APPENDIX A:
MAPS & FIGURES

List of Maps and Figures

Figure 1. Project Location and General Vicinity Map of the WY22/US89 Proposed Middle Phase Pathway, Teton County, Wyoming.

Figure 2. Natural Resource Overlay (NRO) and the Scenic Resource Overlay (SRO) Overlay Map for the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 3 (A-E). Alternative Design Layouts for the Proposed WY22/US89 Middle Phase Pathway Project, Teton County, Wyoming.

Figure 4. Vegetation Cover Types for the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 4a. Soil Types for the Proposed WY22/US989 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 4b. Vegetation Cover Type Impacts from the Proposed WY22/US89 Middle Phase Pathway Project, Teton County, Wyoming.

Figure 5. Aquatic Resource Inventory Map of SR 22 Middle Phase Project Area, Teton County, Wyoming.

Figure 5a. Wetland Delineation Map of the East Segment of the WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 6. National Wetland Inventory (NWI) Map for the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 7. Bald Eagle/Peregrine Falcon Nests in the Vicinity of the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 7a. Moose Crucial Winter Range in the Vicinity of the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 7b. Elk Crucial Ranges in the Vicinity of the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

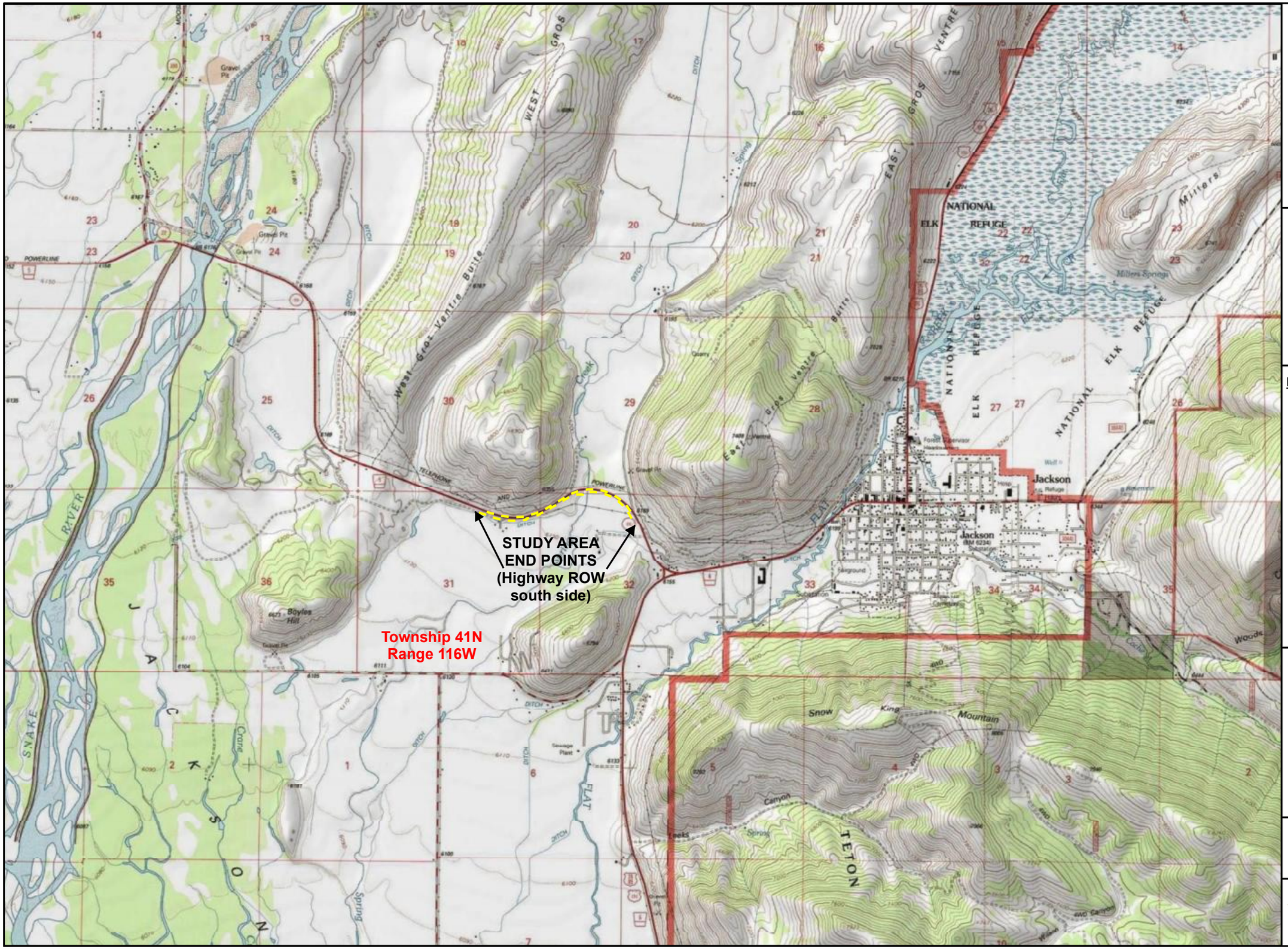
Figure 7c. Mule Deer Crucial Ranges in the Vicinity of the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 7d. Bear Conflict Priority Map for the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 8. The ½-mile Vicinity Area Map for the Proposed WY22/US89 Middle Phase Pathway Project Area, Teton County, Wyoming.

Figure 9 (A-L). Proposed Railing and Wall Design Plans for the Proposed WY22/US89 Middle Phase Pathway Project.

Figure 10. Proposed Conceptual Mitigation for the Proposed WY22/US89 Middle Phase Pathway Project, Teton County, Wyoming.



Aquatic Resources Inventory

JH Community Pathways

Pathway 22 East
State Highway 22
Teton County, WY

FIGURE 1:

Project Location and General Vicinity Map of the SR22/WY89 Proposed Pathway, Teton County, Wyoming.

March 14, 2016

Description:

Landowners:
- State of Wyoming
- Pittsburgh National Bank, Trustee PNC Bank Co.
- Four Lazy F Ranch

WY Highway 22
Right-of-Way

NE1/4 Sec 31, NW1/4 Sec. 32, & SW1/4 Sec. 29
Township 41N, Range 116W

USGS Topographic 1:24,000 Map

1 inch = 0.5 miles

0 0.25 0.5 Miles

NORTH

ALDER ENVIRONMENTAL, LLC
Water • Wetlands • Ecological Consulting
P.O. Box 6519, Jackson, Wyoming 83002
(307) 733-5031 www.alderenvironmental.com

