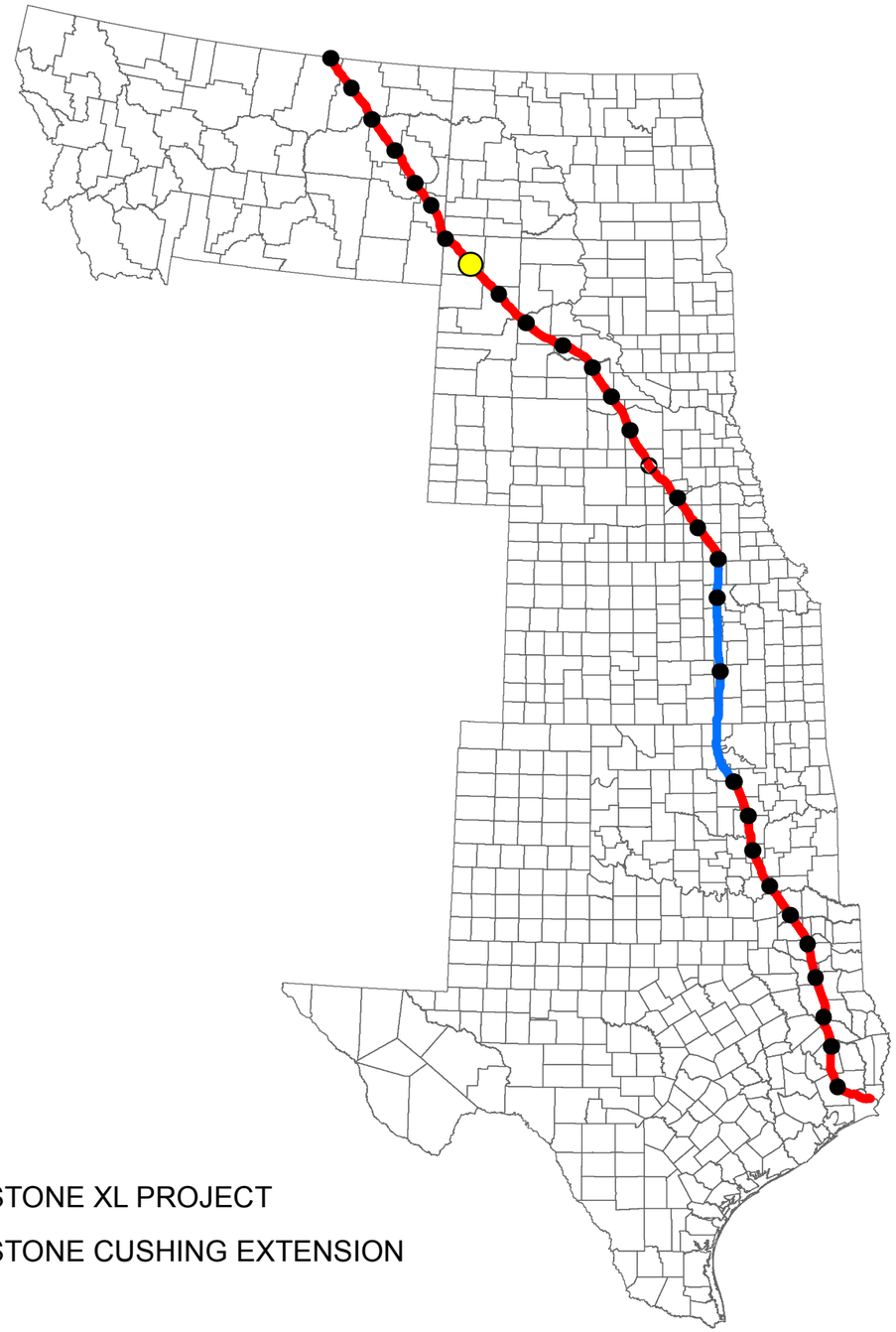
TransCanada Keystone Pipeline, L.P.
United States Department of State
Keystone XL Project
Appendix B
Powerline Aerial and
USGS Route Sheets
PS-16



KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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

Trow

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 (2.15.09 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

SEC 26 17N 6E
SEC 23 17N 6E
SEC 14 17N 6E
SEC 11 17N 6E
SEC 2 17N 6E
SEC 35 18N 6E
SEC 26 18N 6E
SEC 25 17N 6E
SEC 24 17N 6E
SEC 13 17N 6E
SEC 12 17N 6E
SEC 1 17N 6E
SEC 36 18N 6E
SEC 25 18N 6E
SEC 30 17N 7E
SEC 19 17N 7E
SEC 18 17N 7E
SEC 7 17N 7E
SEC 6 17N 7E
SEC 31 18N 7E
SEC 30 18N 7E
SEC 29 17N 7E
SEC 20 17N 7E
SEC 17 17N 7E
SEC 8 17N 7E
SEC 5 17N 7E
SEC 32 18N 7E
SEC 29 18N 7E

Harding County

Wolf Creek

West Squaw Creek

East Squaw Creek

East Squaw Creek

PS-16 Buffalo

MP 330
MP 331
MP 332
MP 333
MP 334
MP 35
MP 36
MP 37
MP 38
MP 39
MP 40

SEE SHEET - 01
SEE SHEET - 02

W S N E

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

Carter County

Harding County

Perkins County

N

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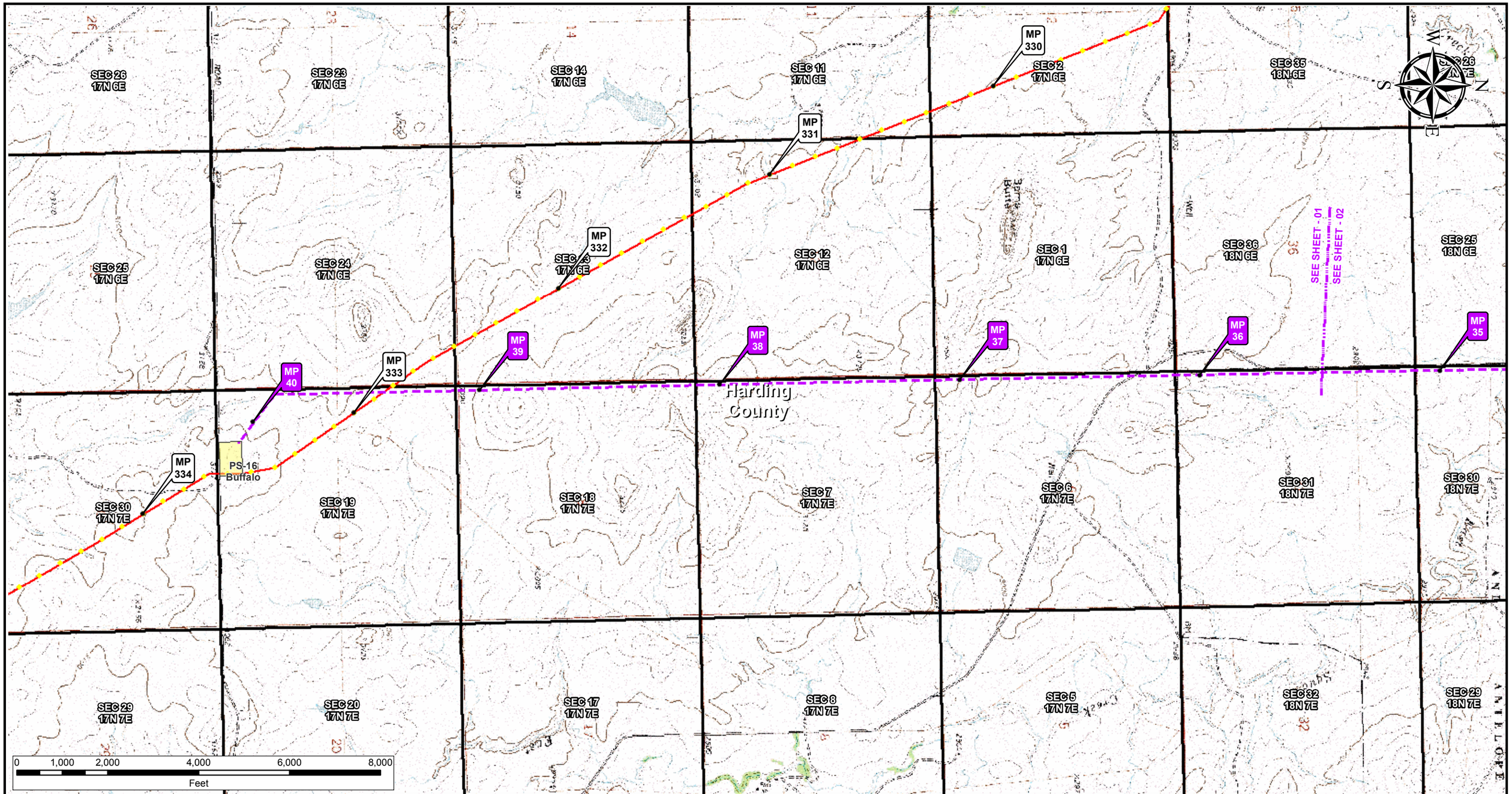
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-16

