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

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**


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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|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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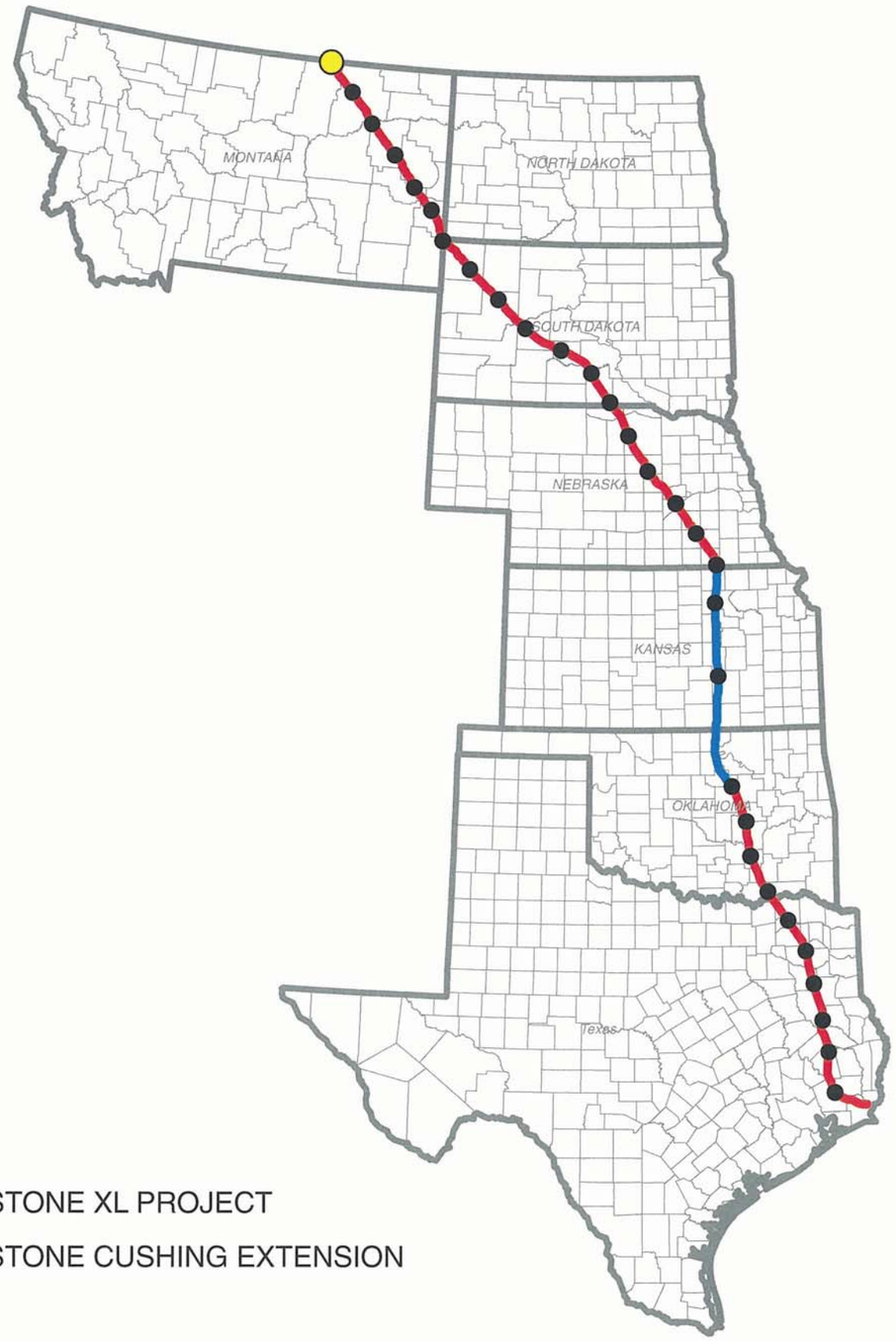
KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13/14/15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET




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-09

**7/31/08 Centerline**

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|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

S 4
T 037N
R 032E

S 9
T 037N
R 032E

S 16
T 037N
R 032E

S 21
T 037N
R 032E

S 28
T 037N
R 032E

S 33
T 037N
R 032E

S 3
T 036N
R 032E

MP 1

PS-09

MP 0

MP 57

S 5
T 037N
R 032E

S 8
T 037N
R 032E

S 17
T 037N
R 032E

S 20
T 037N
R 032E

S 29
T 037N
R 032E

S 32
T 037N
R 032E

S 4
T 036N
R 032E

Phillips County

MT

MP 56

S 6
T 037N
R 032E

S 7
T 037N
R 032E

S 18
T 037N
R 032E

S 19
T 037N
R 032E

S 30
T 037N
R 032E

S 31
T 037N
R 032E

SEE SHEET 09-01

SEE SHEET 09-02

East Fork Whitewater Creek

S 5
T 036N
R 032E

MP 55

MP 54

MP 53

MP 52

MP 51

MP 50

S 1
T 037N
R 031E

S 12
T 037N
R 031E

S 13
T 037N
R 031E

S 24
T 037N
R 031E

S 25
T 037N
R 031E

S 36
T 037N
R 031E

S 6
T 036N
R 032E

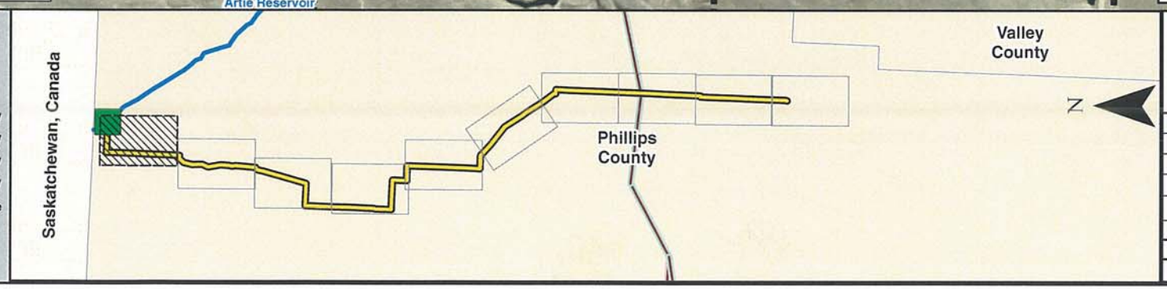
0 1,000 2,000 4,000 6,000
Feet

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
PHILLIPS COUNTY, MONTANA
**PS-09**

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-09-01-A | 01 of 10 | 0 |

S 4
T 037N
R 032E

S 9
T 037N
R 032E

S 16
T 037N
R 032E

S 21
T 037N
R 032E

S 28
T 037N
R 032E

S 33
T 037N
R 032E

T 036N
R 032E

MP 1

PS-09

MP 0

MP 57

S 5
T 037N
R 032E

S 8
T 037N
R 032E

S 17
T 037N
R 032E

S 20
T 037N
R 032E

S 29
T 037N
R 032E

S 32
T 037N
R 032E

S 4
T 036N
R 032E

Phillips
County

MT

MP 56

S 6
T 037N
R 032E

S 7
T 037N
R 032E

S 18
T 037N
R 032E

S 19
T 037N
R 032E

S 30
T 037N
R 032E

S 31
T 037N
R 032E

SEE SHEET 09-01

SEE SHEET 09-02

East Fork Whitewater Creek

S 5
T 036N
R 032E

MP 55

MP 54

MP 53

MP 52

MP 51

MP 50

S 1
T 037N
R-031E

S 12
T 037N
R 031E

S 13
T 037N
R 031E

S 24
T 037N
R 031E

S 25
T 037N
R 031E

S 36
T 037N
R 031E

S 6
T 036N
R 032E

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

7/31/08 Centerline

Artie Reservoir

Artie Reservoir

Saskatchewan, Canada

Valley
County

Phillips
County

N

## Legend

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

**Electric Lines**
Voltage
- Below 230kV
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- 500kV - 734kV
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- AC-DC-AC Tie
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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- 09-01 -Q | 01 of 10 | 0 |

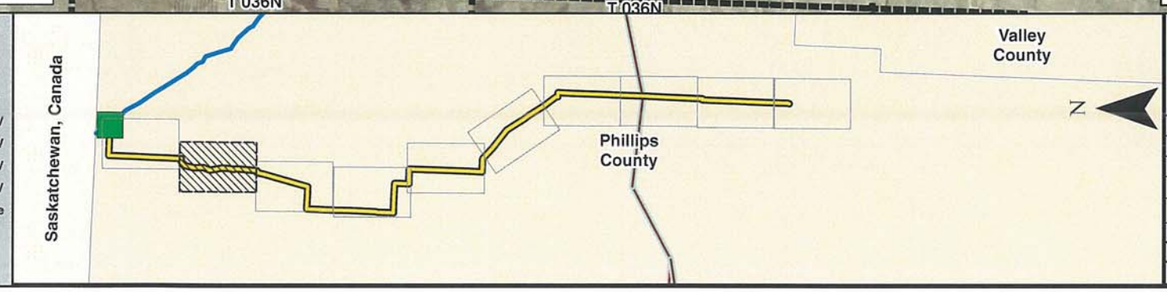
S 32 T 037N R 032E
S 4 T 036N R 032E
S 9 T 036N R 032E
S 16 T 036N R 032E
S 21 T 036N R 032E
S 28 T 036N R 032E
S 33 T 036N R 032E
N
W
E
S
S 31 T 037N R 032E
SEE SHEET 09-01
SEE SHEET 09-02
S 5 T 036N R 032E
S 8 T 036N R 032E
S 17 T 036N R 032E
S 20 T 036N R 032E
S 29 T 036N R 032E
S 32 T 036N R 032E
SEE SHEET 09-02
SEE SHEET 09-03
MP 50
East Fork Whitewater Creek
S 36 T 037N R 031E
Phillips County
MT
S 6 T 036N R 032E
S 7 T 036N R 032E
S 18 T 036N R 032E
S 19 T 036N R 032E
S 30 T 036N R 032E
S 31 T 036N R 032E
MP 49
MP 48
MP 47
MP 46
MP 45
MP 44
S 35 T 037N R 031E
S 1 T 036N R 031E
S 12 T 036N R 031E
S 13 T 036N R 031E
S 24 T 036N R 031E
S 25 T 036N R 031E
S 36 T 036N R 031E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline
S 11 T 036N
S 14 T 036N

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
PHILLIPS COUNTY, MONTANA
**PS-09**

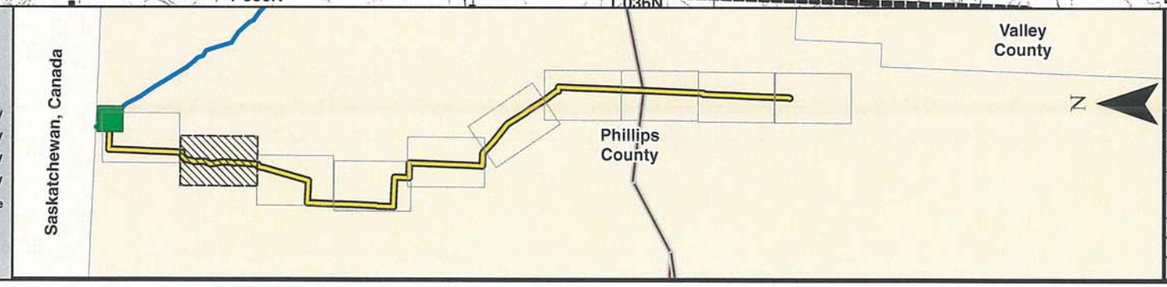
MAP PARAMETERS
PROJECTION: NAD83, UTM:13N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-02 -A | 02 of 10 | 0 |

S 32 T 037N R 032E
S 4 T 036N R 032E
S 9 T 036N R 032E
S 16 T 036N R 032E
S 21 T 036N R 032E
S 28 T 036N R 032E
S 33 T 036N R 032E
S 31 T 037N R 032E
S 5 T 036N R 032E
S 8 T 036N R 032E
S 17 T 036N R 032E
S 20 T 036N R 032E
S 29 T 036N R 032E
S 32 T 036N R 032E
SEE SHEET 09-01
SEE SHEET 09-02
Nerve Reservoir
Coal Creek
Dodge Coulee
SEE SHEET 09-02
SEE SHEET 09-03
MP 50
MP 49
MP 48
MP 47
MP 46
MP 45
MP 44
East Fork Whitewater Creek
Whitewater Creek
East Fork
S 36 T 037N R 031E
Phillips County
S 6 T 036N R 032E
S 7 T 036N R 032E
S 18 T 036N R 032E
S 19 T 036N R 032E
S 30 T 036N R 032E
S 31 T 036N R 032E
S 35 T 037N R 031E
S 1 T 036N R 031E
S 12 T 036N R 031E
S 13 T 036N R 031E
S 24 T 036N R 031E
S 25 T 036N R 031E
S 36 T 036N R 031E
S 11 T 036N
S 14 T 036N
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

Legend
- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
PHILLIPS COUNTY, MONTANA
PS-09

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- 09-02 -Q | 02 of 10 | 0 |

S 17
T 035N
R 032E

S 8
T 035N
R 032E

S 5
T 035N
R 032E

S 32
T 036N
R 032E

S 19
T 035N
R 032E

S 30
T 035N
R 032E

S 18
T 035N
R 032E

S 7
T 035N
R 032E

S 6
T 035N
R 032E

S 36
T 035N
R 031E

S 31
T 036N
R 032E

S 25
T 035N
R 031E

S 24
T 035N
R 031E

East Fork Whitewater Creek

S 13
T 035N
R 031E

S 35
T 035N
R 031E

Phillips
County

MT

S 12
T 035N
R 031E

S 1
T 035N
R 031E

S 23
T 035N
R 031E

S 26
T 035N
R 031E

S 36
T 036N
R 031E

S 25
T 036N
R 031E

S 14
T 035N
R 031E

S 11
T 035N
R 031E

S 2
T 035N
R 031E

S 35
T 036N
R 031E

S 26
T 036N
R 031E

S 22
T 035N
R 031E

S 27
T 035N
R 031E

S 15
T 035N

S 10
T 035N

Whitewater Creek

Whitewater Rd

Main St

2nd Ave

1st Ave

Railroad Grade St

SEE SHEET 09-02

SEE SHEET 09-03

SEE SHEET 09-04

MP 44

MP 43

MP 42

MP 41

MP 4

MP 38

MP 39

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

7/31/08 Centerline

## Legend

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
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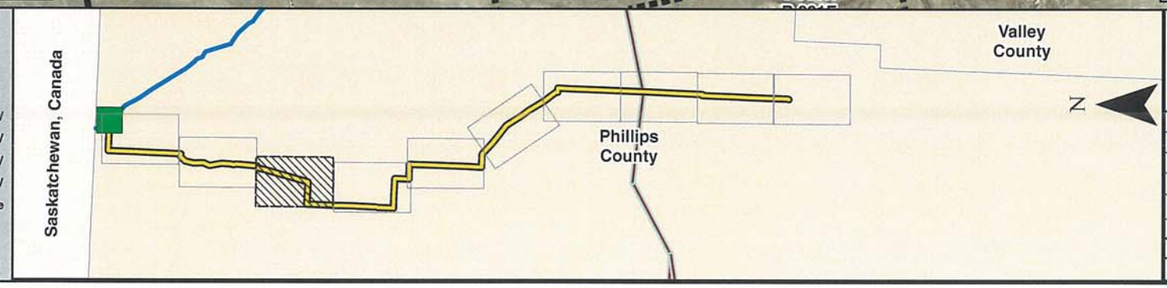



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TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-03 -A | 03 of 10 | 0 |

S 17
T 035N
R 032E

S 8
T 035N
R 032E

S 5
T 035N
R 032E

S 32
T 036N
R 032E

S 19
T 035N
R 032E

S 30
T 035N
R 032E

S 18
T 035N
R 032E

S 7
T 035N
R 032E

S 6
T 035N
R 032E

S 36
T 035N
R 031E

S 31
T 036N
R 032E

S 25
T 035N
R 031E

S 24
T 035N
R 031E

S 13
T 035N
R 031E

S 35
T 035N
R 031E

S 12
T 035N
R 031E

S 1
T 035N
R 031E

S 23
T 035N
R 031E

S 26
T 035N
R 031E

S 36
T 036N
R 031E

S 14
T 035N
R 031E

S 25
T 036N
R 031E

S 11
T 035N
R 031E

S 2
T 035N
R 031E

S 35
T 036N
R 031E

S 22
T 035N
R 031E

S 27
T 035N
R 031E

S 26
T 036N
R 031E

S 15
T 035N
R 03

S 10
T 035N

SEE SHEET 09-02

SEE SHEET 09-03

SEE SHEET 09-04

MP 44

MP 43

MP 42

MP 41

MP 4

MP 38

MP 39

Phillips County

Valley County

East Fork Whitewater Creek

Whitewater Creek

Whitewater Rd

Main St

25th Ave

Railroad Ave

1st St

2nd St

N

E

S

W

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

Feet

7/31/08 Centerline

Legend

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

Electric Lines

Voltage

- Below 230kV
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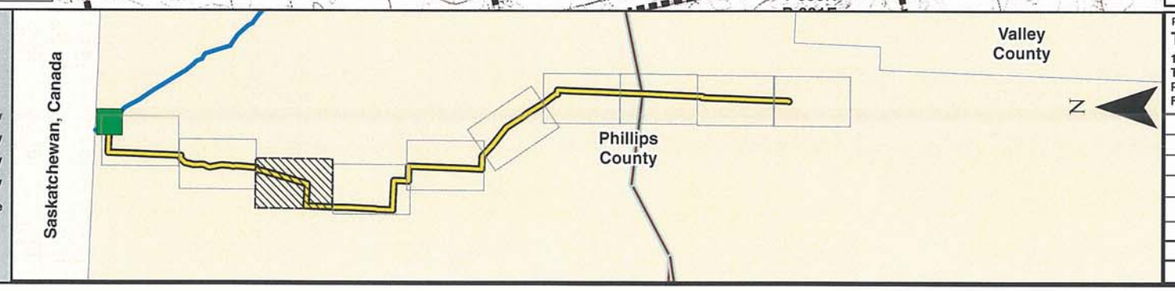
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
PS-09

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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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-03 -Q | 03 of 10 | 0 |

S 30 T 035N R 032E
S 31 T 035N R 032E
S 6 T 034N R 032E
S 7 T 034N R 032E
S 18 T 034N R 032E
T 034N R 032E
T 034N R 032E
T 034N R 032E
S 19 T 034N R 032E
30 T 034N R 032E
Whitewater Rd
East Fork Whitewater Creek
SEE SHEET 09-04
SEE SHEET 09-05
Whitewater Youth Ro
N
E
S
W
MP 31
MP 30
S 25 T 035N R 031E
S 36 T 035N R 031E
S 1 T 034N R 031E
S 12 T 034N R 031E
MT
S 13 T 034N R 031E
Whitewater Creek
S 24 T 034N R 031E
S 25 T 034N R 031E
Phillips County
Main St
2nd Ave
1st Ave
2nd St
1st St
Railroad St
S 26 T 035N R 031E
SEE SHEET 09-03
SEE SHEET 09-04
S 35 T 035N R 031E
S 2 T 034N R 031E
S 11 T 034N R 031E
S 14 T 034N R 031E
MP 32
S 23 T 034N R 031E
S 26 T 034N R 031E
S 27 T 035N
S 34 T 035N
Whitewater Rd
MP 36
S 3 T 034N R 031E
MP 35
S 10 T 034N R 031E
Austin Lake MP
S 15 T 034N
MP 33
S 22 T 034N R 031E
S 27 T 034N R 031E
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
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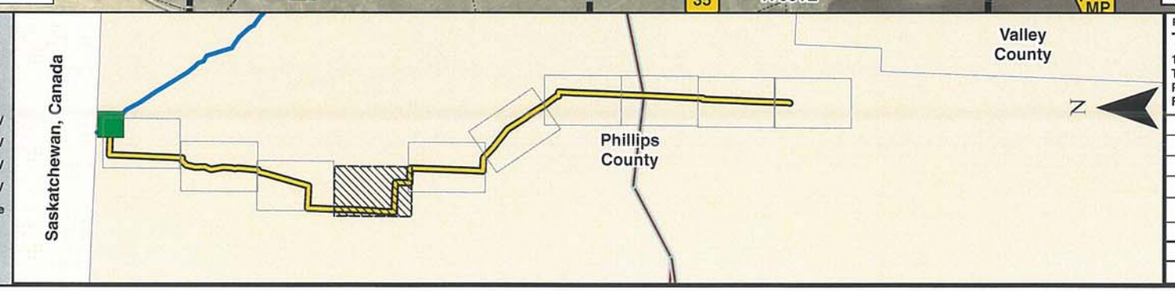
- State Line
- County Line
- Section Line

**Electric Lines**
Voltage

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





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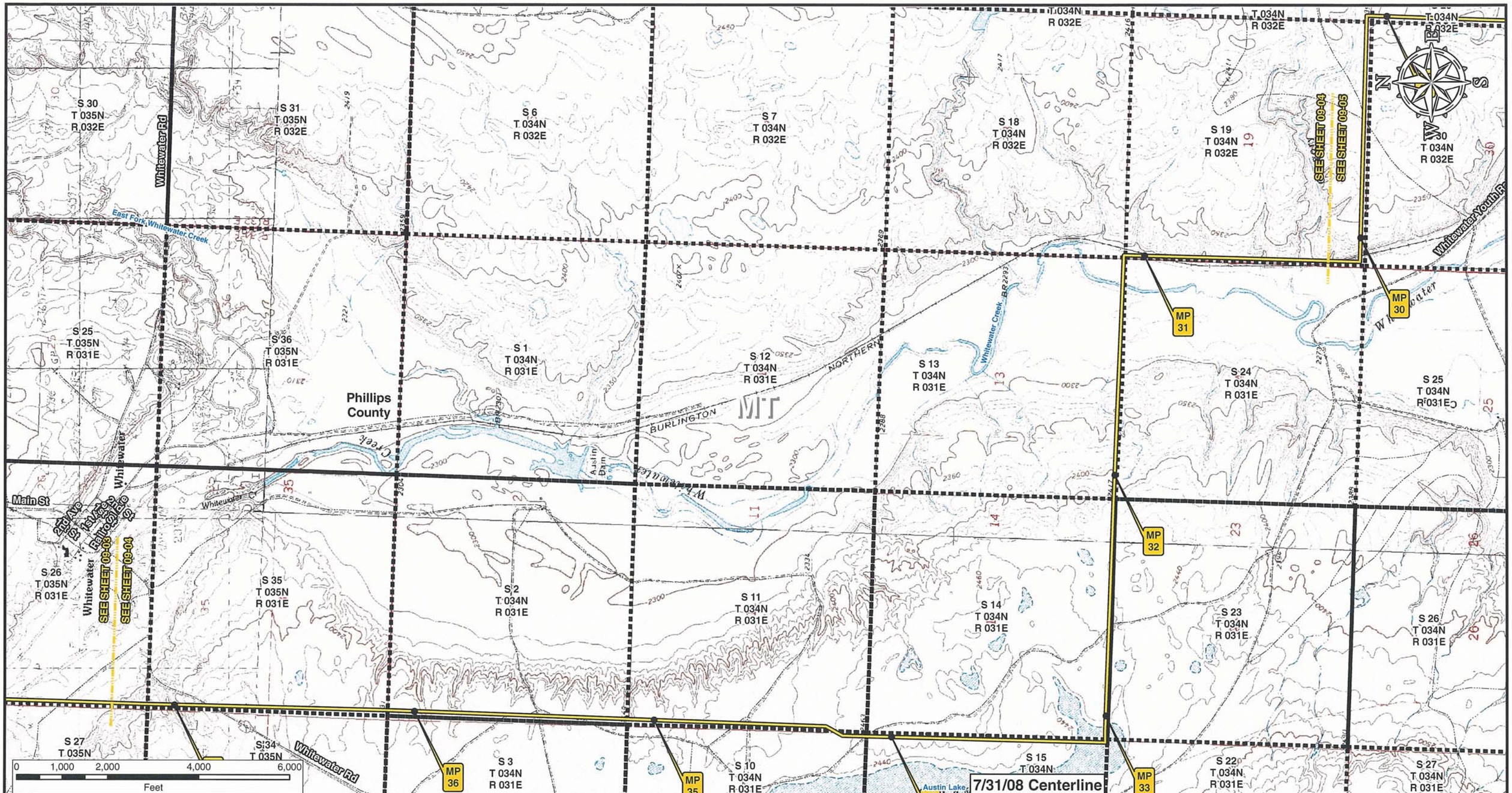
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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-09-04-A | 04 of 10 | 0 |



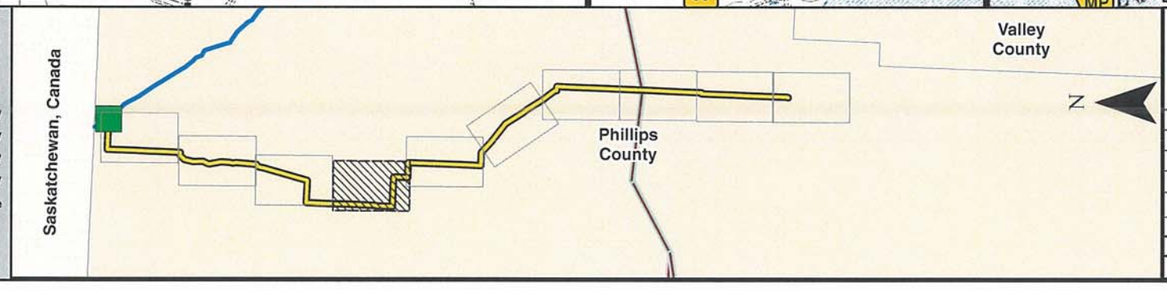

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-04 -Q | 04 of 10 | 0 |

S 21 T 034N R 032E
S 28 T 034N R 032E
S 33 T 034N R 032E
S 4 T 033N R 032E
S 9 T 033N R 032E
S 16 T 033N R 032E
T 33N R 32E
SEE SHEET 09-06
SEE SHEET 09-05
N
E
S
W
MP 23
S 20 T 034N R 032E
S 29 T 034N R 032E
S 32 T 034N R 032E
S 5 T 033N R 032E
S 8 T 033N R 032E
S 17 T 033N R 032E
S 20 T 033N R 032E
Phillips County
MT
Whitewater Youth Ranch Rd
Whitewater Creek
MP 29
MP 28
MP 27
MP 26
MP 25
MP 24
S 19 T 034N R 032E
S 30 T 034N R 032E
S 31 T 034N R 032E
S 6 T 033N R 032E
S 7 T 033N R 032E
S 18 T 033N R 032E
S 19 T 033N R 032E
SEE SHEET 09-04
SEE SHEET 09-05
MP 30
S 24 T 034N R 031E
S 25 T 034N R 031E
S 36 T 034N R 031E
S 1 T 033N R 031E
S 12 T 033N R 031E
S 13 T 033N R 031E
S 24 T 033N R 031E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
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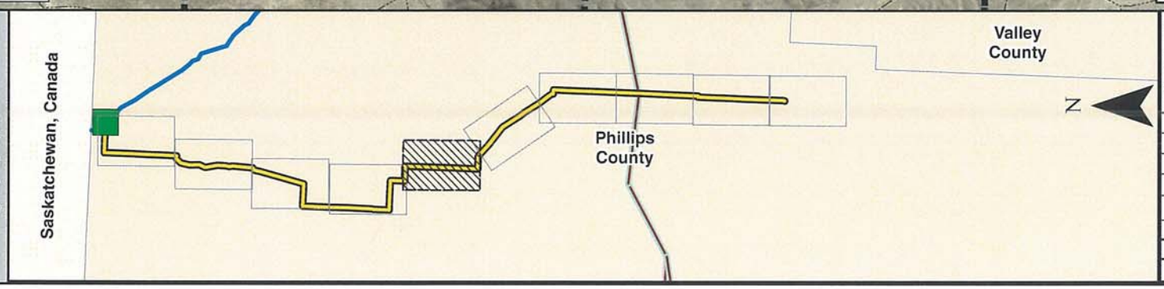
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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|---|---|---|---|---|---|---|
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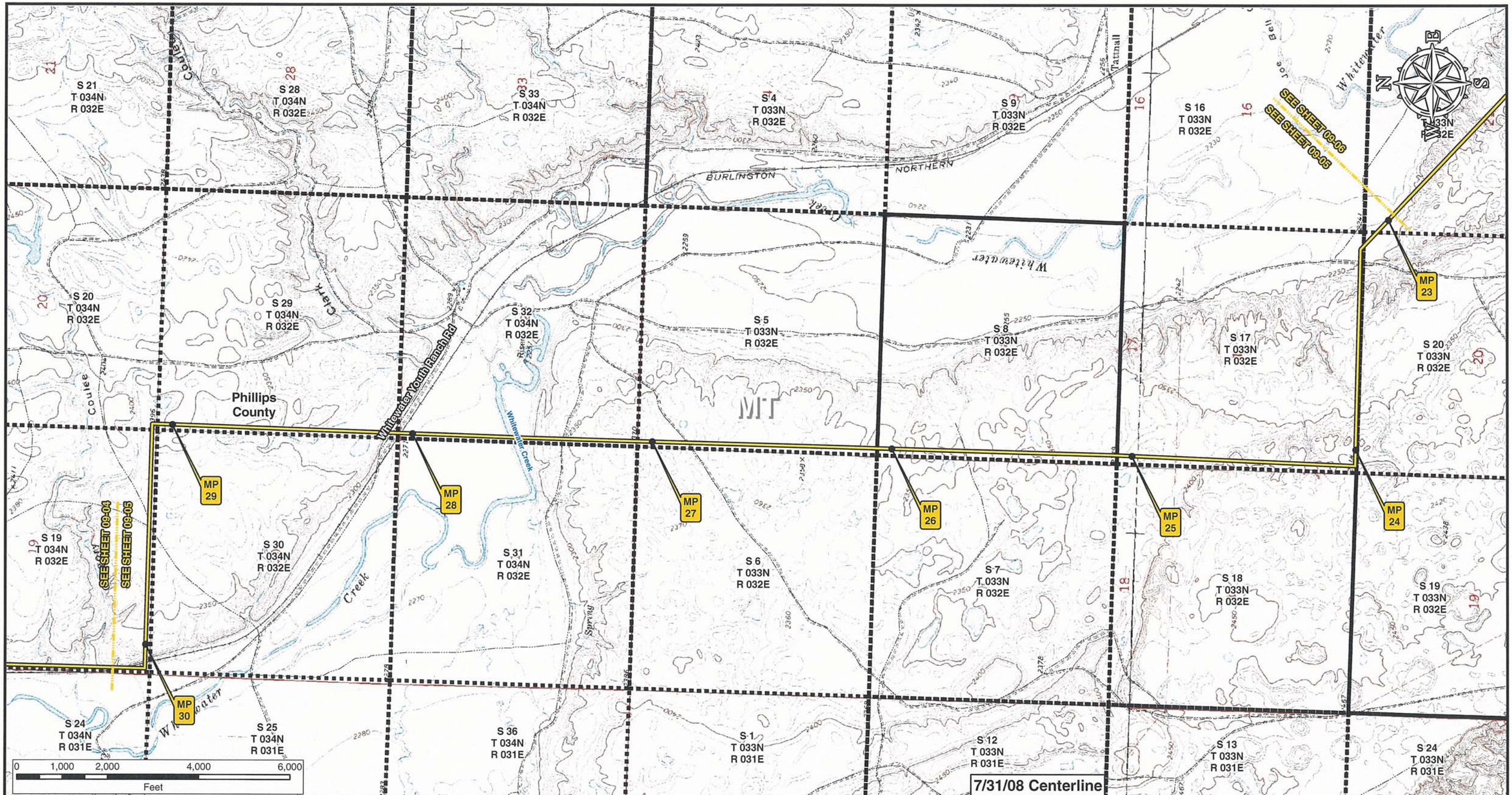


**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
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- Matchline
- Pump Station
- State Line
- County Line
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**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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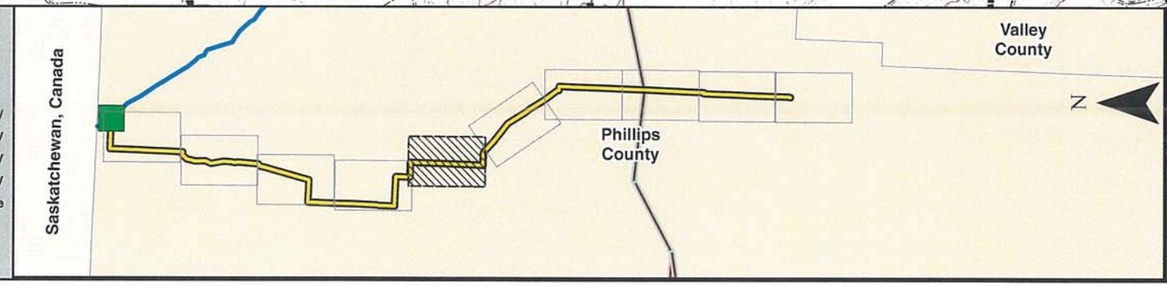
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-05 -Q | 05 of 10 | 0 |

S 10 T 033N R 032E
S 14 T 033N R 032E
S 24 T 033N R 032E
S 25 T 033N R 032E
S 31 T 033N R 033E
S 15 T 033N R 032E
S 23 T 033N R 032E
Shotgun Creek
S 9 033N 032E
S 36 T 033N R 032E
S 5 T 032N R 033E
SEE SHEET 09-06
SEE SHEET 09-07
S 26 T 033N R 032E
Whitewater Creek
S 22 T 033N R 032E
S 16 T 033N R 032E
S 35 T 033N R 032E
S 8 T 032N R 033E
SEE SHEET 09-06
SEE SHEET 09-05
S 6 T 032N R 033E
County Pit Rd
County Pit
MT
MP 20
MP 19
MP 18
S 27 T 033N R 032E
MP 21
S 21 T 033N R 032E
Phillips County
S 17 T 033N R 032E
MP 22
S 7 T 032N R 033E
MP 23
S 34 T 033N R 032E
S 1 T 032N R 032E
S 28 T 033N R 032E
Milk River Rd
S 20 T 033N R 032E
S 18 T 032N R 033E
S 12 T 032N R 032E
S 33 T 033N R 032E
S 2 T 032N R 032E
Milk River
S 13 T 032N R 032E
S 29 T 033N R 032E
S 11 032N 032E
Crossing
S 32 T 033N
S 3 T 032N
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

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

**Electric Lines**
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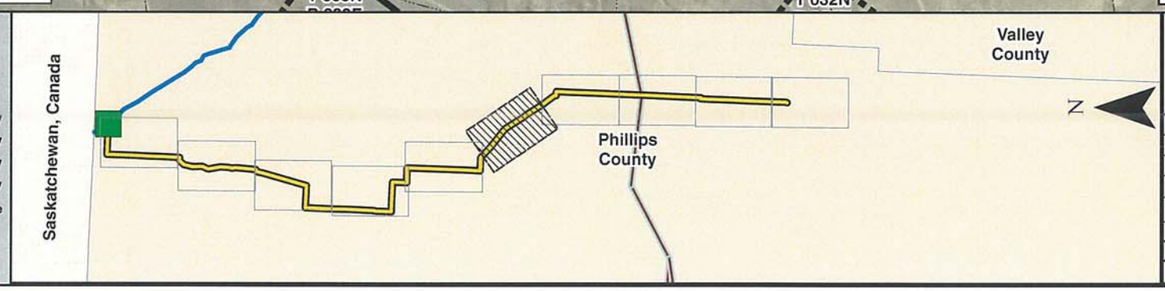
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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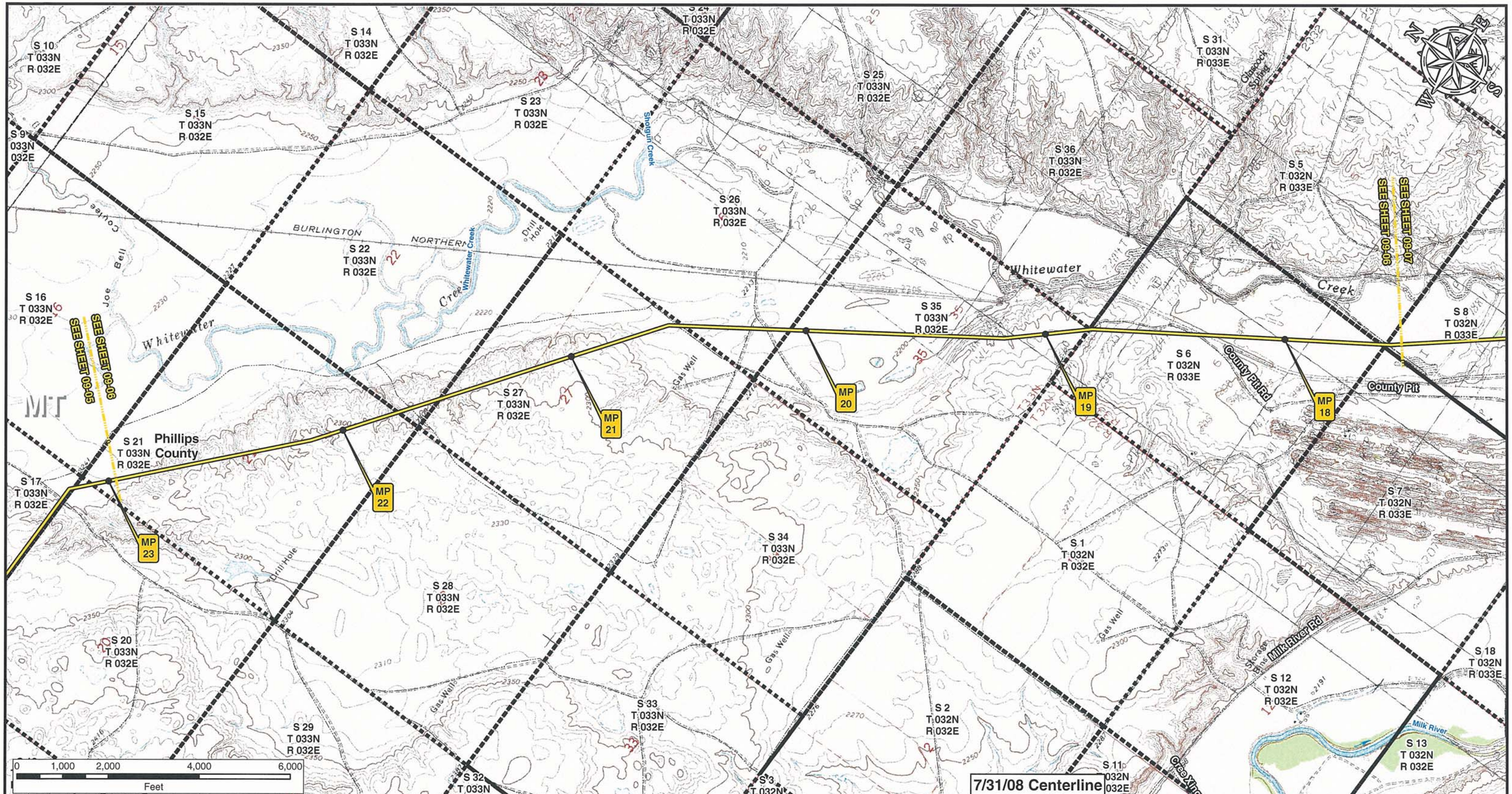
| AH | SS | RG | 50388X | XL-30-ML-2003-P-09-06-A | 06 of 10 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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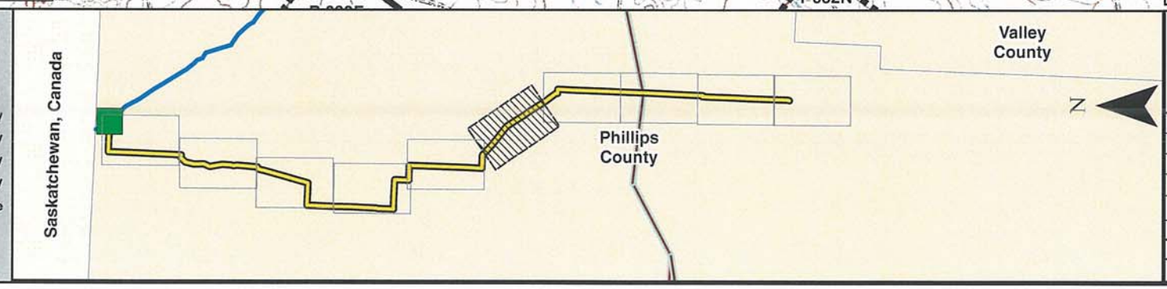


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA

**PS-09**

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

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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-06 -Q | 06 of 10 | 0 |

T 032N R 033E | T 032N R 033E | S 22 T 032N R 033E | S 27 T 032N R 033E | S 34 T 032N R 033E | S 3 T 031N R 033E

S 4 T 032N R 033E | S 9 T 032N R 033E | S 16 T 032N R 033E | S 21 T 032N R 033E | S 28 T 032N R 033E | S 33 T 032N R 033E | S 4 T 031N R 033E

Milk River Rd | Whitewater Creek | Beaver Creek | SEE SHEET 09-07 | SEE SHEET 09-08 | Old US Hwy 2

S 5 T 032N R 033E | S 8 T 032N R 033E | S 17 T 032N R 033E | S 20 T 032N R 033E | S 29 T 032N R 033E | S 32 T 032N R 033E | S 5 T 031N R 033E

MP 16 | MP 15 | MP 14 | MP 13 | MP 12 | MP 17

Cole Ponds | Milk River | Phillips County | SEE SHEET 09-07 | SEE SHEET 09-06

MT

County Pit | Milk River Rd

S 6 T 032N R 033E | S 7 T 032N R 033E | S 18 T 032N R 033E | S 19 T 032N R 033E | S 30 T 032N R 033E | S 31 T 032N R 033E | S 6 T 031N R 033E

S 1 | S 12 | S 13 T 032N R 032E | S 24 T 032N R 032E | S 25 T 032N R 032E | S 36 T 032N R 032E | S 1 T 031N R 032E

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

7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
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**Electric Lines**

Voltage

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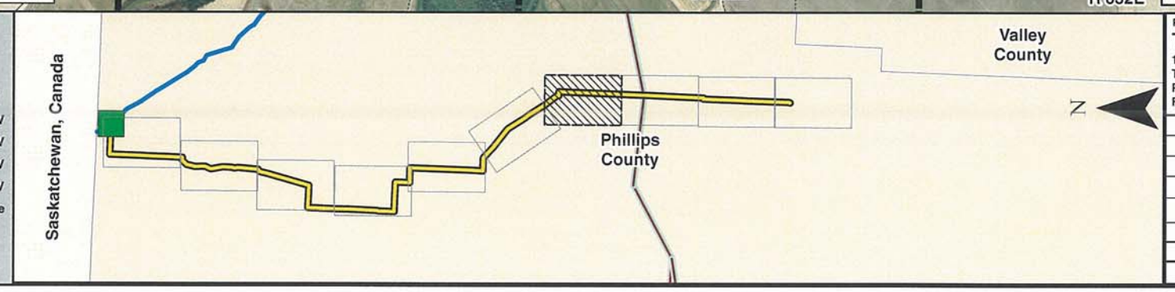



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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

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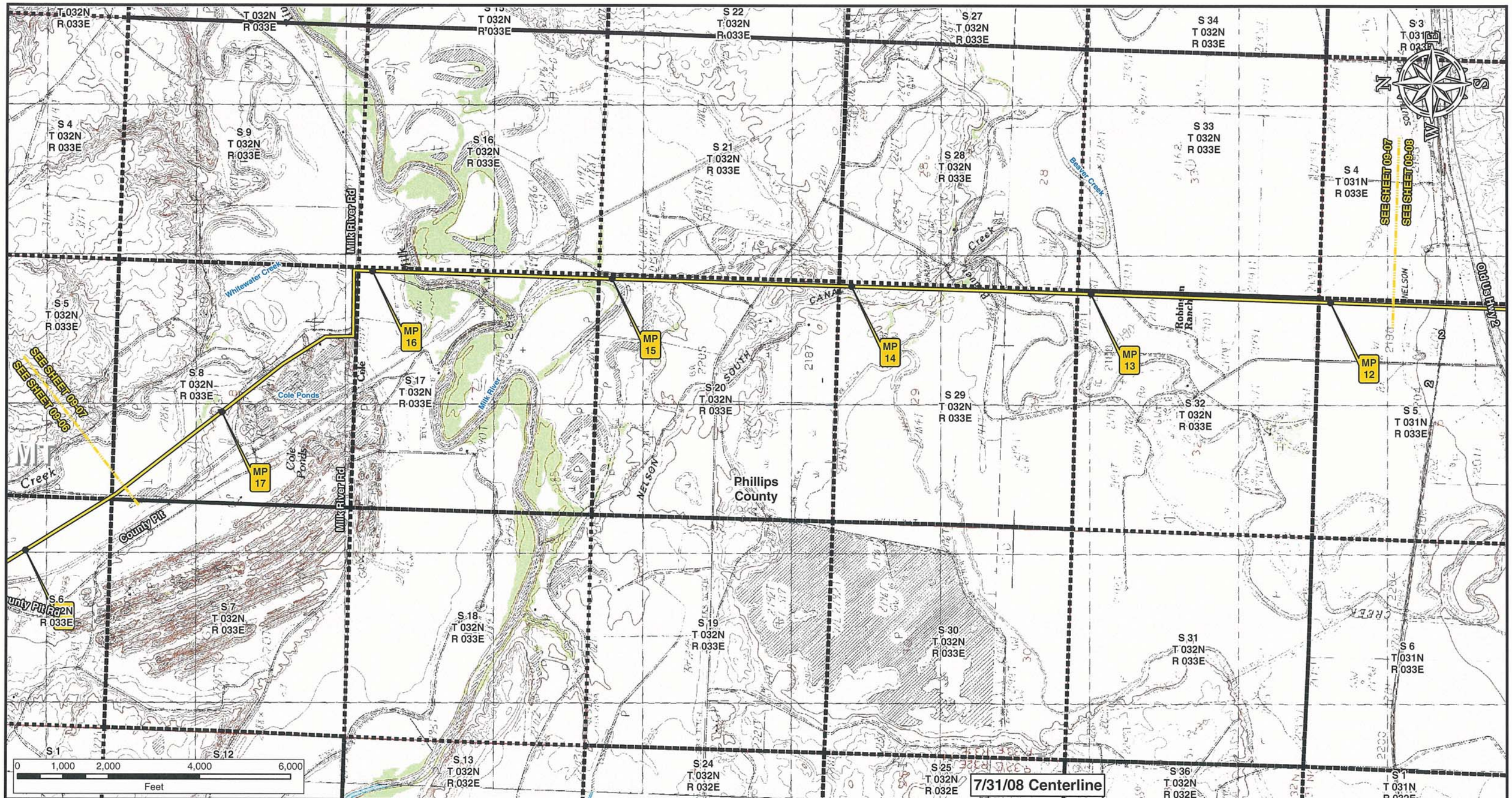
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-07 -A | 07 of 10 | 0 |




**Legend**

- Milepost
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- Transmission Supply Line Route
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- Matchline
- Pump Station
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**Electric Lines**

Voltage

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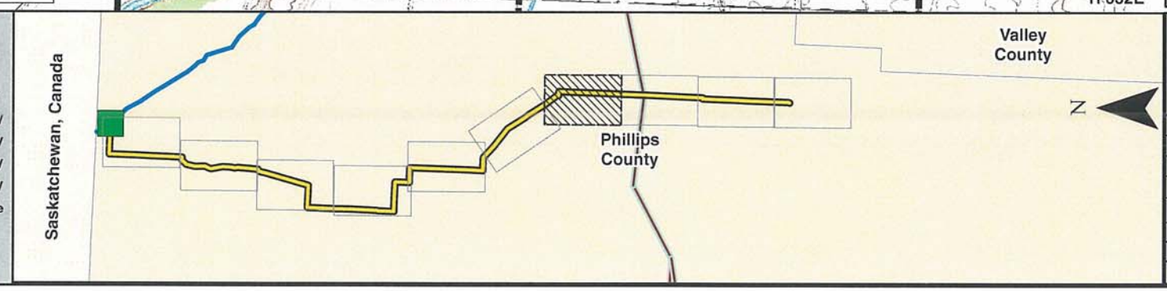


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

MAP PARAMETERS
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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-07 -Q | 07 of 10 | 0 |

S 34 T 032N R 033E | S 3 T 031N R 033E | S 10 T 031N R 033E | S 15 T 031N R 033E | S 22 T 031N R 033E | S 27 T 031N R 033E | S 34 T 031N R 033E

First Creek

S 33 T 032N R 033E | S 4 T 031N R 033E | S 9 T 031N R 033E | S 16 T 031N R 033E | S 21 T 031N R 033E | S 28 T 031N R 033E | S 33 T 031N R 033E

SEE SHEET 09-07 | SEE SHEET 09-08 | SEE SHEET 09-08 | SEE SHEET 09-09

PR 40 Reservoir

MP 12 | MP 11 | MP 10 | MP 9 | MP 8 | MP 7

S 32 T 032N R 033E | S 5 T 031N R 033E | S 8 T 031N R 033E | S 17 T 031N R 033E | S 20 T 031N R 033E | S 29 T 031N R 033E | S 32 T 031N R 033E

Phillips County

MT

69kV

Old Us Hwy 2

S 31 T 032N R 033E | S 6 T 031N R 033E | S 7 T 031N R 033E | S 18 T 031N R 033E | S 19 T 031N R 033E | S 30 T 031N R 033E | S 31 T 031N R 033E

Beaver Creek

Ashfield Reservoir

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

S 12 T 031N | S 13 T 031N

7/31/08 Centerline

## Legend

- Milepost
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Voltage
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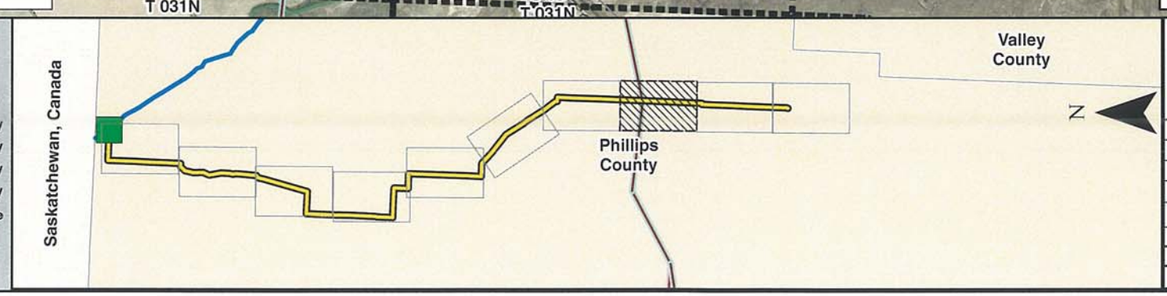



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PHILLIPS COUNTY, MONTANA
**PS-09**

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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-08 -A | 08 of 10 | 0 |

S 34 T 032N R 033E | S 3 T 031N R 033E | S 10 T 031N R 033E | S 15 T 031N R 033E | S 22 T 031N R 033E | S 27 T 031N R 033E | S 34 T 031N R 033E

S 33 T 032N R 033E | S 4 T 031N R 033E | S 9 T 031N R 033E | S 16 T 031N R 033E | S 21 T 031N R 033E | S 28 T 031N R 033E | S 33 T 031N R 033E

S 32 T 032N R 033E | S 5 T 031N R 033E | S 8 T 031N R 033E | S 17 T 031N R 033E | S 20 T 031N R 033E | S 29 T 031N R 033E | S 32 T 031N R 033E

S 31 T 032N R 033E | S 6 T 031N R 033E | S 7 T 031N R 033E | S 18 T 031N R 033E | S 19 T 031N R 033E | S 30 T 031N R 033E | S 31 T 031N R 033E

S 12 T 031N | S 13 T 031N

SEE SHEET 09-07

SEE SHEET 09-08

SEE SHEET 09-08

SEE SHEET 09-09

MP 12

MP 11

MP 10

MP 9

MP 8

MP 7

Phillips County

69kV

Old US Hwy 2

First Creek

PR 40 Reservoir

Ashfield Reservoir

Beaver Creek

Nelson

Ashfield

Coulee

Hay

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

Feet

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
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- Below 230kV
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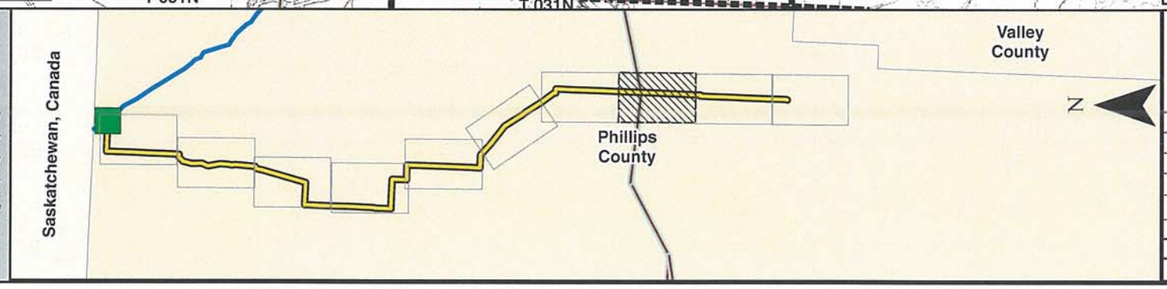



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Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
PS-09

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

| NO. | REVISION | DATE |
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| 0 | ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL) | 11.19.08 |

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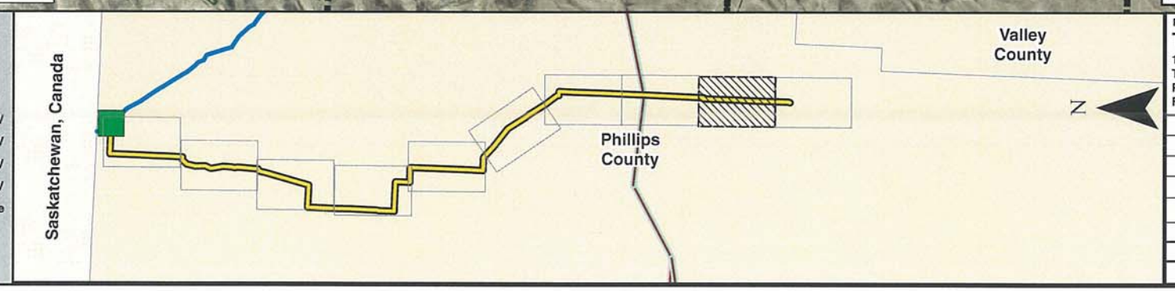
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-08 -Q | 08 of 10 | 0 |

S 34 T 031N R 033E
S 3 T 030N R 033E
S 10 T 030N R 033E
S 15 T 030N R 033E
Third Creek
S 22 T 030N R 033E
S 27 T 030N R 033E
S 34 T 030N R 033E
S 33 T 031N R 033E
SEE SHEET 09-08
SEE SHEET 09-09
S 4 T 030N R 033E
S 9 T 030N R 033E
S 16 T 030N R 033E
S 21 T 030N R 033E
S 28 T 030N R 033E
SEE SHEET 09-09
SEE SHEET 09-10
S 33 T 030N R 033E
Phillips County
MT
MP 6
MP 5
MP 4
MP 3
MP 2
MP 1
S 32 T 031N R 033E
S 5 T 030N R 033E
Second Creek
S 8 T 030N R 033E
S 17 T 030N R 033E
S 20 T 030N R 033E
S 29 T 030N R 033E
S 32 T 030N R 033E
S 31 T 031N R 033E
S 6 T 030N R 033E
S 7 T 030N R 033E
S 18 T 030N R 033E
S 19 T 030N R 033E
S 30 T 030N R 033E
S 31 T 030N R 033E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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| AH | SS | RG | 50388X | XL-30-ML-2003-P-09-09-A | 09 of 10 | 0 |

S 34
T 031N
R 033E

S 3
T 030N
R 033E

S 10
T 030N
R 033E

S 15
T 030N
R 033E

S 22
T 030N
R 033E

S 27
T 030N
R 033E

S 34
T 030N
R 033E

S 33
T 031N
R 033E

SEE SHEET 09-08

SEE SHEET 09-09

S 4
T 030N
R 033E

S 9
T 030N
R 033E

S 16
T 030N
R 033E

S 21
T 030N
R 033E

S 28
T 030N
R 033E

SEE SHEET 09-09

SEE SHEET 09-10

S 33
T 030N
R 033E

Phillips
County

MT

MP 6

MP 5

MP 4

MP 3

MP 2

MP 1

S 32
T 031N
R 033E

S 5
T 030N
R 033E

Second Creek

S 8
T 030N
R 033E

S 17
T 030N
R 033E

S 20
T 030N
R 033E

S 29
T 030N
R 033E

S 32
T 030N
R 033E

Coulee

Thomas Coulee

Gibertson Coulee

Crooks Coulee

S 31
T 031N
R 033E

S 6
T 030N
R 033E

S 7
T 030N
R 033E

S 18
T 030N
R 033E

S 19
T 030N
R 033E

S 30
T 030N
R 033E

S 31
T 030N
R 033E

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

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
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- Section Line

**Electric Lines**
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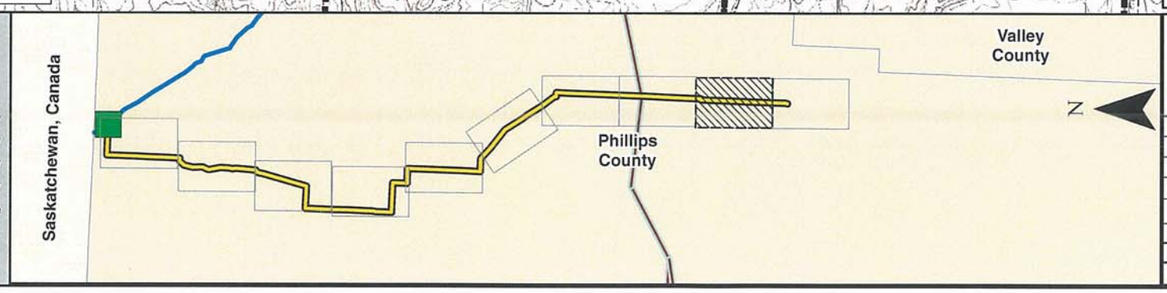
- DC

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PHILLIPS COUNTY, MONTANA
PS-09

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S 27 T 030N R 033E
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S 10 T 029N R 033E
S 15 T 029N R 033E
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S 33 T 030N R 033E
S 4 T 029N R 033E
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S 16 T 029N R 033E
S 21 T 029N R 033E
S 28 T 029N R 033E
S 29 T 030N R 033E
S 32 T 030N R 033E
S 5 T 029N R 033E
S 8 T 029N R 033E
S 17 T 029N R 033E
S 20 T 029N R 033E
S 29 T 029N R 033E
S 30 T 030N R 033E
S 31 T 030N R 033E
S 6 T 029N R 033E
S 7 T 029N R 033E
S 18 T 029N R 033E
S 19 T 029N R 033E
S 30 T 029N R 033E

SEE SHEET 09-09
SEE SHEET 09-10

EXISTING WAPA 230kV OPERATING AT 161kV

MT

Phillips County

MP 1

MP 0

WAPA 203-161/115kV SUBSTATION LOCATION

7/31/08 Centerline

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

## Legend

- Milepost
- Keystone XL Project
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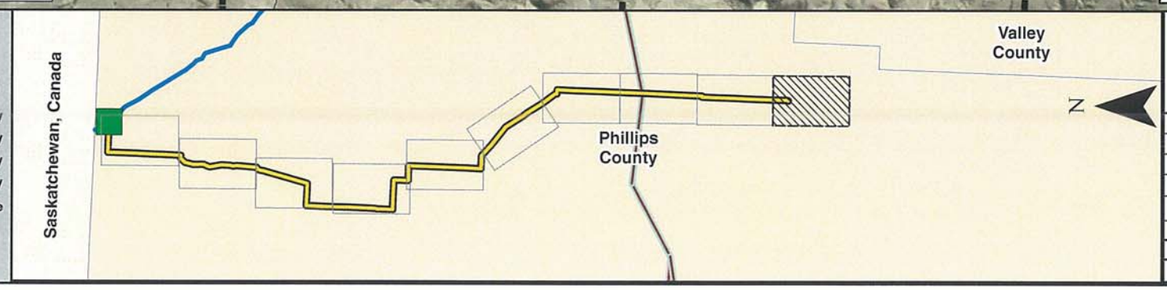
- DC

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TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
**PS-09**

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SCALE: 1:24000 ; 1"=2000'

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S 27
T 030N
R 033E

S 34
T 030N
R 033E

S 3
T 029N
R 033E

S 10
T 029N
R 033E

S 15
T 029N
R 033E

S 22
T 029N
R 033E

S 28
T 030N
R 033E

SEE SHEET 09-09

SEE SHEET 09-10

S 33
T 030N
R 033E

S 4
T 029N
R 033E

S 9
T 029N
R 033E

S 16
T 029N
R 033E

S 21
T 029N
R 033E

S 28
T 029N
R 033E

EXISTING WAPA 230kV
OPERATING AT 161kV

MT

Phillips
County

MP
1

MP
0

WAPA 203-161/115kV
SUBSTATION LOCATION

S 29
T 030N
R 033E

S 32
T 030N
R 033E

S 5
T 029N
R 033E

S 8
T 029N
R 033E

S 17
T 029N
R 033E

S 20
T 029N
R 033E

S 29
T 029N
R 033E

S 30
T 030N
R 033E

S 31
T 030N
R 033E

S 6
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S 19
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R 033E

S 30
T 029N
R 033E

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

7/31/08 Centerline

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
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Electric Lines
Voltage

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- 230kV - 344kV
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- 500kV - 734kV
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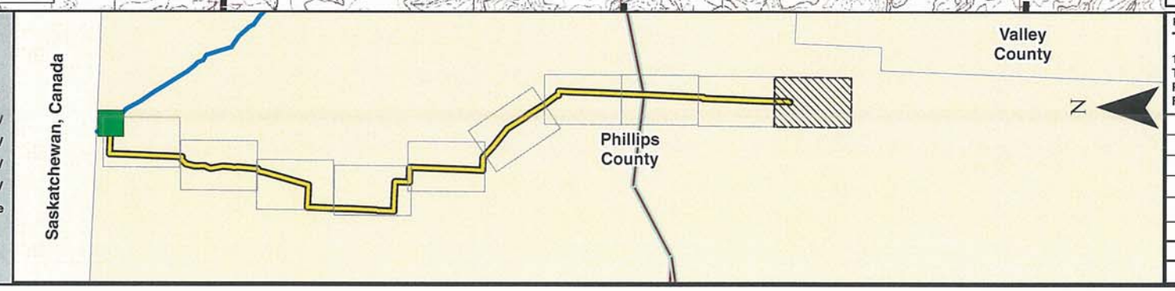
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PHILLIPS COUNTY, MONTANA
PS-09

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

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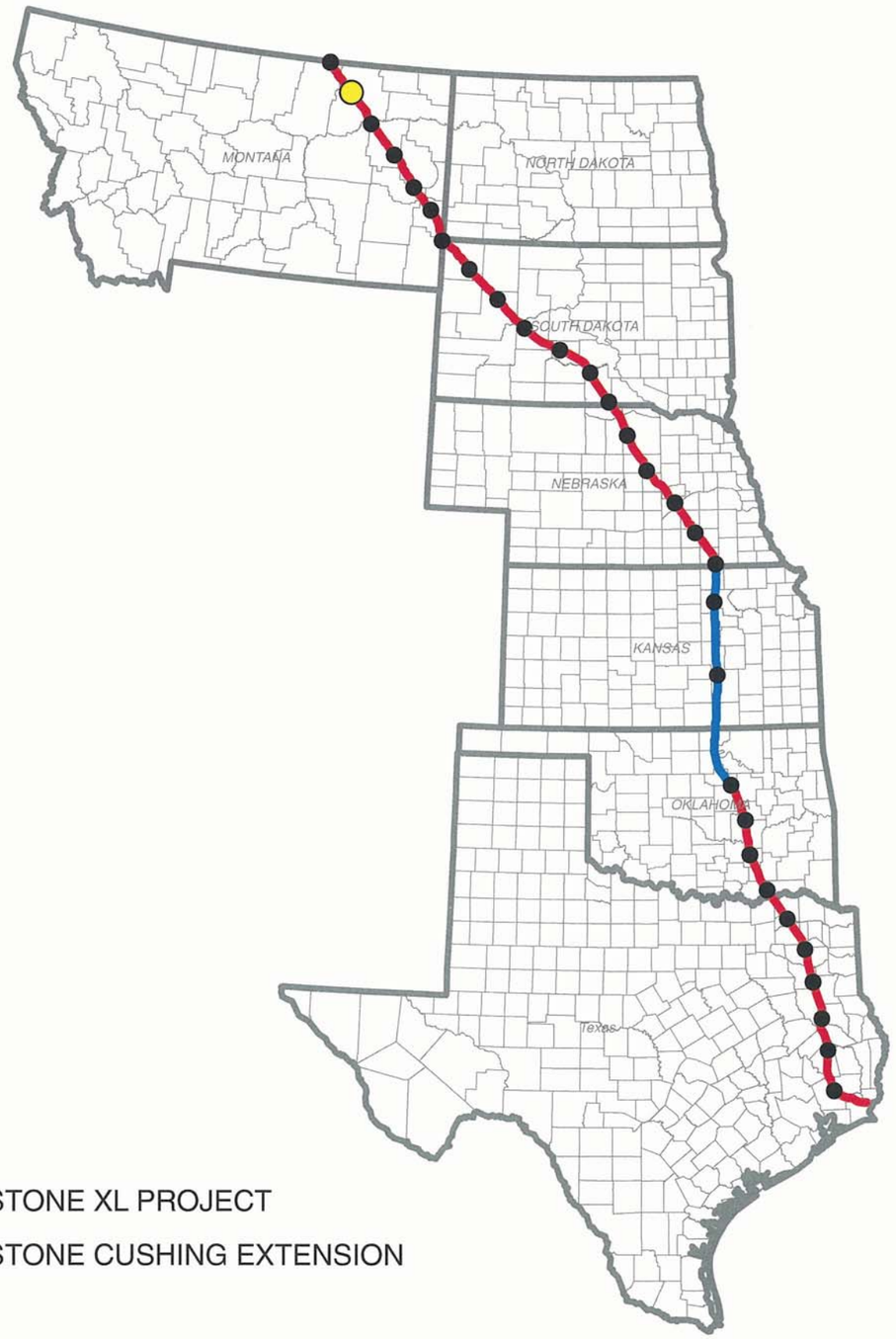
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 09-10 -Q | 10 of 10 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-10




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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S 35 T 032N R 037E | S 36 T 032N R 037E | S 31 T 032N R 038E | S 32 T 032N R 038E | S 33 T 032N R 038E | S 34 T 032N R 038E | S 35 T 032N R 038E

S 2 T 031N R 037E | S 1 T 031N R 037E | S 6 T 031N R 038E | S 5 T 031N R 038E | S 4 T 031N R 038E | S 3 T 031N R 038E | S 2 T 031N R 038E

S 11 T 031N R 037E | S 12 T 031N R 037E | S 7 T 031N R 038E | S 8 T 031N R 038E | S 9 T 031N R 038E | S 10 T 031N R 038E | S 11 T 031N R 038E

Bear Creek | Brush Fork | Canyon Creek | Wolf Creek | Reservoir Number Four | Bear Creek Rd

SEE SHEET 10-01 | SEE SHEET 10-02

PS-10 Valley County

MP 46 | MP 47 | MP 48 | MP 49 | MP 50 | MP 51

N | S | E | W

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

**Legend**

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
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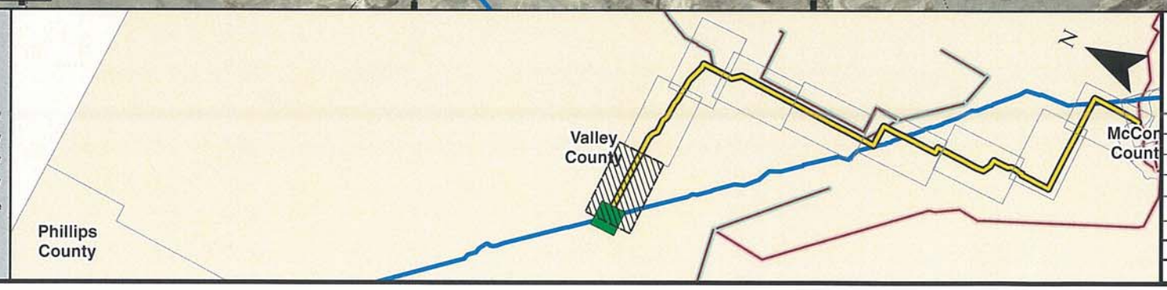
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

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

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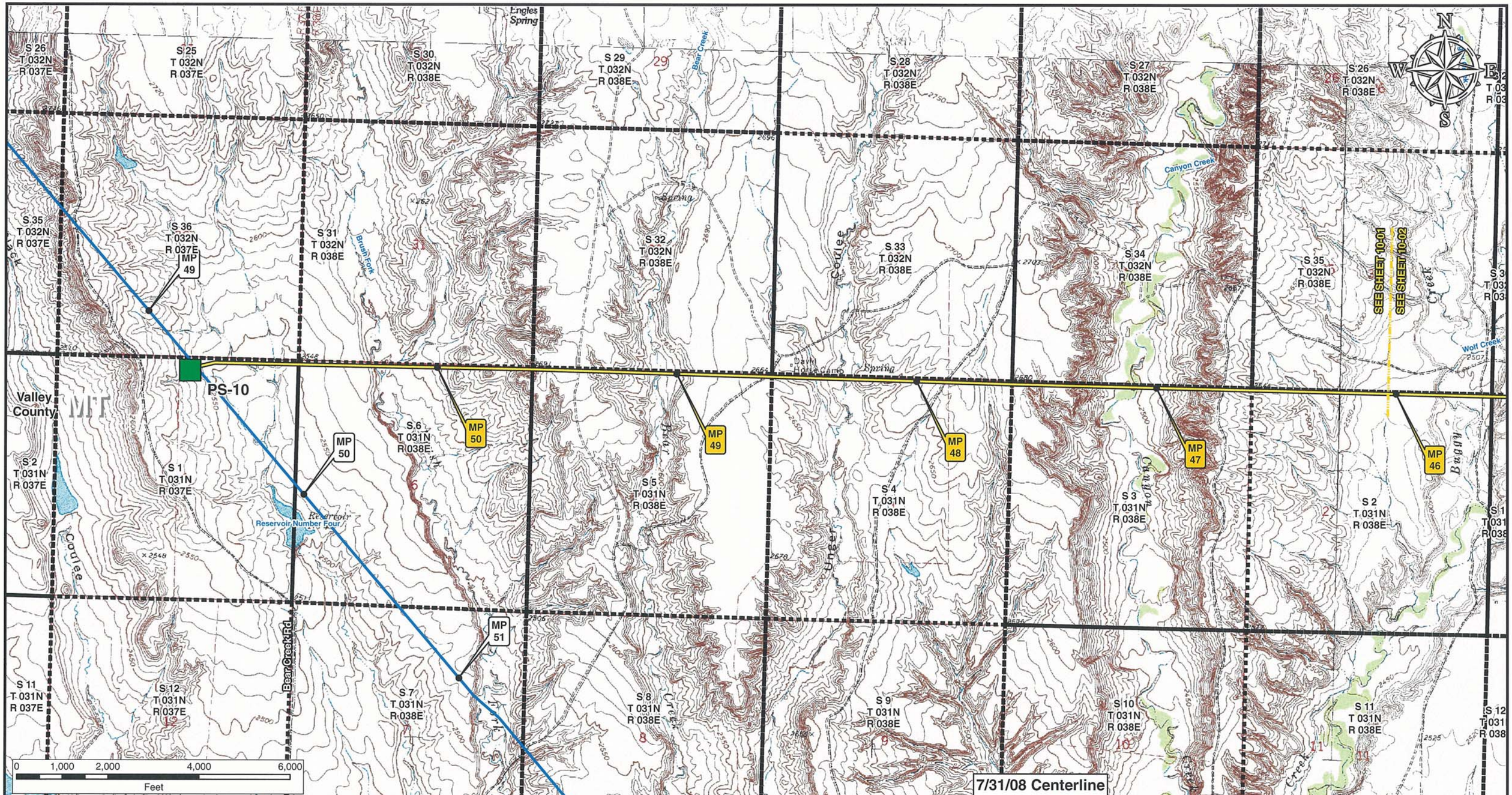


**Legend**

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- Section Line

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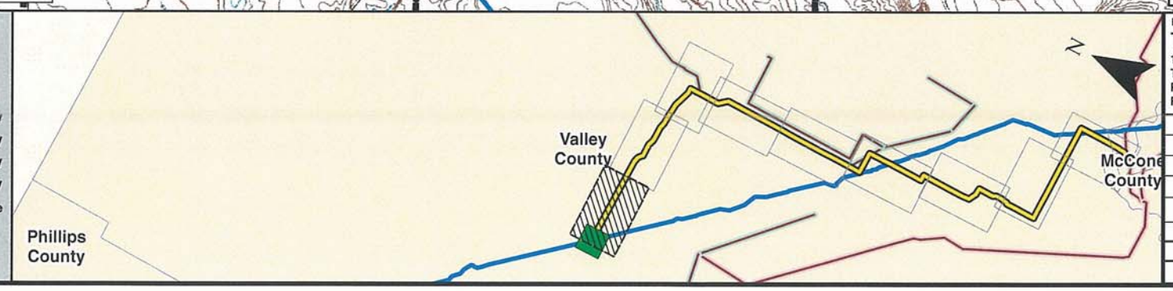



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VALLEY COUNTY, MONTANA
PS-10

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S 2 T 031N R 038E | S 1 T 031N R 038E | S 6 T 031N R 039E | S 5 T 031N R 039E | S 4 T 031N R 039E | S 3 T 031N R 039E | S 2 T 031N R 039E

S 11 T 031N R 038E | S 12 T 031N R 038E | S 7 T 031N R 039E | S 8 T 031N R 039E | S 9 T 031N R 039E | S 10 T 031N R 039E | S 11 T 031N R 039E

S 13 T 031N

Wolf Creek | Buggy Creek | Cherry Creek | Crooked Creek | Spring Creek | Jensen Trl

SEE SHEET 10-01 | SEE SHEET 10-02 | SEE SHEET 10-02 | SEE SHEET 10-03

MP 46 | MP 45 | MP 44 | MP 43 | MP 42 | MP 41

Valley County | Phillips County | McCon County

N | S | E | W

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

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

MAP PARAMETERS
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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-02 -A | 02 of 09 | 0 |

**Legend**

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- Matchline
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Voltage

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- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
PS-10