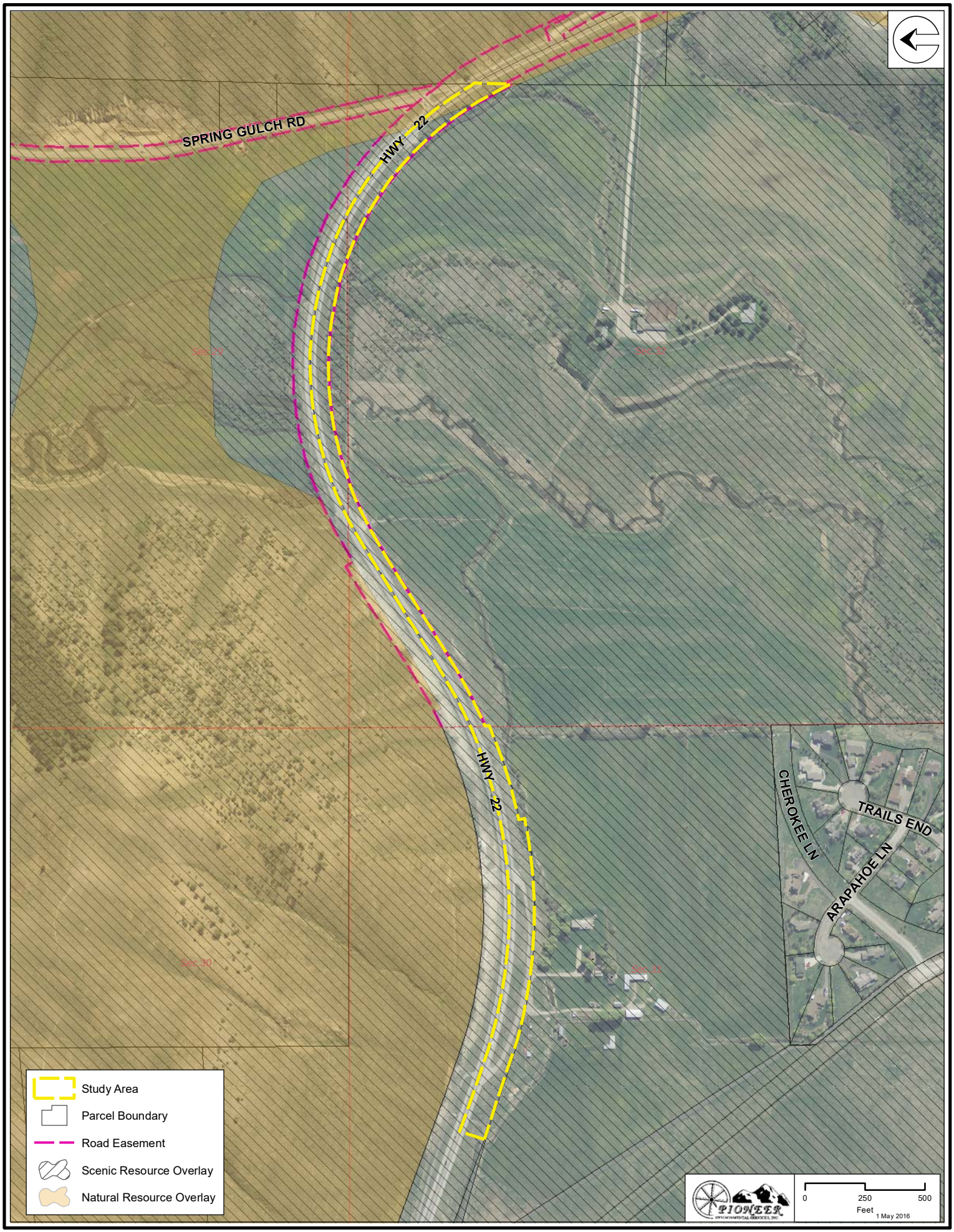
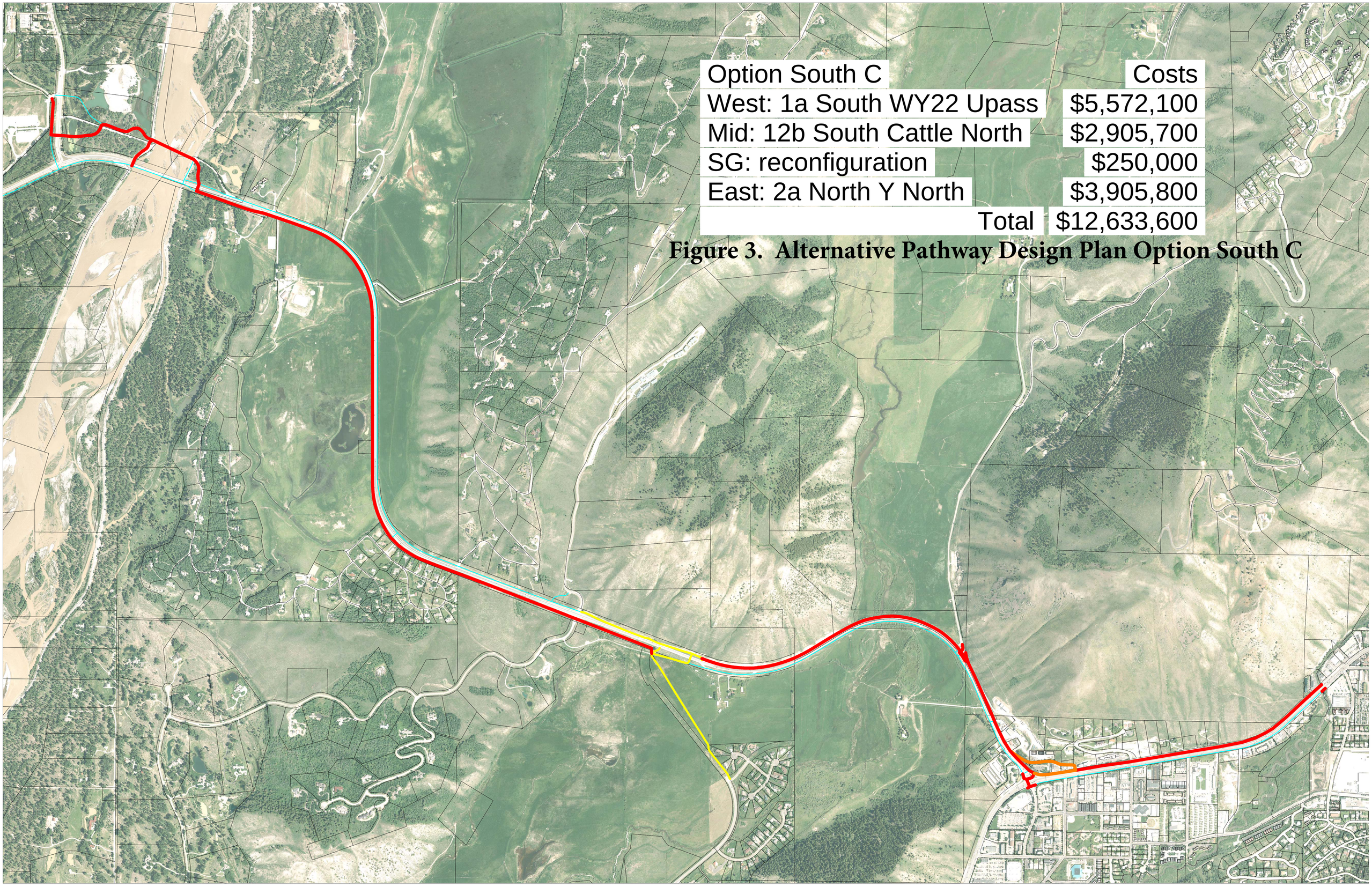
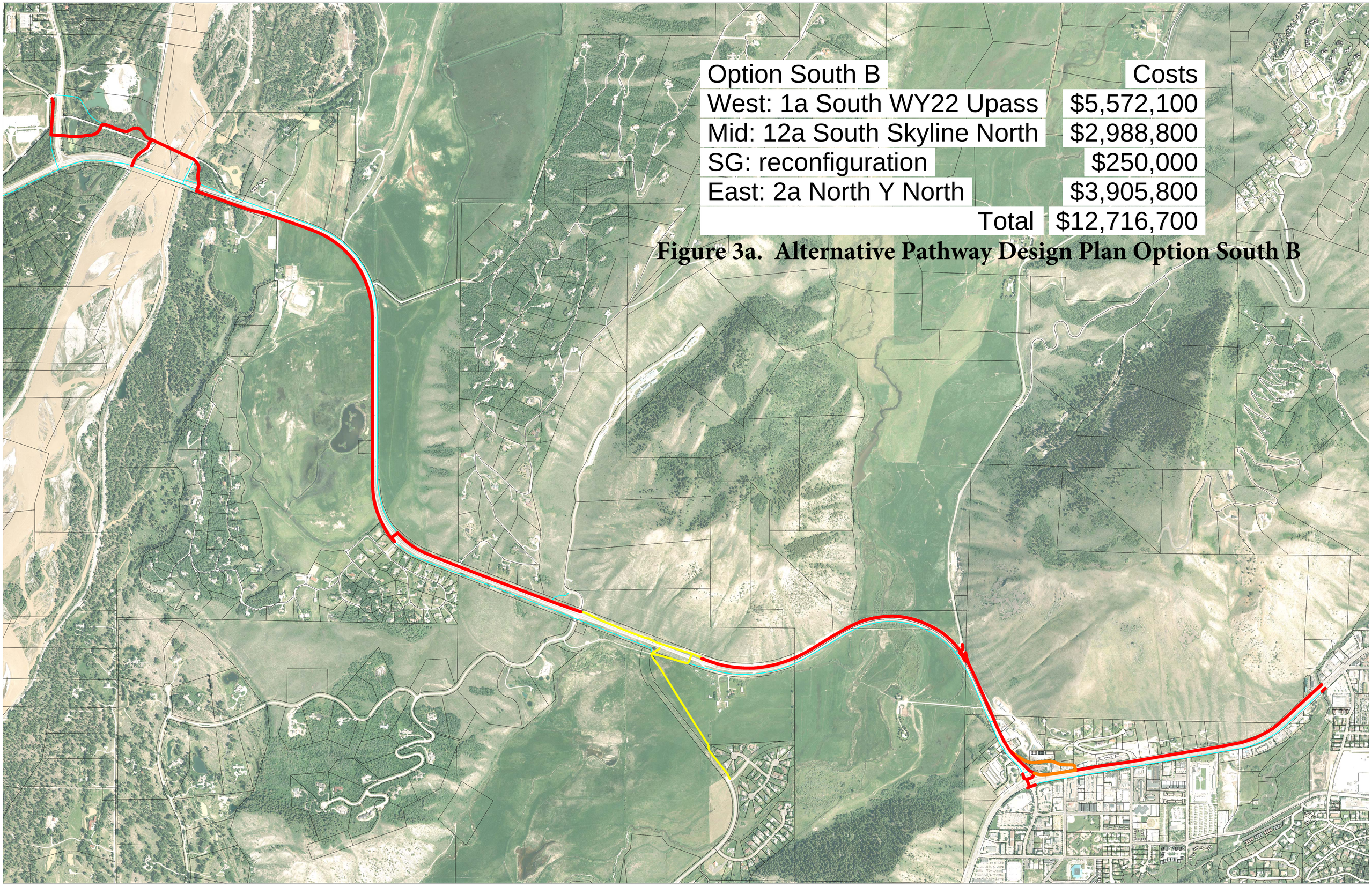


Figure 2. Natural Resource Overlay (NRO) and the Scenic Resource Overlay (SRO) Overlay Map for the Proposed Project Area, Teton County, Wyoming.