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- 46-ML-2003-P- 16-01 -A	01 of 08	2



Legend

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

Electric Lines

Voltage

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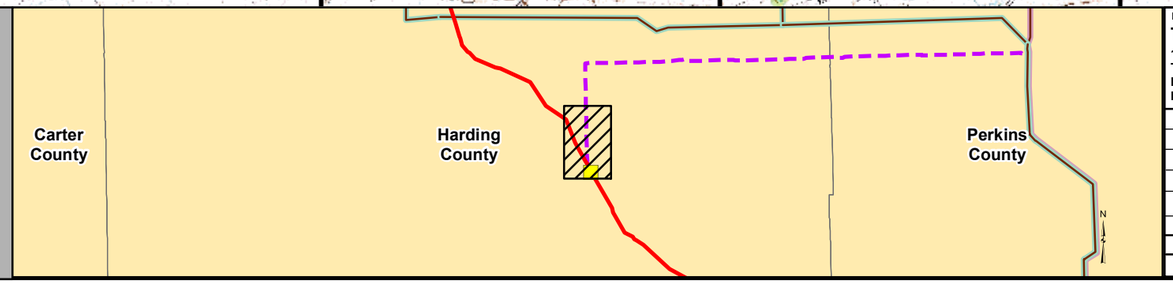

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-16

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- 46-ML-2003-P- 16-01 -Q	01 of 08	2

SEC 22 18N 6E
SEC 14 18N 6E
SEC 12 18N 6E
SEC 6 18N 7E
SEC 32 17N 7E
SEC 27 18N 6E
SEC 23 18N 6E
SEC 13 18N 6E
SEC 7 18N 7E
SEC 5 18N 7E
SEC 26 18N 6E
SEC 24 18N 6E
SEC 18 18N 7E
SEC 8 18N 7E
SEC 4 18N 7E
SEC 35 18N 6E
SEC 25 18N 6E
SEC 19 18N 7E
SEC 17 18N 7E
SEC 9 18N 7E
SEC 3 18N 7E
SEC 36 18N 6E
SEC 30 18N 7E
SEC 20 18N 7E
SEC 16 18N 7E
SEC 10 18N 7E
SEC 31 18N 7E
SEC 29 18N 7E
SEC 21 18N 7E
SEC 15 18N 7E
SEC 11 18N 7E
SEC 1 17N 6E
SEC 32 18N 7E
SEC 28 18N 7E
SEC 22 18N 7E
SEC 14 18N 7E

Harding County

MP 32
MP 33
MP 31
MP 34
MP 30
MP 35
MP 29
MP 36
MP 28

West Squaw Creek
East Squaw Creek
Squaw Creek
Sioux Creek
State Hwy 20

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

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

Legend

- Milepost
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- County Line
- Section Line

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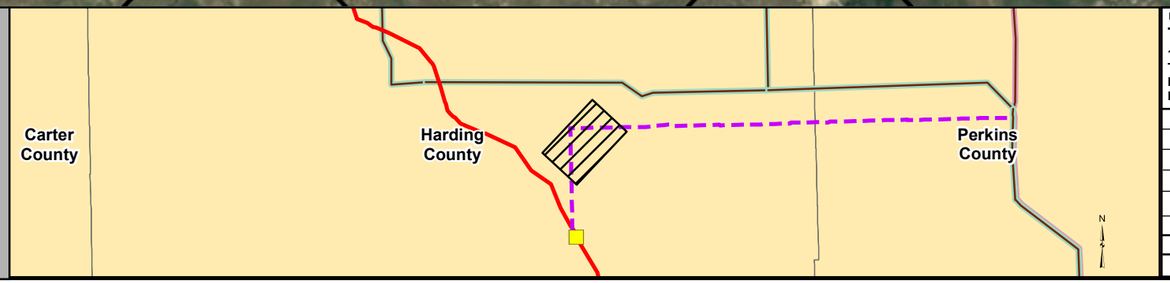

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TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-16

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

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
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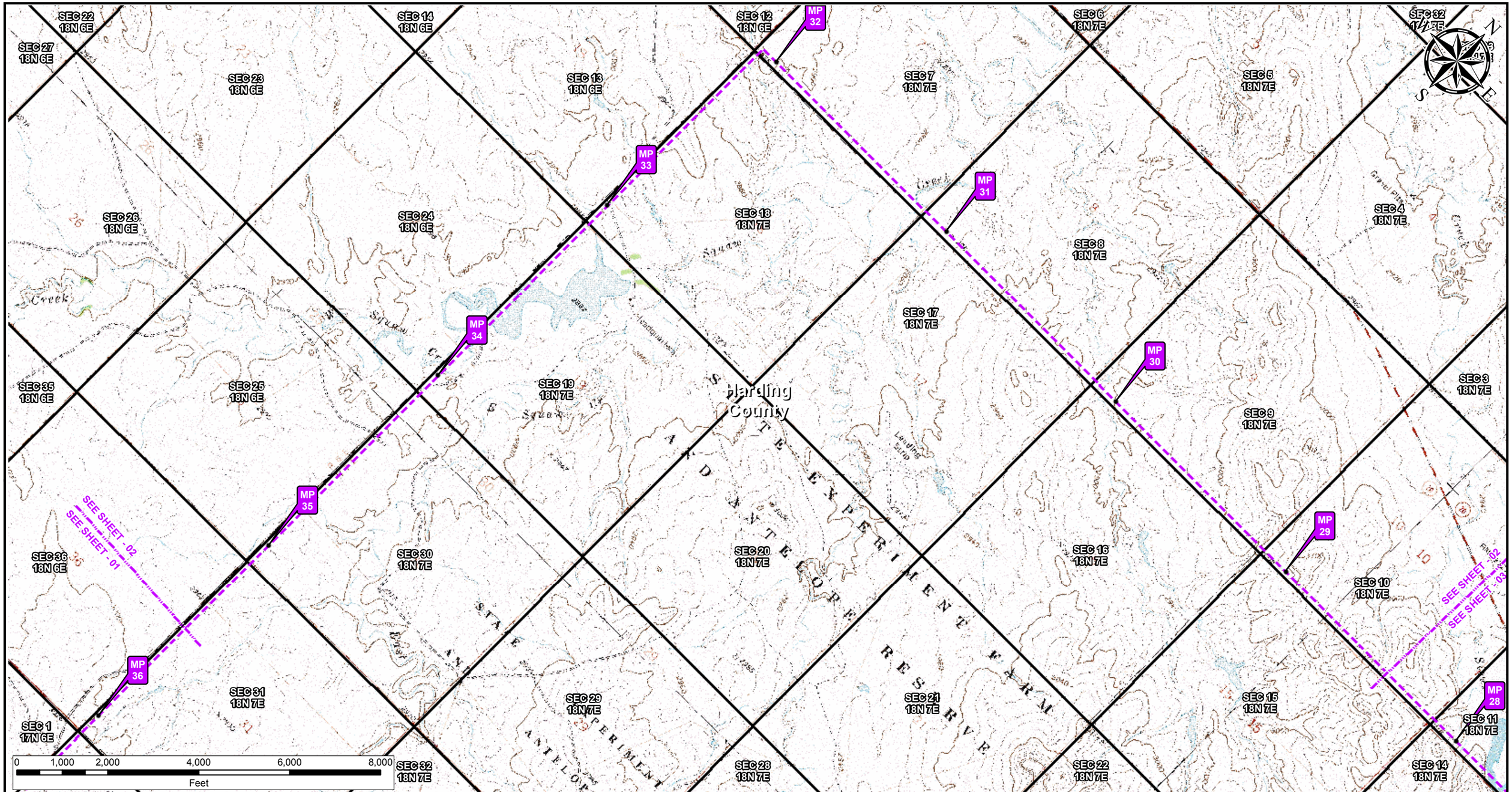