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S 34
T 032N
R 039E

S 35
T 032N
R 039E

S 36
T 032N
R 039E

S 31
T 032N
R 040E

S 32
T 032N
R 040E

S 33
T 032N
R 040E

SEE SHEET 10-02

SEE SHEET 10-03

S 3
T 031N
R 039E

S 2
T 031N
R 039E

S 1
T 031N
R 039E

S 6
T 031N
R 040E

S 5
T 031N
R 040E

S 4
T 031N
R 040E

S 3
T 031N
R 040E

Cherry Creek

MP 41

MP 40

MP 39

S 12
T 03
R 03

Valley County

S 7
T 031N
R 040E

69kV

REPLACE 69kV WITH 115kV

REPLACE 69kV WITH 115kV

MP 38

S 10
T 031N
R 039E

S 11
T 031N
R 039E

S 8
T 031N
R 040E

S 9
T 031N
R 040E

S 10
T 031N
R 040E

S 15
T 031N
R 039E

S 14
T 031N
R 039E

S 13
T 031N
R 039E

S 18
T 031N
R 040E

Trout Pond Rd

S 17
T 031N
R 040E

S 16
T 031N
R 040E

S 15
T 031N
R 040E

SEE SHEET 10-03

SEE SHEET 10-04

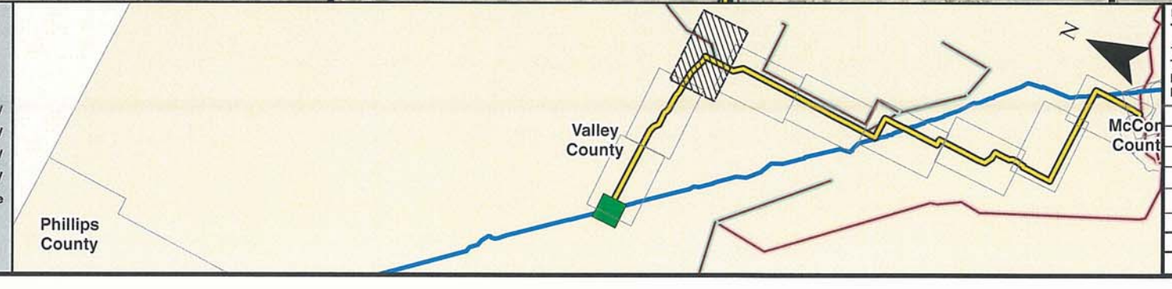
MP 37

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

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
VALLEY COUNTY, MONTANA
**PS-10**

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-10-03-A | 03 of 09 | 0 |

S 34 T 032N R 039E
S 35 T 032N R 039E
S 36 T 032N R 039E
S 31 T 032N R 040E
S 32 T 032N R 040E
S 33 T 032N R 040E
SEE SHEET 10-02
SEE SHEET 10-03
S 3 T 031N R 039E
S 2 T 031N R 039E
S 1 T 031N R 039E
S 6 T 031N R 040E
S 5 T 031N R 040E
S 4 T 031N R 040E
S 3 T 031N R 040E
MP 41
MP 40
MP 39
MP 38
MP 37
Cherry Creek
Spring
Valley County
S 10 T 031N R 039E
S 11 T 031N R 039E
S 12 T 031N R 039E
S 7 T 031N R 040E
69kV
S 8 T 031N R 040E
S 9 T 031N R 040E
S 10 T 031N R 040E
REPLACE 69kV WITH 115kV
REPLACE 69kV WITH 115kV
Gravel Pits
Gravel Pit
Trout Pond Rd
S 18 T 031N R 040E
S 17 T 031N R 040E
S 16 T 031N R 040E
S 15 T 031N R 040E
S 15 T 031N R 039E
S 14 T 031N R 039E
S 13 T 031N R 039E
SEE SHEET 10-03
SEE SHEET 10-04
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

## Legend

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

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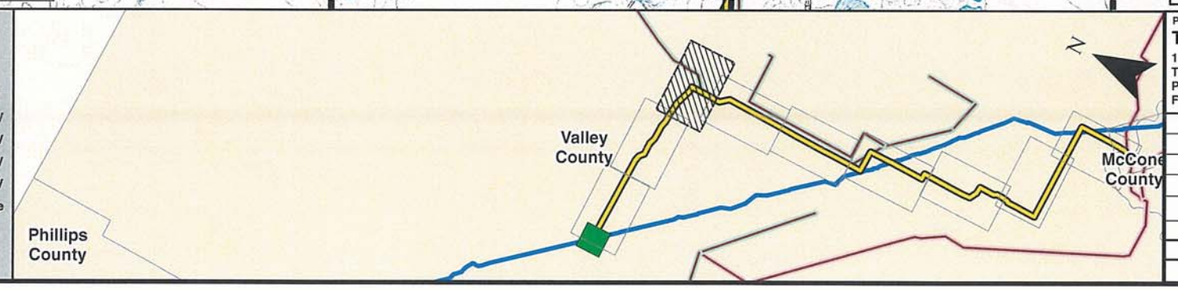
- DC





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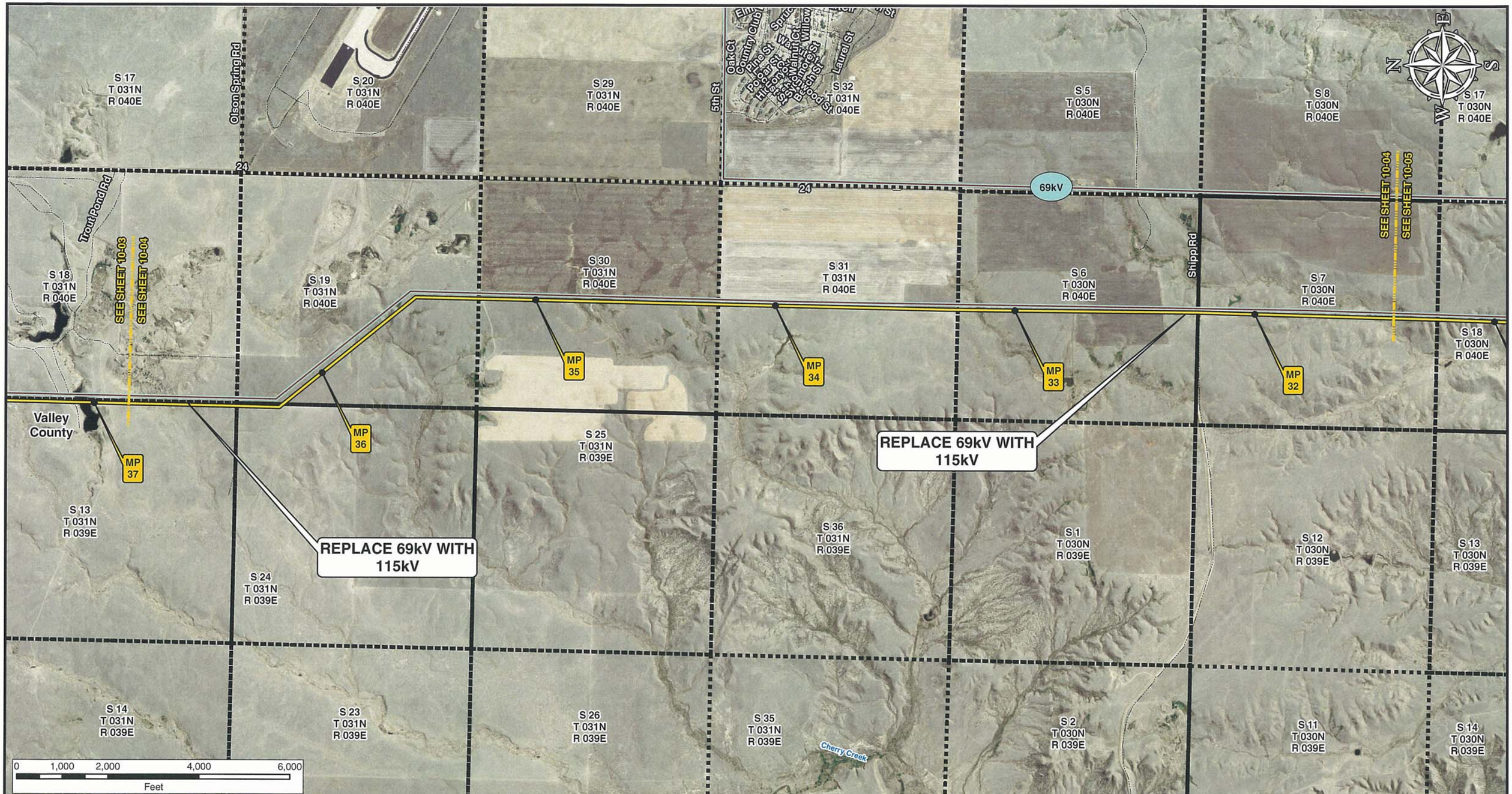
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

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- 10-03 -Q | 03 of 09 | 0 |




**Legend**

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

**Electric Lines**

Voltage

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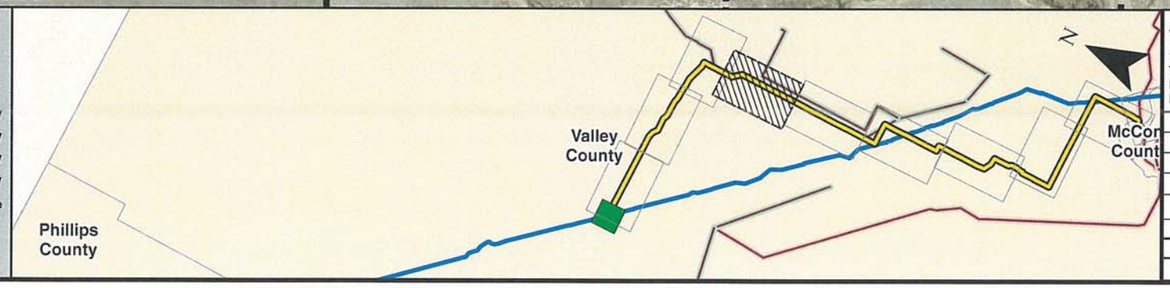



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
PS-10

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

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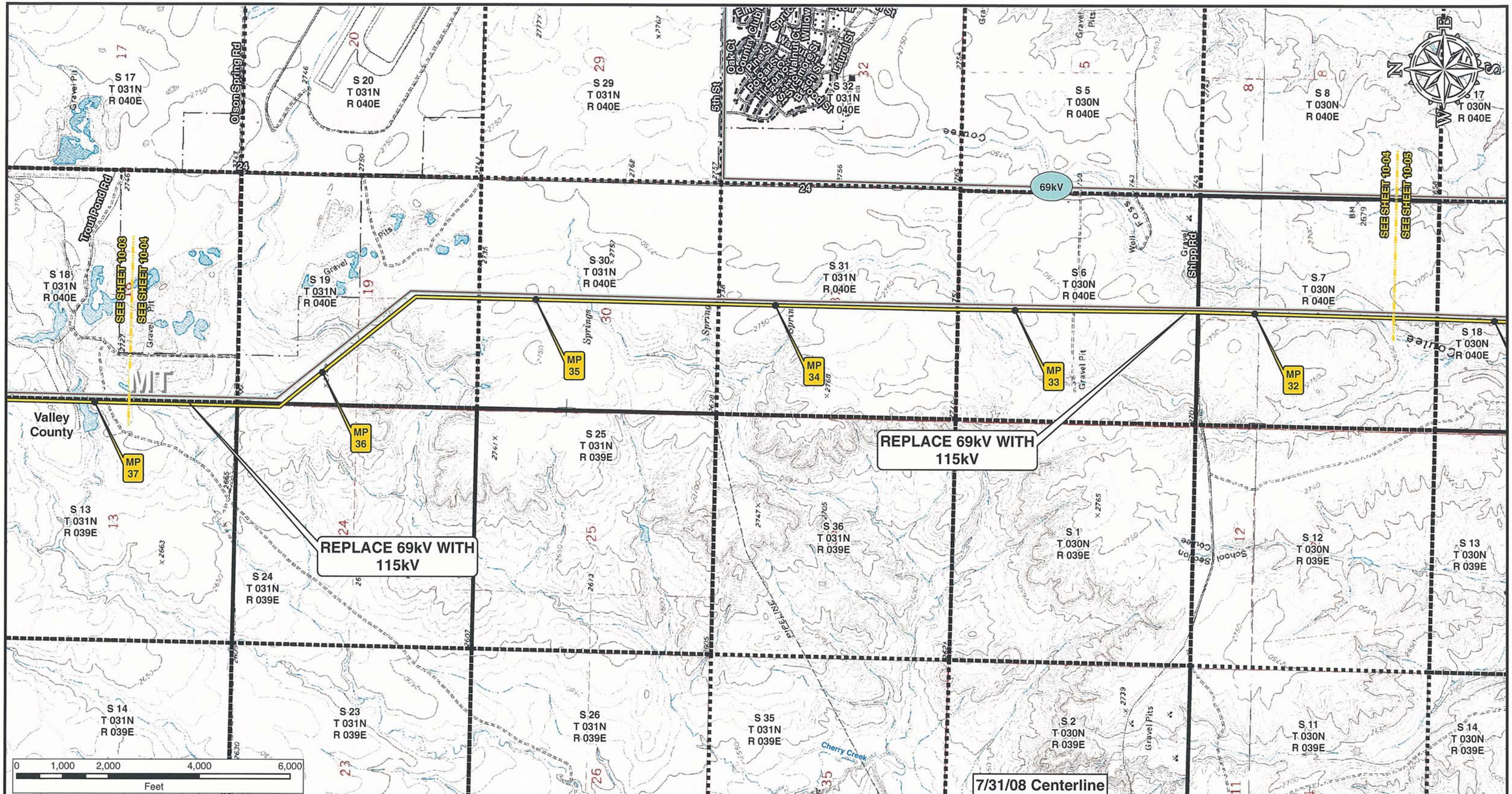
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-04 -A | 04 of 09 | 0 |




**Legend**

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

**Electric Lines**

Voltage

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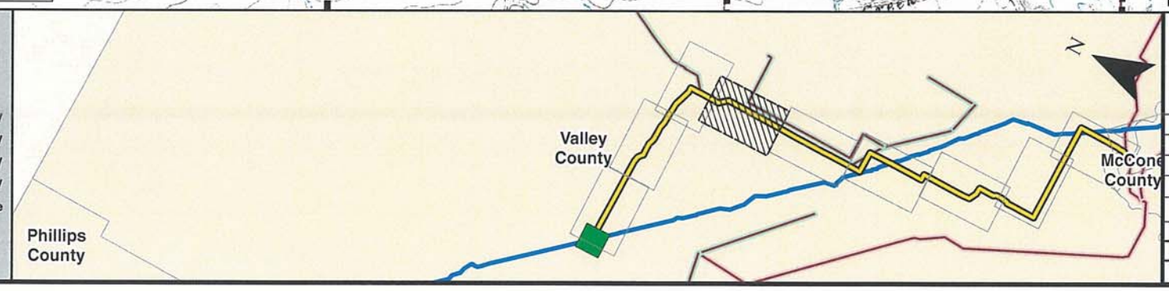
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
PS-10

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- 10-04 -Q | 04 of 09 | 0 |

S 9 T 030N R 040E
S 16 T 030N R 040E
S 21 T 030N R 040E
S 28 T 030N R 040E
S 33 T 030N R 040E
S 4 T 029N R 040E
S 8 T 030N R 040E
S 17 T 030N R 040E
S 20 T 030N R 040E
S 29 T 030N R 040E
S 32 T 030N R 040E
S 5 T 029N R 040E
S 8 T 029N R 040E
Gilbertson Rd
SEE SHEET 10-04
SEE SHEET 10-05
69kV
24
24
SEE SHEET 10-05
SEE SHEET 10-06
69kV
S 7 T 030N R 040E
S 18 T 030N R 040E
S 19 T 030N R 040E
S 30 T 030N R 040E
S 31 T 030N R 040E
S 6 T 029N R 040E
S 7 T 029N R 040E
Valley County
MP 31
MP 30
MP 29
MP 28
MP 27
MP 26
REPLACE 69kV WITH 115kV
REPLACE 69kV WITH 115kV
S 12 T 030N R 039E
S 13 T 030N R 039E
S 24 T 030N R 039E
S 25 T 030N R 039E
S 36 T 030N R 039E
S 1 T 029N R 039E
S 12 T 029N R 039E
Mcvee Rd
MP 67
Cherry Creek
S 23 T 030N R 039E
S 26 T 030N R 039E
S 35 T 030N R 039E
S 2 T 029N
S 11 T 029N
0 1,000 2,000 4,000 6,000
Feet

**Legend**

- Milepost
- Keystone XL Project
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- Matchline
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- State Line
- County Line
- Section Line

**Electric Lines**
Voltage

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- 735kV - 999kV
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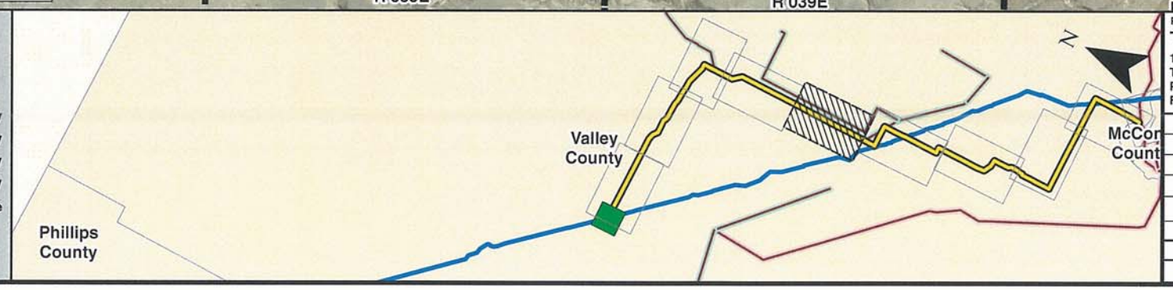


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

MAP PARAMETERS
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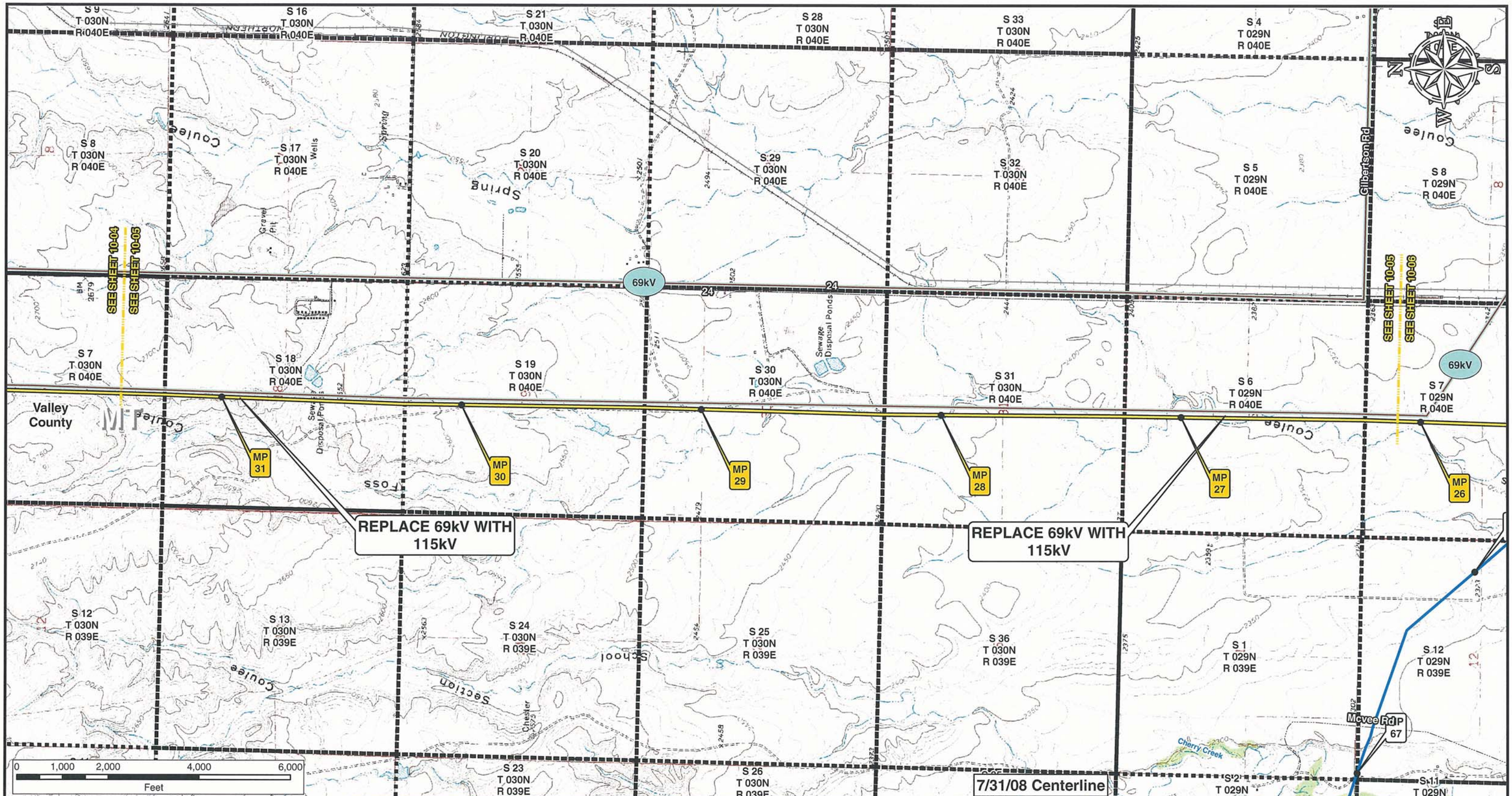
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-05 -A | 05 of 09 | 0 |




**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
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**Electric Lines**

Voltage

- Below 230kV
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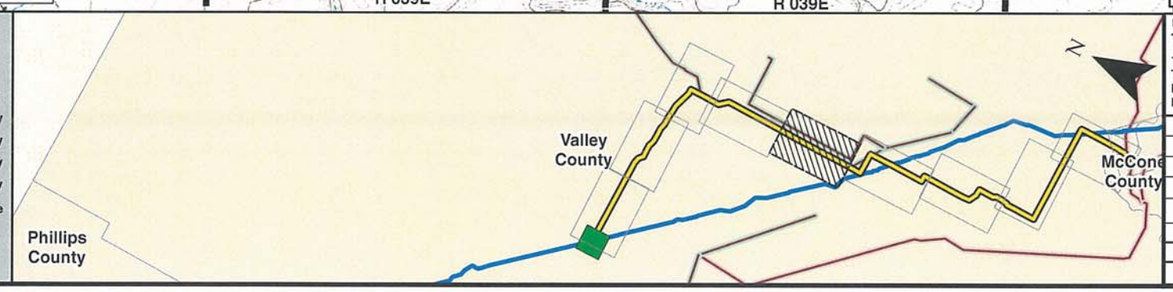



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
PS-10

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

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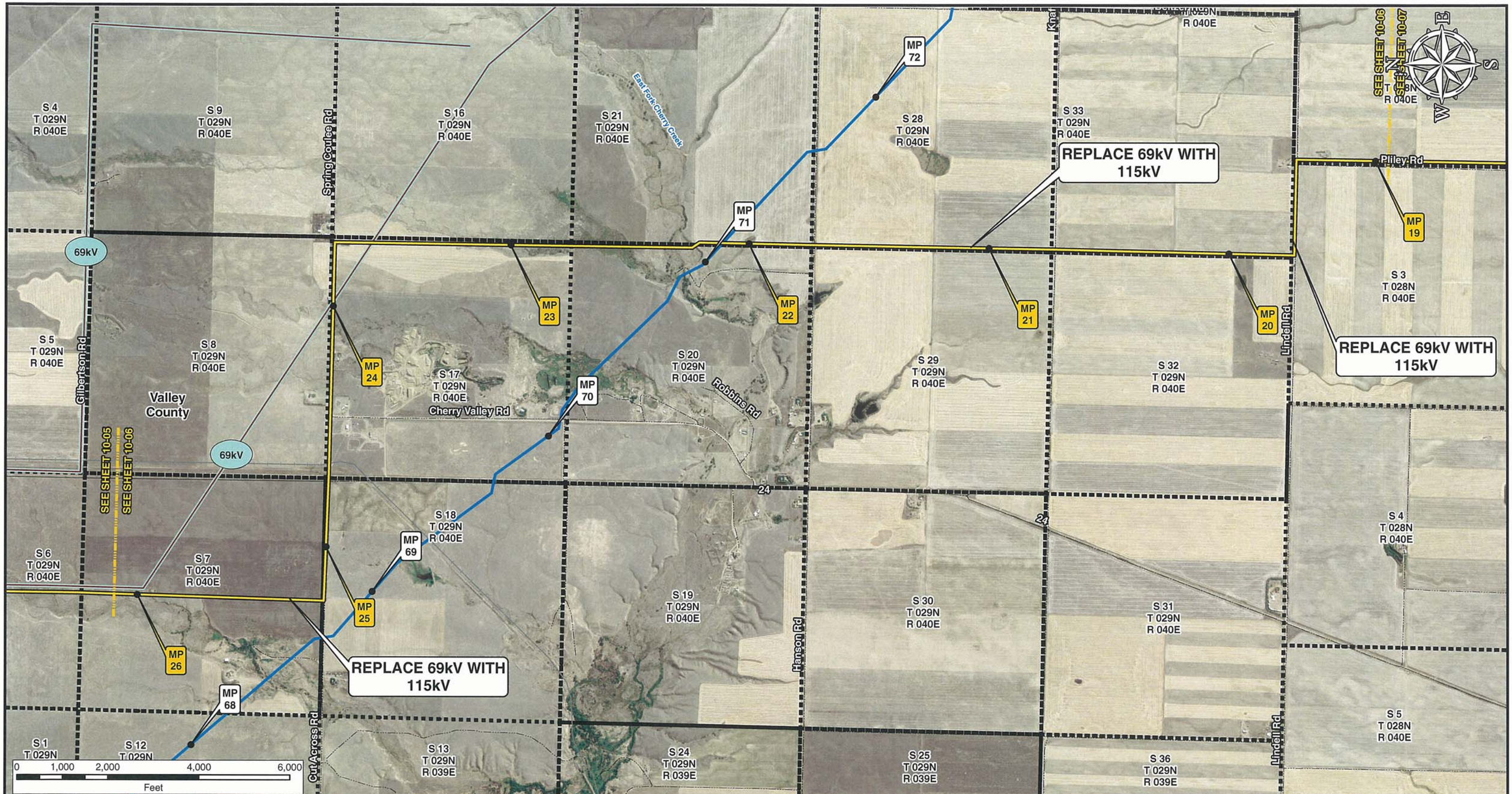
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-05 -Q | 05 of 09 | 0 |




**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
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**Electric Lines**

Voltage

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

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

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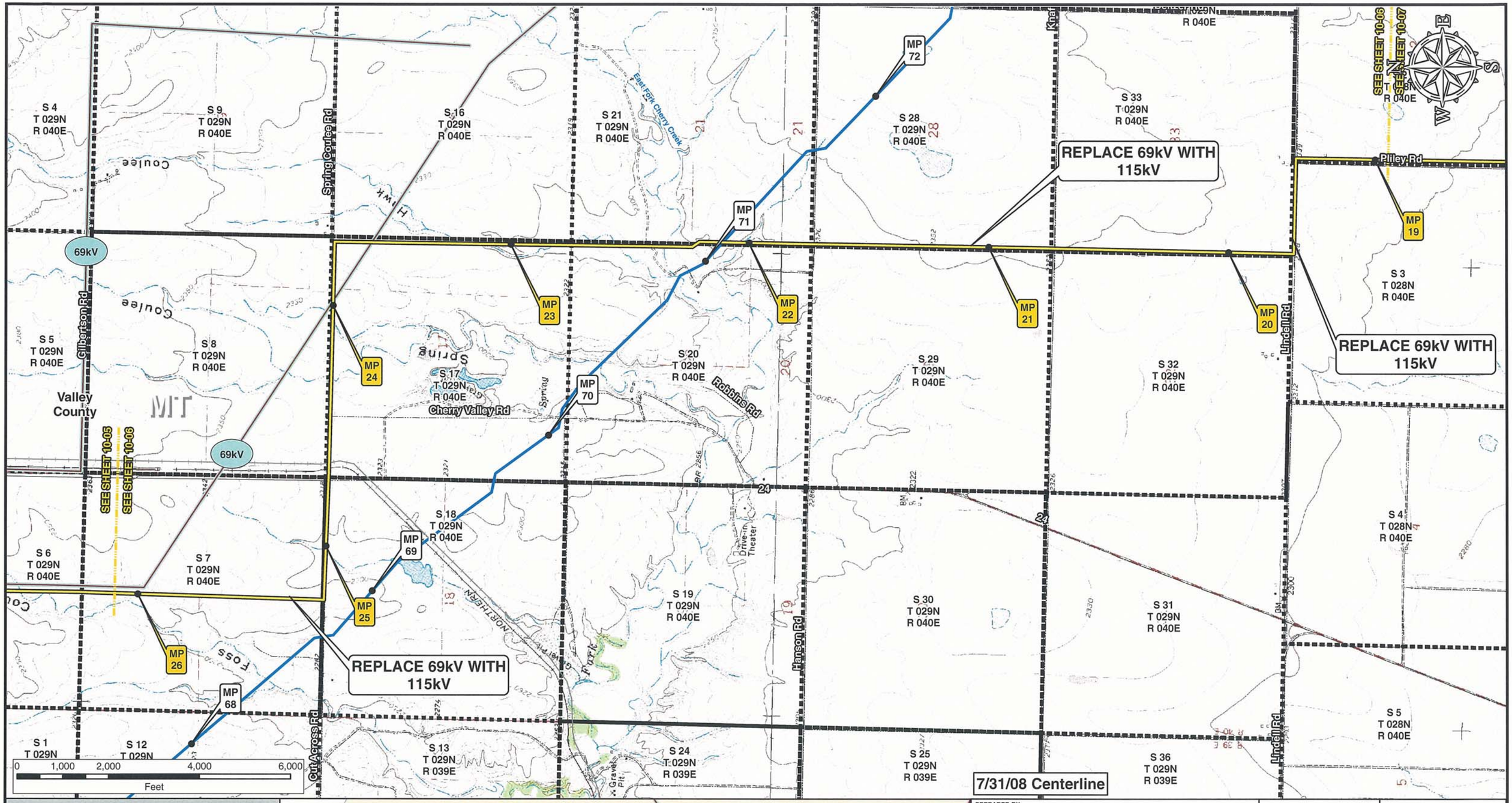
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-06 -A | 06 of 09 | 0 |




**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
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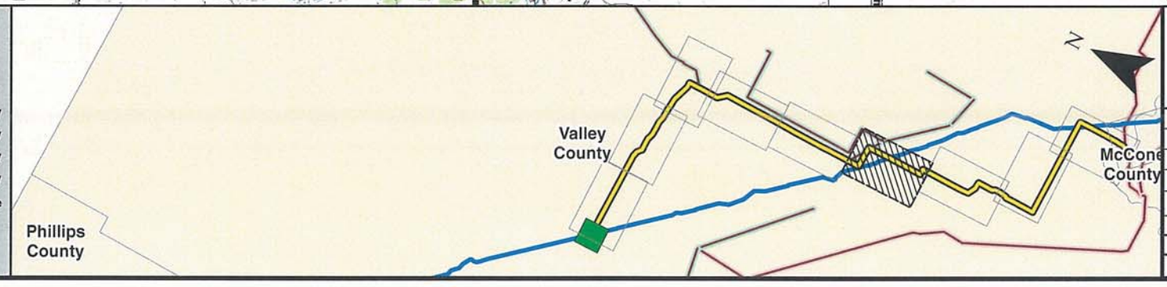



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA

**PS-10**

MAP PARAMETERS
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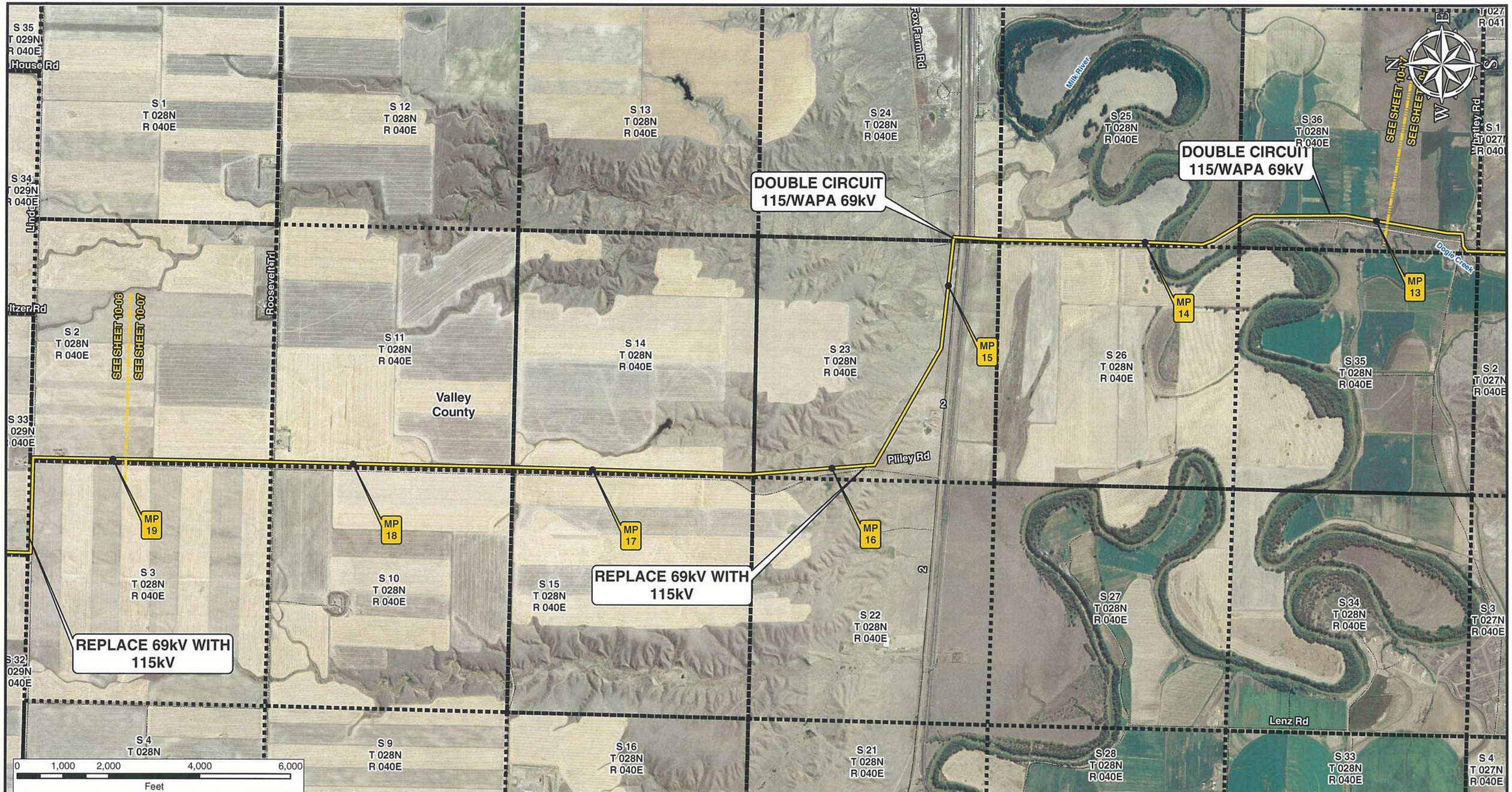


**Legend**

- Milepost
- Keystone XL Project
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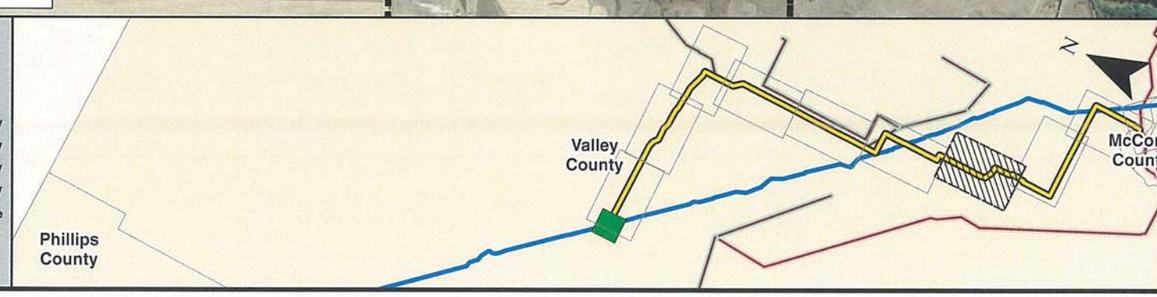


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

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

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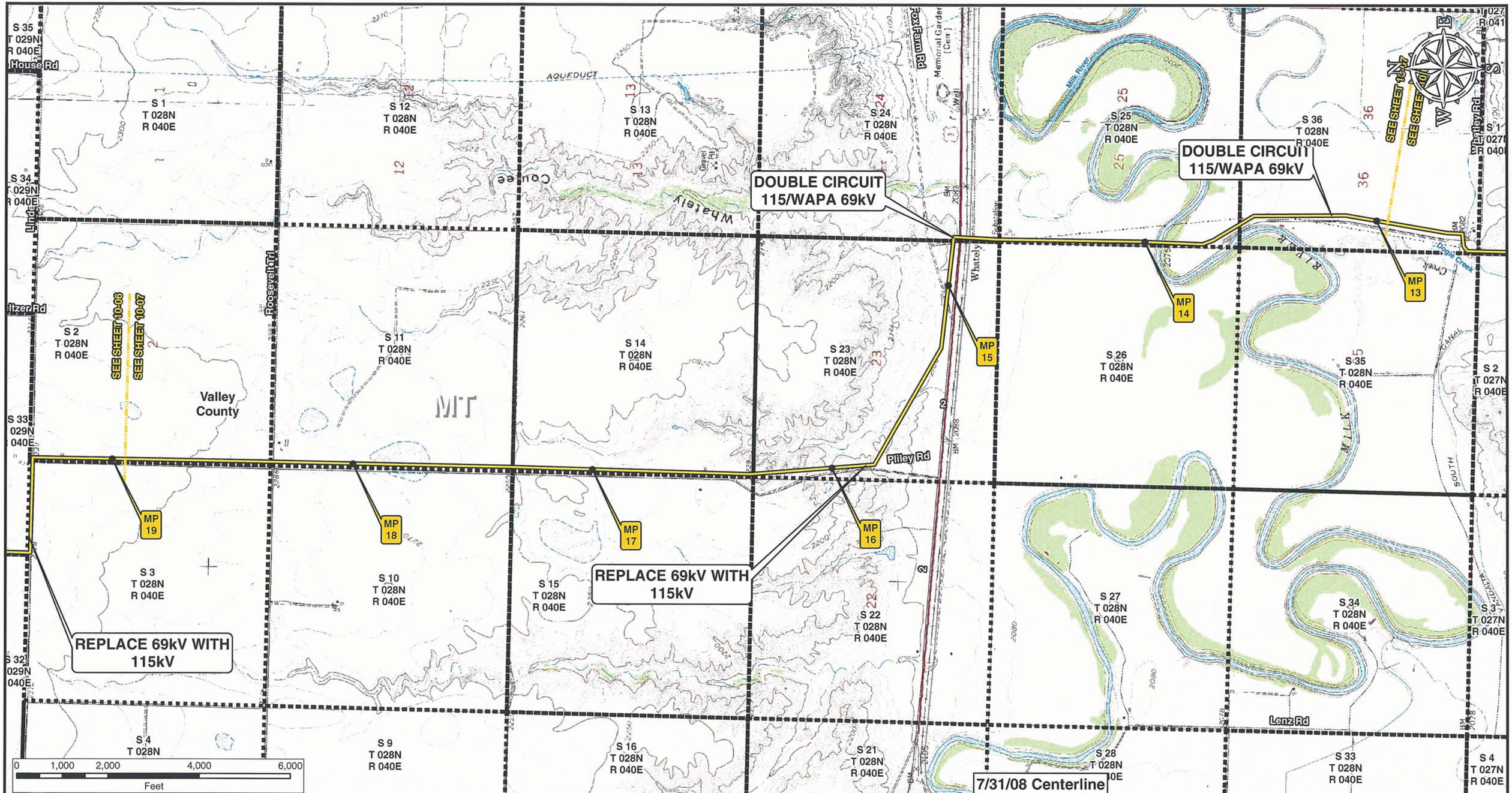


**Legend**

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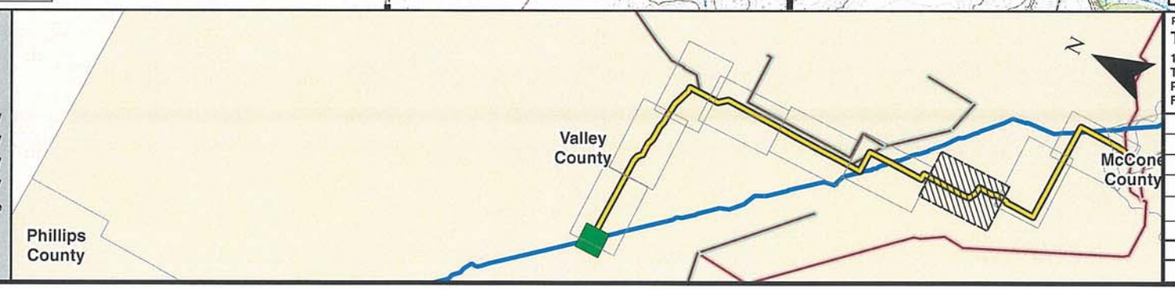


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KEYSTONE XL PROJECT
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VALLEY COUNTY, MONTANA
PS-10

MAP PARAMETERS
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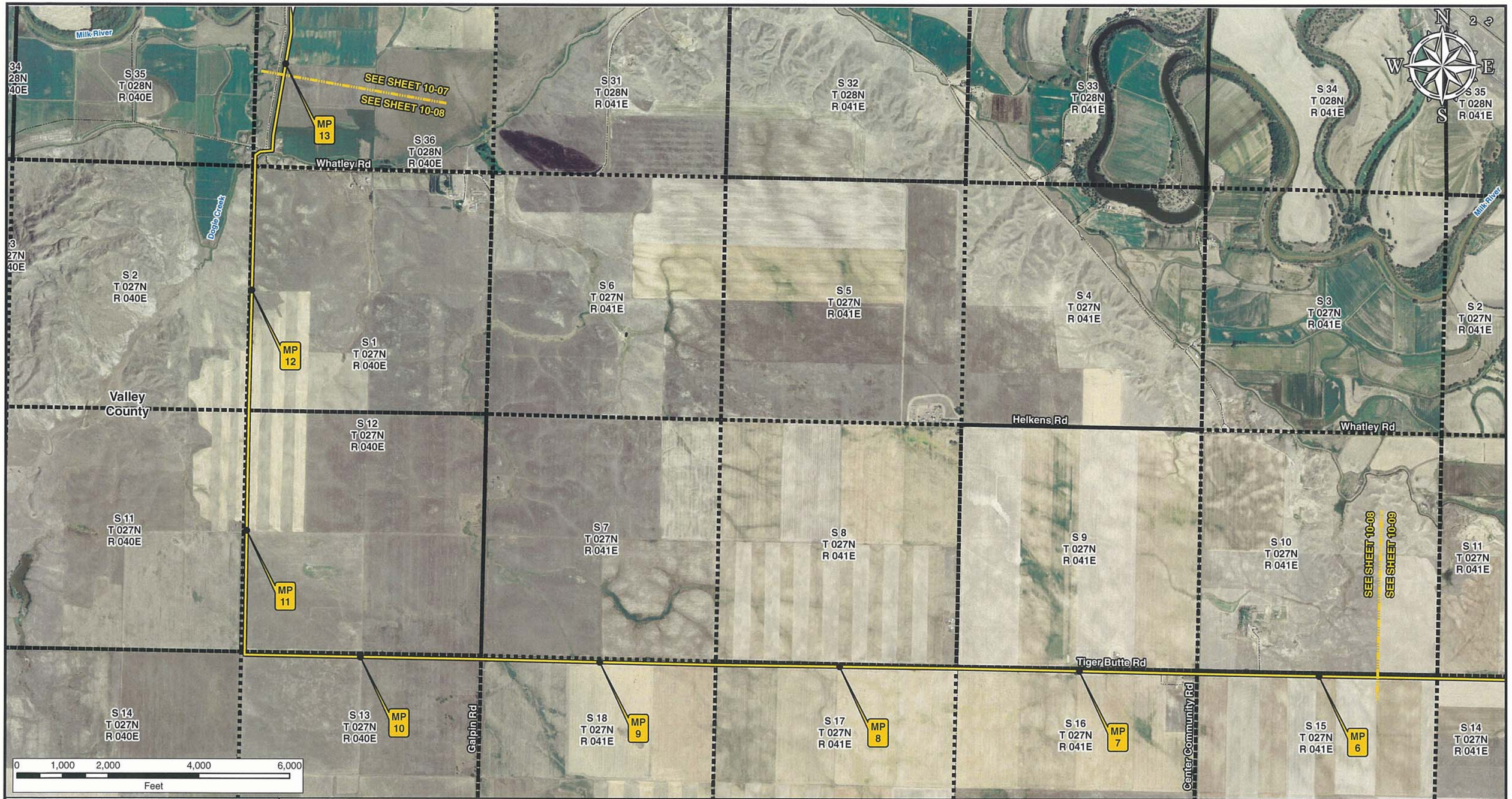
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-07 -Q | 07 of 09 | 0 |




**Legend**

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- Matchline
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, MONTANA
**PS-10**

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

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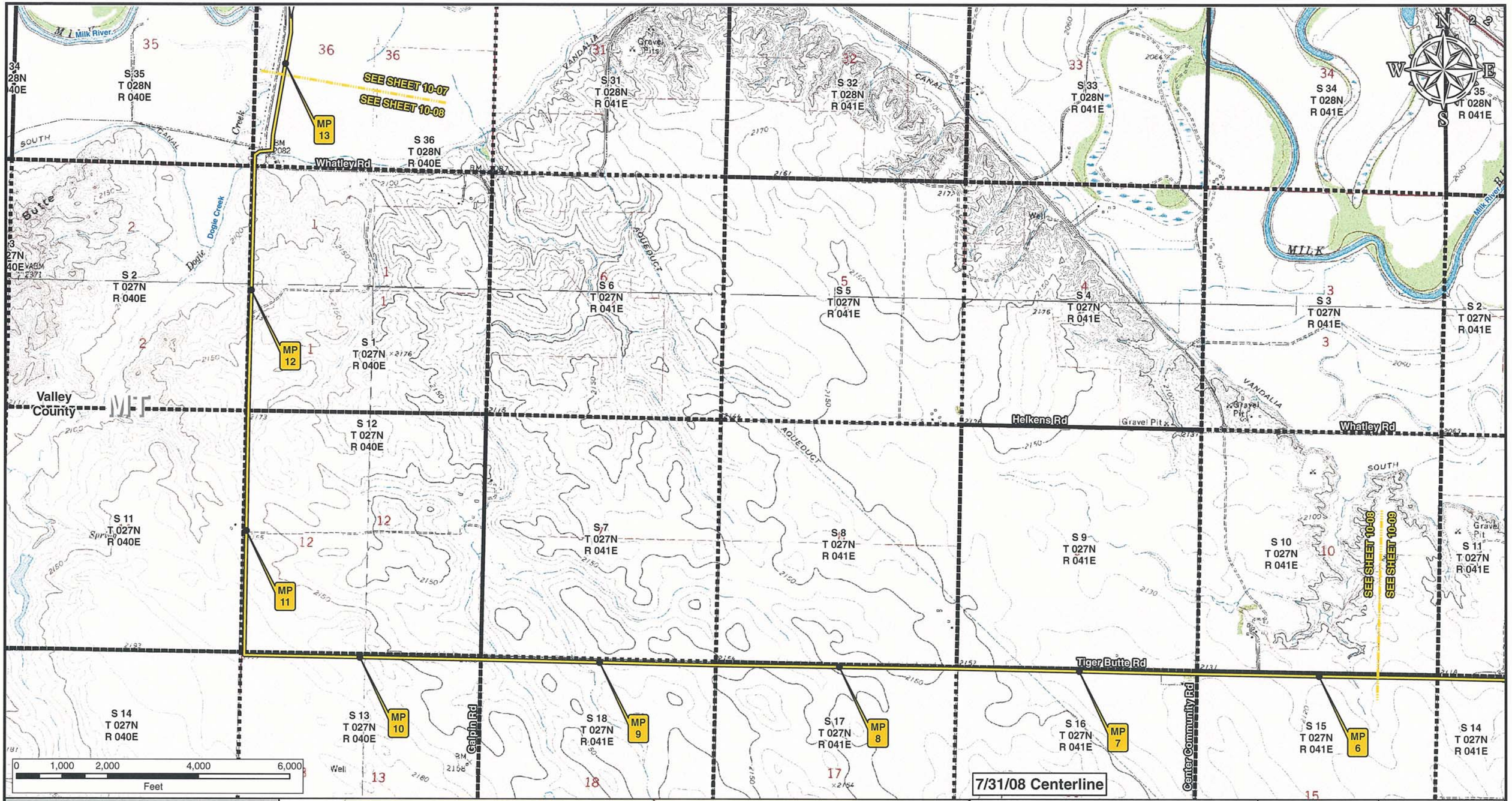
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-08 -A | 08 of 09 | 0 |



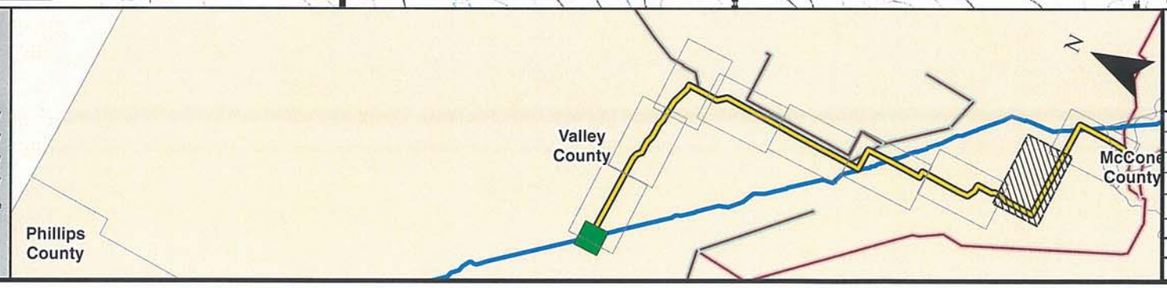

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
VALLEY COUNTY, MONTANA
**PS-10**

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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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 10-08 -Q | 08 of 09 | 0 |

REPLACE VALLEY EC 12.5kV

REPLACE VALLEY EC 12.5kV

WAPA DOUBLE CIRCUIT 230kV CONSTRUCTION OPERATING AT 115kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

FOREST GROVE SUB

MP 86
MP 85
MP 84
MP 3
MP 2
MP 1
MP 0
MP 4
MP 5

S 6 T 027N R 042E
S 7 T 027N R 042E
S 18 T 027N R 042E
S 19 T 027N R 042E
S 30 T 027N R 042E
S 31 T 027N R 042E
S 1 T 027N R 041E
S 12 T 027N R 041E
S 24 T 027N R 041E
S 25 T 027N R 041E
S 1 T 026N R 041E
S 13 T 027N R 041E
S 36 T 027N R 041E
S 11 T 027N R 041E
S 23 T 027N R 041E
S 26 T 027N R 041E
S 35 T 027N R 041E
S 2 T 026N R 041E
S 14 T 027N R 041E
S 15 T 027N R 041E
S 3 T 027N R 041E
S 10 T 027N R 041E
S 22 T 027N R 041E
S 27 T 027N R 041E
S 34 T 027N R 041E
S 3 T 026N R 041E

Milk River
River Rd
Rexhausen Rd
Ball Rd
Carlson Rd
School Section Rd
Garwood Rd
Yager Rd
Turner Rd
Whatley Rd
Tiger Butte Rd
GC Rd
117
230

Valley County
McCone County

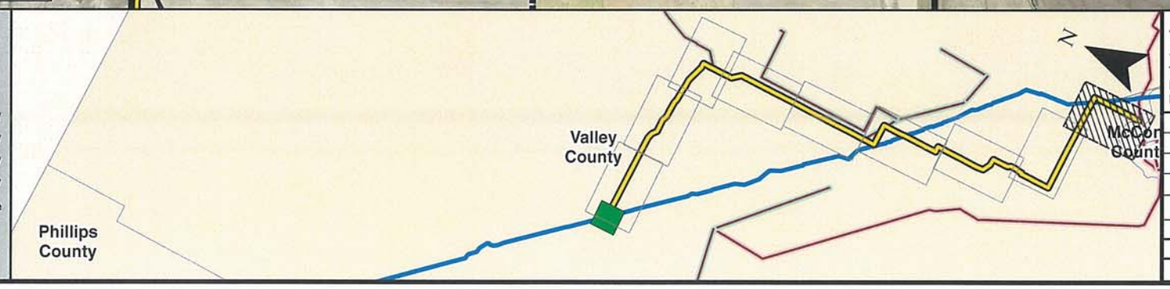
SEE SHEET 10-09
SEE SHEET 10-08

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

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
VALLEY COUNTY, MONTANA
**PS-10**

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-10-09-A | 09 of 09 | 0 |

REPLACE VALLEY EC 12.5kV

REPLACE VALLEY EC 12.5kV

WAPA DOUBLE CIRCUIT 230kV CONSTRUCTION OPERATING AT 115kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

FOREST GROVE SUB

MP 86 | MP 85 | MP 84 | MP 3 | MP 4 | MP 2 | MP 1 | MP 0 | MP 5

S 6 T 027N R 042E | S 7 T 027N R 042E | S 18 T 027N R 042E | S 19 T 027N R 042E | S 30 T 027N R 042E | S 31 T 027N R 042E | S T 026N R 042E

S 1 T 027N R 041E | S 12 T 027N R 041E | S 24 T 027N R 041E | S 25 T 027N R 041E | S 36 T 027N R 041E | S 1 T 026N R 041E

S 13 T 027N R 041E | S 14 T 027N R 041E | S 15 T 027N R 041E | S 22 T 027N R 041E | S 23 T 027N R 041E | S 26 T 027N R 041E | S 27 T 027N R 041E | S 34 T 027N R 041E | S 35 T 027N R 041E

S 2 T 026N R 041E | S 3 T 026N R 041E

S 8 T 027N R 041E | S 11 T 027N R 041E | S 10 T 027N R 041E | S 3 T 027N R 041E

Valley County | McCone County | Phillips County

Milk River | Canal | Ball Rd | Carlson Rd | Rexhausen Rd | River Rd | School Section Rd | Garwood Rd | Yager Rd | Wheeler Rd | Turner Rd | Tiger Butte Rd | Gravel Pit | Flowing Well | Pumping Sta | Pipeline | Valley Co Mc Cone Co | Aqueduct | Lateral | Gabino Sta | Railroad Grade | G C Rd | 230 | 117

SEE SHEET 10-09

SEE SHEET 10-08

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

7/31/08 Centerline

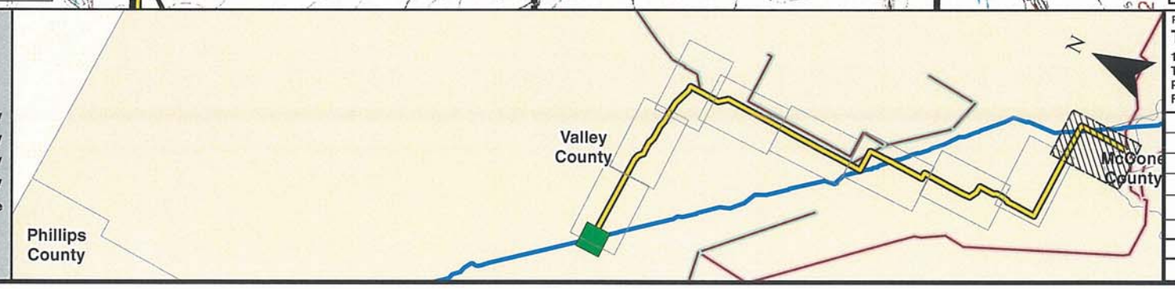
**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
VALLEY COUNTY, MONTANA
**PS-10**

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

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# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-11

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**


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|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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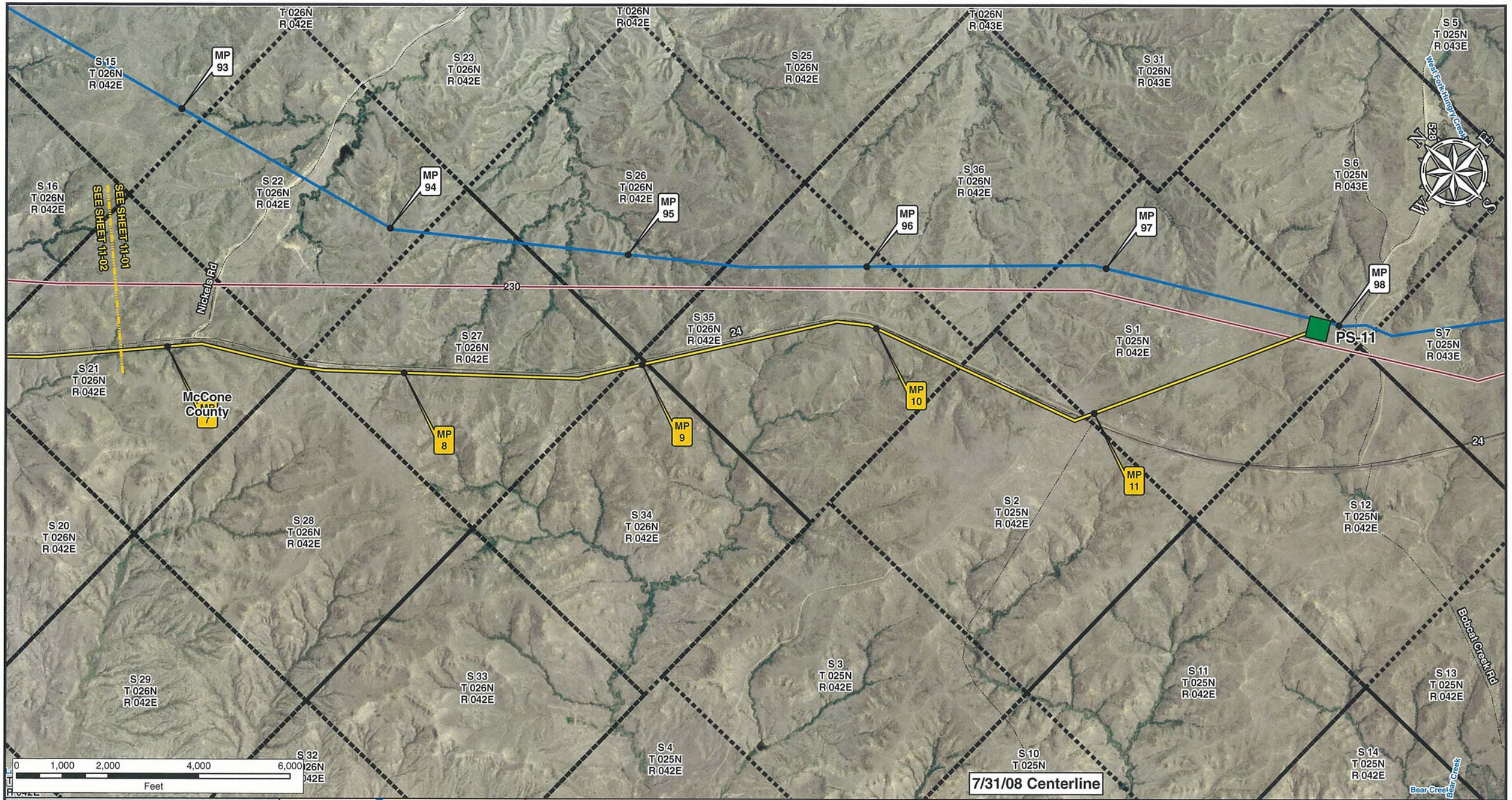
KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET



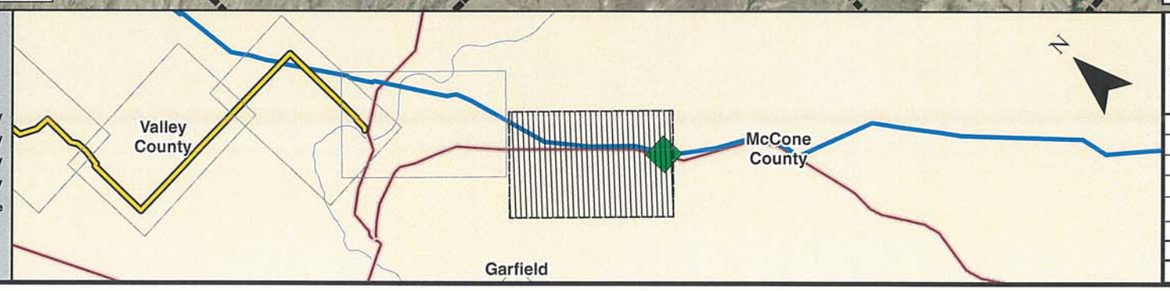

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
MCCONE COUNTY, MONTANA
PS-11

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

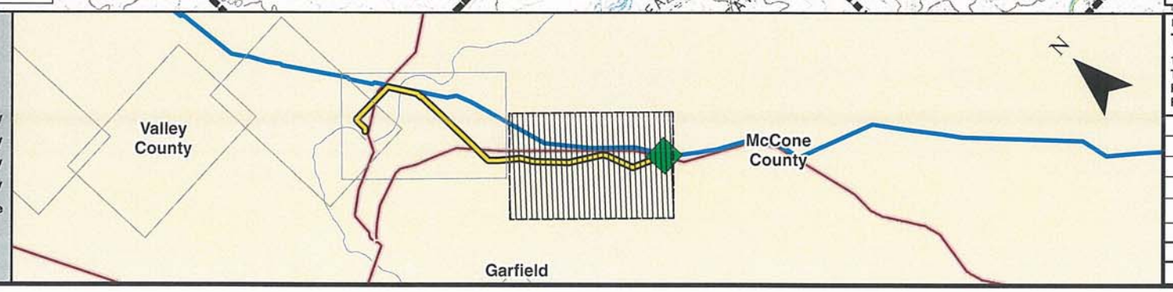
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-30-ML-2003-P-11-01-A | 01 of 02 | 0 |

MP 93
MP 94
MP 95
MP 96
MP 97
MP 98
PS-11
MP 8
MP 9
MP 10
MP 11
McCone County
SEE SHEET 11-01
SEE SHEET 11-02
Nickels Rd
Struble Coulee
Jorgenson Coulee
Patch Coulee
Coltman Coulee
Indian Hill
Coal Hill
Caprock Butte
Bridge
Costello
Bobcat Creek Rd
Bear Creek
Spring
Bear Trail
Hilliard
230
S 15 T 026N R 042E
S 16 T 026N R 042E
S 21 T 026N R 042E
S 20 T 026N R 042E
S 29 T 026N R 042E
S 28 T 026N R 042E
S 33 T 026N R 042E
S 32 T 026N R 042E
S 22 T 026N R 042E
S 23 T 026N R 042E
S 26 T 026N R 042E
S 27 T 026N R 042E
S 34 T 026N R 042E
S 35 T 026N R 042E
S 25 T 026N R 042E
S 36 T 026N R 042E
S 31 T 026N R 043E
S 1 T 025N R 042E
S 2 T 025N R 042E
S 3 T 025N R 042E
S 4 T 025N R 042E
S 10 T 025N
S 11 T 025N R 042E
S 12 T 025N R 042E
S 13 T 025N R 042E
S 14 T 025N R 042E
S 5 T 025N R 043E
S 6 T 025N R 043E
S 7 T 025N R 043E
T 026N R 042E
T 026N R 043E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
MCCONE COUNTY, MONTANA
**PS-11**

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- 11-01 -Q | 01 of 02 | 0 |

REPLACE VALLEY EC 12.5kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

WAPA DOUBLE CIRCUIT 230kV CONSTRUCTION OPERATING AT 115kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

FOREST GROVE SUB

MP 0 MP 1 MP 2 MP 3 MP 4 MP 5 MP 6 MP 88 MP 89 MP 90 MP 91 MP 92

Valley County

McCone County

Missouri River

Lake Fort Peck

River Rd

School Section Rd

Garwood Rd

Yager Rd

Fort Peck Tower Hill Rd

Tower Hill Rd

230

24

SEE SHEET 11-01

SEE SHEET 11-02

S 19 T 027N R 042E
S 29 T 027N R 042E
S 33 T 027N R 042E
S 3 T 026N R 042E
S 11 T 026N R 042E
S 24 T 027N R 041E
S 30 T 027N R 042E
S 32 T 027N R 042E
S 4 T 026N R 042E
S 10 T 026N R 042E
S 25 T 027N R 041E
S 31 T 027N R 042E
S 5 T 026N R 042E
S 9 T 026N R 042E
S 15 T 026N R 042E
S 26 T 027N R 041E
S 6 T 026N R 042E
S 8 T 026N R 042E
S 16 T 026N R 042E
S 22 T 026N R 042E
S 36 T 027N R 041E
S 35 T 027N R 041E
S 1 T 026N R 041E
S 7 T 026N R 042E
S 17 T 026N R 042E
S 21 T 026N R 042E
S 2
S 12 T 026N R 041E
S 18 T 026N R 042E
S 20 T 026N R 042E

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

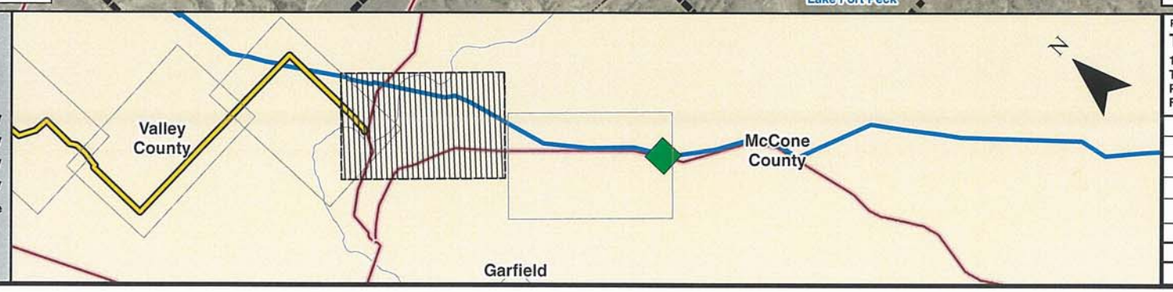
7/31/08 Centerline

N W E S

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
MCCONE COUNTY, MONTANA
PS-11

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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| AH | SS | RG | 50388X | XL-30-ML-2003-P-11-02-A | 02 of 02 | 0 |

REPLACE VALLEY EC 12.5kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

DOUBLE CIRCUIT 115/WAPA 34.5kV

WAPA DOUBLE CIRCUIT 230kV CONSTRUCTION OPERATING AT 115kV

FOREST GROVE SUB

MP 0 MP 1 MP 2 MP 3 MP 4 MP 5 MP 6 MP 88 MP 89 MP 90 MP 91 MP 92

Valley County

McCone County

Missouri River

Lake Fort Peck

Fort Peck Tower Hill Rd

River Rd

School Section Rd

Garwood Rd

Yeager Rd

Nickel's Ranch Landing Strip

SEE SHEET 11-01

SEE SHEET 11-02

7/31/08 Centerline

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

## Legend

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

### Electric Lines

Voltage

- Below 230kV
- 230kV - 344kV
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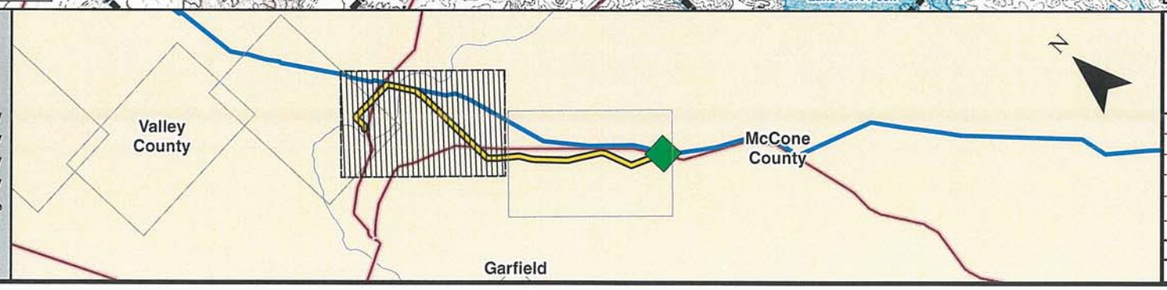
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MCCONE COUNTY, MONTANA
PS-11

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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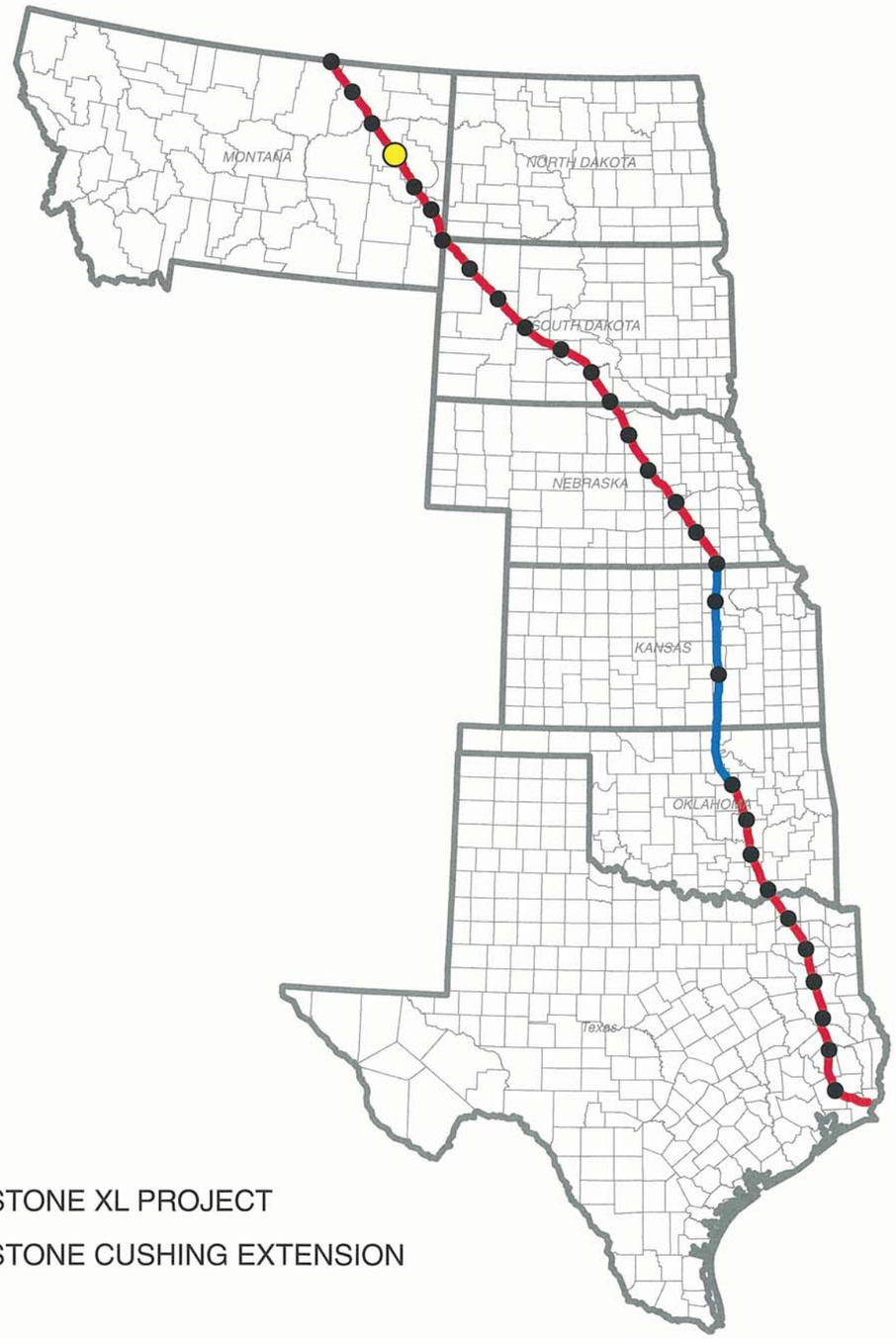
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 11-02 -Q | 02 of 02 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-12




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

S 23 T 019N R 048E
S 14 T 019N R 048E
S 11 T 019N R 048E
S 2 T 019N R 048E
S 35 T 020N R 048E
S 26 T 020N R 048E
S 24 T 019N R 048E
S 13 T 019N R 048E
S 12 T 019N R 048E
S 1 T 019N R 048E
S 36 T 020N R 048E
S 25 T 020N R 048E
S 24 T 020N R 048E
S 19 T 019N R 049E
S 18 T 019N R 049E
S 7 T 019N R 049E
S 6 T 019N R 049E
S 31 T 020N R 049E
S 30 T 020N R 049E
S 19 T 020N R 049E
S 20 T 019N R 049E
S 17 T 019N R 049E
S 8 T 019N R 049E
S 5 T 019N R 049E
S 32 T 020N R 049E
S 29 T 020N R 049E
S 20 T 020N R 049E

Mccune Creek Rd
Airport Loop Rd
Cottonwood Creek Rd
Lone Tree Creek
Redwater River
Gyp Creek
Lost Creek
McCone County

MP 146
MP 147
MP 148
MP 149
MP 150
MP 0
MP 1
MP 2
MP 3

PS-12

69kV
115kV
230

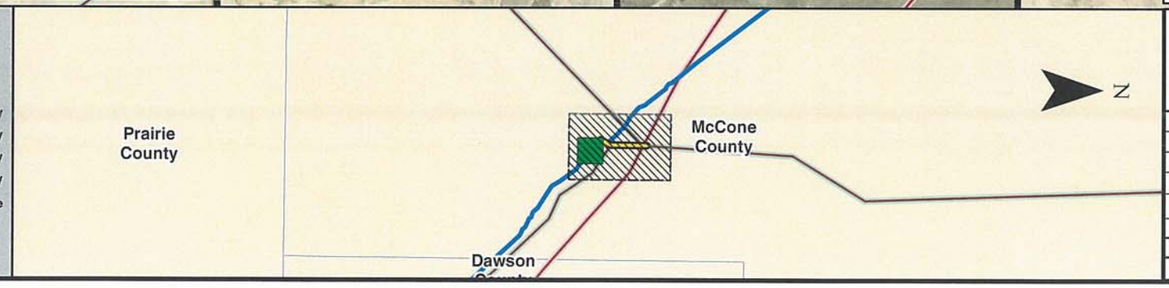
13
200

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

7/31/08 Centerline

Legend
- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
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Fax: 1-850-385-5523
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MCCONE COUNTY, MONTANA
PS-12