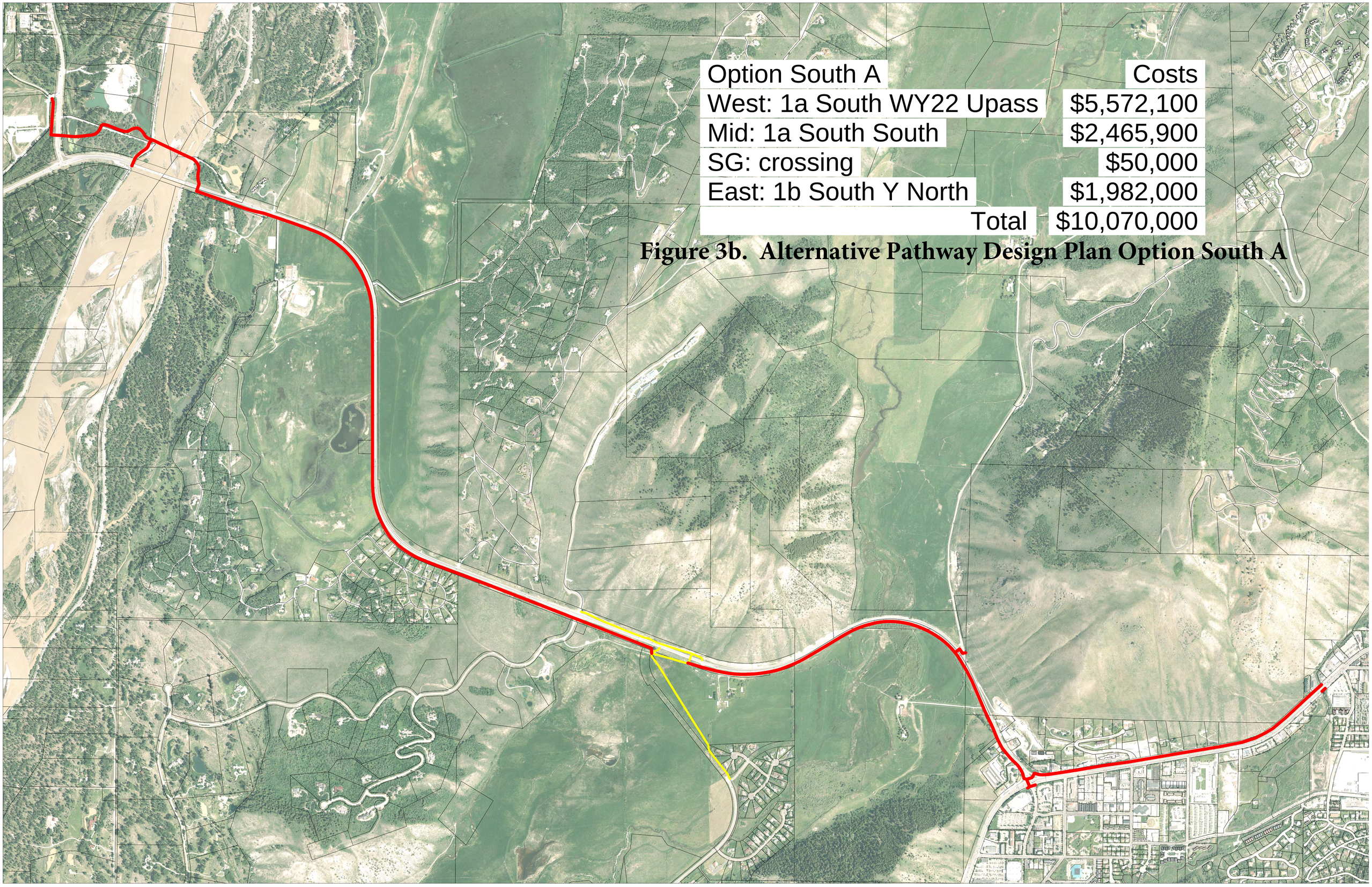
Option South C	Costs
West: 1a South WY22 Upass	$5,572,100
Mid: 12b South Cattle North	$2,905,700
SG: reconfiguration	$250,000
East: 2a North Y North	$3,905,800
Total	$12,633,600

Figure 3. Alternative Pathway Design Plan Option South C



Option South B	Costs
West: 1a South WY22 Upass	$5,572,100
Mid: 12a South Skyline North	$2,988,800
SG: reconfiguration	$250,000
East: 2a North Y North	$3,905,800
Total	$12,716,700

Figure 3a. Alternative Pathway Design Plan Option South B



Option South A	Costs
West: 1a South WY22 Upass	$5,572,100
Mid: 1a South South	$2,465,900
SG: crossing	$50,000
East: 1b South Y North	$1,982,000
Total	$10,070,000