Legend

- Milepost
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Voltage

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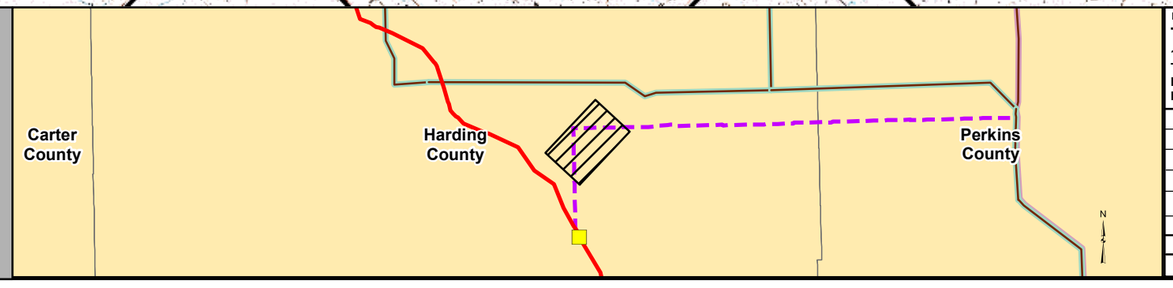

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
PS-16

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

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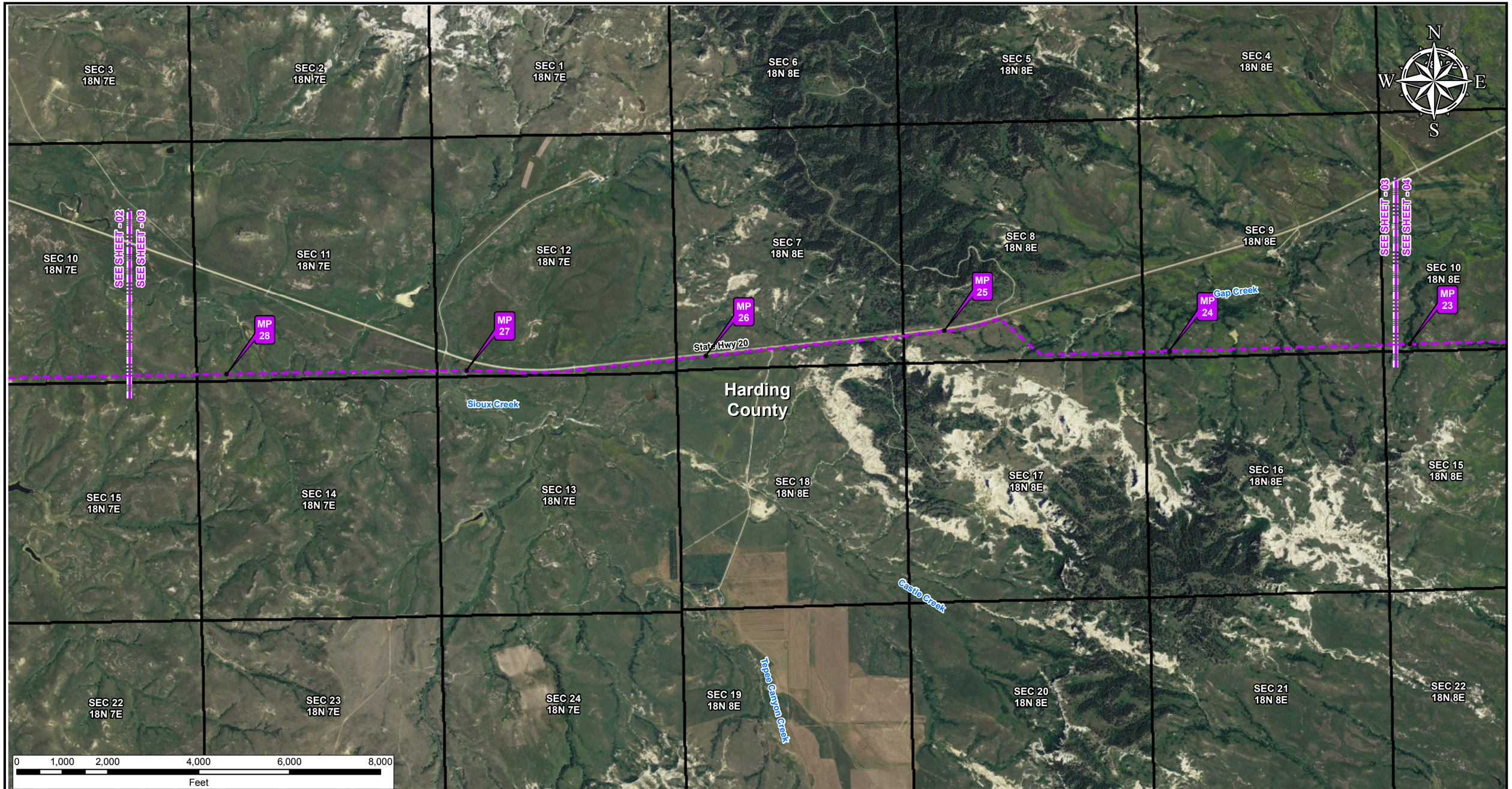
AH	SS	RG	50388X	XL- 46-ML-2003-P- 16-02 -Q	02 of 08	2



Legend

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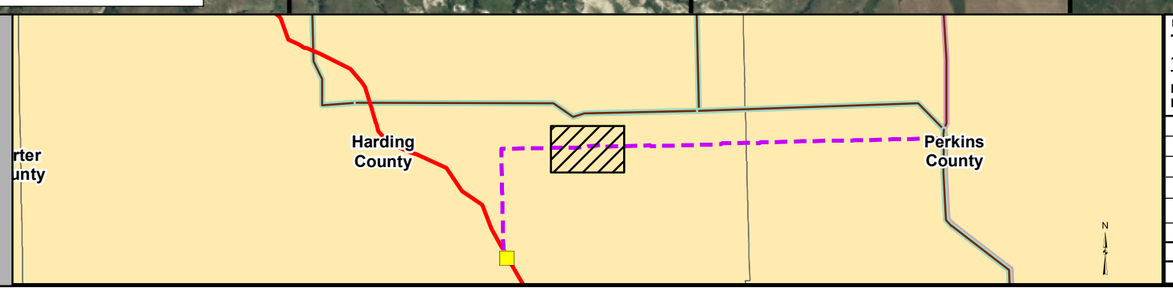