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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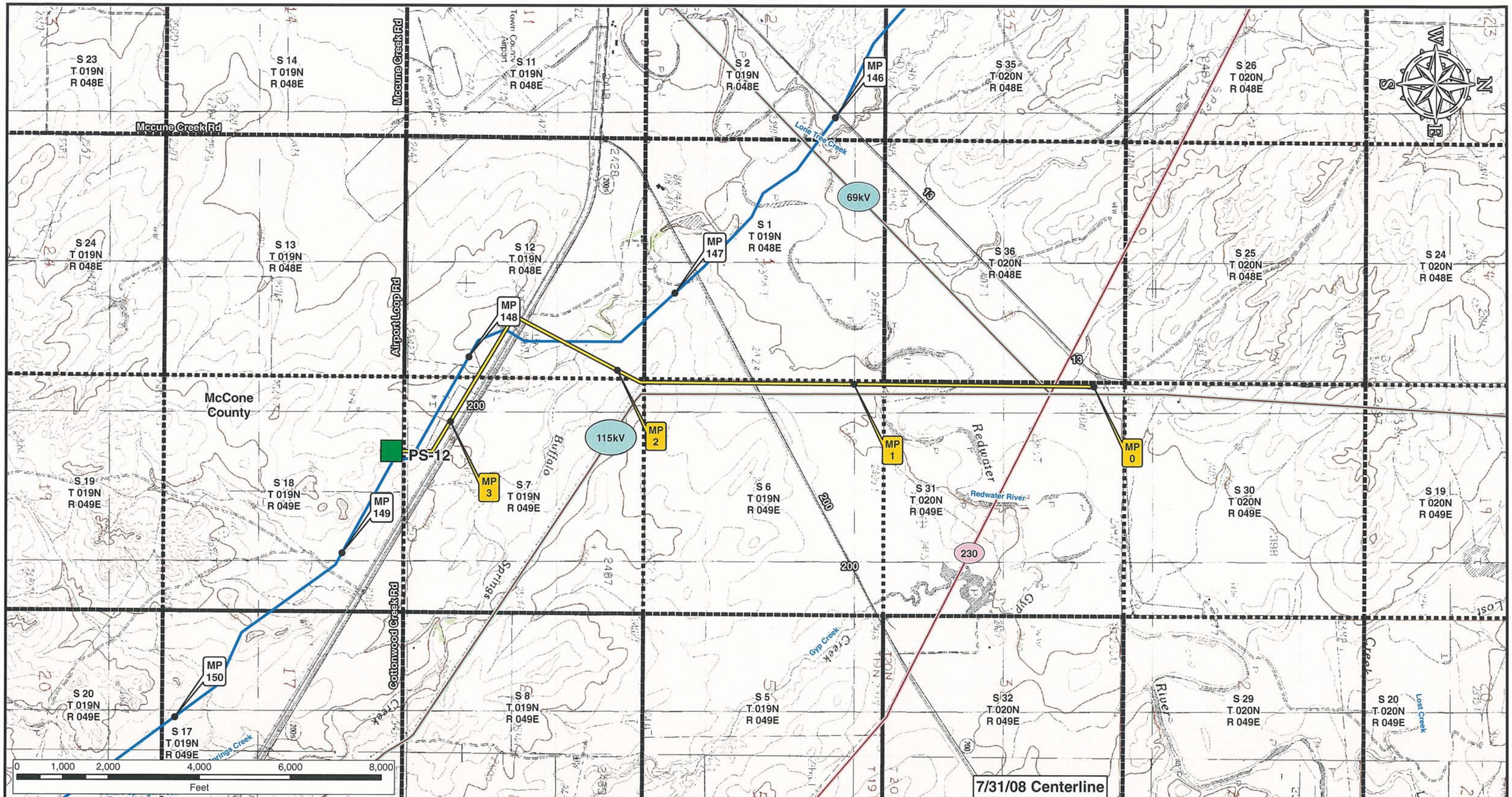
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 12-01 -A | 01 of 01 | 0 |



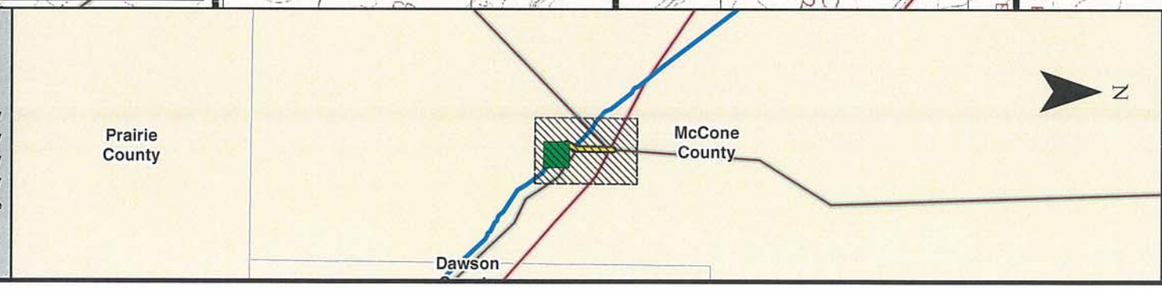

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
MCCONE COUNTY, MONTANA
PS-12

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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| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 12-01 -Q | 01 of 01 | 0 |

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-13

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

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## NOVEMBER 19, 2008
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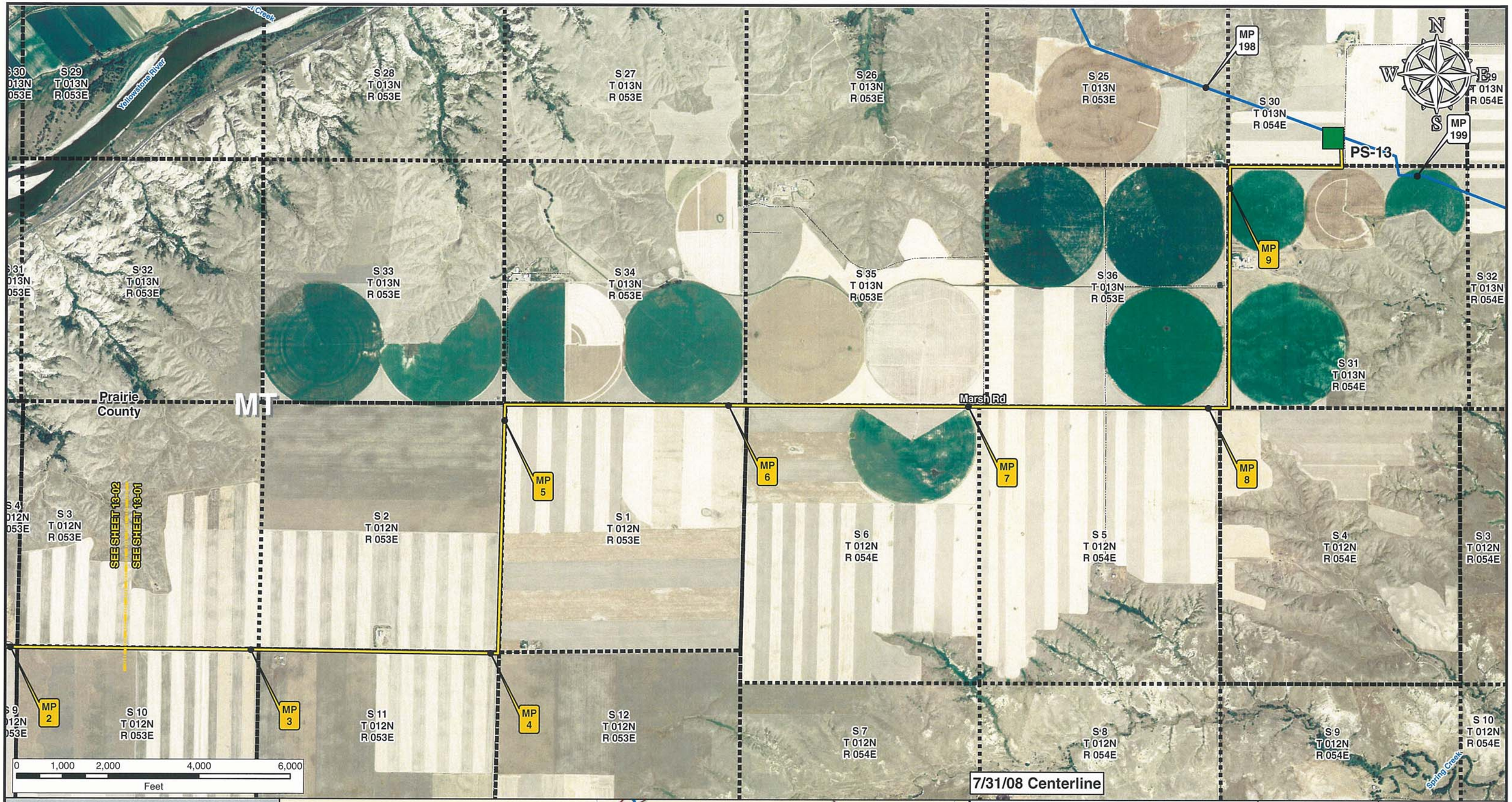


Legend

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

Electric Lines

Voltage

- Below 230kV
- 230kV - 344kV
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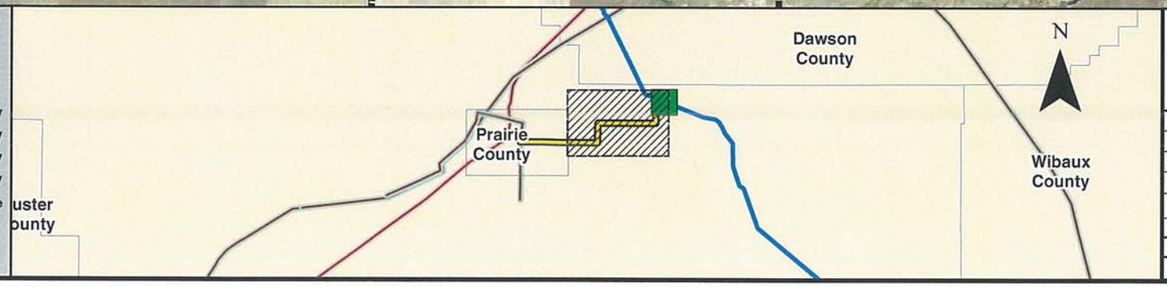
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PRAIRIE COUNTY, MONTANA
**PS-13**

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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| AH | SS | RG | 50388X | XL-30-ML-2003-P-13-01-A | 01 of 02 | 0 |

MP 198

MP 199

PS-13

MP 9

MP 8

MP 7

MP 6

MP 5

MP 4

MP 3

MP 2

Marsh Rd

FALLON FLAT

Prairie County

SEE SHEET 13-02

SEE SHEET 13-01

S 29 T 013N R 053E

S 28 T 013N R 053E

S 27 T 013N R 053E

S 26 T 013N R 053E

S 25 T 013N R 053E

S 30 T 013N R 054E

S 31 T 013N R 053E

S 32 T 013N R 053E

S 33 T 013N R 053E

S 34 T 013N R 053E

S 35 T 013N R 053E

S 36 T 013N R 053E

S 31 T 013N R 054E

S 32 T 013N R 054E

S 3 T 012N R 053E

S 2 T 012N R 053E

S 1 T 012N R 053E

S 6 T 012N R 054E

S 5 T 012N R 054E

S 4 T 012N R 054E

S 3 T 012N R 054E

S 10 T 012N R 053E

S 11 T 012N R 053E

S 12 T 012N R 053E

S 7 T 012N R 054E

S 8 T 012N R 054E

S 9 T 012N R 054E

S 10 T 012N R 054E

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

7/31/08 Centerline

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
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- Section Line

Electric Lines

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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- 735kV - 999kV
- AC-DC-AC Tie
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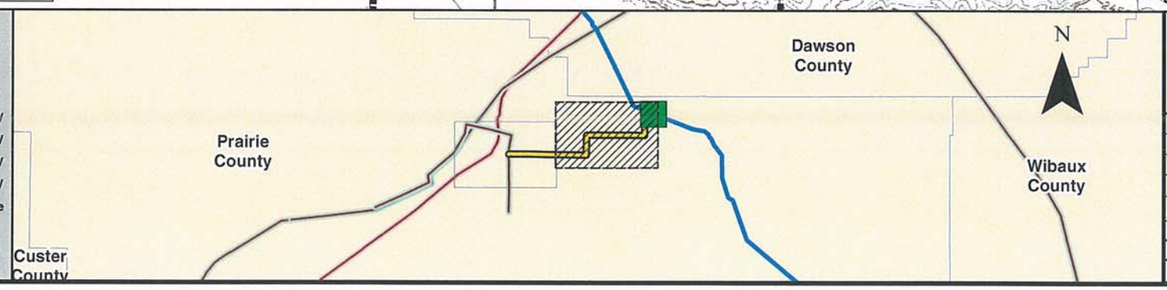



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PRAIRIE COUNTY, MONTANA
PS-13

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

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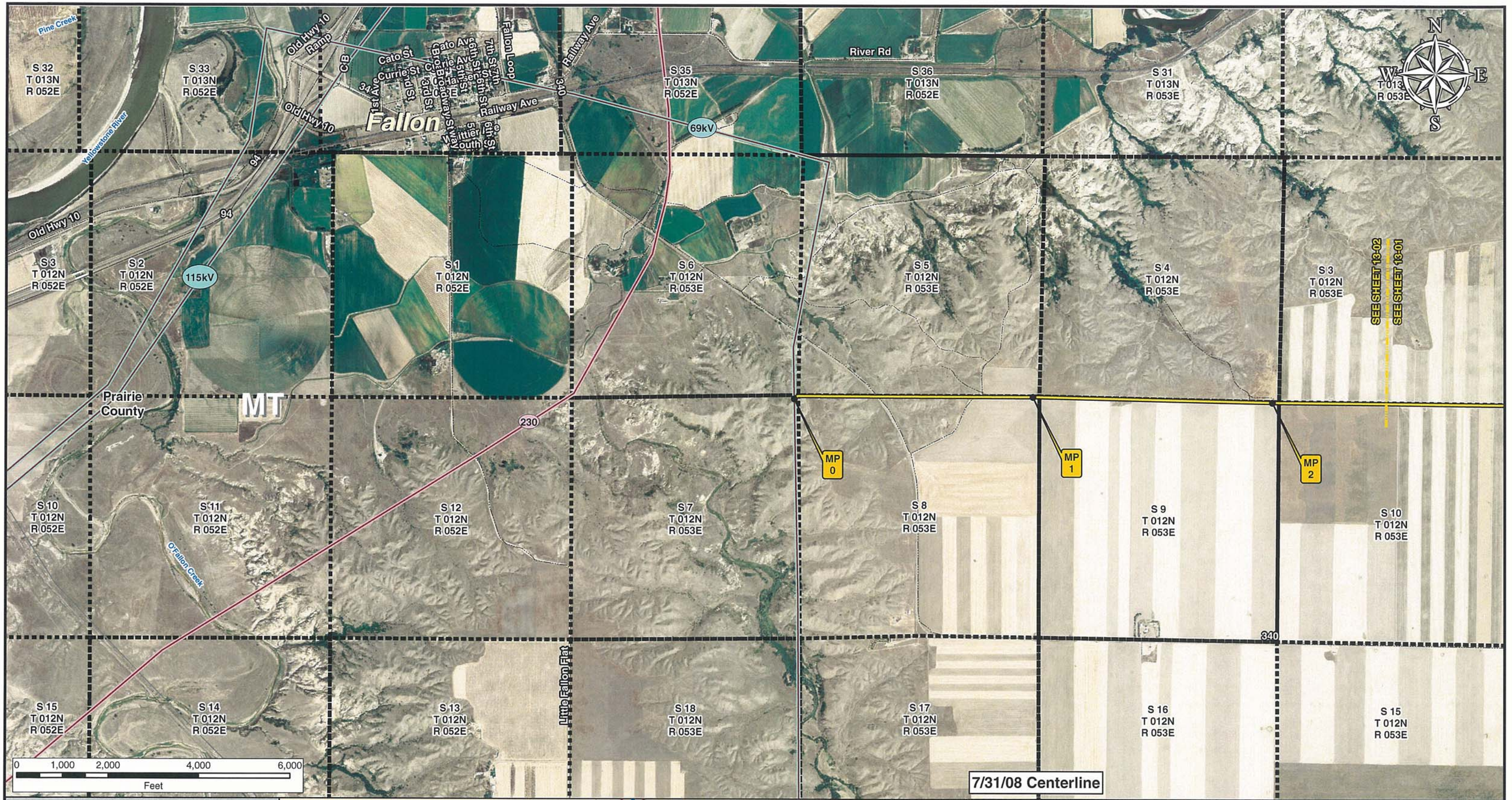


7/31/08 Centerline

## Legend

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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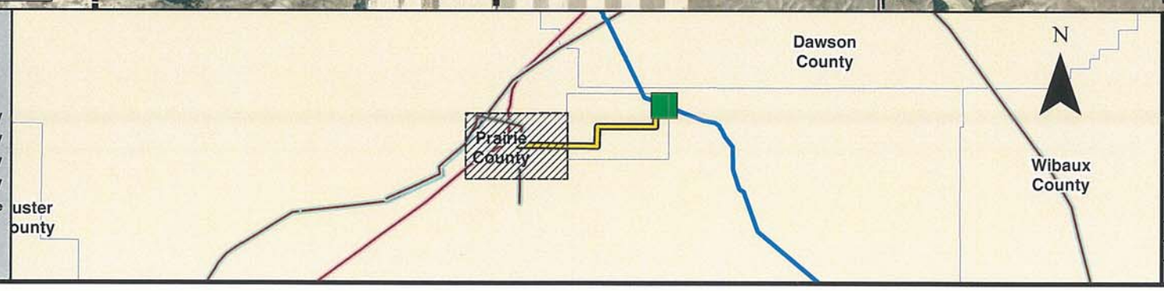


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PRAIRIE COUNTY, MONTANA
**PS-13**

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

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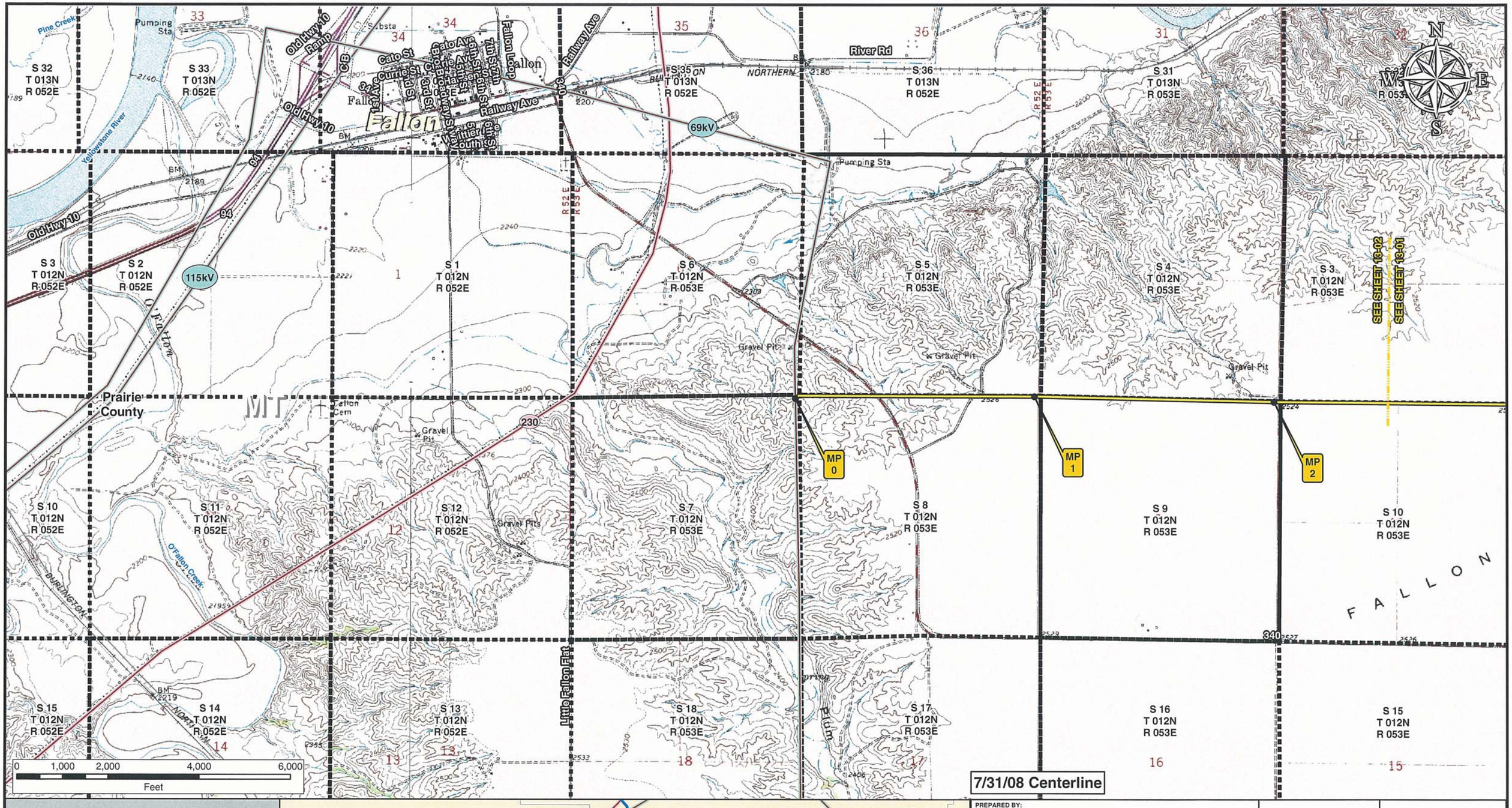


**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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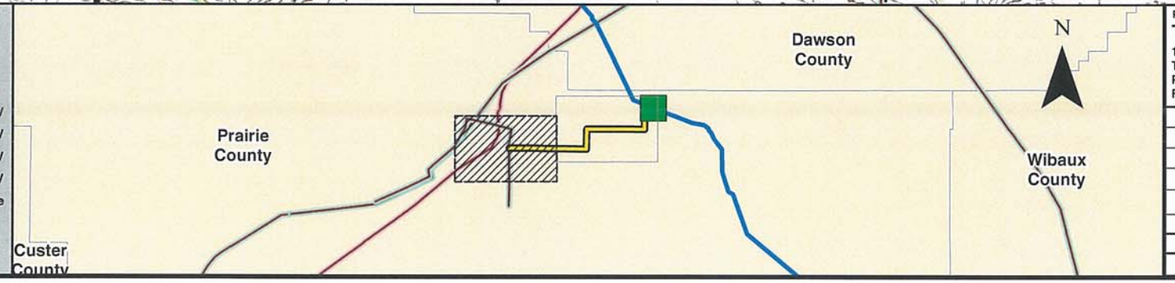
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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# KEYSTONE XL PROJECT
## TRANSMISSION SUPPLY LINE ROUTE MAP
## PRAIRIE COUNTY, MONTANA
## PS-13

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

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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-14

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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S 24 T 009N R 058E
S 10 T 008N R 058E
S 2 T 008N R 058E
S 34 T 009N R 058E
S 25 T 009N R 058E
Pennel Creek
644
MP 236
S 1 T 008N R 058E
S 35 T 009N R 058E
Antiteline Rd
S 30 T 009N R 059E
S 11 T 008N R 058E
S 6 T 008N R 059E
S 36 T 009N R 058E
Cabin Creek Rd
S 12 T 008N R 058E
115kV
PS-14
S 29 T 009N R 059E
Fallon County
MT
MP 237
MP 5
MP 4
MP 3
MP 2
MP 1
MP 0
S 14 T 008N R 058E
S 5 T 008N R 059E
S 31 T 009N R 059E
S 7 T 008N R 059E
Pennel Rd
S 13 T 008N R 058E
S 4 T 008N R 059E
S 32 T 009N R 059E
MP 238
S 8 T 008N R 059E
S 18 T 008N R 059E
S 3 T 008N R 059E
S 24 T 008N R 058E
S 9 T 008N R 059E
S 17 T 008N R 059E
S 2 T 008N R 059E
S 16 T 008N
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
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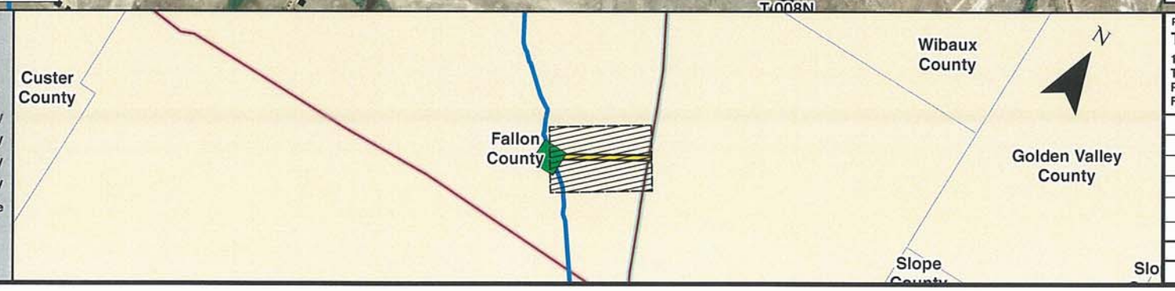
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-14**

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

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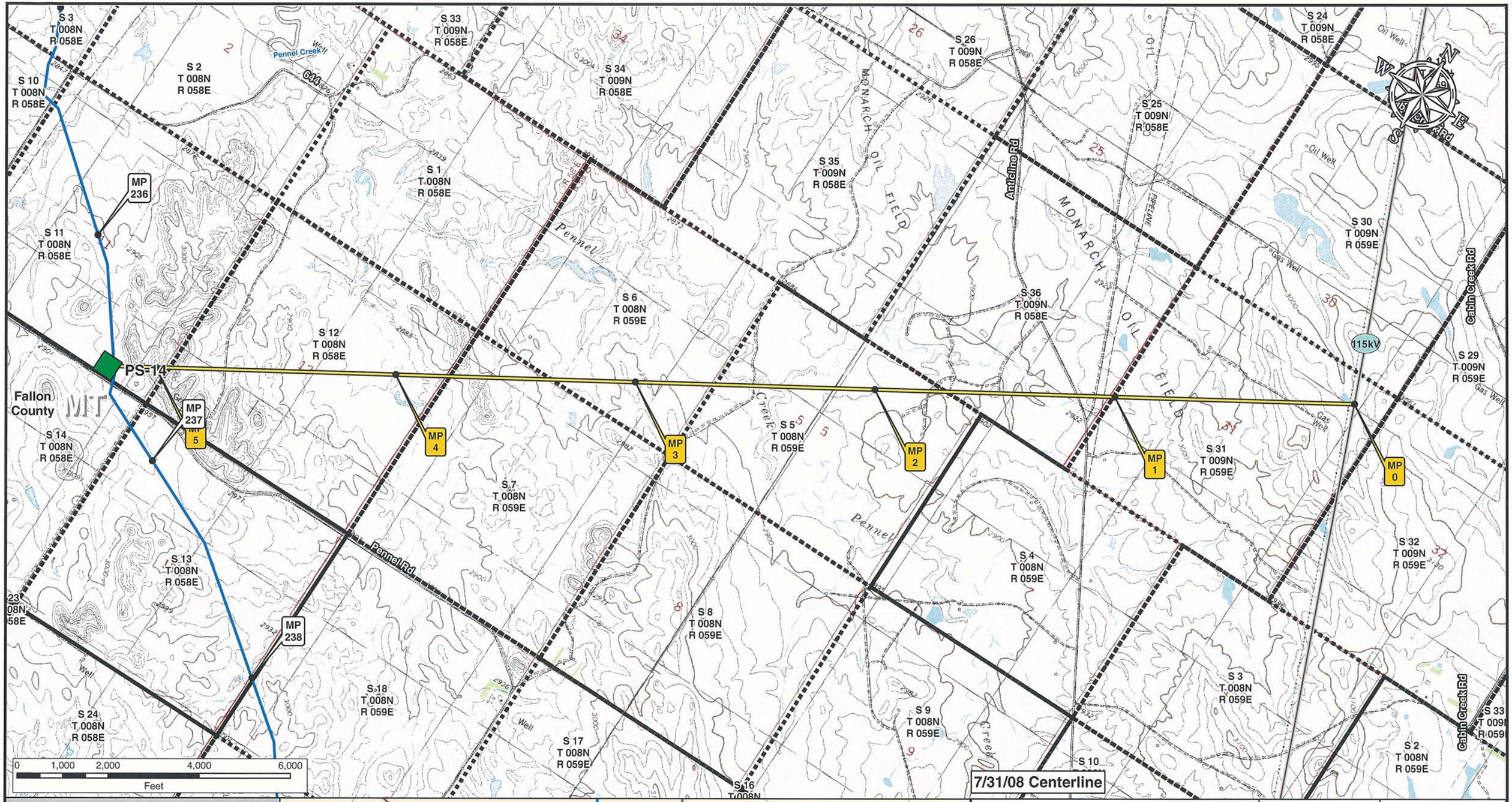


Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
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- Section Line

Electric Lines

Voltage

- Below 230kV
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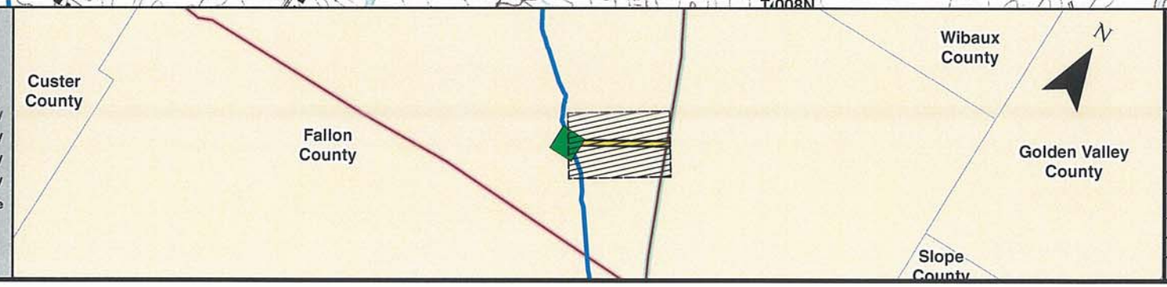


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
PS-14

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

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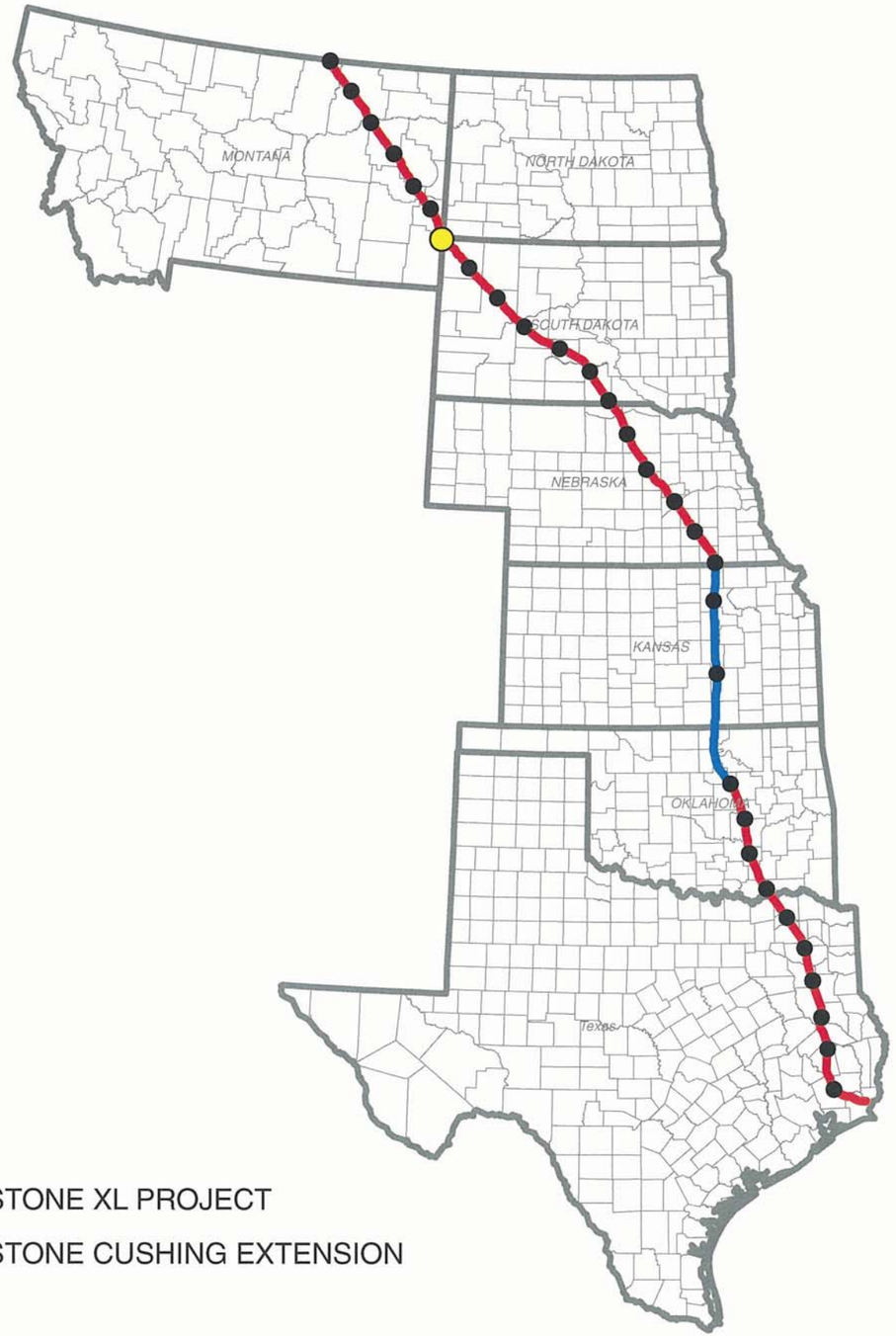


KEYSTONE XL PROJECT

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

**7/31/08 Centerline**

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

ConocoPhillips | TransCanada In business to deliver

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

N W E S

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## NOVEMBER 19, 2008
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S 26 T 002N R 061E | S 23 T 002N R 061E | S 14 T 002N R 061E | S 11 T 002N R 061E | S 2 T 002N R 061E | S 35 T 003N R 061E | S 1 T 003N R 061E

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MP 278
MP 279
MP 280
MP 281
MP 37
MP 38
MP 39
MP 40
MP 41
MP 42

North Fork Coal Bank Creek
South Fork Coal Bank Creek
Sheep Creek
Boxelder Creek
Boxelder Creek
Boxelder Creek
Coal Bank Creek

MT
SD
ND
PS-15
Fallon County
Bowman County
Cox Rd
247
247

SEE SHEET 15-01
SEE SHEET 15-02

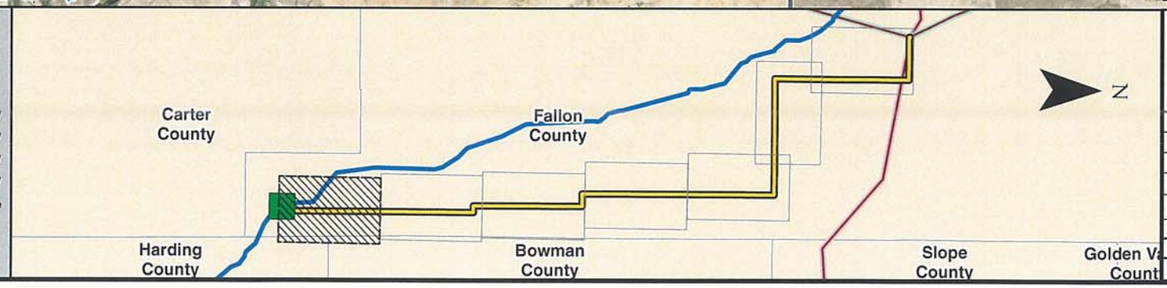
0 1,000 2,000 4,000 6,000
Feet

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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ConocoPhillips | TransCanada — In business to deliver

KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**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 | 0 |

S 26 T 002N R 061E
S 23 T 002N R 061E
S 14 T 002N R 061E
S 11 T 002N R 061E
S 2 T 002N R 061E
S 35 T 003N R 061E
S 25 T 003N R 061E
S 13 T 002N R 061E
S 25 T 002N R 061E
S 24 T 002N R 061E
S 12 T 002N R 061E
S 1 T 002N R 061E
S 36 T 003N R 061E
MP 278
MP 279
MP 280
North Fork Coal Bank Creek
South Fork Coal Bank Creek
PS-15
MT
Fallon County
MP 281
MP 42
MP 41
MP 40
MP 39
MP 38
MP 37
Sheep Creek
SEE SHEET 15-01
SEE SHEET 15-02
S 19 T 002N R 062E
S 18 T 002N R 062E
S 7 T 002N R 062E
S 6 T 002N R 062E
S 31 T 003N R 062E
S 30 T 003N R 062E
S 30 T 002N R 062E
S 29 T 002N R 062E
S 20 T 002N R 062E
S 17 T 002N R 062E
S 8 T 002N R 062E
S 5 T 002N R 062E
S 32 T 003N R 062E
S 29 T 003N R 062E
Boxelder Creek
MONTANA
SOUTH DAKOTA
NORTH DAKOTA
FALLON CO.
Bowman County
7/31/08 Centerline
SD
ND
Cox Rd
Monument Butte
0 1,000 2,000 4,000 6,000
Feet

**Legend**

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

**Electric Lines**
Voltage

- Below 230kV
- 230kV - 344kV
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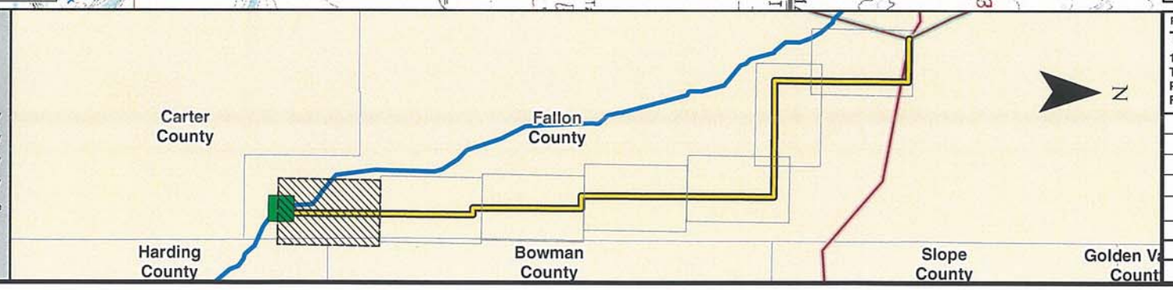
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-15**

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

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-01 -Q | 01 of 07 | 0 |

S 35 T 003N R 061E
S 26 T 003N R 061E
S 23 T 003N R 061E
S 14 T 003N R 061E
S 11 T 003N R 061E
S 2 T 003N R 061E
S 35 T 004N R 061E
Sheep Creek
247
S 25 T 003N R 061E
S 36 T 004N R 061E
S 36 T 003N R 061E
MT
SEE SHEET 15-01
SEE SHEET 15-02
S 24 T 003N R 061E
S 13 T 003N R 061E
S 12 T 003N R 061E
S 1 T 003N R 061E
SEE SHEET 15-02
SEE SHEET 15-03
Fallon County
MP 31
MP 37
MP 36
MP 35
MP 34
MP 33
MP 32
S 31 T 004N R 062E
S 31 T 003N R 062E
S 30 T 003N R 062E
S 19 T 003N R 062E
S 18 T 003N R 062E
S 7 T 003N R 062E
S 6 T 003N R 062E
S 32 T 004N R 062E
S 32 T 003N R 062E
S 29 T 003N R 062E
Soda Creek
S 20 T 003N R 062E
S 17 T 003N R 062E
S 8 T 003N R 062E
S 5 T 003N R 062E
Bowman County
ND
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

**Legend**

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

**Electric Lines**
Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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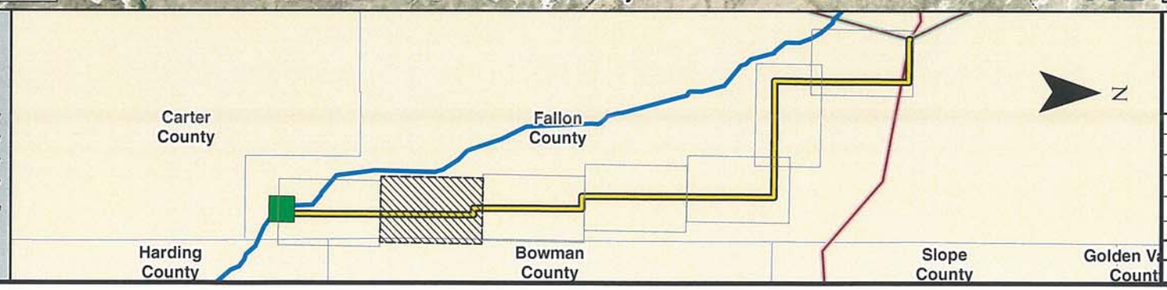
- DC

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In business to deliver

KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-15**

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

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-02 -A | 02 of 07 | 0 |

S 35
T 003N
R 061E

S 26
T 003N
R 061E

S 23
T 003N
R 061E

S 14
T 003N
R 061E

S 11
T 003N
R 061E

S 2
T 003N
R 061E

S 35
T 004N
R 061E

Sheep Creek

247

S 25
T 003N
R 061E

S 36
T 004N
R 061E

SEE SHEET 15-02

SEE SHEET 15-03

S 36
T 003N
R 061E

SEE SHEET 15-01

SEE SHEET 15-02

S 24
T 003N
R 061E

S 13
T 003N
R 061E

S 12
T 003N
R 061E

S 1
T 003N
R 061E

MT

Fallon
County

MP 31

MP 37

MP 36

MP 35

MP 34

MP 33

MP 32

S 31
T 003N
R 062E

S 30
T 003N
R 062E

S 19
T 003N
R 062E

S 18
T 003N
R 062E

S 7
T 003N
R 062E

S 6
T 003N
R 062E

S 31
T 004N
R 062E

S 32
T 003N
R 062E

S 29
T 003N
R 062E

Soda Creek

S 20
T 003N
R 062E

S 17
T 003N
R 062E

S 8
T 003N
R 062E

S 5
T 003N
R 062E

S 32
T 004N
R 062E

FALLON CO.

BOWMAN CO.

MONTANA

NORTH DAKOTA

Bowman
County

ND

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

7/31/08 Centerline

**Legend**

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

**Electric Lines**
Voltage

- Below 230kV
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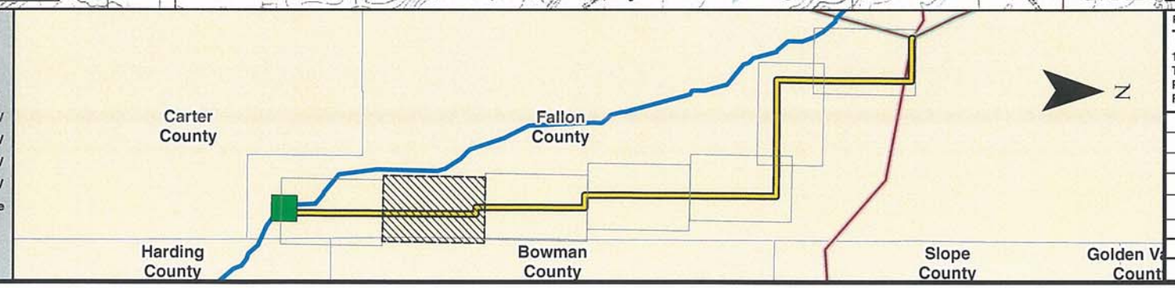
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-15**

MAP PARAMETERS
PROJECTION: NAD83, UTM:13N
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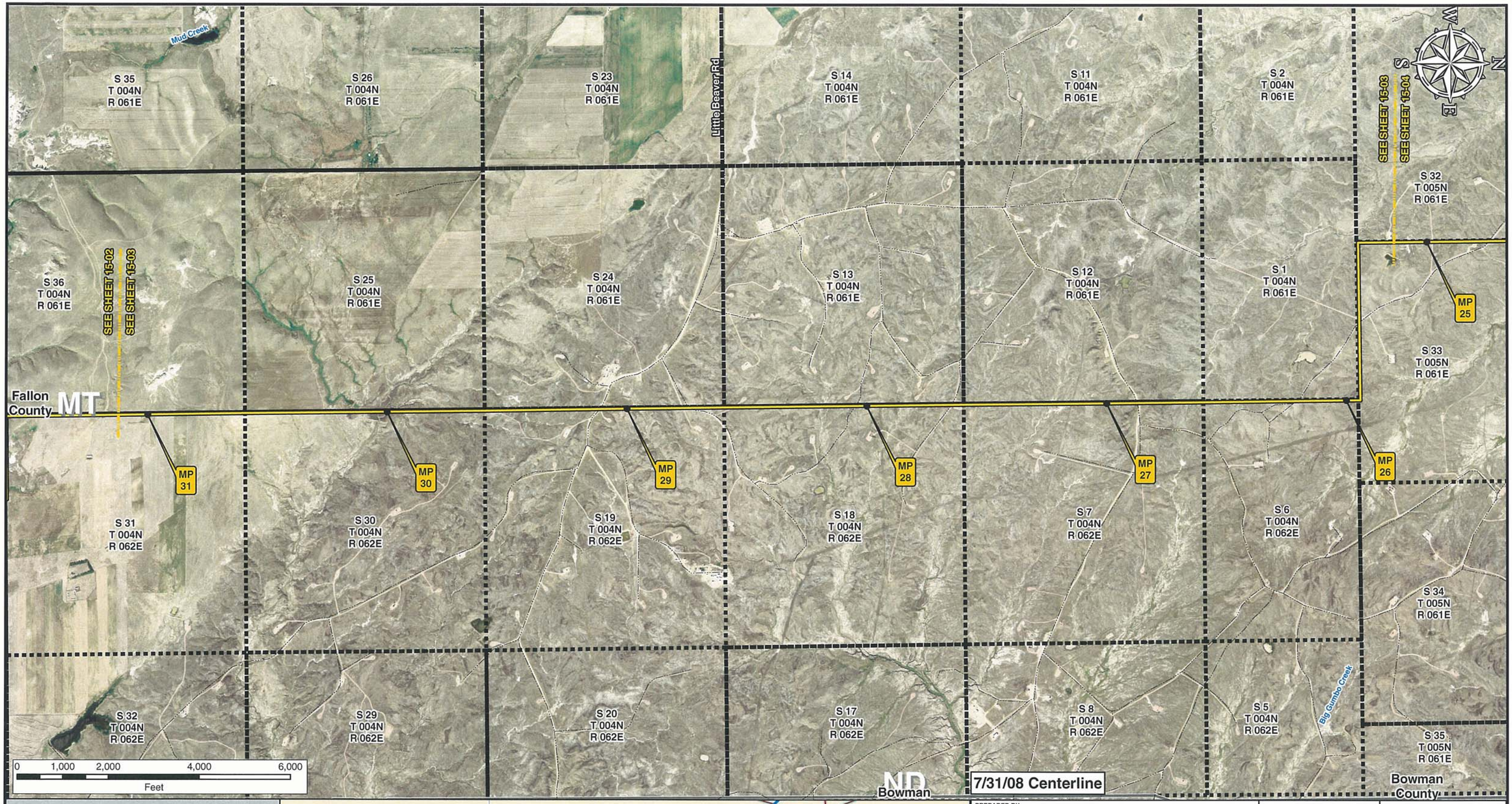
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-02 -Q | 02 of 07 | 0 |



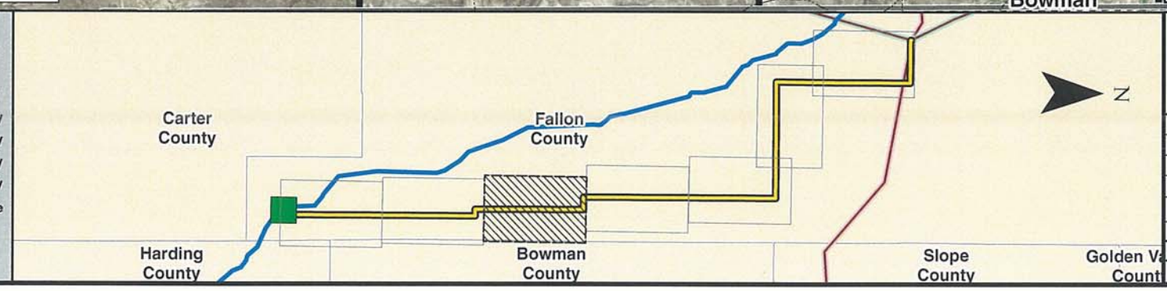

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-15**

MAP PARAMETERS
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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-30-ML-2003-P-15-03-A | 03 of 07 | 0 |

S 35 T 004N R 061E

S 26 T 004N R 061E

S 23 T 004N R 061E

S 14 T 004N R 061E

S 11 T 004N R 061E

S 2 T 004N R 061E

S 32 T 005N R 061E

S 36 T 004N R 061E

S 25 T 004N R 061E

S 24 T 004N R 061E

S 13 T 004N R 061E

S 12 T 004N R 061E

S 1 T 004N R 061E

S 33 T 005N R 061E

S 31 T 004N R 062E

S 30 T 004N R 062E

S 19 T 004N R 062E

S 18 T 004N R 062E

S 7 T 004N R 062E

S 6 T 004N R 062E

S 34 T 005N R 061E

S 32 T 004N R 062E

S 29 T 004N R 062E

S 20 T 004N R 062E

S 17 T 004N R 062E

S 8 T 004N R 062E

S 5 T 004N R 062E

S 35 T 005N R 061E

Mud Creek

Little Beaver Rd

SEE SHEET 15-02

SEE SHEET 15-03

SEE SHEET 15-04

Fallon County MT

Bowman County ND

MP 31

MP 30

MP 29

MP 28

MP 27

MP 26

MP 25

Gas Well

Oil Well

PIPELINE

Pumping Station

Big Gumbo Creek

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

Feet

7/31/08 Centerline

Legend

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

Electric Lines

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
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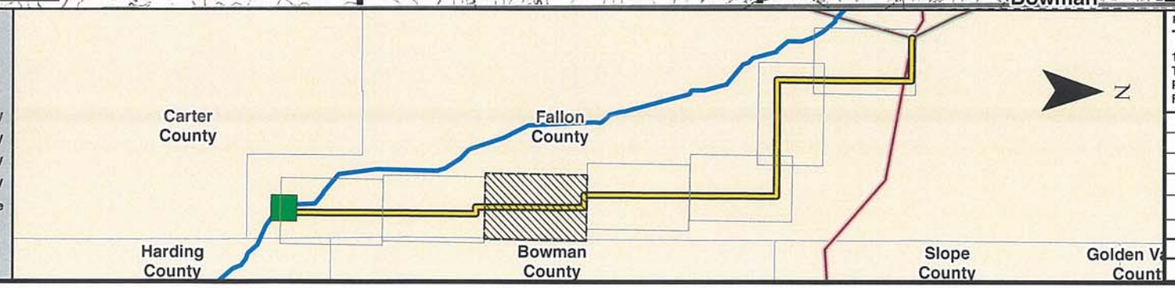
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
PS-15

MAP PARAMETERS
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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-03 -Q | 03 of 07 | 0 |

S 3 T 004N R 061E | S 31 T 005N R 061E | S 30 T 005N R 061E | S 19 T 005N R 061E | S 18 T 005N R 061E | S 7 T 005N R 061E | S 6 T 005N R 061E

S 2 T 004N R 061E | S 32 T 005N R 061E | S 29 T 005N R 061E | S 20 T 005N R 061E | S 17 T 005N R 061E | S 8 T 005N R 061E | S 5 T 005N R 061E

SEE SHEET 15-03 | SEE SHEET 15-04 | SEE SHEET 15-04 | SEE SHEET 15-05

Fallon County MT

S 1 T 004N R 061E | S 33 T 005N R 061E | S 28 T 005N R 061E | S 21 T 005N R 061E | S 16 T 005N R 061E | S 9 T 005N R 061E | S 4 T 005N R 061E

MP 25 | MP 24 | MP 23 | MP 22 | MP 21 | MP 20 | MP 26

Little Beaver Creek

S 6 T 004N R 062E | S 34 T 005N R 061E | S 27 T 005N R 061E | S 22 T 005N R 061E | S 15 T 005N R 061E | S 10 T 005N R 061E | S 3 T 005N R 061E

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

7/31/08 Centerline

**Legend**

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

**Electric Lines**
Voltage

- Below 230kV
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- 735kV - 999kV
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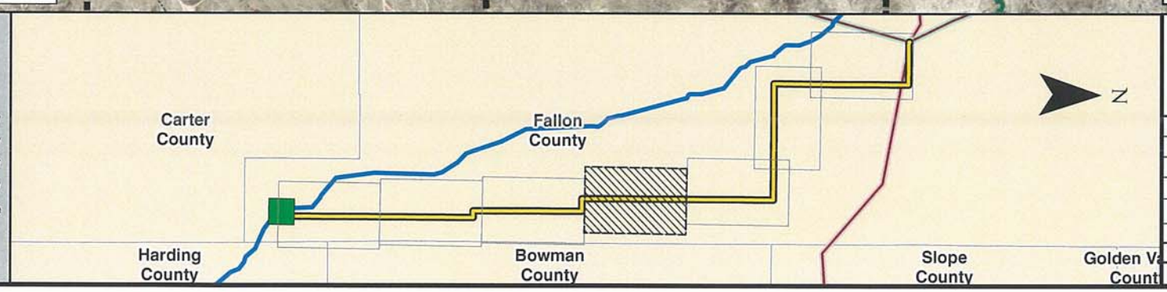



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FALLON COUNTY, MONTANA
**PS-15**

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S 3 T 004N R 061E | S 31 T 005N R 061E | S 30 T 005N R 061E | S 19 T 005N R 061E | S 18 T 005N R 061E | S 7 T 005N R 061E | S 6 T 005N R 061E

S 2 T 004N R 061E | S 32 T 005N R 061E | S 29 T 005N R 061E | S 20 T 005N R 061E | S 17 T 005N R 061E | S 8 T 005N R 061E | S 5 T 005N R 061E

SEE SHEET 15-03 | SEE SHEET 15-04 | SEE SHEET 15-04 | SEE SHEET 15-05

Fallon County MT

S 1 T 004N R 061E | S 33 T 005N R 061E | S 28 T 005N R 061E | S 21 T 005N R 061E | S 16 T 005N R 061E | S 9 T 005N R 061E | S 4 T 005N R 061E

MP 25 | MP 24 | MP 23 | MP 22 | MP 21 | MP 20

MP 26

S 6 T 004N R 062E | S 34 T 005N R 061E | S 27 T 005N R 061E | S 22 T 005N R 061E | S 15 T 005N R 061E | S 10 T 005N R 061E | S 3 T 005N R 061E

Little Beaver Creek | Little Beaver | Beaver

Gas Well | Oil Well | Pipeline

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

7/31/08 Centerline

**Legend**

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

**Electric Lines**

Voltage
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- 500kV - 734kV
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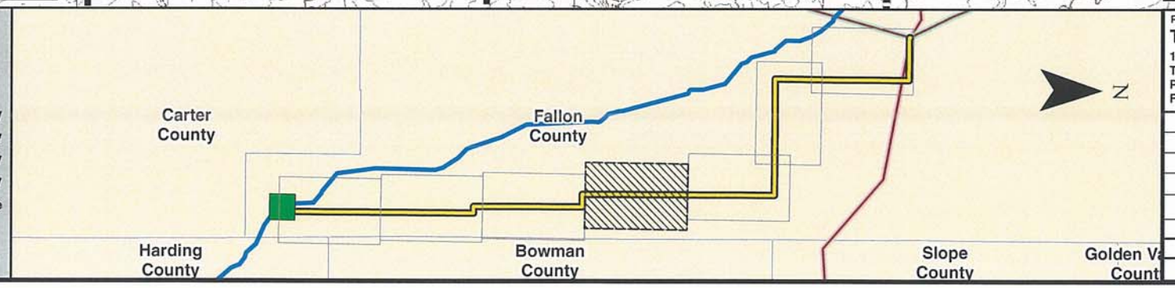



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T 005N R 060E
T 006N R 060E
T 006N R 060E
T 006N R 060E
T 006N R 060E
T 006N R 060E

S 6 T 005N R 061E
S 31 T 006N R 061E
S 30 T 006N R 061E
S 19 T 006N R 061E
S 18 T 006N R 061E
S 7 T 006N R 061E
S 6 T 006N R 061E

SEE SHEET 15-06
SEE SHEET 15-05

Buffalo Creek

MP 14

S 5 T 005N R 061E
MT
SEE SHEET 15-04
SEE SHEET 15-05

S 32 T 006N R 061E
S 29 T 006N R 061E
Fallon County
S 20 T 006N R 061E
S 17 T 006N R 061E
S 8 T 006N R 061E
S 5 T 006N R 061E

MP 15

MP 20
MP 19
MP 18
MP 17
MP 16

S 4 T 005N R 061E
S 33 T 006N R 061E
S 28 T 006N R 061E
S 21 T 006N R 061E
S 16 T 006N R 061E
S 9 T 006N R 061E
S 4 T 006N R 061E

Little Beaver Creek
Corral Creek

S 34 T 006N R 061E
S 27 T 006N R 061E
S 22 T 006N R 061E
S 15 T 006N
S 10 T 006N R 061E
S 3 T 006N R 061E

Waterhole Creek

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

7/31/08 Centerline

Legend
- Milepost
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Electric Lines
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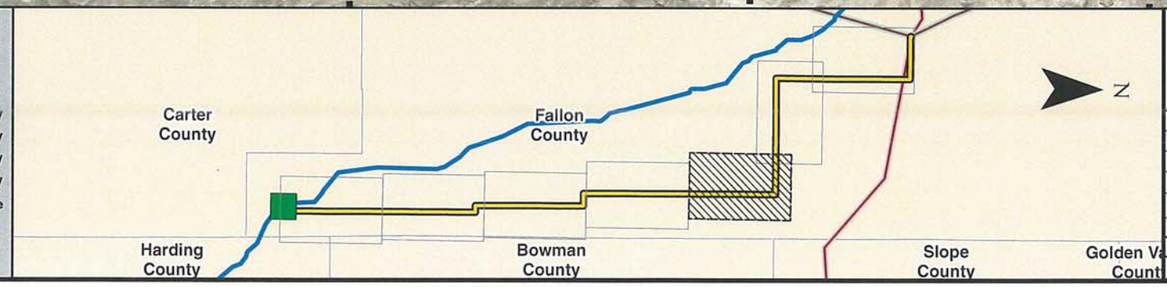
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**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-A | 05 of 07 | 0 |

T 005N R 060E | T 006N R 060E | T 006N R 060E | T 006N R 060E | T 006N R 060E | T 006N R 060E

S 6 T 005N R 061E | S 31 T 006N R 061E | S 30 T 006N R 061E | S 19 T 006N R 061E | S 18 T 006N R 061E | S 7 T 006N R 061E | S 6 T 006N R 061E

S 5 T 005N R 061E | S 32 T 006N R 061E | S 29 T 006N R 061E | S 20 T 006N R 061E | S 17 T 006N R 061E | S 8 T 006N R 061E | S 5 T 006N R 061E

S 4 T 005N R 061E | S 33 T 006N R 061E | S 28 T 006N R 061E | S 21 T 006N R 061E | S 16 T 006N R 061E | S 9 T 006N R 061E | S 4 T 006N R 061E

S 34 T 006N R 061E | S 27 T 006N R 061E | S 22 T 006N R 061E | S 15 T 006N R 061E | S 10 T 006N R 061E | S 3 T 006N R 061E

MT

SEE SHEET 15-04

SEE SHEET 15-05

SEE SHEET 15-06

SEE SHEET 15-05

Fallon County

Buffalo Creek

Gas Well

Gas Well

Gas Well

PIPELINE

Little Beaver Creek

Little Beaver Creek

Corral Creek

Waterhole Creek

MP 14

MP 15

MP 16

MP 17

MP 18

MP 19

MP 20

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

Feet

7/31/08 Centerline

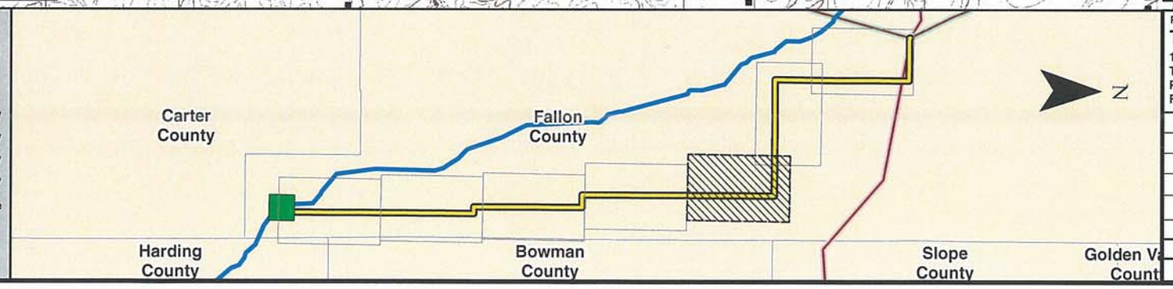
## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FALLON COUNTY, MONTANA
**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 07 | 0 |

S 31 T 007N R 060E | S 32 T 007N R 060E | S 33 T 007N R 060E | S 34 T 007N R 060E | S 35 T 007N R 060E | S 36 T 007N R 060E | S 31 T 007N R 061E

N W E S

SEE SHEET 15-07

SEE SHEET 15-06

MP 7

MP 8

MP 9

MP 10

MP 11

MP 12

MP 13

S 6 T 006N R 060E | S 5 T 006N R 060E | S 4 T 006N R 060E | S 3 T 006N R 060E | S 2 T 006N R 060E | S 1 T 006N R 060E | S 6 T 006N R 061E

Red Butte Creek

Corral Creek

Fallon County

MT

S 7 T 006N R 060E | S 8 T 006N R 060E | S 9 T 006N R 060E | S 10 T 006N R 060E | S 11 T 006N R 060E | S 12 T 006N R 060E | S 7 T 006N R 061E

SEE SHEET 15-06

SEE SHEET 15-05

Buffalo Creek

S 18 T 006N R 060E | S 17 T 006N R 060E | S 16 T 006N R 060E | S 15 T 006N R 060E | S 14 T 006N R 060E | S 13 T 006N R 060E | S 18 T 006N R 061E

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

Feet

7/31/08 Centerline

**Legend**

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

**Electric Lines**

Voltage

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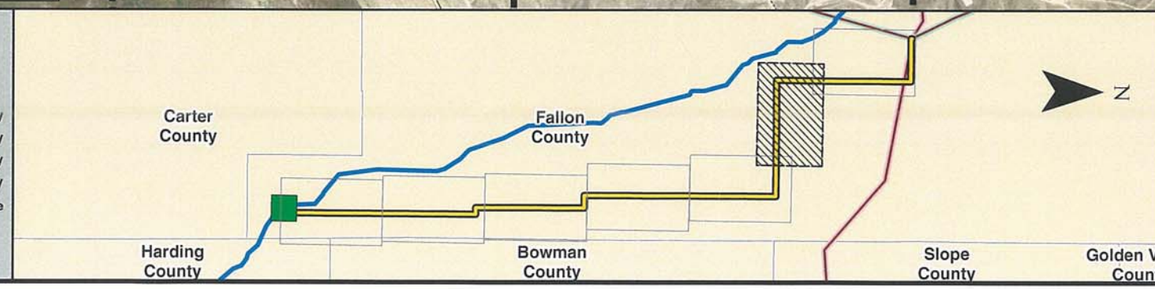



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FALLON COUNTY, MONTANA
**PS-15**

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- 15-06 -A | 06 of 07 | 0 |

S 31 T 007N R 060E | S 32 T 007N R 060E | S 33 T 007N R 060E | S 34 T 007N R 060E | S 35 T 007N R 060E | S 36 T 007N R 060E | S 31 T 007N R 060E

S 6 T 006N R 060E | S 5 T 006N R 060E | S 4 T 006N R 060E | S 3 T 006N R 060E | S 2 T 006N R 060E | S 1 T 006N R 060E | S 6 T 006N R 061E

S 7 T 006N R 060E | S 8 T 006N R 060E | S 9 T 006N R 060E | S 10 T 006N R 060E | S 11 T 006N R 060E | S 12 T 006N R 060E | S 7 T 006N R 061E

S 18 T 006N R 060E | S 17 T 006N R 060E | S 16 T 006N R 060E | S 15 T 006N R 060E | S 14 T 006N R 060E | S 13 T 006N R 060E | S 18 T 006N R 061E

MP 7 | MP 8 | MP 9 | MP 10 | MP 11 | MP 12 | MP 13

SEE SHEET 15-07

SEE SHEET 15-06

SEE SHEET 15-06

SEE SHEET 15-05

Fallon County

Red Butte Creek

Buffalo Creek

Corral Creek

Oil Well

Gas Well

MT

ND

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

Feet

7/31/08 Centerline

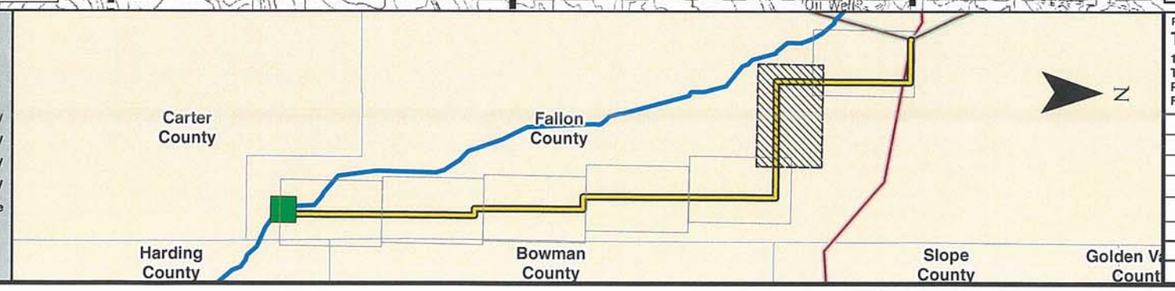
## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FALLON COUNTY, MONTANA
**PS-15**

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

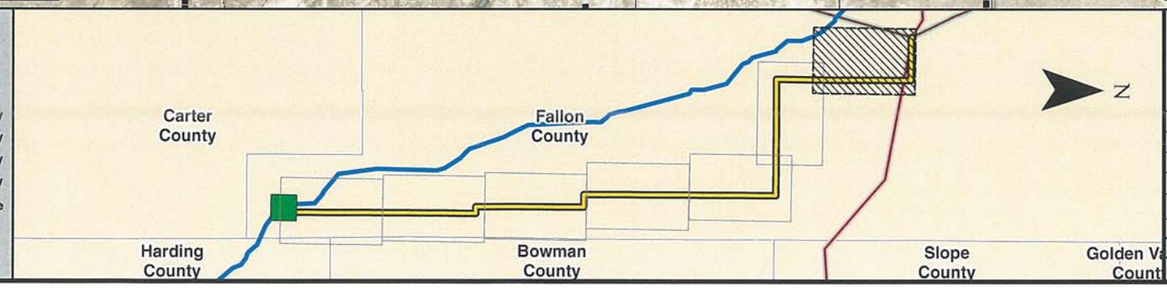
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-06 -Q | 06 of 07 | 0 |

S 1 T 006N R 059E
MP 250
S 36 T 007N R 059E
S 25 T 007N R 059E
S 24 T 007N R 059E
Baker, Lake
S 13 T 007N R 059E
Keirle Rd
S 12 T 007N R 059E
69kV
S 1 T 007N R 059E
MP 0
Burlington Northern Santa Fe R
Pleasher St
S 6 T 006N R 060E
S 31 T 007N R 060E
S 30 T 007N R 060E
S 19 T 007N R 060E
S 18 T 007N R 060E
S 7 T 007N R 060E
S 6 T 007N R 060E
Fallon County
Red Butte Creek
MT
MP 1
230
S 5 T 006N R 060E
SEE SHEET 15-06
SEE SHEET 15-07
S 32 T 007N R 060E
S 29 T 007N R 060E
S 20 T 007N R 060E
S 17 T 007N R 060E
Sandstone Creek
S 8 T 007N R 060E
S 5 T 007N R 060E
MP 2
S 4 T 006N R 060E
MP 7
S 33 T 007N R 060E
MP 6
S 28 T 007N R 060E
MP 5
S 21 T 007N R 060E
MP 4
S 16 T 007N R 060E
MP 3
S 9 T 007N R 060E
S 4 T 007N R 060E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FALLON COUNTY, MONTANA
**PS-15**

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

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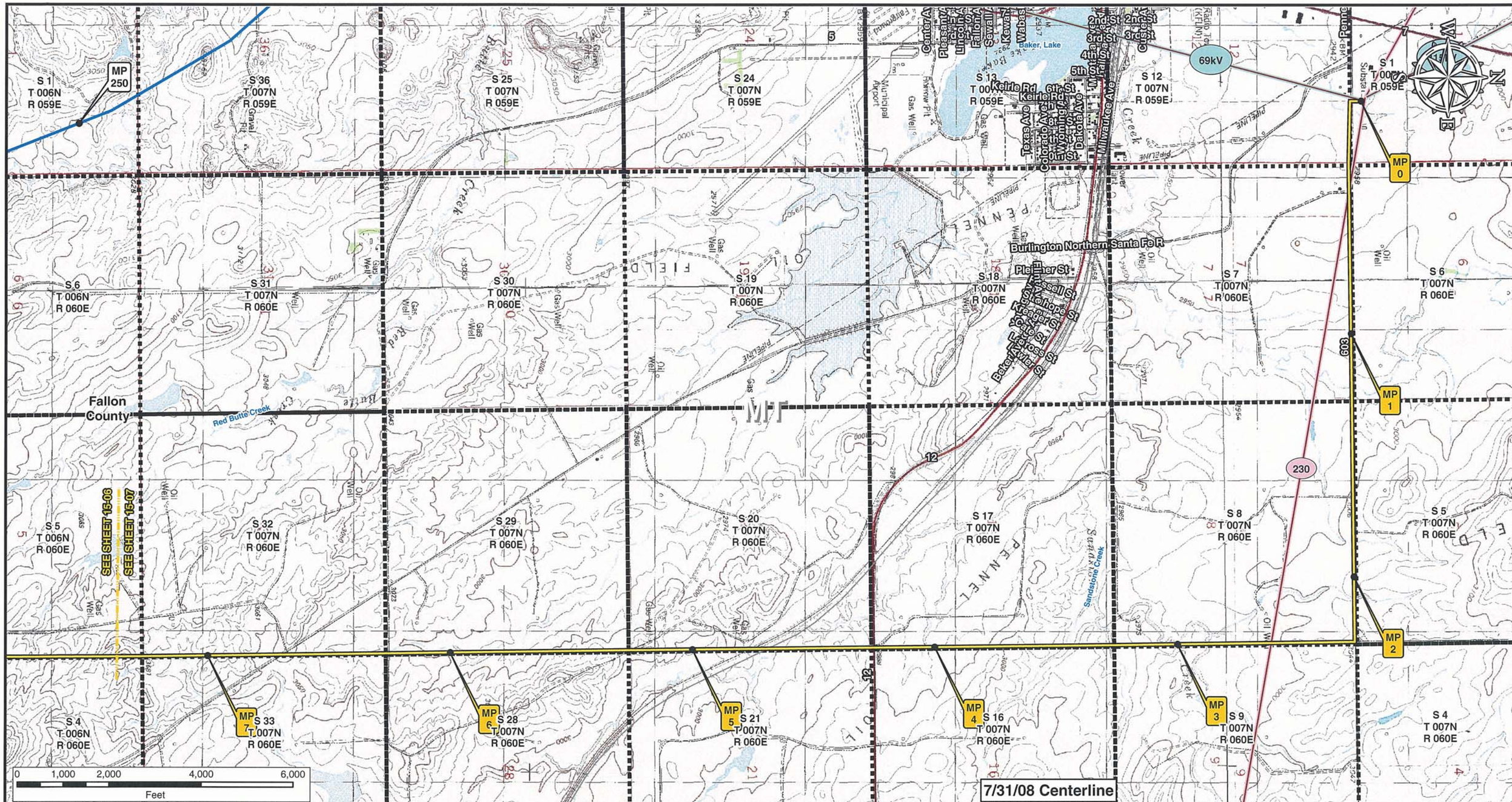
| AH | SS | RG | 50388X | XL-30-ML-2003-P-15-07-A | 07 of 07 | 0 |



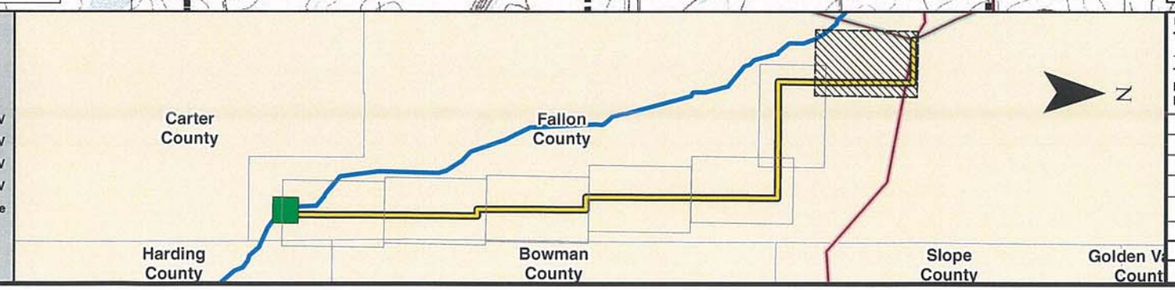

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FALLON COUNTY, MONTANA
PS-15