Figure 3b. Alternative Pathway Design Plan Option South A

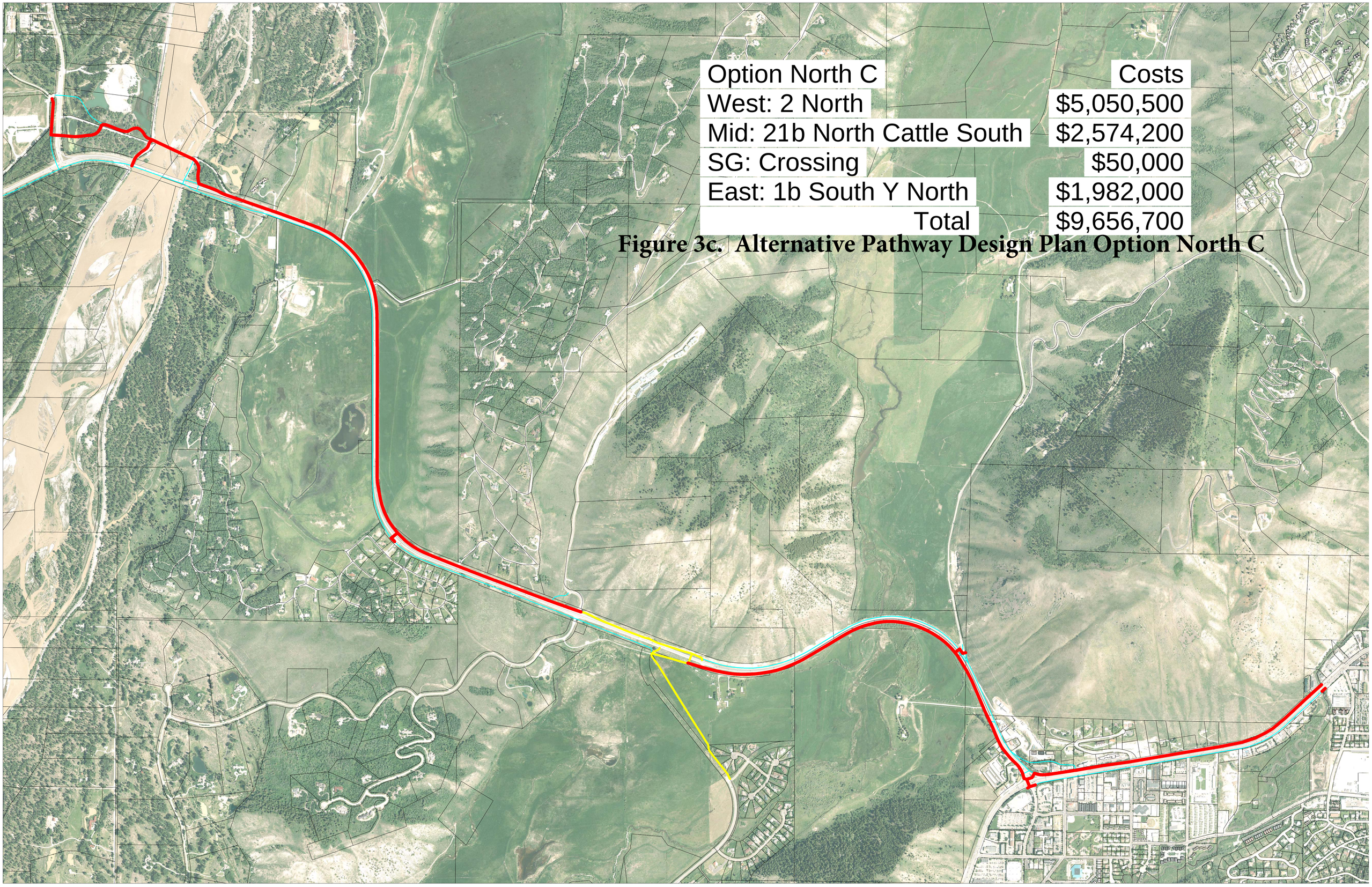


Figure 3c. Alternative Pathway Design Plan Option North C

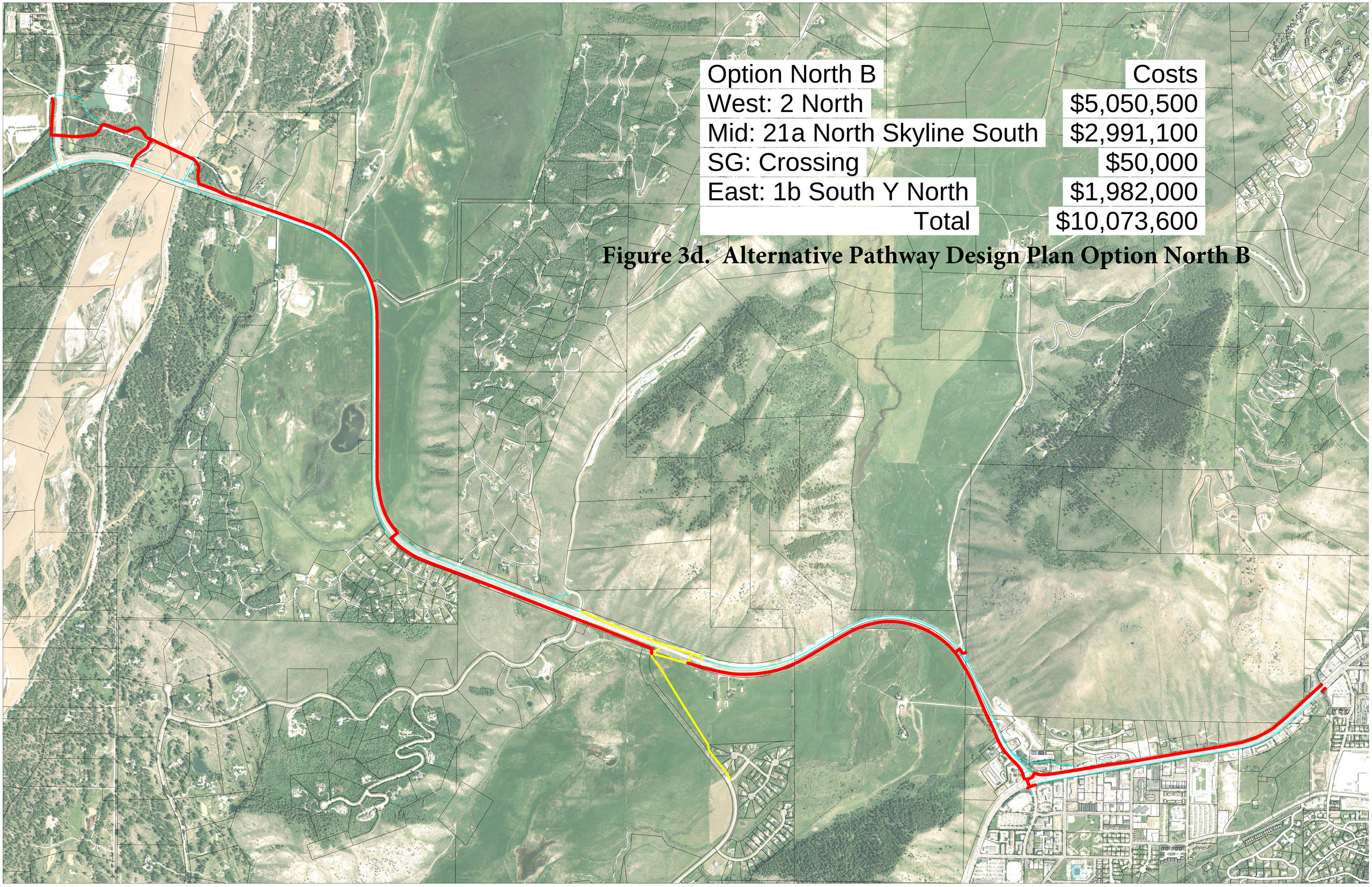


Figure 3d. Alternative Pathway Design Plan Option North B

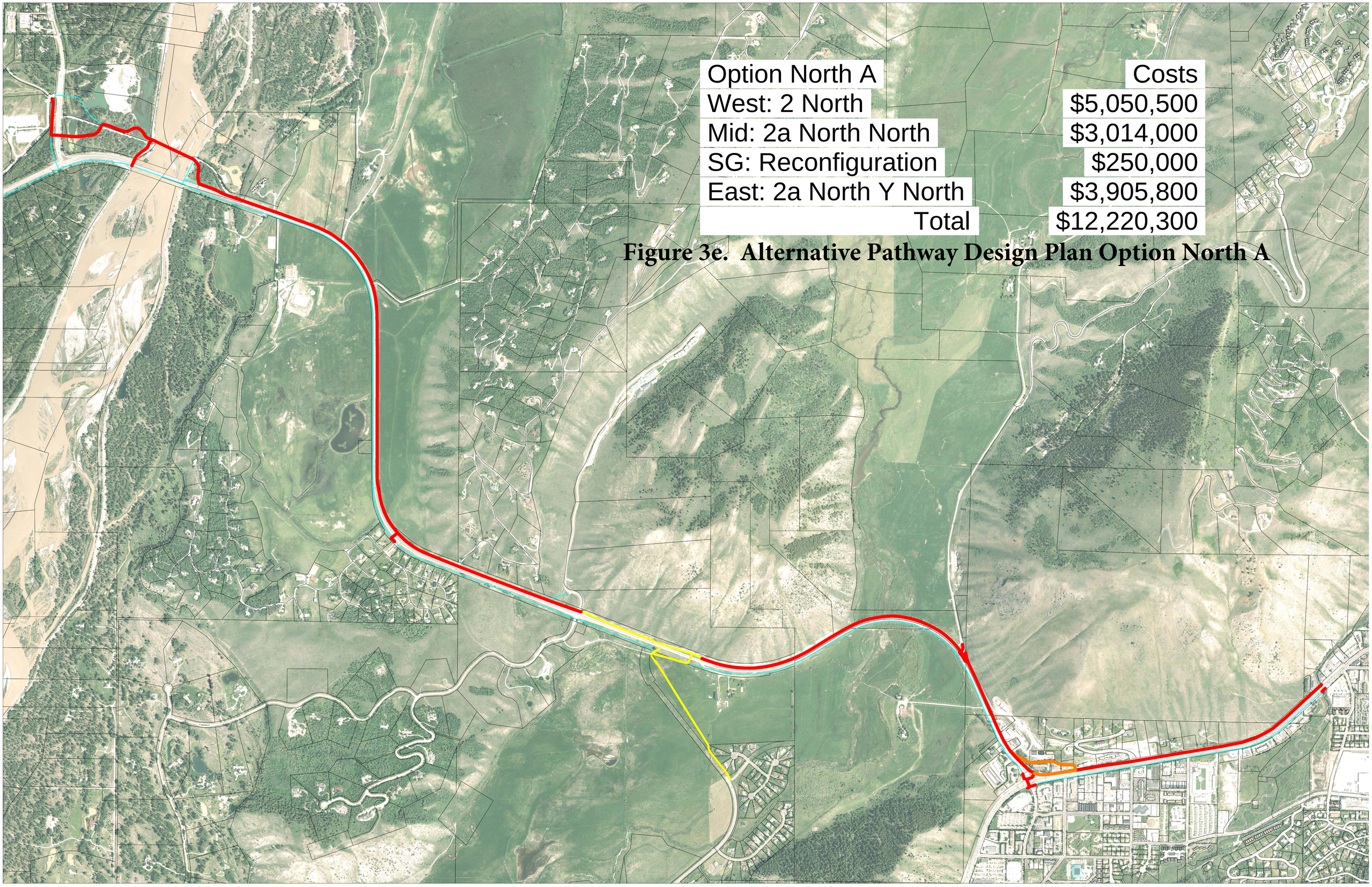


Figure 3e. Alternative Pathway Design Plan Option North A

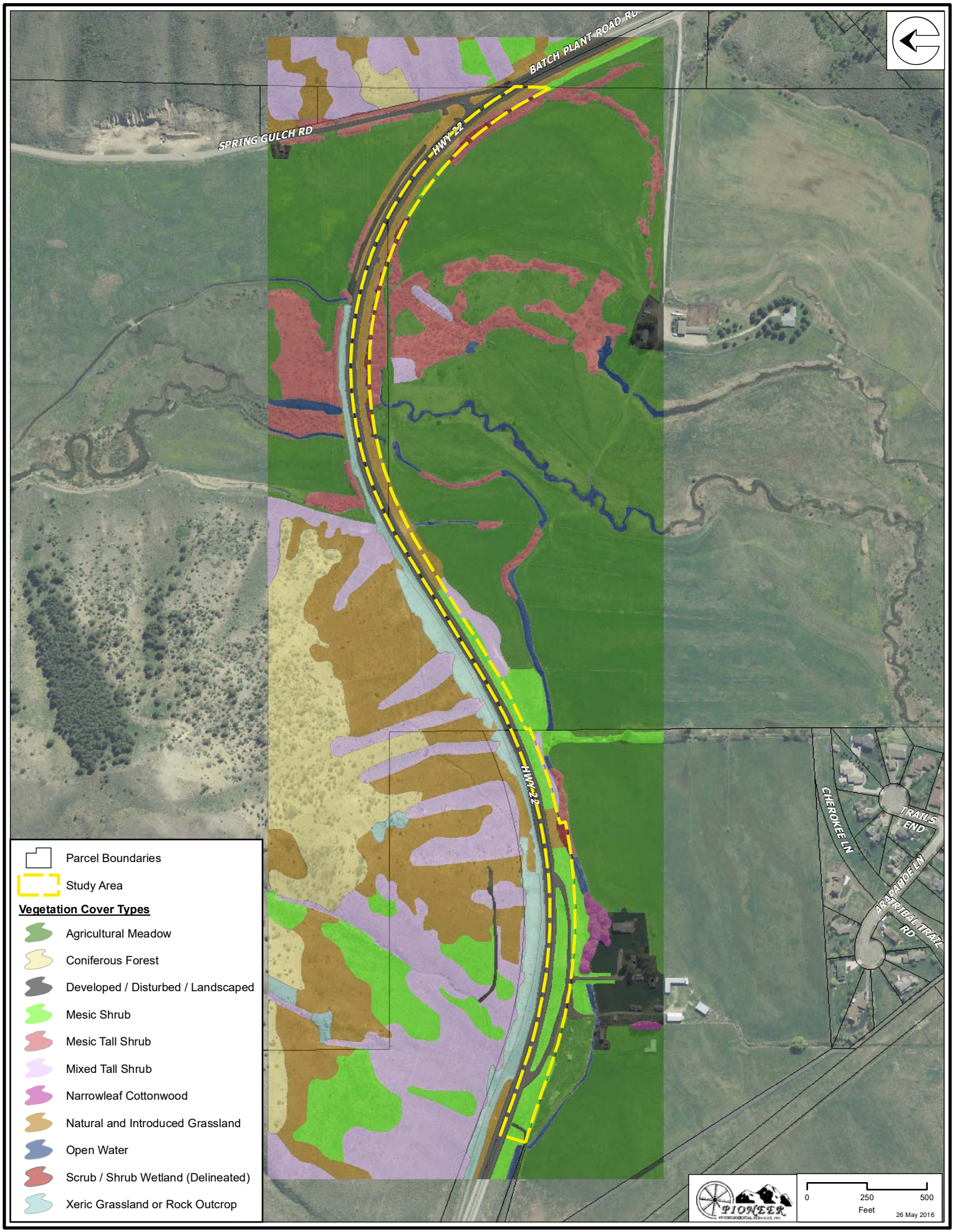


Figure 4. Vegetation Cover Types for the Proposed Project Area, Teton County, Wyoming.

