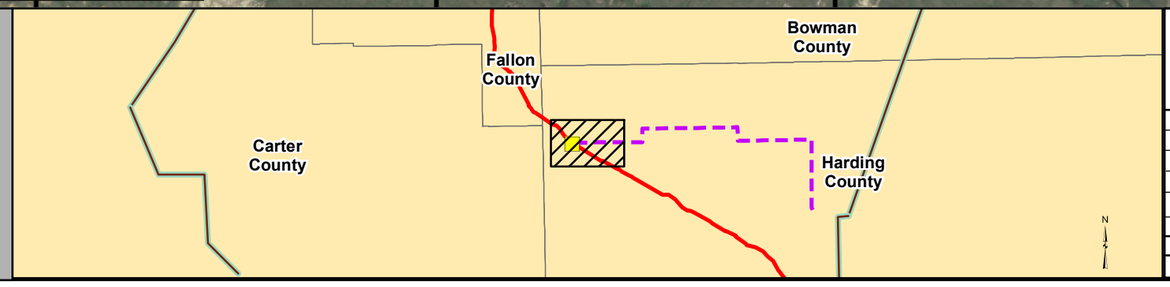
SHEET: COVER SHEET



Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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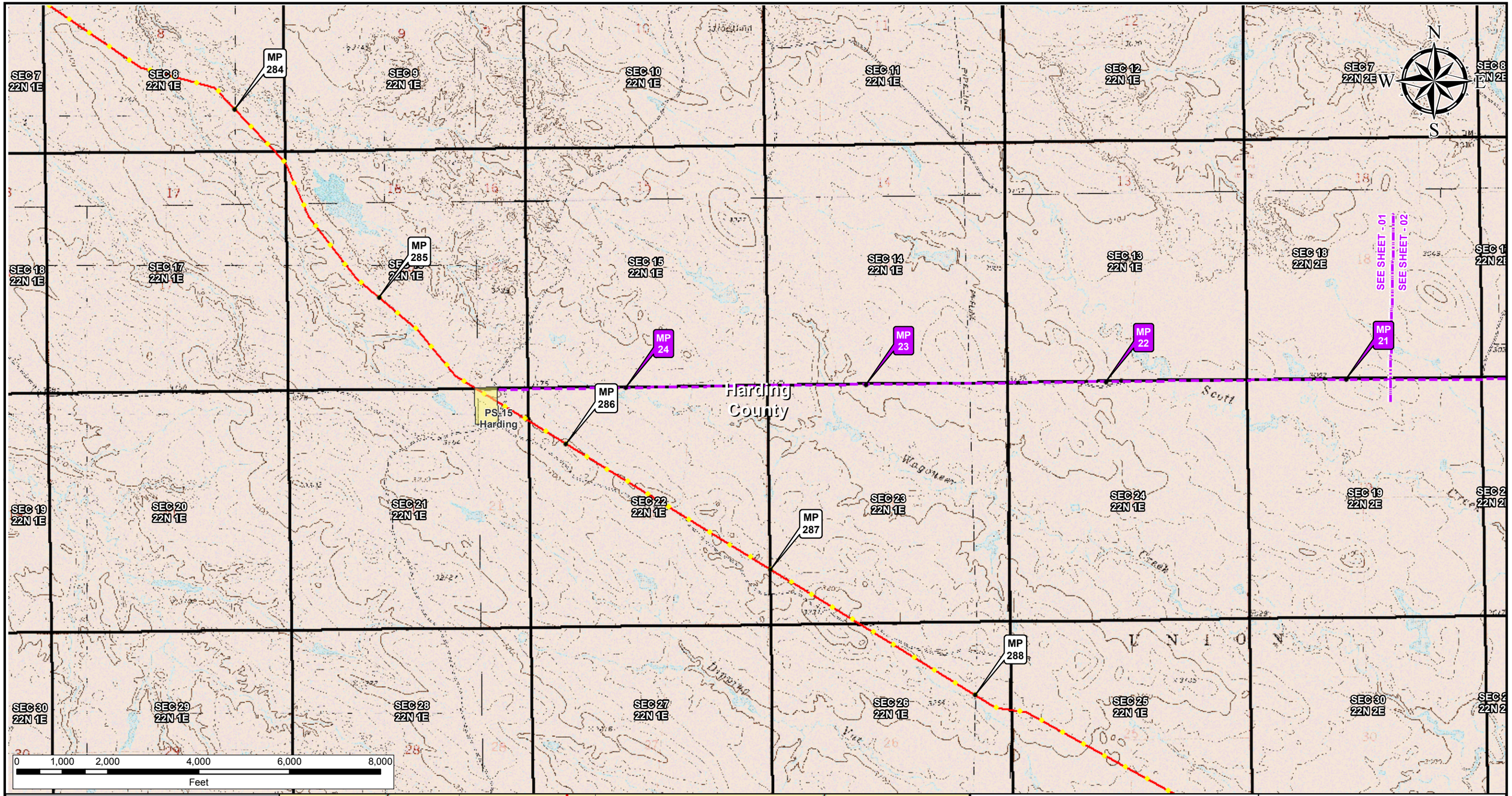
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
PROJECTION: NAD83, UTM:13N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-01 -A	01 of 07	2