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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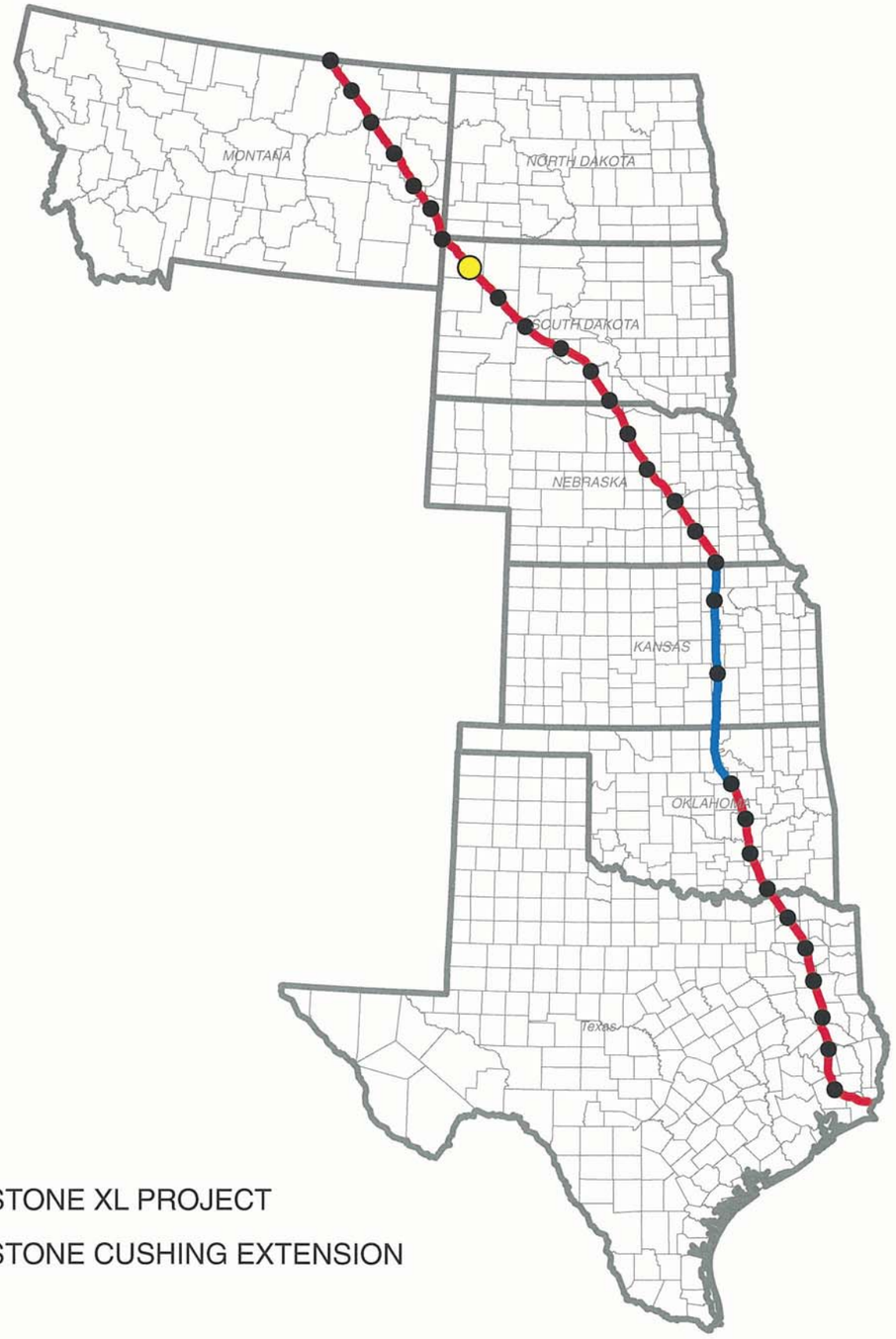
| AH | SS | RG | 50388X | XL- 30-ML-2003-P- 15-07 -Q | 07 of 07 | 0 |




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-16

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

N
W E
S

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S 27 T 17N R 6E
S 22 T 17N R 6E
S 15 T 17N R 6E
S 10 T 17N R 6E
S 3 T 17N R 6E
West Squaw Creek
S 34 T 18N R 6E
SEE SHEET 16-01
SEE SHEET 16-02
W
N
E
S
MP 6
MP 328
S 26 T 17N R 6E
JJ Bird
S 23 T 17N R 6E
S 14 T 17N R 6E
S 11 T 17N R 6E
S 2 T 17N R 6E
MP 329
S 35 T 18N R 6E
MP 7
S 26 T 18N R 6E
Harding County
SD
MP 330
MP 331
MP 8
S 25 T 18N R 6E
S 25 T 17N R 6E
S 24 T 17N R 6E
S 13 T 17N R 6E
S 12 T 17N R 6E
S 1 T 17N R 6E
S 36 T 18N R 6E
MP 13
MP 332
MP 12
MP 11
MP 10
MP 9
Park Rd
Wolf Creek
MP 333
S 19 T 17N R 7E
S 18 T 17N R 7E
S 7 T 17N R 7E
S 6 T 17N R 7E
S 31 T 18N R 7E
S 30 T 17N R 7E
East Squaw Creek
S 30 T 17N R 7E
PS-16
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

## Legend

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

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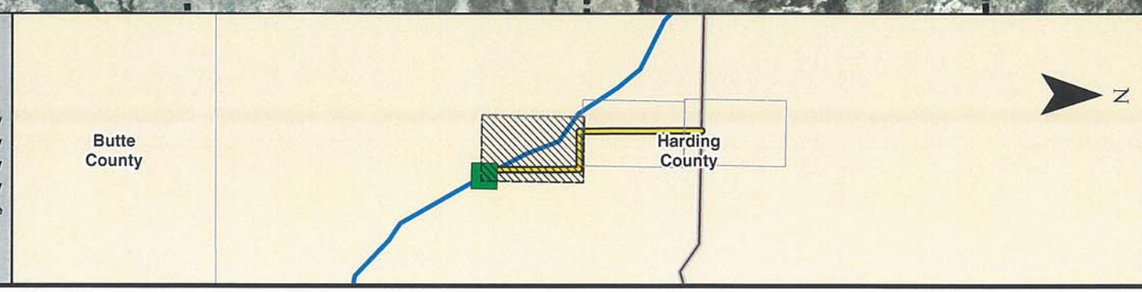


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HARDING COUNTY, SOUTH DAKOTA
**PS-16**

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

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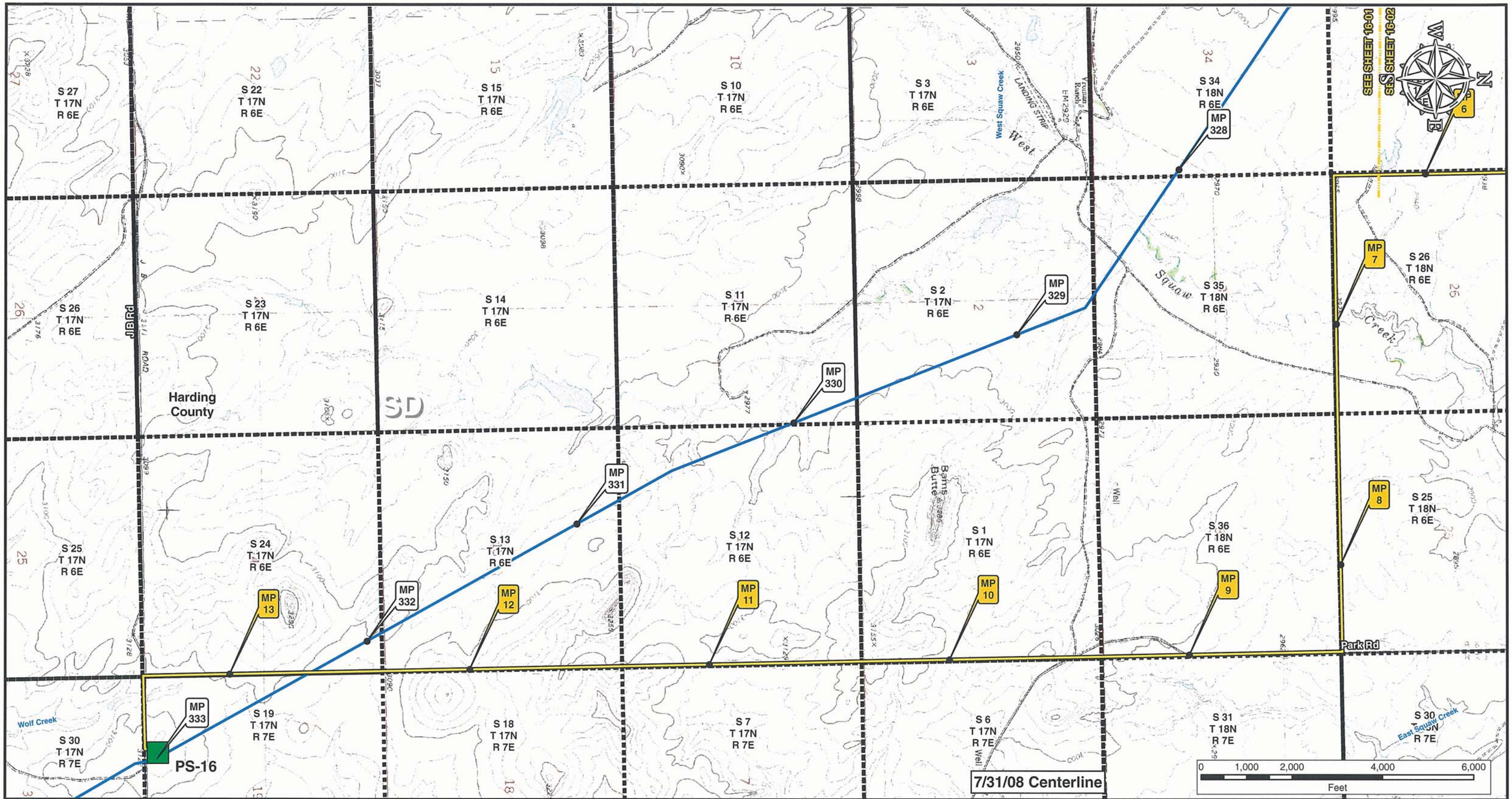


**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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- 500kV - 734kV
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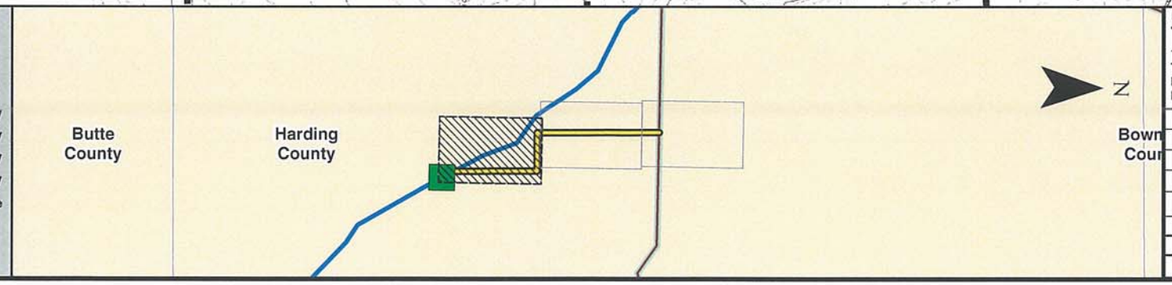
- AC-DC-AC Tie
- DC

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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'

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| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 16-01 -Q | 01 of 03 | 0 |

S 33 T 18N R 6E
S 28 T 18N R 6E
S 21 T 18N R 6E
S 16 T 18N R 6E
S 9 T 18N R 6E
S 4 T 18N R 6E
S 33 T 19N R 6E
S 34 T 18N R 6E
S 27 T 18N R 6E
S 22 T 18N R 6E
S 15 T 18N R 6E
S 10 T 18N R 6E
S 3 T 18N R 6E
S 34 T 19N R 6E
S 35 T 18N R 6E
S 26 T 18N R 6E
S 23 T 18N R 6E
S 14 T 18N R 6E
S 11 T 18N R 6E
S 2 T 18N R 6E
S 35 T 19N R 6E
S 36 T 18N R 6E
S 25 T 18N R 6E
S 24 T 18N R 6E
S 13 T 18N R 6E
S 12 T 18N R 6E
S 1 T 18N R 6E
S 36 T 19N R 6E

MP 327
MP 1
MP 2
MP 3
MP 4
MP 5
MP 6
MP 7
MP 8

SEE SHEET 16-01
SEE SHEET 16-02
SEE SHEET 16-02
SEE SHEET 16-03

SD
Harding County
Butte County

Clarks Fork Creek
West Squaw Creek
West Squaw Creek
Park Rd
20
Sound 20

W
N
E
S

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

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
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- State Line
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- Section Line

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

Harding County
Butte 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'

| NO. | REVISION | DATE |
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| 0 | ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL) | 11.19.08 |

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 16-02 -A | 02 of 03 | 0 |

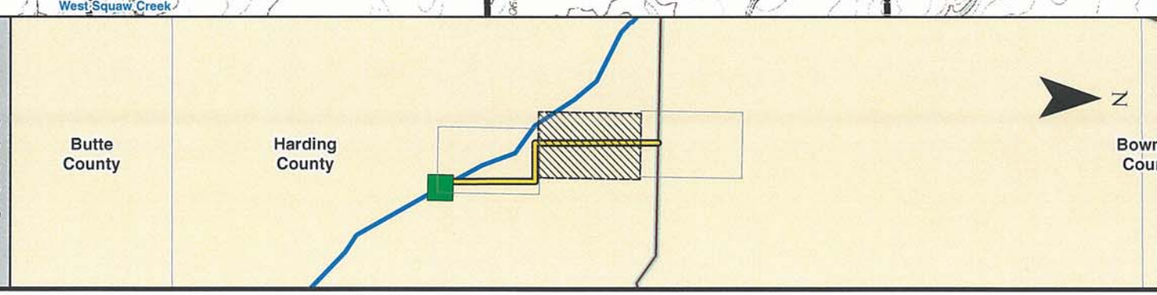
**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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**TROW ENGINEERING CONSULTANTS INC.**

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Phone: 1-850-385-5441
Fax: 1-850-385-5523

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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'

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| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 16-02 -Q | 02 of 03 | 0 |

S 33 T 19N R 6E
S 28 T 19N R 6E
S 21 T 19N R 6E
S 16 T 19N R 6E
S 9 T 19N R 6E
S 4 T 19N R 6E
S 33 T 20N R 6E
Jones Creek
W
S
N
E
S 34 T 19N R 6E
SEE SHEET 16-02
SEE SHEET 16-03
MP 1
MP 0
S 27 T 19N R 6E
S 22 T 19N R 6E
S 15 T 19N R 6E
Boxelder Creek
S 10 T 19N R 6E
S 3 T 19N R 6E
S 34 T 20N R 6E
Clarks Fork Creek
SD
Harding County
S 35 T 19N R 6E
S 26 T 19N R 6E
S 23 T 19N R 6E
S 14 T 19N R 6E
S 11 T 19N R 6E
S 2 T 19N R 6E
S 35 T 20N R 6E
69kV
Clarks Fork Creek
South Fork Grand River
Squaw Creek
Sioux Creek
S 36 T 19N R 6E
S 25 T 19N R 6E
S 24 T 19N R 6E
S 13 T 19N R 6E
S 12 T 19N R 6E
S 1 T 19N R 6E
S 36 T 20N R 6E
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

**Legend**

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

**Electric Lines**
Voltage

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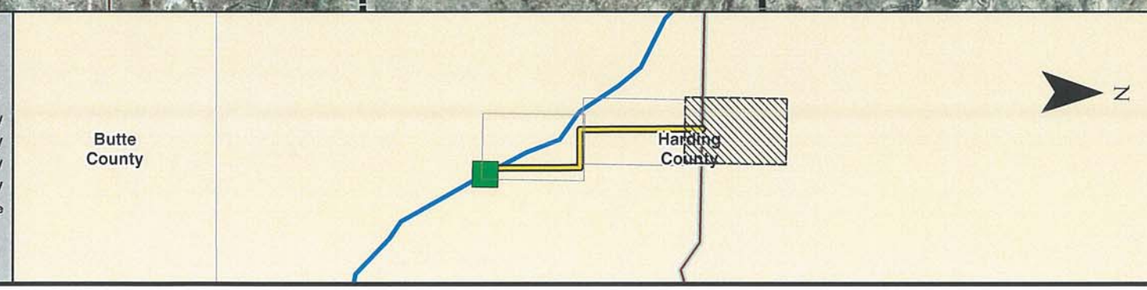
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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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- 16-03 -A | 03 of 03 | 0 |

S 33
T 19N
R 6E

S 28
T 19N
R 6E

S 21
T 19N
R 6E

S 16
T 19N
R 6E

S 9
T 19N
R 6E

S 4
T 19N
R 6E

S 34
T 19N
R 6E

S 27
T 19N
R 6E

S 22
T 19N
R 6E

S 15
T 19N
R 6E

S 10
T 19N
R 6E

S 3
T 19N
R 6E

S 34
T 20N
R 6E

SEE SHEET 16-02

SEE SHEET 16-03

MP 1

MP 0

Clarks Fork Creek

SD

Harding County

S 35
T 19N
R 6E

S 26
T 19N
R 6E

S 23
T 19N
R 6E

S 14
T 19N
R 6E

S 11
T 19N
R 6E

S 2
T 19N
R 6E

S 35
T 20N
R 6E

69kV

Clarks Fork Creek

Squaw Creek

Sioux Creek

South Fork Grand River

S 36
T 19N
R 6E

S 25
T 19N
R 6E

S 24
T 19N
R 6E

S 13
T 19N
R 6E

S 12
T 19N
R 6E

S 1
T 19N
R 6E

S 36
T 20N
R 6E

7/31/08 Centerline

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

## Legend

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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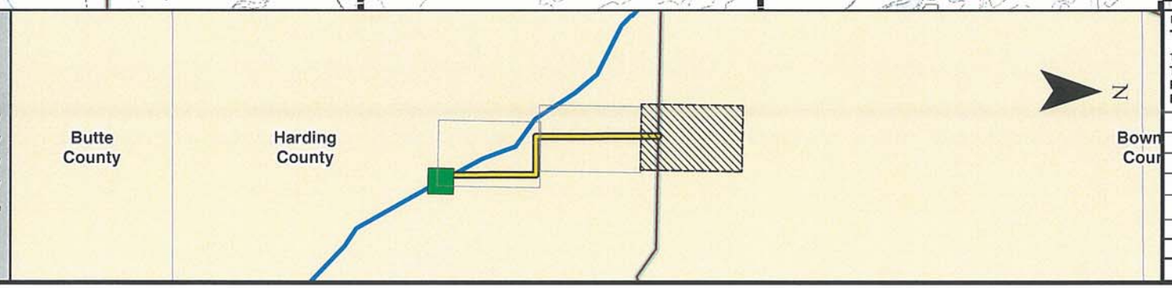
- AC-DC-AC Tie
- DC

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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'

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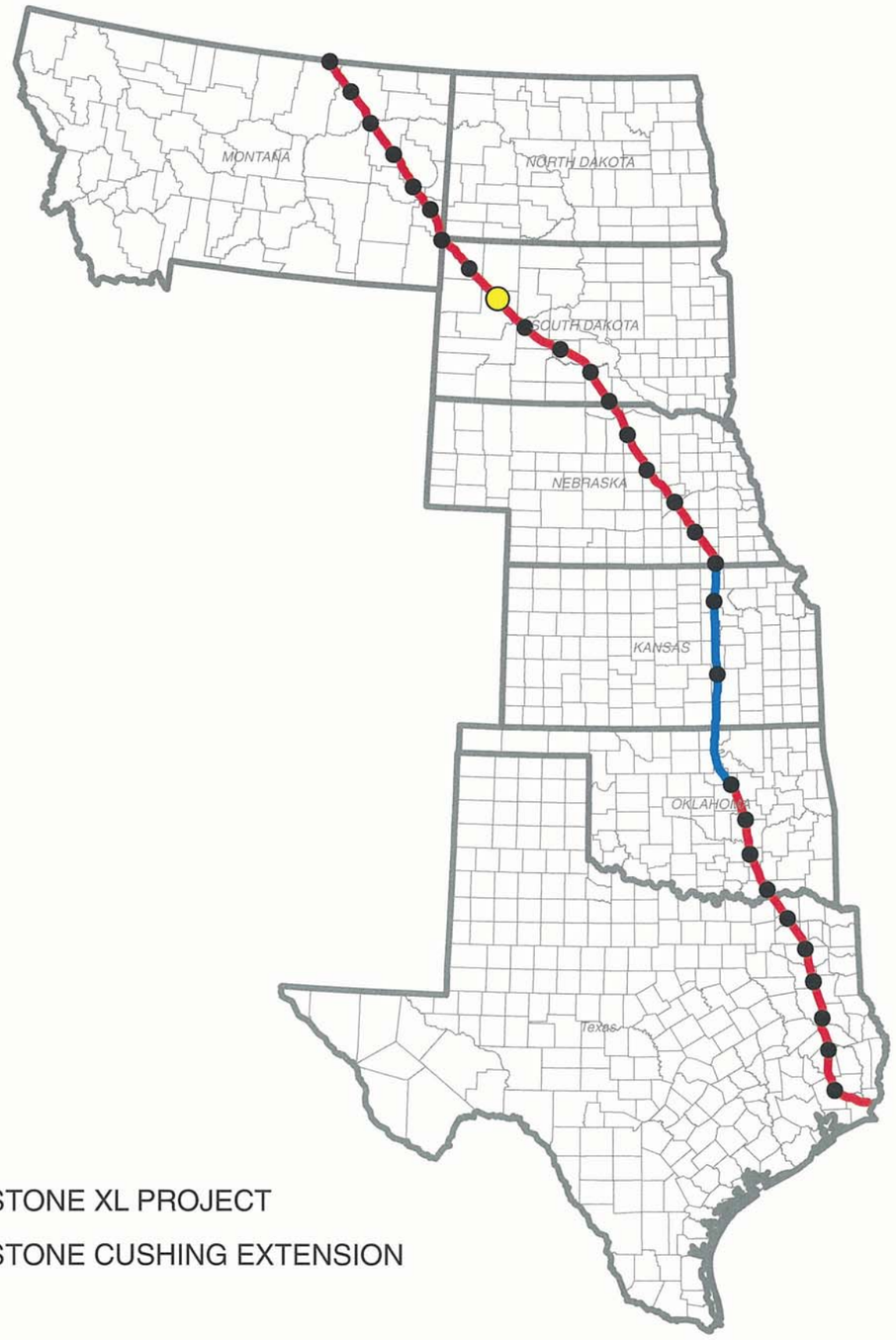
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 16-03 -Q | 03 of 03 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-17




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

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## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**


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| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 13N
NTS

PROJECT: 50388X

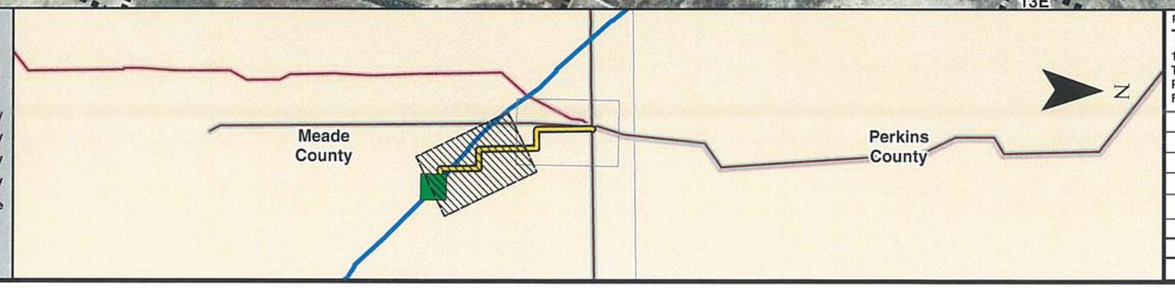
SHEET: COVER SHEET

MP 383
MP 384
MP 385
MP 386
MP 387
PS-17
MP 11
MP 10
MP 9
MP 8
MP 7
MP 6
MP 5
SD
Maurine Rd
Quartzite Rd
Triple Creek Rd
Opal Rd
177th Pl
Pine Creek
Middle Branch Pine Creek
Vansickel Lake
69kV
SEE SHEET 17-01
SEE SHEET 17-02
11N 13E 32
11N 13E 29
11N 13E 30
11N 13E 19
11N 13E 18
11N 13E 20
11N 13E 33
11N 13E 28
11N 13E 17
11N 13E 7
11N 12E 12
12E 13
12N 12E 36
11N 12E 1
11N 13E 6
11N 13E 8
11N 13E 5
12N 13E 31
12N 13E 32
12N 13E 29
11N 13E 21
11N 13E 16
11N 13E 9
11N 13E 4
11N 13E 27
11N 13E 22
11N 13E 15
11N 13E 10
11N 13E 26
11N 13E 23
12N 13E 33
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
## MEADE COUNTY, SOUTH DAKOTA
## PS-17

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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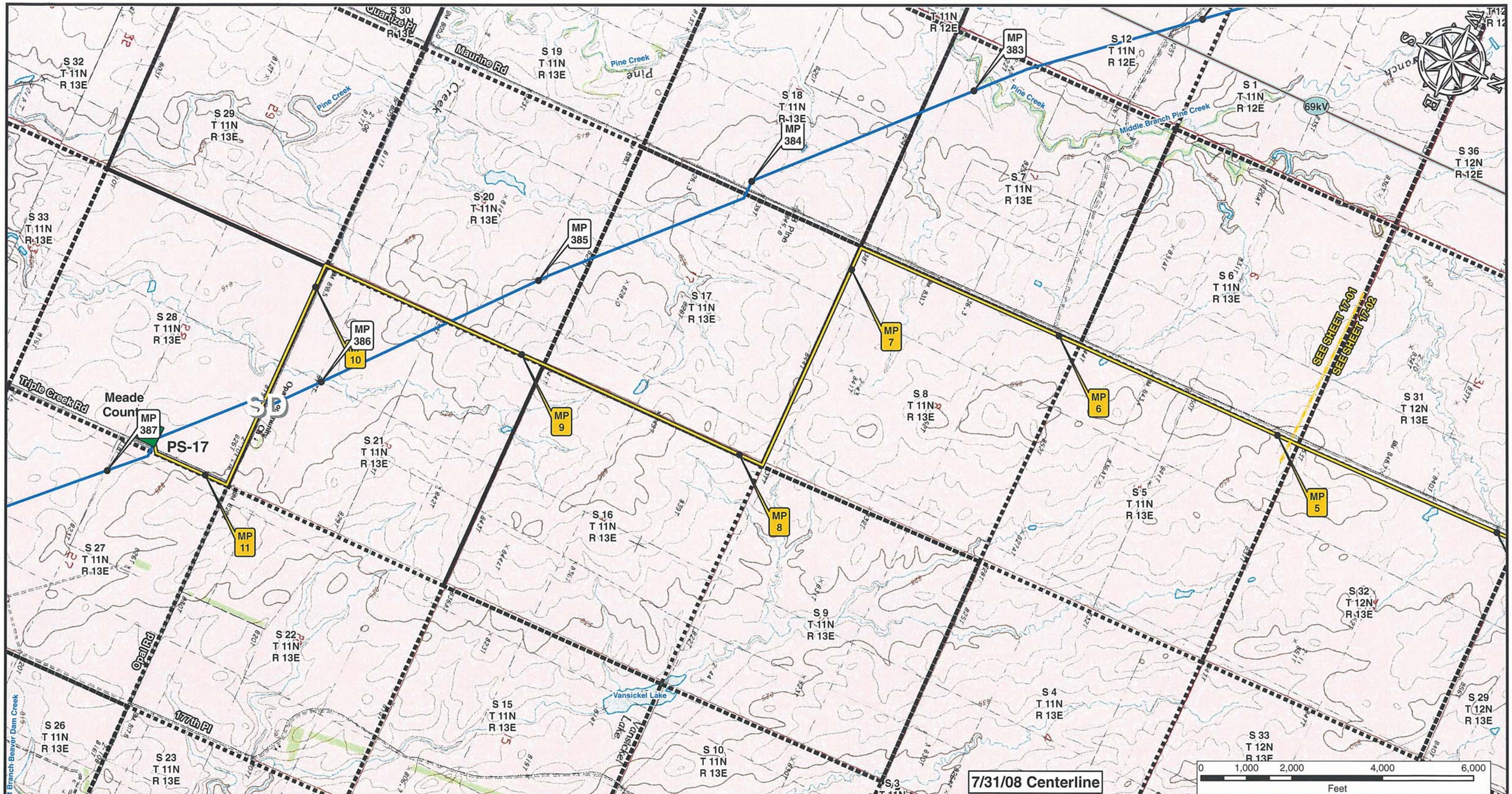
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 17-01 -A | 01 of 02 | 0 |




**Legend**

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

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Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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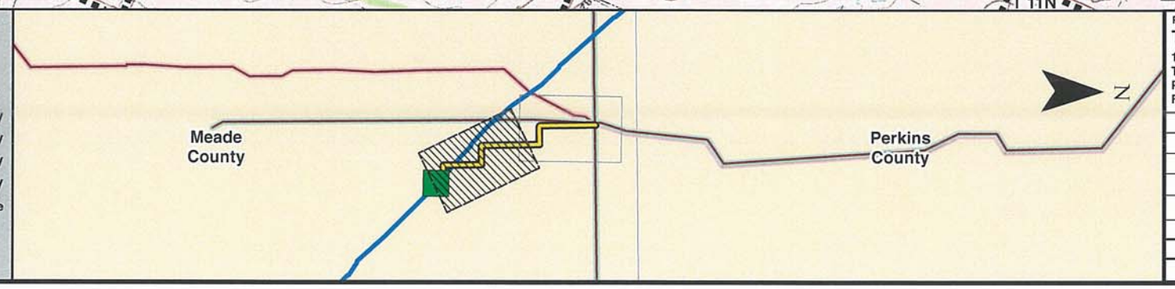
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MEADE COUNTY, SOUTH DAKOTA
PS-17

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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| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 17-01 -Q | 01 of 02 | 0 |

MP 381
MP 0
MP 1
MP 2
MP 3
MP 4
MP 5
230
69kV
115kV
212
177th Ave
Bixby Rd
Maurine Rd
Maurine Lake
Middle Branch Pine Creek
Deep Creek
Meade County
SD
SEE SHEET 17-01
SEE SHEET 17-02
11N 12E 2
12N 12E 35
12N 12E 26
12N 12E 23
12N 12E 14
12N 12E 11
12N 12E 1
11N 12E 1
12N 12E 36
12N 12E 25
12N 12E 24
12N 12E 13
12N 12E 12
12N 13E 31
11N 13E 6
12N 13E 30
12N 13E 19
12N 13E 18
12N 13E 7
12N 13E 6
11N 13E 5
12N 13E 32
12N 13E 29
12N 13E 20
12N 13E 17
12N 13E 8
12N 13E 5
N
S
W
E
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
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- Matchline
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- County Line
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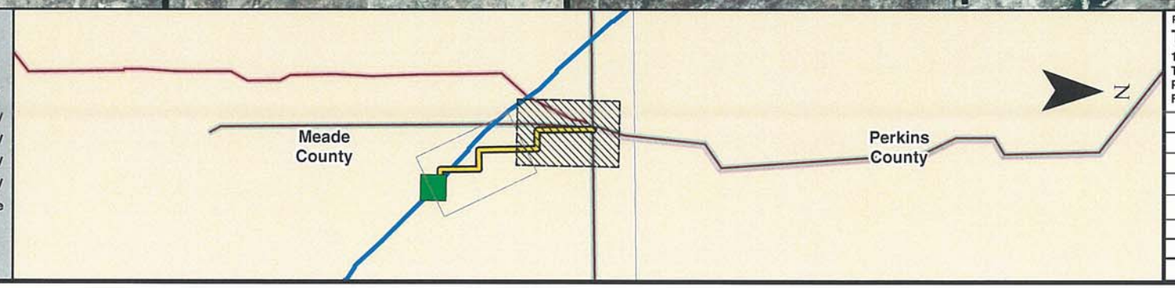


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MEADE COUNTY, SOUTH DAKOTA
**PS-17**

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- 17-02 -A | 02 of 02 | 0 |

MP 381
MP 0
MP 1
MP 2
MP 3
MP 4
MP 5
230
69kV
115kV
DOUBLE WOODEN POLE TRANS LINE
177th Ave
Bixby Rd
Maurine Lake
Maurine Lake SPILLWAY
Middle Branch Pine Creek
Branch
Deep Creek
Maurine Rd
Meade County
SEE SHEET 17-01
SEE SHEET 17-02
S 2 T 11N R 12E
S 35 T 12N R 12E
S 26 T 12N R 12E
S 23 T 12N R 12E
S 14 T 12N R 12E
S 11 T 12N R 12E
S 1 T 11N R 12E
S 36 T 12N R 12E
S 25 T 12N R 12E
S 24 T 12N R 12E
S 13 T 12N R 12E
S 12 T 12N R 12E
S 1 T 12N R 12E
S 31 T 12N R 13E
S 30 T 12N R 13E
S 19 T 12N R 13E
S 18 T 12N R 13E
S 7 T 12N R 13E
S 6 T 12N R 13E
S 6 T 11N R 13E
S 5 T 11N R 13E
S 32 T 12N R 13E
S 29 T 12N R 13E
S 20 T 12N R 13E
S 17 T 12N R 13E
S 8 T 12N R 13E
S 5 T 12N R 13E
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

**Legend**

- Milepost
- Keystone XL Project
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- Roads
- Matchline
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- State Line
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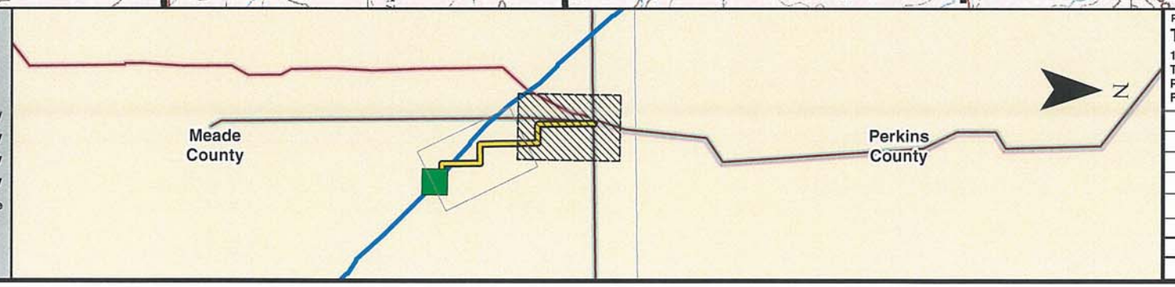


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MEADE COUNTY, SOUTH DAKOTA
**PS-17**

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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# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-18

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

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**NOVEMBER 19, 2008**
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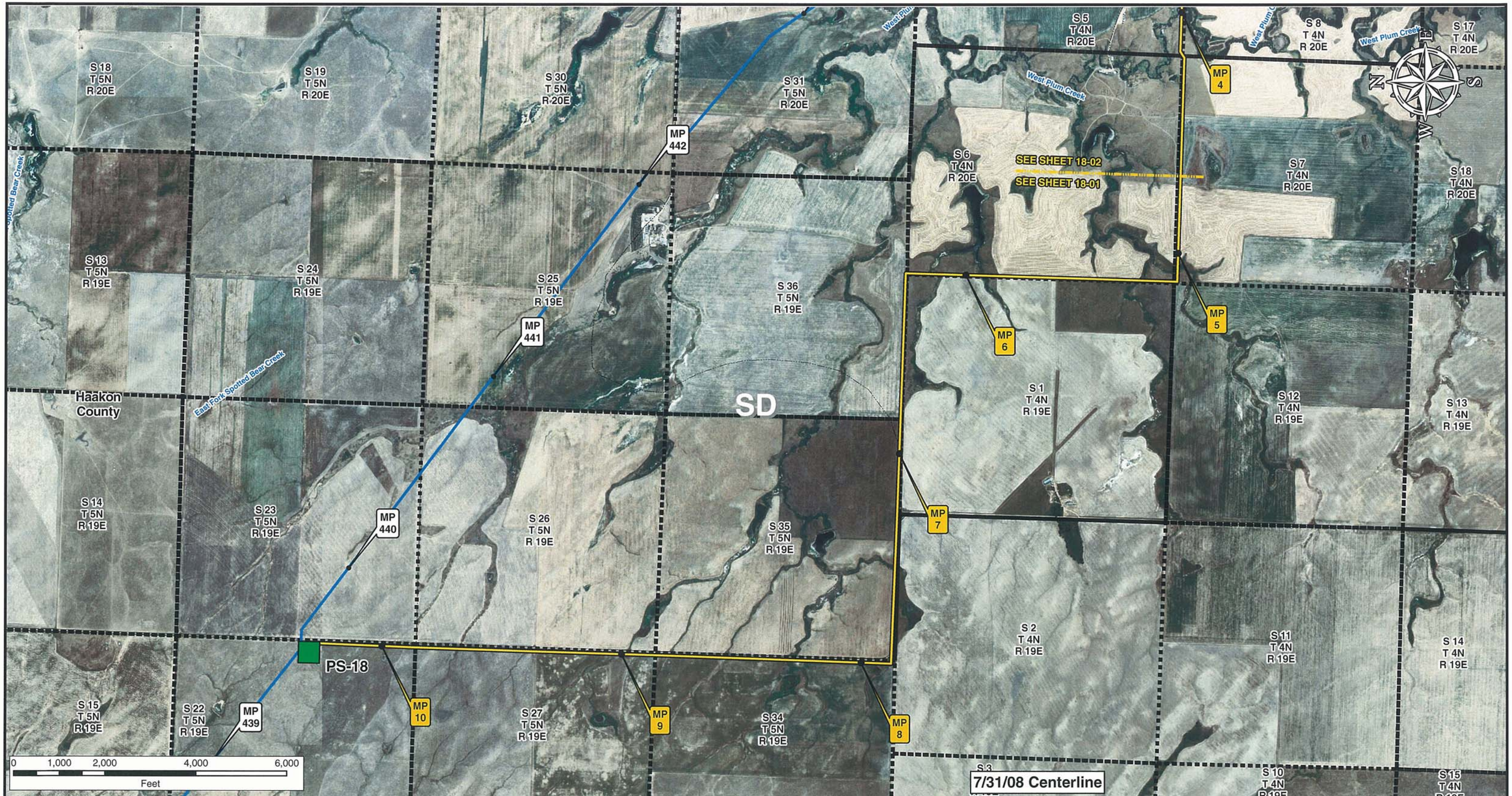
|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET




**Legend**

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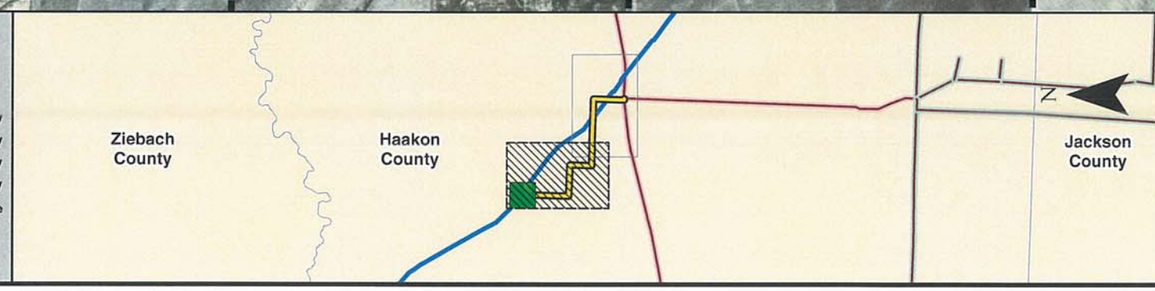



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HAAKON COUNTY, SOUTH DAKOTA
PS-18

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 18-01 -A | 01 of 02 | 0 |

S 18 T 5N R 20E
S 19 T 5N R 20E
S 30 T 5N R 20E
S 31 T 5N R 20E
S 5 T 4N R 20E
S 8 T 4N R 20E
S 17 T 4N 20E
S 6 T 4N R 20E
S 7 T 4N R 20E
S 18 T 4N R 20E
S 13 T 5N R 19E
S 24 T 5N R 19E
S 25 T 5N R 19E
S 36 T 5N R 19E
S 1 T 4N R 19E
S 12 T 4N R 19E
S 13 T 4N R 19E
S 14 T 5N R 19E
S 23 T 5N R 19E
S 26 T 5N R 19E
S 35 T 5N R 19E
S 2 T 4N R 19E
S 11 T 4N R 19E
S 14 T 4N R 19E
S 15 T 5N R 19E
S 22 T 5N R 19E
S 27 T 5N R 19E
S 34 T 5N R 19E
S 3
S 10 T 4N R 19E
S 15 T 4N R 19E

West Plum Creek
East Fork Spotted Bear Creek
Spotted Bear Creek

MP 442
MP 441
MP 440
MP 439
MP 4
MP 5
MP 6
MP 7
MP 8
MP 9
MP 10

PS-18

SEE SHEET 18-02
SEE SHEET 18-01

Haakon County

SD

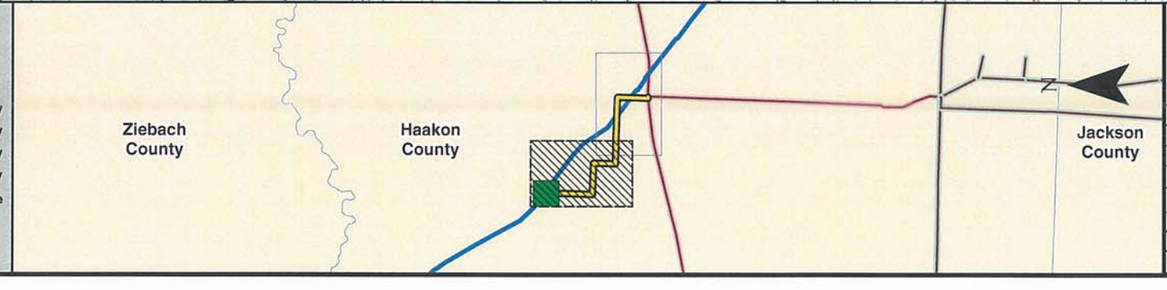
0 1,000 2,000 4,000 6,000
Feet

7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
HAAKON COUNTY, SOUTH DAKOTA
**PS-18**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 18-01 -Q | 01 of 02 | 0 |

MP 444
MP 445
MP 446
MP 447
MP 448
MP 6
MP 5
MP 4
MP 3
MP 2
MP 1
MP 0
SEE SHEET 18-01
SEE SHEET 18-02
West Plum Creek
S 6 T 4N R 20E
S 5 T 4N R 20E
S 4 T 4N R 20E
S 3 T 4N R 20E
S 2 T 4N R 20E
S 1 T 4N R 20E
S 6 T 4N R 21E
S 7 T 4N R 20E
S 8 T 4N R 20E
S 9 T 4N R 20E
S 10 T 4N R 20E
S 11 T 4N R 20E
S 12 T 4N R 20E
S 7 T 4N R 21E
Haakon County
SD
73
S 18 T 4N R 20E
S 17 T 4N R 20E
S 16 T 4N R 20E
S 15 T 4N R 20E
S 14 T 4N R 20E
S 13 T 4N R 20E
S 18 T 4N R 21E
230
S 19
S 20 T 4N R 20E
S 21 T 4N R 20E
S 22 T 4N R 20E
S 23
S 24 T 4N R 20E
S 19 T 4N R 21E
Kroetch Lake
7/31/08 Centerline
0 1,000 2,000 4,000 6,000
Feet

## Legend

- Milepost
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- Transmission Supply Line Route
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- Matchline
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- State Line
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- Section Line

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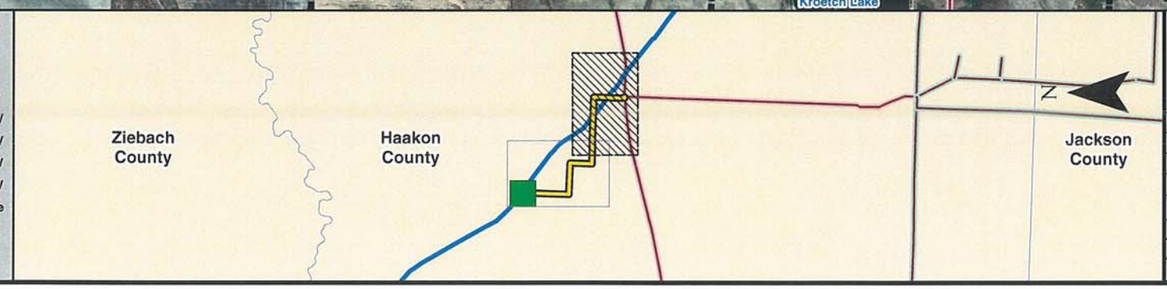
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HAAKON COUNTY, SOUTH DAKOTA
**PS-18**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 18-02 -A | 02 of 02 | 0 |

MP 444
MP 445
MP 446
MP 447
MP 448
MP 6
MP 5
MP 4
MP 3
MP 2
MP 1
MP 0
SEE SHEET 18-01
SEE SHEET 18-02
West Plum Creek
Brooks Ranch
Haakon County
SD
Kroetch Ranch
Kroetch Lake
Brak King Ranch
230
73
37
T5N R 20E
T5N R 21E
S 1 T 4N R 20E
S 2 T 4N R 20E
S 3 T 4N R 20E
S 4 T 4N R 20E
S 5 T 4N R 20E
S 6 T 4N R 20E
S 6 T 4N R 21E
S 7 T 4N R 20E
S 7 T 4N R 21E
S 8 T 4N R 20E
S 9 T 4N R 20E
S 10 T 4N R 20E
S 11 T 4N R 20E
S 12 T 4N R 20E
S 13 T 4N R 20E
S 14 T 4N R 20E
S 15 T 4N R 20E
S 16 T 4N R 20E
S 17 T 4N R 20E
S 18 T 4N R 20E
S 18 T 4N R 21E
S 19 T 4N R 21E
S 19
S 20 T 4N R 20E
S 21 T 4N R 20E
S 22 T 4N R 20E
S 23
S 24 T 4N R 20E
12 4N 9E
1 4N 19E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

Legend

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

Electric Lines
Voltage

- Below 230kV
- 230kV - 344kV
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- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC

Ziebach County
Haakon County
Jackson County


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HAAKON COUNTY, SOUTH DAKOTA
PS-18

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

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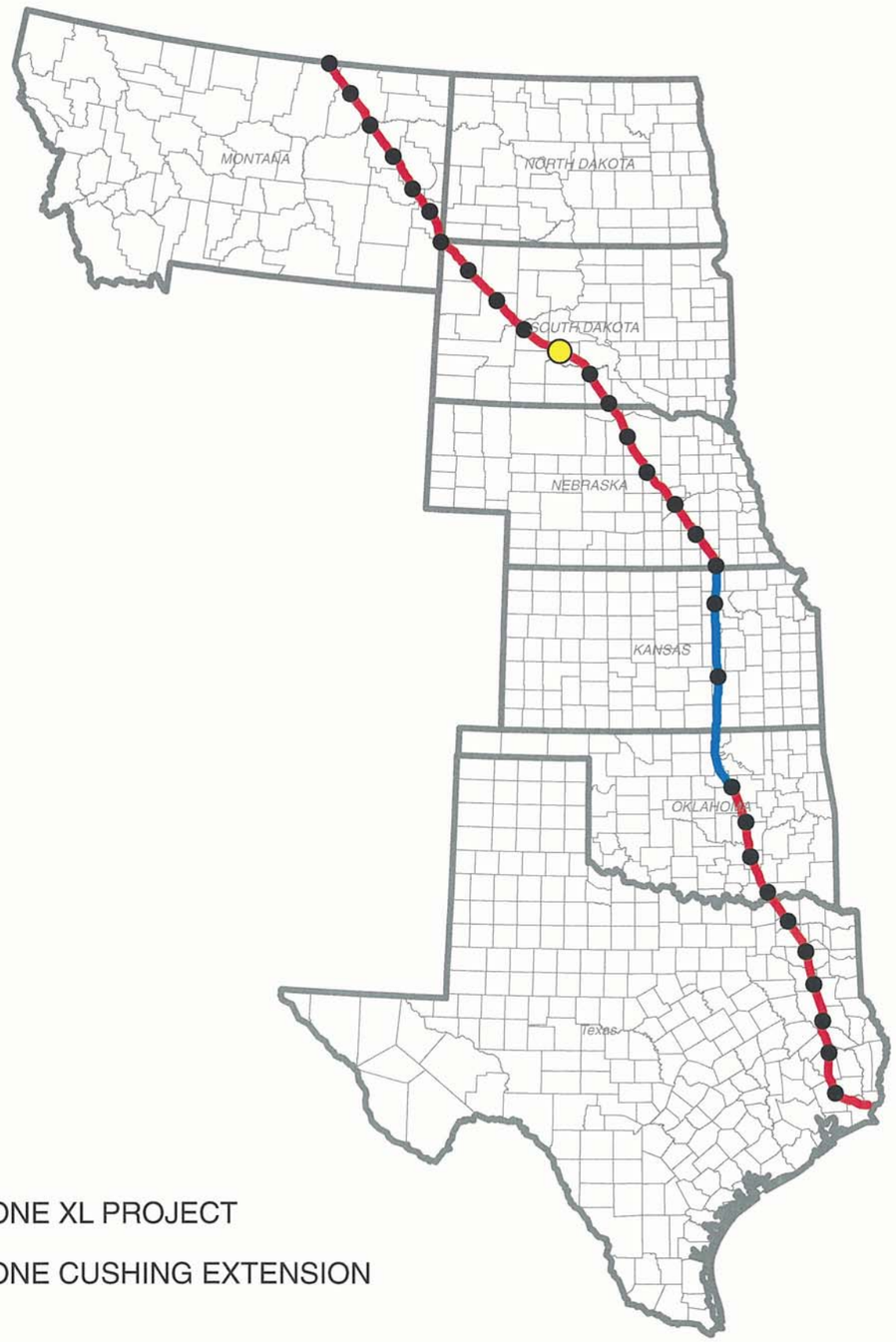
# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-19




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

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## NOVEMBER 19, 2008
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**7/31/08 Centerline**


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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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SEE SHEET 19-02

SEE SHEET 19-01

S 22 T 1N R 26E | S 24 T 1N R 26E | S 19 T 1N R 27E | S 20 T 1N R 27E | S 21 T 1N R 27E

S 23 T 1N R 26E

S 27 T 1N R 26E | S 26 T 1N R 26E | S 25 T 1N R 26E | S 30 T 1N R 27E | S 29 T 1N R 27E | S 28 T 1N R 27E | S 27 T 1N R 27E

S 34 T 1N R 26E | S 35 T 1N R 26E | S 36 T 1N R 26E | S 31 T 1N R 27E | S 32 T 1N R 27E | S 33 T 1N R 27E | S 34 T 1N R 27E

S 2 T 1S R 26E | S 1 T 1S R 26E | S 6 T 1S R 27E | S 5 T 1S R 27E | S 4 T 1S R 27E | S 3 T 1S R 27E | S 2 T 1S R 27E

MP 11 | MP 489 | MP 12 | MP 490 | MP 13 | MP 14 | MP 491 | MP 15 | MP 492 | MP 493 | MP 494 | MP 16 | MP 17 | MP 18

PS-19

Jones County

SD

N3

Dry Creek

Dry Creek

7/31/08 Centerline

N

W E

S

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

Feet

## Legend

- Milepost
- Keystone XL Project
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**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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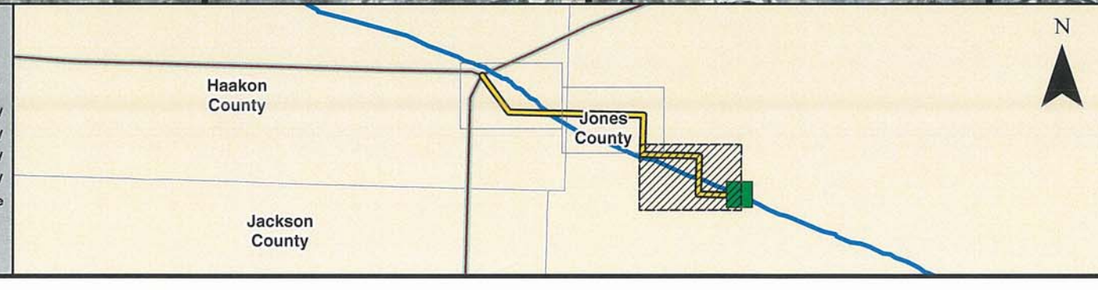
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
**PS-19**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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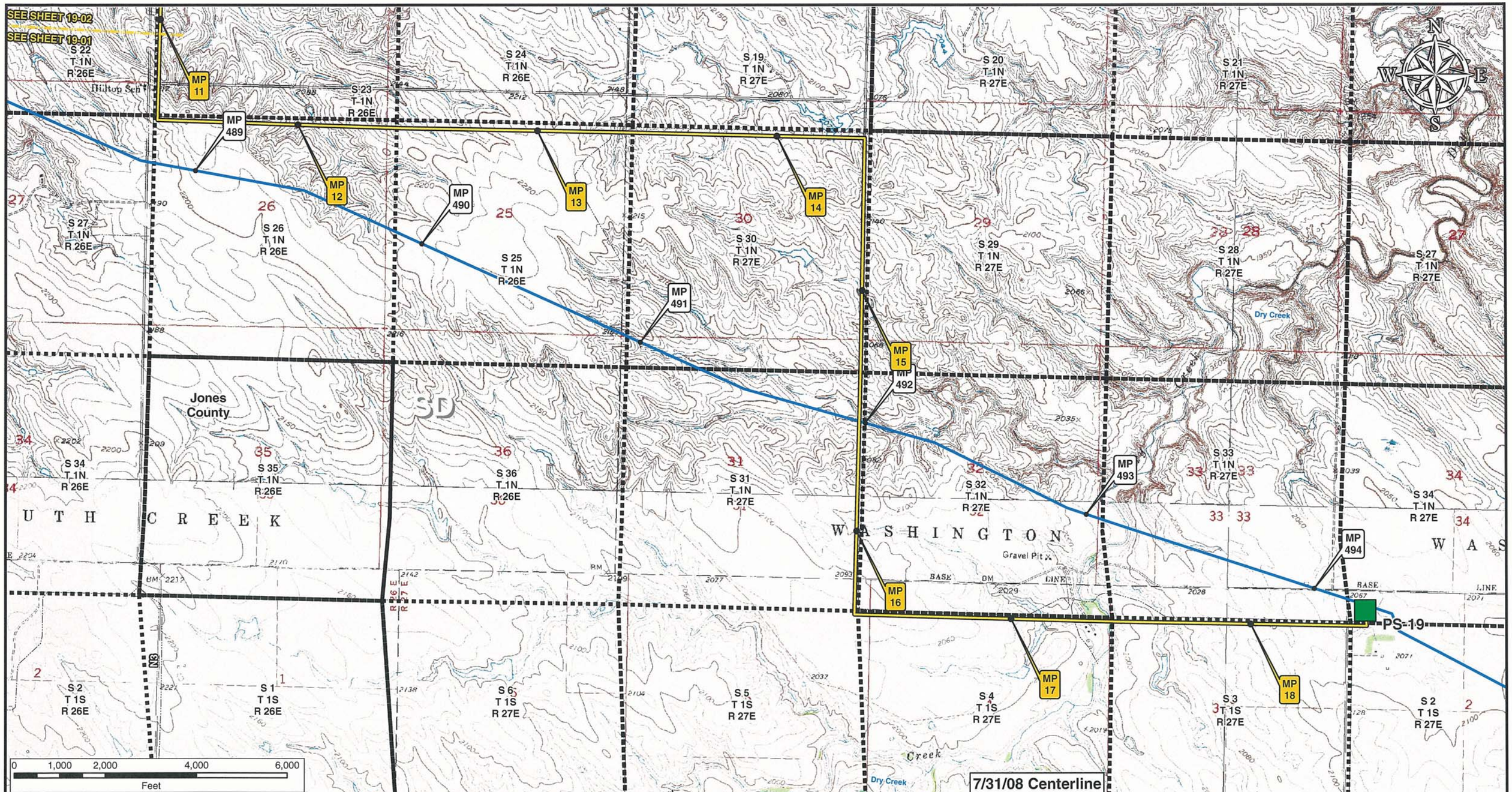


**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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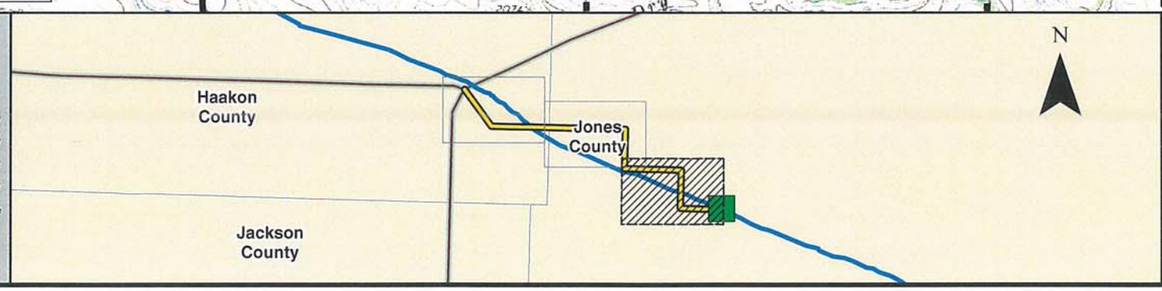


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
PS-19

MAP PARAMETERS
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S 12 T 1N R 25E | S 7 T 1N R 26E | S 8 T 1N R 26E | S 9 T 1N R 26E | S 10 T 1N R 26E | S 11 T 1N R 26E | S 12 T 1N R 26E

S 13 T 1N R 25E | S 18 T 1N R 26E | S 17 T 1N R 26E | S 16 T 1N R 26E | S 15 T 1N R 26E | S 14 T 1N R 26E | S 13 T 1N R 26E

S 24 T 1N R 25E | S 19 T 1N R 26E | S 20 T 1N R 26E | S 21 T 1N R 26E | S 22 T 1N R 26E | S 23 T 1N R 26E | S 24 T 1N R 26E

N

W E

S

South Creek

SEE SHEET 19-03

SEE SHEET 19-02

Haakon County

SD

Jones County

MP 484

MP 5

MP 6

MP 7

MP 8

MP 9

MP 10

MP 485

MP 486

MP 487

MP 488

N4

N3

SEE SHEET 19-02

SEE SHEET 19-01

7/31/08 Centerline

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

Feet

## Legend

- Milepost
- Keystone XL Project
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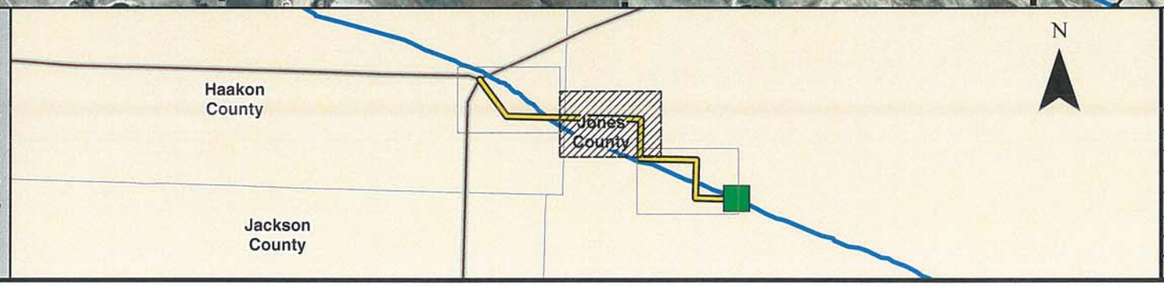



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
**PS-19**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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S 12 T 1N R 25E | S 7 T 1N R 26E | S 8 T 1N R 26E | S 9 T 1N R 26E | S 10 T 1N R 26E | S 11 T 1N R 26E | S 12 T 1N R 26E

SEE SHEET 19-03

SEE SHEET 19-02

South Creek

Haakon County

Jones County

MP 484

MP 5

MP 6

MP 7

MP 8

MP 9

MP 10

MP 485

MP 486

MP 487

MP 488

S 13 T 1N R 25E | S 18 T 1N R 26E | S 17 T 1N R 26E | S 16 T 1N R 26E | S 15 T 1N R 26E | S 14 T 1N R 26E | S 13 T 1N R 26E

S 24 T 1N R 25E | S 19 T 1N R 26E | S 20 T 1N R 26E | S 21 T 1N R 26E | S 22 T 1N R 26E | S 23 T 1N R 26E | S 24 T 1N R 26E

S O U T H C R E E K

SEE SHEET 19-02

SEE SHEET 19-01

7/31/08 Centerline

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

Feet

## Legend

- Milepost
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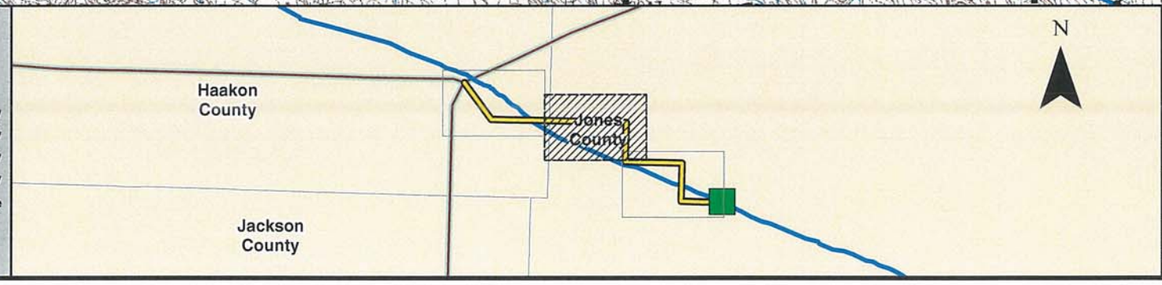



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
**PS-19**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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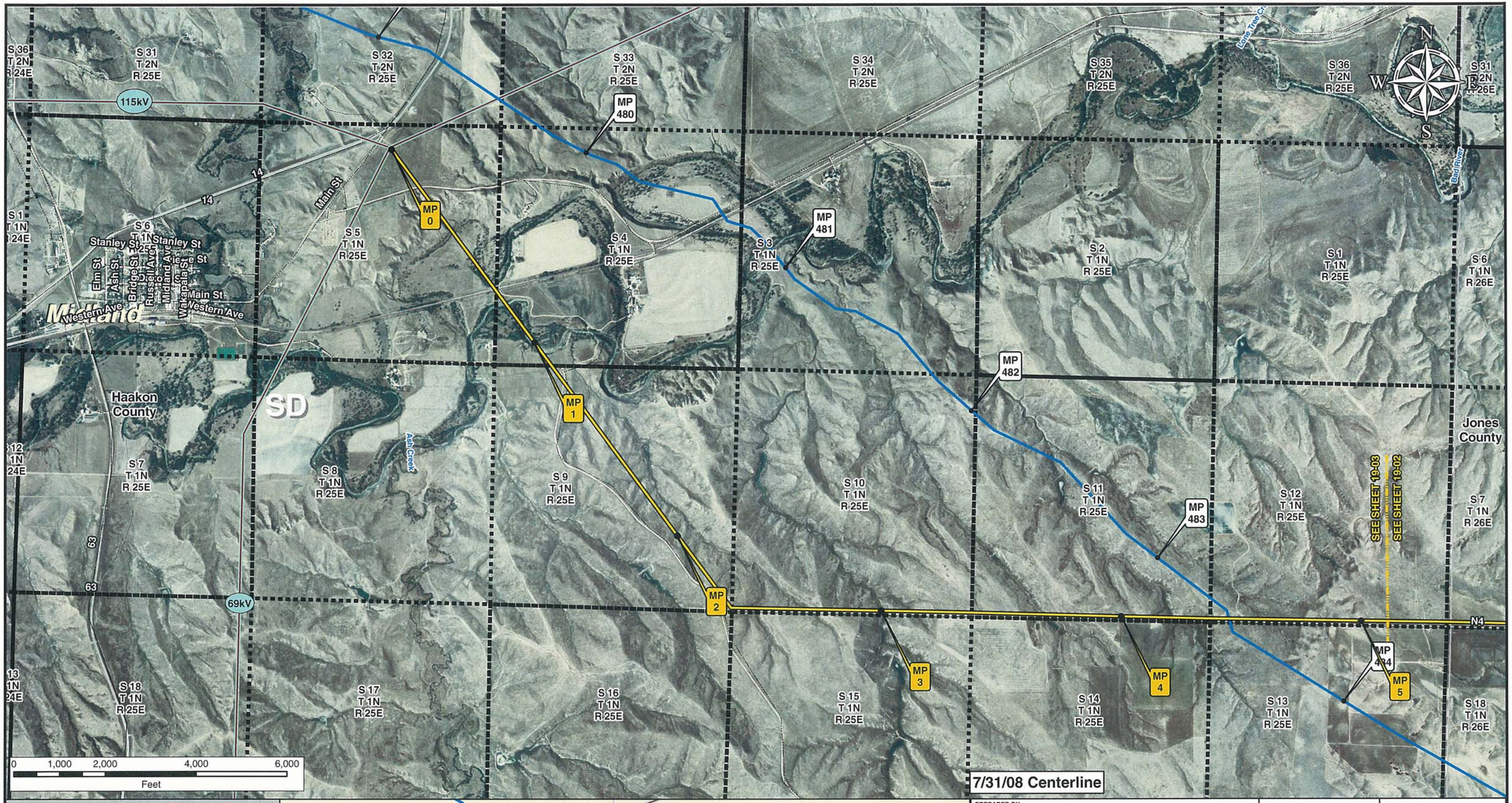


**Legend**

- Milepost
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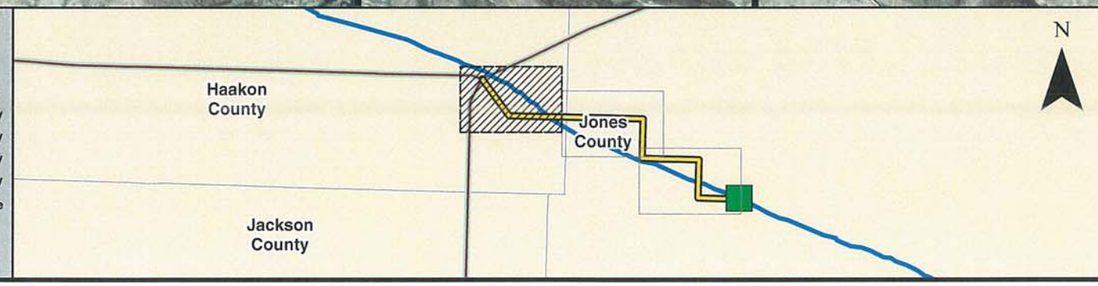


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
**PS-19**

MAP PARAMETERS
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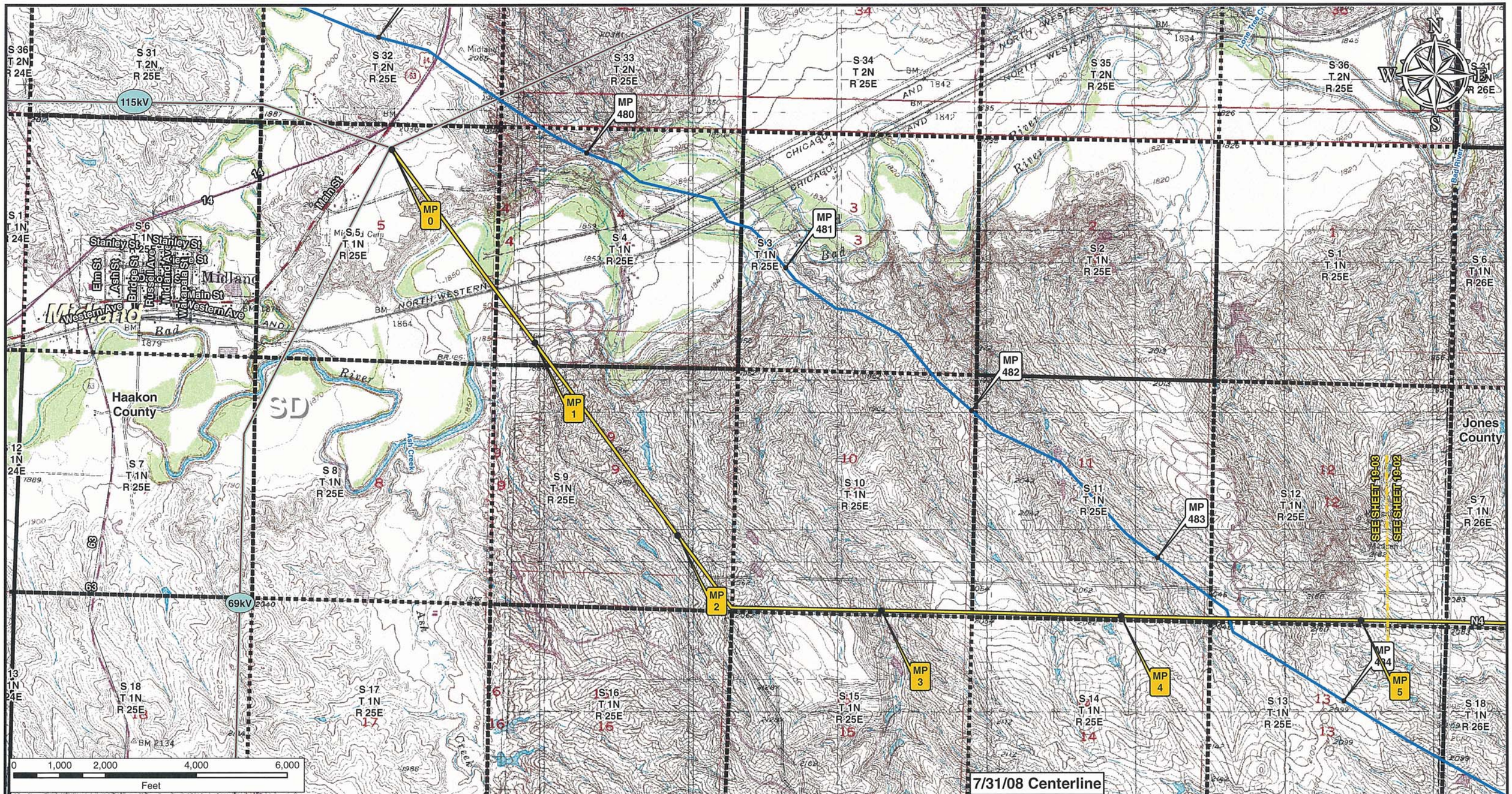


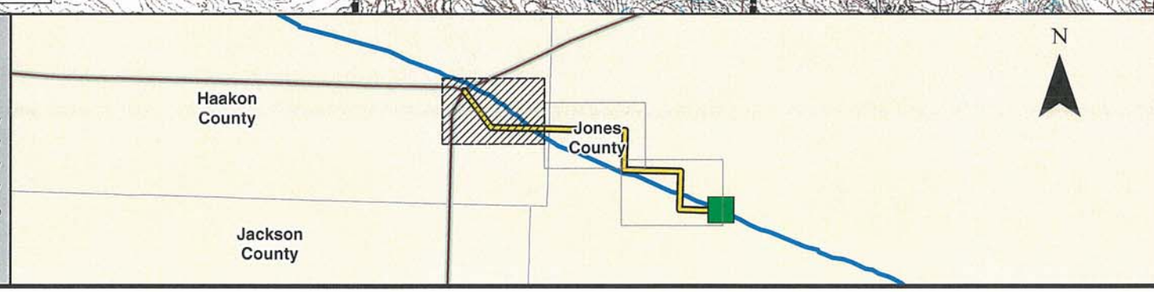


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- Pump Station
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JONES COUNTY, SOUTH DAKOTA
PS-19

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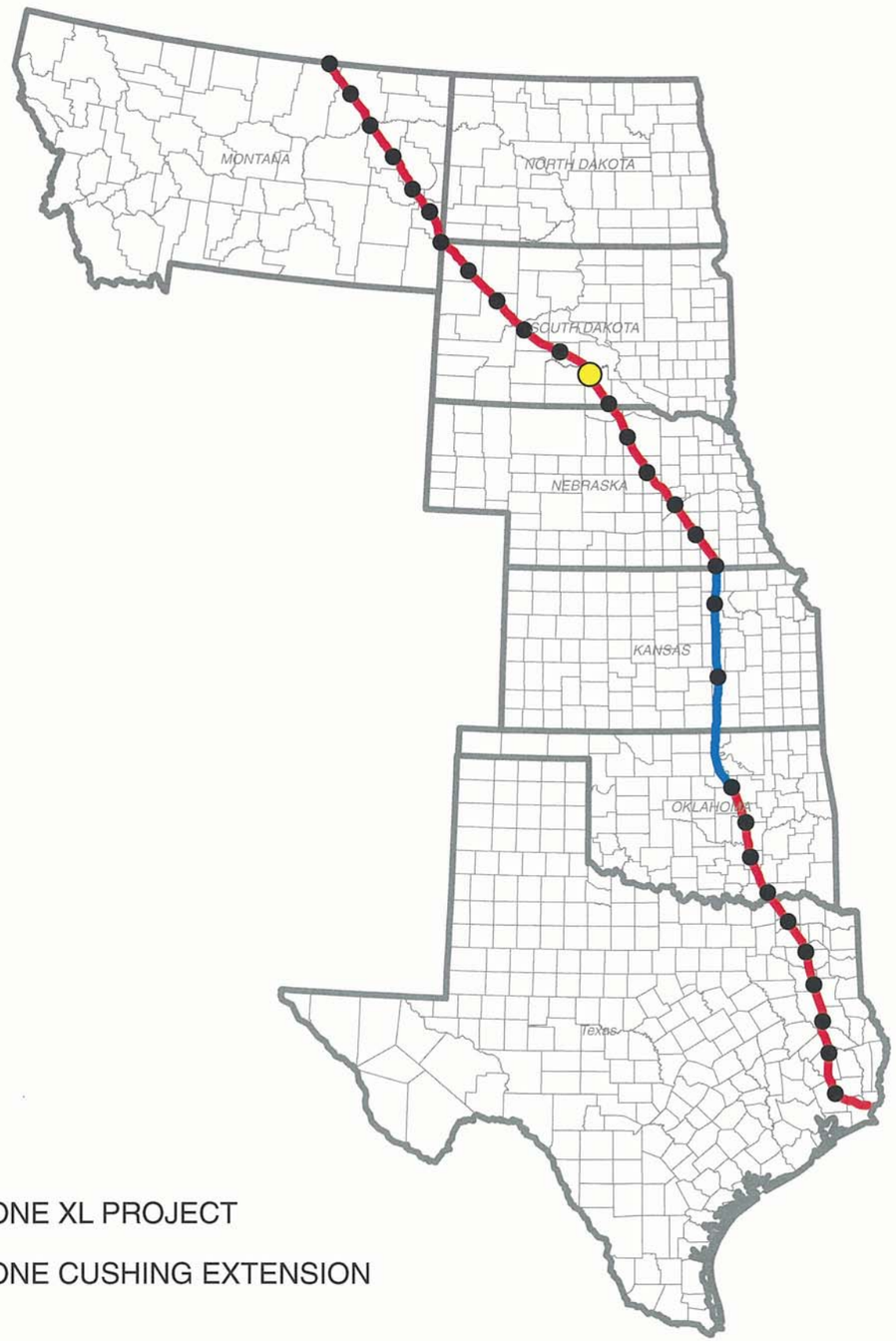


KEYSTONE XL PROJECT

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-20

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

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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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

S 33 T 102N R 77W | S 4 T 101N R 77W | S 9 T 101N R 77W | S 16 T 101N R 77W | S 21 T 101N R 77W | S 28 T 101N R 77W

S 32 T 102N R 77W | S 5 T 101N R 77W | S 8 T 101N R 77W | S 17 T 101N R 77W | S 20 T 101N R 77W | S 29 T 101N R 77W | S 32 T 101N R 77W

S 31 T 102N R 77W | S 6 T 101N R 77W | S 7 T 101N R 77W | S 18 T 101N R 77W | S 19 T 101N R 77W | S 30 T 101N R 77W | S 31 T 101N R 77W

S 36 T 102N R 78W | S 1 T 101N R 78W | S 12 T 101N R 78W | S 13 T 101N R 78W | S 24 T 101N R 78W | S 25 T 101N R 78W | S 36 T 101N R 78W