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HARDING COUNTY, SOUTH DAKOTA
PS-16

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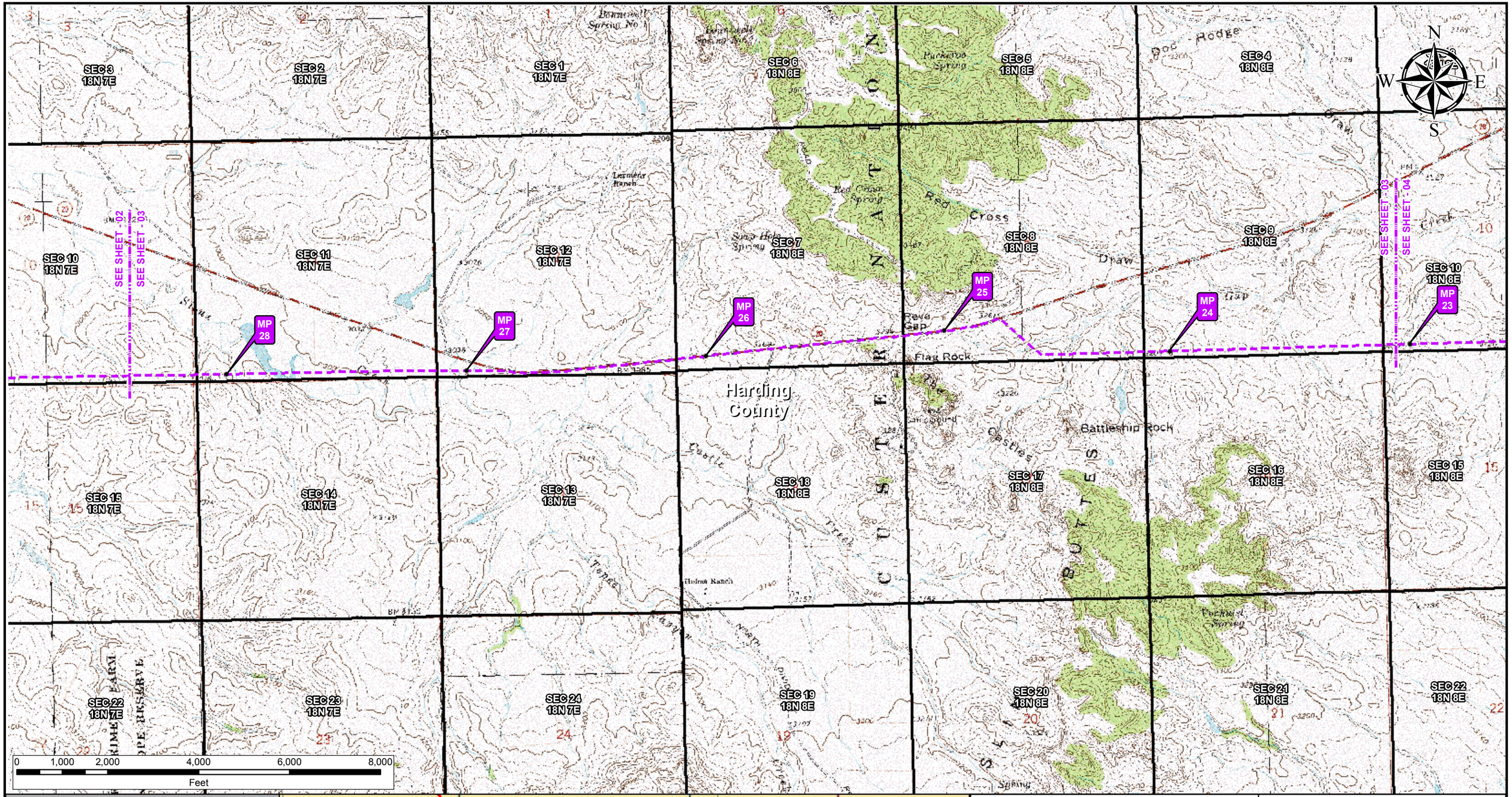
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 46-ML-2003-P- 16-03 -A	03 of 08	2



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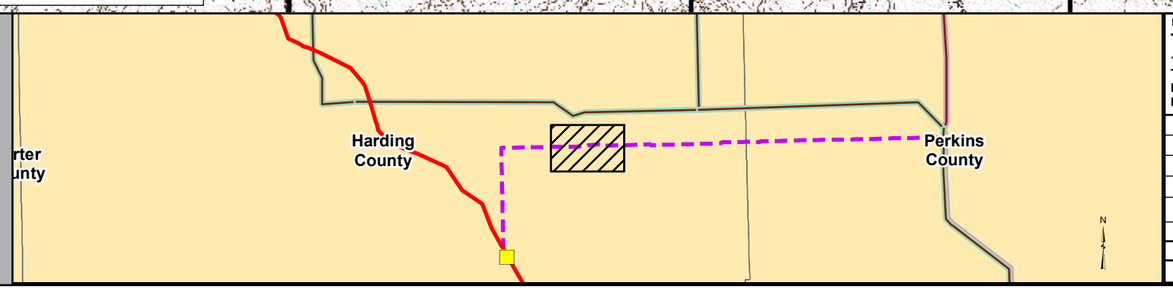

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KEYSTONE XL PROJECT
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HARDING COUNTY, SOUTH DAKOTA
PS-16

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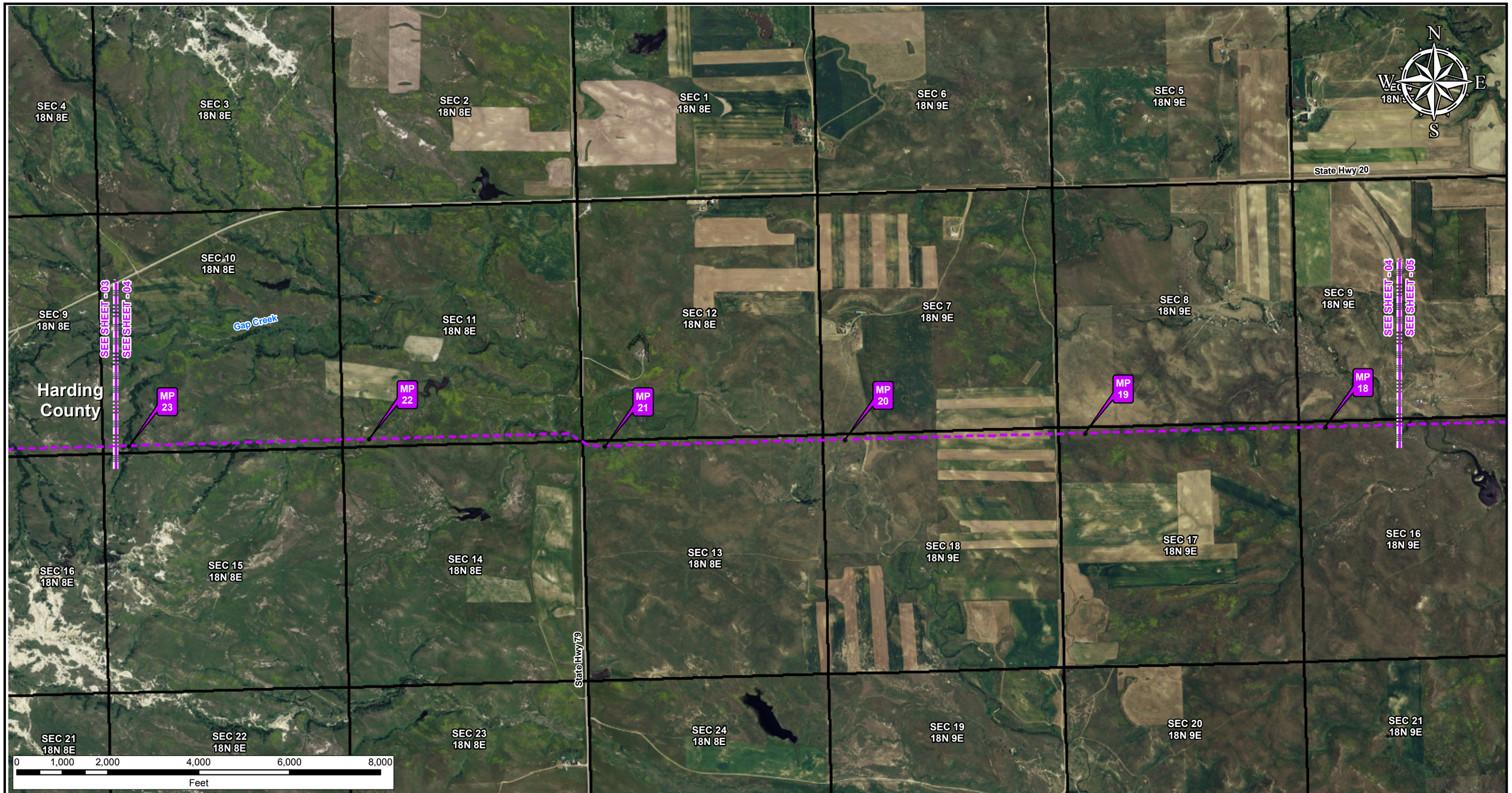
AH	SS	RG	50388X	XL- 46-ML-2003-P- 16-03 -Q	03 of 08	2



