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CANADA

MONTANA

MP: B-0
MP: A-0
MP: A1A-0

MP: A-5
MP: A1A-5
MP: B-5

MP: A-10
MP: A1A-10
MP: B-10

MP: A-15
MP: A1A-15
MP: B-15

A

A1A

B

Pea Lake

Salsbery Reservoir

Fjeldheim Reservoir

Haukas Coulee

Dunham Coulee

East Fork Whitewater Creek

Stinky Creek

Gottonwood Creek

Sand Creek

Thoeny Hills

Landing Strips

Kennedy Coulee

Stedman Coulee

Horse Coulee

Deadman Coulee

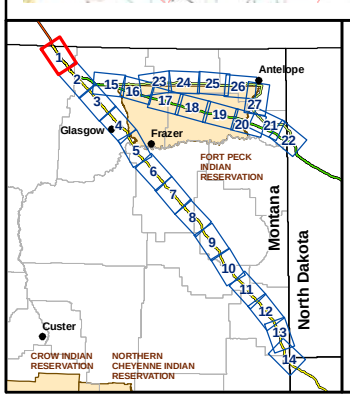
Big Toe Trail

Jeep Trail

Phillips County

Valley County

T 37 N - R 31 E
T 37 N - R 32 E
T 37 N - R 33 E
T 37 N - R 34 E
T 36 N - R 31 E
T 36 N - R 32 E
T 36 N - R 33 E
T 36 N - R 34 E
T 35 N - R 32 E
T 35 N - R 33 E
T 35 N - R 34 E
T 34 N - R 33 E



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
- Lewis and Clark Trail
- Scenic Byway
- Railroad
- Abandoned Railroad
- Indian Reservation
- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 01 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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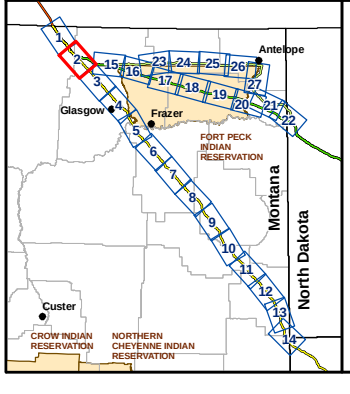
MP: B-20
MP: A-20
MP: A1A-20
MP: B-25
MP: A-25
MP: A1A-25
MP: A-30
MP: A1A-30
MP: B-30
MP: B-35
MP: A-35
MP: A1A-35
MP: A-40
MP: A1A-40
MP: B-40

A1A
B
A

Frenchman Reservoir
Nelsons Reservoir
Desert Claim Reservoir

Phillips County
Valley County



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
- Lewis and Clark Trail
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- Abandoned Railroad
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 02 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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MP: B-40
MP: B-45
MP: B-50
MP: B-55
MP: B-60
A1A
A
B
Vandalia
Etchart Field
MARTIN AIRPORT
Tampico
Cornwell Reservoir
Burlington Northern Santa Fe Railroad
Willow Creek
Papoose Creek
Rock Creek
Cash Creek
Lime Creek
Milk River
Alkali Creek
Buggy Creek
Antelope Creek
Eagles Nest Coulee
Canyon Creek
Wolf Creek
Crooked Creek
Spring Creek
Cherry Creek
Morgan Creek
Pipeline
Coulee
Unger
Grass
Wire
Horse
Laundry Hill
T 32 N - R 35 E
T 32 N - R 36 E
T 33 N - R 36 E
T 32 N - R 37 E
T 33 N - R 37 E
T 31 N - R 36 E
T 32 N - R 38 E
T 33 N - R 38 E
T 31 N - R 37 E
T 31 N - R 38 E
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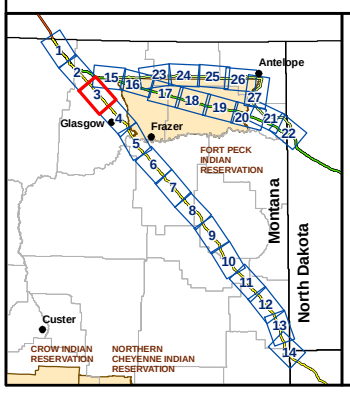
T 30 N - R 39 E
T 29 N - R 38 E



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 03 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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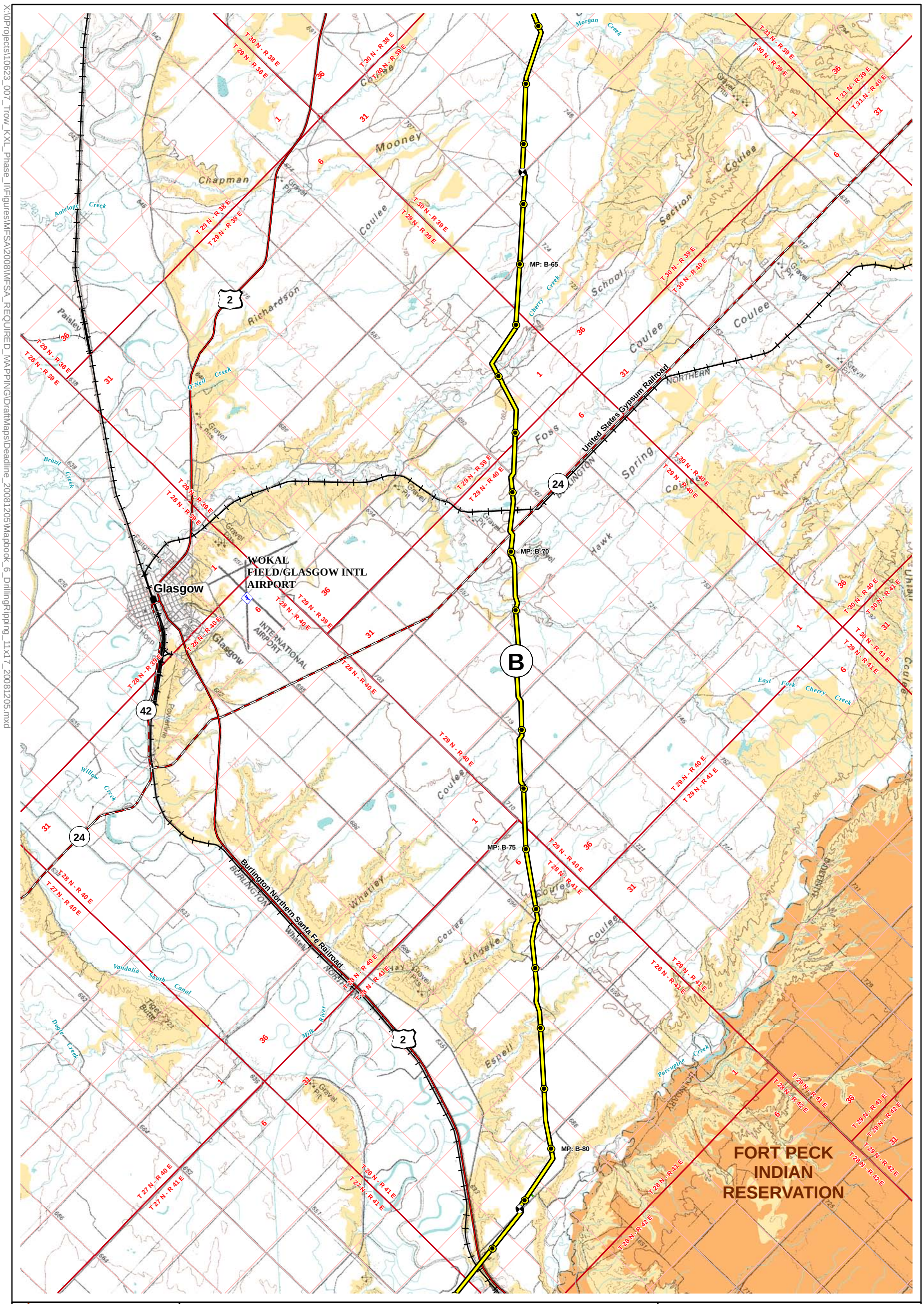

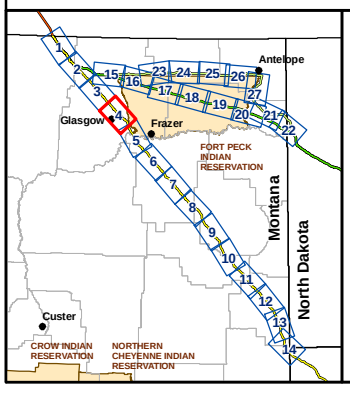

Steele City Segment Routes
- Alternative A
- Alternative A1A
- Alternative B
- Access Road

Legend
- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport
- Lewis and Clark Campsite
- Lewis and Clark Trail
- Scenic Byway
- Railroad
- Abandoned Railroad
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 04 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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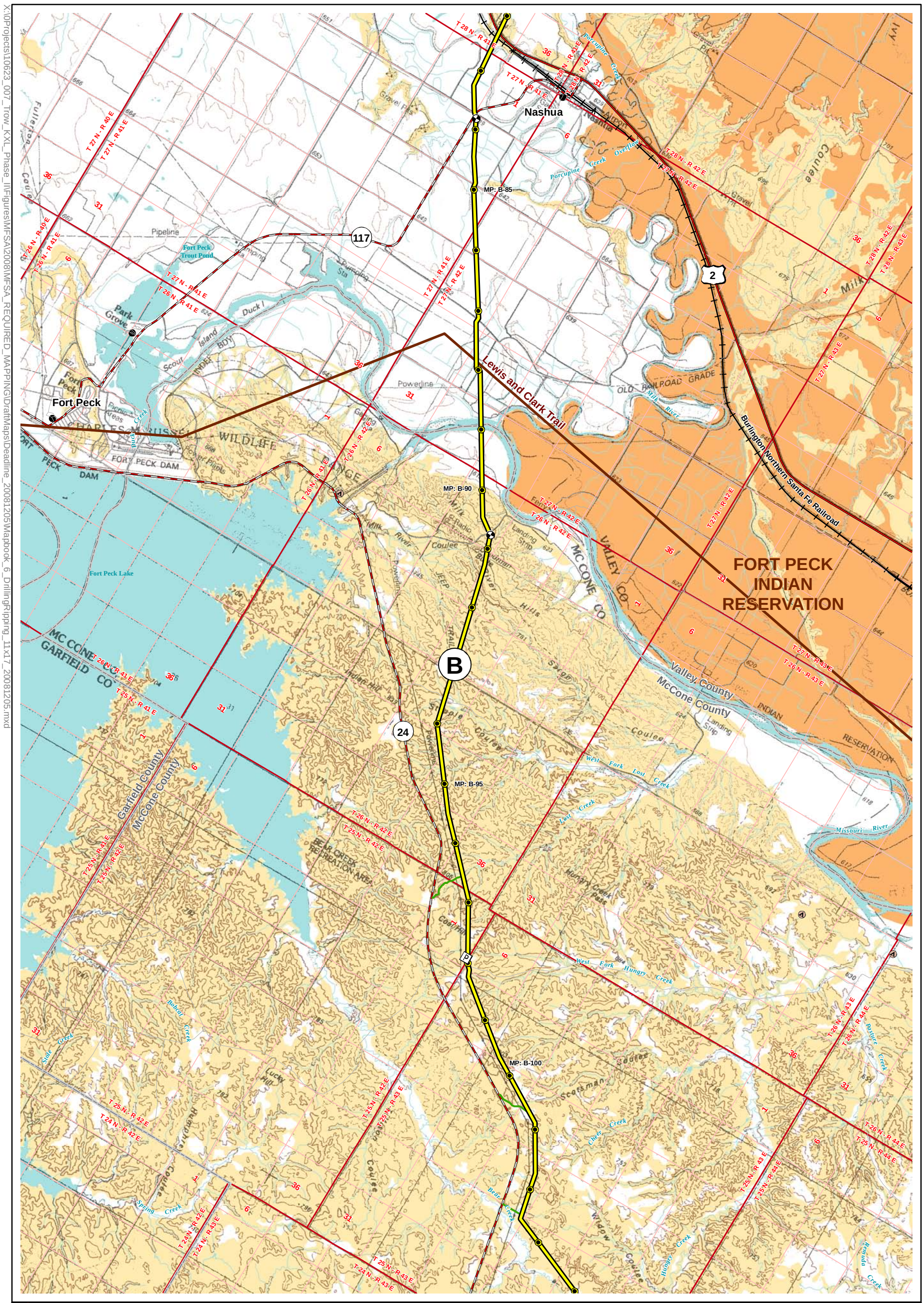