MP 548 | MP 547 | MP 546 | MP 545 | MP 16 | MP 15 | MP 14 | MP 13 | MP 12 | MP 11

PS-20

SD

6140

263rd St | 265th St | 267th St | 268th St | 264th St

304th Ave | 305th Ave

Tripp County | Township Rd

SEE SHEET 20-01 | SEE SHEET 20-02

Cottonwood Creek

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

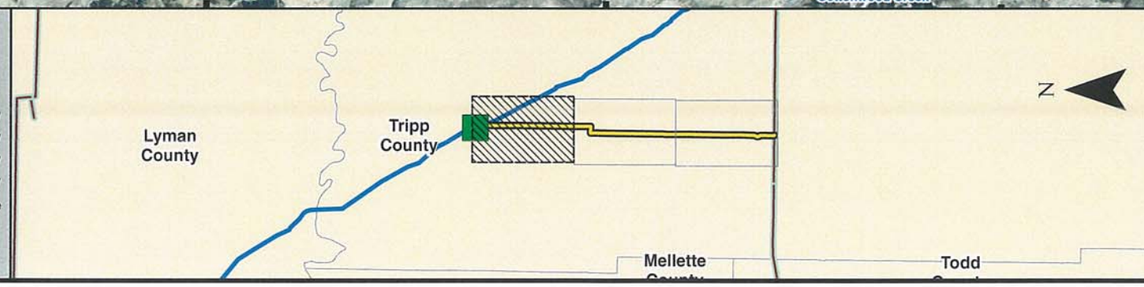
7/31/08 Centerline

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| NO. | REVISION | DATE |
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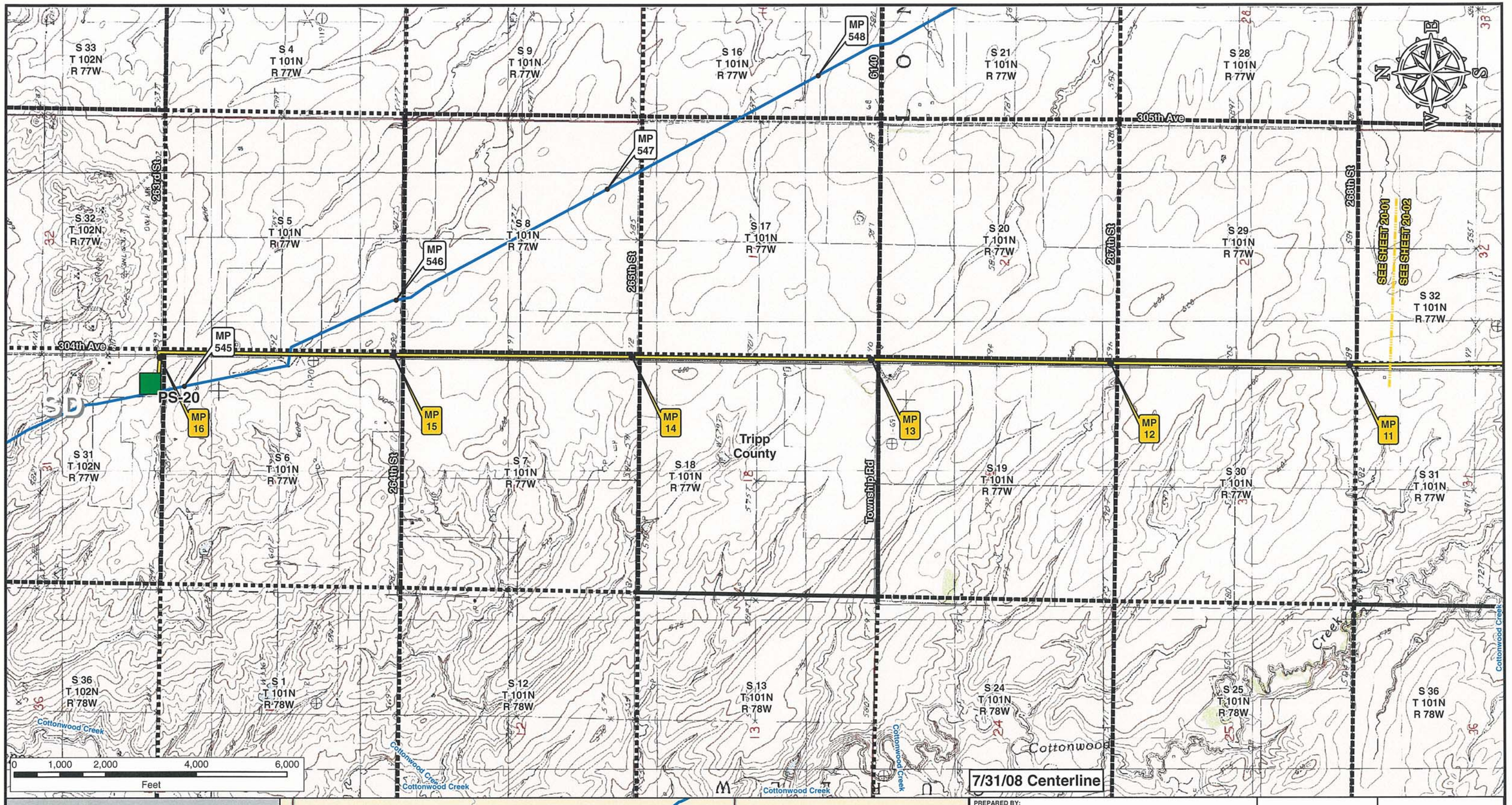
| 0 | ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL) | 11.19.08 |

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 20-01 -A | 01 of 03 | 0 |

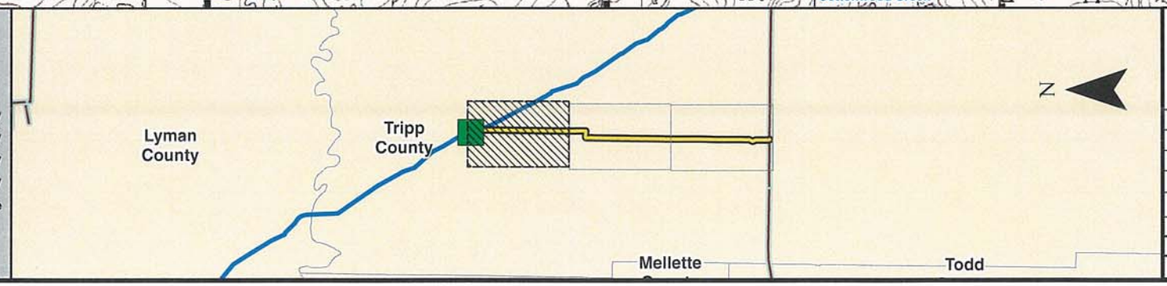



**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
## TRIPP COUNTY, SOUTH DAKOTA
## PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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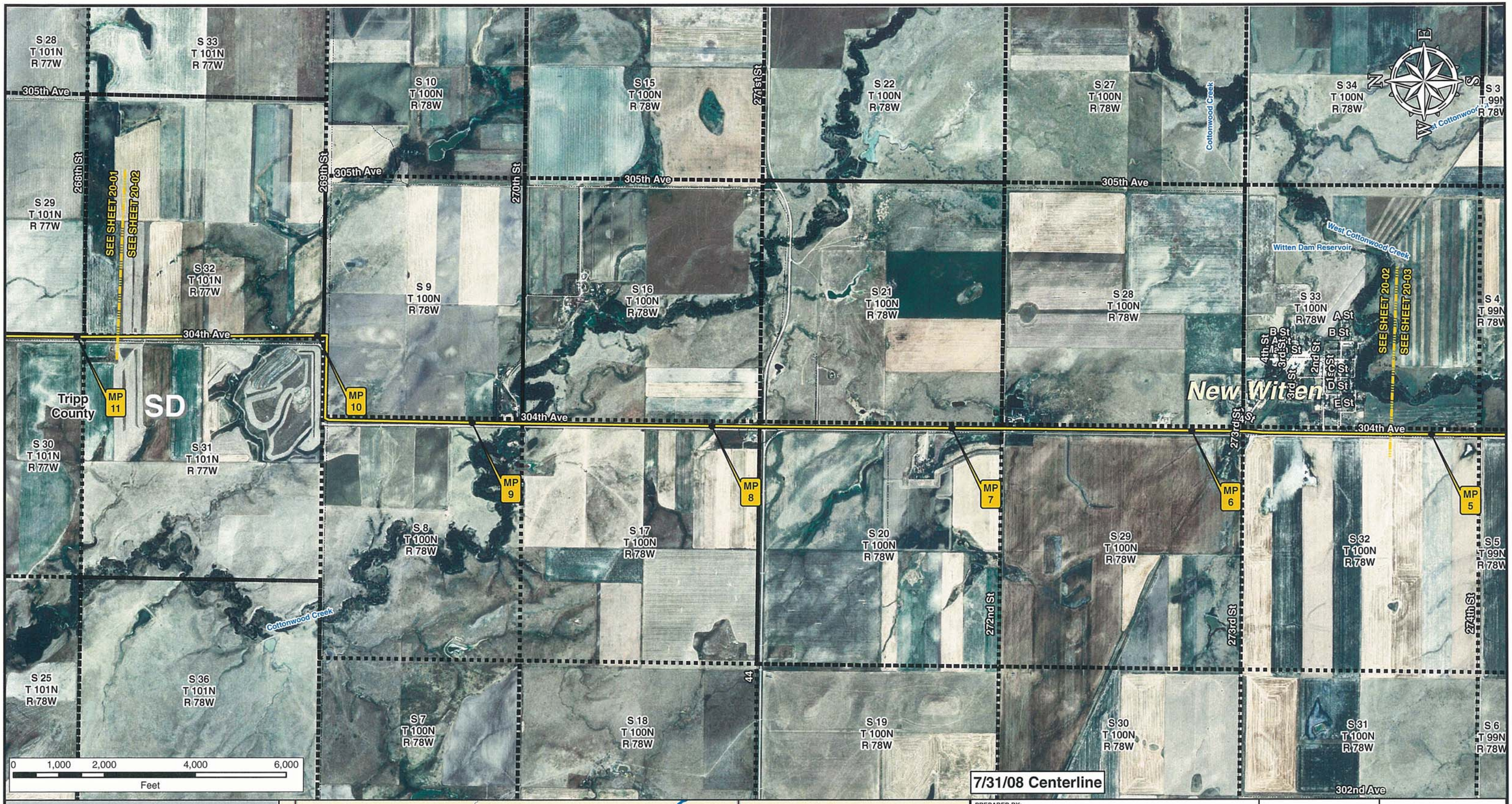
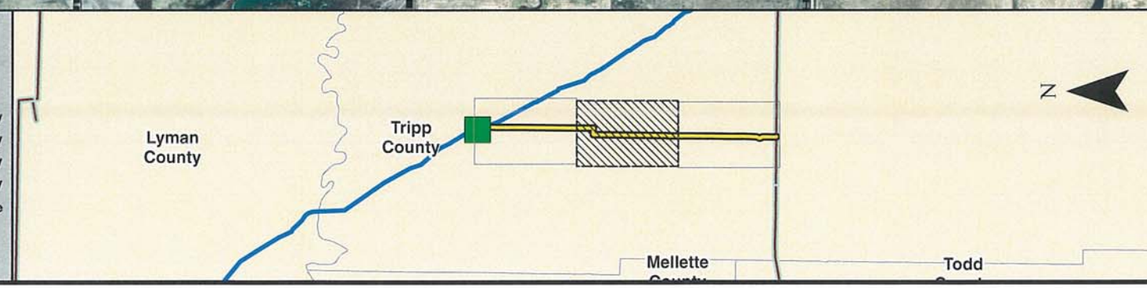
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 20-01 -Q | 01 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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- AC-DC-AC Tie
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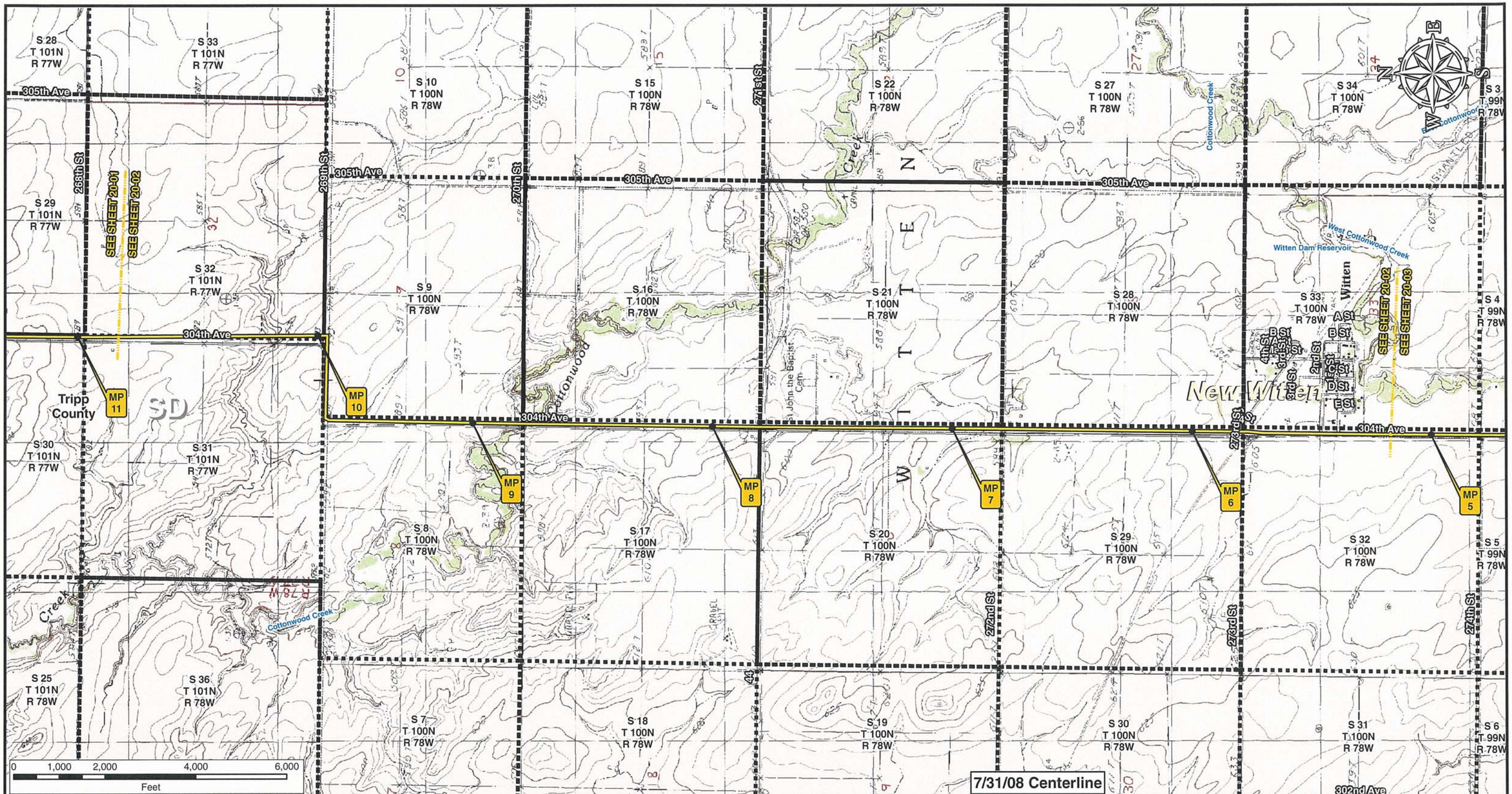
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
**PS-20**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 20-02 -A | 02 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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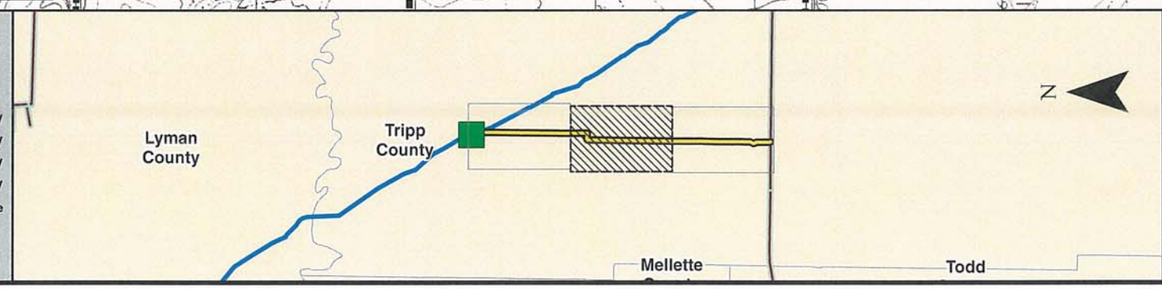
- DC

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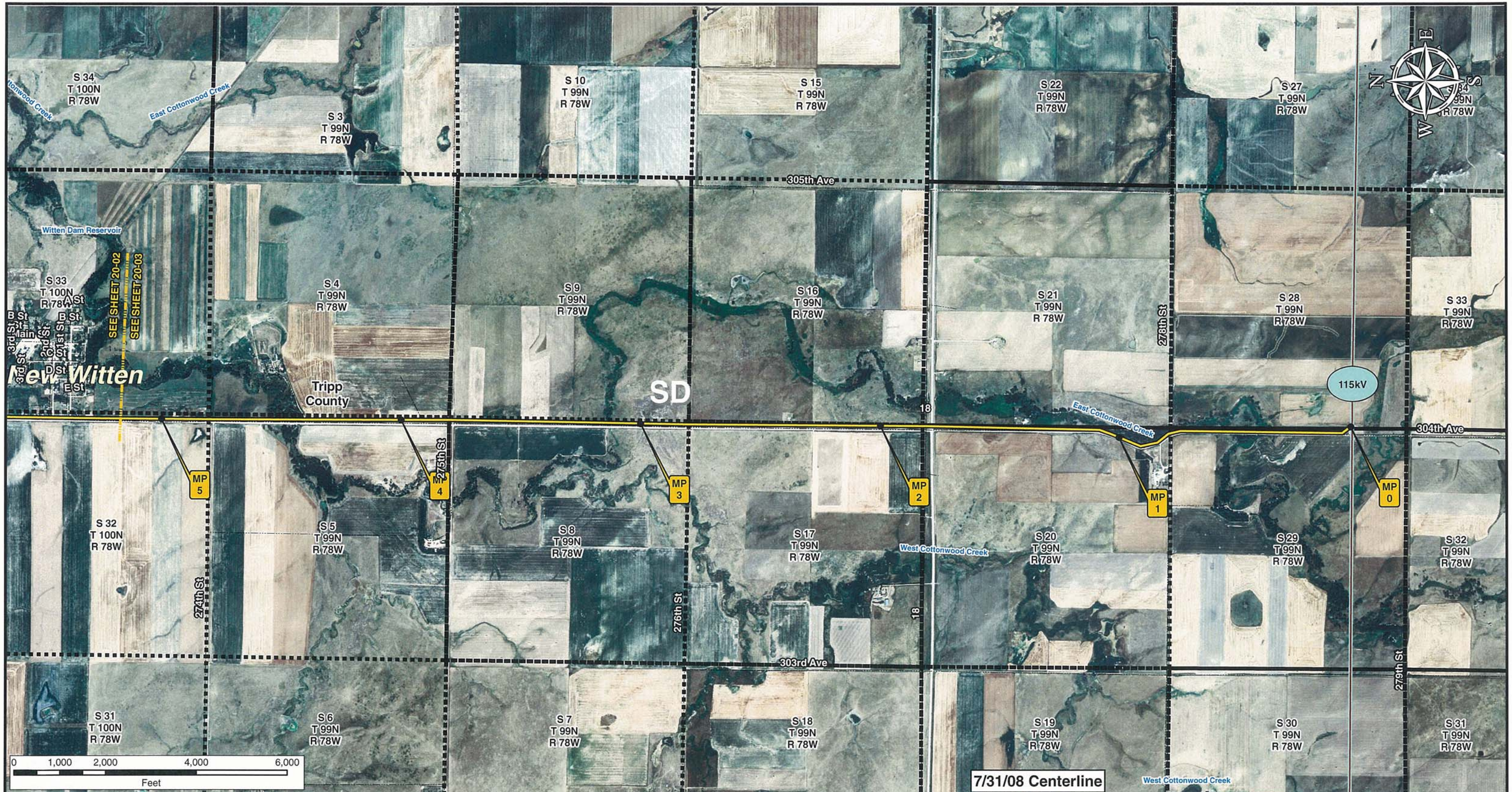
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
**PS-20**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 20-02 -Q | 02 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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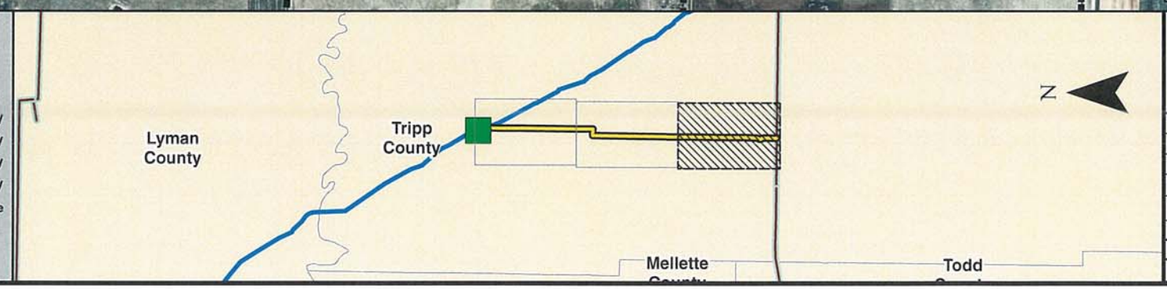
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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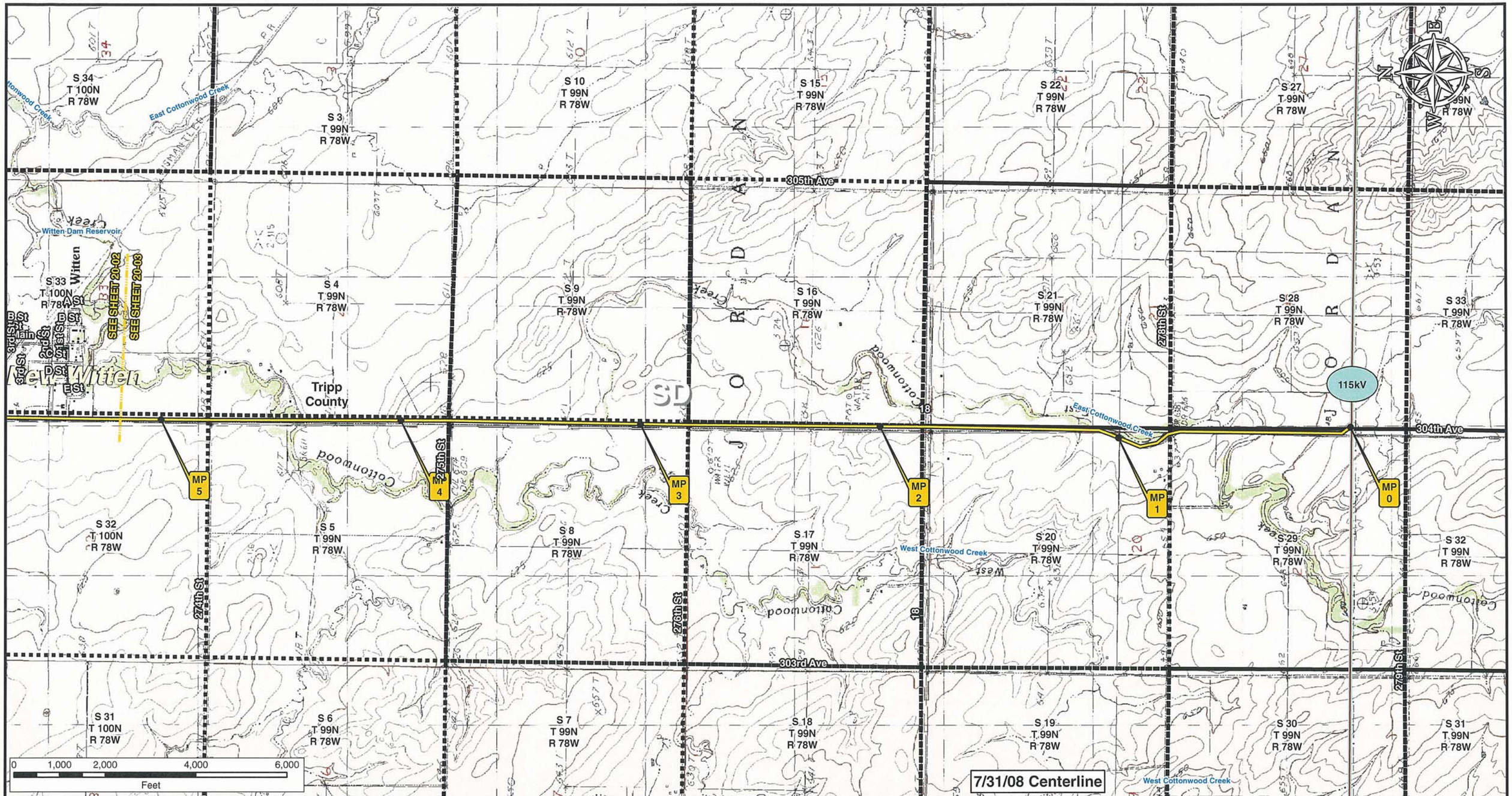
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 20-03 -A | 03 of 03 | 0 |



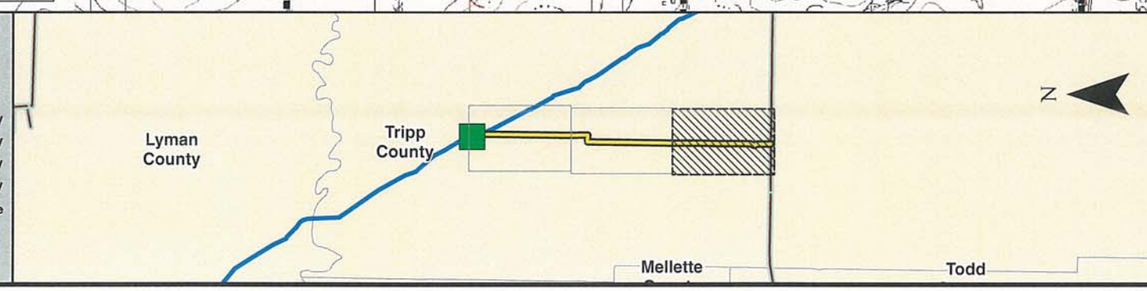

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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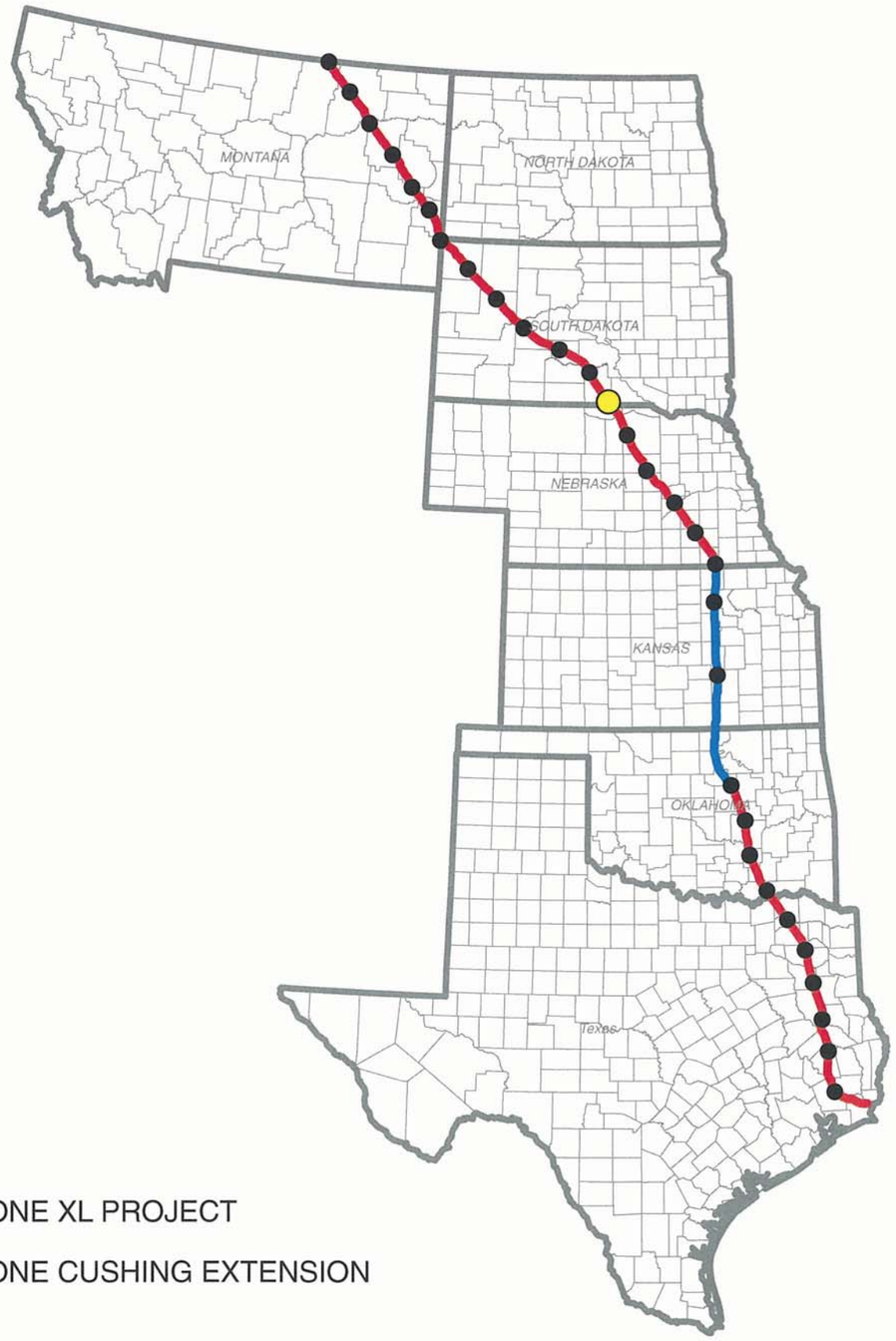
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 20-03 -Q | 03 of 03 | 0 |




# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-21

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

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TROW ENGINEERING CONSULTANTS INC.
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Fax: 1-850-385-5523

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| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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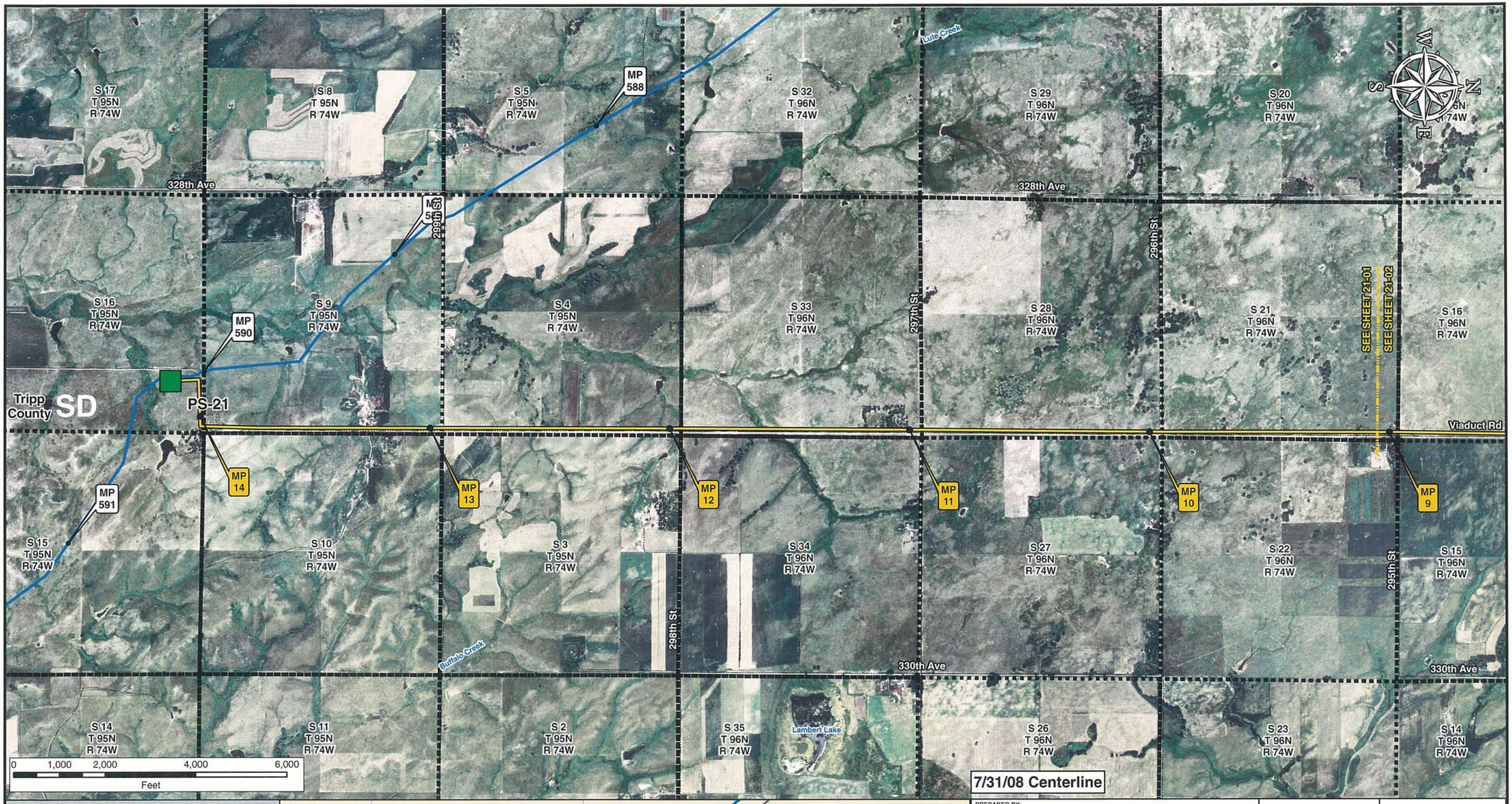
KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET



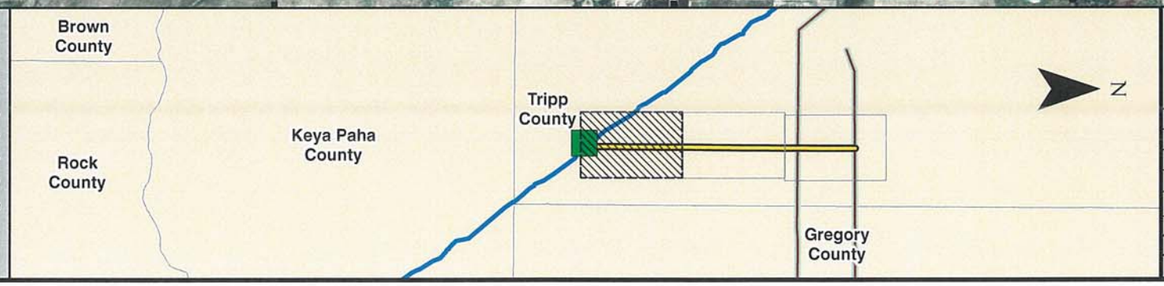

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
TRIPP COUNTY, SOUTH DAKOTA
**PS-21**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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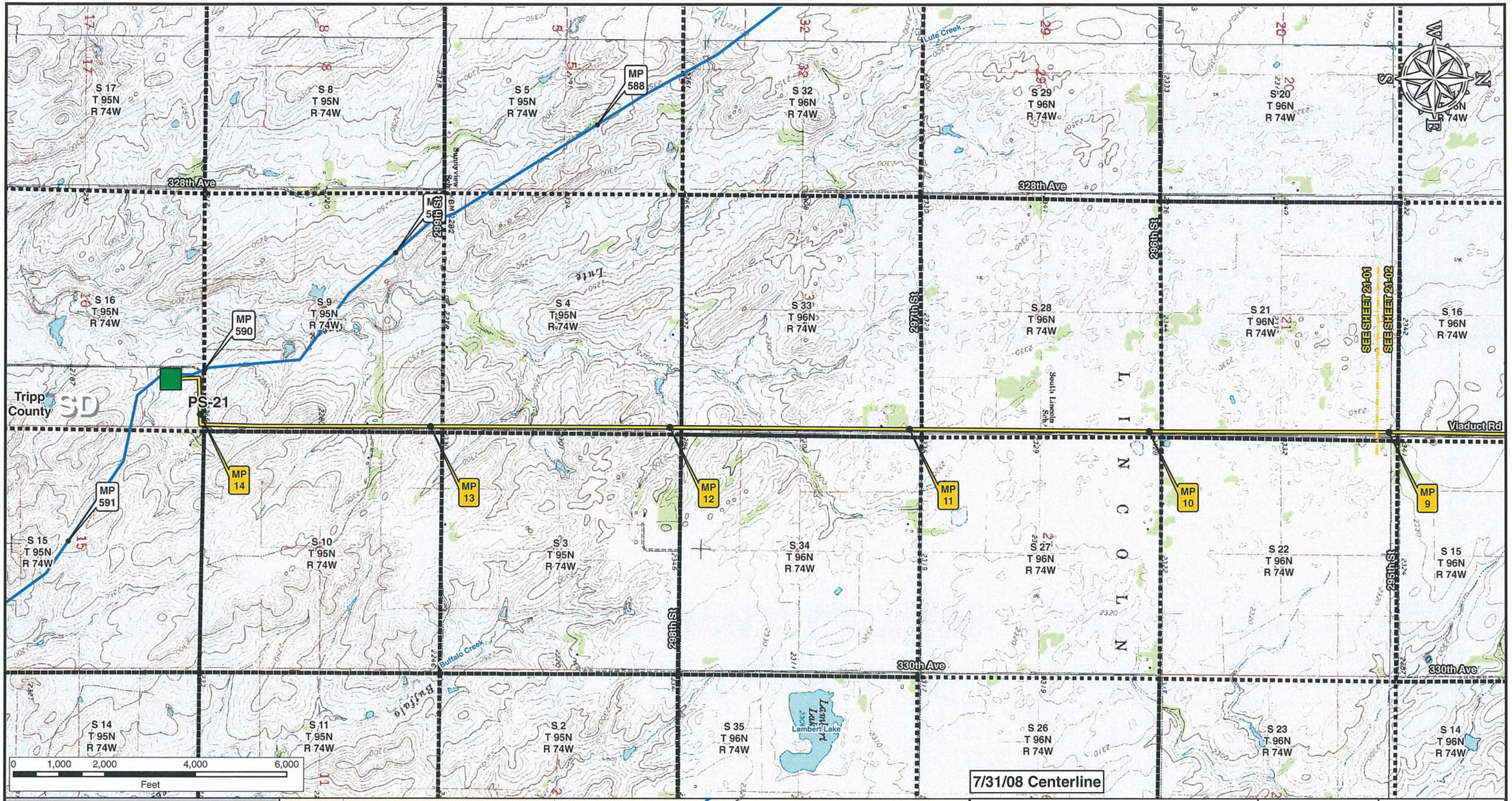
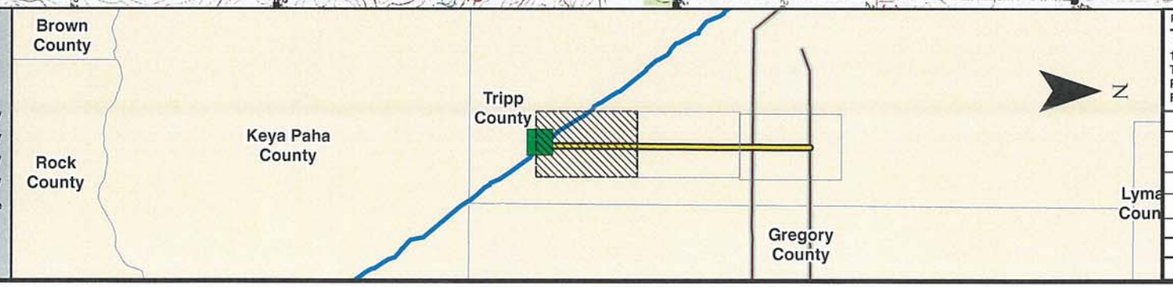



Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
TRIPP COUNTY, SOUTH DAKOTA
**PS-21**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 21-01 -Q | 01 of 03 | 0 |

S 20 T 96N R 74W | S 17 T 96N R 74W | S 8 T 96N R 74W | S 5 T 96N R 74W | S 32 T 97N R 74W | S 29 T 97N R 74W

328th Ave

Roosevelt Lake

S 21 T 96N R 74W | S 16 T 96N R 74W | S 9 T 96N R 74W | S 4 T 96N R 74W | S 33 T 97N R 74W | S 28 T 97N R 74W | S 21 T 97N R 74W

SEE SHEET 21-01

SEE SHEET 21-02

293rd St

Tripp County

SD

Viaduct Rd

SEE SHEET 21-02

SEE SHEET 21-03

MP 9 | MP 8 | MP 7 | MP 6 | MP 5 | MP 4

S 22 T 96N R 74W | S 15 T 96N R 74W | S 10 T 96N R 74W | S 3 T 96N R 74W | S 34 T 97N R 74W | S 27 T 97N R 74W | S 22 T 97N R 74W

295th St

294th St

291st St

290th St

330th Ave

S 23 T 96N R 74W | S 14 T 96N R 74W | S 11 T 96N R 74W | S 2 T 96N R 74W | S 35 T 97N R 74W | S 26 T 97N R 74W | S 23 T 097N R 074W

292nd St

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

Feet

7/31/08 Centerline

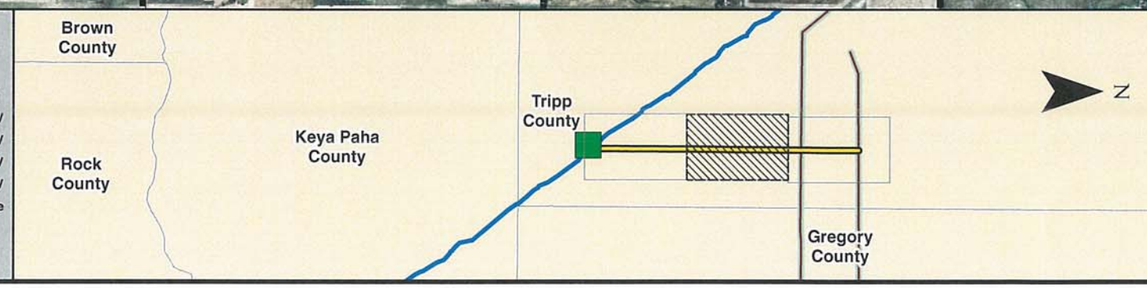
**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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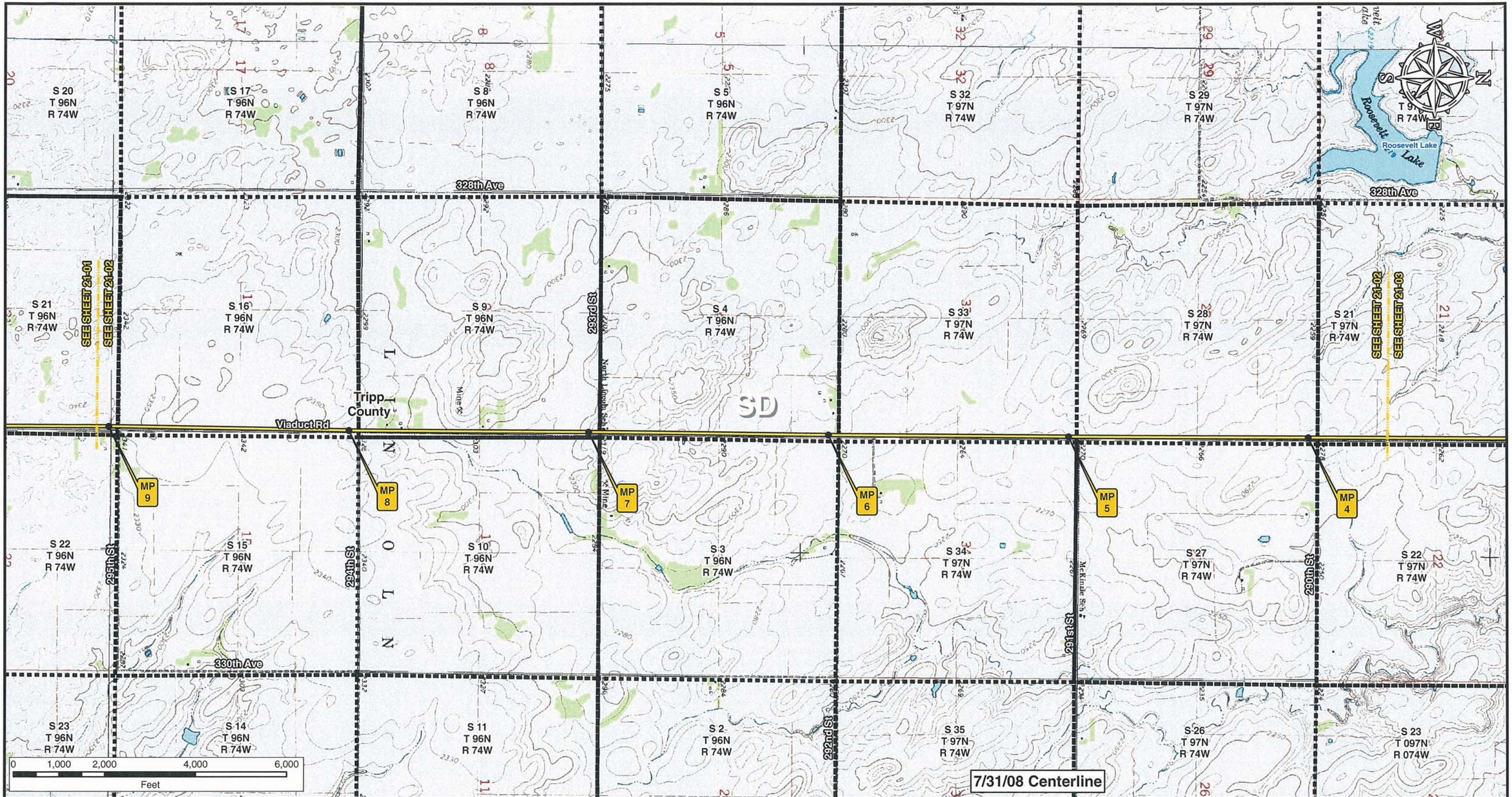
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
**PS-21**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 21-02 -A | 02 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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- 345kV - 499kV
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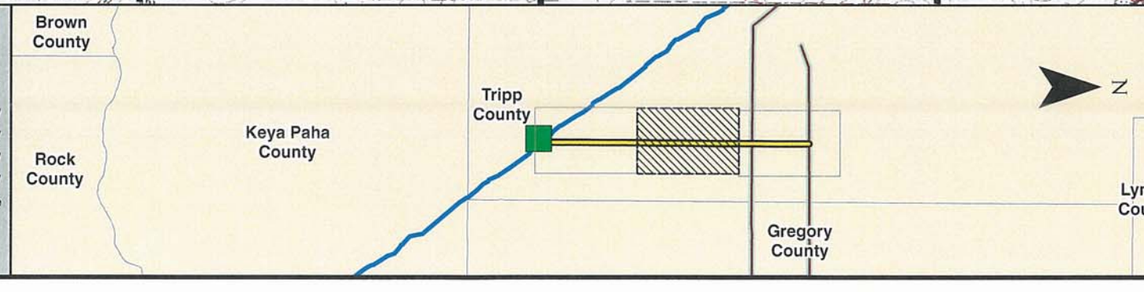
- AC-DC-AC Tie
- DC

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Fax: 1-850-385-5523

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-21

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

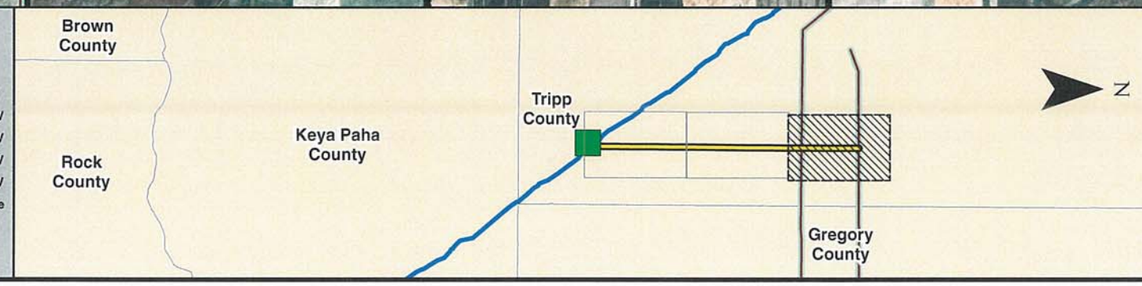
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 46-ML-2003-P- 21-02 -Q | 02 of 03 | 0 |

S 29 T 97N R 74W
S 20 T 97N R 74W
Roosevelt Lake
328th Ave
S 17 T 97N R 74W
288th St
S 8 T 97N R 74W
S 32 T 098N R 074W
S 28 T 97N R 74W
S 21 T 97N R 74W
SEE SHEET 21-02
SEE SHEET 21-03
289th St
S 16 T 97N R 74W
Tripp County
18
S 9 T 097N R 074W
SD
S 4 T 097N R 074W
115kV
286th St
S 33 T 098N R 074W
S 28 T 098N R 074W
Viaduct Rd
Viadock Rd
285th St
284th St
MP 4
MP 3
MP 2
MP 1
MP 0
S 27 T 97N R 74W
S 22 T 97N R 74W
S 15 T 097N R 074W
115kV
290th St
288th St
330th Ave
S 10 T 097N R 074W
287th St
S 3 T 097N R 074W
S 34 T 098N R 074W
S 27 T 098N R 074W
S 22 T 098N R 074W
S 26 T 97N R 74W
S 23 T 097N R 074W
S 14 T 097N R 074W
Ponca Creek
288th St
S 11 T 097N R 074W
18
S 2 T 097N R 074W
S 35 T 098N R 074W
S 26 T 098N R 074W
S 23 T 098N R 074W
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
TRIPP COUNTY, SOUTH DAKOTA
**PS-21**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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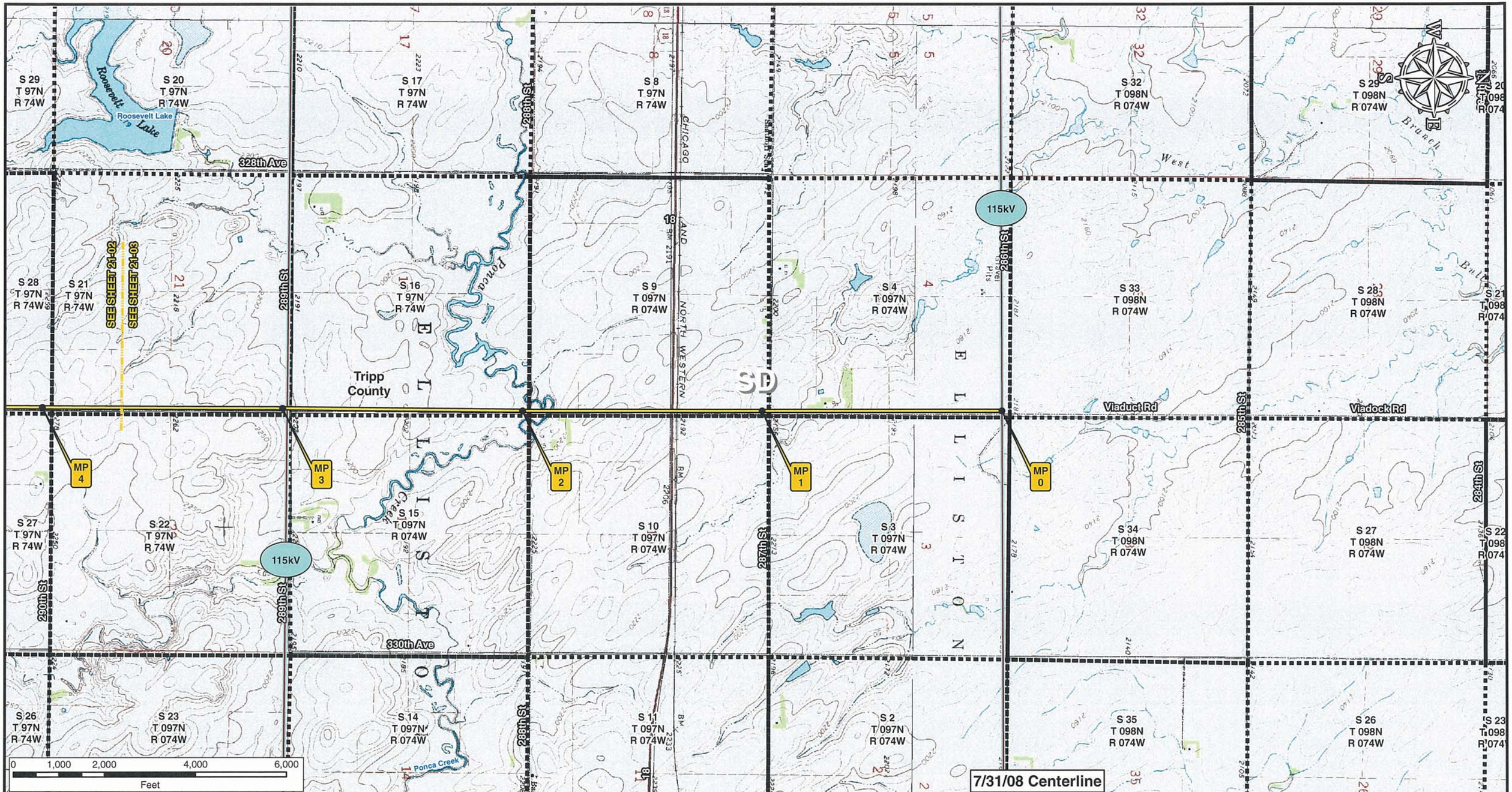


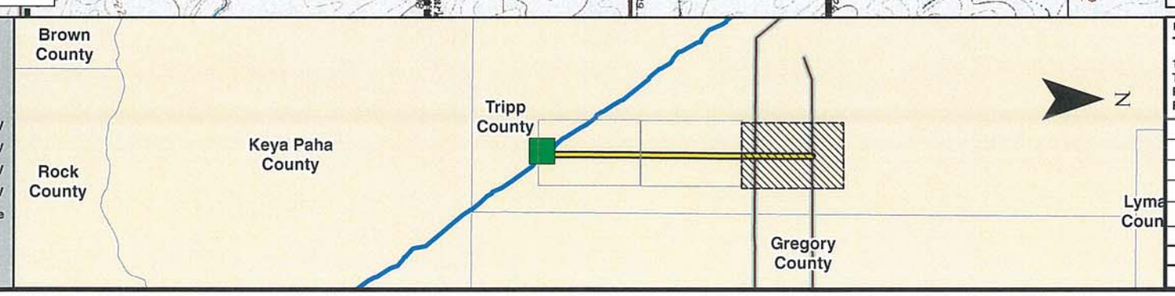

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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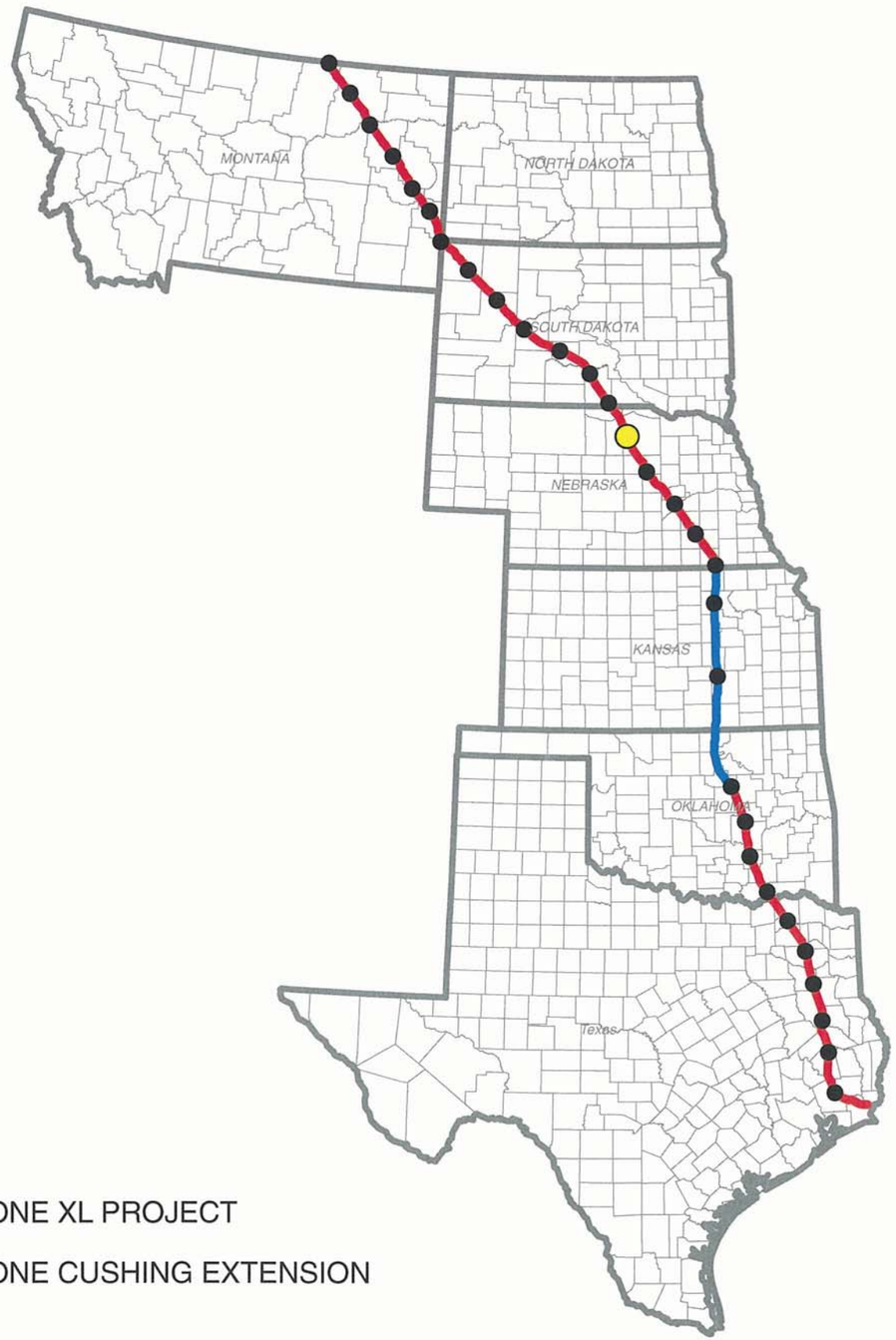
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-21

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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- 21-03 -Q | 03 of 03 | 0 |




# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-22

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

S 10 T 28N R 16W | S 3 T 28N R 16W | S 35 T 29N R 16W | S 26 T 29N R 16W | S 23 T 29N R 16W | S 14 T 29N R 16W

S 11 T 28N R 16W | S 2 T 28N R 16W | S 36 T 29N R 16W | S 25 T 29N R 16W | S 24 T 29N R 16W | S 13 T 29N R 16W | S 12 T 29N R 16W

S 12 T 28N R 16W | Holt County | S 1 T 28N R 16W | S 31 T 29N R 15W | S 30 T 29N R 15W | S 19 T 29N R 15W | S 18 T 29N R 15W | S 7 T 29N R 15W

S 7 T 28N R 15W | S 6 T 28N R 15W | S 32 T 29N R 15W | S 29 T 29N R 15W | S 20 T 29N R 15W | S 17 T 29N R 15W | S 8 T 29N R 15W

S 5 T 28N R 15W

MP 637 | MP 638 | MP 639 | MP 640 | MP 641 | MP 642

PS-22

MP 7 | MP 6 | MP 5 | MP 4

Dry Creek

SEE SHEET 22-01

SEE SHEET 22-02

W S E N

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

Feet

7/31/08 Centerline

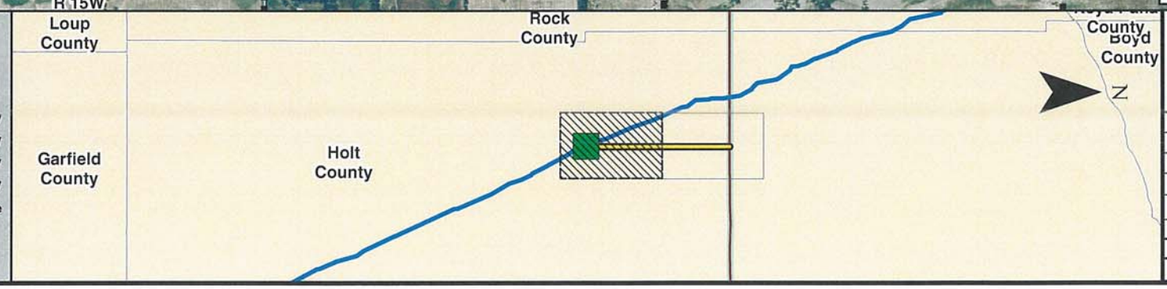
**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
HOLT COUNTY, NEBRASKA
PS-22

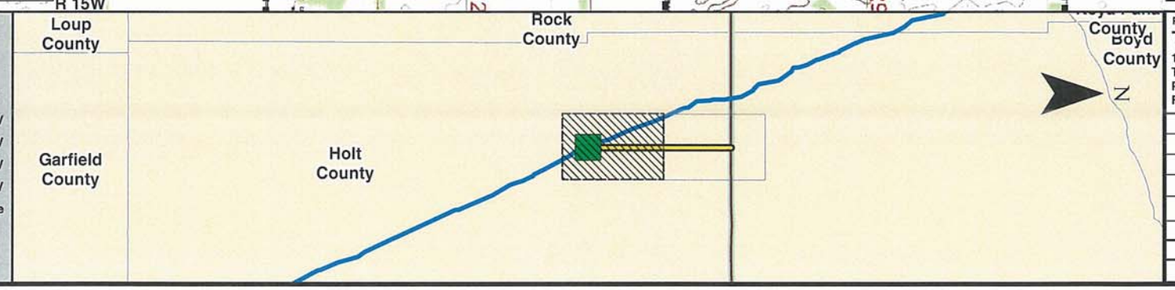
MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-22-01-A | 01 of 02 | 0 |

MP 637
MP 638
MP 639
MP 640
MP 641
MP 642
PS-22
MP 7
MP 6
MP 5
MP 4
S 10 T 28N R 16W
S 3 T 28N R 16W
S 35 T 29N R 16W
S 26 T 29N R 16W
S 23 T 29N R 16W
S 14 T 29N R 16W
S 11 T 28N R 16W
S 2 T 28N R 16W
S 36 T 29N R 16W
S 25 T 29N R 16W
S 24 T 29N R 16W
S 13 T 29N R 16W
S 12 T 28N R 16W
Holt County
S 1 T 28N R 16W
S 12 T 29N R 16W
S 31 T 29N R 15W
S 30 T 29N R 15W
S 19 T 29N R 15W
S 18 T 29N R 15W
S 7 T 29N R 15W
S 7 T 28N R 15W
S 6 T 28N R 15W
S 32 T 29N R 15W
S 29 T 29N R 15W
S 20 T 29N R 15W
S 17 T 29N R 15W
S 8 T 29N R 15W
S 5 T 28N R 15W
SEE SHEET 22-01
SEE SHEET 22-02
Flowing Well
Well
Dry Creek
School No. 169
R 16 W
R 15 W
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

Legend
- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
HOLT COUNTY, NEBRASKA
PS-22

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 22-01 -Q | 01 of 02 | 0 |

S 14 T 29N R 16W | S 11 T 29N R 16W | S 2 T 29N R 16W | S 35 T 30N R 16W | S 26 T 30N R 16W | S 23 T 30N R 16W

Keegan Creek

S 13 T 29N R 16W | S 12 T 29N R 16W | S 1 T 29N R 16W | S 36 T 30N R 16W | S 25 T 30N R 16W | S 24 T 30N R 16W | S 13 T 30N R 16W

SEE SHEET 22-01

SEE SHEET 22-02

115kV

Holt County

NE

MP 4 | MP 3 | MP 2 | MP 1 | MP 0

S 18 T 29N R 15W | S 7 T 29N R 15W | S 6 T 29N R 15W | S 31 T 30N R 15W | S 30 T 30N R 15W | S 19 T 30N R 15W | S 18 T 30N R 15W

S 17 T 29N R 15W | S 8 T 29N R 15W | S 5 T 29N R 15W | S 32 T 30N R 15W | S 29 T 30N R 15W | S 20 T 30N R 15W | S 17 T 30N R 15W

Elkhorn River

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

Feet

**7/31/08 Centerline**

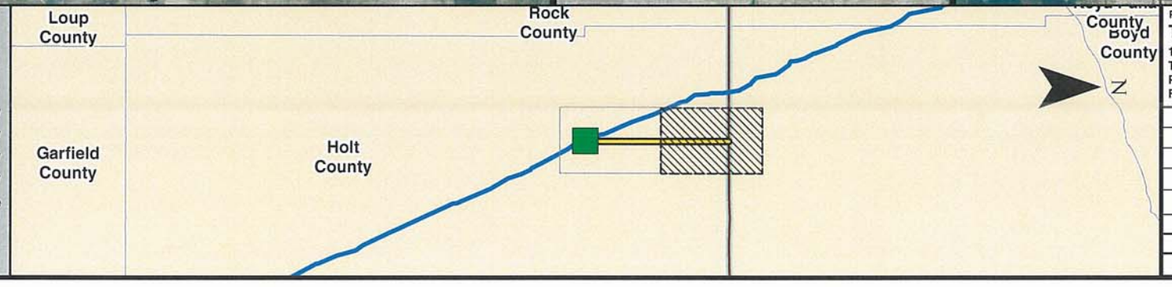
## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
HOLT COUNTY, NEBRASKA
**PS-22**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| NO. | REVISION | DATE |
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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-22-02-A | 02 of 02 | 0 |

S 14 T 29N R 16W
S 11 T 29N R 16W
S 2 T 29N R 16W
S 35 T 30N R 16W
S 26 T 30N R 16W
S 23 T 30N R 16W
S 13 T 29N R 16W
S 12 T 29N R 16W
S 1 T 29N R 16W
S 36 T 30N R 16W
S 25 T 30N R 16W
S 24 T 30N R 16W
S 13 T 30N R 16W
S 18 T 29N R 15W
S 7 T 29N R 15W
S 6 T 29N R 15W
S 31 T 30N R 15W
S 30 T 30N R 15W
S 19 T 30N R 15W
S 18 T 30N R 15W
S 17 T 29N R 15W
S 8 T 29N R 15W
S 5 T 29N R 15W
S 32 T 30N R 15W
S 29 T 30N R 15W
S 20 T 30N R 15W
S 17 T 30N R 15W

SEE SHEET 22-01
SEE SHEET 22-02

Holt County

115kV

MP 4
MP 3
MP 2
MP 1
MP 0

Creek
Keegan Creek
Windmill
Well
School No 169
School No 168
Keegan
Elkhorn River

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

7/31/08 Centerline

Legend
- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County Line
- Section Line

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

Loup County
Rock County
Boyd County
Garfield County
Holt County

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
HOLT COUNTY, NEBRASKA
PS-22

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| NO. | REVISION | DATE |
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| 0 | ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL) | 11.19.08 |

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|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 22-02 -Q | 02 of 02 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-23

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0


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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

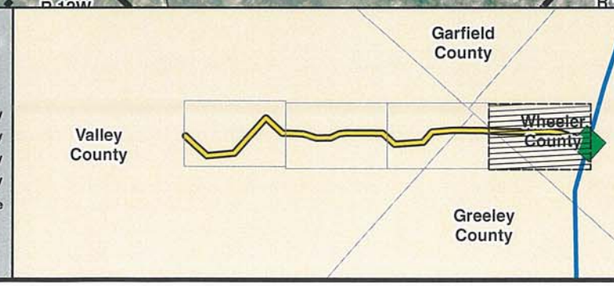
| DRAWING NUMBER | DRAWN BY | CHECKED BY | APPROVED BY |
|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

T 21N R 12W
S 31 T 21N R 12W
S 29 T 21N R 12W
S 21 T 21N R 12W
S 15 T 21N R 12W
S 11 T 21N R 12W
S 12 T 21N R 12W
S 14 T 21N R 12W
S 22 T 21N R 12W
S 28 T 21N R 12W
S 32 T 21N R 12W
SEE SHEET 23-02
SEE SHEET 23-01
Michigan Ave
Huron Lake
Cheseal Ave
Nantucket St
Nanticoke St
Sterling Ave
Stillwater St
Stevens St
Stratton St
Arlington St
Cranford Ave
Cranford Ave
Erickson
Cedar River
MP 692
70
S 6 T 20N R 12W
S 23 T 21N R 12W
S 13 T 21N R 12W
S 33 T 21N R 12W
Wheeler County
S 27 T 21N R 12W
MP 18
MP 19
MP 20
MP 21
MP 22
MP 693
NE
S 5 T 20N R 12W
S 24 T 21N R 12W
S 18 T 21N R 11W
S 26 T 21N R 12W
The Blvd
Francke Ave
Rittman Westfield Rd
Forest Ridge Blvd
The Blvd
Bittersweet Hill Trl
Bittersweet Hill Trl
The Blvd
Woodside Ln
PS-23
MP 23
70
S 4 T 20N R 12W
Greeley County
S 34 T 21N R 12W
S 8 T 20N R 12W
S 19 T 21N R 11W
MP 694
S 25 T 21N R 12W
S 35 T 21N R 12W
S 3 T 20N R 12W
S 9 T 20N R 12W
S 36 T 21N R 12W
S 30 T 21N R 11W
S 20 T 21N R 11W
S 10 T 20N R 12W
S 2 T 20N R 12W
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
WHEELER COUNTY, NEBRASKA
PS-23

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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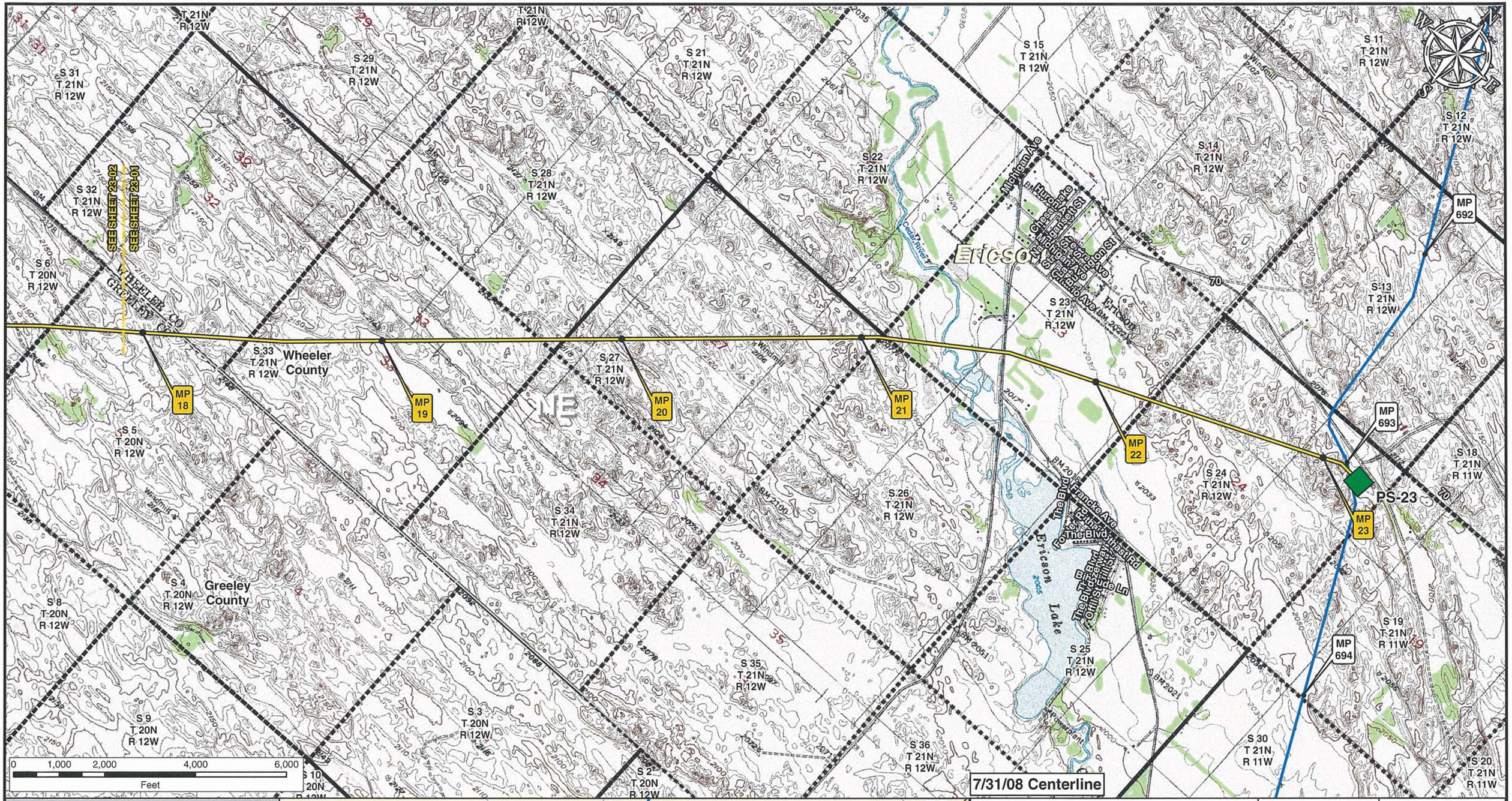
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 23-01 -A | 01 of 04 | 0 |



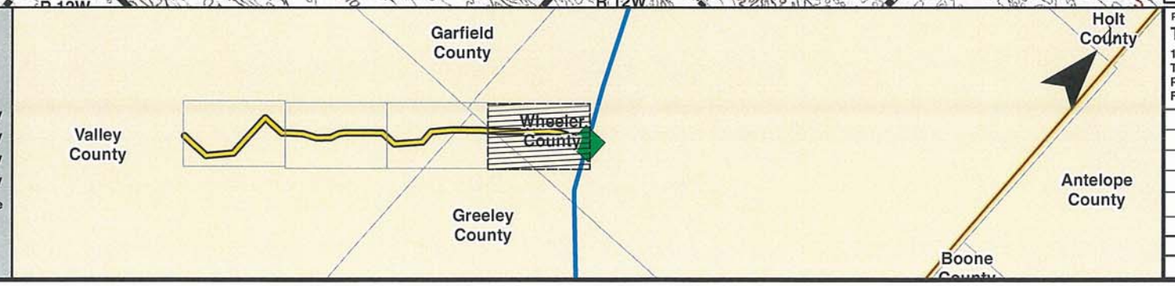

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
WHEELER COUNTY, NEBRASKA
**PS-23**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

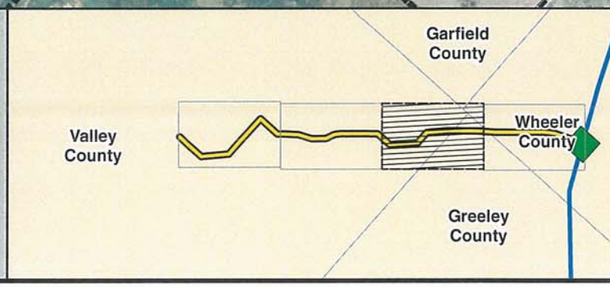
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 23-01 -Q | 01 of 04 | 0 |