Legend

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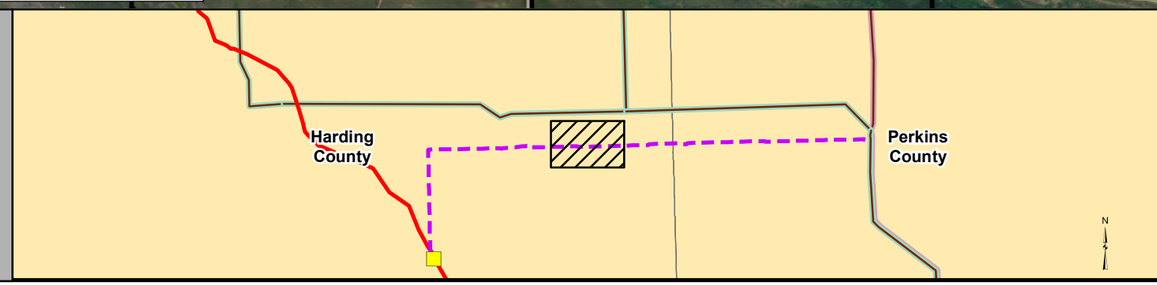

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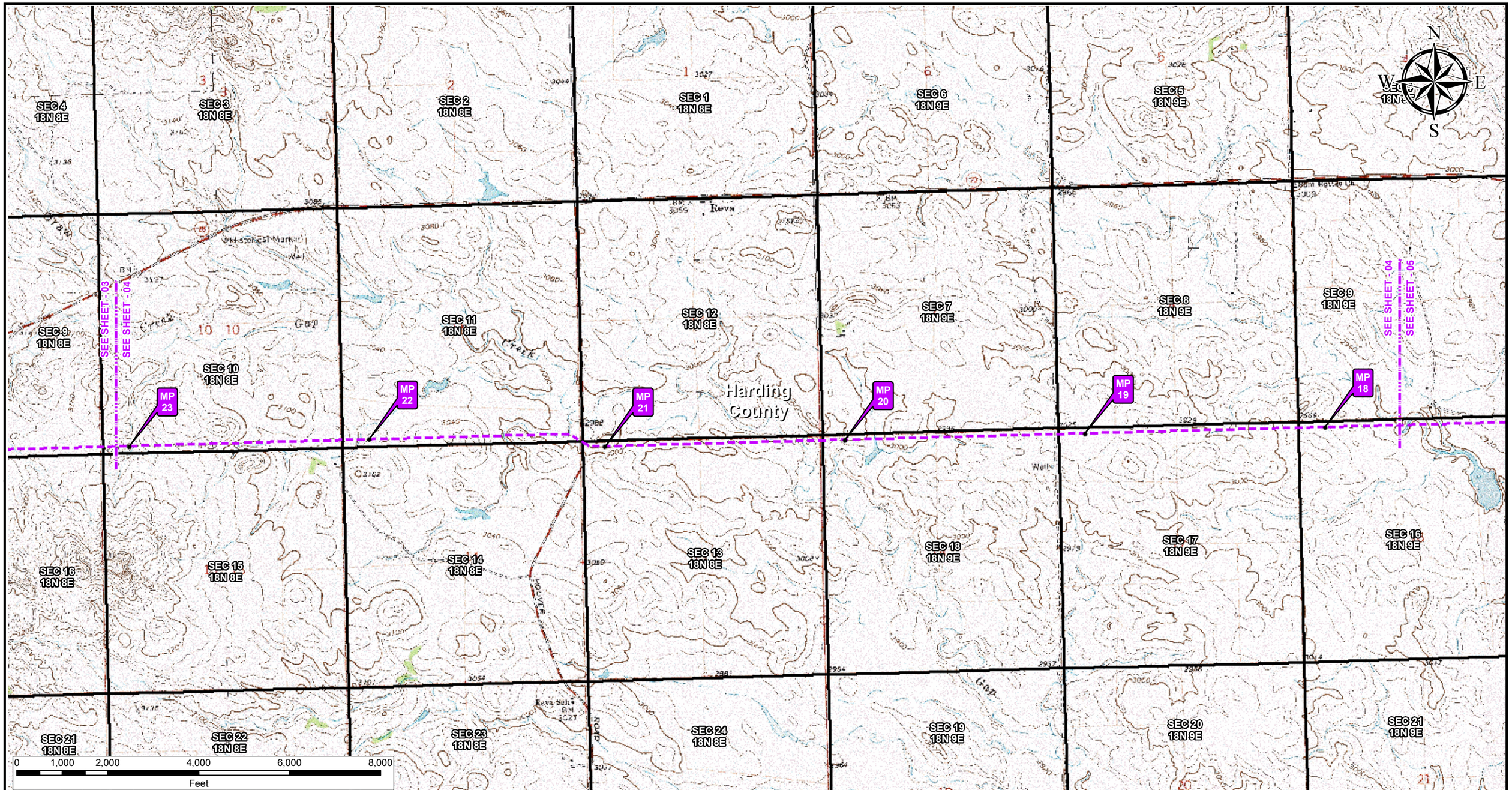
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTTE COUNTY, SOUTH DAKOTA
PS-16

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- 46-ML-2003-P- 16-04 -A	04 of 08	2



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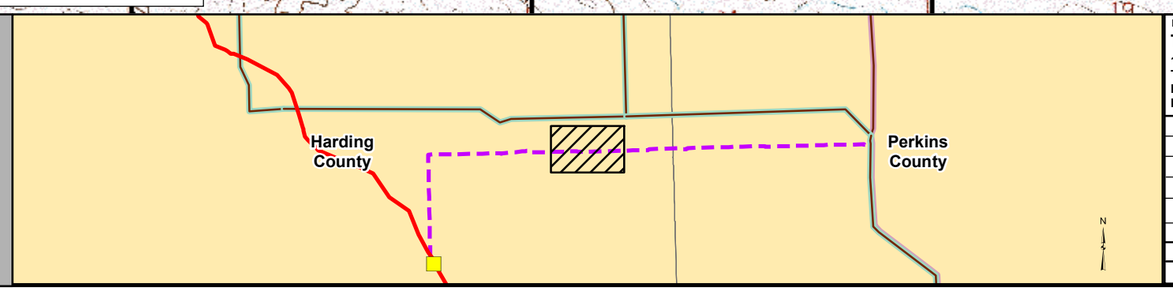