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 05 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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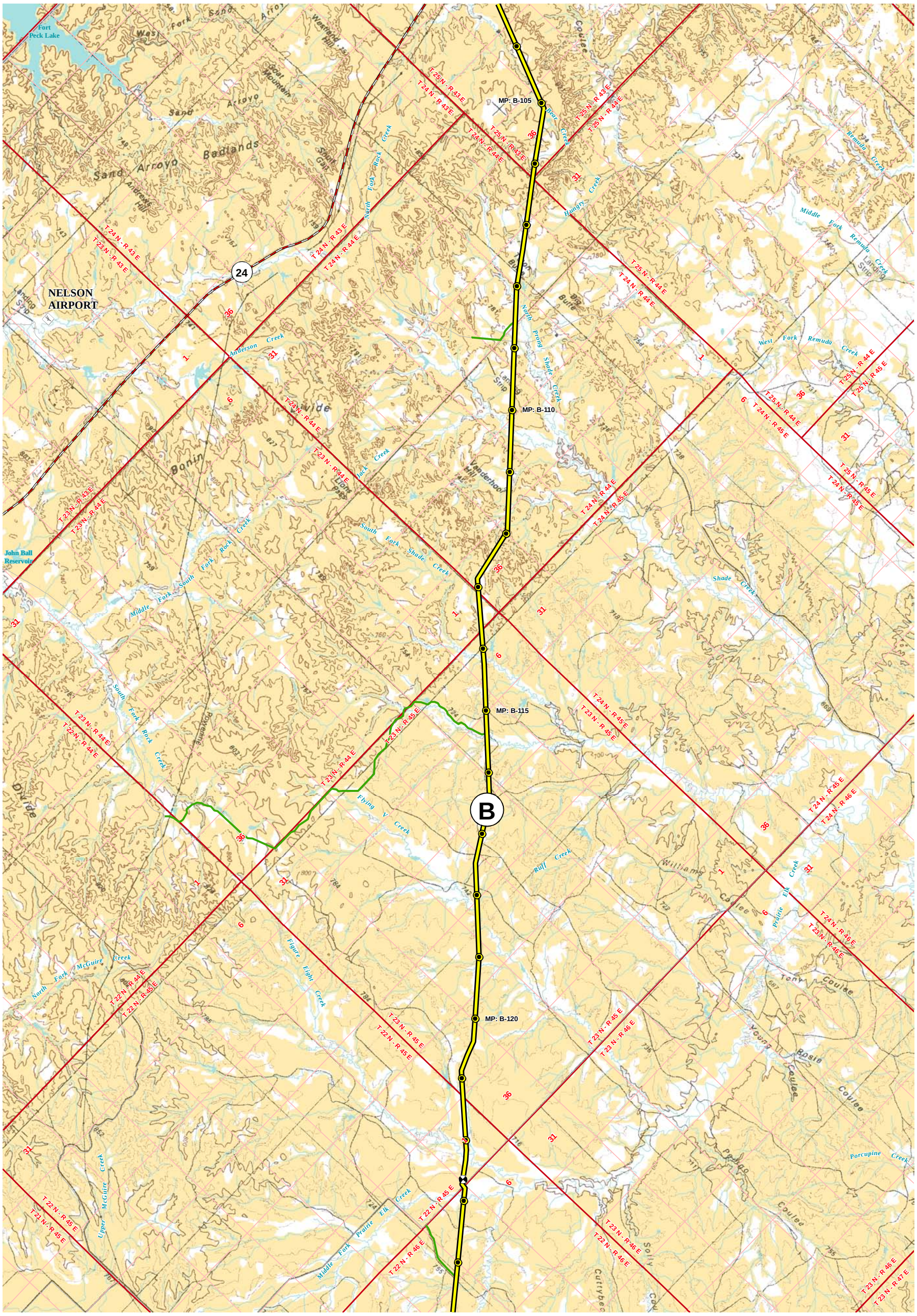

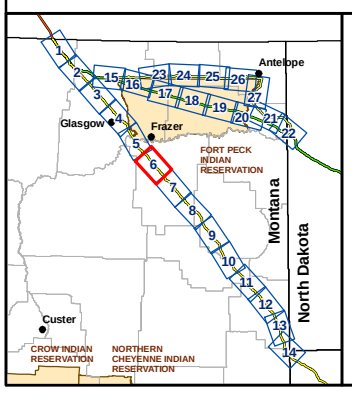

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

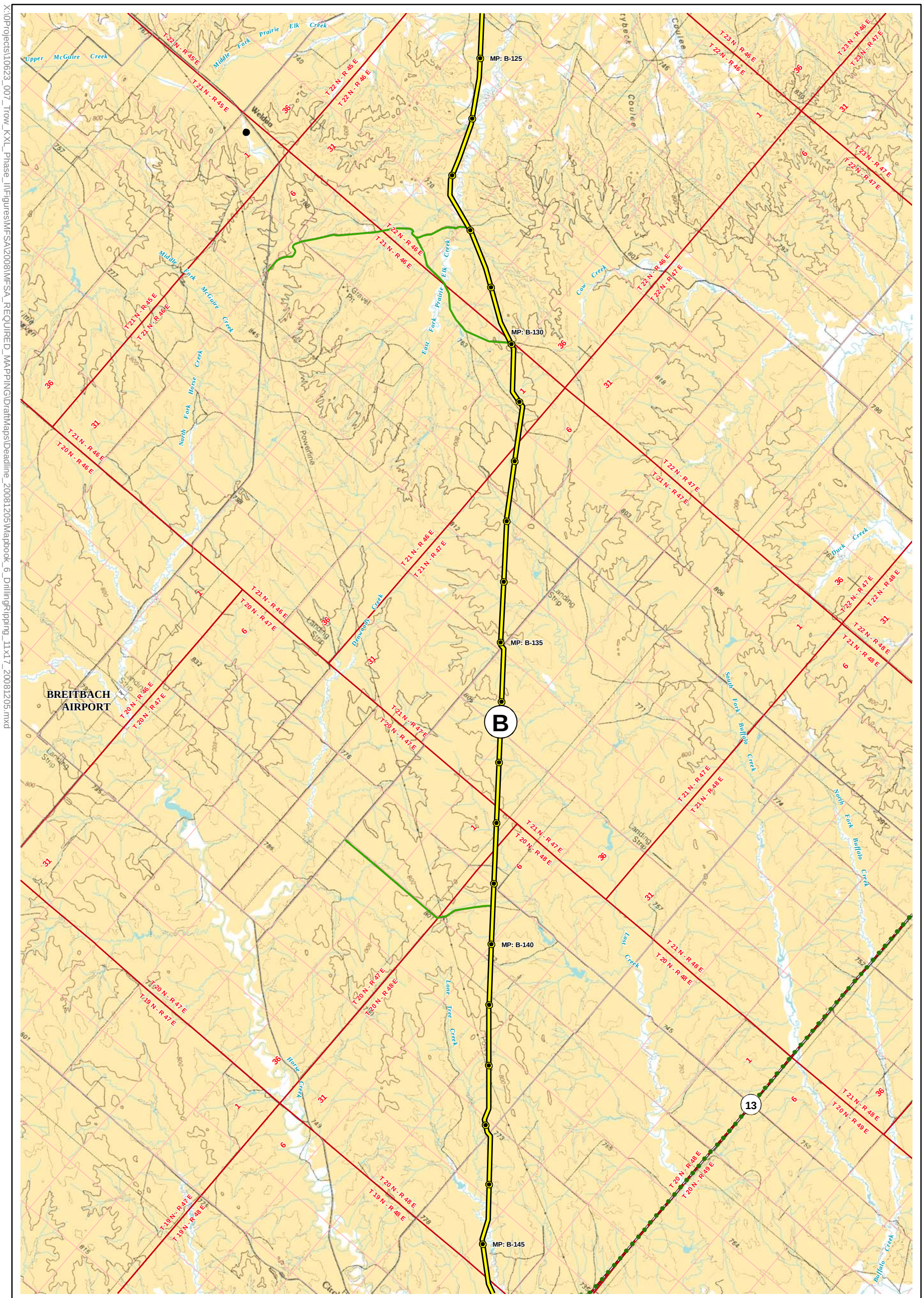
Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

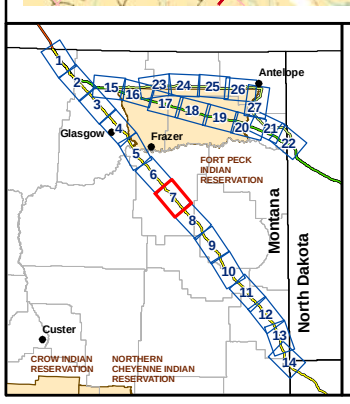
Map 06 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000





Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 07 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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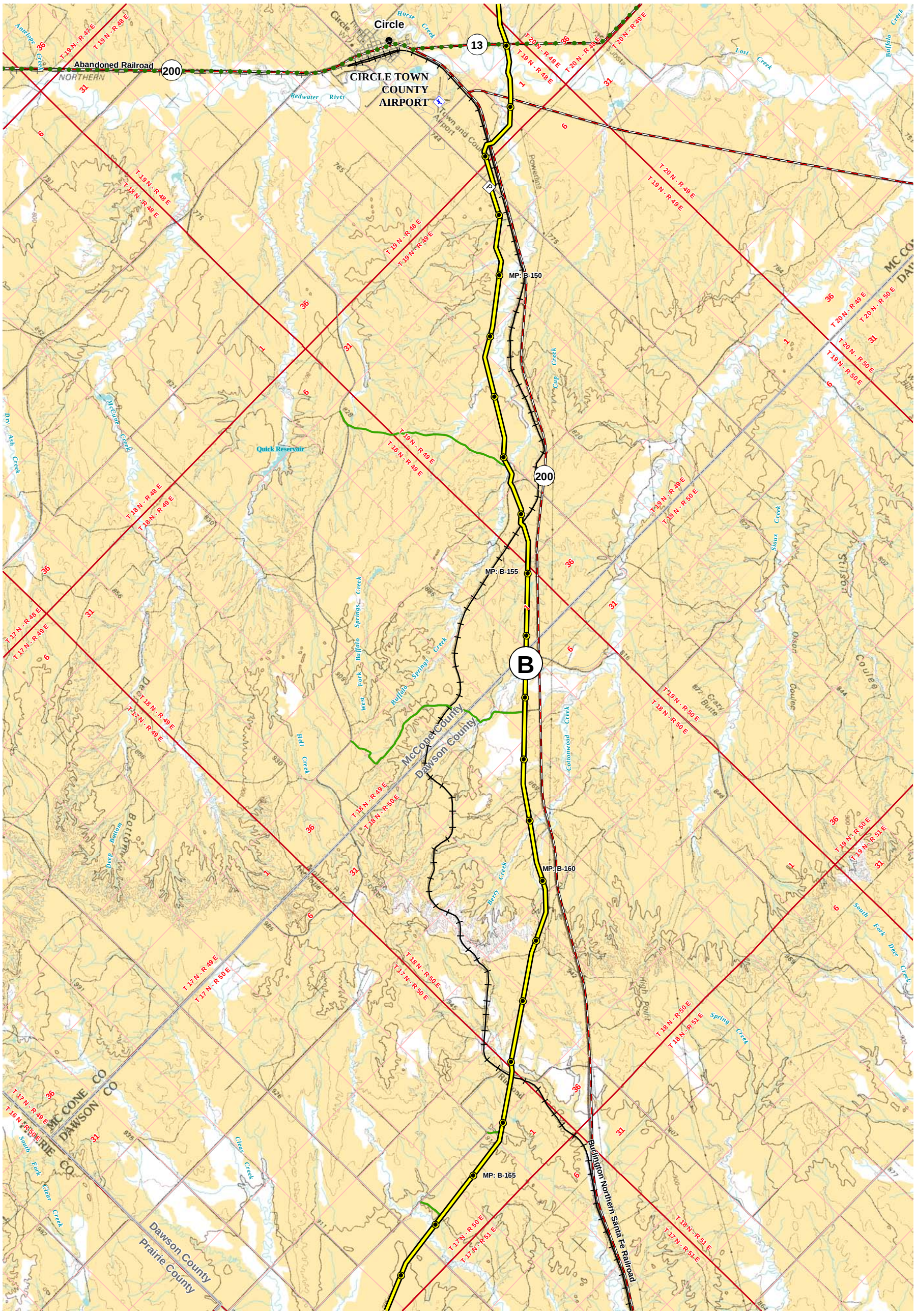