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- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
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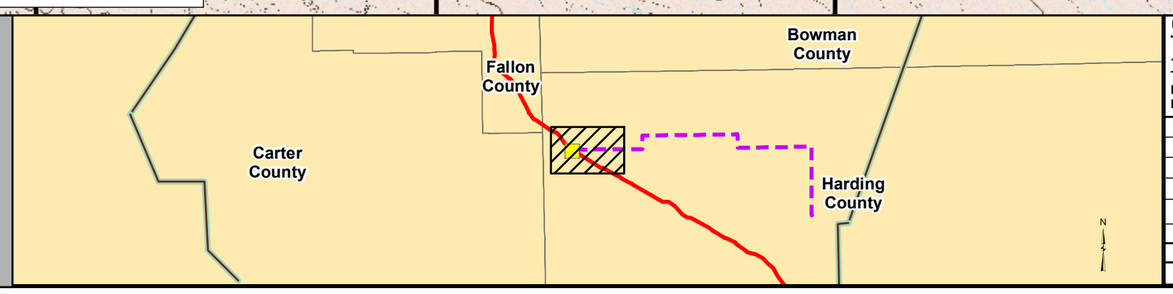

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TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
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SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-01 -Q	01 of 07	2

SEC 6 22N 2E
SEC 5 22N 2E
SEC 4 22N 2E
SEC 3 22N 2E
SEC 2 22N 2E
SEC 1 22N 2E
SEC 7 22N 2E
SEC 8 22N 2E
SEC 9 22N 2E
SEC 10 22N 2E
SEC 11 22N 2E
SEC 12 22N 2E
SEC 7 22N 3E
SEC 18 22N 2E
SEC 17 22N 2E
SEC 16 22N 2E
SEC 15 22N 2E
SEC 14 22N 2E
SEC 13 22N 2E
SEC 18 22N 3E
SEC 19 22N 2E
SEC 20 22N 2E
SEC 21 22N 2E
SEC 22 22N 2E
SEC 23 22N 2E
SEC 24 22N 2E
SEC 19 22N 3E