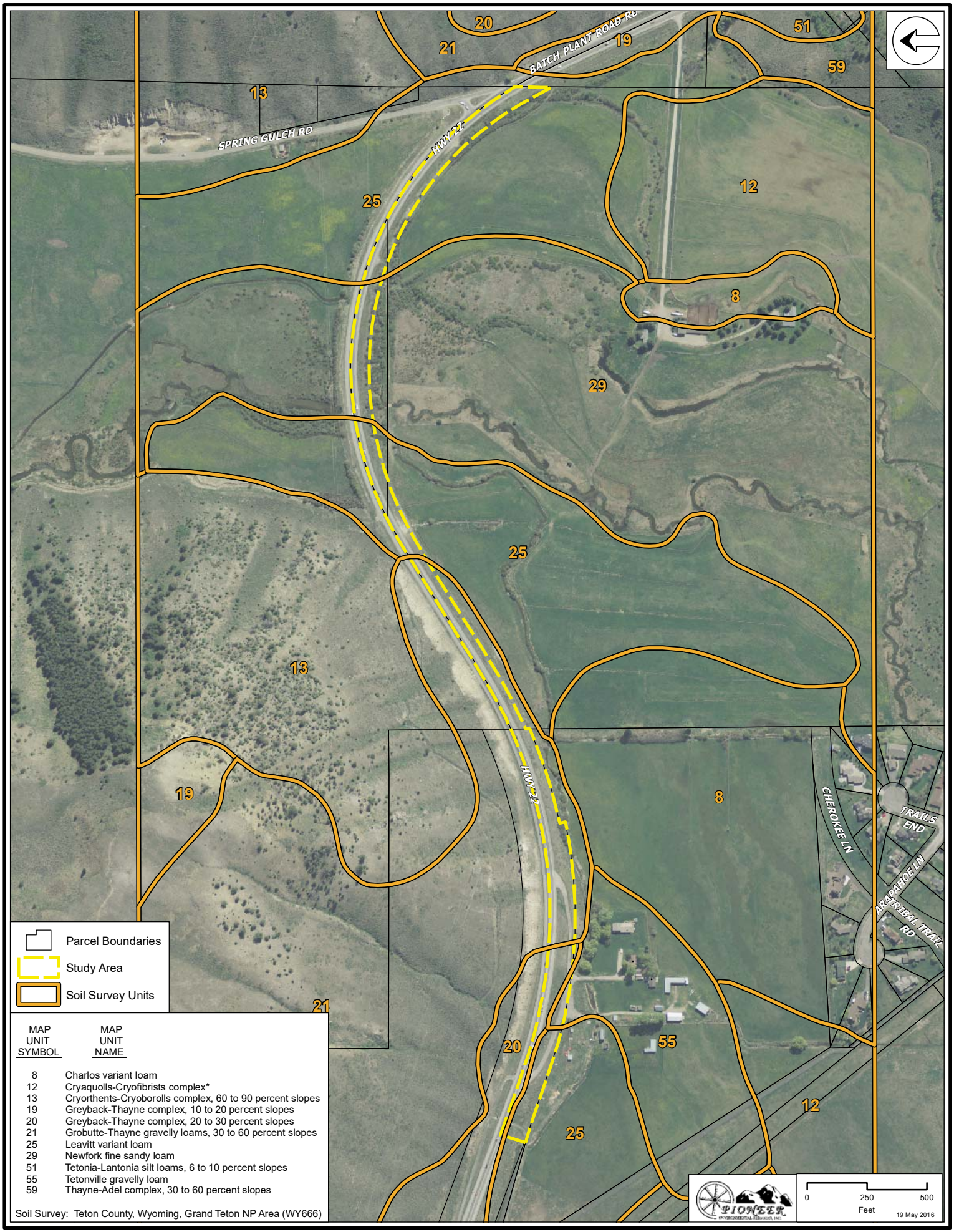
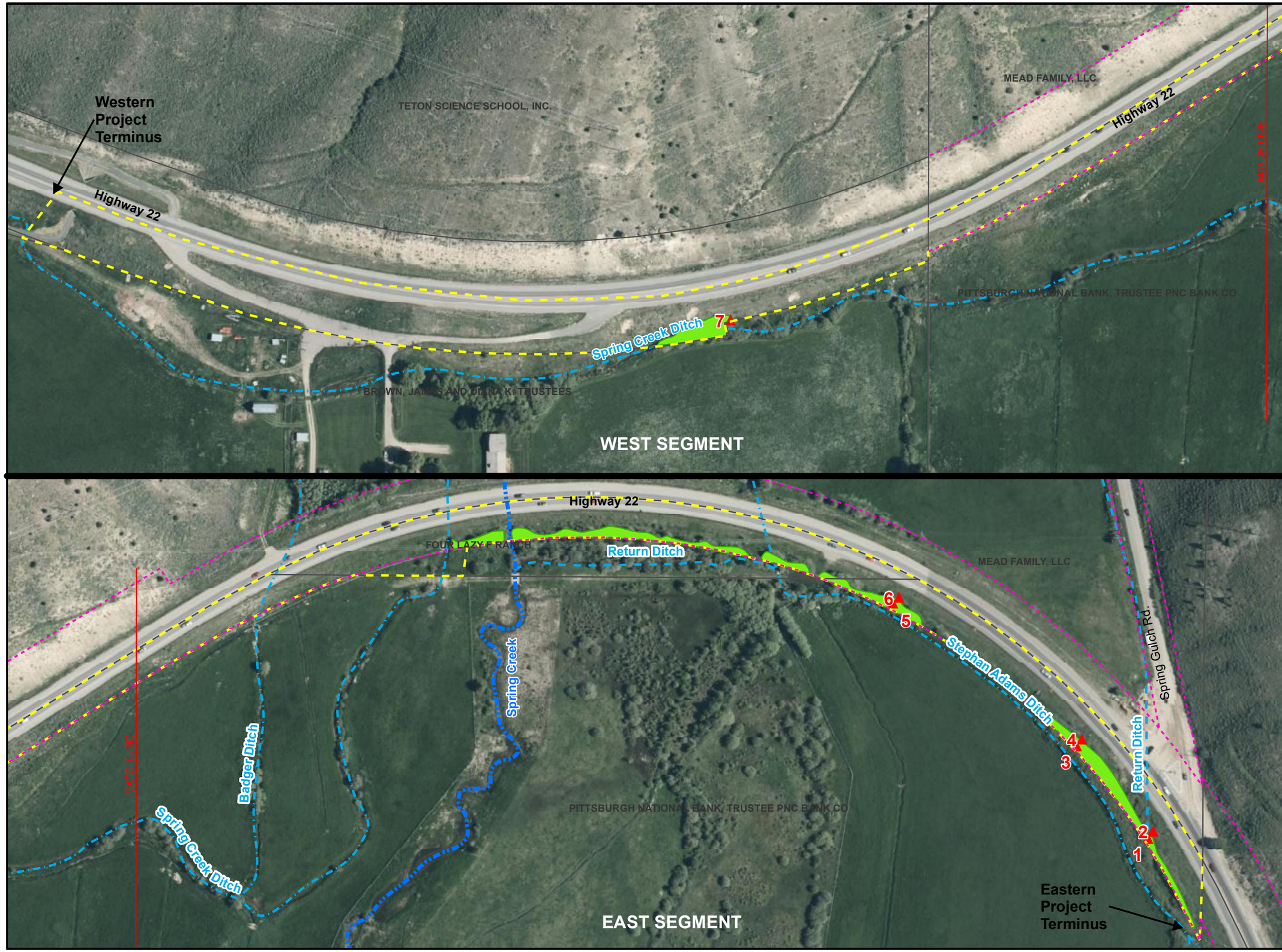


Figure 4a. Soil Types for the Proposed Project Area, Teton County, Wyoming.



Aquatic Resources Inventory

JH Community Pathways

Pathway 22 East
State Highway 22
Teton County, WY

NE1/4 Sec 31, NW1/4 Sec. 32, & SW1/4 Sec. 29
Township 41N, Range 116W

FIGURE 5:
Aquatic Resource Inventory Map of the Project Area, Teton County, Wyoming .