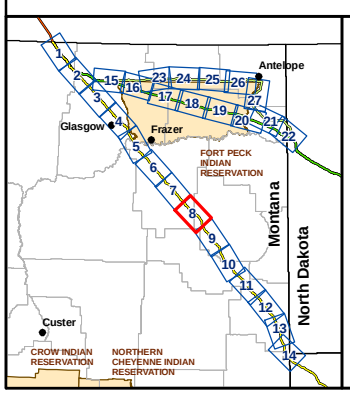

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

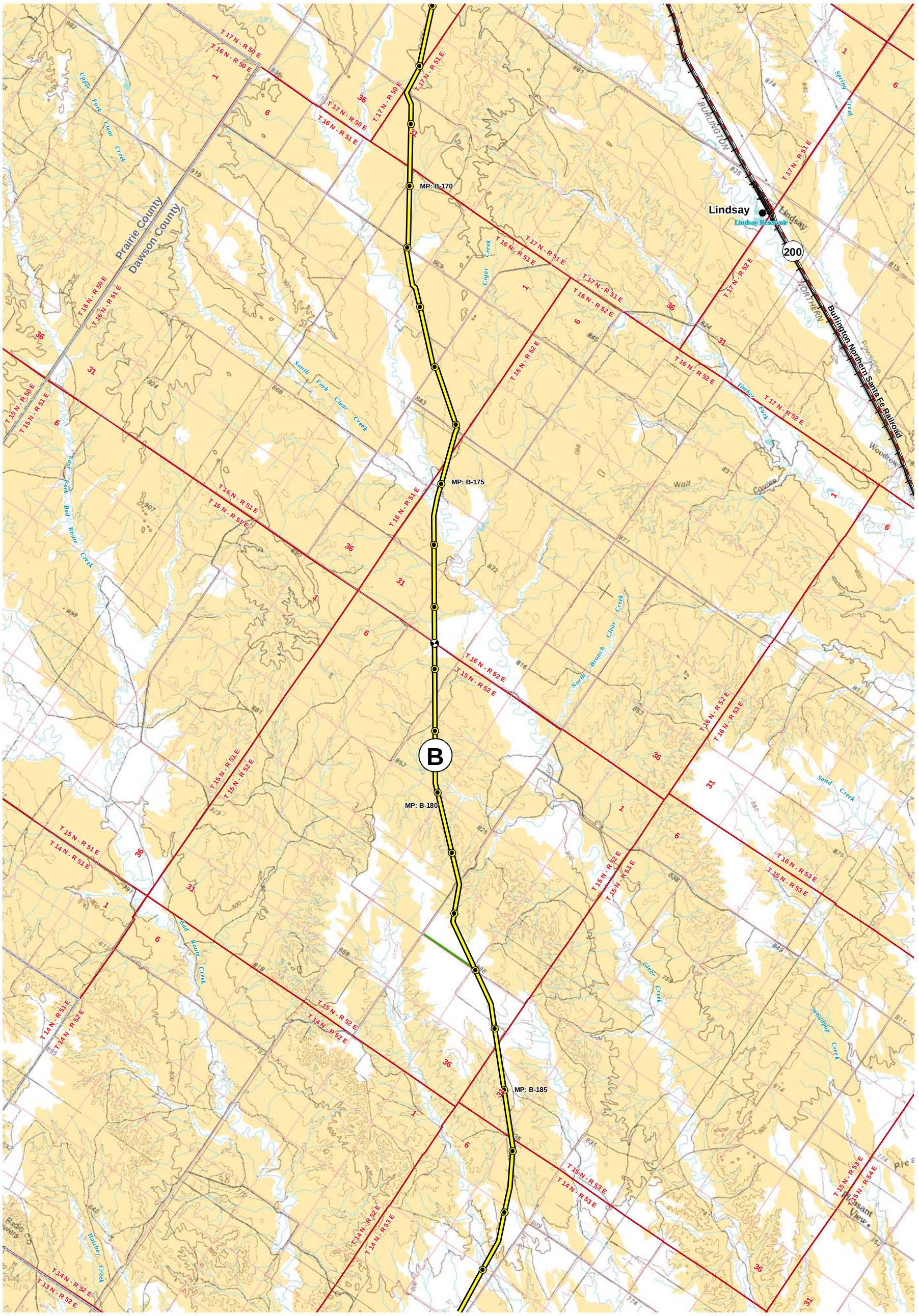
Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

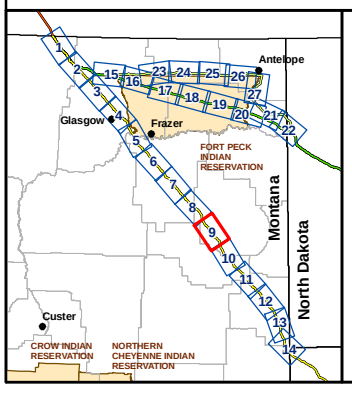
Map 08 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000





Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
- Lewis and Clark Trail
- Scenic Byway
- Railroad
- Abandoned Railroad
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- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 09 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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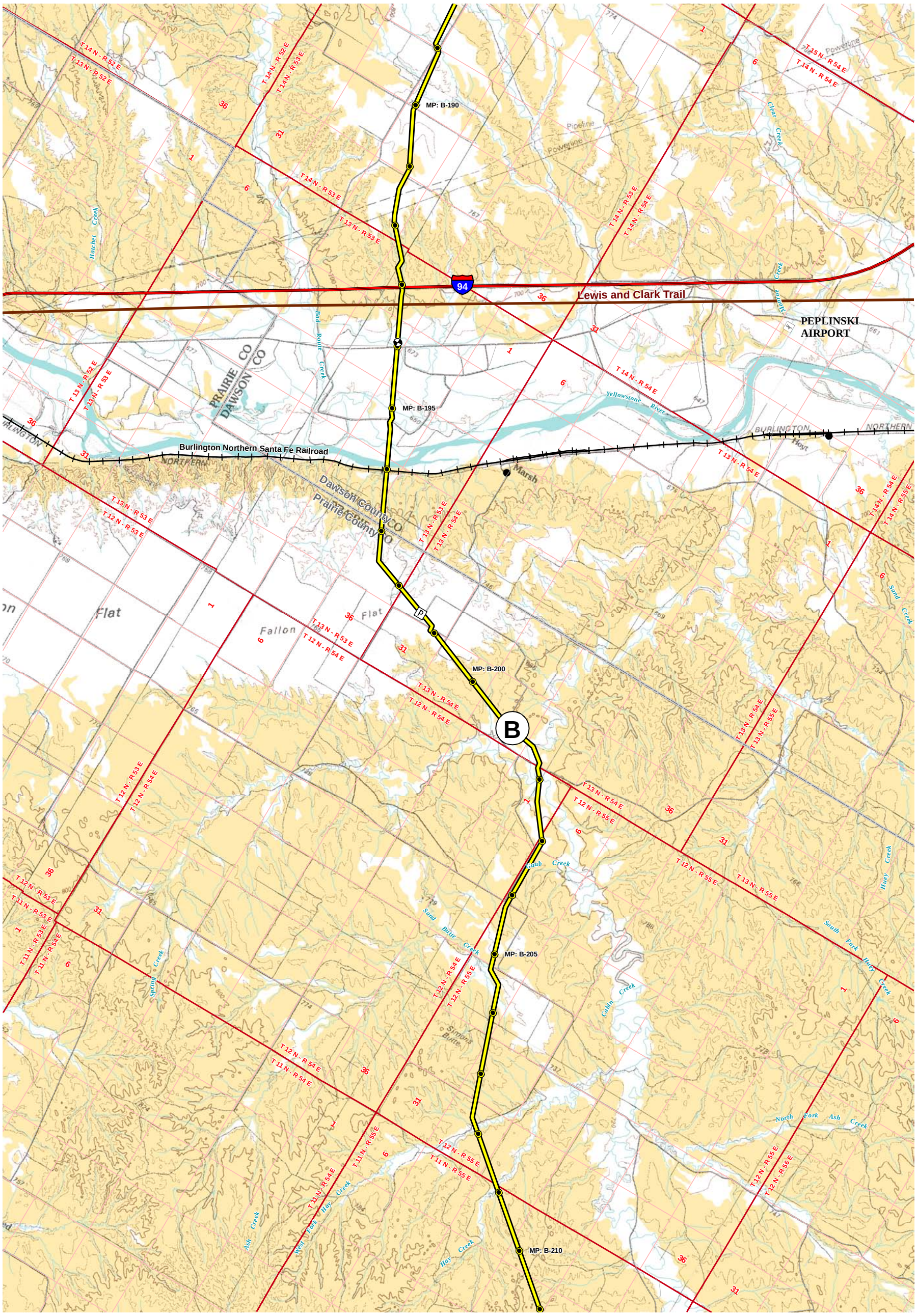