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SEC 4 18N 9E
SEC 3 18N 9E
SEC 2 18N 9E
SEC 1 18N 9E
SEC 6 18N 10E
SEC 5 18N 10E
SEC 9 18N 9E
SEC 10 18N 9E
SEC 11 18N 9E
SEC 12 18N 9E
SEC 7 18N 10E
SEC 8 18N 10E
SEC 9 18N 10E
SEC 16 18N 9E
SEC 15 18N 9E
SEC 14 18N 9E
SEC 13 18N 9E
SEC 18 18N 10E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

State Hwy 79
State Hwy 20
White Hill Creek
SEE SHEET - 04
SEE SHEET - 05
SEE SHEET - 05
SEE SHEET - 06
Harding County
Perkins County
MP 18
MP 17
MP 16
MP 15
MP 14
MP 13

N
S
W
E

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

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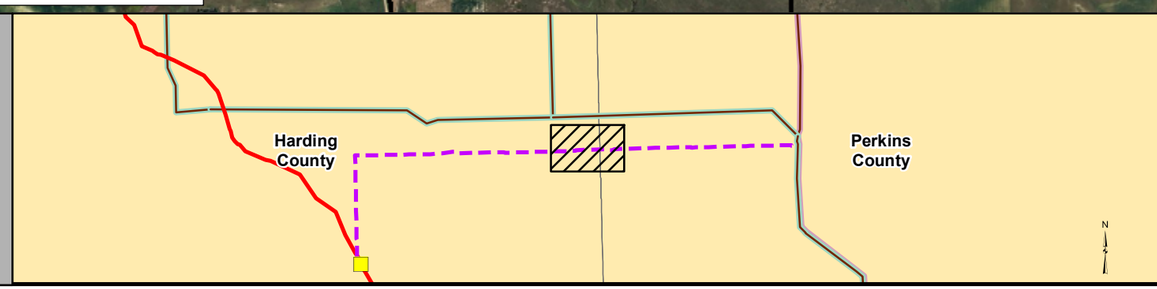

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BUTTE COUNTY, SOUTH DAKOTA
PS-16

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

SEE SHEET -04
SEE SHEET -05
SEE SHEET -05
SEE SHEET -06

Harding County
Perkins County

MP 18
MP 17
MP 16
MP 15
MP 14
MP 13

P L A T

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

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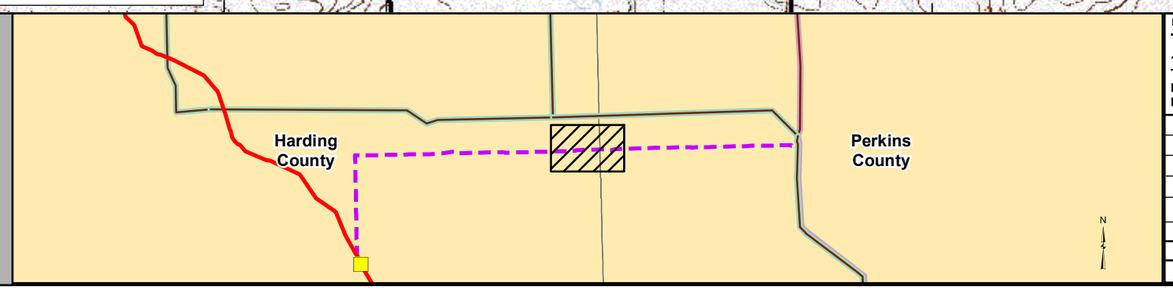

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BUTTE COUNTY, SOUTH DAKOTA
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SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 46-ML-2003-P- 16-05 -Q	05 of 08	2

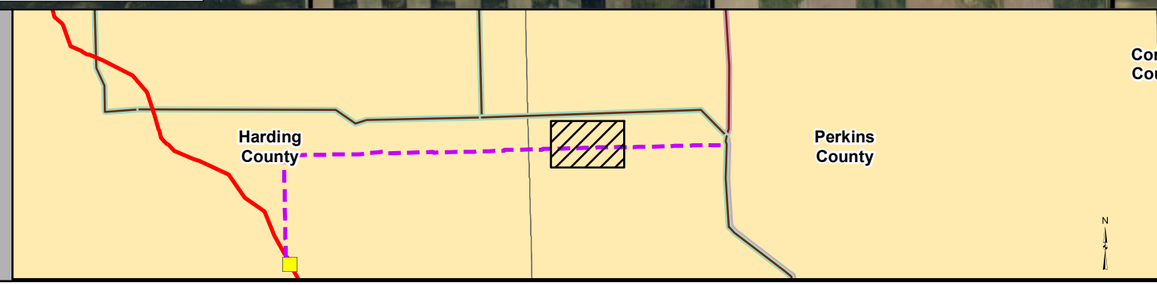
Legend

- 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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Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
Trow

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 (2.15.09 CL)	7.6.09
0	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11.19.08

TransCanada
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTTE COUNTY, SOUTH DAKOTA
PS-16

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

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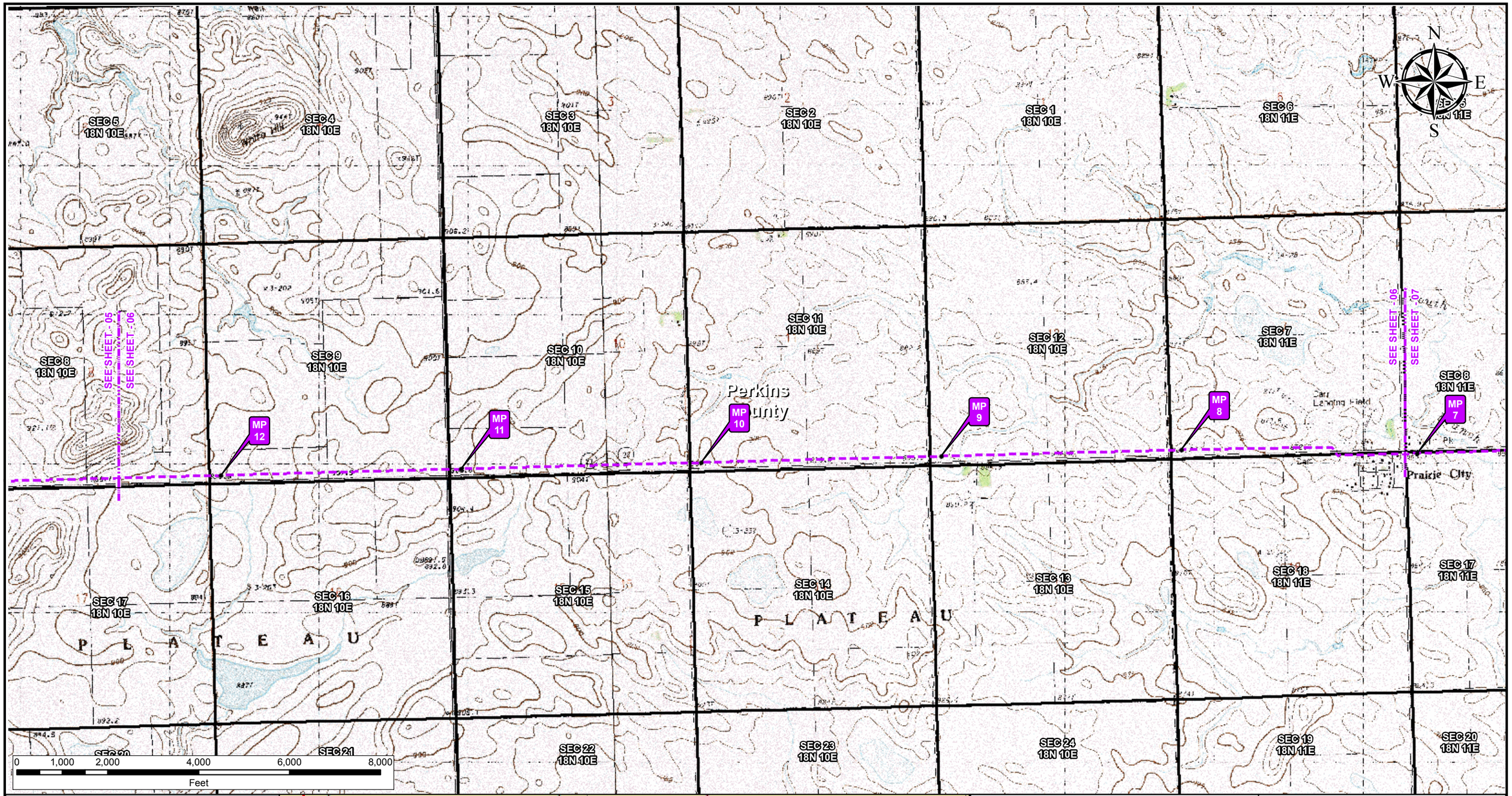