S 16 T 20N R 13W
S 10 T 20N R 13W
S 2 T 20N R 13W
S 36 T 21N R 13W
S 31 T 21N R 12W
S 21 T 20N R 13W
S 15 T 20N R 13W
S 11 T 20N R 13W
S 1 T 20N R 13W
Wheeler County
S 32 T 21N R 12W
SEE SHEET 23-02
SEE SHEET 23-01
S 22 T 20N R 13W
S 14 T 20N R 13W
S 12 T 20N R 13W
S 6 T 20N R 12W
SEE SHEET 23-03
SEE SHEET 23-02
Valley County
NE
MP 12
MP 15
MP 16
MP 17
MP 18
S 5 T 20N R 12W
S 23 T 20N R 13W
S 7 T 20N R 12W
S 13 T 20N R 13W
S 27 T 20N R 13W
MP 13
MP 14
Greeley County
S 4 T 20N R 12W
S 8 T 20N R 12W
S 18 T 20N R 12W
S 26 T 20N R 13W
S 24 T 20N R 13W
S 34 T 20N R 13W
S 25 T 20N R 13W
S 19 T 20N R 12W
S 17 T 20N R 12W
S 9 T 20N R 12W
S 35
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
GREELEY COUNTY, NEBRASKA
**PS-23**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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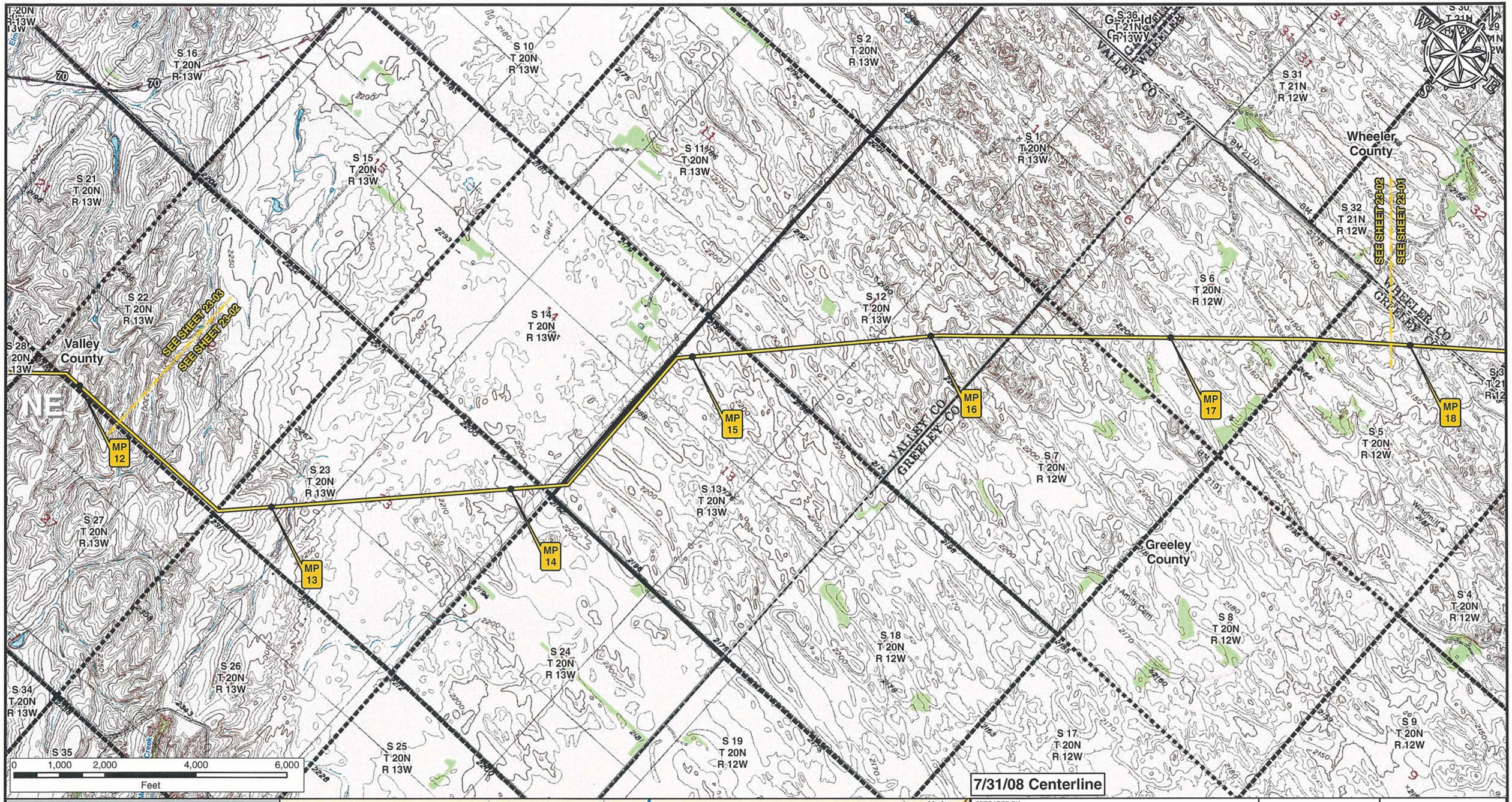
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 23-02 -A | 02 of 04 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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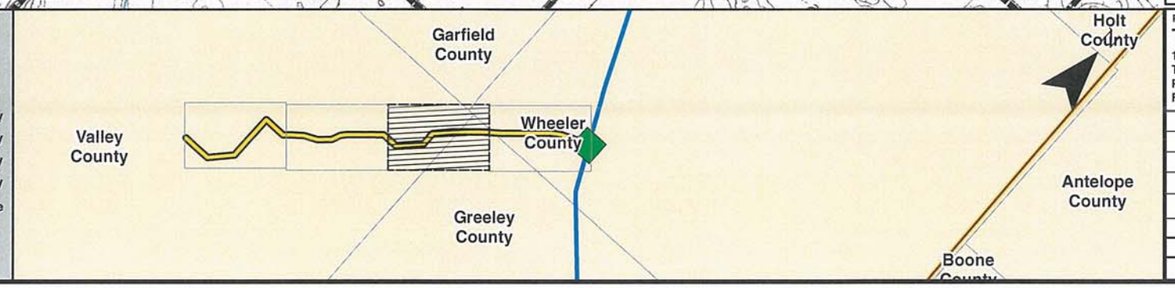


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
GREELEY COUNTY, NEBRASKA
**PS-23**

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

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| AH | SS | RG | 50388X | XL-31-ML-2003-P-23-02-Q | 02 of 04 | 0 |

S 35 T 20N R 14W
S 25 T 20N R 14W
T 20N R 13W
T 20N R 13W
S 36 T 20N R 14W
S 30 T 20N R 13W
S 20 T 20N R 13W
Elm Cr
70
S 2 T 19N R 14W
S 21 T 20N R 13W
S 15 T 20N R 13W
S 29 T 20N R 13W
S 31 T 20N R 13W
SEE SHEET 23-04
SEE SHEET 23-03
S 1 T 19N R 14W
S 11 T 019N R 014W
70
S 28 T 20N R 13W
S 22 T 20N R 13W
SEE SHEET 23-03
SEE SHEET 23-02
Valley County
NE
S 32 T 20N R 13W
S 6 T 19N R 13W
S 12 T 19N R 14W
MP 7
MP 8
MP 9
MP 10
MP 11
MP 12
Oak Canyon Rd
S 27 T 20N R 13W
S 33 T 20N R 13W
S 5 T 19N R 13W
S 7 T 19N R 13W
S 13 T 019N R 014W
S 34 T 20N R 13W
S 26 T 20N R 13W
S 4 T 19N R 13W
S 8 T 19N R 13W
S 18 T 19N R 13W
S 3
S 35 T 20N R 13W
Messenger Creek
S 9 T 19N R 13W
S 17 T 19N R 13W
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

- Milepost
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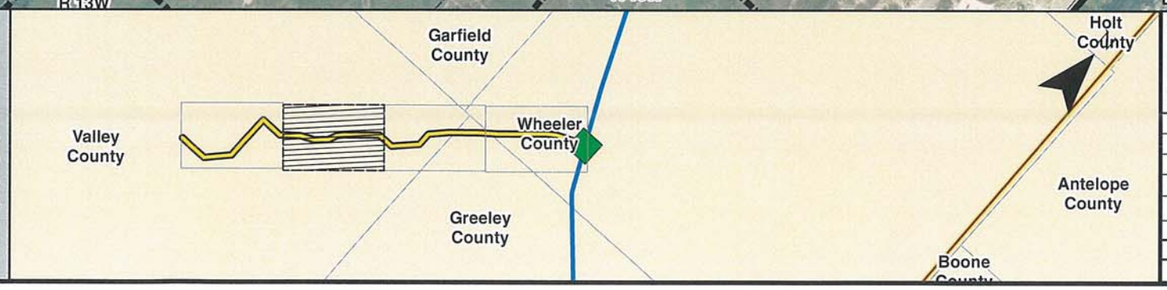


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, NEBRASKA
**PS-23**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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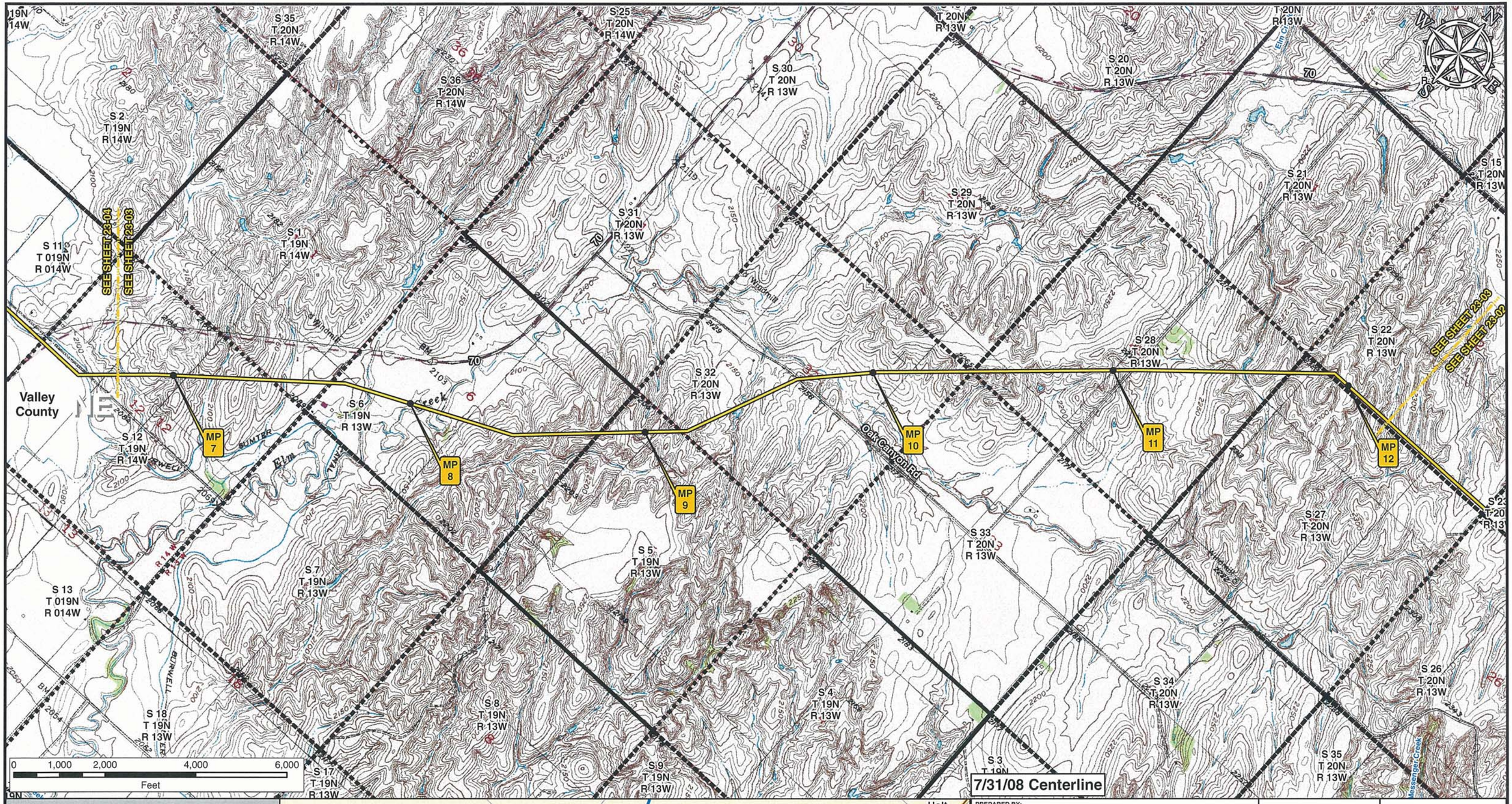


**Legend**

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- Keystone XL Project
- Transmission Supply Line Route
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, NEBRASKA
**PS-23**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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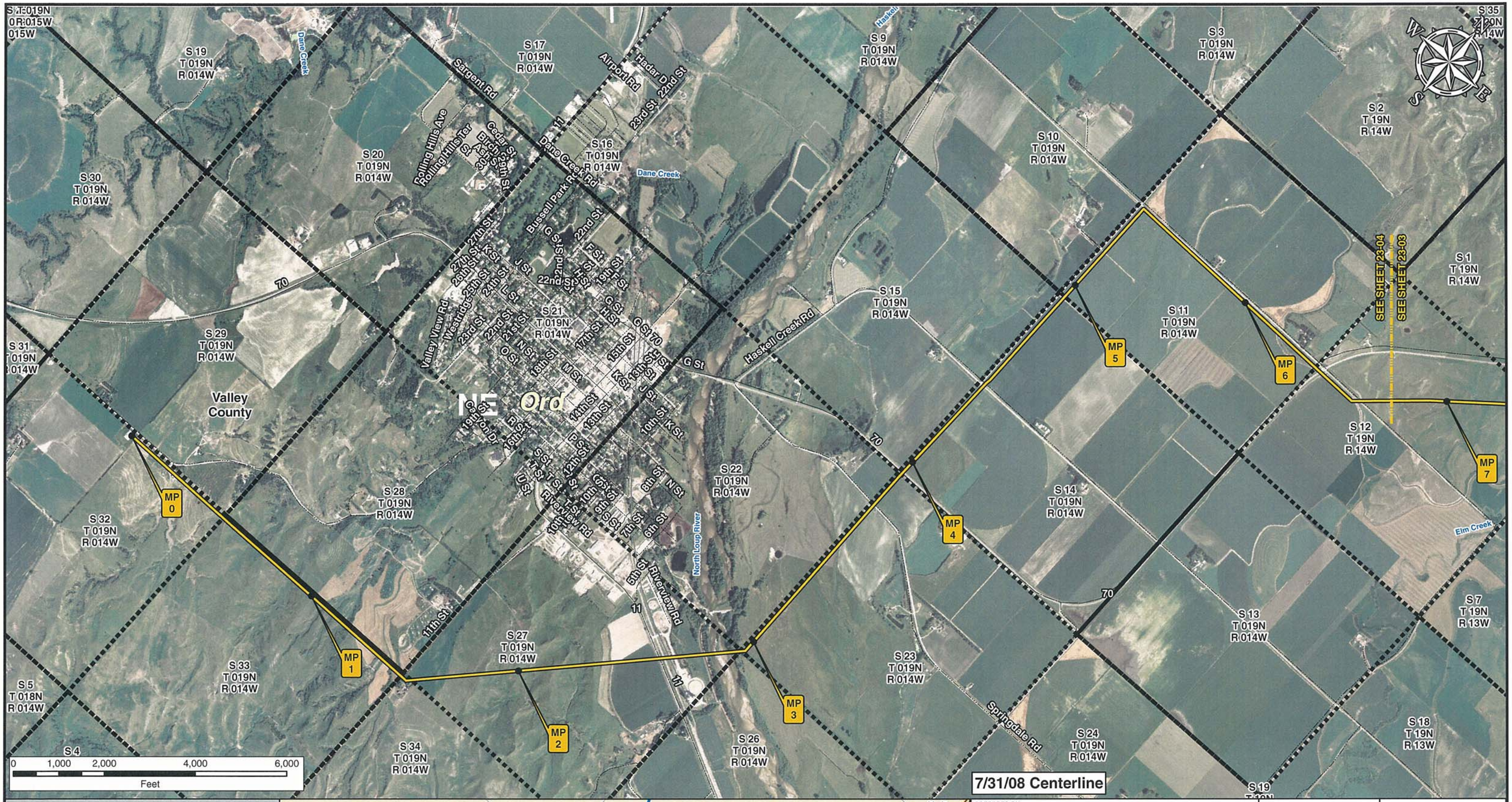


**Legend**

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, NEBRASKA
**PS-23**

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

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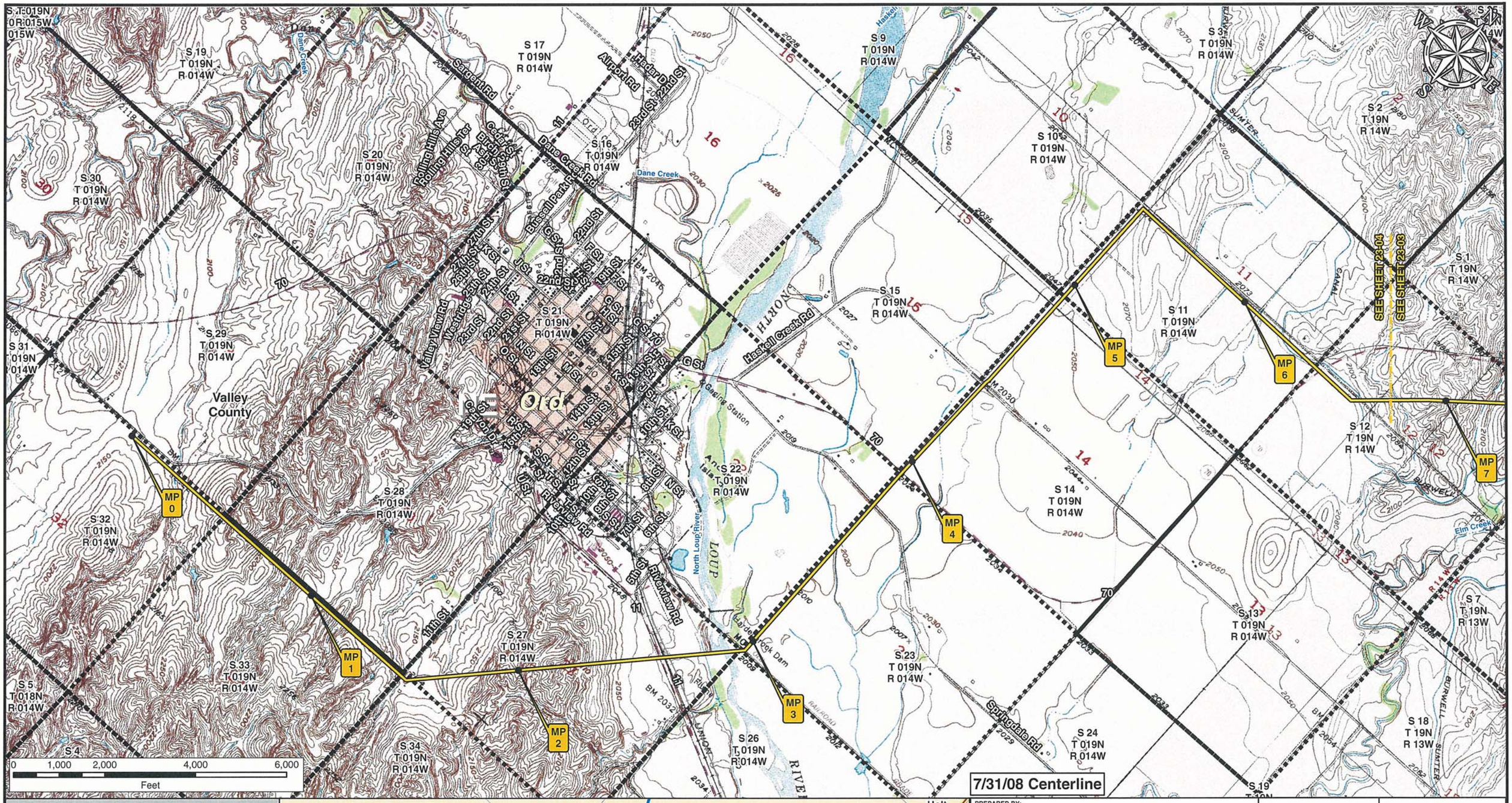


**Legend**

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
VALLEY COUNTY, NEBRASKA
PS-23

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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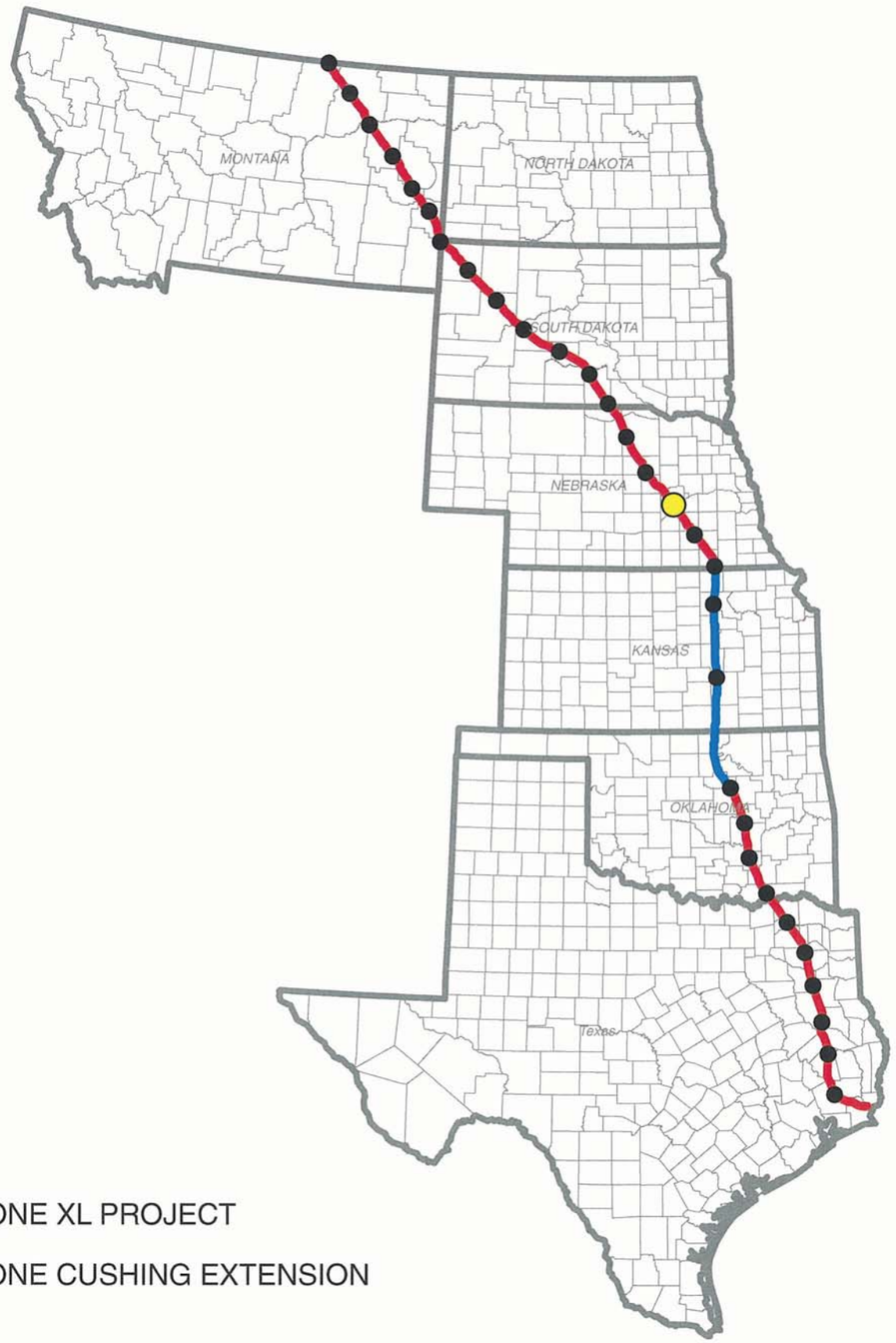
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 23-04-Q | 04 of 04 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-24




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
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S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**


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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

MP 752
MP 751
MP 750
MP 749
MP 748
MP 10
MP 9
MP 8
MP 7
MP 6
PS-24
S 6 T 14N R 5W
S 7 T 14N R 5W
S 18 T 14N R 5W
S 19 T 14N R 5W
S 30 T 14N R 5W
S 31 T 14N R 5W
S 6 T 13N R 5W
S 1 T 14N R 6W
S 12 T 14N R 6W
S 13 T 14N R 6W
S 24 T 14N R 6W
S 25 T 14N R 6W
S 36 T 14N R 6W
S 1 T 13N R 6W
S 2 T 14N R 6W
S 11 T 14N R 6W
S 14 T 14N R 6W
S 23 T 14N R 6W
S 26 T 14N R 6W
S 35 T 14N R 6W
S 2 T 13N R 6W
S 3 T 14N R 6W
S 10 T 14N R 6W
S 15 T 14N R 6W
S 22 T 14N R 6W
S 27 T 14N R 6W
S 34 T 14N R 6W
S 3 T 13N R 6W
Merrick County
NE
Silver Creek
Warm Slough
18th Rd
19th Rd
17th Rd
8th St
10th St
T Rd
R Rd
Q Rd
P Rd
92
30
14
SEE SHEET 24-01
SEE SHEET 24-02
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
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- Roads
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- Section Line

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Voltage

- Below 230kV
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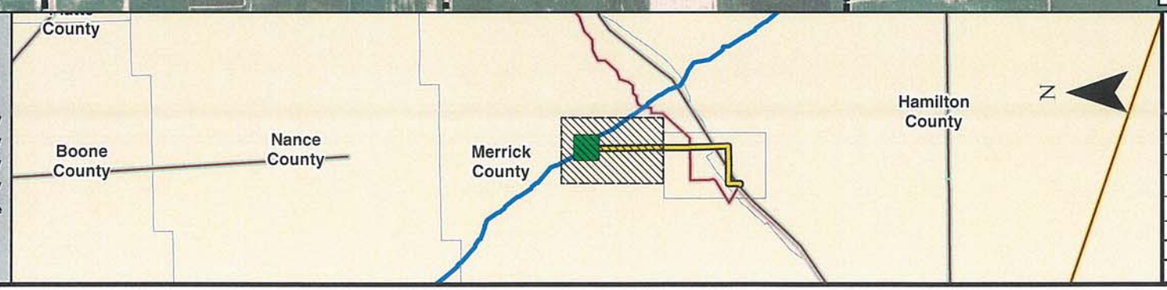


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MERRICK COUNTY, NEBRASKA
**PS-24**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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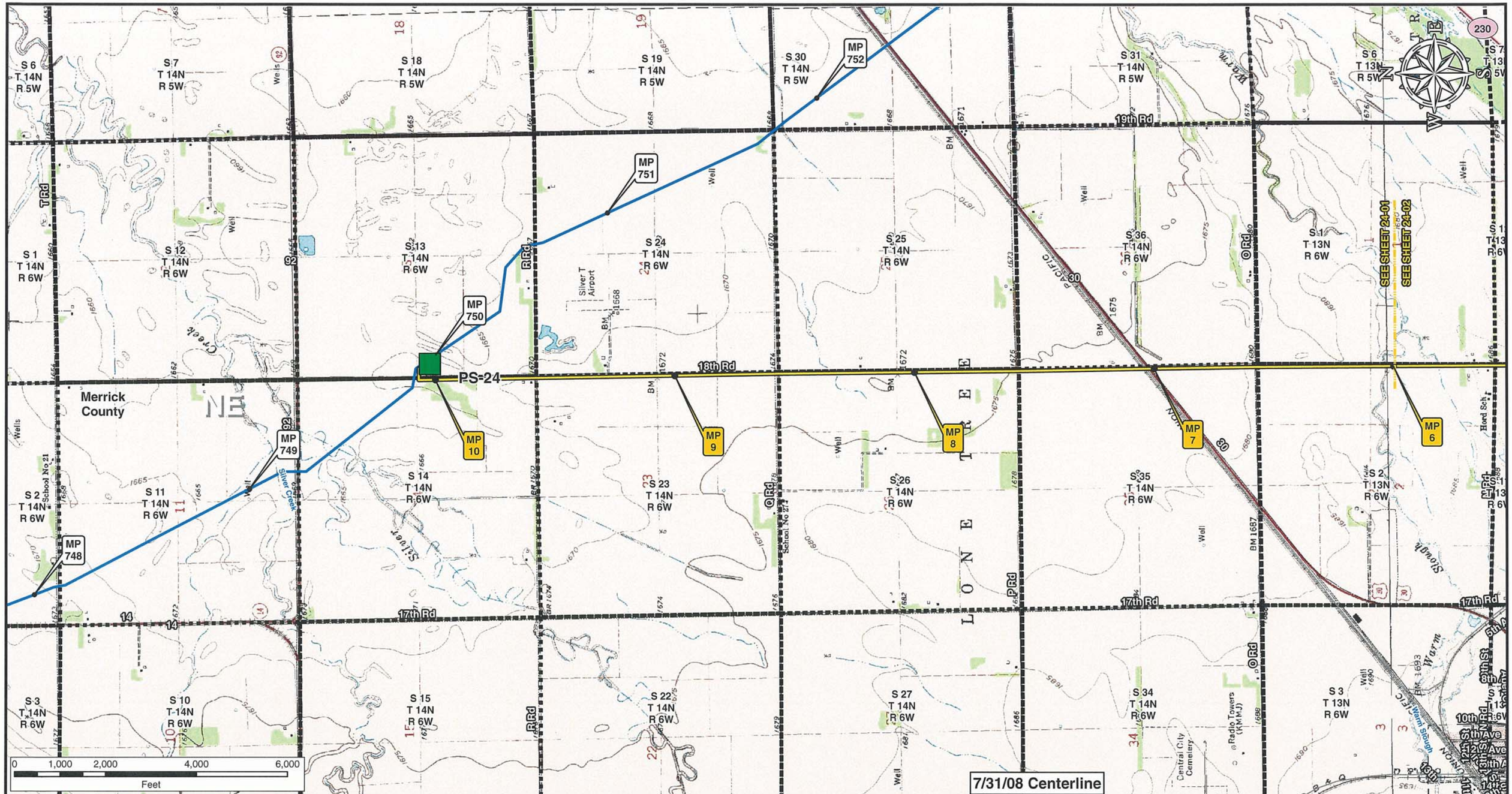


**Legend**

- Milepost
- Keystone XL Project
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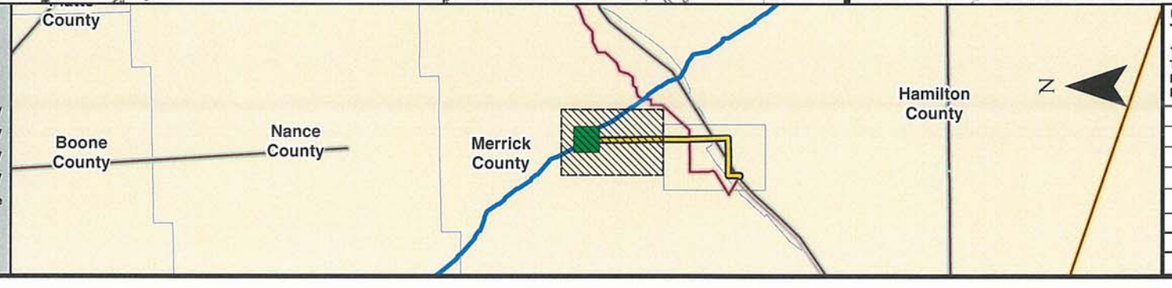


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MERRICK COUNTY, NEBRASKA
PS-24

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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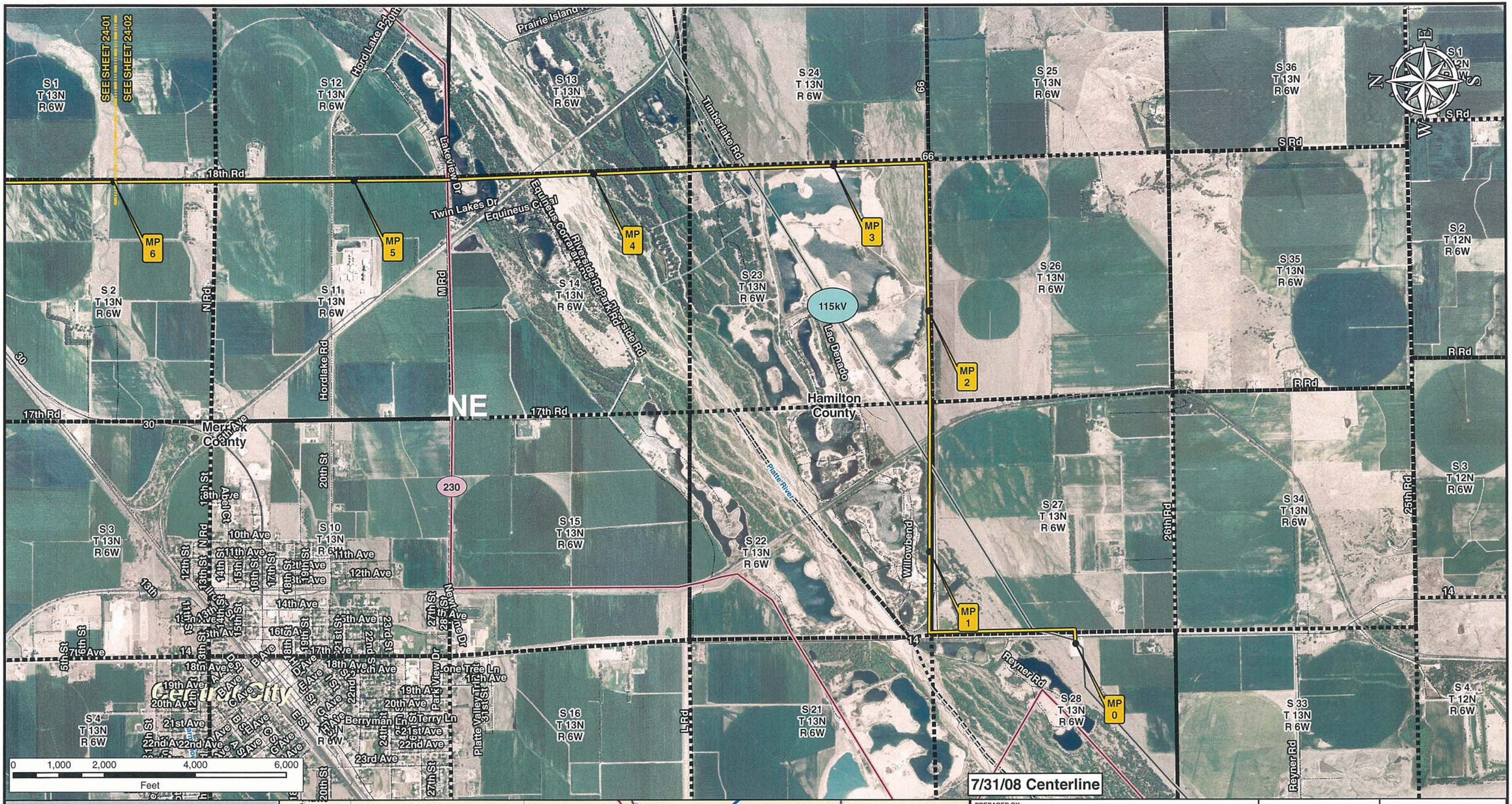


**Legend**

- Milepost
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- Transmission Supply Line Route
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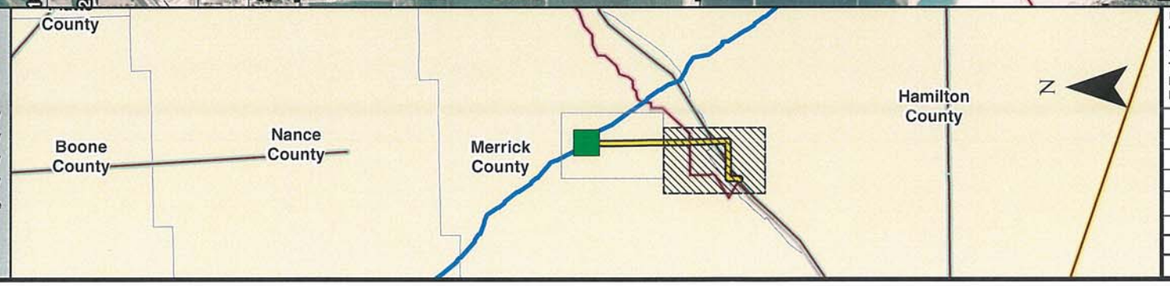


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MERRICK COUNTY, NEBRASKA
**PS-24**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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| AH | SS | RG | 50388X | XL-31-ML-2003-P-24-02-A | 02 of 02 | 0 |

SEE SHEET 24-01

SEE SHEET 24-02

MP 6

MP 5

MP 4

MP 3

MP 2

MP 1

MP 0

115kV

7/31/08 Centerline

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

Feet

## Legend

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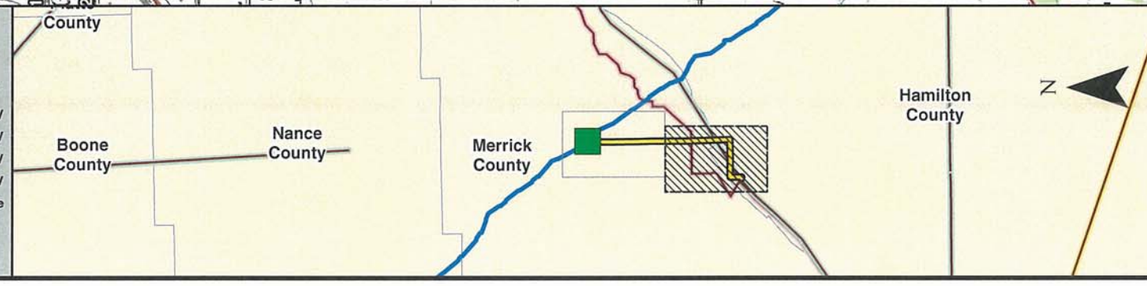
- AC-DC-AC Tie
- DC





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


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
MERRICK COUNTY, NEBRASKA
**PS-24**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| NO. | REVISION | DATE |
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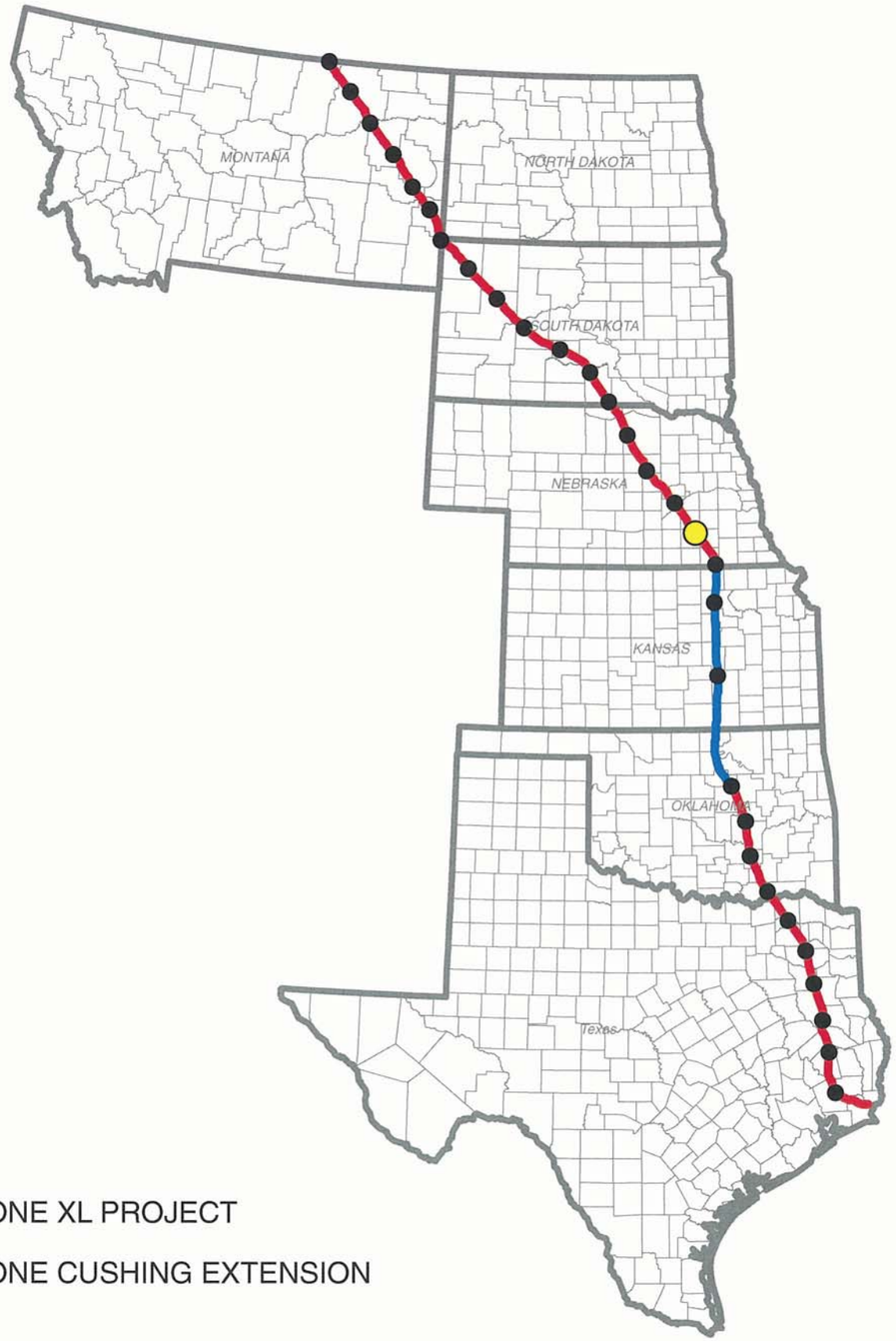
| AH | SS | RG | 50388X | XL-31-ML-2003-P-24-02-Q | 02 of 02 | 0 |




# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-25

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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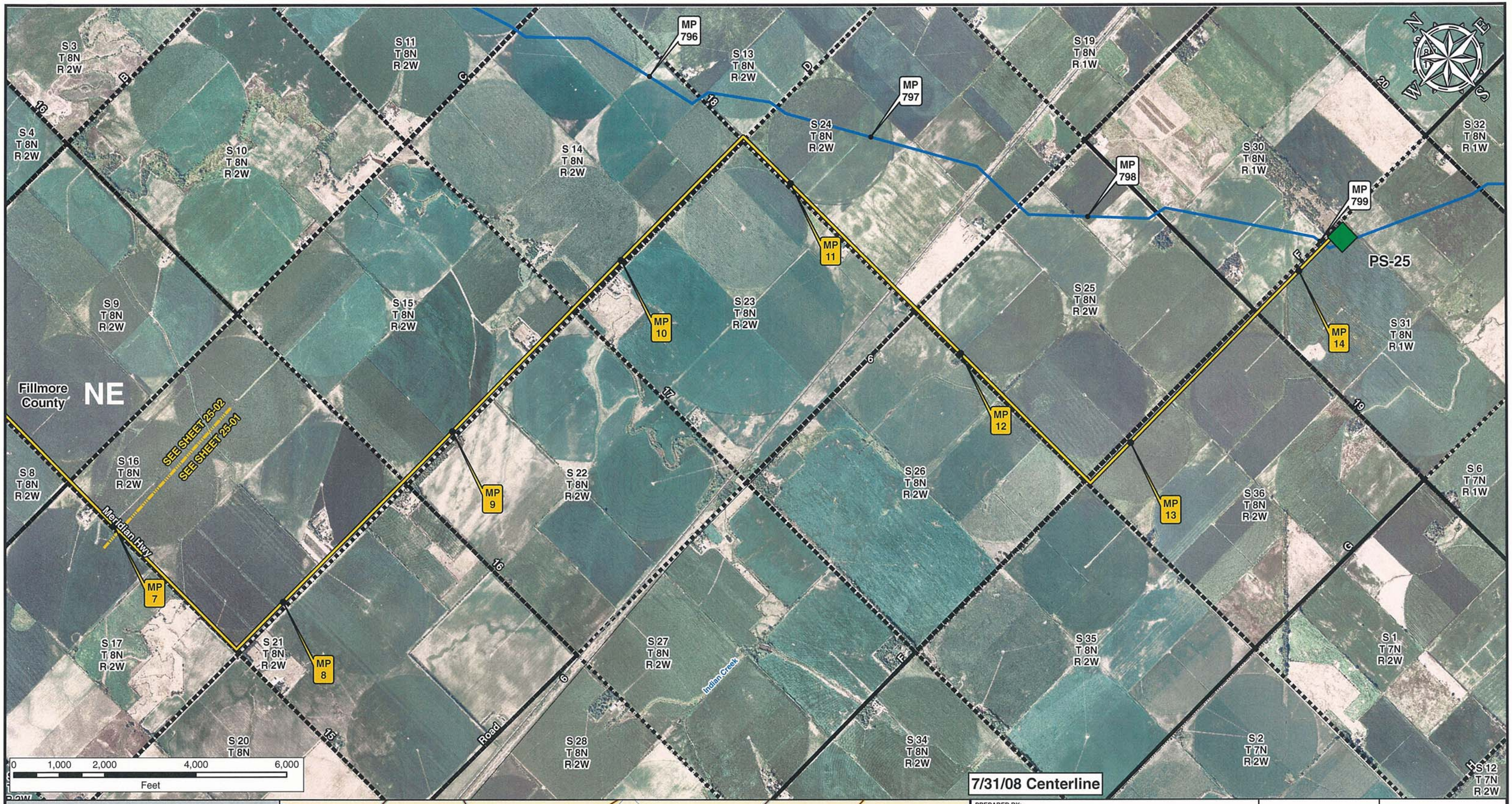
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |



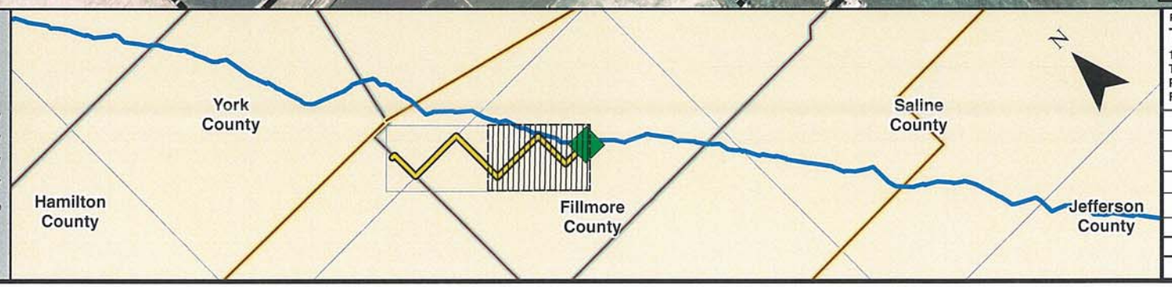

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FILLMORE COUNTY, NEBRASKA
**PS-25**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

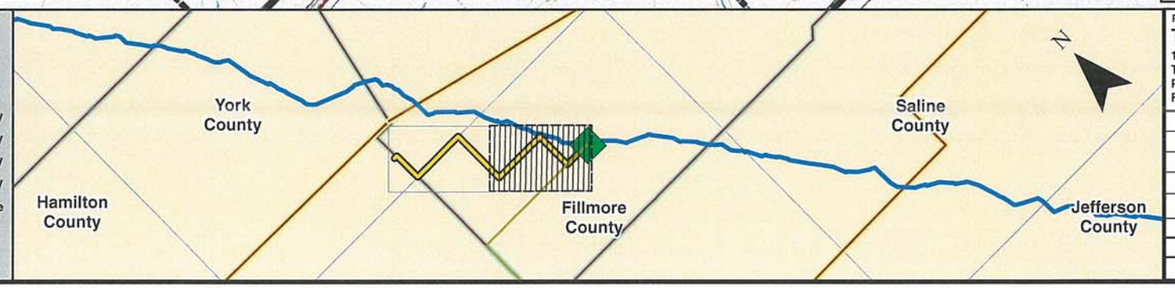
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-25-01-A | 01 of 02 | 0 |

MP 796
MP 797
MP 798
MP 799
MP 7
MP 8
MP 9
MP 10
MP 11
MP 12
MP 13
MP 14
PS-25
Fillmore County
SEE SHEET 25-02
SEE SHEET 25-01
Meridian Hwy
BURLINGTON NORTHERN
CHICAGO AND NORTH WESTERN
Indian Creek
S 4 T 8N R 2W
S 8 T 8N R 2W
S 9 T 8N R 2W
S 10 T 8N R 2W
S 11 T 8N R 2W
S 13 T 8N R 2W
S 14 T 8N R 2W
S 15 T 8N R 2W
S 16 T 8N R 2W
S 17 T 8N R 2W
S 19 T 8N R 1W
S 20 T 8N
S 21 T 8N R 2W
S 22 T 8N R 2W
S 23 T 8N R 2W
S 24 T 8N R 2W
S 25 T 8N R 2W
S 26 T 8N R 2W
S 27 T 8N R 2W
S 28 T 8N R 2W
S 30 T 8N R 1W
S 31 T 8N R 1W
S 32 T 8N R 1W
S 34 T 8N R 2W
S 35 T 8N R 2W
S 36 T 8N R 2W
S 1 T 7N R 2W
S 2 T 7N R 2W
S 6 T 7N R 1W
S 12 T 7N R 2W
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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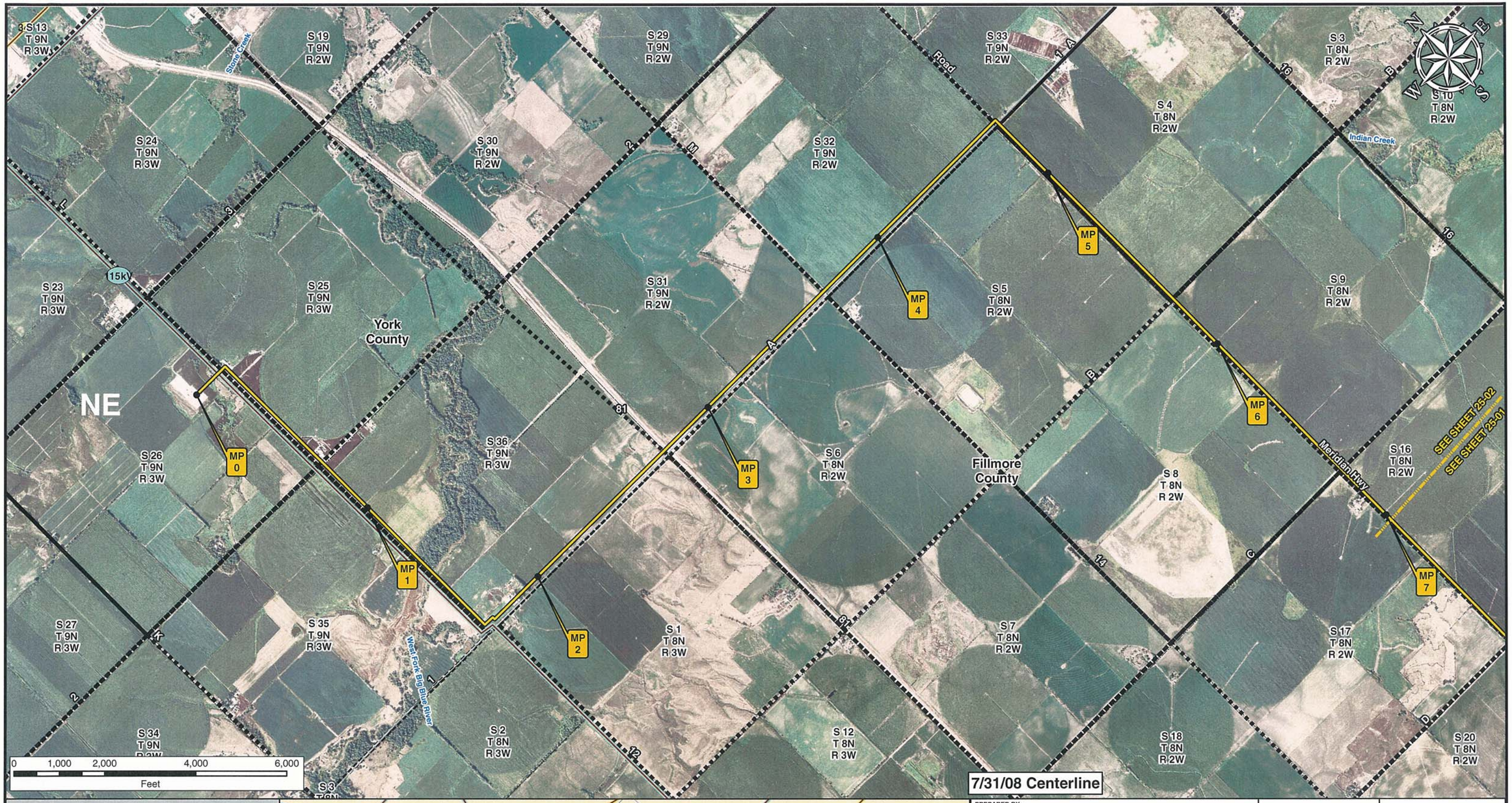
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
FILLMORE COUNTY, NEBRASKA
**PS-25**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-25-01-Q | 01 of 02 | 0 |



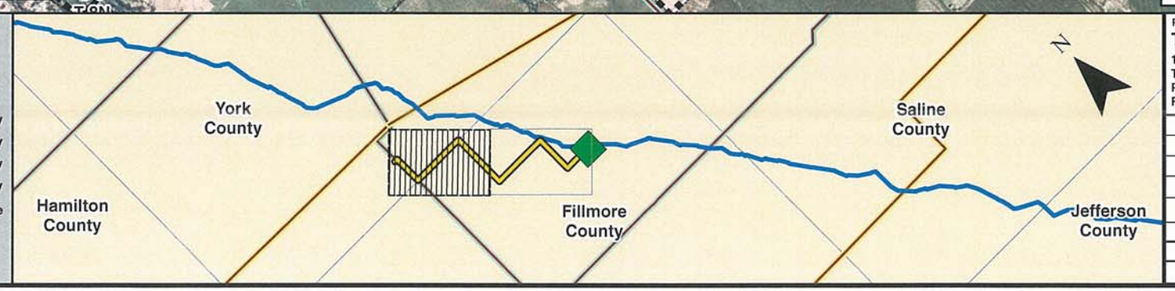

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FILLMORE COUNTY, NEBRASKA
**PS-25**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

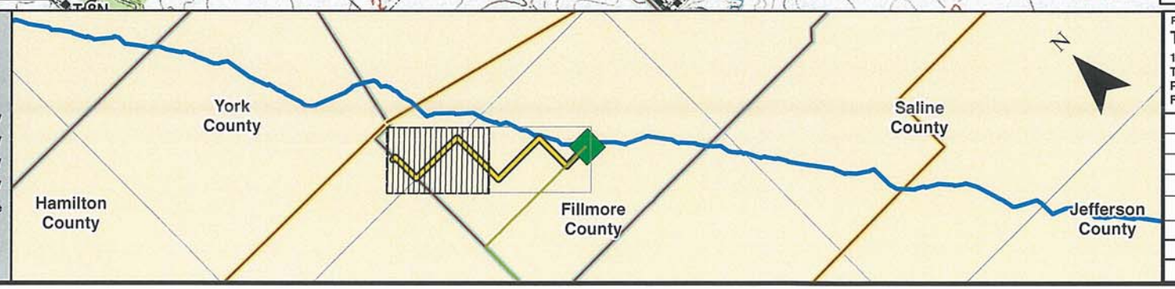
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-25-02-A | 02 of 02 | 0 |

S 13 T 9N R 3W
S 19 T 9N R 2W
S 29 T 9N R 2W
S 33 T 9N R 2W
S 3 T 8N R 2W
S 10 T 8N R 2W
S 24 T 9N R 3W
S 30 T 9N R 2W
S 32 T 9N R 2W
S 4 T 8N R 2W
S 23 T 9N R 3W
S 25 T 9N R 3W
S 31 T 9N R 2W
S 5 T 8N R 2W
S 9 T 8N R 2W
York County
S 26 T 9N R 3W
S 36 T 9N R 3W
S 6 T 8N R 2W
Fillmore County
S 8 T 8N R 2W
S 16 T 8N R 2W
S 27 T 9N R 3W
S 35 T 9N R 3W
S 1 T 8N R 3W
S 7 T 8N R 2W
S 17 T 8N R 2W
S 34 T 9N R 3W
S 2 T 8N R 3W
S 12 T 8N R 3W
S 18 T 8N R 2W
S 20 T 8N R 2W
S 3 T 8N R 3W
MP 0
MP 1
MP 2
MP 3
MP 4
MP 5
MP 6
MP 7
15kV
Stone Creek
Big Blue River
West Fork Big Blue River
Indian Creek
Meridian Hwy
SEE SHEET 25-02
SEE SHEET 25-01
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
FILLMORE COUNTY, NEBRASKA
PS-25

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL-31-ML-2003-P-25-02-Q | 02 of 02 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS-26

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**


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| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

N W E S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
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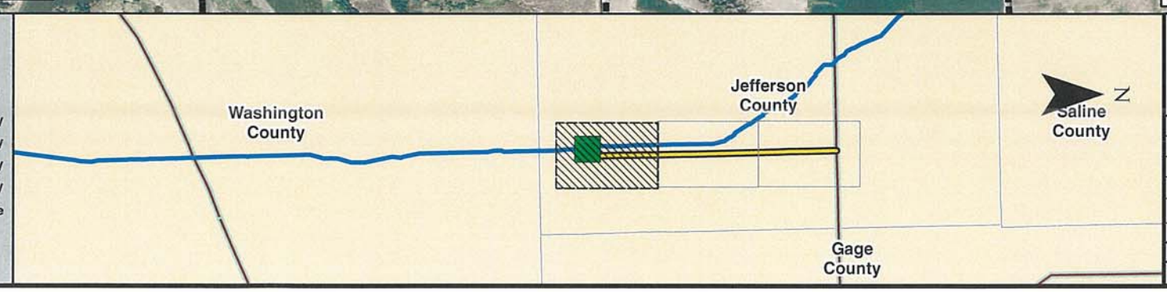
Steele City
Vanna Ave
Tango Rd
Caroline St
Main St
1st St
2nd St
Curtis St
Sty St
Little Blue River
Romeo Rd
577th Ave
708th Rd
S 31 T 1N R 4E
S 30 T 1N R 4E
S 19 T 1N R 4E
S 18 T 1N R 4E
S 7 T 1N R 4E
S 6 T 1N R 4E
S 32 T 1N R 4E
S 29 T 1N R 4E
S 20 T 1N R 4E
S 17 T 1N R 4E
S 8 T 1N R 4E
S 5 T 1N R 4E
S 32 T 2N R 4E
MP 850.25766
MP 850
MP 849
MP 848
MP 847
PS-26
SEE SHEET 26-01
SEE SHEET 26-02
Jefferson County
NE
578th Ave
MP 13
MP 12
MP 11
MP 10
S 33 T 1N R 4E
703rd Rd
S 28 T 1N R 4E
S 21 T 1N R 4E
S 16 T 1N R 4E
S 9 T 1N R 4E
707th Rd
S 4 T 1N R 4E
S 33 T 2N R 4E
704th Rd
579th Ave
S 34 T 1N R 4E
S 27 T 1N R 4E
S 22 T 1N R 4E
S 15 T 1N R 4E
706th Rd
S 10 T 1N R 4E
S 3 T 1N R 4E
S 34 T 2N R 4E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

## Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
JEFFERSON COUNTY, NEBRASKA
**PS-26**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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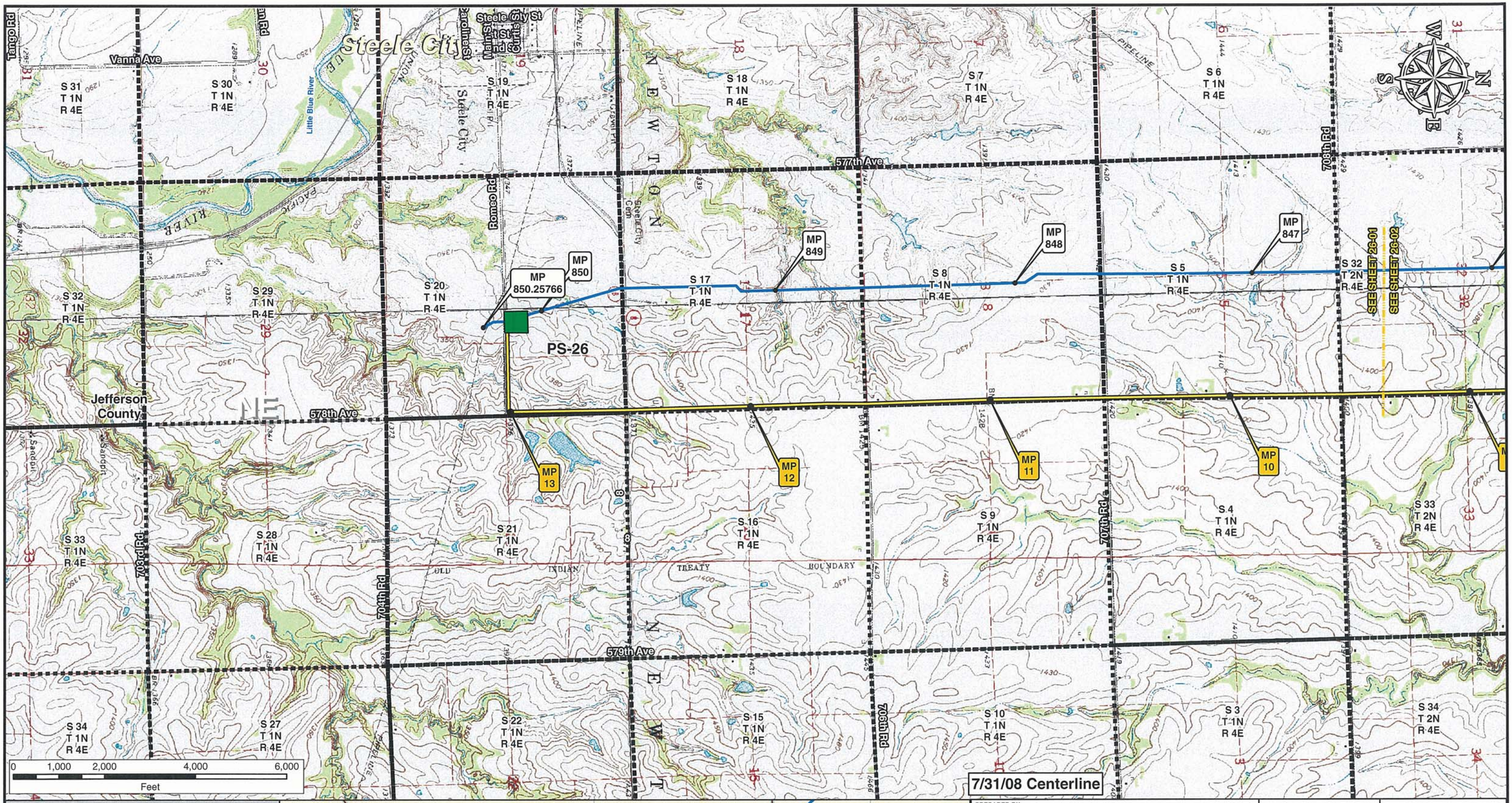
| AH | SS | RG | 50388X | XL-31-ML-2003-P-26-01-A | 01 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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- 735kV - 999kV
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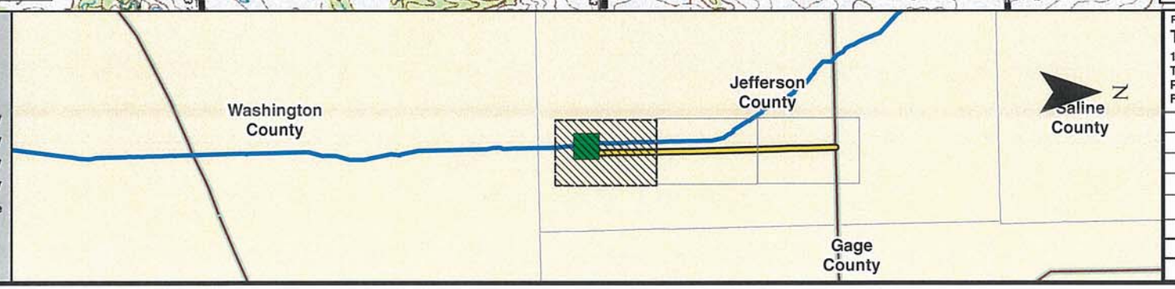
- DC





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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JEFFERSON COUNTY, NEBRASKA
**PS-26**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 31-ML-2003-P- 26-01 -Q | 01 of 03 | 0 |

S 6 T 1N R 4E
S 31 T 2N R 4E
S 30 T 2N R 4E
S 19 T 2N R 4E
S 18 T 2N R 4E
S 7 T 2N R 4E
S 6 T 2N R 4E
708th Rd
709th Rd
710th Rd
712th Rd
577th Ave
MP 842
MP 843
MP 844
MP 845
MP 846
S 5 T 1N R 4E
S 32 T 2N R 4E
S 29 T 2N R 4E
S 20 T 2N R 4E
S 17 T 2N R 4E
S 8 T 2N R 4E
S 5 T 2N R 4E
Big Indian Creek
SEE SHEET 26-01
SEE SHEET 26-02
SEE SHEET 26-02
SEE SHEET 26-03
Jefferson County
NE
578th Ave
MP 9
MP 8
MP 7
MP 6
MP 5
MP 4
S 4 T 1N R 4E
S 33 T 2N R 4E
S 28 T 2N R 4E
S 21 T 2N R 4E
Pwr Rd
S 16 T 2N R 4E
S 9 T 2N R 4E
S 4 T 2N R 4E
716th Rd
579th Ave
S 3 T 1N R 4E
S 34 T 2N R 4E
S 27 T 2N R 4E
S 22 T 2N R 4E
Big Indian Creek
S 15 T 2N R 4E
S 10 T 2N R 4E
S 3 T 2N R 4E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

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

**Electric Lines**
Voltage
- Below 230kV
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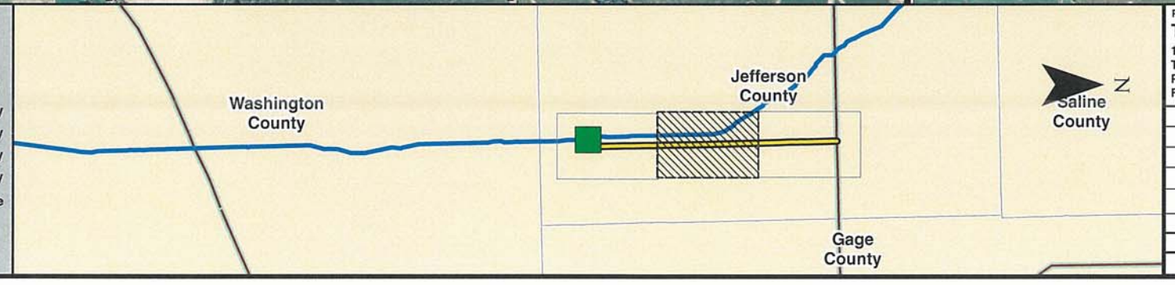


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TransCanada
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JEFFERSON COUNTY, NEBRASKA
**PS-26**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL-31-ML-2003-P-26-02-A | 02 of 03 | 0 |

MP 842
MP 843
MP 844
MP 845
MP 846
MP 4
MP 5
MP 6
MP 7
MP 8
MP 9
SEE SHEET 26-01
SEE SHEET 26-02
SEE SHEET 26-03
577th Ave
578th Ave
579th Ave
708th Rd
709th Rd
710th Rd
711th Rd
712th Rd
PLEASANT
Big Indian Creek
Jefferson County
S 6 T 1N R 4E
S 31 T 2N R 4E
S 30 T 2N R 4E
S 19 T 2N R 4E
S 18 T 2N R 4E
S 7 T 2N R 4E
S 6 T 2N R 4E
S 5 T 1N R 4E
S 32 T 2N R 4E
S 29 T 2N R 4E
S 20 T 2N R 4E
S 17 T 2N R 4E
S 8 T 2N R 4E
S 5 T 2N R 4E
S 4 T 1N R 4E
S 33 T 2N R 4E
S 28 T 2N R 4E
S 21 T 2N R 4E
S 16 T 2N R 4E
S 9 T 2N R 4E
S 4 T 2N R 4E
S 3 T 1N R 4E
S 34 T 2N R 4E
S 27 T 2N R 4E
S 22 T 2N R 4E
S 15 T 2N R 4E
S 10 T 2N R 4E
S 3 T 2N R 4E
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

Legend
- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County Line
- Section Line

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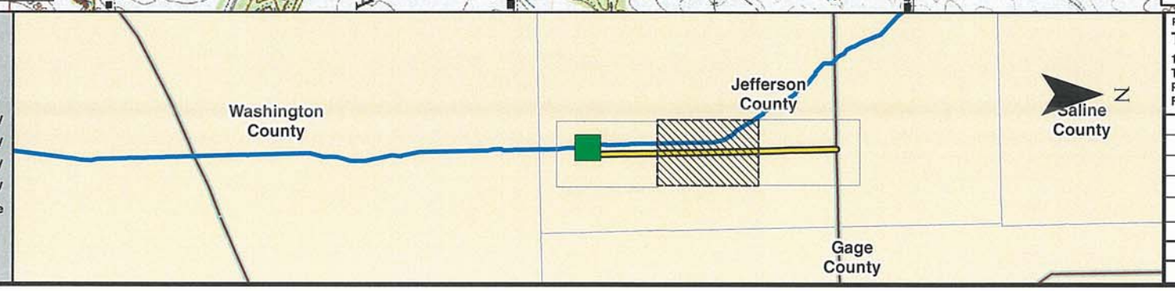
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JEFFERSON COUNTY, NEBRASKA
PS-26

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL-31-ML-2003-P-26-02-Q | 02 of 03 | 0 |

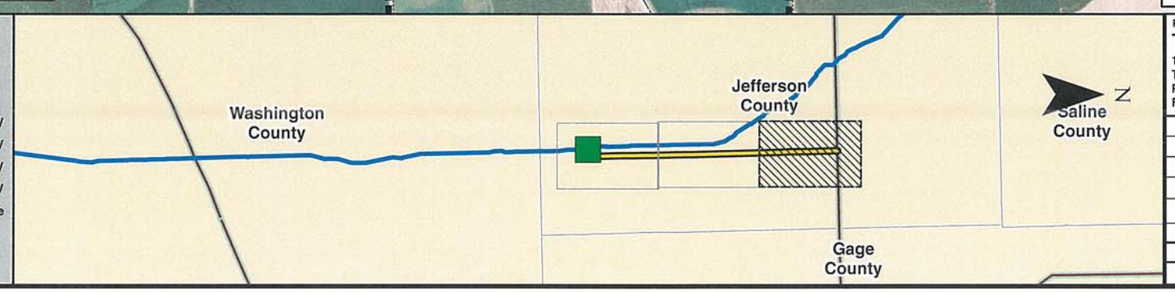
S 6 T 2N R 4E
S 31 T 3N R 4E
S 30 T 3N R 4E
S 19 T 3N R 4E
S 18 T 3N R 4E
S 7 T 3N R 4E
S 6 T 3N R 4E
714th Rd
716th Rd
577th Ave
W
S
N
E
S 5 T 2N R 4E
SEE SHEET 26-02
SEE SHEET 26-03
S 32 T 3N R 4E
S 29 T 3N R 4E
S 20 T 3N R 4E
S 17 T 3N R 4E
S 8 T 3N R 4E
S 5 T 3N R 4E
136
115kV
Cub Creek
578th Ave
Jefferson County
NE
MP 4
MP 3
MP 2
MP 1
MP 0
S 4 T 2N R 4E
S 33 T 3N R 4E
S 28 T 3N R 4E
S 21 T 3N R 4E
S 16 T 3N R 4E
S 9 T 3N R 4E
S 4 T 3N R 4E
715th Rd
717th Rd
718th Rd
Curtiss St
Adams St
William St
Sandman St
Barry St
Letton St
579th Ave
713th Rd
Harbine
S 3 T 2N R 4E
S 34 T 3N R 4E
S 27 T 3N R 4E
S 22 T 3N R 4E
S 15 T 3N R 4E
S 10 T 3N R 4E
S 3 T 3N R 4E
Wall Rd
0 1,000 2,000 4,000 6,000
Feet
7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
JEFFERSON COUNTY, NEBRASKA
**PS-26**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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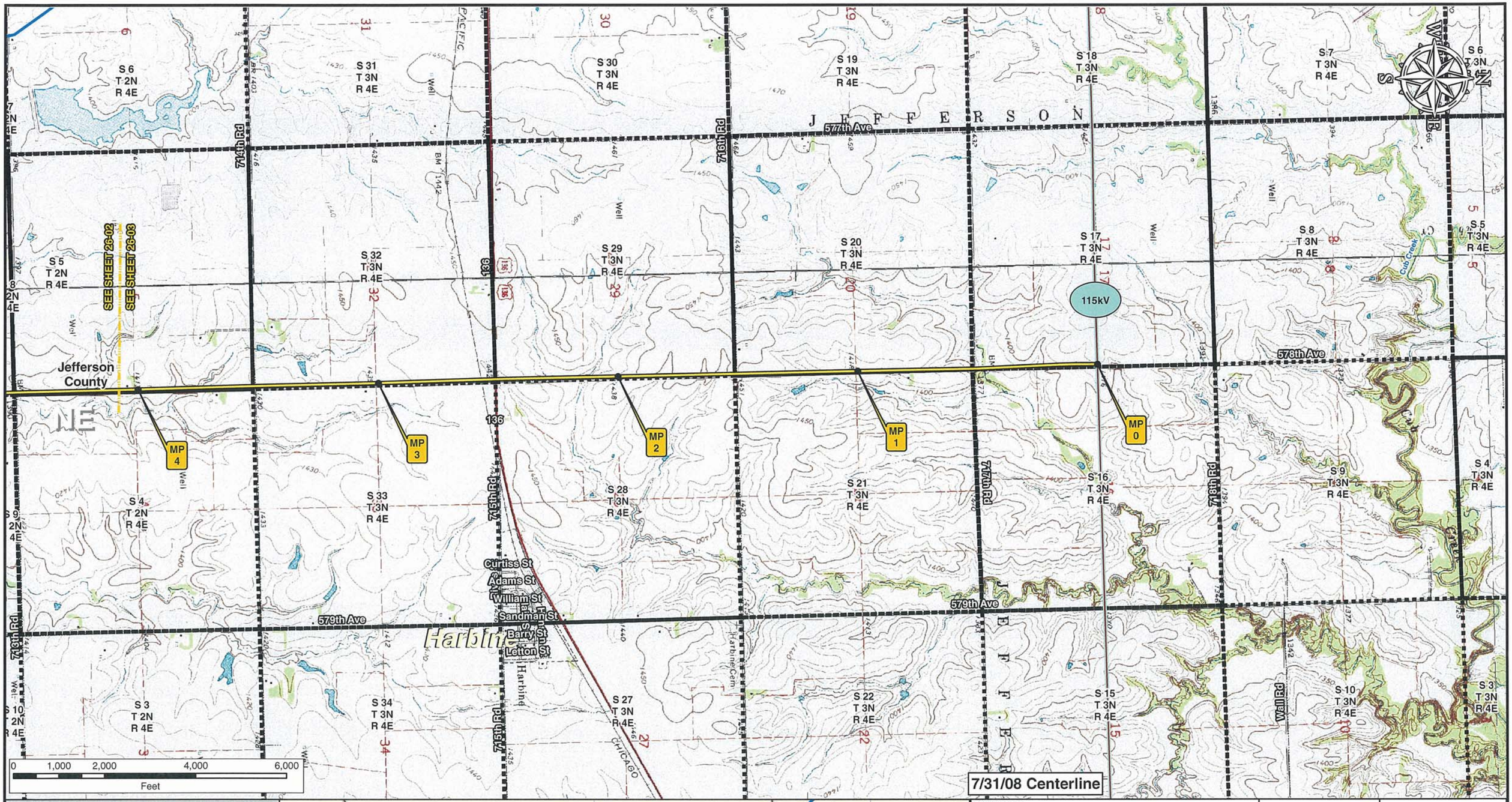
| AH | SS | RG | 50388X | XL-31-ML-2003-P-26-03-A | 03 of 03 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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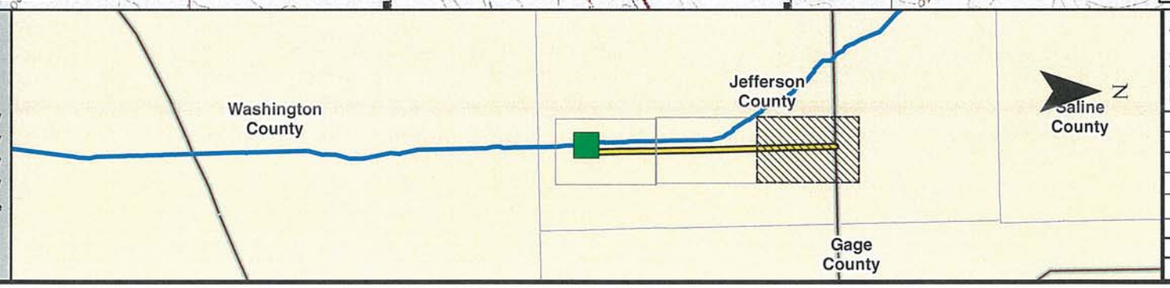
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
JEFFERSON COUNTY, NEBRASKA
**PS-26**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL-31-ML-2003-P-26-03-Q | 03 of 03 | 0 |