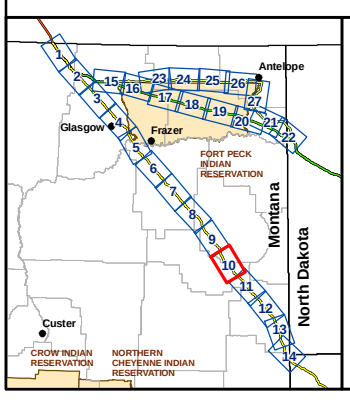

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 10 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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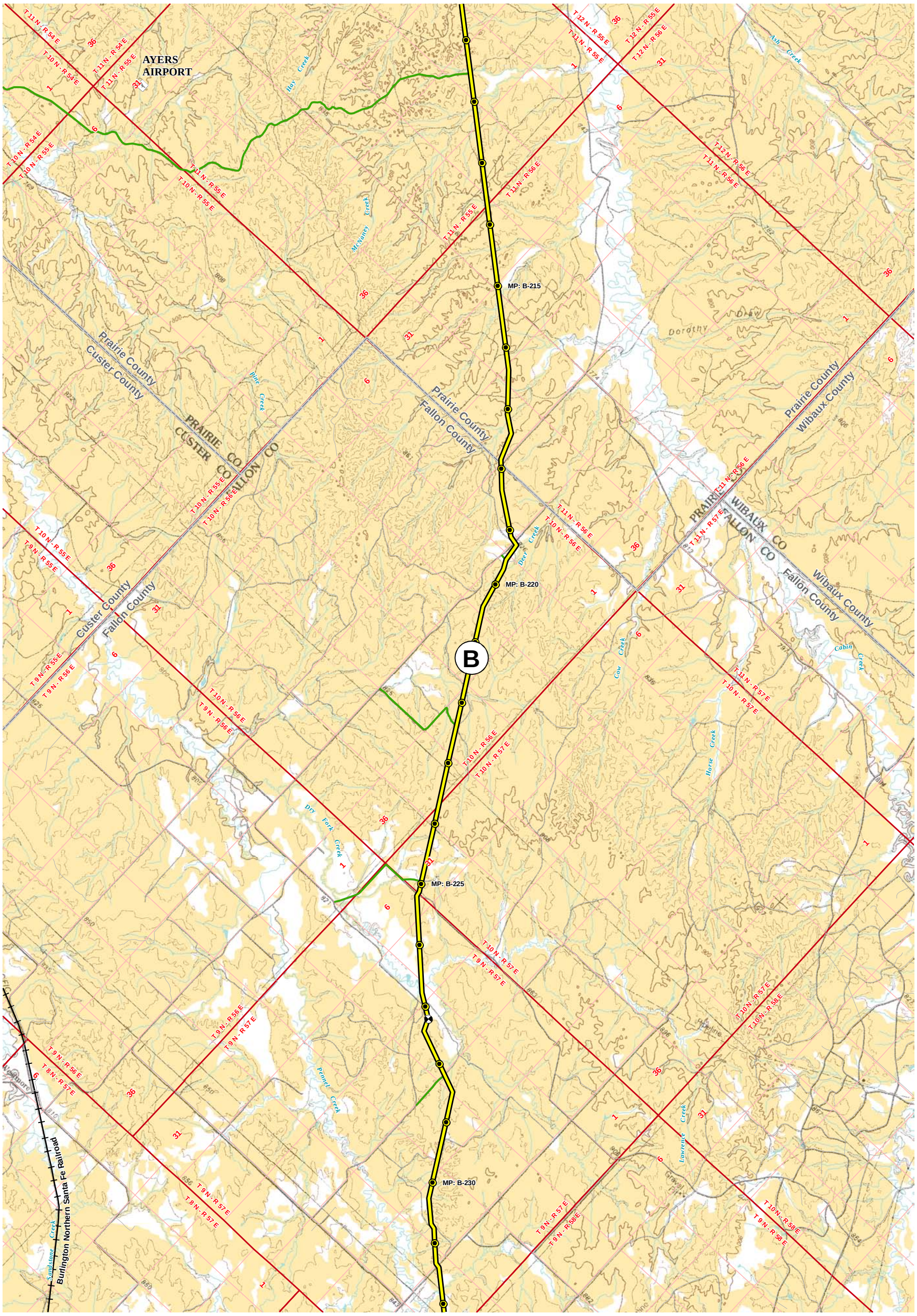

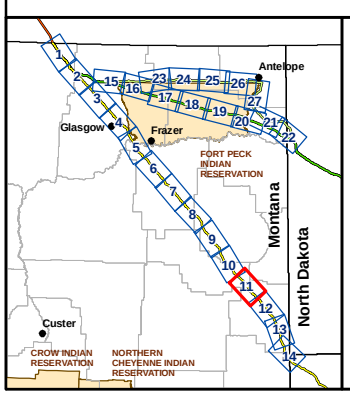

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 11 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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Plevna

MP: B-235

MP: B-240

MP: B-245

MP: B-250

Baker

BAKER MUNI AIRPORT

Burlington Northern Santa Fe Railroad

South Sandstone Reservoir

STATE REC AREA

Baker, Lake

PENNEL OIL FIELD

Mogard Oil Field

Pipeline

Pumping Sta

Radio Towers

Gravel Pits

Cabin Creek

Pennel Creek

Cottonwood Creek

Antelope Butte

Sandstone Creek

South Fork Sandstone Creek

Timber Creek

Deep Creek

Red Butte Creek

Corral Creek

Suzista

T 10 N - R 58 E

T 9 N - R 57 E

T 9 N - R 58 E

T 9 N - R 59 E

T 8 N - R 57 E

T 8 N - R 58 E

T 8 N - R 59 E

T 8 N - R 60 E

T 7 N - R 57 E

T 7 N - R 58 E

T 7 N - R 59 E

T 7 N - R 60 E

T 7 N - R 61 E

T 6 N - R 58 E

T 6 N - R 59 E

T 6 N - R 60 E

T 5 N - R 59 E

T 6 N - R 61 E

1 6 31 36

12 7 B P

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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- Rock Trenching that Requires Heavy Ripping Equipment

Antelope
Glasgow
Frazer
FORT PECK INDIAN RESERVATION
Montana
North Dakota
Custer
CROW INDIAN RESERVATION
NORTHERN CHEYENNE INDIAN RESERVATION

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 12 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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MP: B-250

MP: B-255

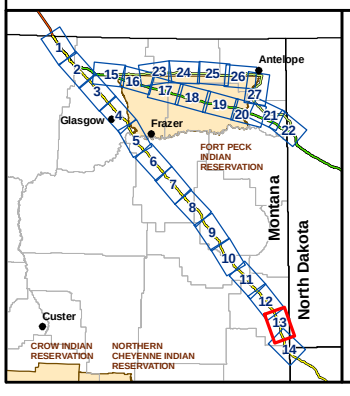
MP: B-260

MP: B-265

MP: B-270

Burlington Northern Santa Fe Railroad

North Dakota



Legend

- Pump Station
- Valve
- Public Airport
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Steele City Segment Routes

- Alternative A
- Alternative A1A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

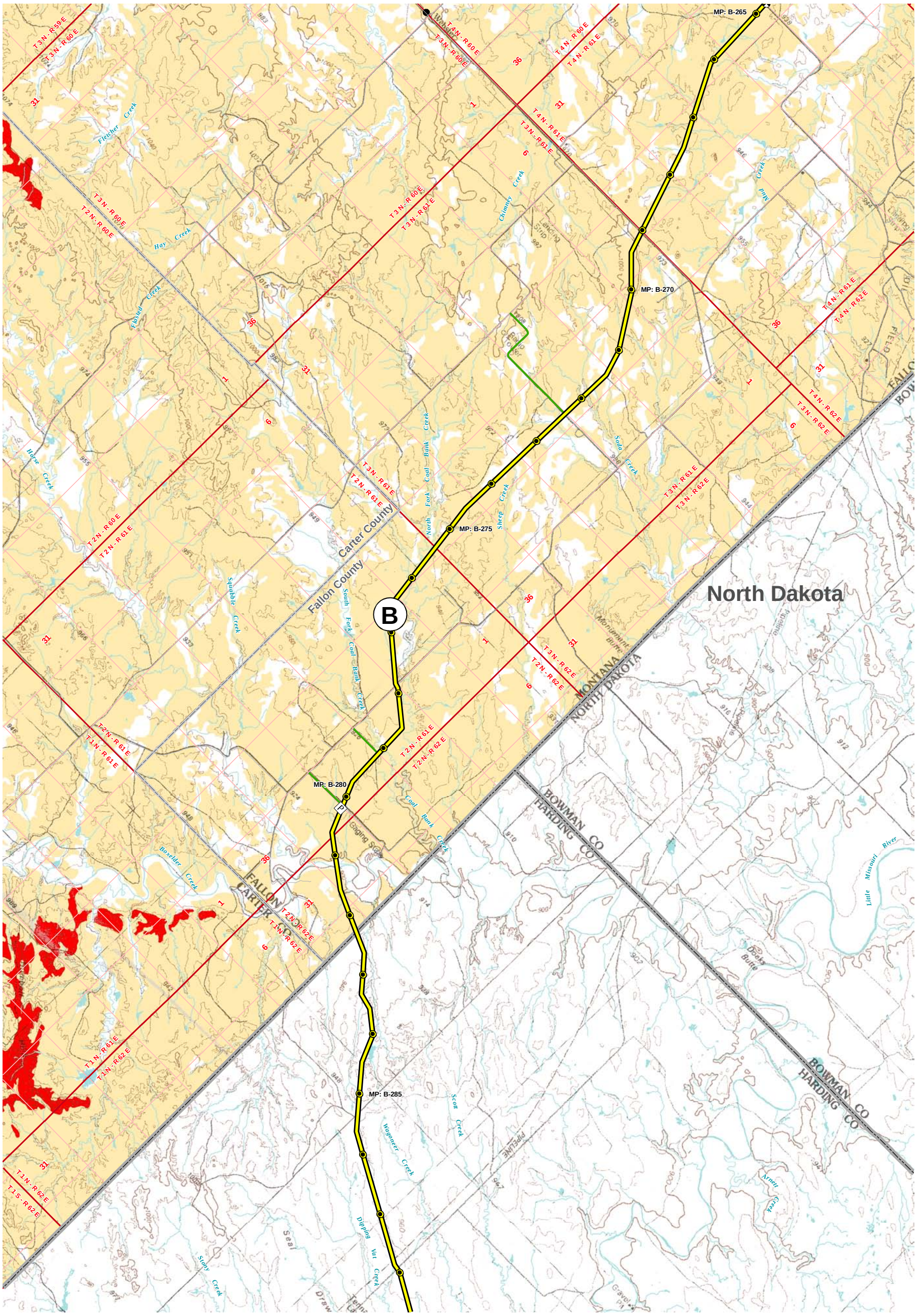
Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

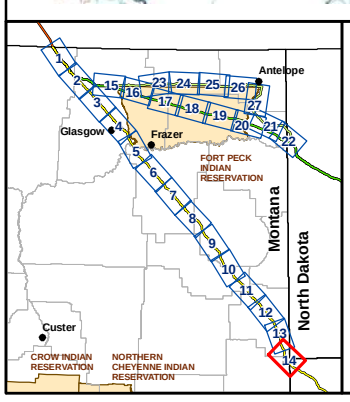
Map 13 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000