Little Missouri River
Little Missouri River
Dogie Creek

Harding County

MP 15
MP 16
MP 17
MP 18
MP 19
MP 20
MP 21

SEE SHEET - 01
SEE SHEET - 02
SEE SHEET - 02
SEE SHEET - 03

N
W
E
S

0 1,000 2,000 4,000 6,000 8,000
Feet

Legend

- Milepost
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- Transmission Supply Line Route
- Pump Station
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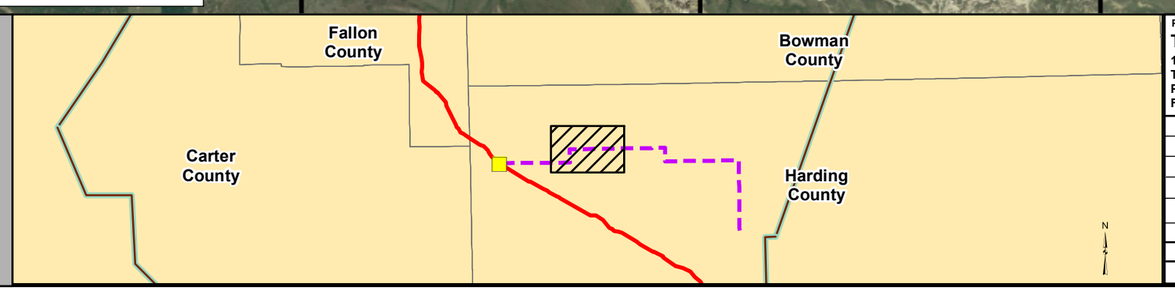

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TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
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SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-02 -A	02 of 05	2

SEC 6 22N 2E
SEC 5 22N 2E
SEC 4 22N 2E
SEC 3 22N 2E
SEC 2 22N 2E
SEC 1 22N 2E
SEC 7 22N 3E
SEC 7 22N 2E
SEC 8 22N 2E
SEC 9 22N 2E
SEC 10 22N 2E
SEC 11 22N 2E
SEC 12 22N 2E
SEC 18 22N 2E
SEC 17 22N 2E
SEC 16 22N 2E
SEC 15 22N 2E
SEC 14 22N 2E
SEC 13 22N 2E
SEC 18 22N 3E
SEC 19 22N 2E
SEC 20 22N 2E
SEC 21 22N 2E
SEC 22 22N 2E
SEC 23 22N 2E
SEC 24 22N 2E
SEC 19 22N 3E

MISSOURI

MP 15
MP 16
MP 17
MP 18
MP 19
MP 20
MP 21

Harding County

SEE SHEET - 01
SEE SHEET - 02
SEE SHEET - 03

N
W
E
S

0 1,000 2,000 4,000 6,000 8,000
Feet

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

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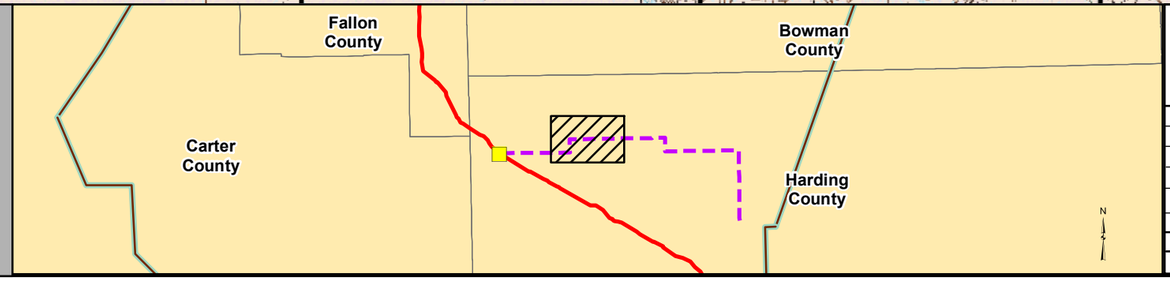

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HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
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SCALE: 1:24000 ; 1"=2000'

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AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-02 -Q	02 of 05	2

SEC 1 22N 2E
SEC 6 22N 3E
SEC 5 22N 3E
SEC 4 22N 3E
SEC 3 22N 3E
SEC 2 22N 3E
SEC 1 22N 3E
SEC 12 22N 2E
SEE SHEET - 02
SEE SHEET - 03
SEC 7 22N 3E
SEC 8 22N 3E
SEC 9 22N 3E
SEC 10 22N 3E
SEC 11 22N 3E
SEC 12 22N 3E
N
W
E
S
MP 14
MP 13
MP 12
SEC 13 22N 2E
SEC 18 22N 3E
Harding County
SEC 17 22N 3E
SEC 16 22N 3E
MP 11
SEC 15 22N 3E
North Bull Creek
SEC 14 22N 3E
SEE SHEET - 03
SEE SHEET - 04
SEC 13 22N 3E
MP 10
MP 9
MP 8
SEC 24 22N 2E
SEC 19 22N 3E
SEC 20 22N 3E
SEC 21 22N 3E
SEC 22 22N 3E
SEC 23 22N 3E
SEC 24 22N 3E
Dogie Creek
North Bull Creek
0 1,000 2,000 4,000 6,000 8,000
Feet
SEC 29 22N 3E
SEC 28 22N 3E
SEC 27 22N 3E
Smith Creek
SEC 26 22N 3E
SEC 25 22N 3E