March 14, 2016

Legend:

- Study Area
- Parcel Boundary
- Highway Easement
- 1 Wetland Sample Points

Aquatic Resources

- Delineated Wetland
- Spring Creek
- Supply Ditch
- Return Ditch

Aerial Imagery:
June 13 & 14, 2015 Teton County GIS

Wetland Delineations:
March 5, 2015 & March 10, 2016
October 13, 2011

1 inch = 175 feet

0 87.5 175 Feet

NORTH

ALDER ENVIRONMENTAL, LLC
Water • Wetlands • Ecological Consulting
P.O. Box 6519, Jackson, Wyoming 83002
(307) 733-5031 www.alderenvironmental.com

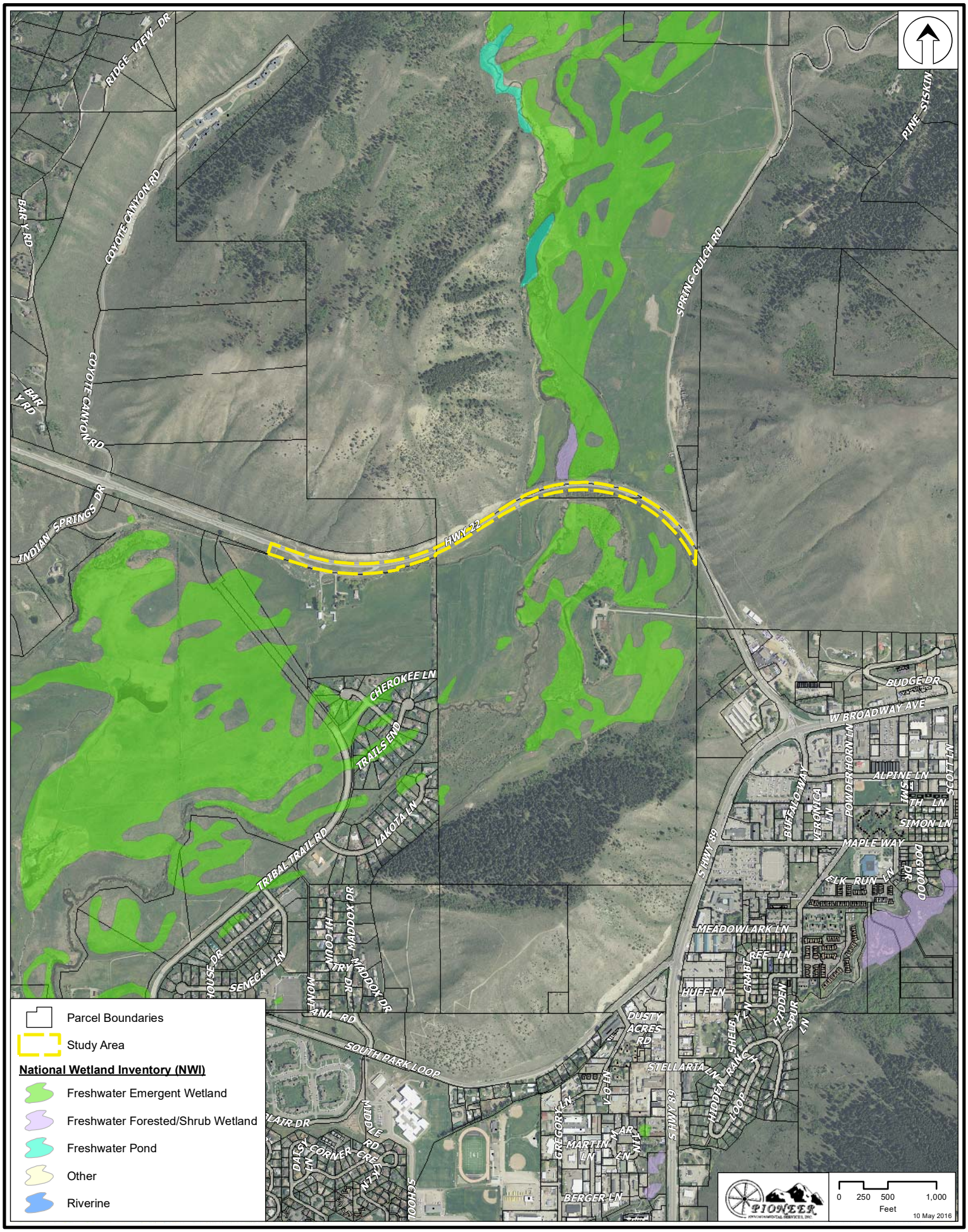


Figure 6. National Wetland Inventory (NWI) Map for the Proposed Project Area, Teton County, Wyoming.

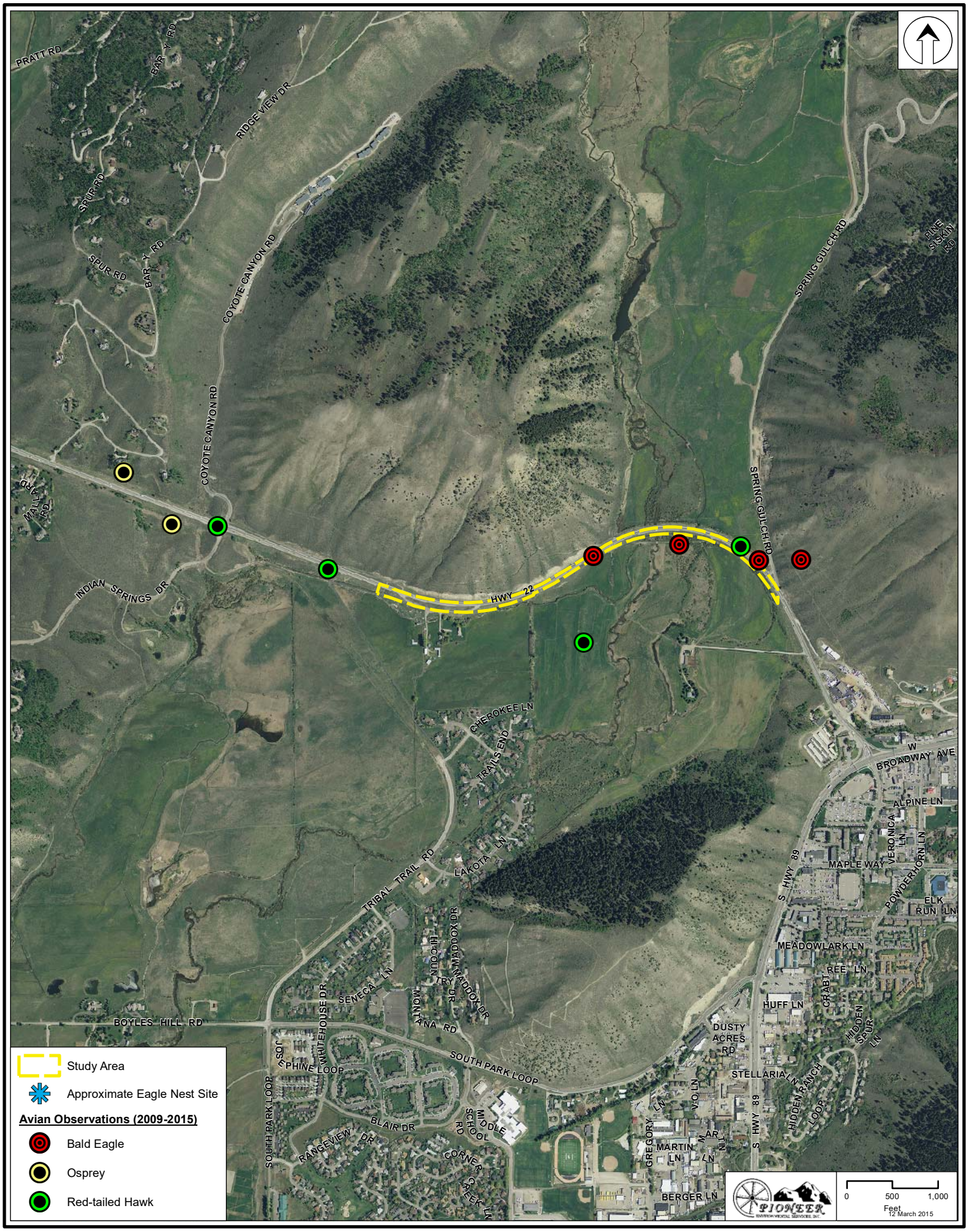


Figure 7. Bald Eagle/Peregrine Falcon Nests in the Vicinity of the Proposed Project Area, Teton County, Wyoming