Legend

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Steele City Segment Routes

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 14 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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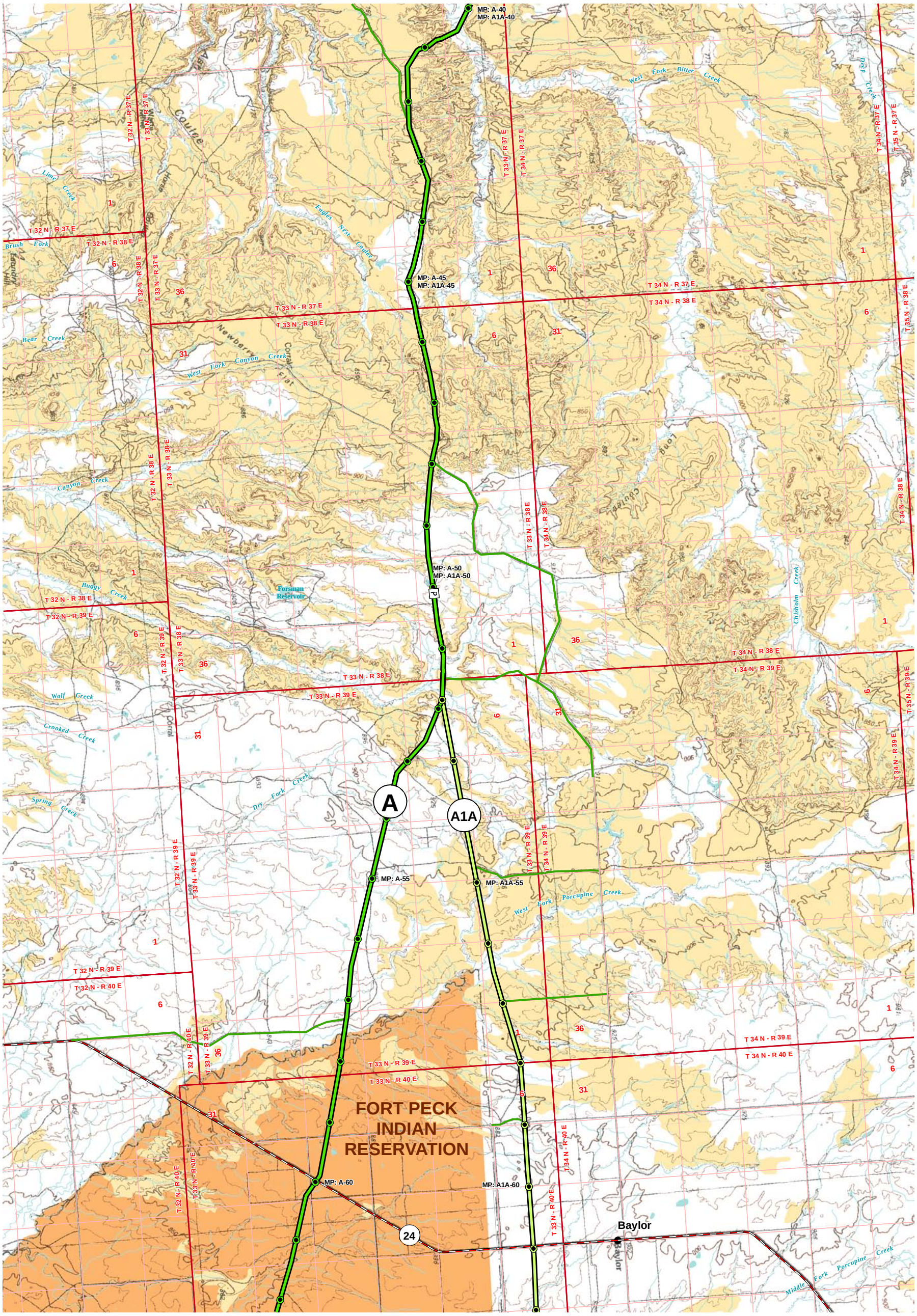

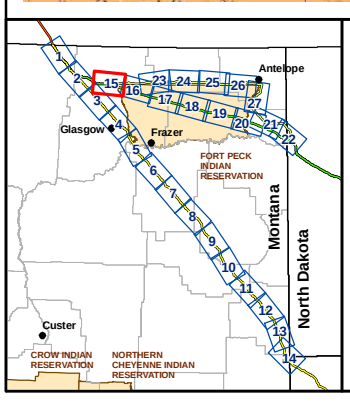

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
- Lewis and Clark Trail
- Scenic Byway
- Railroad
- Abandoned Railroad
- Indian Reservation
- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 15 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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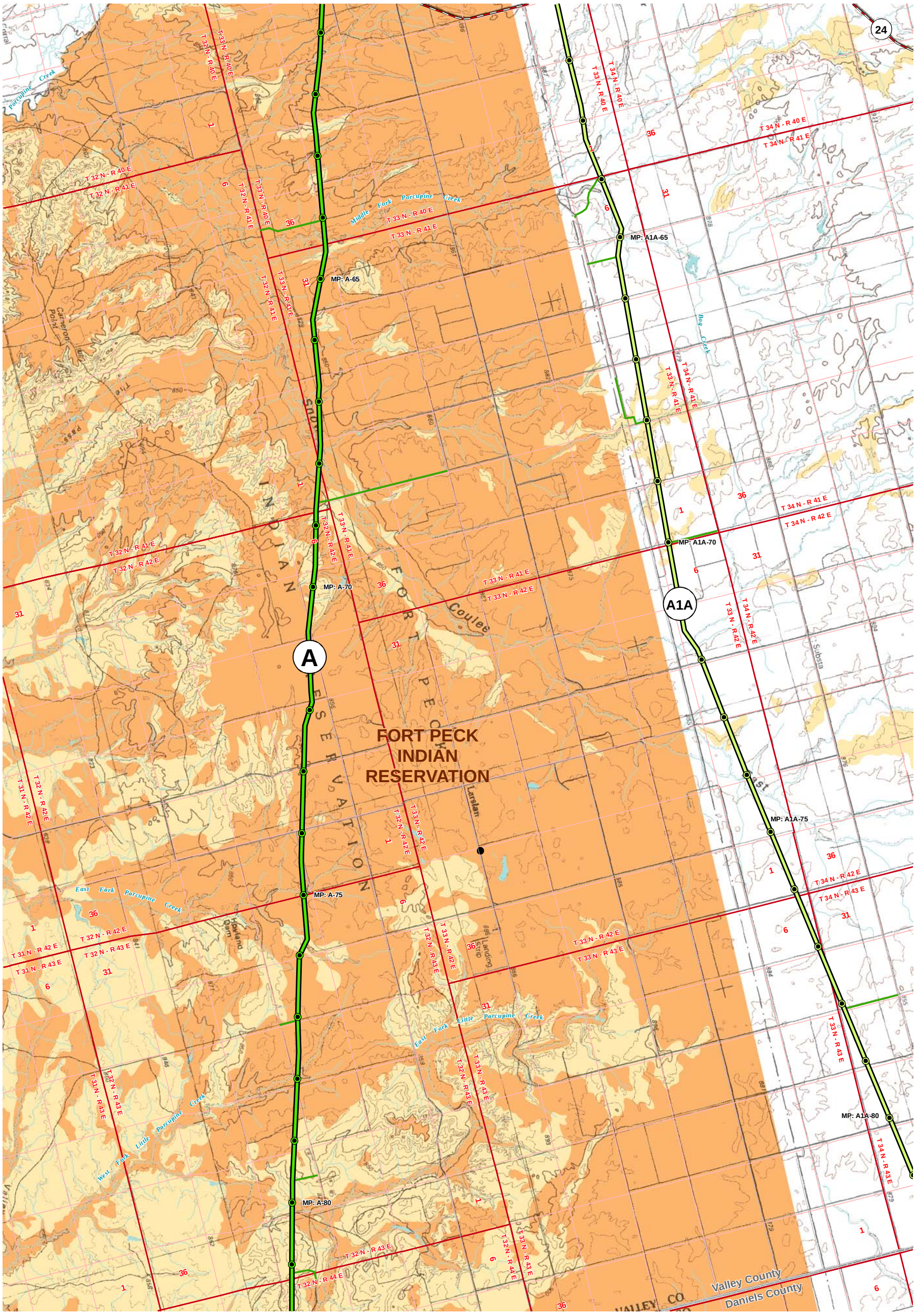

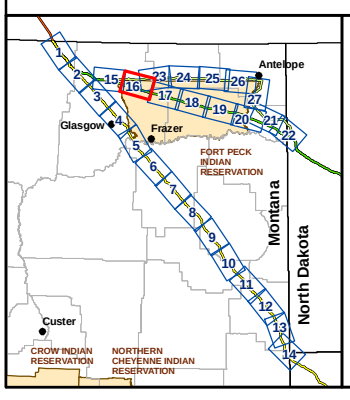

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 16 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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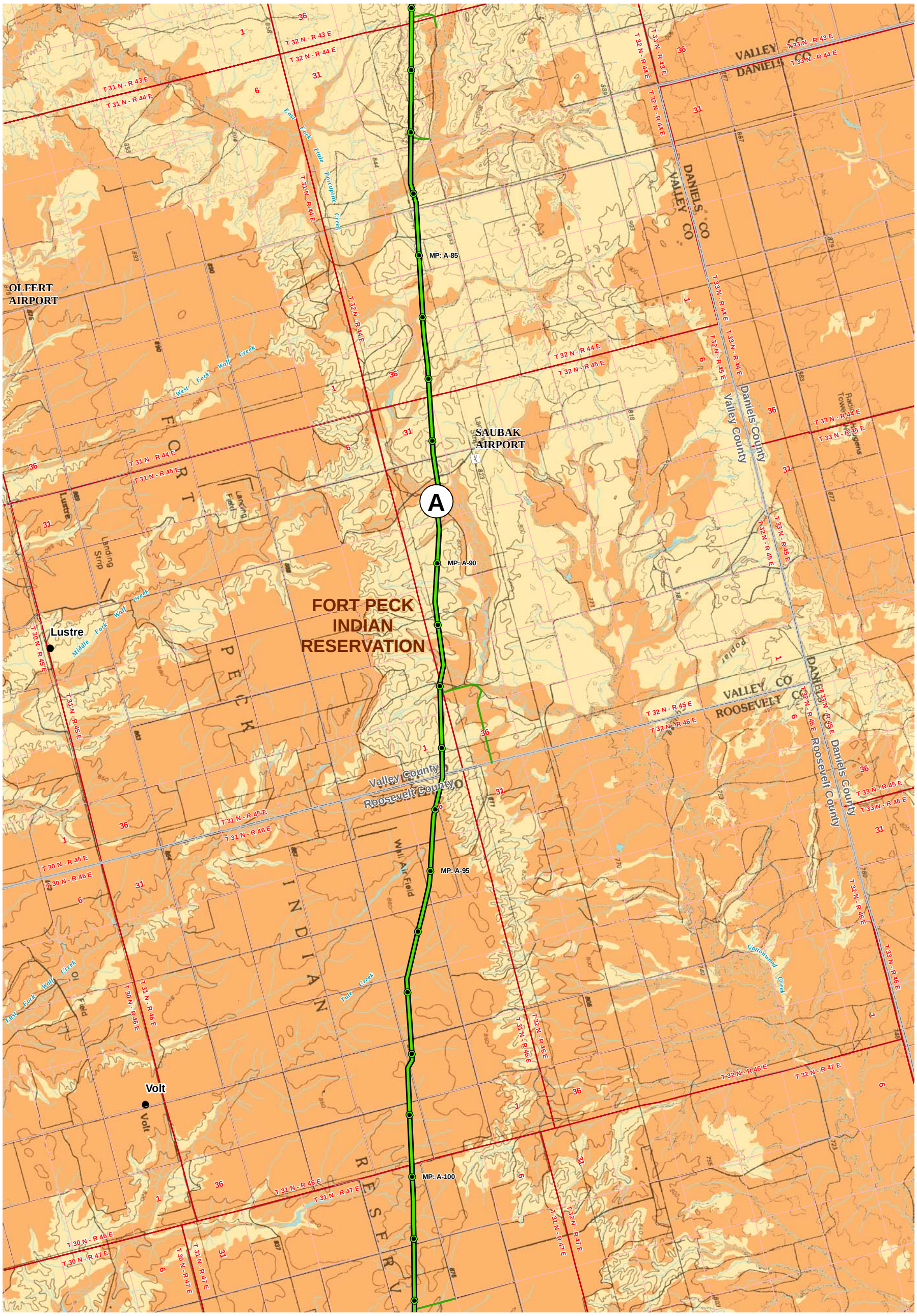
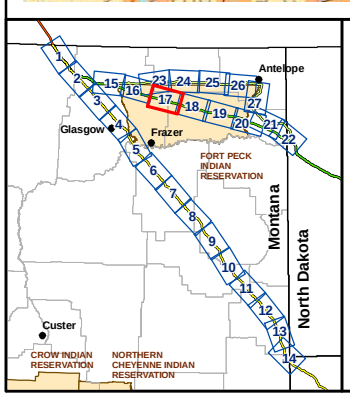