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
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- Section Line

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Voltage
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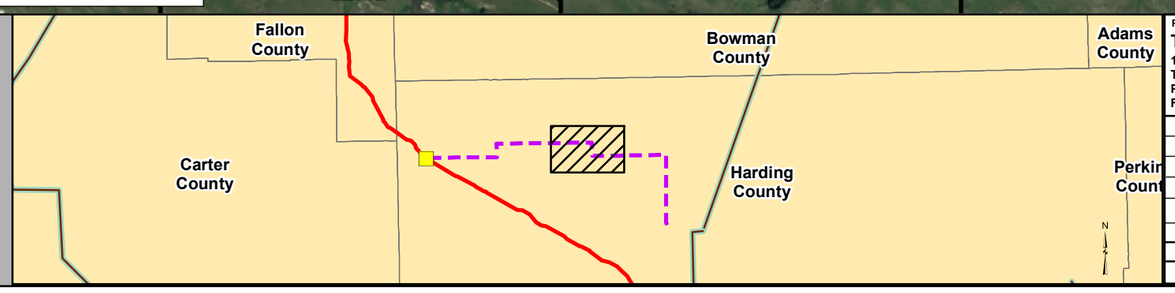

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AH	SS	RG	50388X	XL-30-ML-2003-P-15-03-A	03 of 05	2

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
PROJECTION: NAD83, UTM:13N
SCALE: 1:24000 ; 1"=2000'

SEC 1 22N 2E | SEC 6 22N 3E | SEC 5 22N 3E | SEC 4 22N 3E | SEC 3 22N 3E | SEC 2 22N 3E | SEC 1 22N 3E

SEC 7 22N 3E | SEC 8 22N 3E | SEC 9 22N 3E | SEC 10 22N 3E | SEC 11 22N 3E | SEC 12 22N 3E

SEC 12 22N 2E

SEE SHEET - 02

SEE SHEET - 03

MP 14 | MP 13 | MP 12 | MP 11 | MP 10 | MP 9 | MP 8

SEC 13 22N 2E | SEC 18 22N 3E | SEC 17 22N 3E | SEC 16 22N 3E | Harding County | SEC 15 22N 3E | SEC 14 22N 3E | SEC 13 22N 3E

SEE SHEET - 03

SEE SHEET - 04

Well

Hole

SEC 24 22N 2E | SEC 19 22N 3E | SEC 20 22N 3E | SEC 21 22N 3E | SEC 22 22N 3E | SEC 23 22N 3E | SEC 24 22N 3E

SEC 29 22N 3E | SEC 28 22N 3E | SEC 27 22N 3E | SEC 26 22N 3E | SEC 25 22N 3E

N

W E

S

0 1,000 2,000 4,000 6,000 8,000

Feet

Legend

- Milepost
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- 230kV - 344kV
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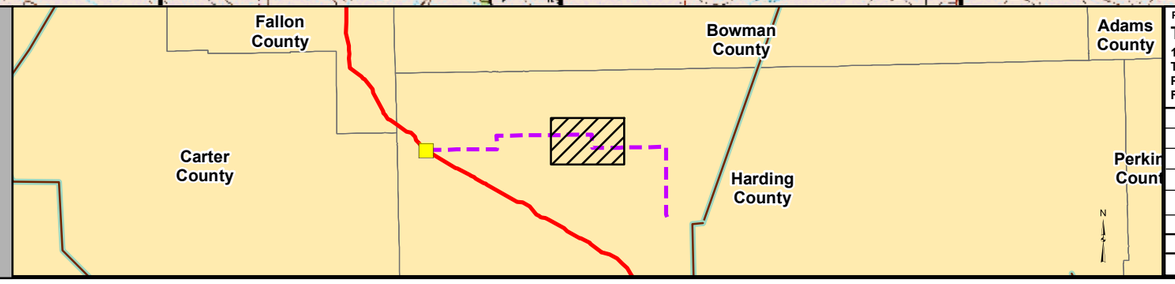