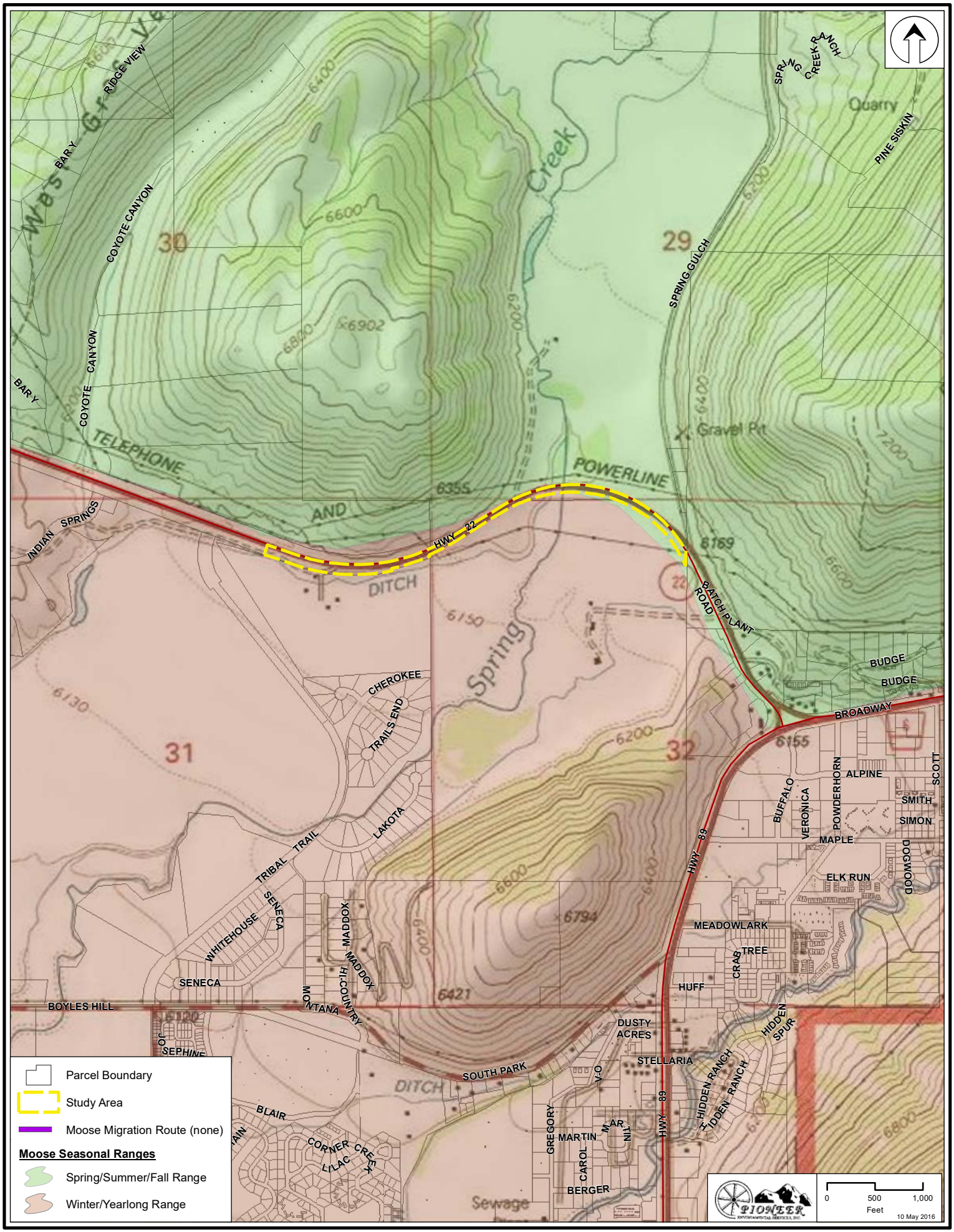


Figure 7a. Moose Priority Area for the Proposed Project Area, Teton County, Wyoming.

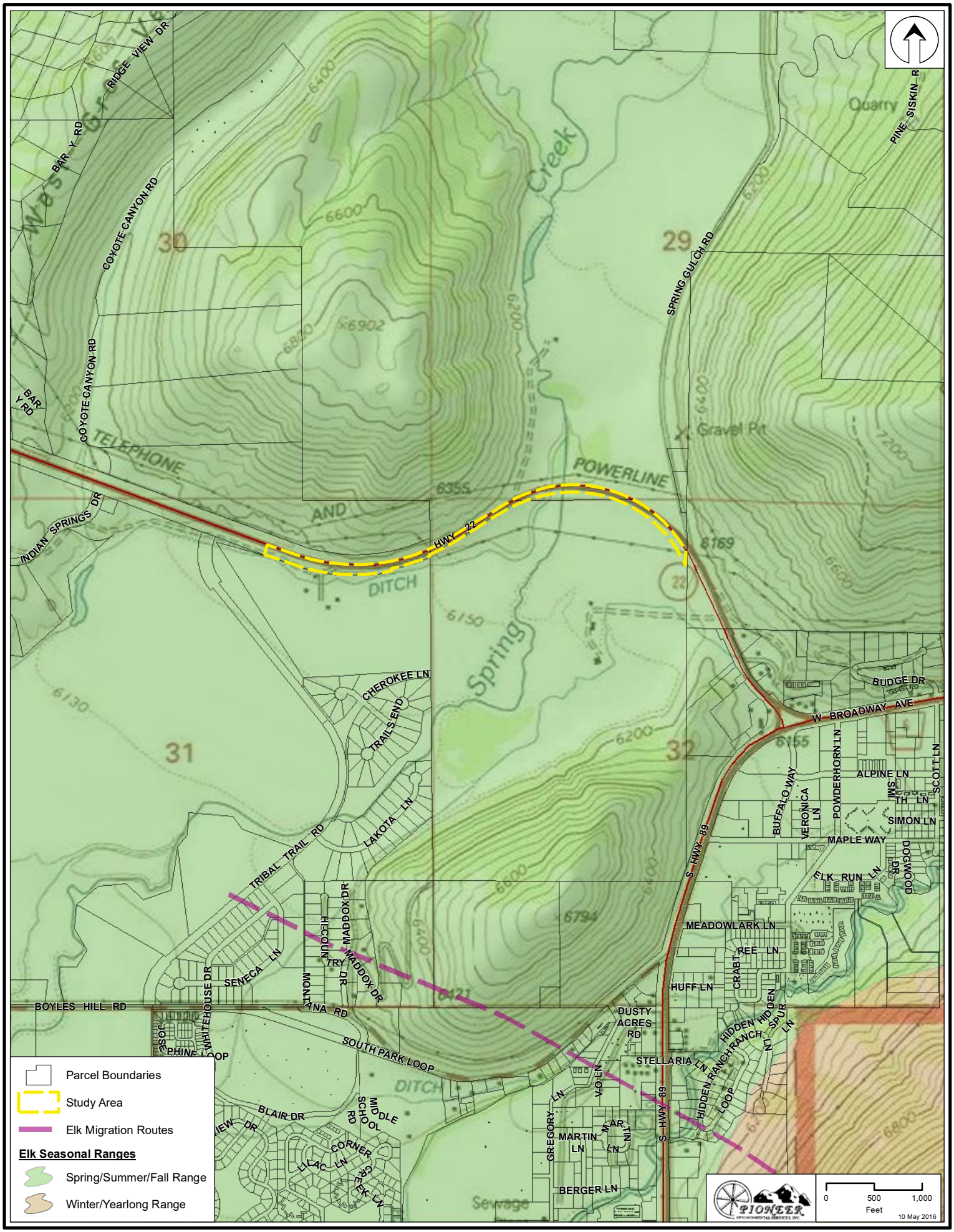


Figure 7b. Elk Critical Range for the Proposed Project Area, Teton County, Wyoming.