Legend

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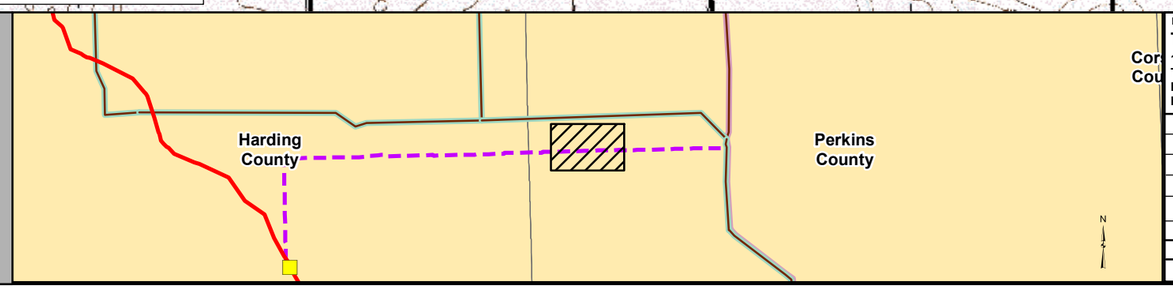

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PS-16

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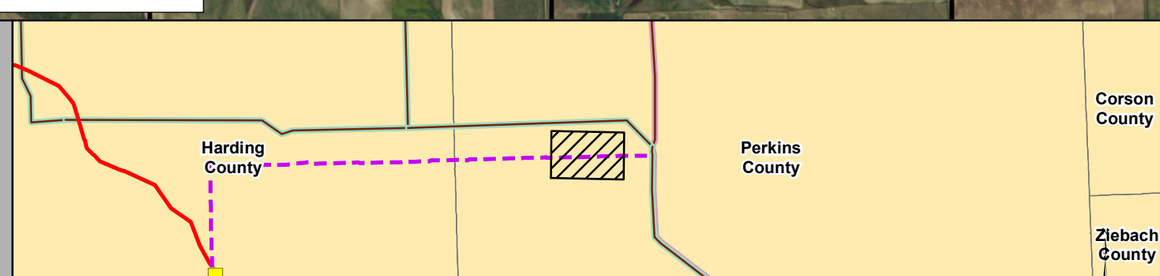

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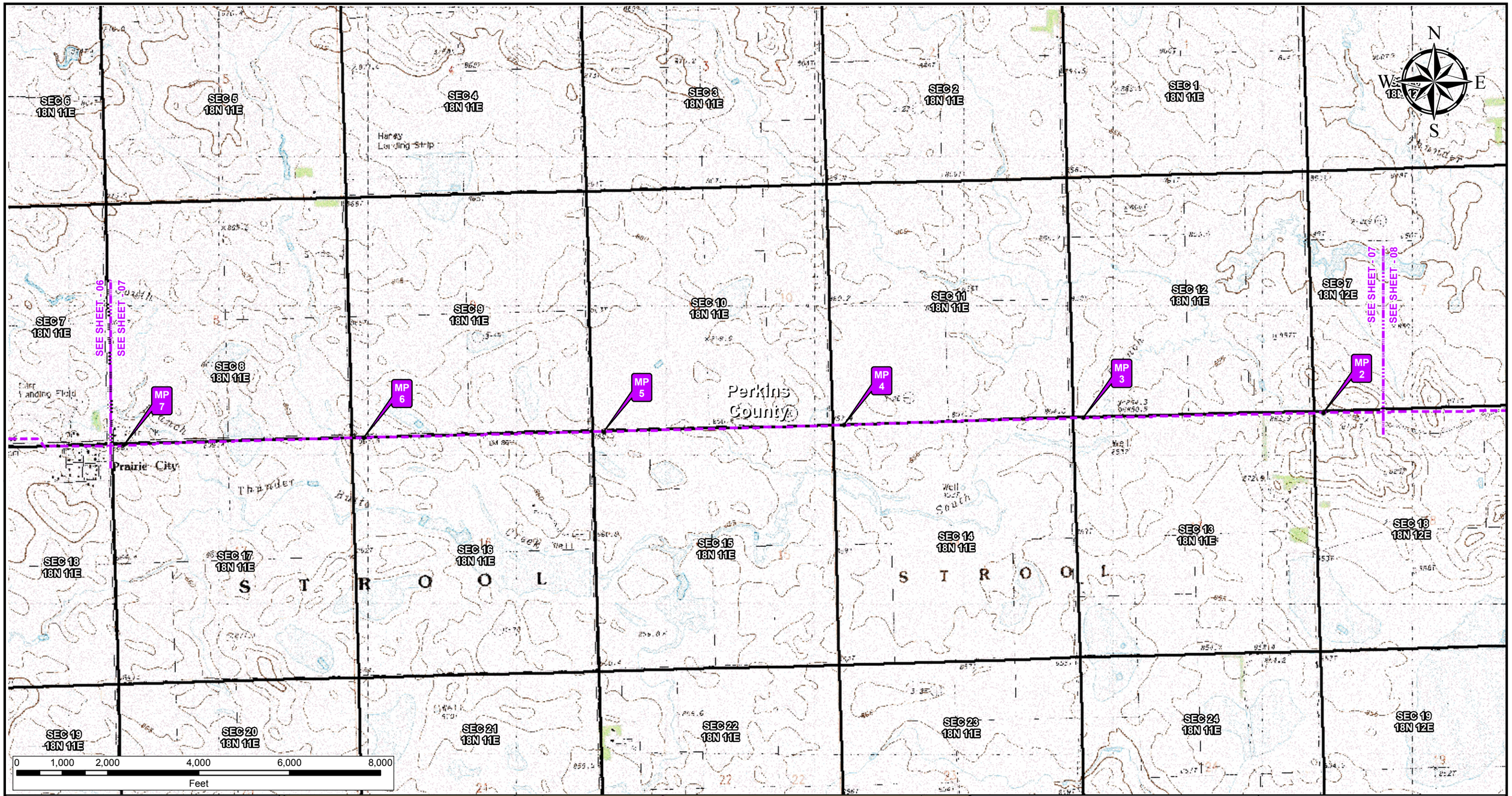