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HARDING COUNTY, SOUTH DAKOTA
PS-15

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PROJECTION: NAD83, UTM:13N
SCALE: 1:24000 ; 1"=2000'

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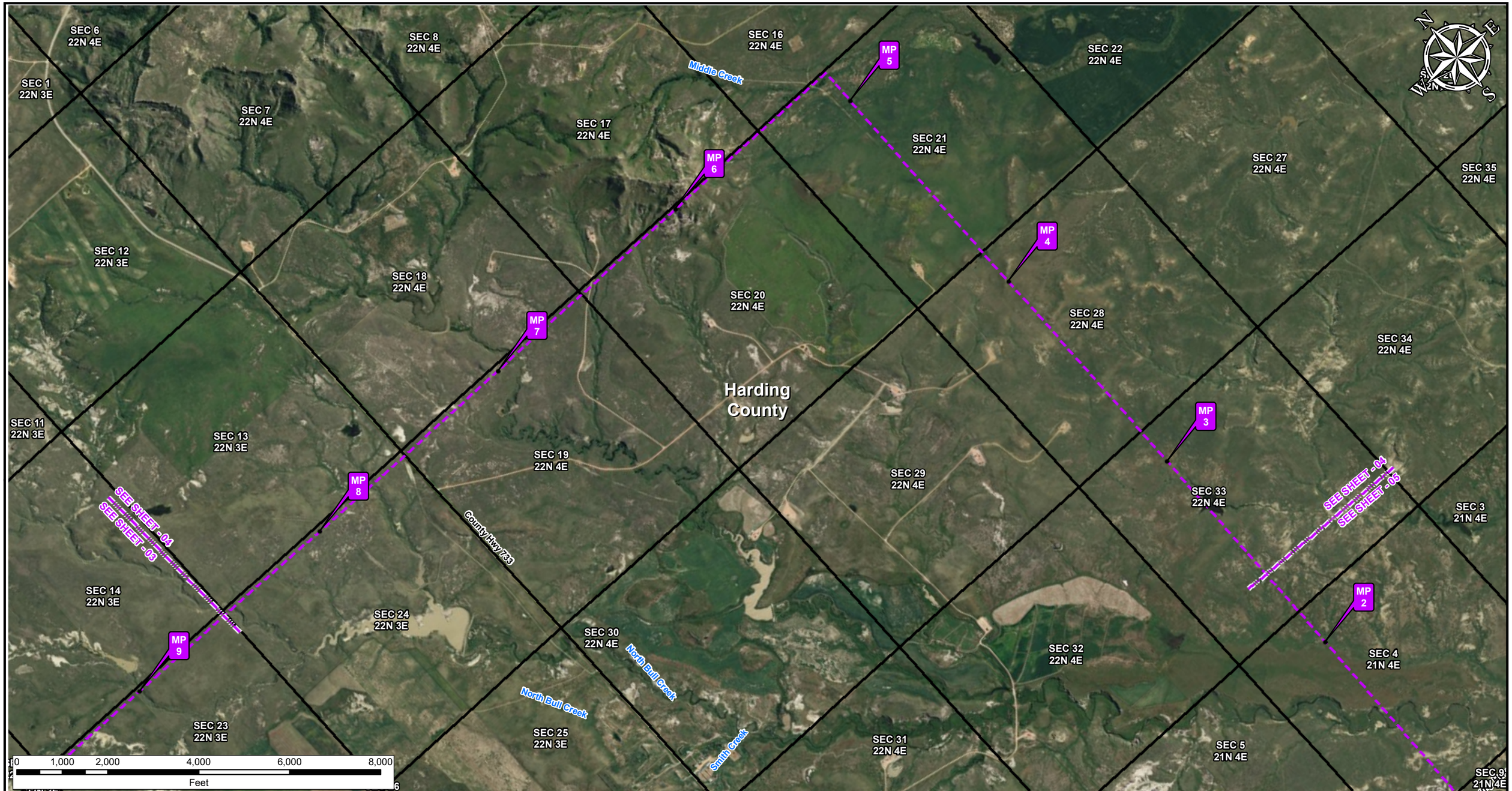
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-03 -Q	03 of 05	2