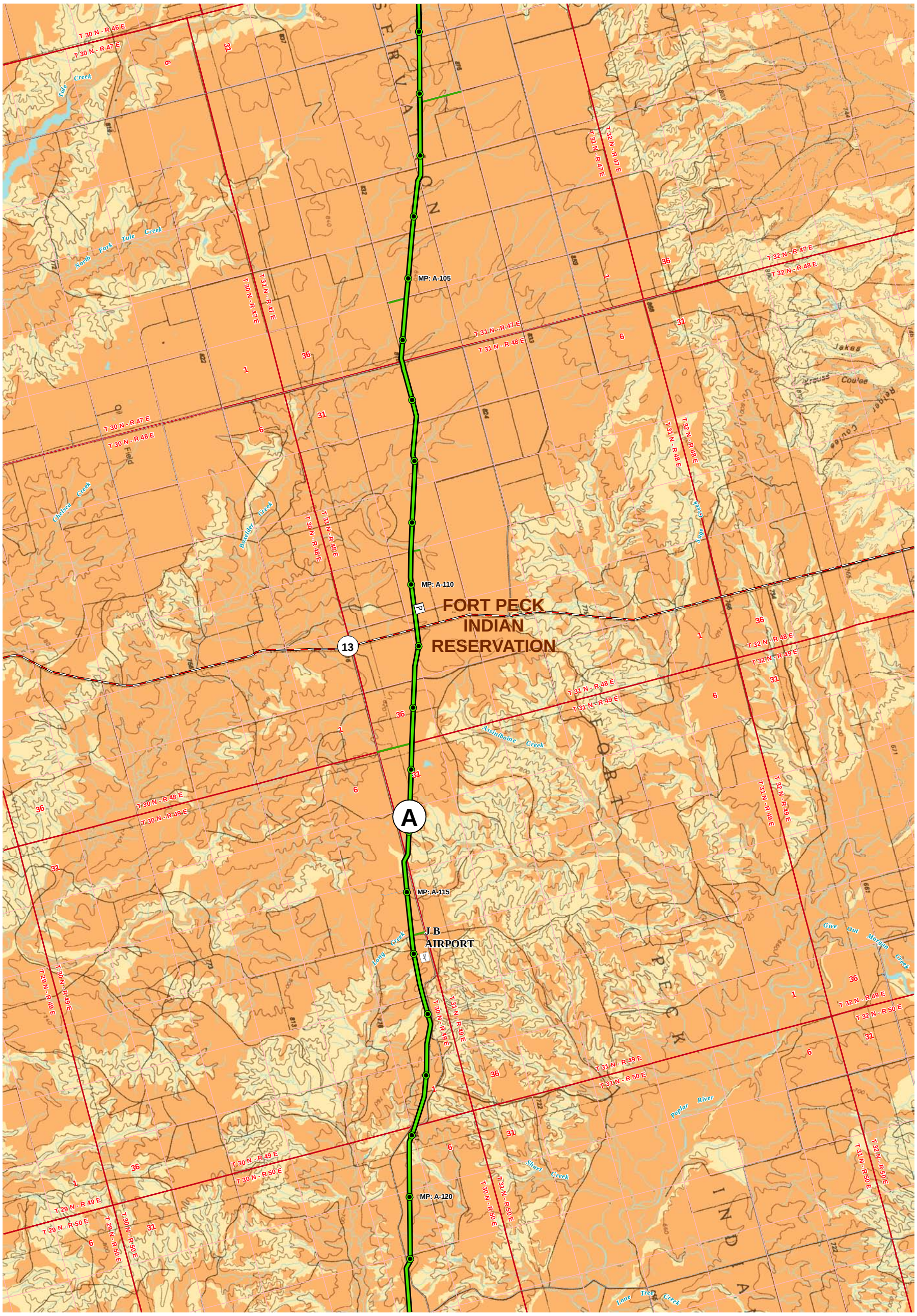
Montana Study Area
KEYSTONE XL PROJECT

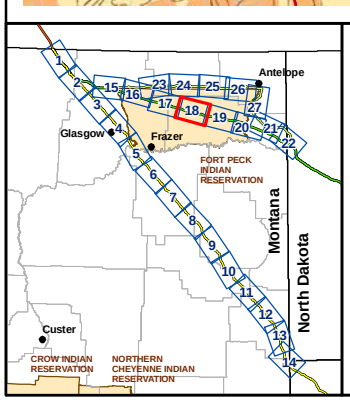
ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 17 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000





Legend

- Pump Station
- Valve
- Public Airport
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- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 18 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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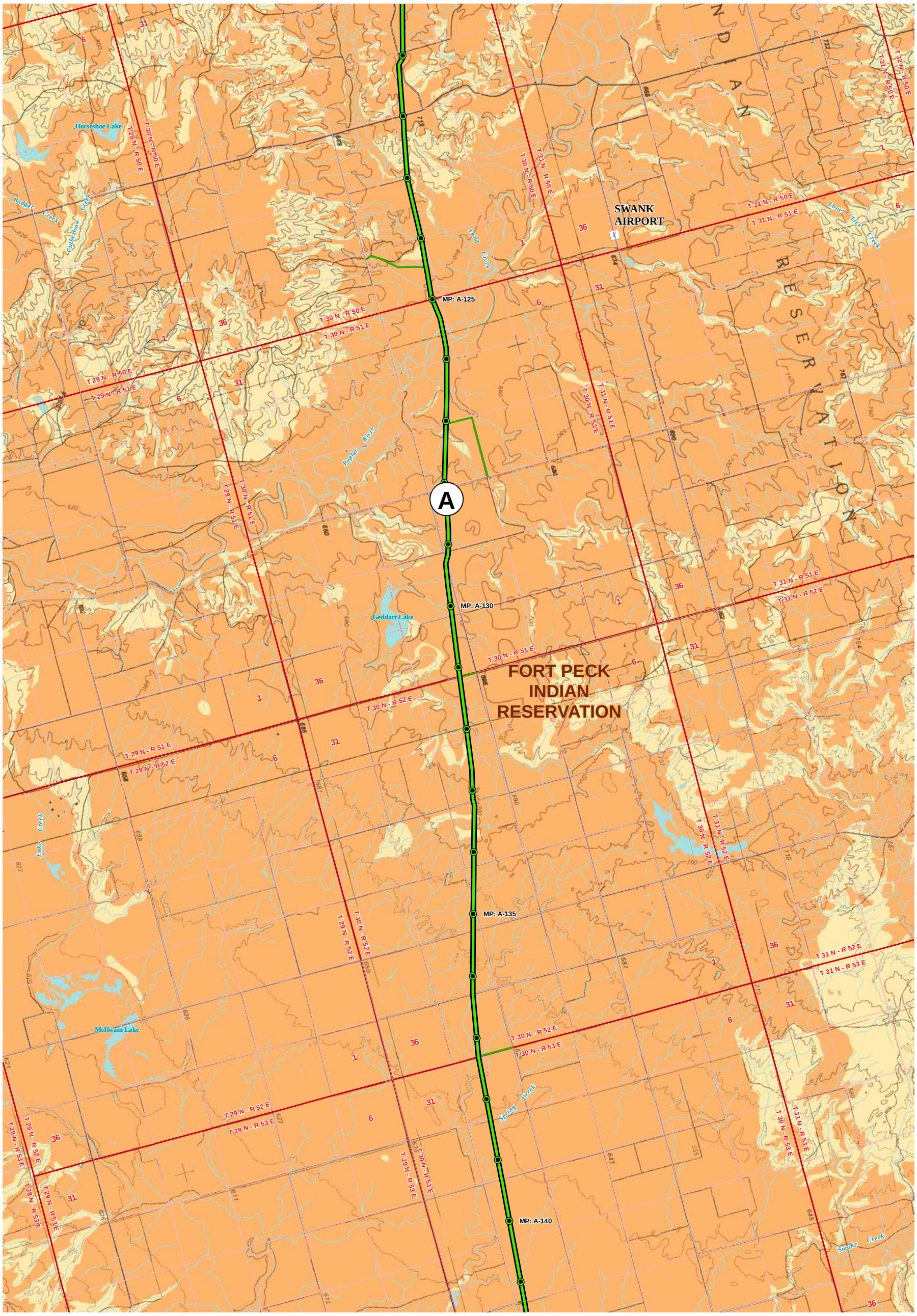

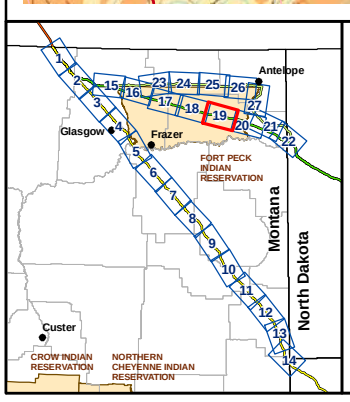

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 19 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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FORT PECK INDIAN RESERVATION

MP: A-145

Slab Crossing

MP: A-150

A

MP: A-155

MP: A-160

Culbertson

BIG SKY FIELD AIRPORT

Froid

Burlington Northern Santa Fe Railroad

A1A

MP: A1A-185

McCabe

Manning Lake

Johnson Lake

Lone Tree Creek

Big Muddy Creek

Spring Creek

Smoke Creek

Sand Creek

Scott Creek

Sheep Creek

Lost Creek

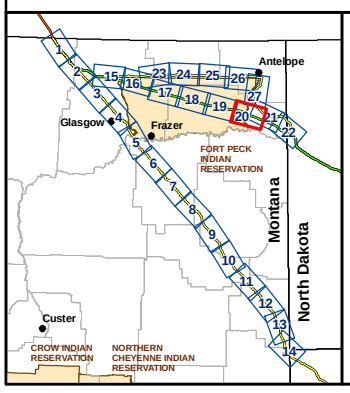
Clover Creek

Coulee

Rocky Point

Sugar Top Hill

FORT PECK INDIAN



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 20 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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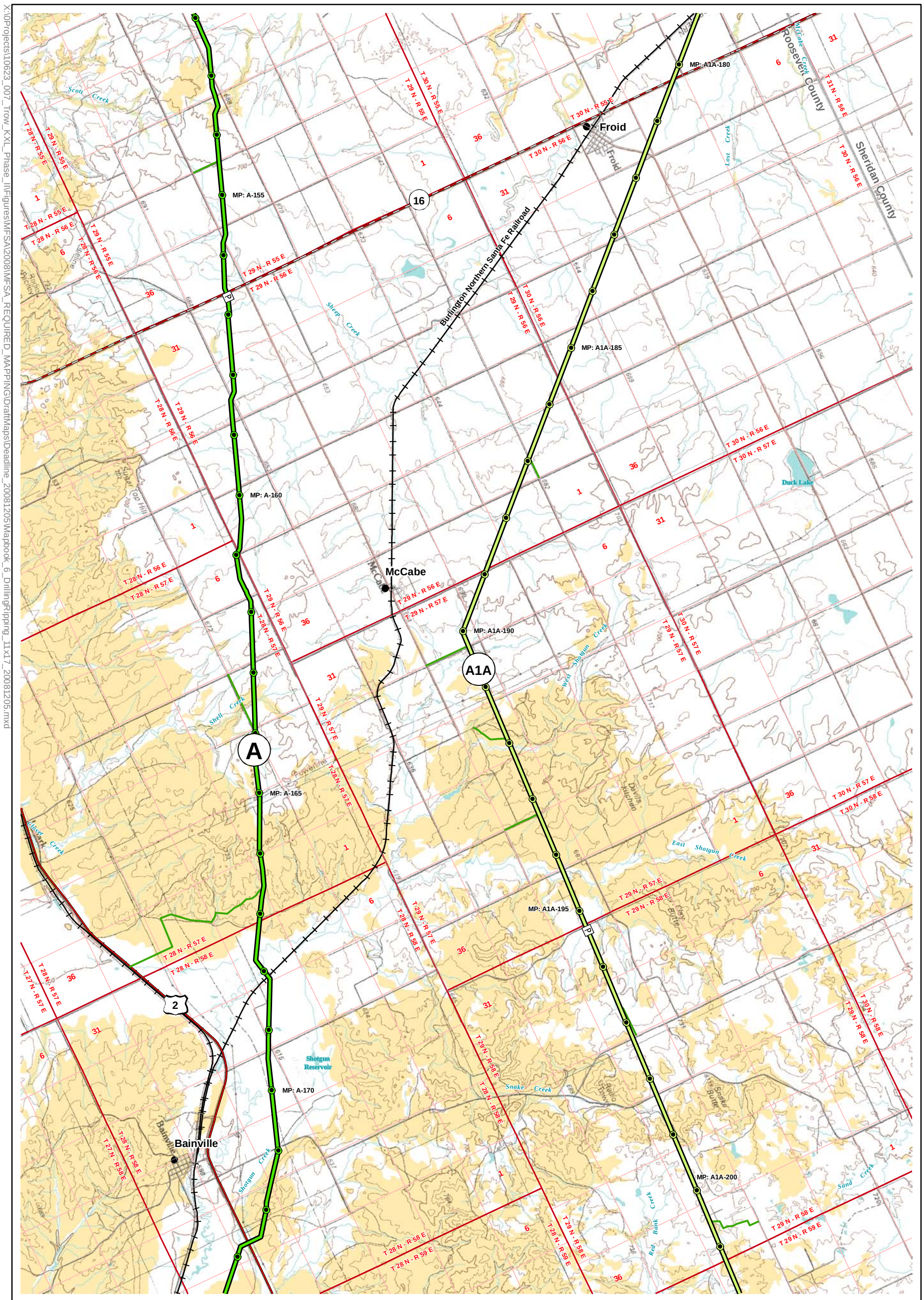