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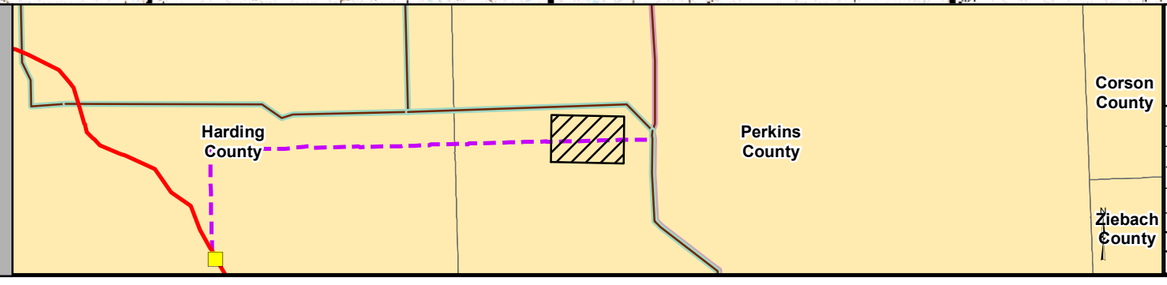

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SEC 1 18N 11E
SEC 6 18N 12E
SEC 5 18N 12E
SEC 4 18N 12E
SEC 3 18N 12E
SEC 2 18N 12E
SEC 1 18N 12E
SEC 12 18N 11E
SEC 7 18N 12E
SEC 8 18N 12E
SEC 9 18N 12E
SEC 10 18N 12E
SEC 11 18N 12E
SEC 12 18N 12E
SEC 13 18N 11E
SEC 18 18N 12E
SEC 17 18N 12E
SEC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

N
W
E
S

South Branch Thunder Butte Creek
Thunder Butte Creek
Thunder Butte Creek

State Hwy 75
State Hwy 20

SEE SHEET - 07
SEE SHEET - 08

MP 2
MP 1
MP 0

Perkins County

69kV
230

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

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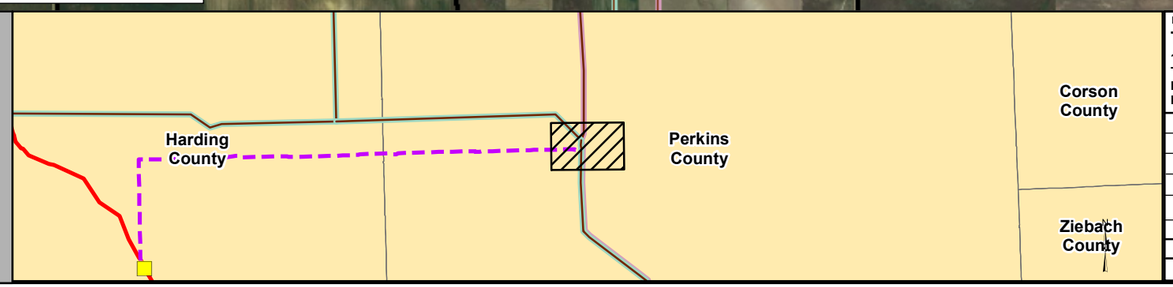

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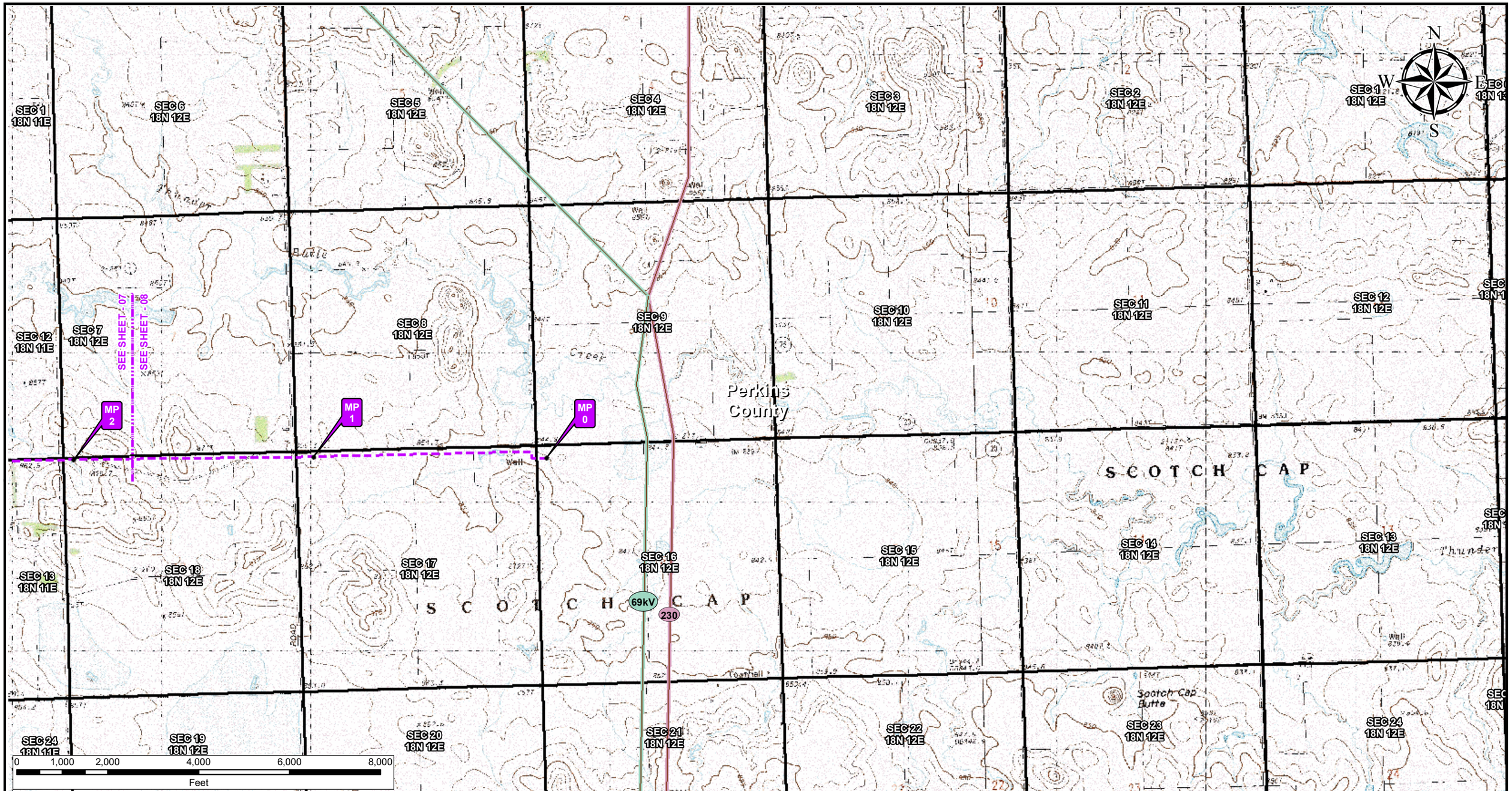

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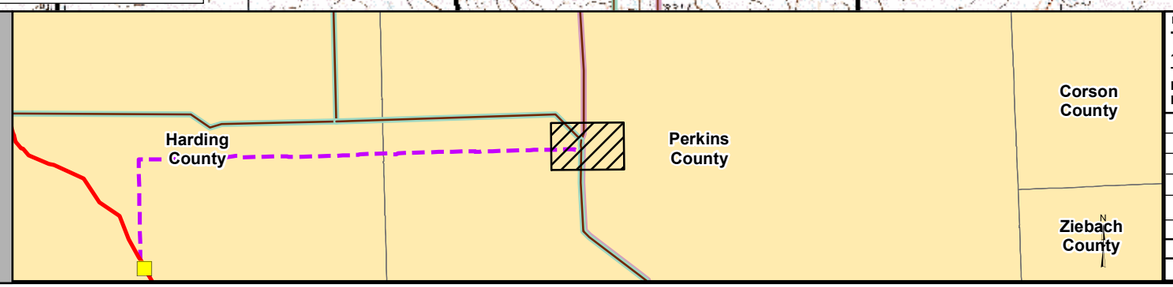

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