Legend

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Voltage

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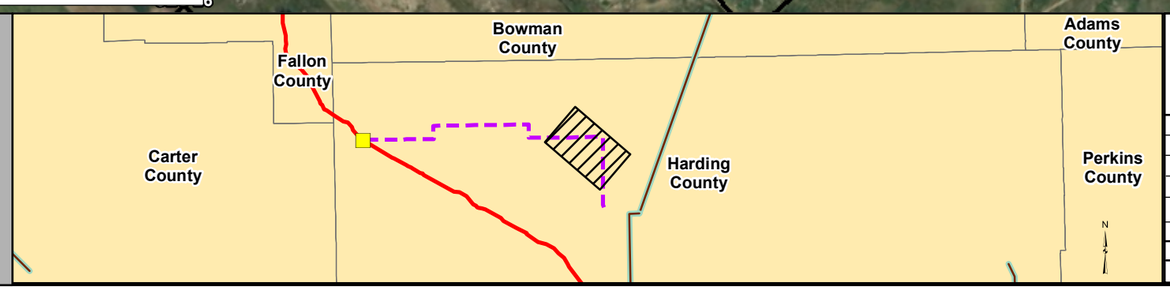

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HARDING COUNTY, SOUTH DAKOTA
PS-15

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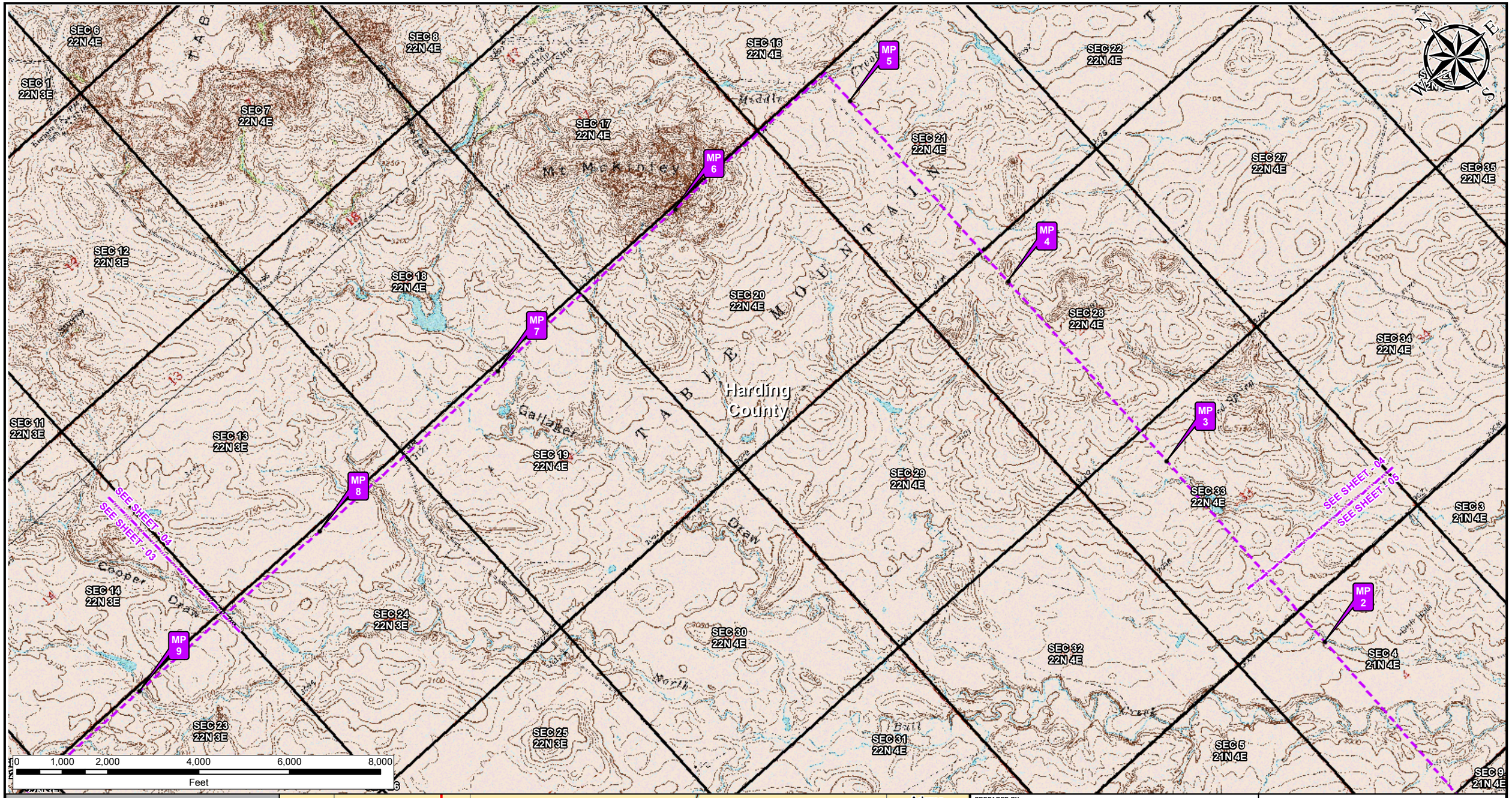
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-04 -A	04 of 05	2