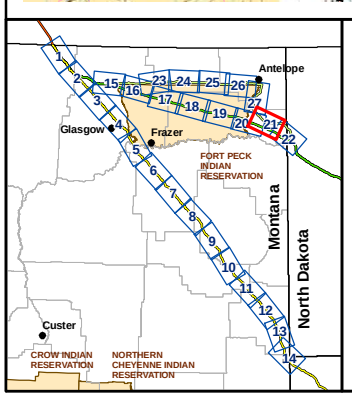

Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
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- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 21 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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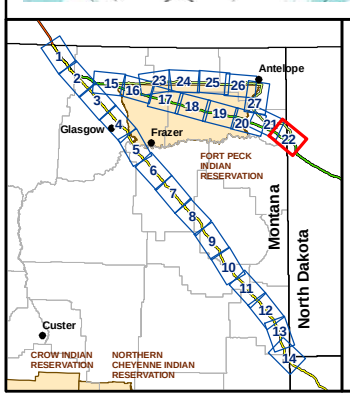
MP: A-170
MP: A-175
MP: A-180
MP: A-185
MP: A-190
MP: A1A-200
MP: A1A-205
MP: A1A-210
MP: A1A-215
Bainville
North Dakota
Shotgun Reservoir
Snake Creek
Sand Creek
Shotgun Creek
Red Bank Creek
Little Muddy Creek
Horse Tied Creek
Deer Creek
Cedar Creek
Eightmile Creek
Powerline Coulee
Garden Coulee
Finley Coulee
Marley Coulee
Trenton Coulee
Lakeside
Buford
Trenton
BURLINGTON
Trenton, Lake
Audubon Lake
Missouri River
Yellowstone River
Richland County
Roosevelt County
Williams Co.
Burlington Northern Santa Fe Railroad
Lewis and Clark Trail
Powerline
Radio Tower
Gravel Pit
Landing Strip
FORT UNION TRADING POST NATIONAL HISTORIC SITE
FORT BUFORD HISTORIC SITE
T 28 N - R 57 E
T 28 N - R 58 E
T 27 N - R 58 E
T 29 N - R 58 E
T 29 N - R 59 E
T 28 N - R 59 E
T 27 N - R 59 E
T 26 N - R 59 E
T 21 N - R 59 E



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
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- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 22 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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MP: A-75

A

MP: A1A-75

MP: A1A-80

MP: A1A-85

MP: A1A-90

A1A

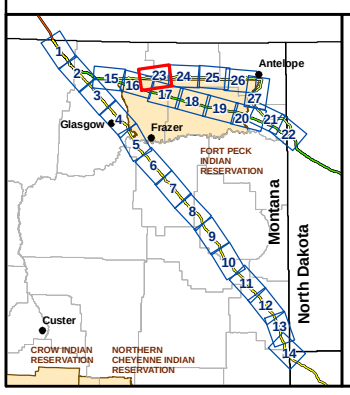
FORT PECK INDIAN RESERVATION

OGLESBY FARMS INC AIRPORT

Valley County

Daniels County

T 32 N - R 43 E
T 32 N - R 44 E
T 32 N - R 44 E
T 32 N - R 45 E
T 33 N - R 42 E
T 33 N - R 43 E
T 33 N - R 44 E
T 33 N - R 45 E
T 33 N - R 46 E
T 34 N - R 42 E
T 34 N - R 43 E
T 34 N - R 44 E
T 34 N - R 45 E
T 35 N - R 42 E
T 35 N - R 43 E
T 35 N - R 44 E
T 35 N - R 45 E



Legend

- Pump Station
- Valve
- Public Airport
- Private Airport
- Private Heliport

Steele City Segment Routes

- Alternative A
- Alternative A1A
- Alternative B
- Access Road

- Lewis and Clark Campsite
- Lewis and Clark Trail
- Scenic Byway
- Railroad
- Abandoned Railroad
- Indian Reservation
- Rock Trenching that Requires Drilling and Blasting
- Rock Trenching that Requires Heavy Ripping Equipment

Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 23 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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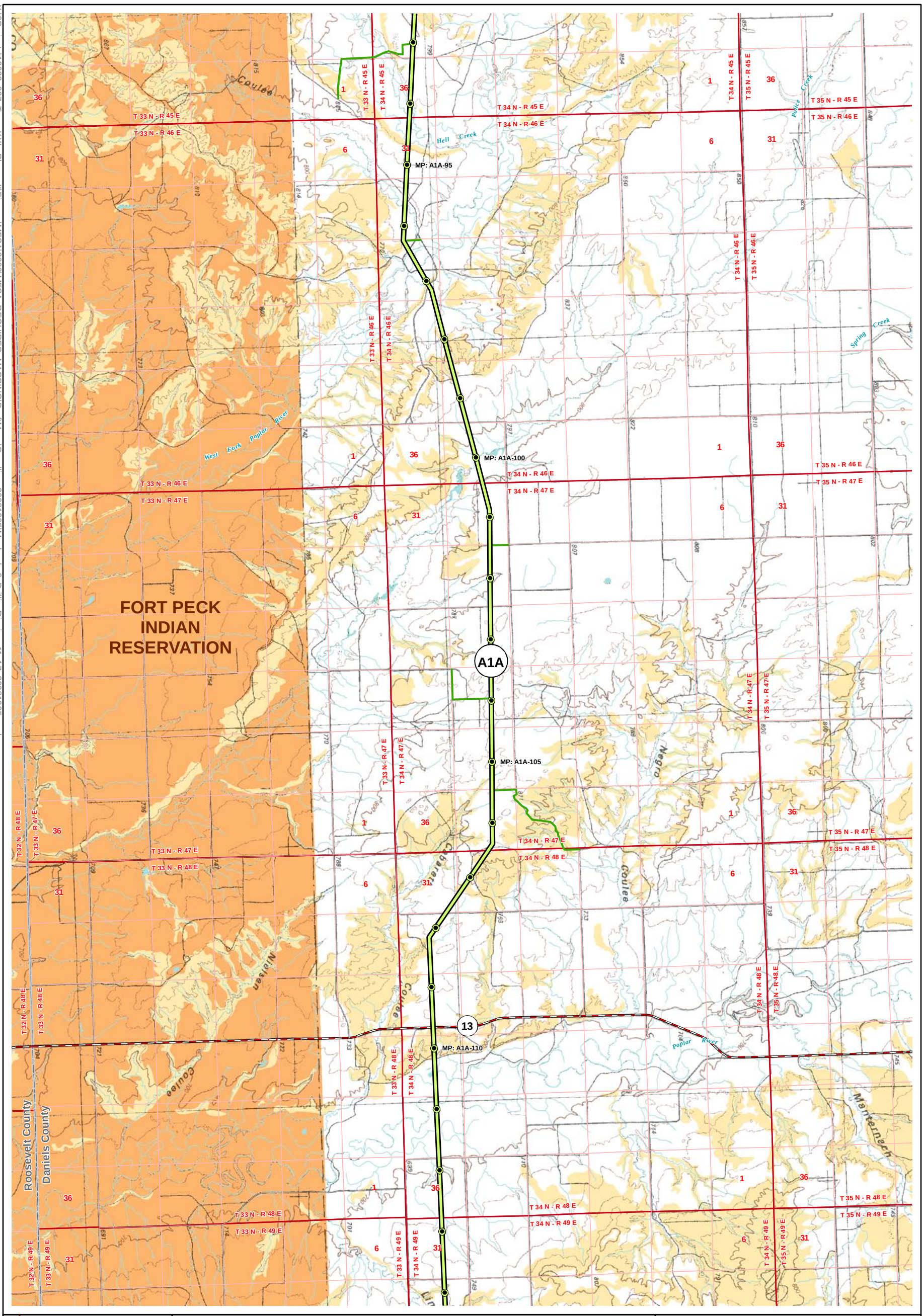

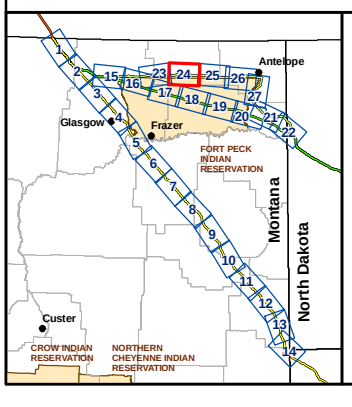

Legend

- Pump Station
- Valve
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Steele City Segment Routes

- Alternative A
- Alternative A1A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 24 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000