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-27

**7/11/07 Centerline**

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KEYSTONE CUSHING EXTENSION
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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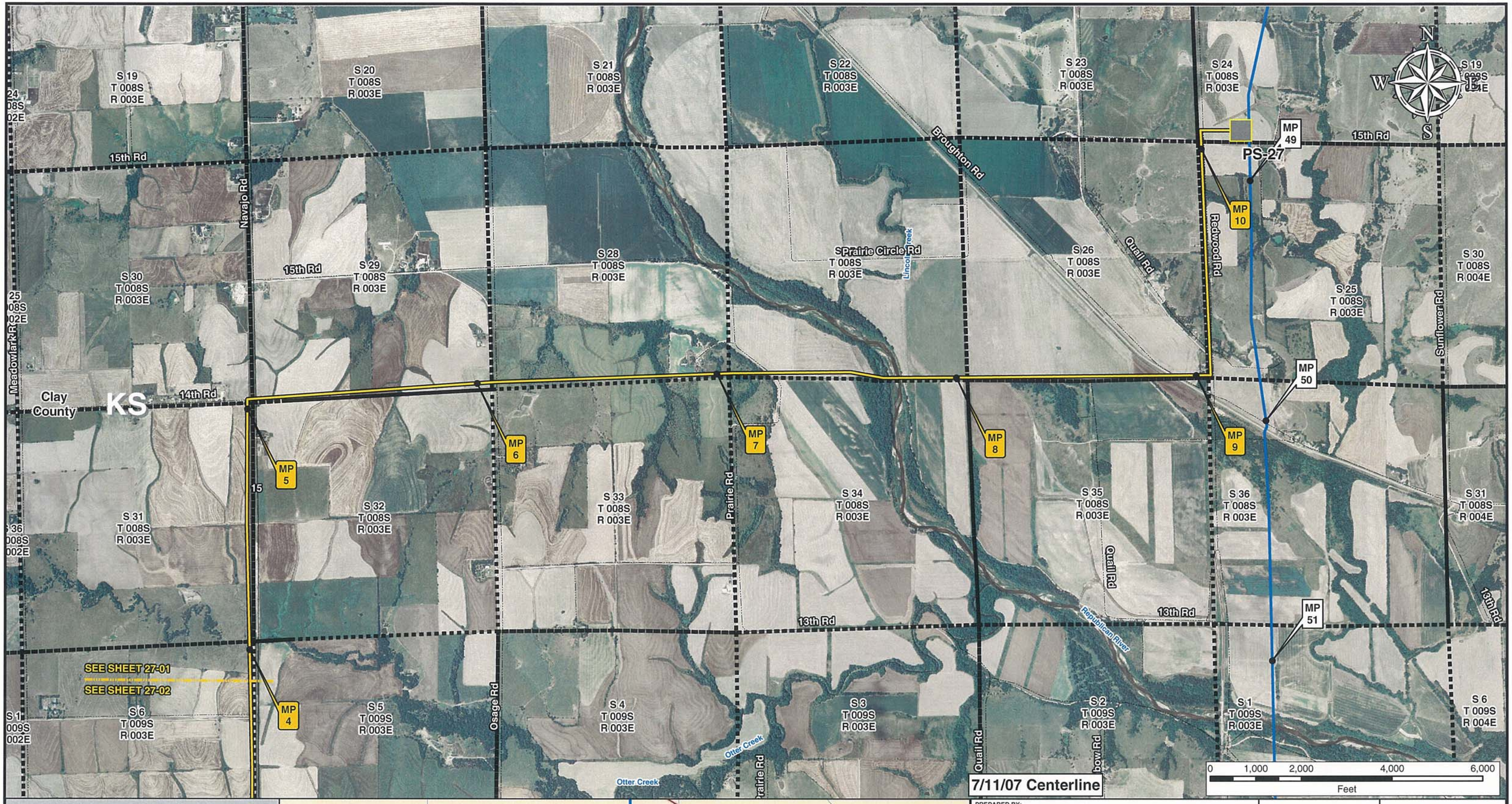


**Legend**

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County Line
- Section Line

**Electric Lines**
Voltage

- Below 230kV
- 230kV - 344kV
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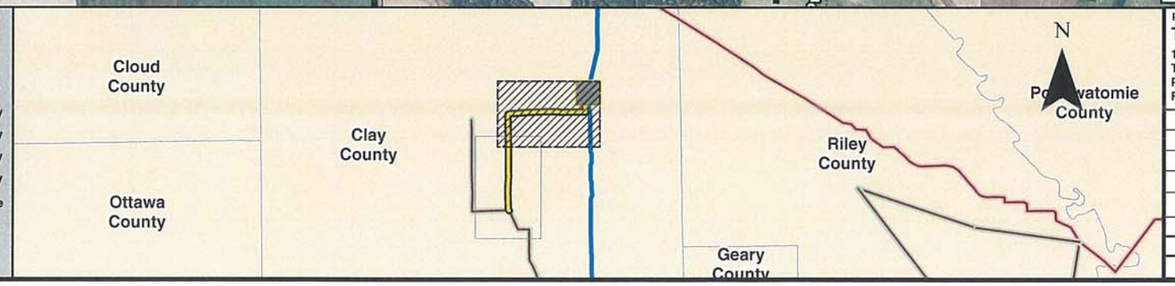
- 735kV - 999kV
- AC-DC-AC Tie
- DC

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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
CLAY COUNTY, KANSAS
**PS-27**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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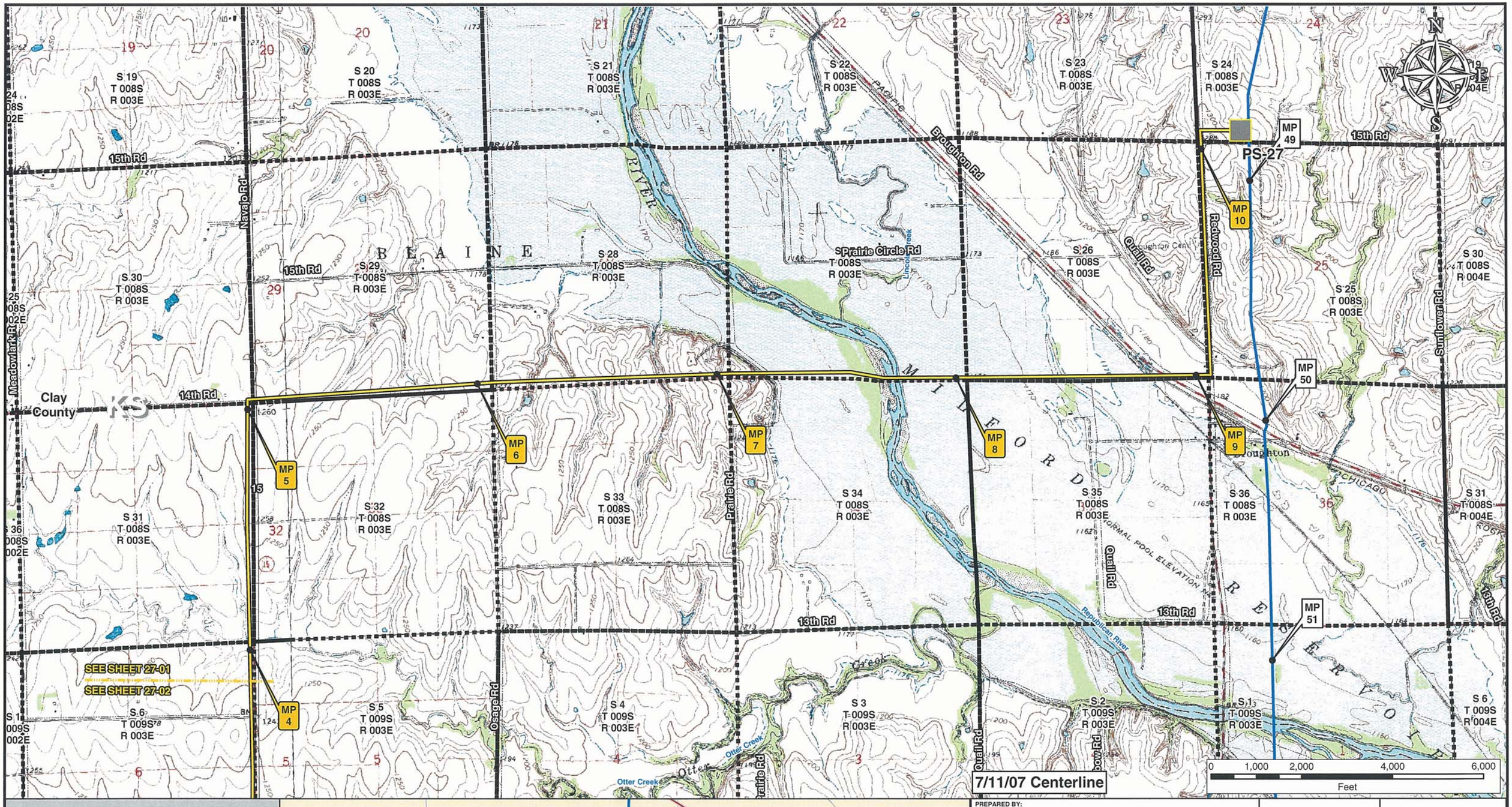


**Legend**

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County Line
- Section Line

**Electric Lines**

Voltage

- Below 230kV
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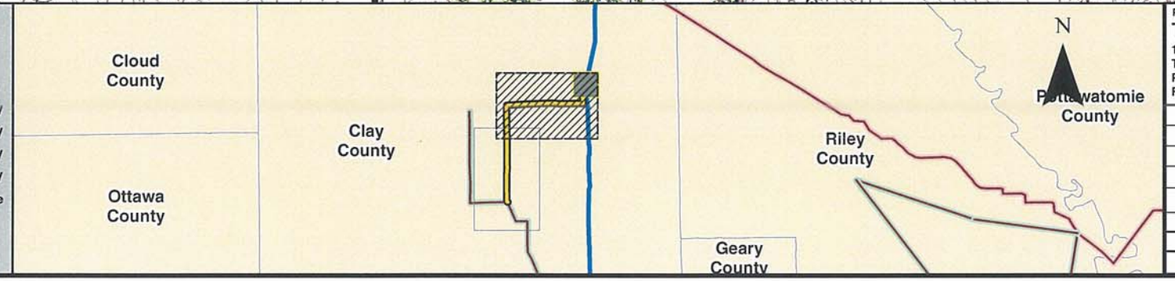
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
CLAY COUNTY, KANSAS
PS-27

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 20-CE-2003-P- 27-01-Q | 01 of 02 | 0 |

S 33 T 008S R 003E | S 4 T 009S R 003E | S 9 T 009S R 003E | S 16 T 009S R 003E | S 21 T 009S R 003E | S 28 T 009S R 003E

13th Rd

Osage Rd

S 32 T 008S R 003E | S 5 T 009S R 003E | S 8 T 009S R 003E | S 17 T 009S R 003E | S 20 T 009S R 003E | S 29 T 009S R 003E | S 32 T 009S R 003E

12th Rd

KS

Navajo Rd

15

115kV

Clay County

MP 4 | MP 3 | MP 2 | MP 1 | MP 0

SEE SHEET 27-01

SEE SHEET 27-02

S 31 T 008S R 003E | S 6 T 009S R 003E | S 7 T 009S R 003E | S 18 T 009S R 003E | S 19 T 009S R 003E | S 30 T 009S R 003E | S 31 T 009S R 003E

11th Rd

10th Rd

Otter Creek

9th Rd

8th Rd

Meadowlark Rd

S 36 T 008S R 002E | S 1 T 009S R 002E | S 12 T 009S R 002E | S 13 T 009S R 002E | S 24 T 009S R 002E | S 25 T 009S R 002E | S 36 T 009S R 002E

7/11/07 Centerline

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

Feet

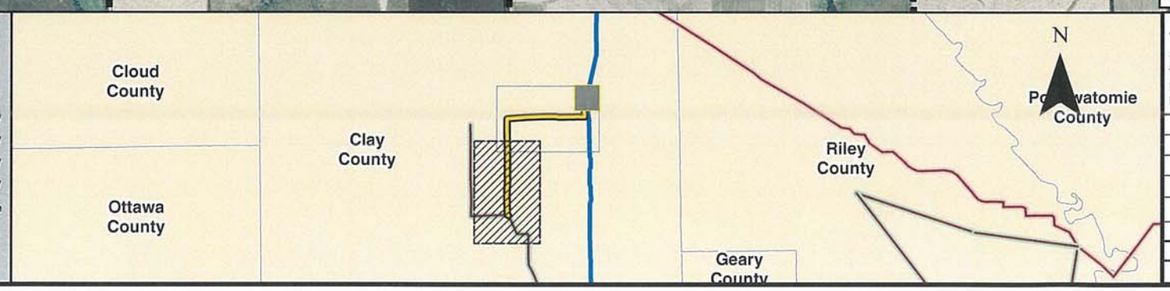
## Legend

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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 CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
CLAY COUNTY, KANSAS
**PS-27**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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S 33 T 008S R 003E
S 4 T 009S R 003E
S 9 T 009S R 003E
S 16 T 009S R 003E
S 21 T 009S R 003E
S 28 T 009S R 003E
S 32 T 008S R 003E
S 5 T 009S R 003E
S 8 T 009S R 003E
S 17 T 009S R 003E
S 20 T 009S R 003E
S 29 T 009S R 003E
S 32 T 009S R 003E
S 31 T 008S R 003E
S 6 T 009S R 003E
S 7 T 009S R 003E
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S 31 T 009S R 003E
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S 1 T 009S R 002E
S 12 T 009S R 002E
S 13 T 009S R 002E
S 24 T 009S R 002E
S 25 T 009S R 002E
S 36 T 009S R 002E

13th Rd
12th Rd
11th Rd
10th Rd
9th Rd
8th Rd
Osage Rd
Navajo Rd
Meadowlark Rd
15
Mt. Vernon Sch
Lutheran Cem
Otter Creek

Clay County

MP 4
MP 3
MP 2
MP 1
MP 0

SEE SHEET 27-01
SEE SHEET 27-02

115kV

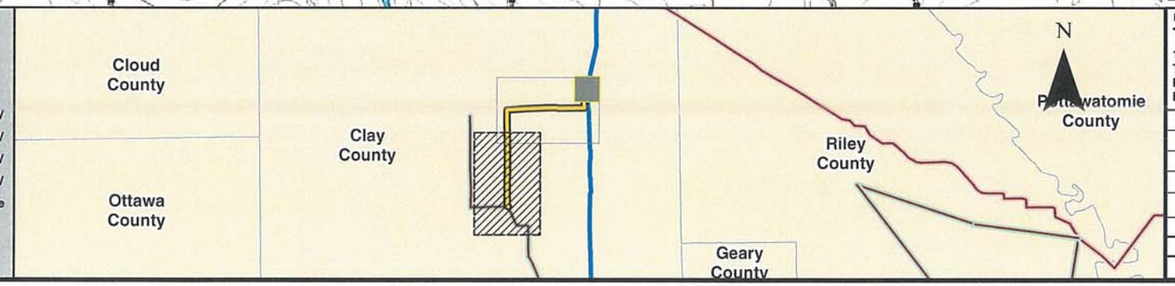
0 1,000 2,000 4,000 6,000
Feet

7/11/07 Centerline

## Legend

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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 CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
CLAY COUNTY, KANSAS
**PS-27**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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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-29

**7/11/07 Centerline**

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KEYSTONE CUSHING EXTENSION
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
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PROJECT: 50388X

SHEET: COVER SHEET

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S 28 T 023S R 004E
S 27 T 023S R 004E
S 26 T 023S R 004E
S 25 T 023S R 004E
S 30 T 023S R 005E
130th St
MP 141
Shumway Rd
Cherokee Rd
Hopkins Switch Rd
N
W
E
S
Diamond Rd
Lane
S 31 T 023S R 004E
S 32 T 023S R 004E
S 33 T 023S R 004E
East Branch Whitewater River
S 34 T 023S R 004E
Ohio Street Rd
S 35 T 023S R 004E
S 36 T 023S R 004E
SEE SHEET 29-01
SEE SHEET 29-02
S 31 T 023S R 005E
Buffalo Rd
MP 142
120th St
Butler County
Diamond Rd
KS
MP 9
MP 8
MP 7
Diamond Creek
MP 6
MP 5
S 6 T 024S R 004E
115th St
S 5 T 024S R 004E
S 4 T 024S R 004E
S 3 T 024S R 004E
S 2 T 024S R 004E
S 1 T 024S R 004E
S 6 T 024S R 005E
Henry Creek
Whitewater River
MP 143
Hunter Rd
345
110th St
Shumway Rd
PS-29
MP 10
Adams Rd
S 7 T 024S R 004E
S 8 T 024S R 004E
River Valley Rd
S 9 T 024S R 004E
S 10 T 024S R 004E
S 11 T 024S R 004E
S 12 T 024S R 004E
Fourmile Creek
S 7 T 024S R 005E
0 1,000 2,000 4,000 6,000
Feet
7/11/07 Centerline

**Legend**

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County Line
- Section Line

**Electric Lines**
Voltage

- Below 230kV
- 230kV - 344kV
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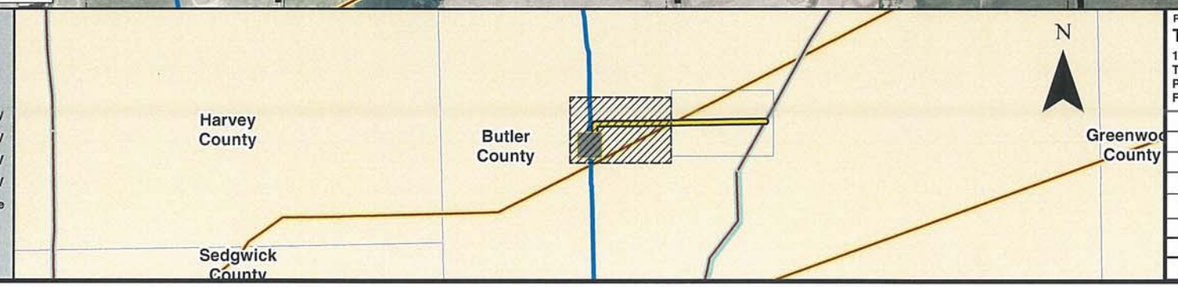
- 735kV - 999kV
- AC-DC-AC Tie
- DC





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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
**PS-29**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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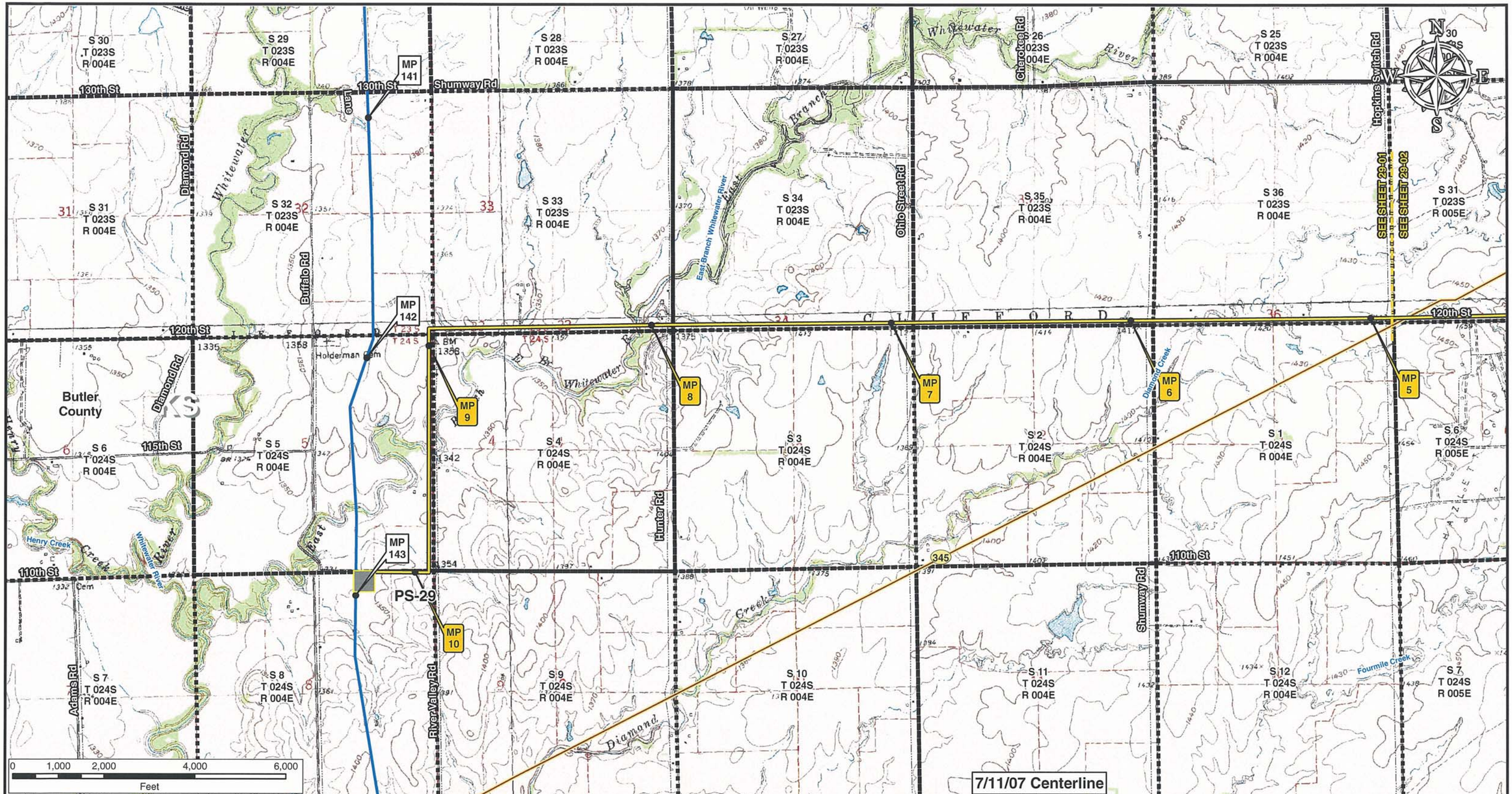


**Legend**

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
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- Section Line

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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- AC-DC-AC Tie
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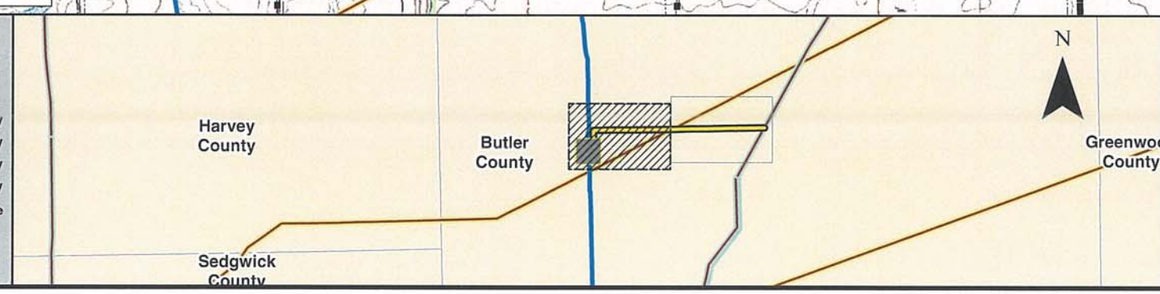


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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
**PS-29**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

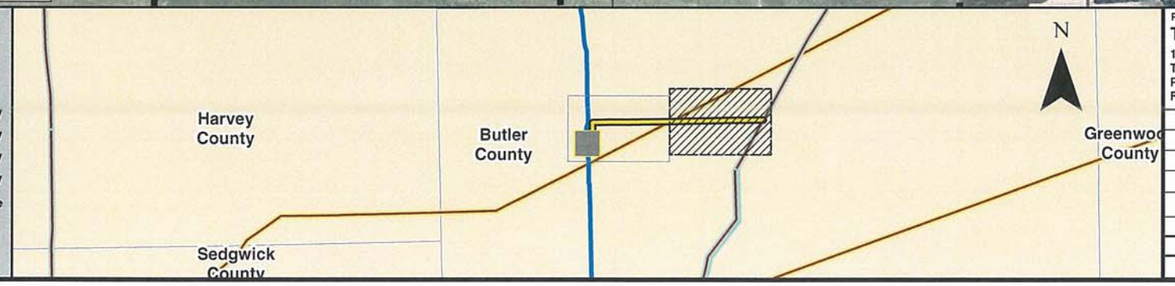
| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 20-CE-2003-P- 29-01-Q | 01 of 02 | 0 |

S 25 T 023S R 004E
S 30 T 023S R 005E
S 29 T 023S R 005E
S 28 T 023S R 005E
S 27 T 023S R 005E
S 26 T 023S R 005E
Hopkins Switch Rd
Diamond Creek
Purity Springs Rd
Haverhill Rd
130th St
West Branch Walnut River
N
S
E
W
S 36 T 023S R 004E
S 31 T 023S R 005E
S 32 T 023S R 005E
S 33 T 023S R 005E
S 34 T 023S R 005E
S 35 T 023S R 005E
S 36 T 023S R 005E
SEE SHEET 29-01
SEE SHEET 29-02
345
161kV
KS
120th St
120th St
Butler County
MP 5
MP 4
MP 3
MP 2
MP 1
MP 0
56
S 1 T 024S R 004E
S 6 T 024S R 005E
S 5 T 024S R 005E
S 4 T 024S R 005E
S 3 T 024S R 005E
S 2 T 024S R 005E
S 1 T 024S R 005E
Boyer Rd
Klova Rd
77
110th St
Trumbull Rd
S 12 T 024S R 004E
S 7 T 024S R 005E
S 8 T 024S R 005E
S 9 T 024S R 005E
S 10 T 024S R 005E
S 11 T 024S R 005E
S 12 T 024S R 005E
Fourmile Creek
Pickerell Rd
0 1,000 2,000 4,000 6,000
Feet
7/11/07 Centerline

**Legend**

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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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ConocoPhillips
TransCanada
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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
**PS-29**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| NO. | REVISION | DATE |
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| AH | SS | RG | 50388X | XL-20-CE-2003-P-29-02-A | 02 of 02 | 0 |

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T 023S
R 004E

S 30
T 023S
R 005E

S 29
T 023S
R 005E

S 28
T 023S
R 005E

S 27
T 023S
R 005E

S 26
T 023S
R 005E

S 36
T 023S
R 004E

S 31
T 023S
R 005E

S 32
T 023S
R 005E

S 33
T 023S
R 005E

S 34
T 023S
R 005E

S 35
T 023S
R 005E

S 36
T 023S
R 005E

S 1
T 024S
R 004E

S 6
T 024S
R 005E

S 5
T 024S
R 005E

S 4
T 024S
R 005E

S 3
T 024S
R 005E

S 2
T 024S
R 005E

S 1
T 024S
R 005E

S 12
T 024S
R 004E

S 7
T 024S
R 005E

S 8
T 024S
R 005E

S 9
T 024S
R 005E

S 10
T 024S
R 005E

S 11
T 024S
R 005E

S 12
T 024S
R 005E

Hopkins Switch Rd
Purity Springs Rd
Haverhill Rd
Boyer Rd
Kiowa Rd
Pickerell Rd
Diamond Creek
Fourmile Creek
West Branch Walnut River
HAZLETT OIL FIELD
OLD RAILROAD GRADE
Humboldt Rd
De Graff
BM 1395
BM 1432

130th St
120th St
110th St

345
56
77
11

SEE SHEET 29-01
SEE SHEET 29-02

161kV

MP 5
MP 4
MP 3
MP 2
MP 1
MP 0

Butler County

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

7/11/07 Centerline

Legend

- Milepost
- Keystone Cushing Extension
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
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- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
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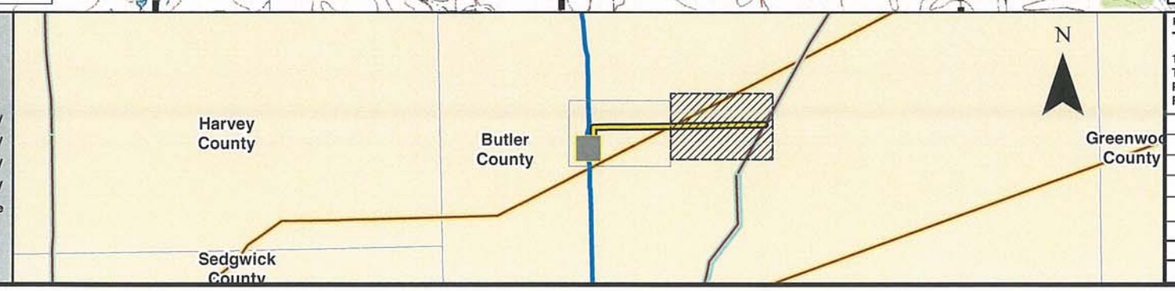
- AC-DC-AC Tie
- DC

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KEYSTONE CUSHING EXTENSION
TRANSMISSION SUPPLY LINE ROUTE MAP
BUTLER COUNTY, KANSAS
PS-29

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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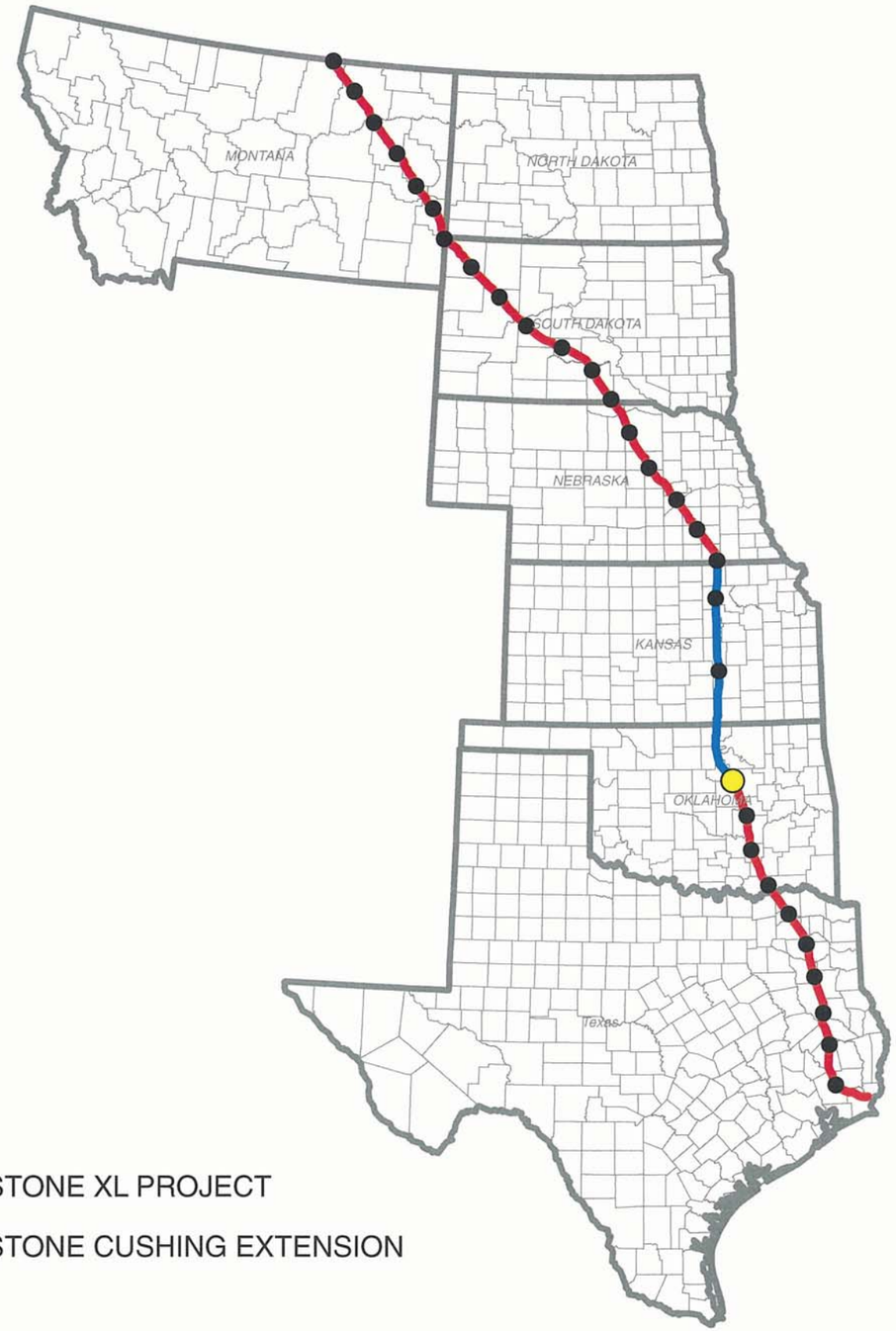


KEYSTONE XL PROJECT

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 - 32

**7/31/08 Centerline**

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

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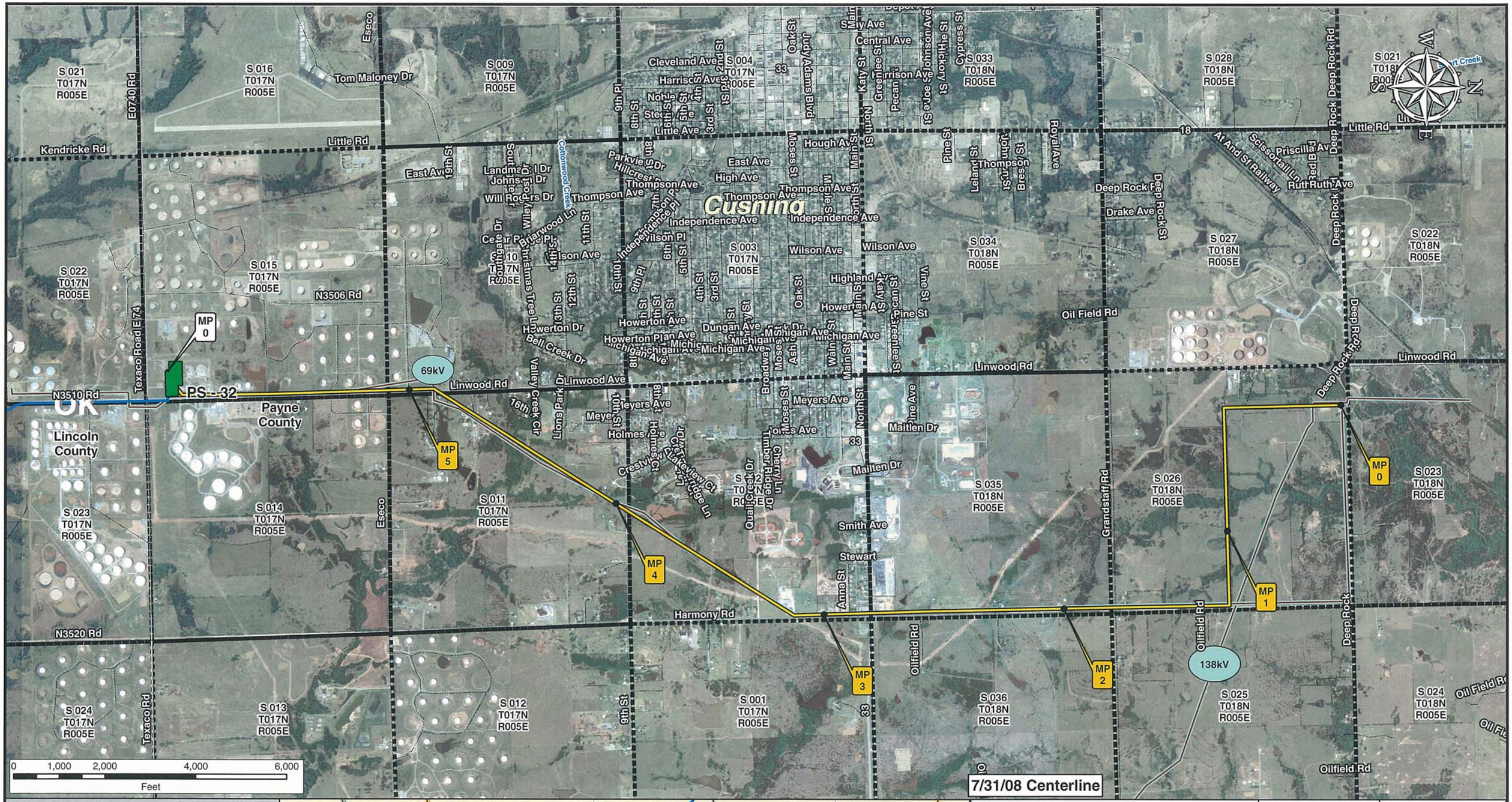


**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- 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
PAYNE COUNTY, OKLAHOMA
**PS-32**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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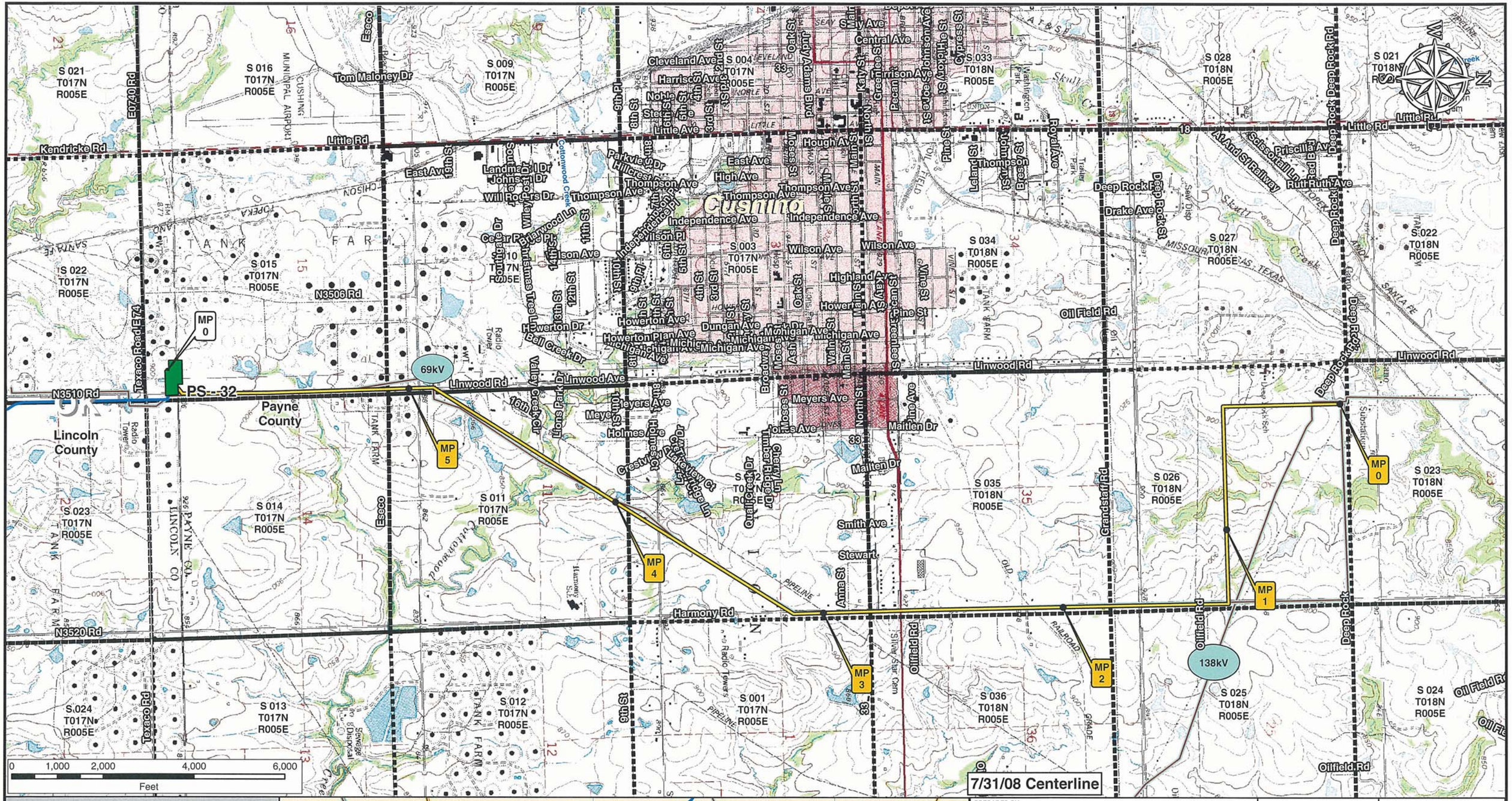


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
PAYNE COUNTY, OKLAHOMA
**PS-32**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL- 40-ML-2003-P- 32-01 -Q | 01 of 01 | 0 |

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 - 33

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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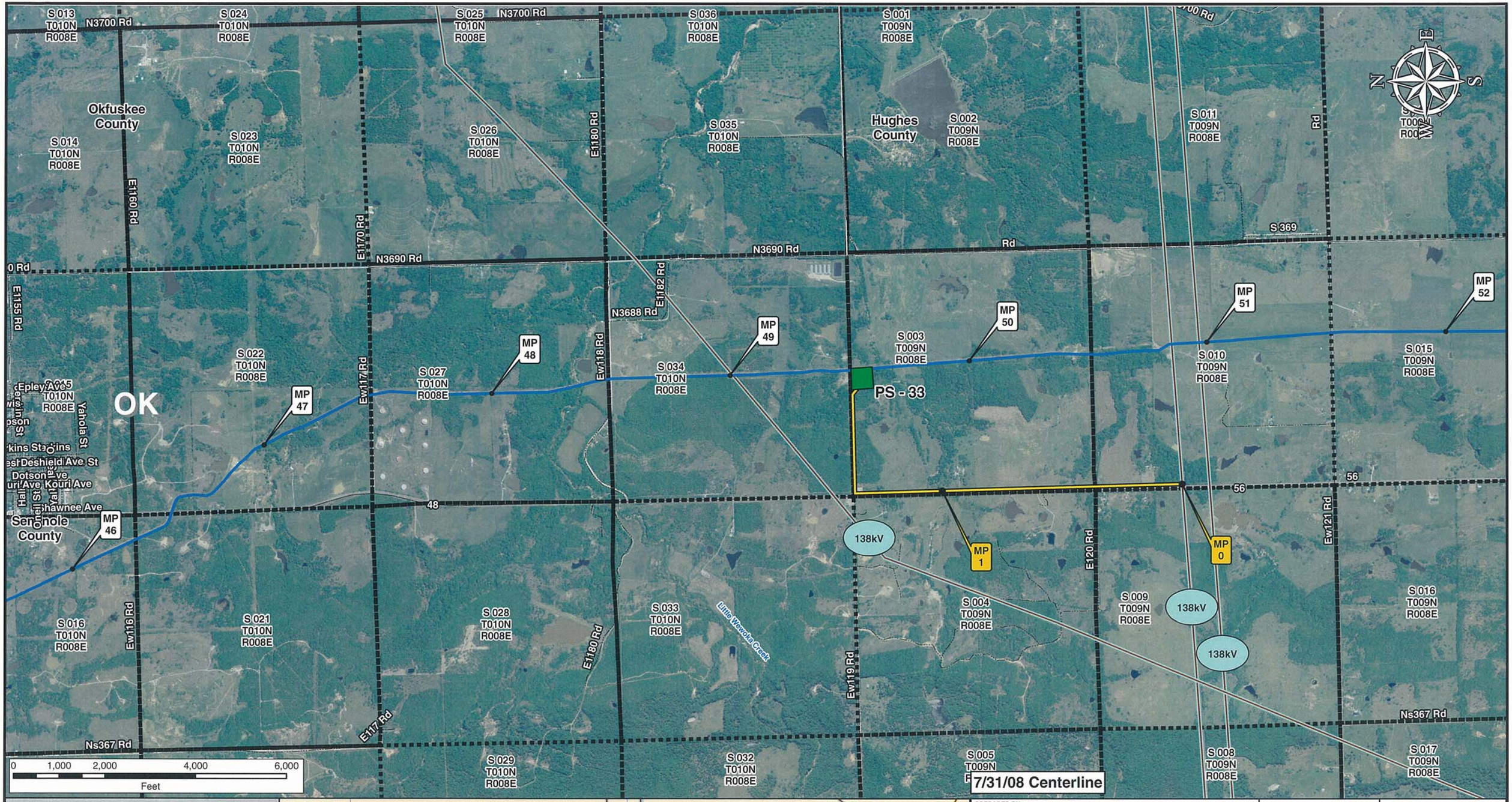
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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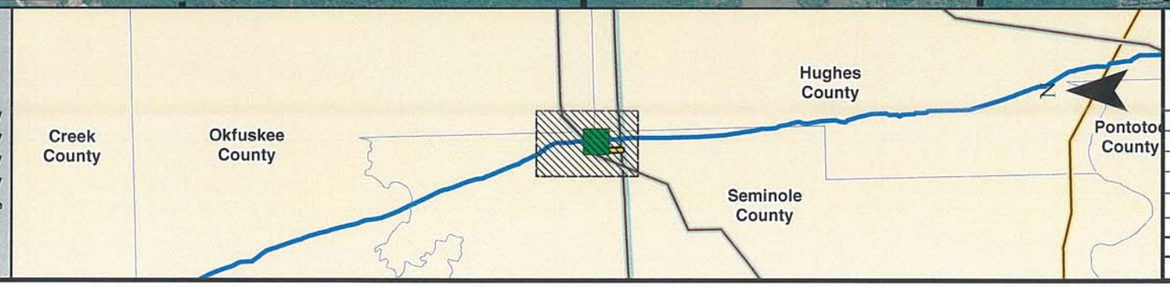
- AC-DC-AC Tie
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
SEMINOLE COUNTY, OKLAHOMA
**PS-33**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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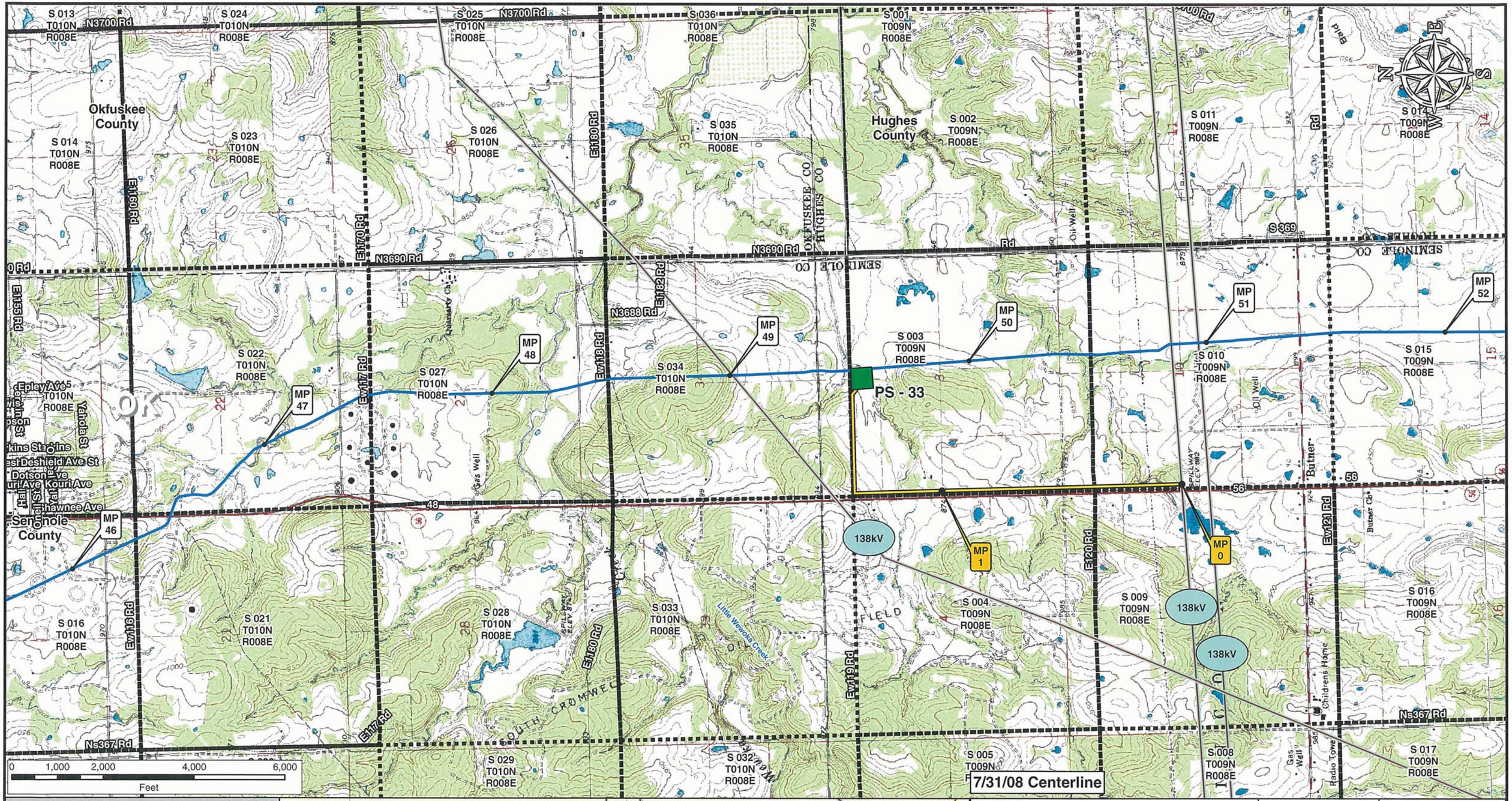


**Legend**

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
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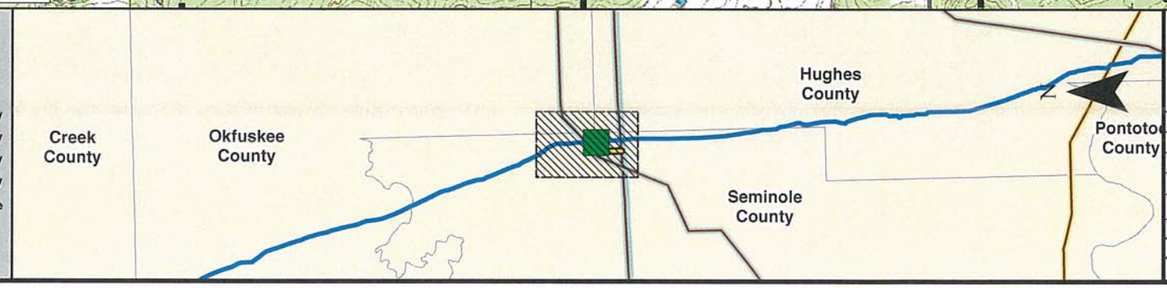


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
SEMINOLE COUNTY, OKLAHOMA
**PS-33**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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| AH | SS | RG | 50388X | XL-40-ML-2003-P-33-01-Q | 01 of 01 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 34

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
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S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
## REVISION 0

**7/31/08 Centerline**

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Tallahassee, Florida , USA 32308
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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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

Tupelo
OK
Coal County
PS - 34
MP 0
MP 1
MP 2
MP 3
MP 4
MP 95
MP 96
MP 97
7/31/08 Centerline
S 35 T002N R008E
S 2 T001N R008E
S 24 T002N R008E
S 25 T002N R008E
S 7 T002N R009E
S 18 T002N R009E
S 8 T002N R009E
S 36 T002N R008E
S 19 T002N R009E
S 1 T001N R008E
S 30 T002N R009E
S 17 T002N R009E
S 9 T002N R009E
S 31 T002N R009E
S 20 T002N R009E
S 12 T001N R008E
S 29 T002N R009E
S 16 T002N R009E
S 6 T001N R009E
S 21 T002N R009E
S 7 T001N R009E
S 32 T002N R009E
S 28 T002N R009E
S 15 T002N R009E
S 5 T001N R009E
S 33 T002N R009E
S 22 T002N R009E
S 8 T001N R009E
S 4 T001N R009E
S 27
Maple St
Angel Rd
Lone Oak Rd
Guffey Rd
Ponderosa Rd
E3710 Rd
E1665 Rd
Peanut Rd
E1680 Rd
Farm Rd
Hogue Dr
E1650 Rd
N3725 Rd
N3730 Rd
N3740 Rd
Bridges Rd
N3733 Rd
E1670 Rd
Chriss Rd
Peach Creek
Leader Creek
Coon Creek
Singleton Blvd
Old State Hwy 3
Stonecipher Rd
Old Owl Rd
Gold Rd
E1645 Rd
E1640 Rd
N3750 Rd
N3730
38kV
0 1,000 2,000 4,000 6,000
Feet

**Legend**

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

**Electric Lines**

Voltage
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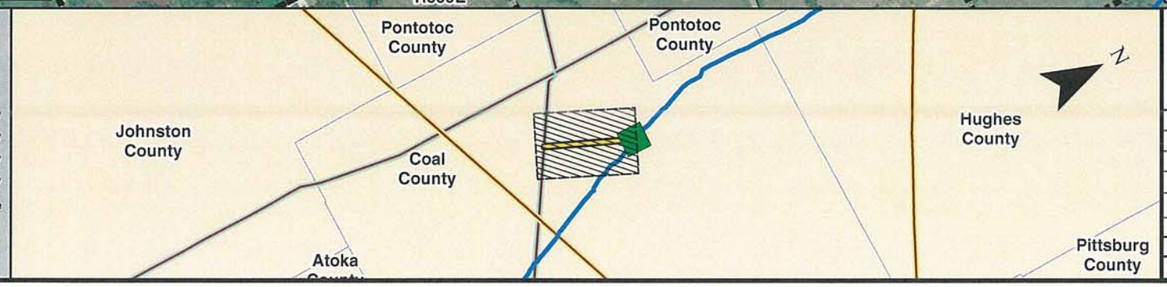


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
COAL COUNTY, OKLAHOMA
PS-34

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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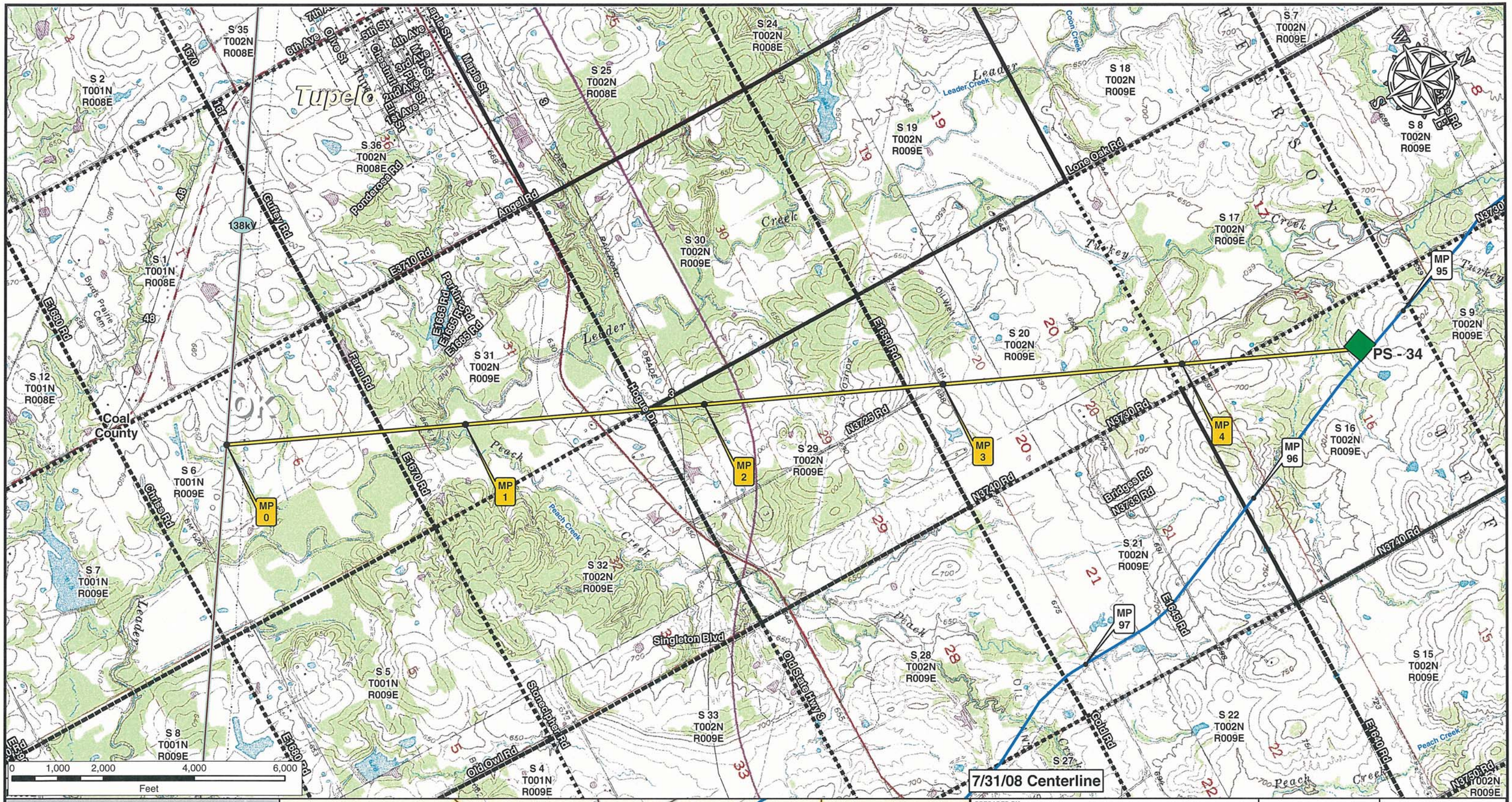


**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
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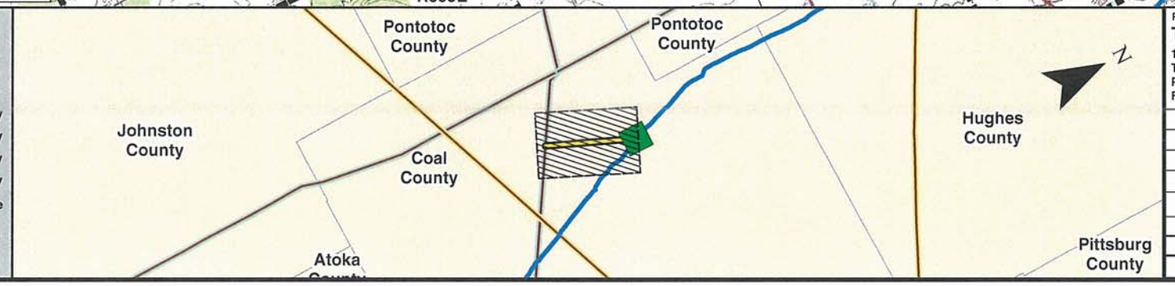


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ConocoPhillips | TransCanada — In business to deliver

KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
COAL COUNTY, OKLAHOMA
PS-34

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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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 - 35

**7/31/08 Centerline**

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Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
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| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: **COVER SHEET**

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## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
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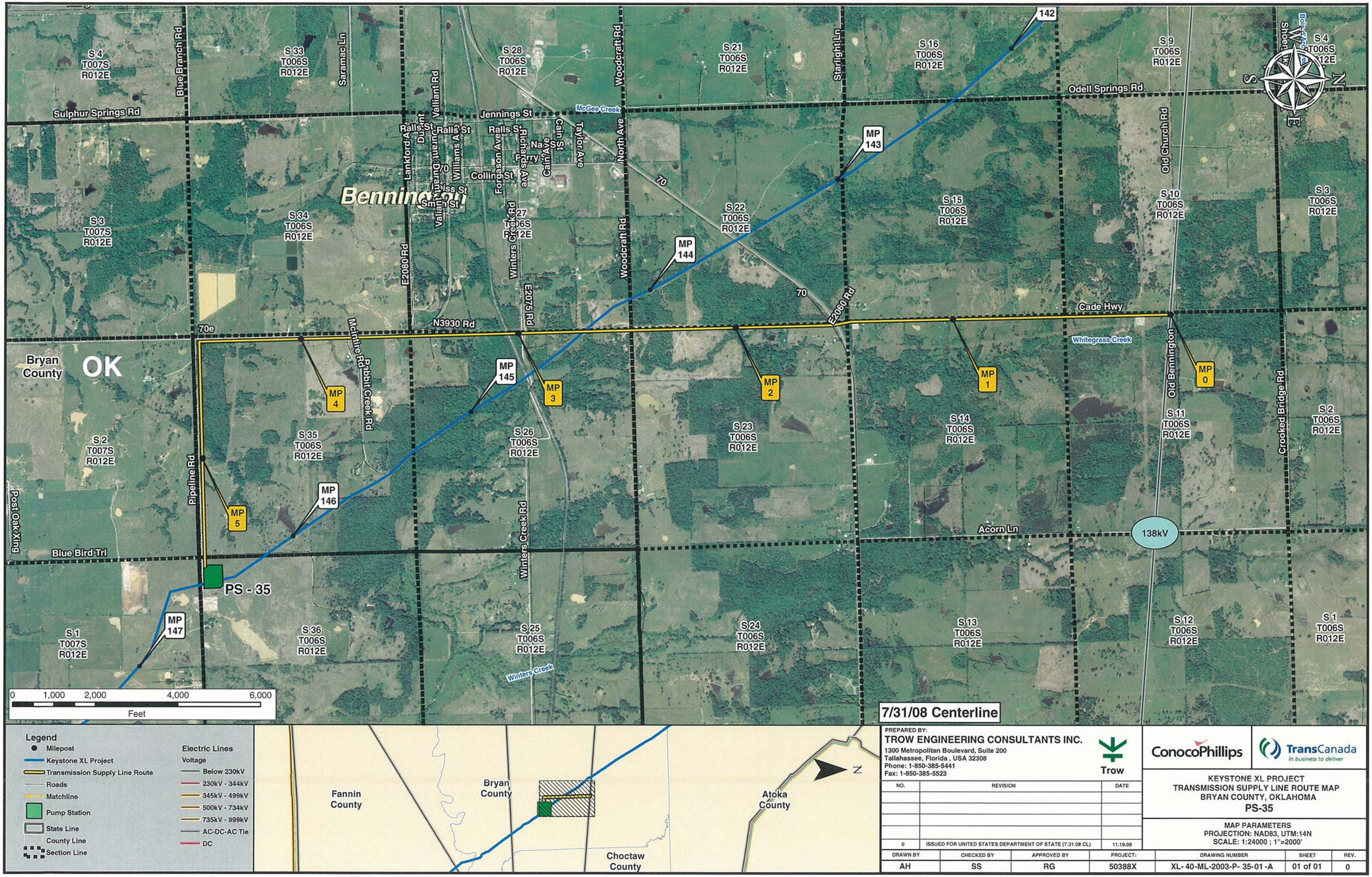


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# KEYSTONE XL PROJECT
## TRANSMISSION SUPPLY LINE ROUTE MAP
## BRYAN COUNTY, OKLAHOMA
## PS-35

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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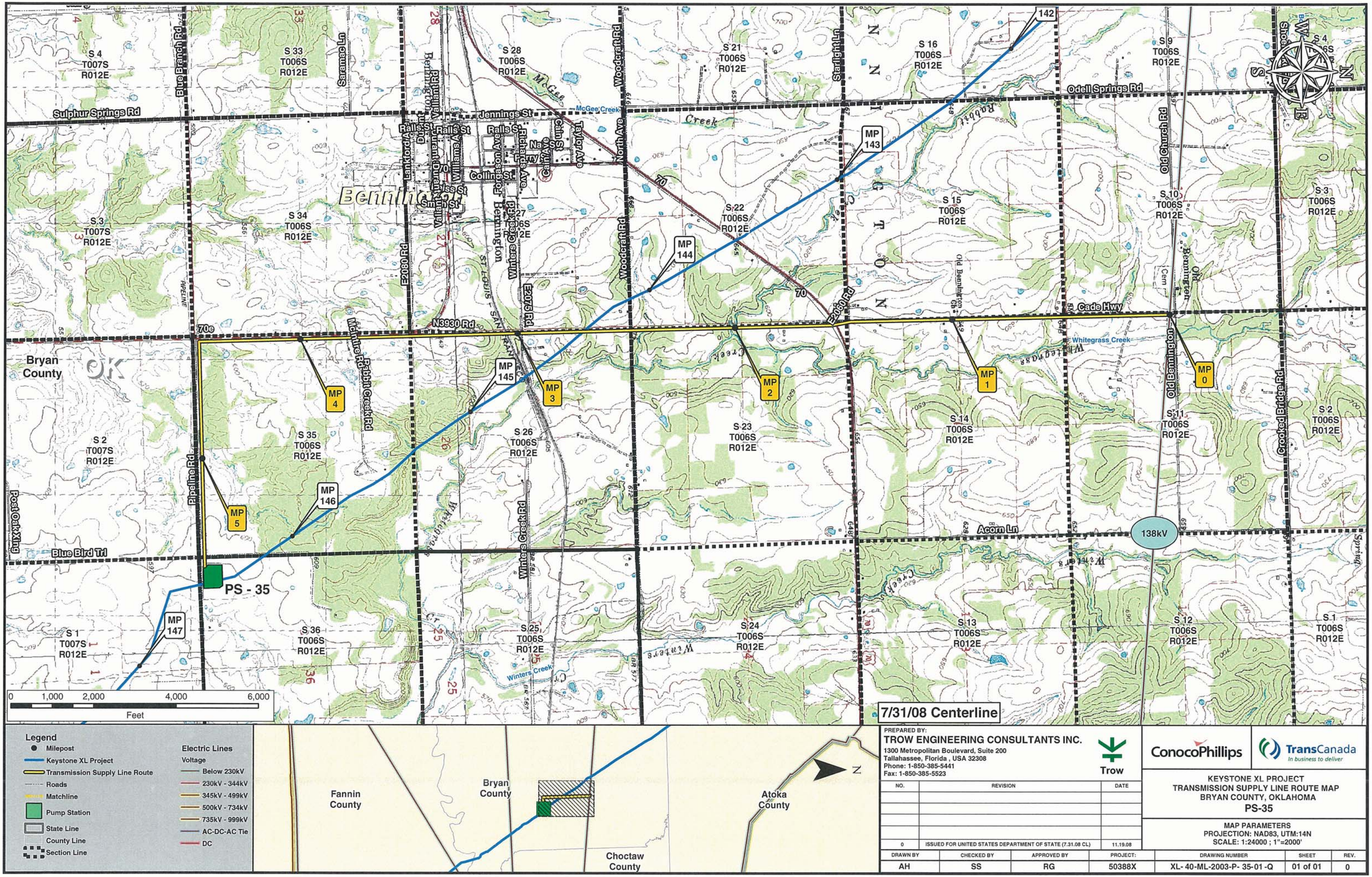
| AH | SS | RG | 50388X | XL-40-ML-2003-P-35-01-A | 01 of 01 | 0 |

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
BRYAN COUNTY, OKLAHOMA
**PS-35**

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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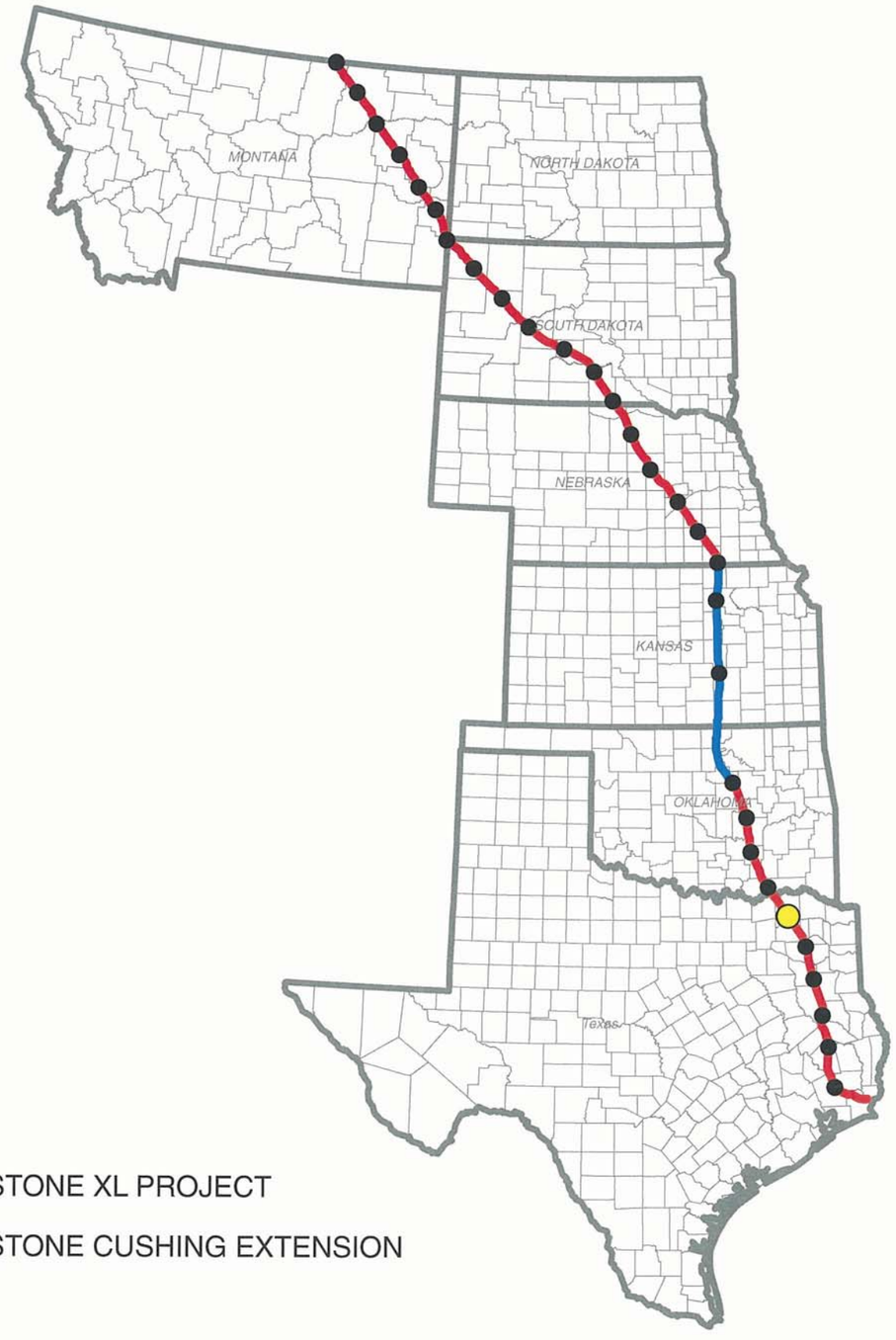
| AH | SS | RG | 50388X | XL- 40-ML-2003-P- 35-01 -Q | 01 of 01 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 36