Legend

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- Pump Station
- County Line
- Section Line

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Voltage
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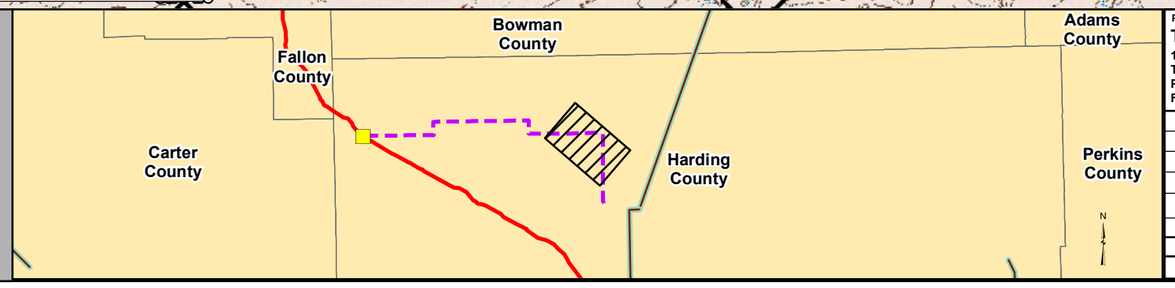

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HARDING COUNTY, SOUTH DAKOTA
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SEC 26 22N 4E
SEC 35 22N 4E
SEC 2 21N 4E
SEC 11 21N 4E
SEC 14 21N 4E
SEC 23 21N 4E
SEC 26 21N 4E
SEC 27 22N 4E
SEC 34 22N 4E
SEC 3 21N 4E
SEC 10 21N 4E
Bull Creek
Bull Creek
SEC 15 21N 4E
SEC 22 21N 4E
SEC 27 21N 4E
SEC 34 21N 4E
N
E
S
W
SEE SHEET - 04
SEE SHEET - 05
Harding County
SEC 28 22N 4E
MP 3
SEC 4 21N 4E
MP 2
SEC 9 21N 4E
MP 1
South Bull Creek
SEC 16 21N 4E
MP 0
Cottonwood Creek
SEC 21 21N 4E
Boot Creek
SEC 28 21N 4E
SEC 33 22N 4E
North Bull Creek
North Bull Creek
SEC 29 22N 4E
SEC 32 22N 4E
SEC 5 21N 4E
County Hwy 737
SEC 8 21N 4E
SEC 17 21N 4E
SEC 20 21N 4E
SEC 29 21N 4E
Cottonwood Creek
SEC 6 21N 4E
SEC 7 21N 4E
SEC 18 21N 4E
SEC 19 21N 4E
SEC 30 21N 4E
0 1,000 2,000 4,000 6,000 8,000
Feet