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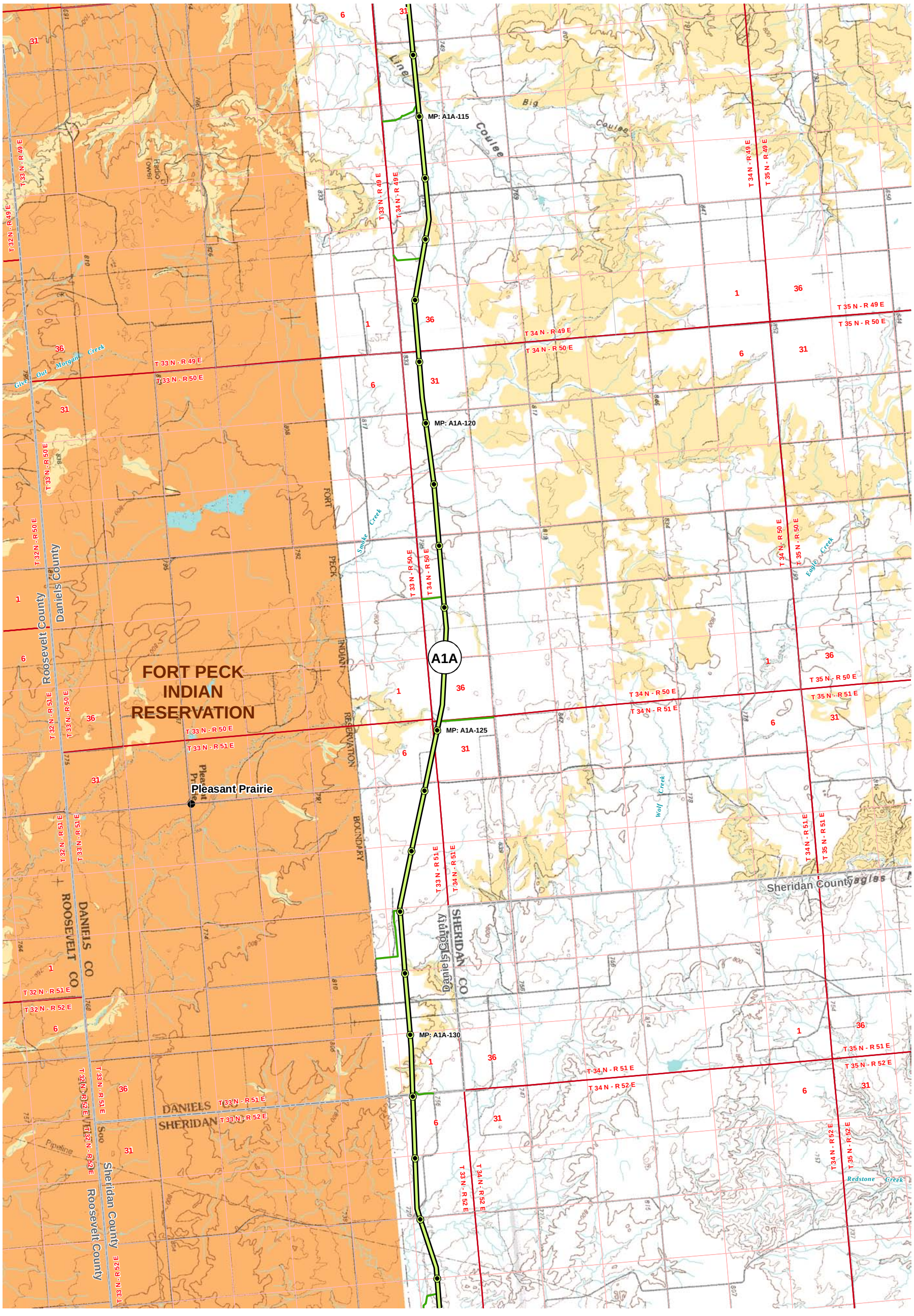

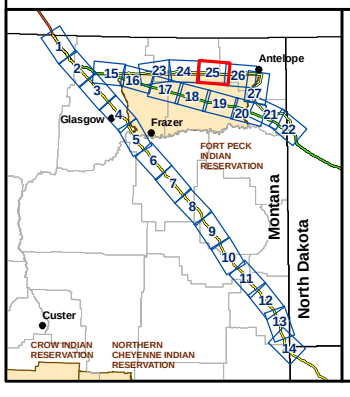

Legend

- Pump Station
- Valve
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Steele City Segment Routes

- Alternative A
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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

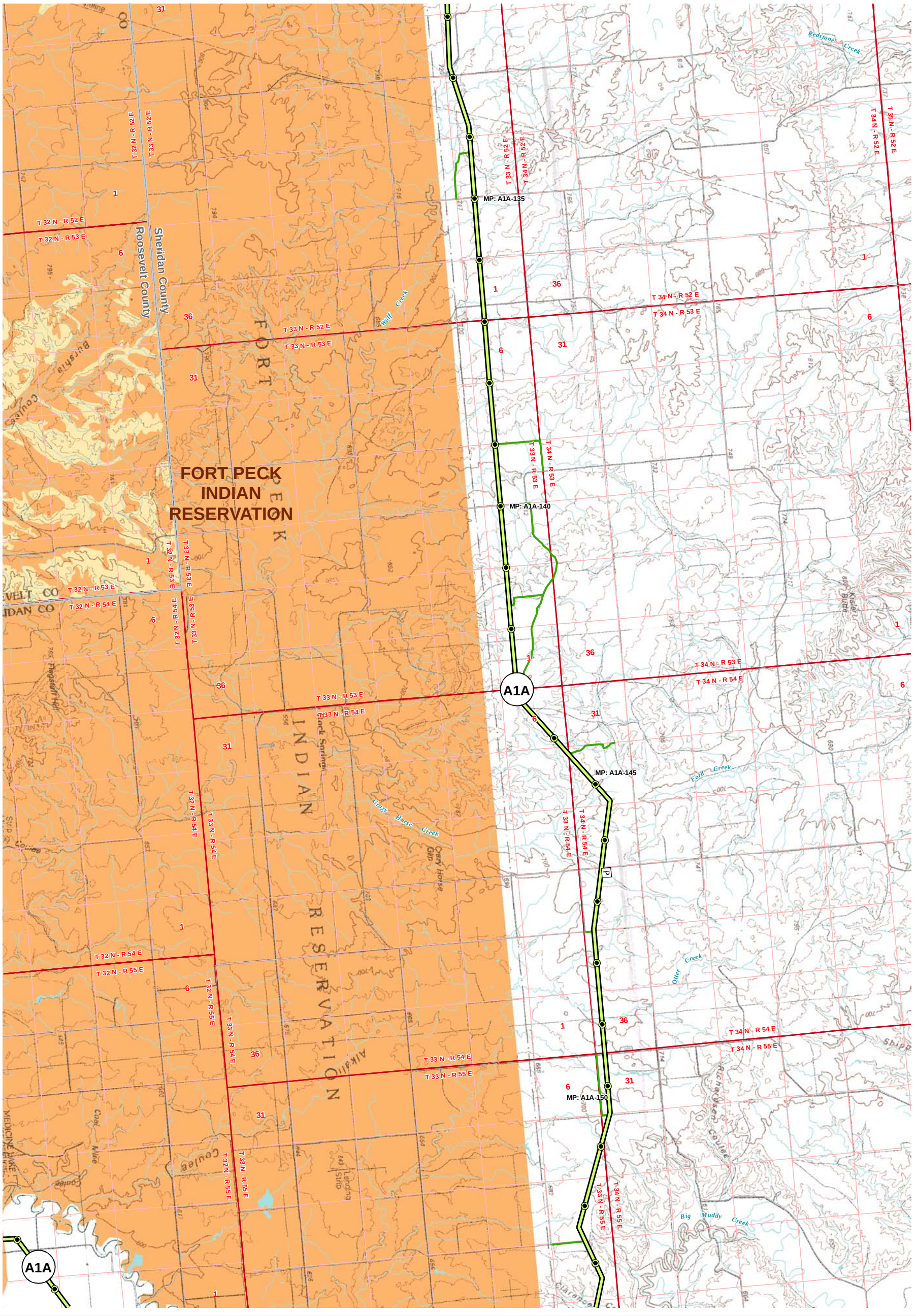
Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

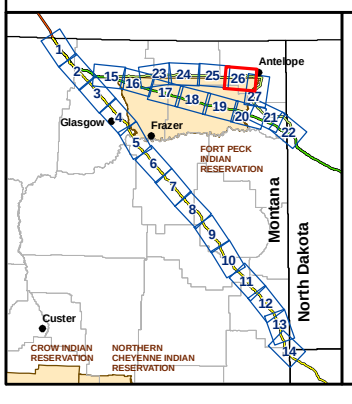
Map 25 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000





Legend

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Steele City Segment Routes

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 26 of 27

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

1:100,000

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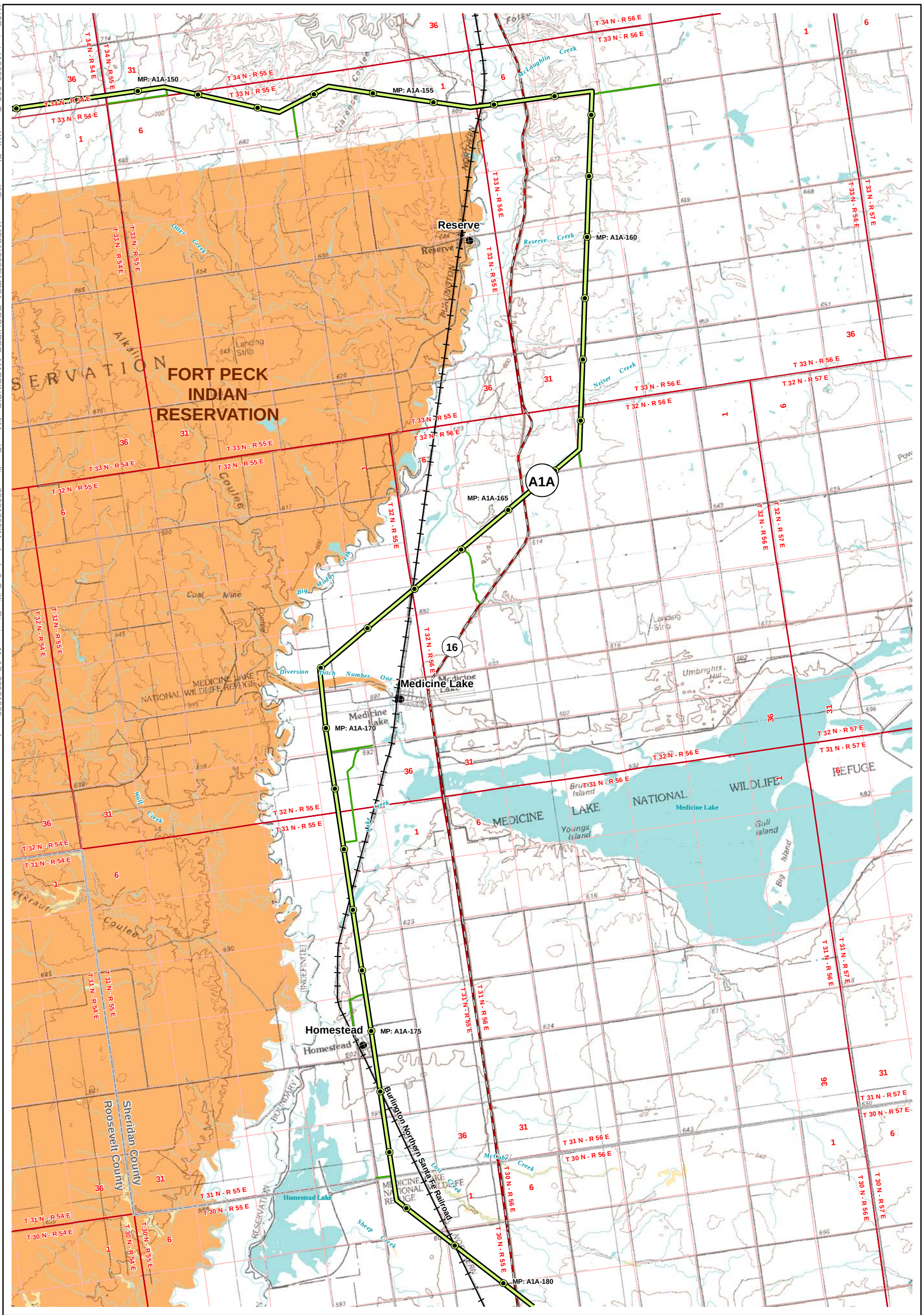

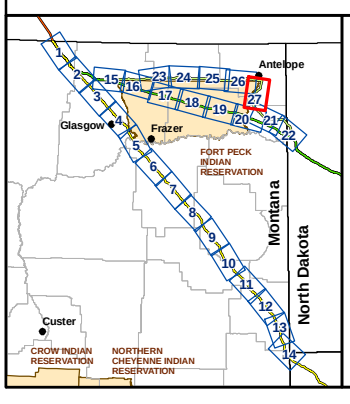

Legend

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Steele City Segment Routes

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Montana Study Area
KEYSTONE XL PROJECT

ConocoPhillips — TransCanada

Mapbook 6
Soils Requiring Drilling/Blasting or Heavy Ripping

Map 27 of 27

0 0.5 1 2 Miles
0 0.5 1 2 Kilometers
1:100,000