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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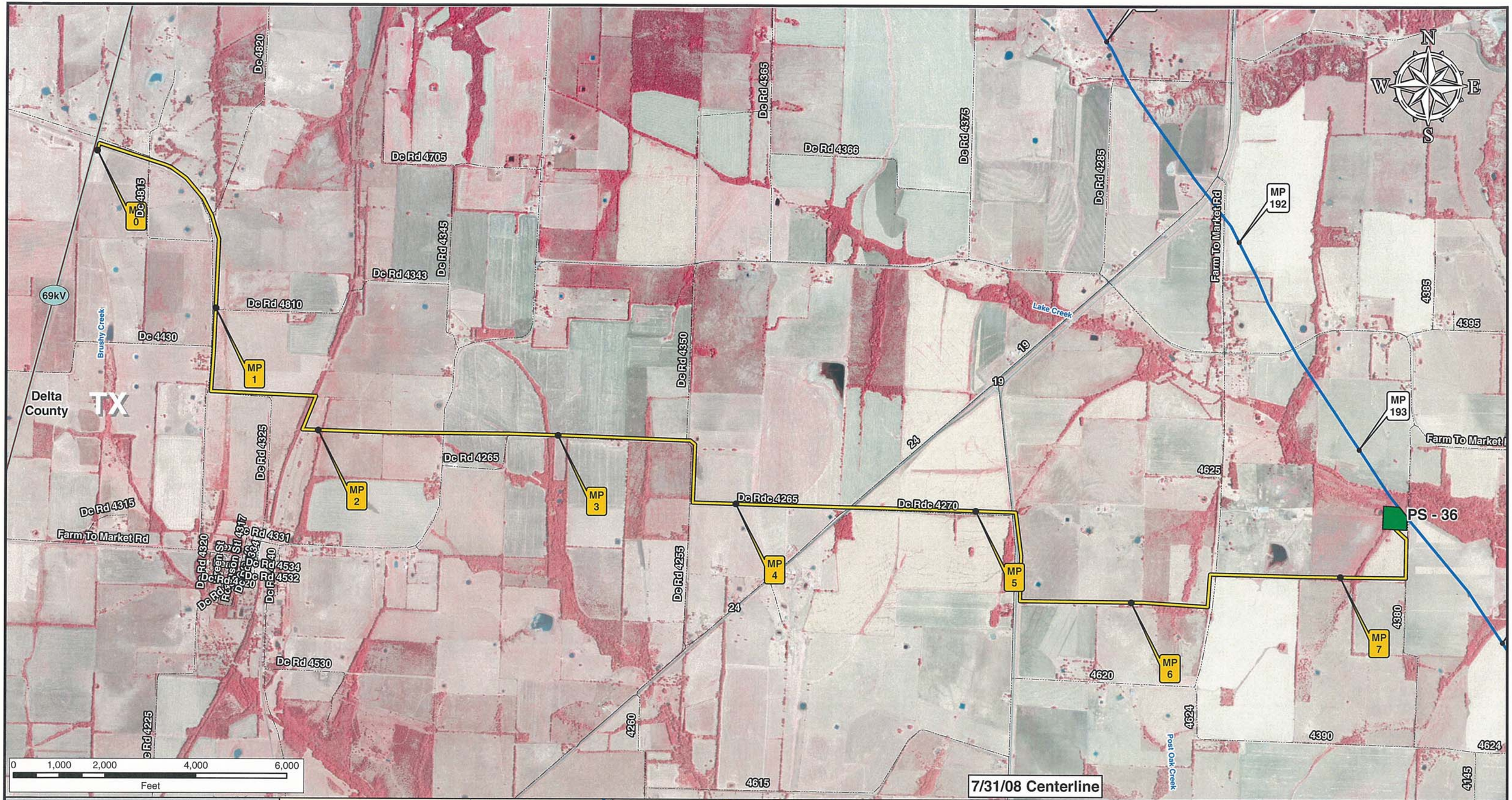
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |




**Legend**

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

**Electric Lines**
Voltage

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

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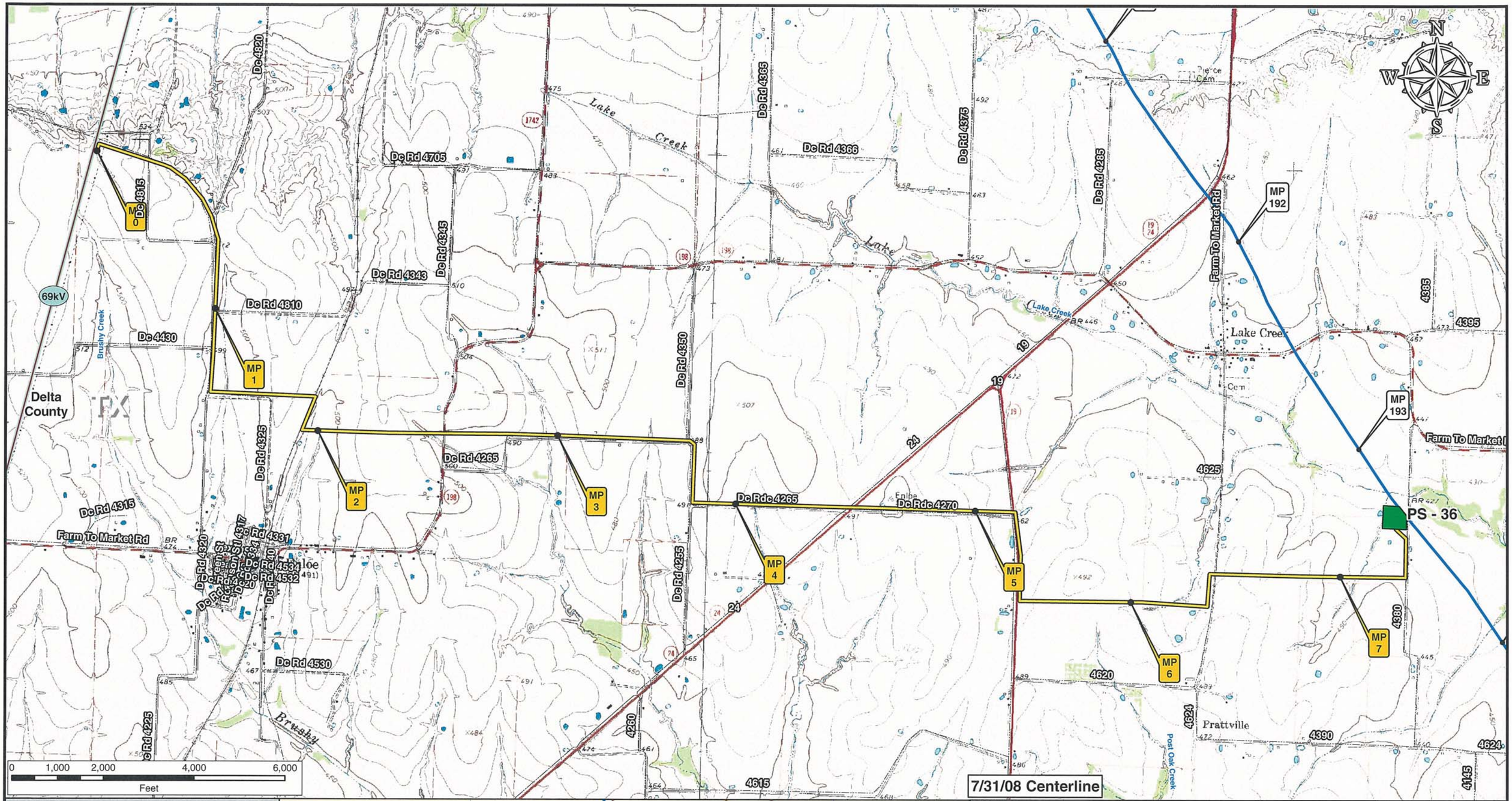
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
DELTA COUNTY, TEXAS
**PS-36**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 36-01 -A | 01 of 01 | 0 |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
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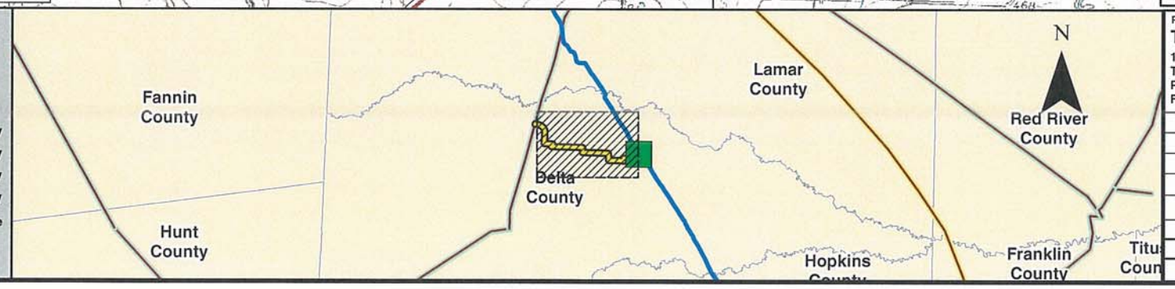



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
DELTA COUNTY, TEXAS
PS-36

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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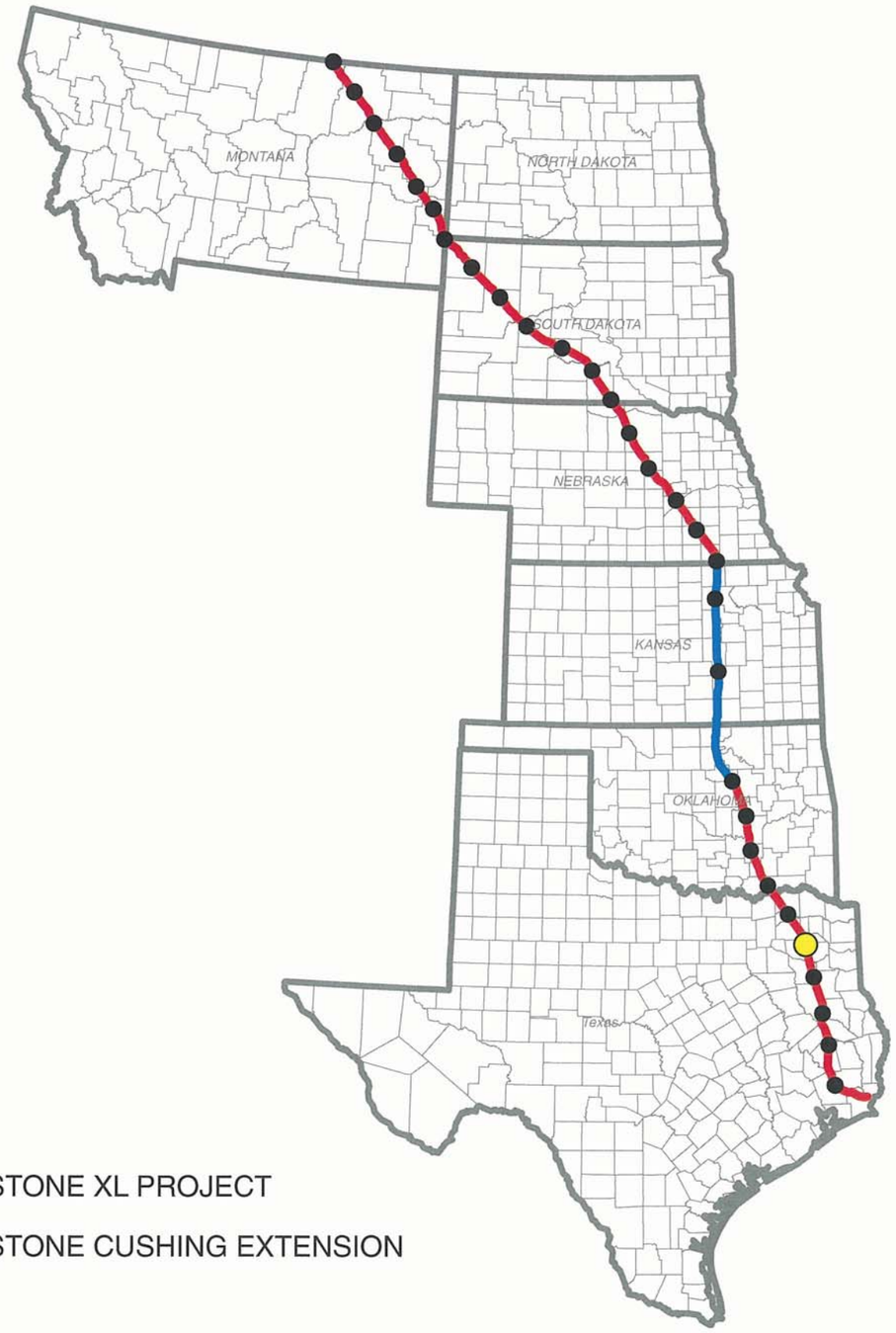
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 36-01 -Q | 01 of 01 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 37




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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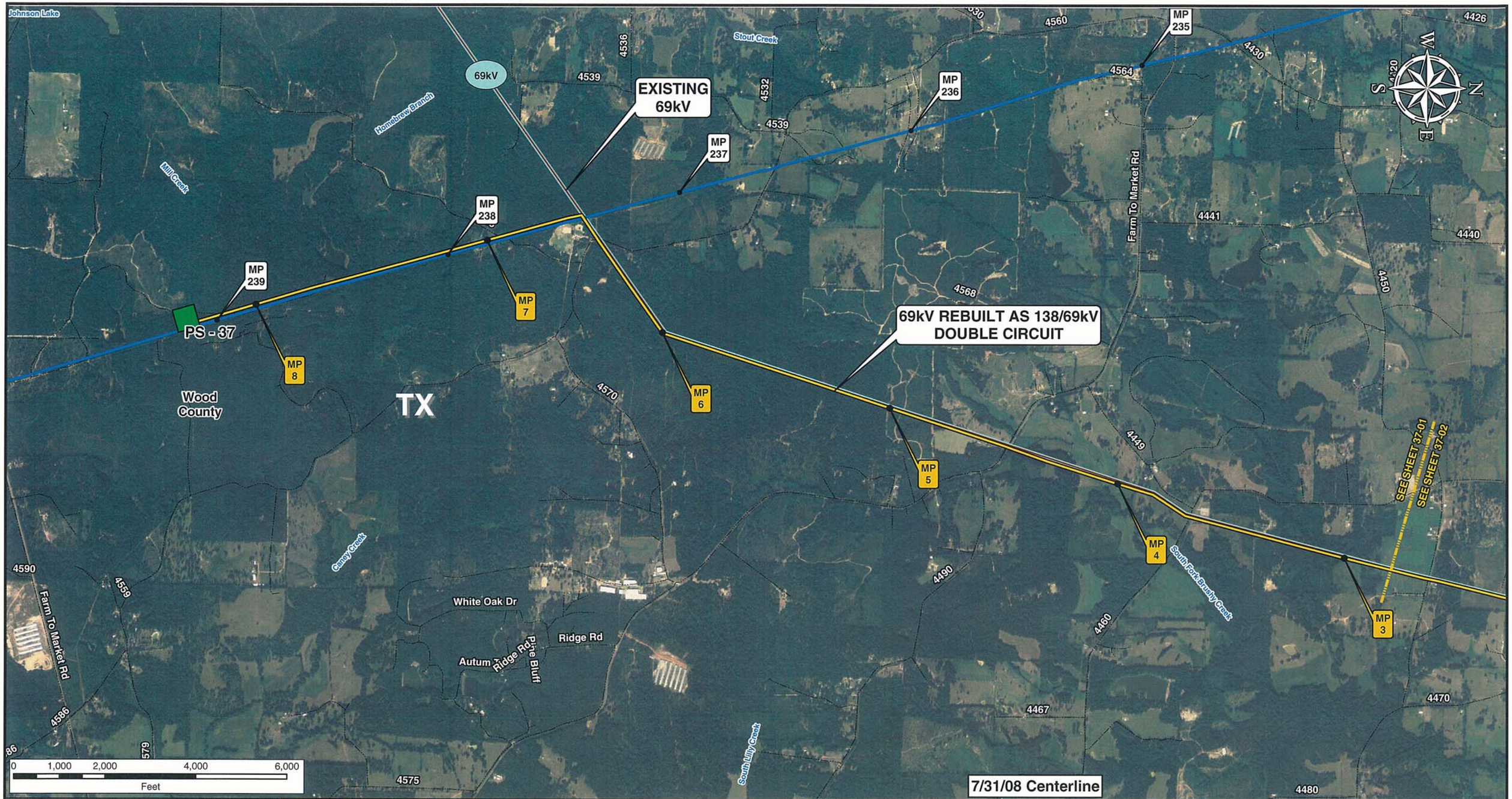
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |



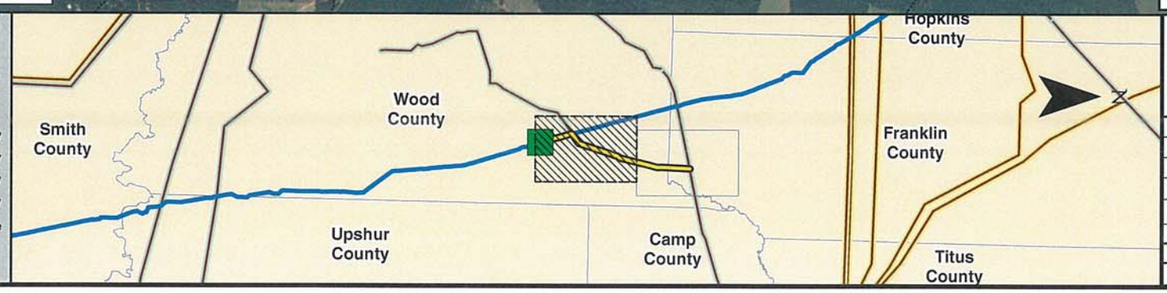

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County 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
WOOD COUNTY, TEXAS
**PS-37**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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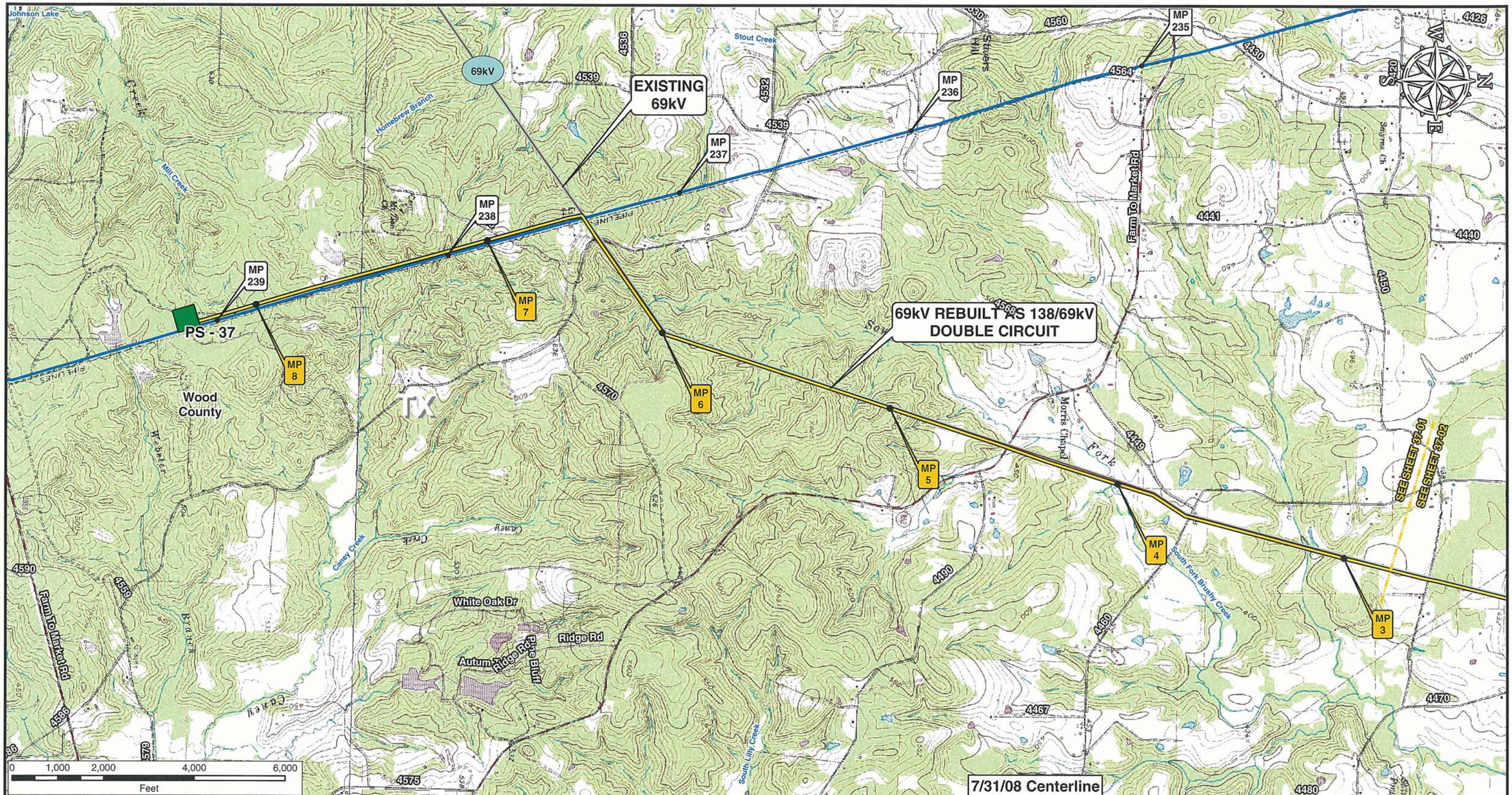
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 37-01 -A | 01 of 02 | 0 |



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
WOOD COUNTY, TEXAS
**PS-37**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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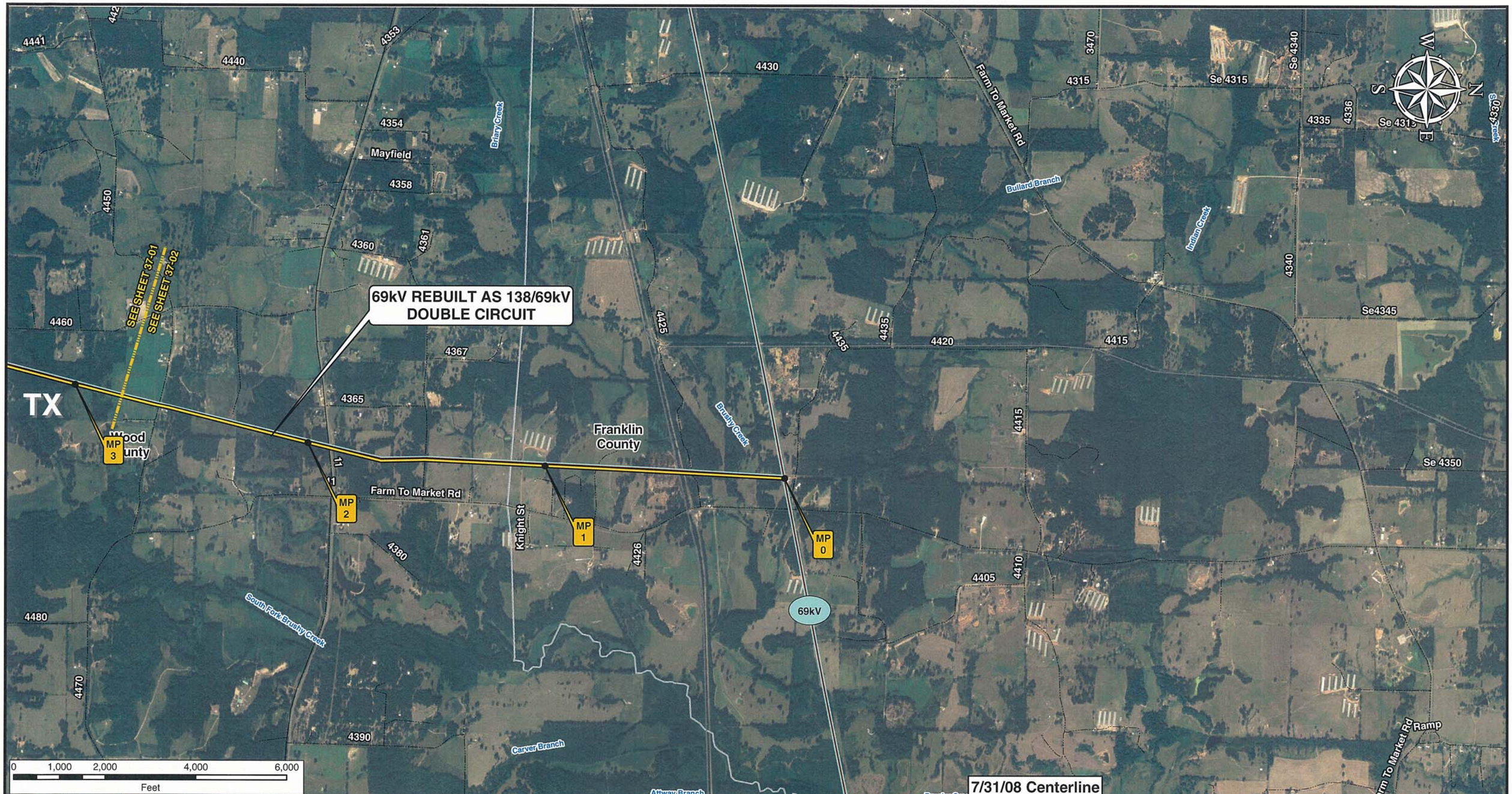


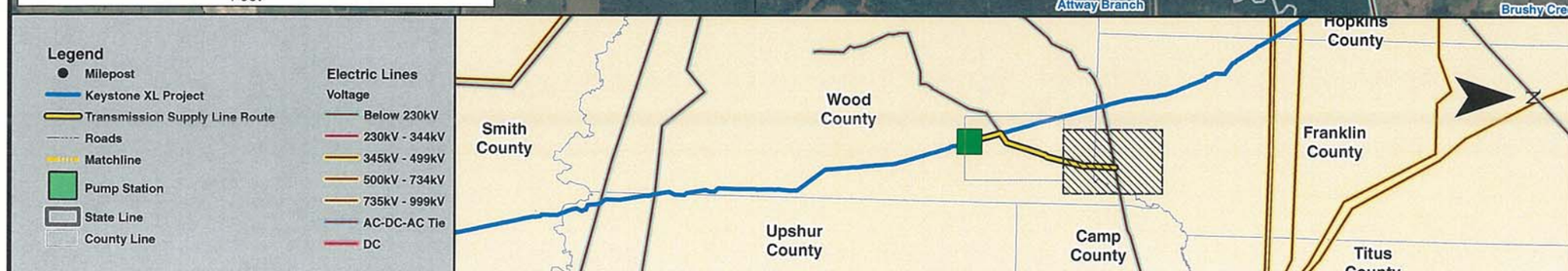


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
WOOD/FRANKLIN COUNTY, TEXAS
PS-37

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 37-02 -A | 02 of 02 | 0 |

69kV REBUILT AS 138/69kV
DOUBLE CIRCUIT

SEE SHEET 37-01

SEE SHEET 37-02

MP 3

MP 2

MP 1

MP 0

69kV

Franklin
County

Wood
County

Mayfield

Farm To Market Rd

Knight St

Binary Creek

Brushy Creek

South Fork Brushy Creek

Carver Branch

Attway Branch

Bullard Branch

Clearwater

Indian Creek

LOUISIANA

TEXAS

Hopkins County

Smith County

Upshur County

Camp County

Titus County

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

7/31/08 Centerline

**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
- Pump Station
- State Line
- County 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
WOOD/FRANKLIN COUNTY, TEXAS
**PS-37**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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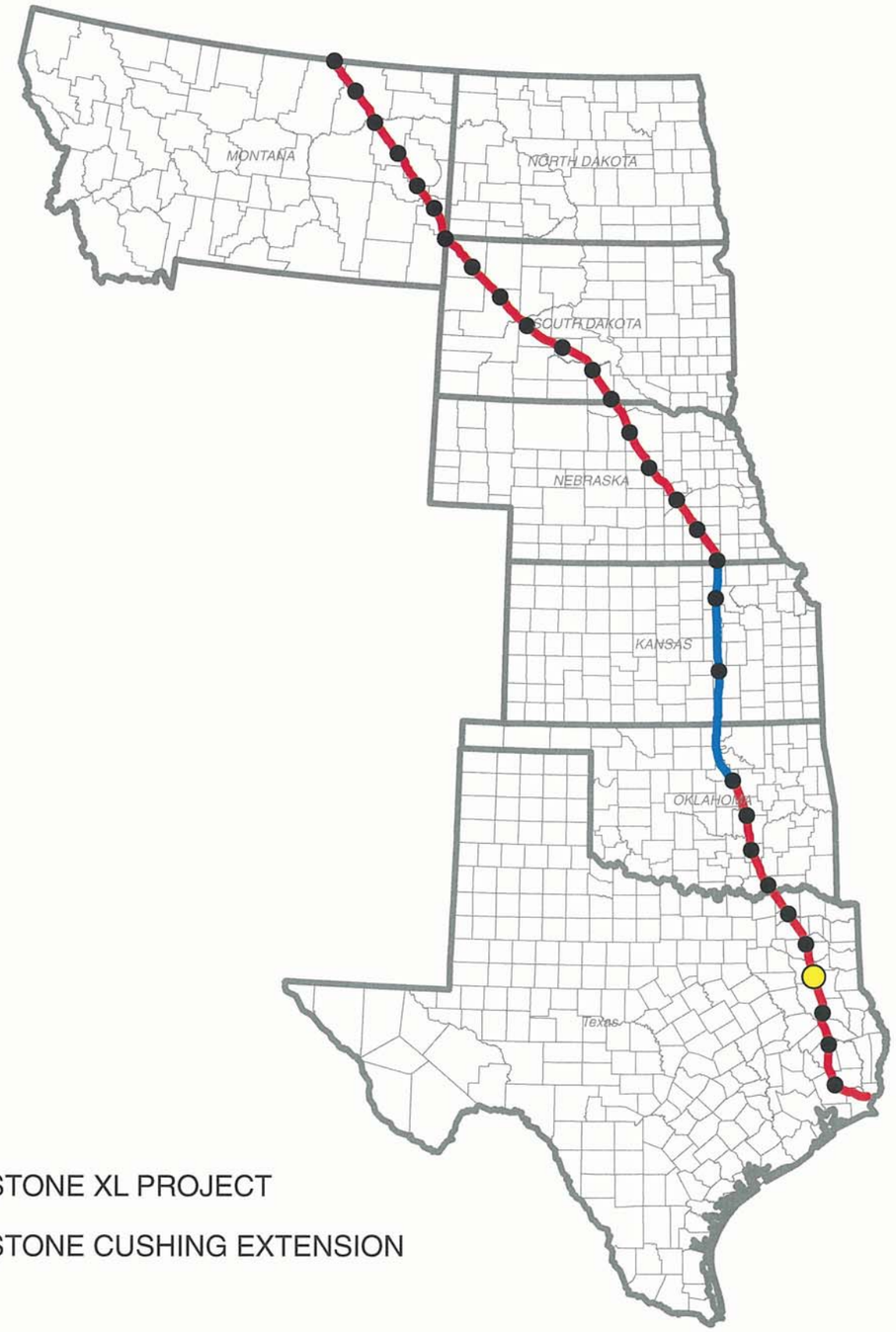


# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 38

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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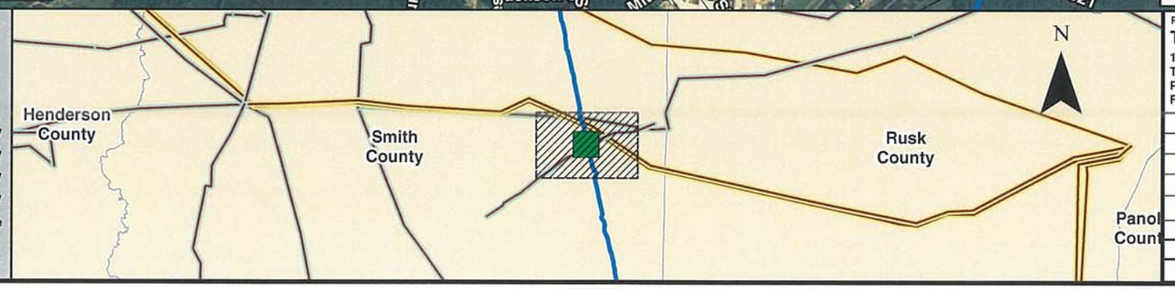
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |




**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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- 500kV - 734kV
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
SMITH COUNTY, TEXAS
PS-38

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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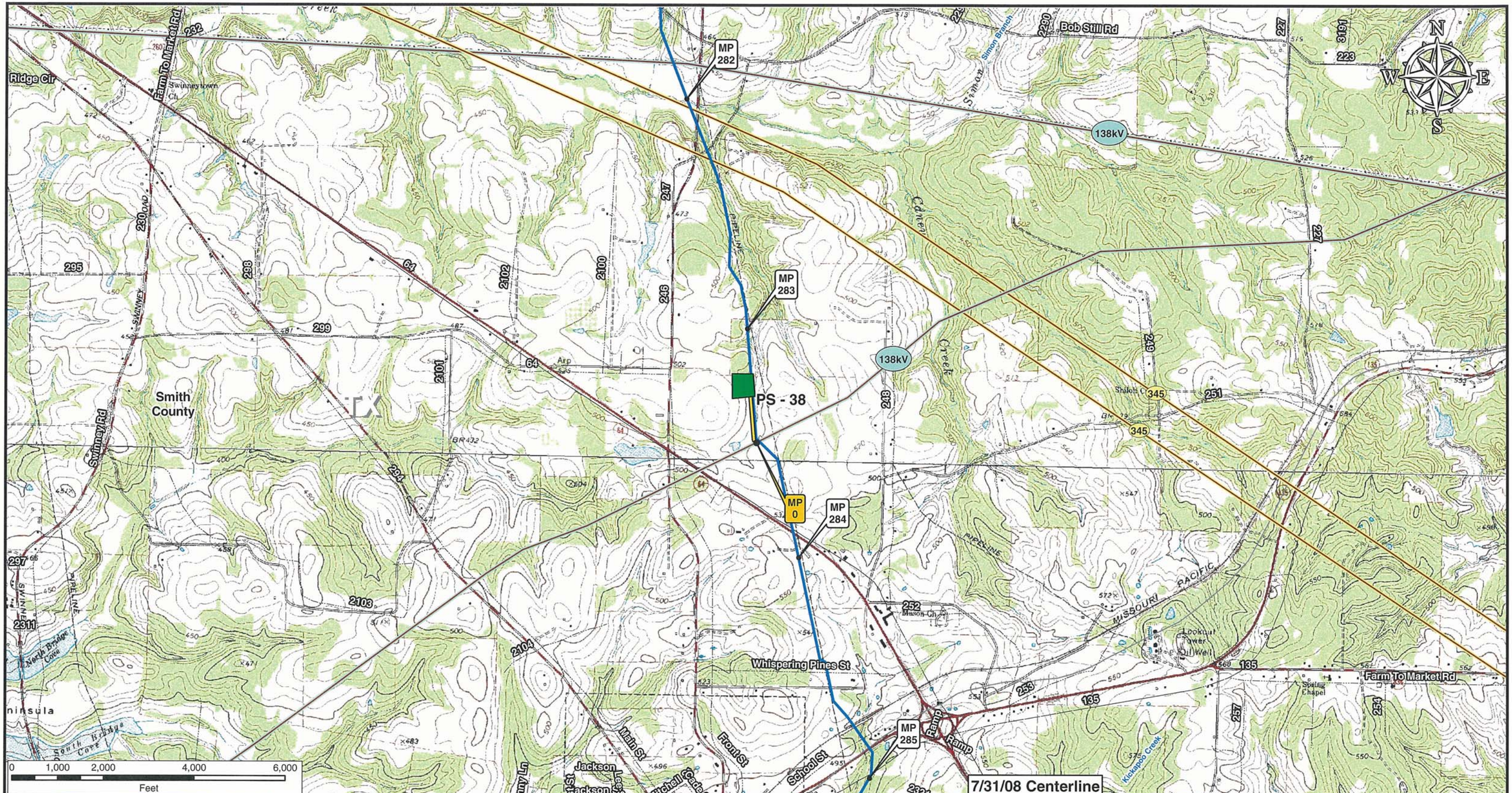


**Legend**

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Roads
- Matchline
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- County Line

**Electric Lines**

Voltage

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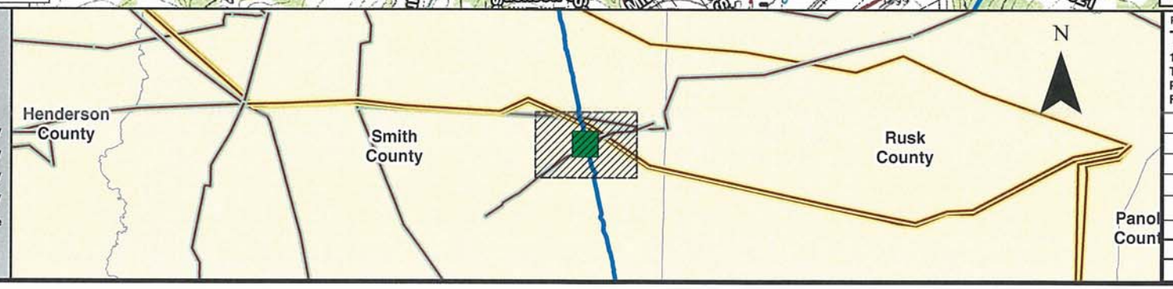
- DC

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
SMITH COUNTY, TEXAS
**PS-38**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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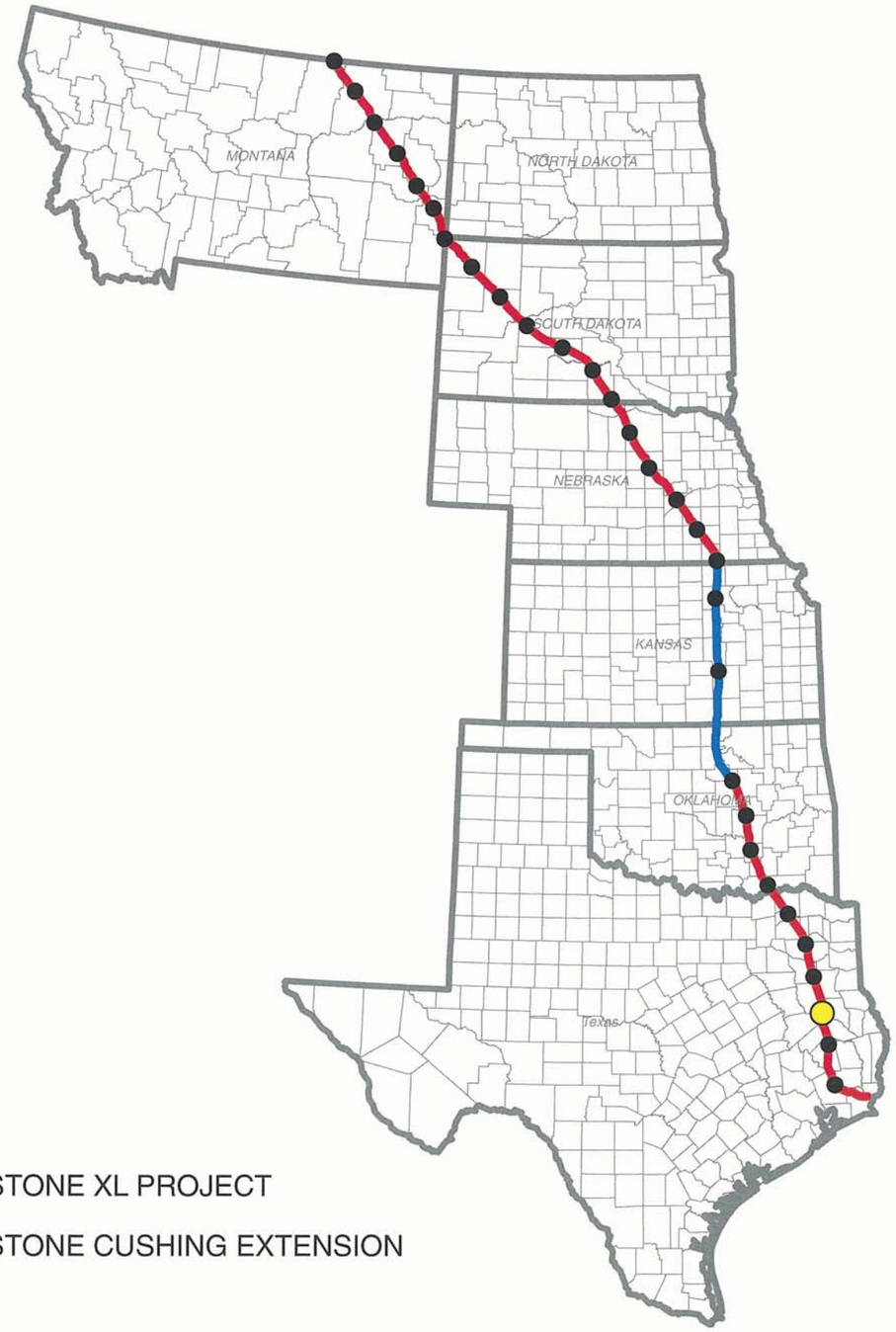
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 38-01 -Q | 01 of 01 | 0 |

# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 39




KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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## NOVEMBER 19, 2008
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| DRAWING NUMBER | DRAWN BY | CHECKED BY | APPROVED BY |
|---|---|---|---|
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |

KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

PS - 39

MP 333

MP 9

MP 334

MP 8

MP 335

MP 7

MP 6

MP 5

MP 4

MP 3

Nacogdoches County

Cherokee County

Angelina County

TX

Angelina River

Farm To Market Rd

Wide Rd

Stokes Creek

Doyle Creek

SEE SHEET 39-02
SEE SHEET 39-01

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

7/31/08 Centerline

Legend

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

Electric Lines

Voltage

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

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1300 Metropolitan Boulevard, Suite 200
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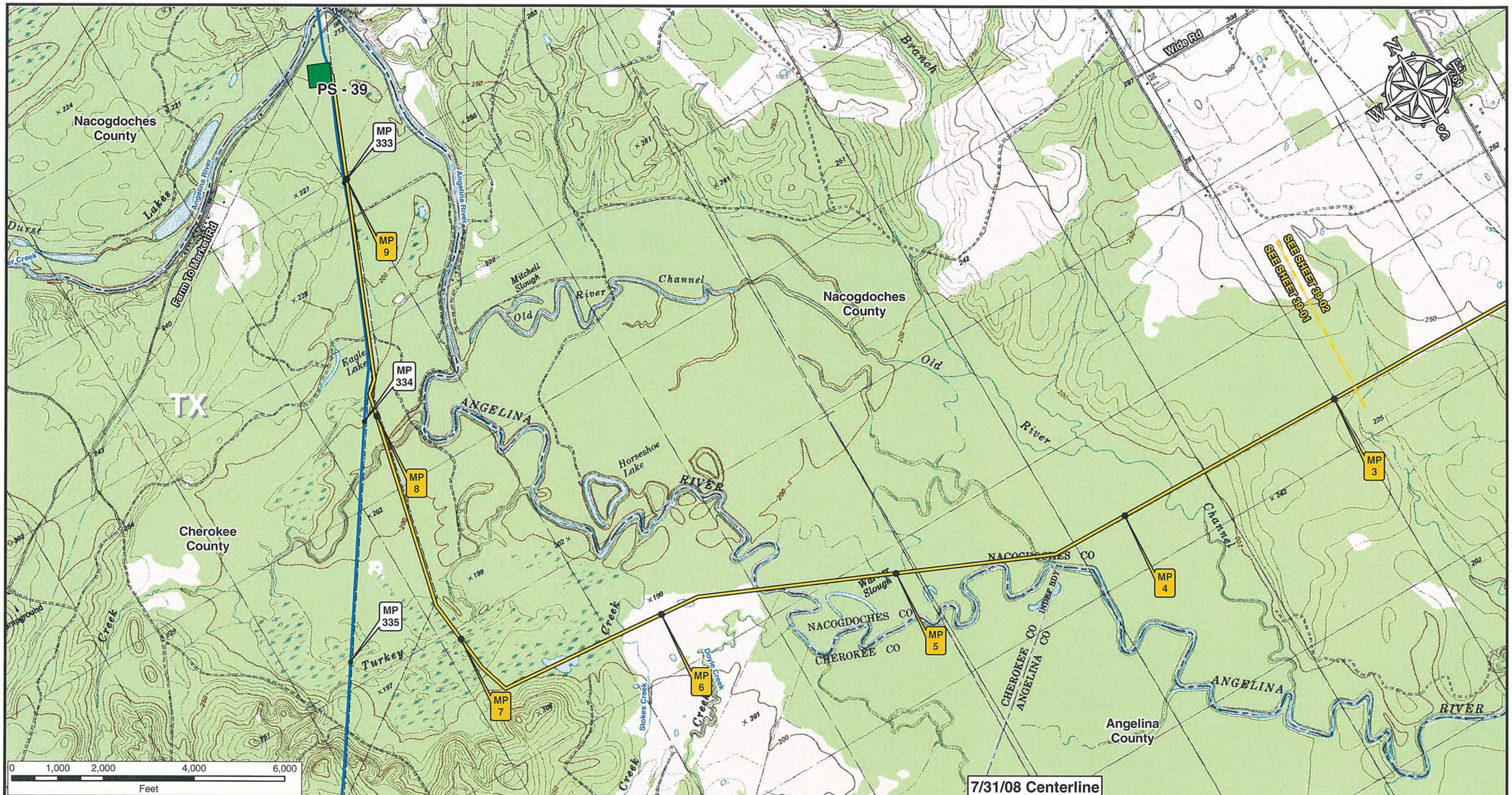
KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
CHEROKEE COUNTY, TEXAS
PS-39

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 39-01 -A | 01 of 02 | 0 |



**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
CHEROKEE COUNTY, TEXAS
PS-39

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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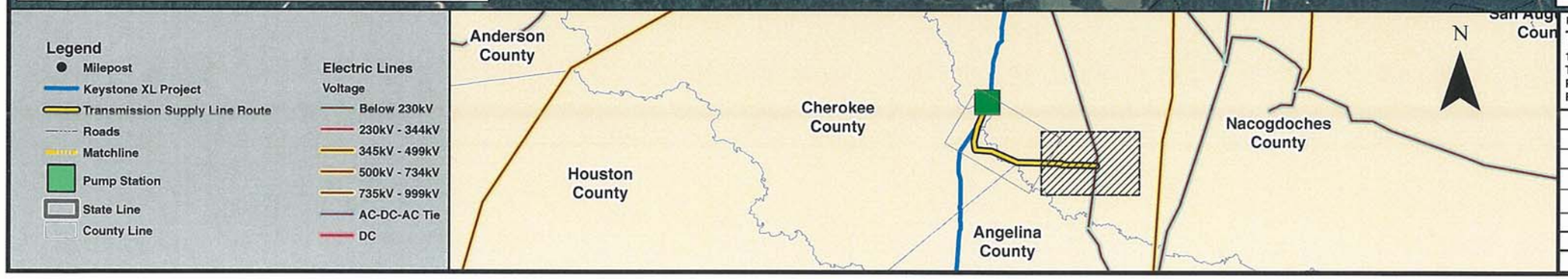
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 39-01 -Q | 01 of 02 | 0 |

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
NACOGDOCHES COUNTY, TEXAS
PS-39

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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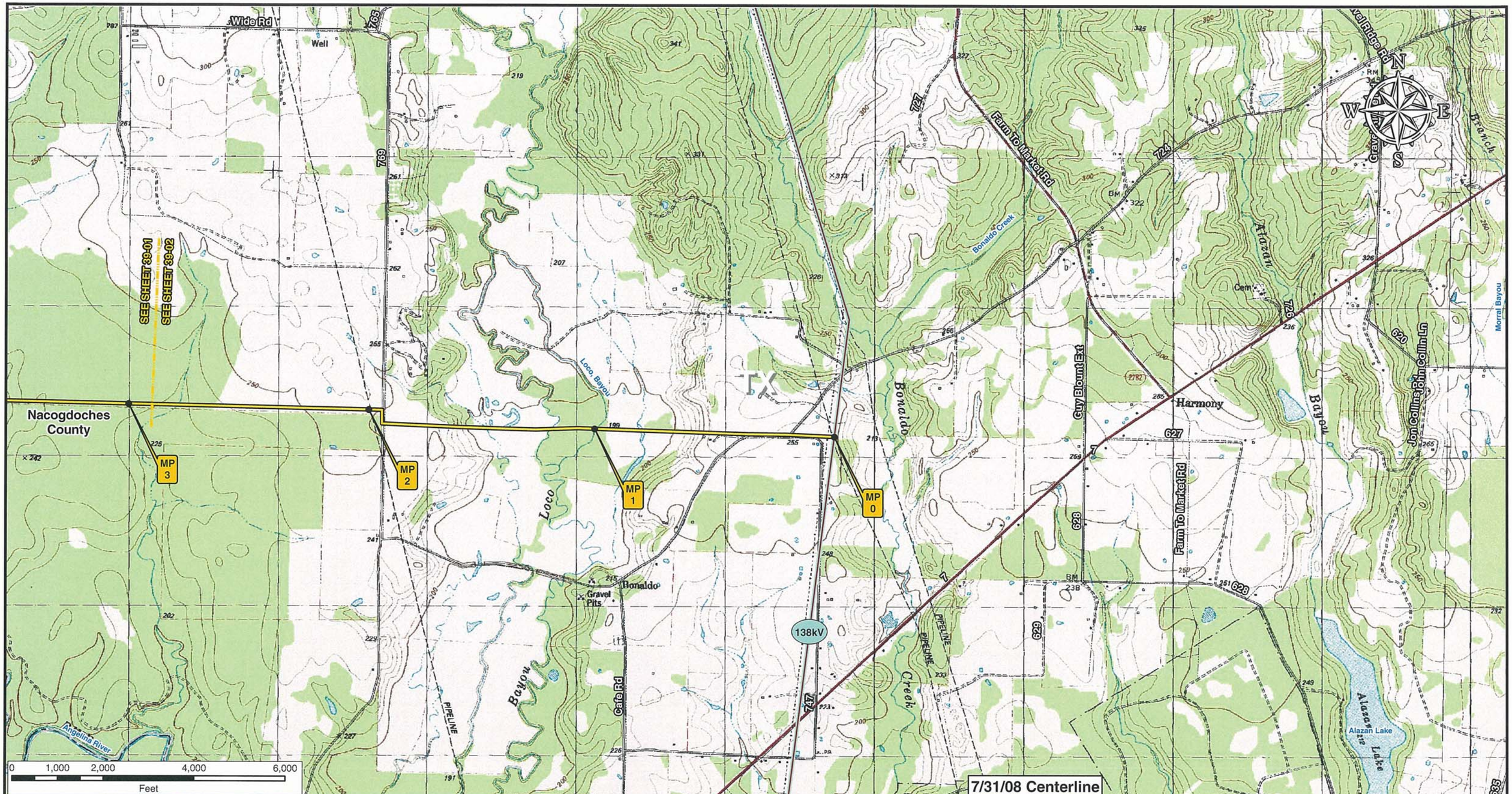


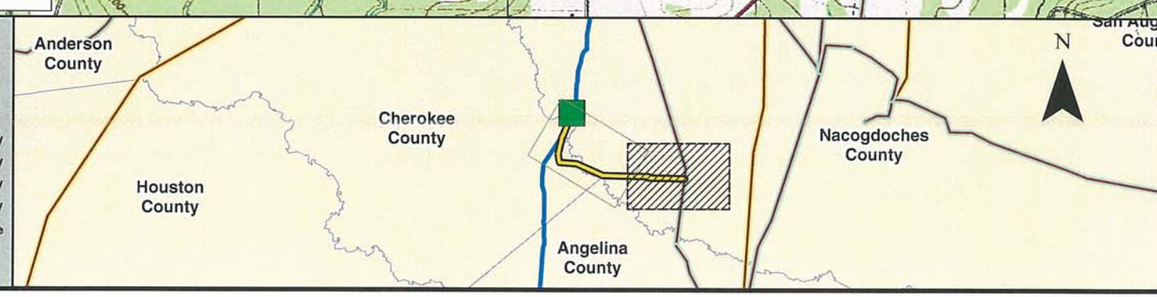


**Legend**

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

**Electric Lines**

Voltage

- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
NACOGDOCHES COUNTY, TEXAS
PS-39

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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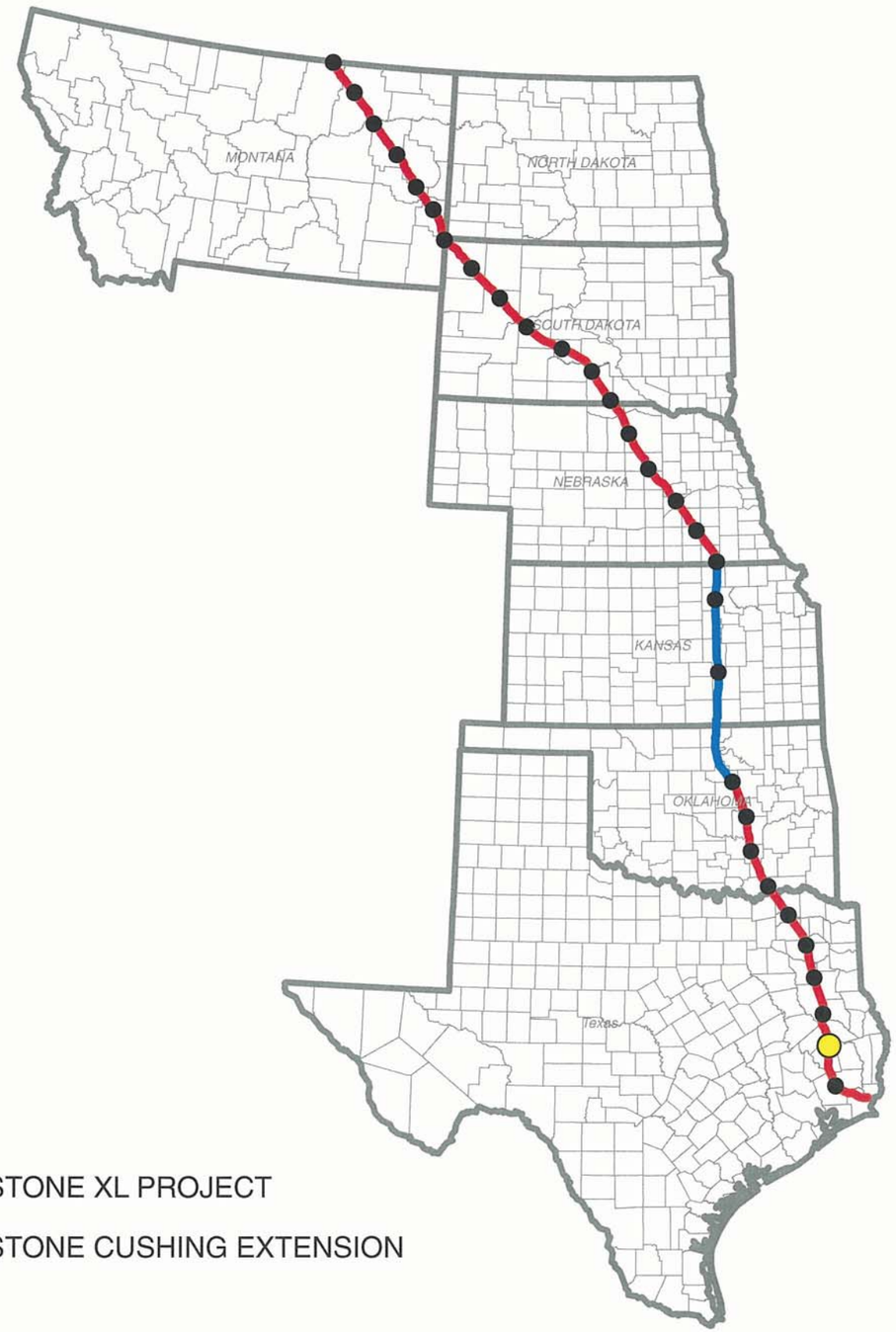
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 39-02 -Q | 02 of 02 | 0 |




# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 40

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

**7/31/08 Centerline**

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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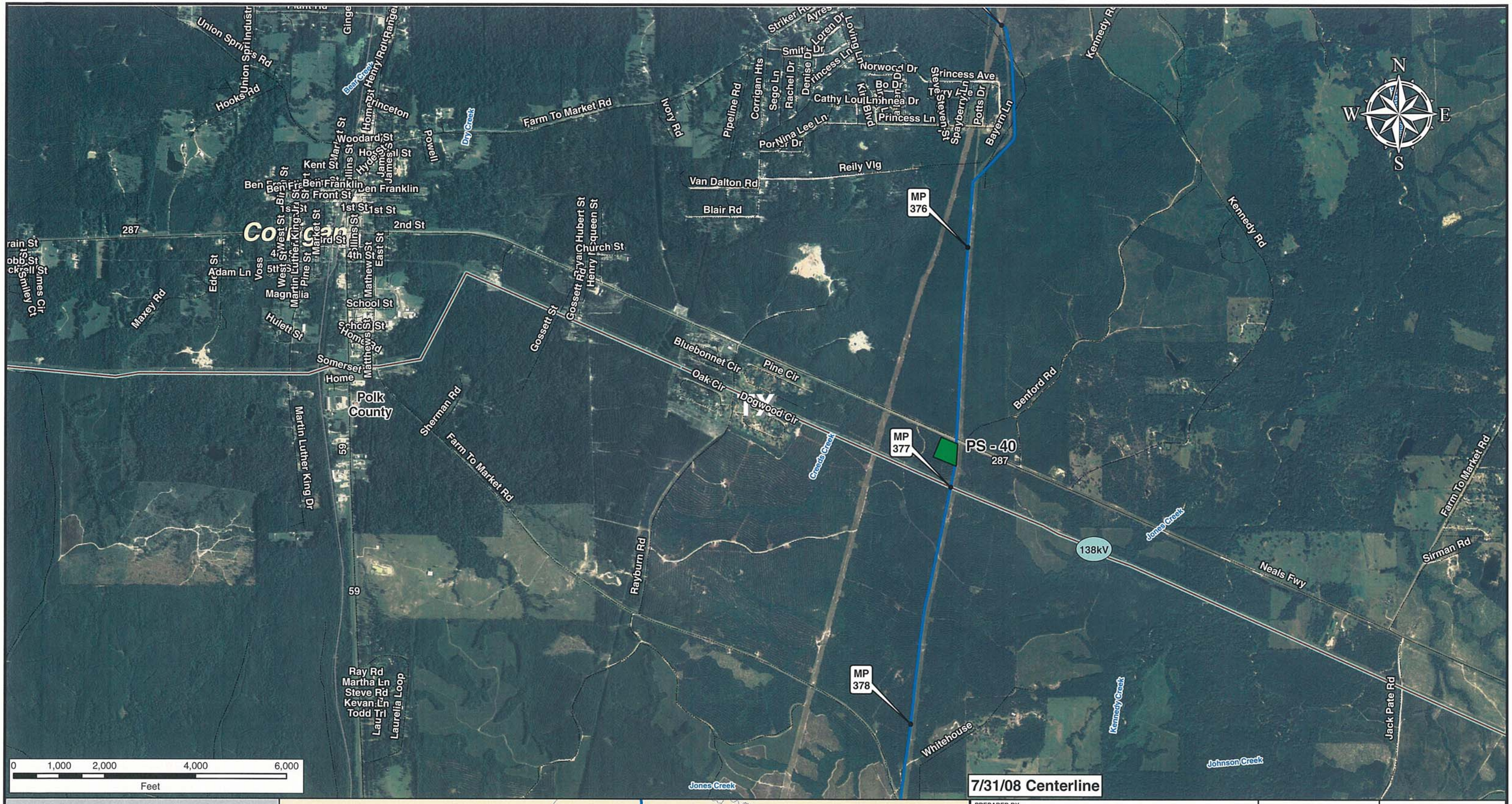
| XL-FIPS-ML-2003-P-000 | GS | SS | RG |




**Legend**

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

**Electric Lines**

Voltage

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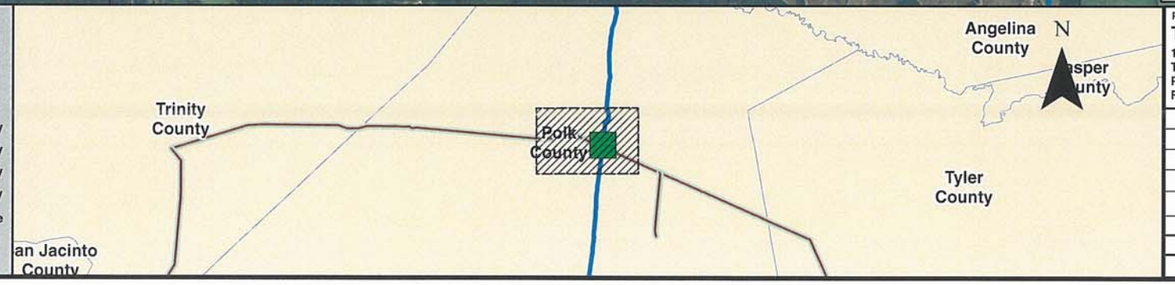


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# KEYSTONE XL PROJECT
## TRANSMISSION SUPPLY LINE ROUTE MAP
## POLK COUNTY, TEXAS
## PS-40

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
|---|---|---|---|---|---|---|
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 40-01 -A | 01 of 01 | 0 |

MP 376

MP 377

PS - 40

MP 378

138kV

7/31/08 Centerline

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

## Legend

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

**Electric Lines**
Voltage
- Below 230kV
- 230kV - 344kV
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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
POLK COUNTY, TEXAS
**PS-40**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

| DRAWN BY | CHECKED BY | APPROVED BY | PROJECT: | DRAWING NUMBER | SHEET | REV. |
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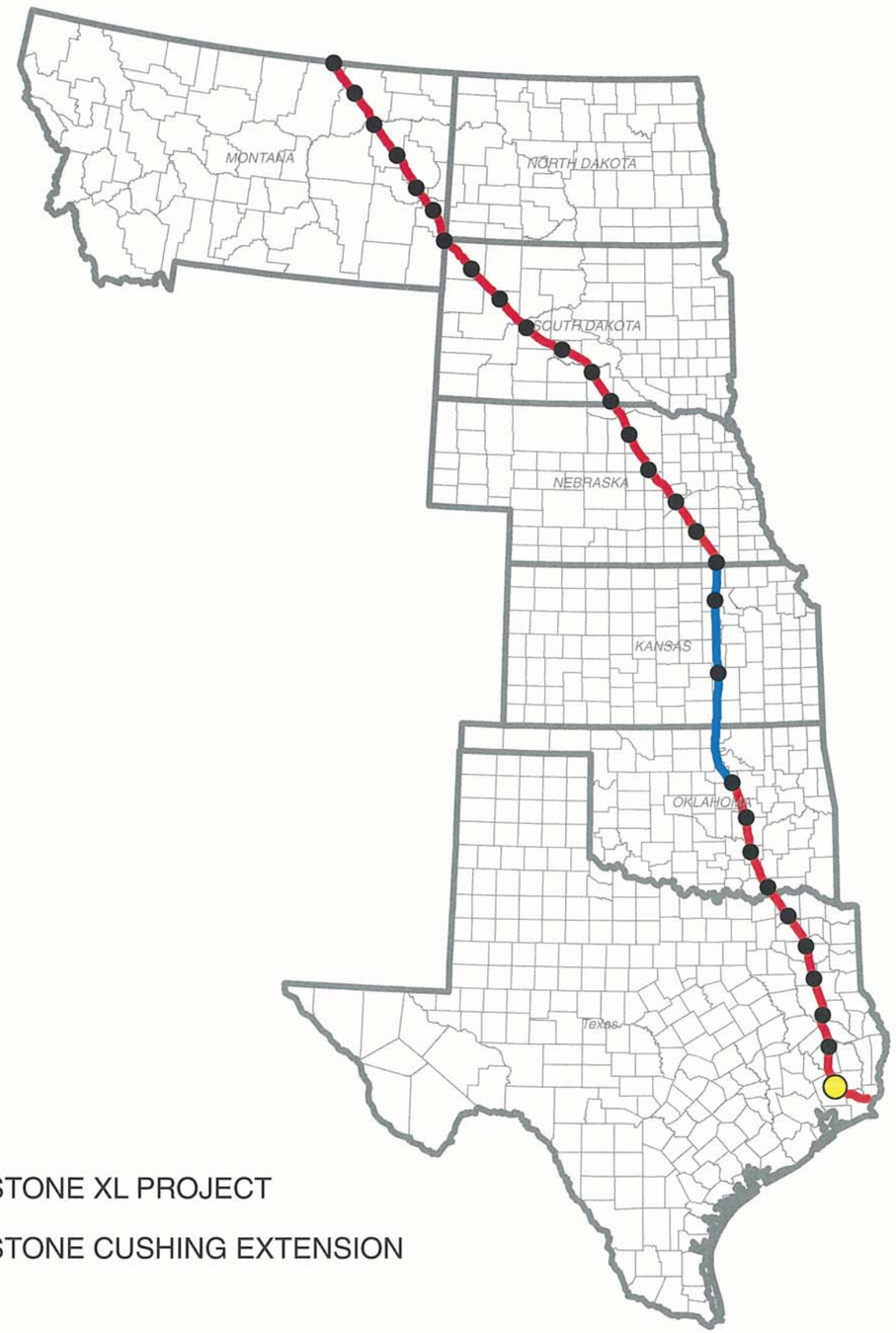
| AH | SS | RG | 50388X | XL- 48-ML-2003-P- 40-01 -Q | 01 of 01 | 0 |




# TransCanada Keystone Pipeline, L.P.
# United States Department of State
# Keystone XL Project
# Appendix B
# Powerline Aerial and
# USGS Route Sheets
# PS - 41

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

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S

## TROW ENGINEERING CONSULTANTS, INC.
## NOVEMBER 19, 2008
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**7/31/08 Centerline**

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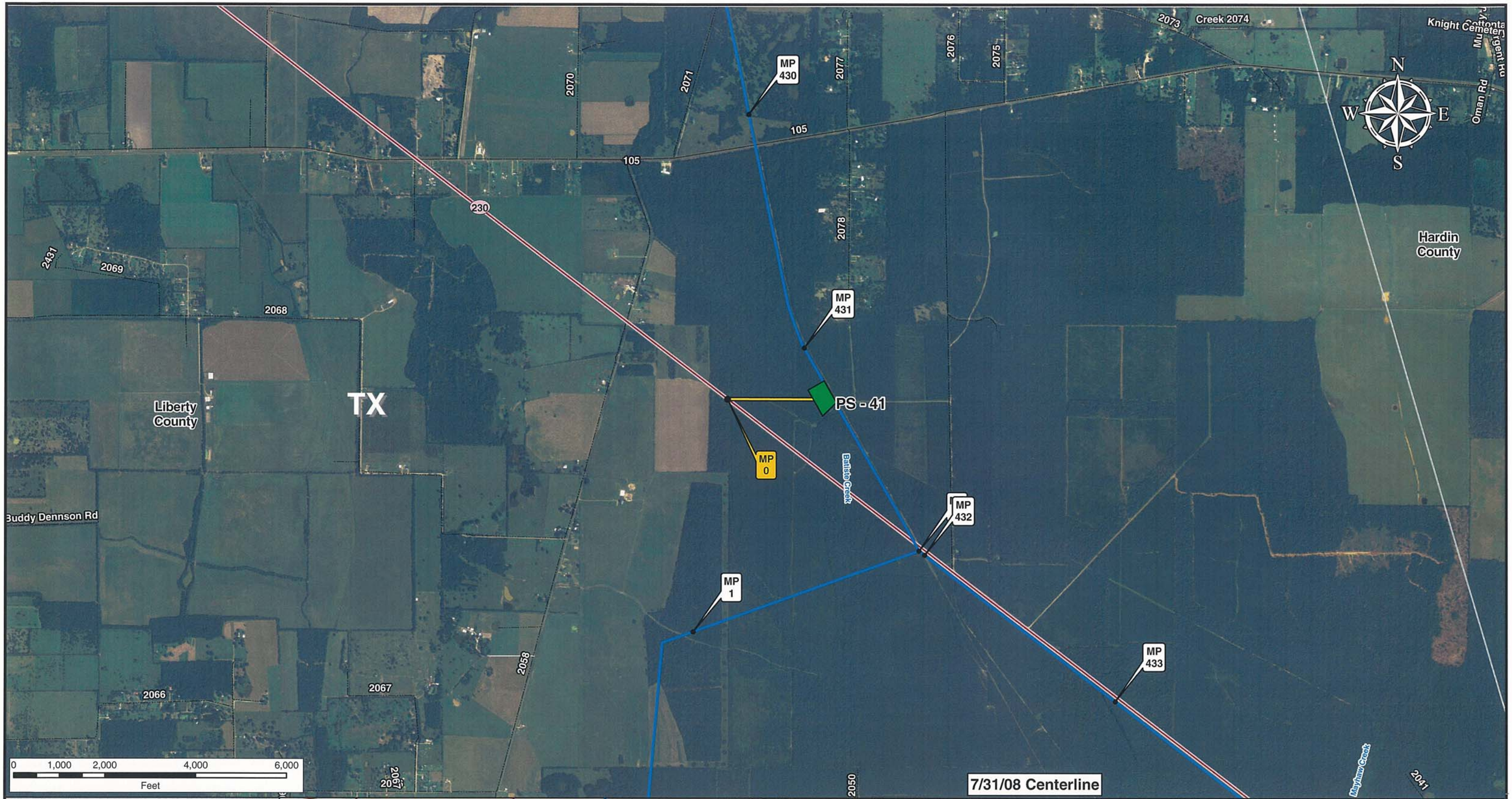
KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 15N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

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




Legend

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

Electric Lines

Voltage

- Below 230kV
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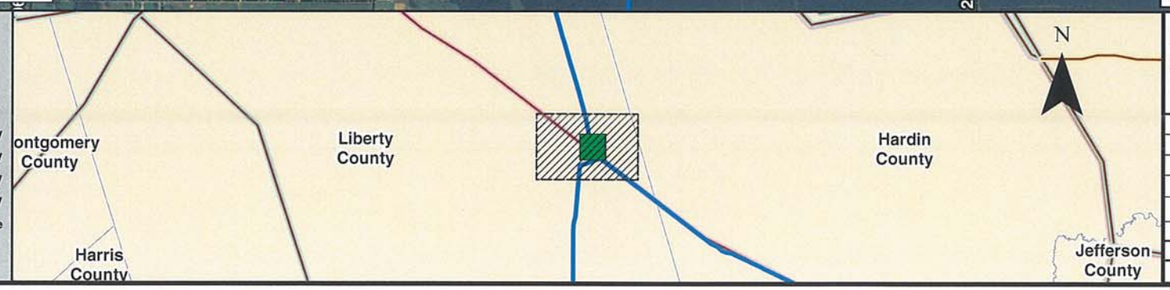


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
LIBERTY COUNTY, TEXAS
PS-41

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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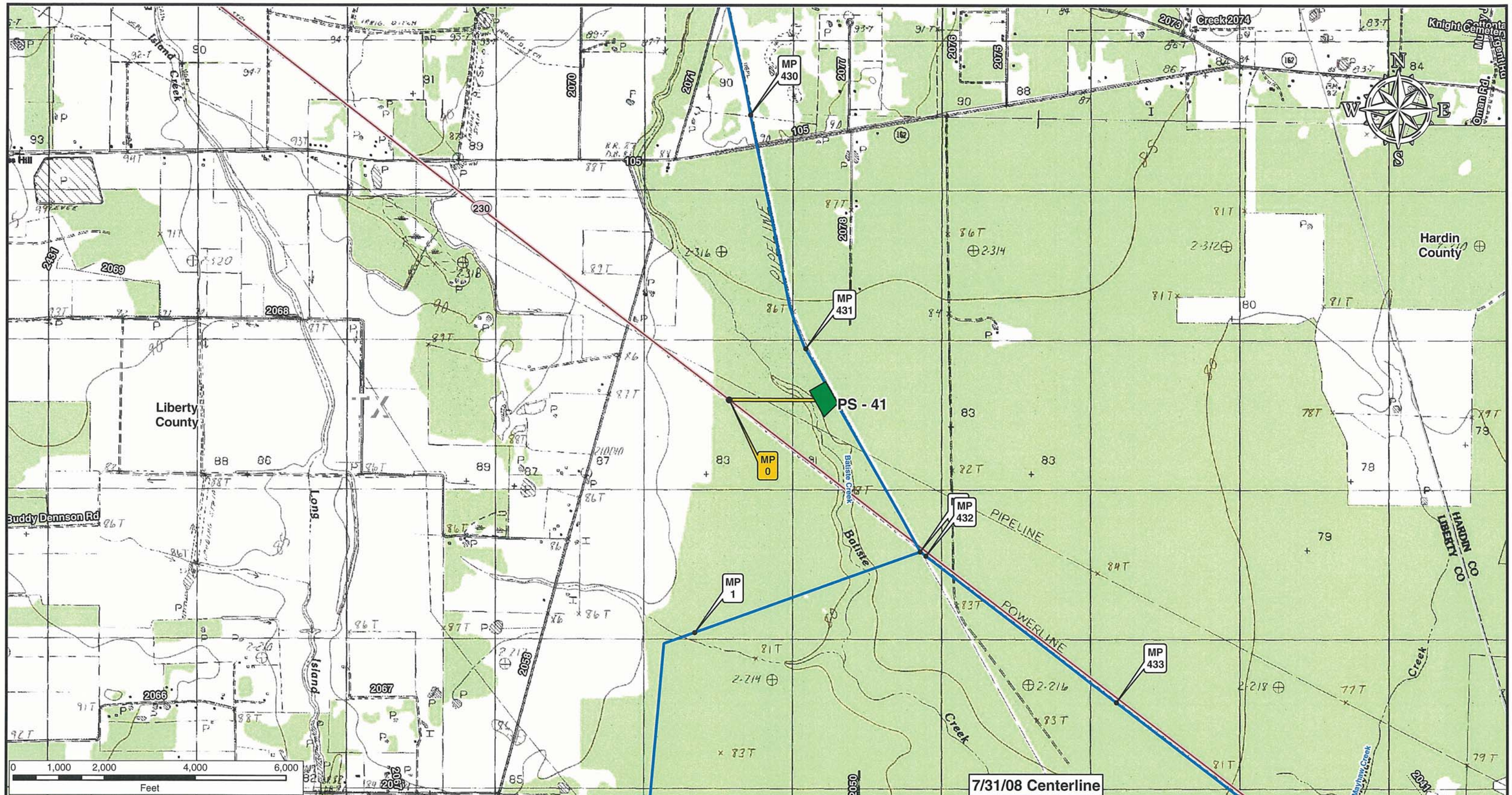


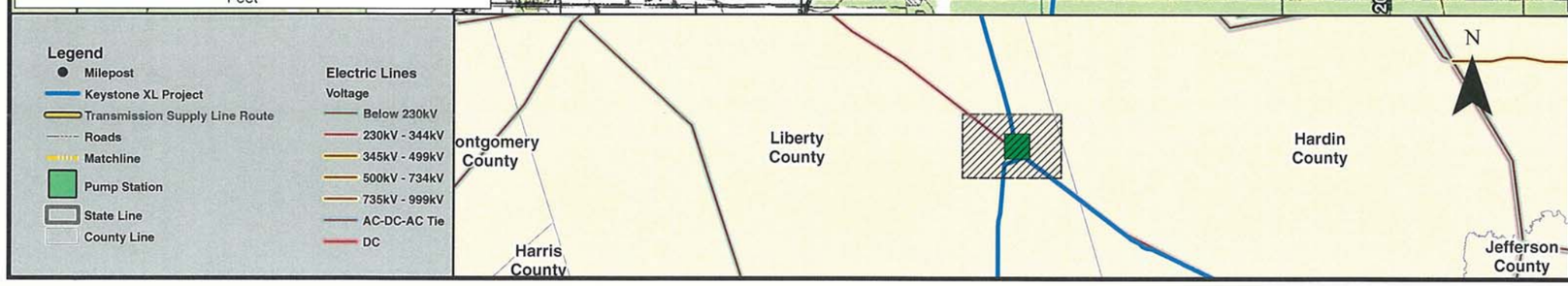


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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
LIBERTY COUNTY, TEXAS
**PS-41**

MAP PARAMETERS
PROJECTION: NAD83, UTM:15N
SCALE: 1:24000 ; 1"=2000'

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