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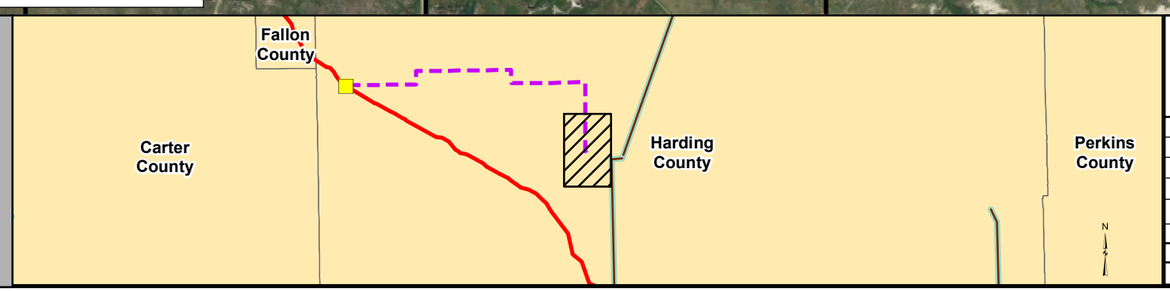

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TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

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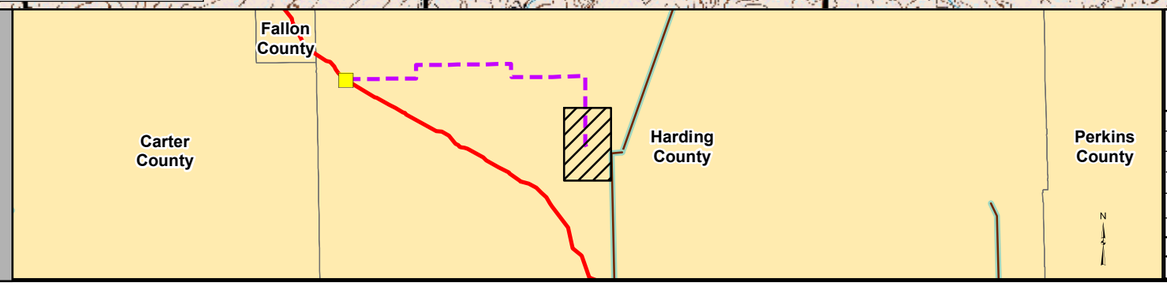
SEC 26 22N 4E
SEC 35 22N 4E
SEC 2 21N 4E
SEC 11 21N 4E
SEC 14 21N 4E
SEC 23 21N 4E
SEC 26 21N 4E
SEC 27 22N 4E
SEC 34 22N 4E
SEC 3 21N 4E
SEC 10 21N 4E
SEC 15 21N 4E
SEC 22 21N 4E
SEC 27 21N 4E
SEC 34 21N 4E
SEE SHEET - 04
SEE SHEET - 05
MP 3
MP 2
MP 0
SEC 28 22N 4E
SEC 33 22N 4E
SEC 4 21N 4E
SEC 9 21N 4E
Harding County
SEC 16 21N 4E
SEC 21 21N 4E
SEC 28 21N 4E
SEC 29 22N 4E
SEC 32 22N 4E
SEC 5 21N 4E
SEC 8 21N 4E
SEC 17 21N 4E
SEC 20 21N 4E
SEC 29 21N 4E
SEC 6 21N 4E
SEC 7 21N 4E
SEC 18 21N 4E
SEC 19 21N 4E
SEC 30 21N 4E

0 1,000 2,000 4,000 6,000 8,000
Feet

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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NO.	REVISION	DATE
2	ISSUED FOR DEIS FILING (03.26.10 CL)	5.19.10
1	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2/19/09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

TransCanada
In business to deliver

KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-15

MAP PARAMETERS
PROJECTION: NAD83, UTM:13N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 30-ML-2003-P- 15-05 -Q	05 of 05	2