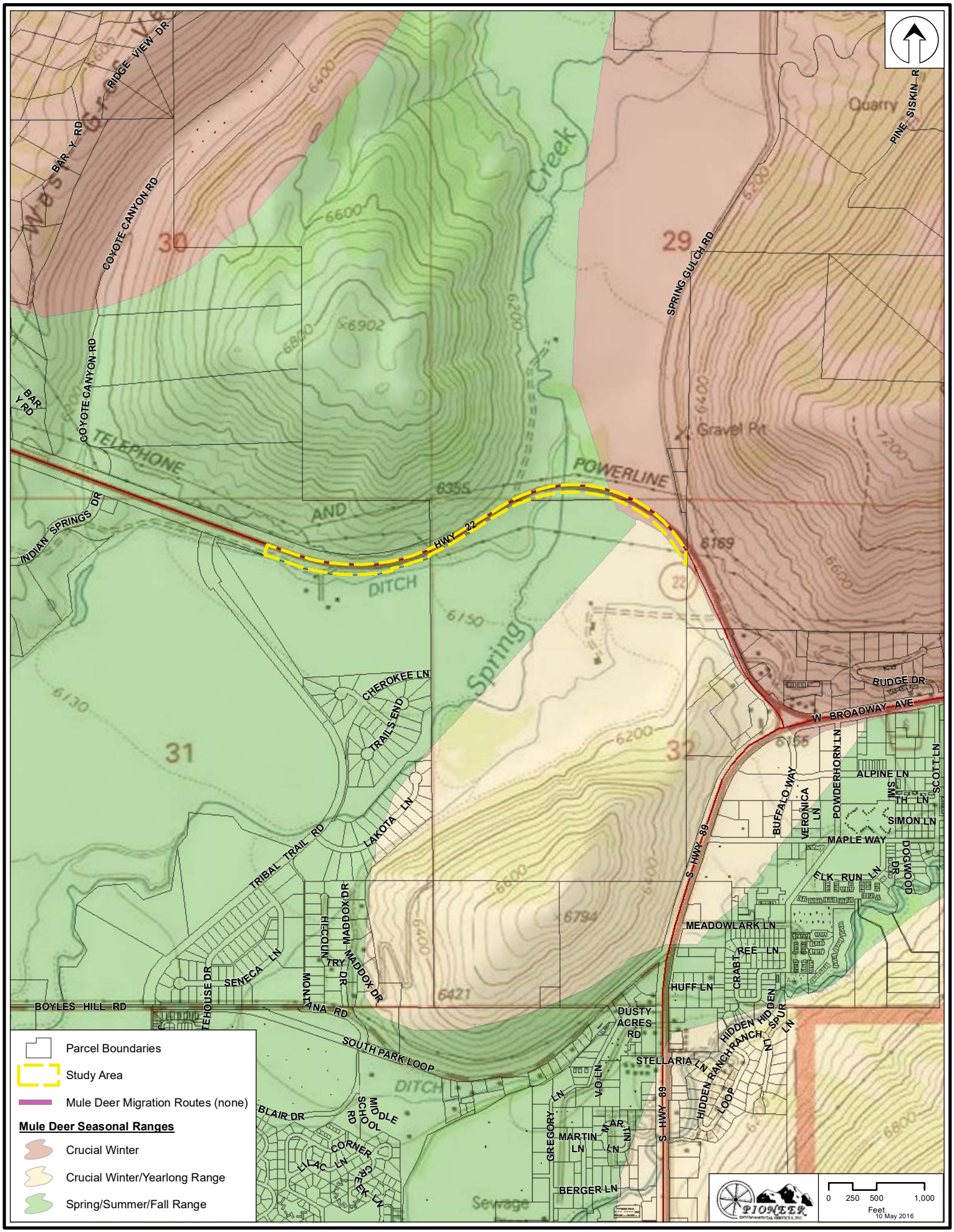


Figure 7c. Mule Deer Critical Range for the Proposed Project Area, Teton County, Wyoming.

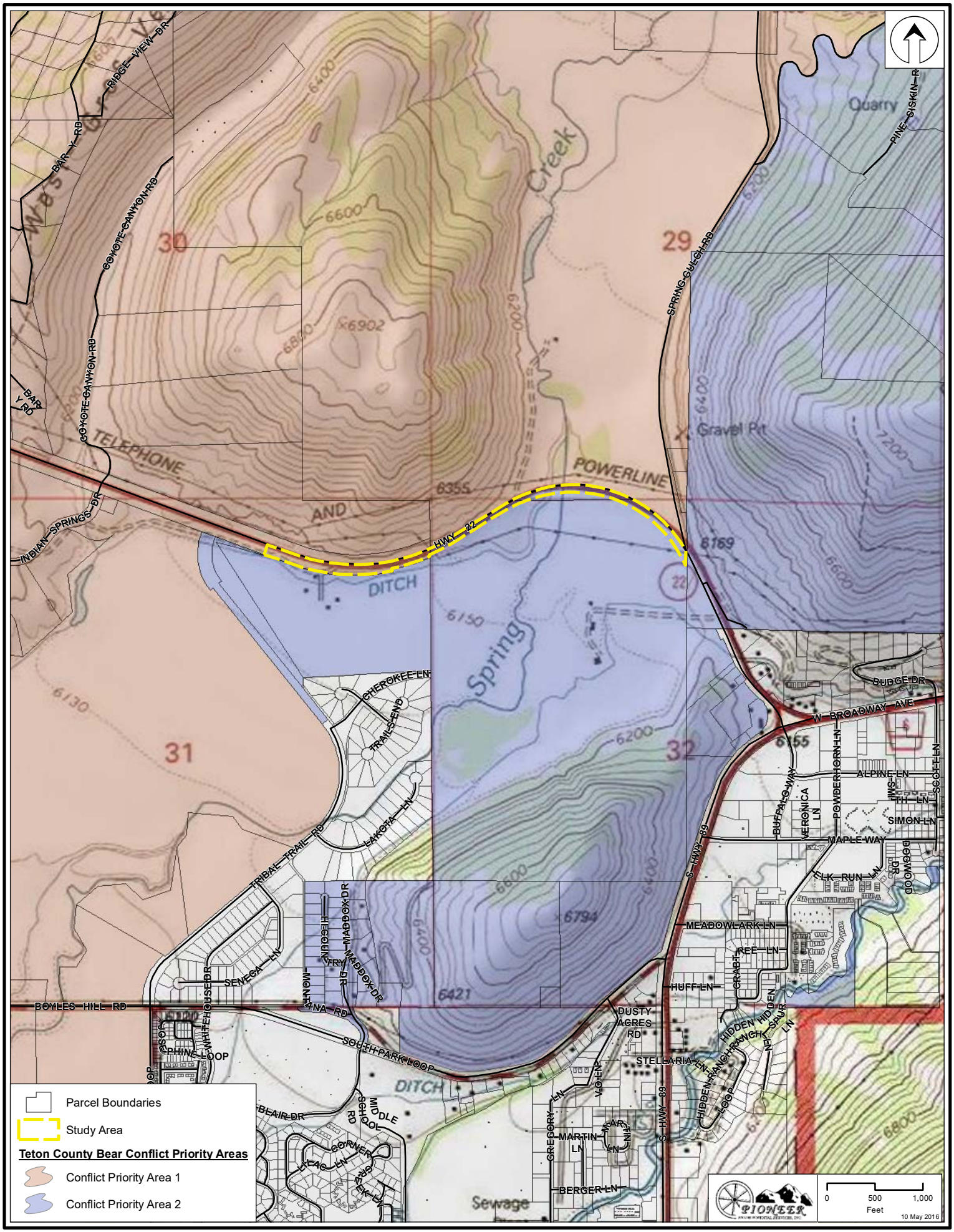


Figure 7d. Bear Conflict Priority Map for the Proposed Project Area, Teton County, Wyoming.

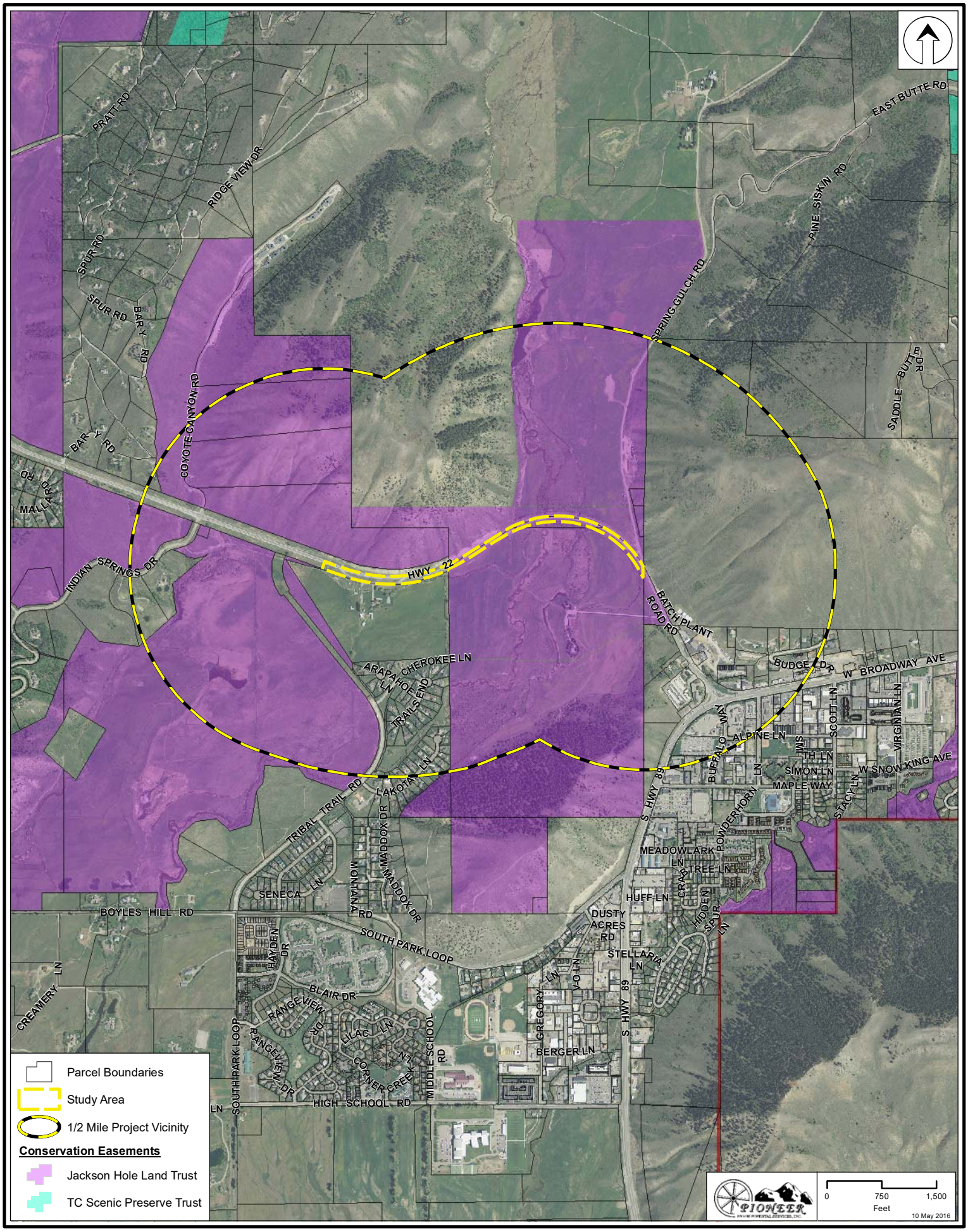
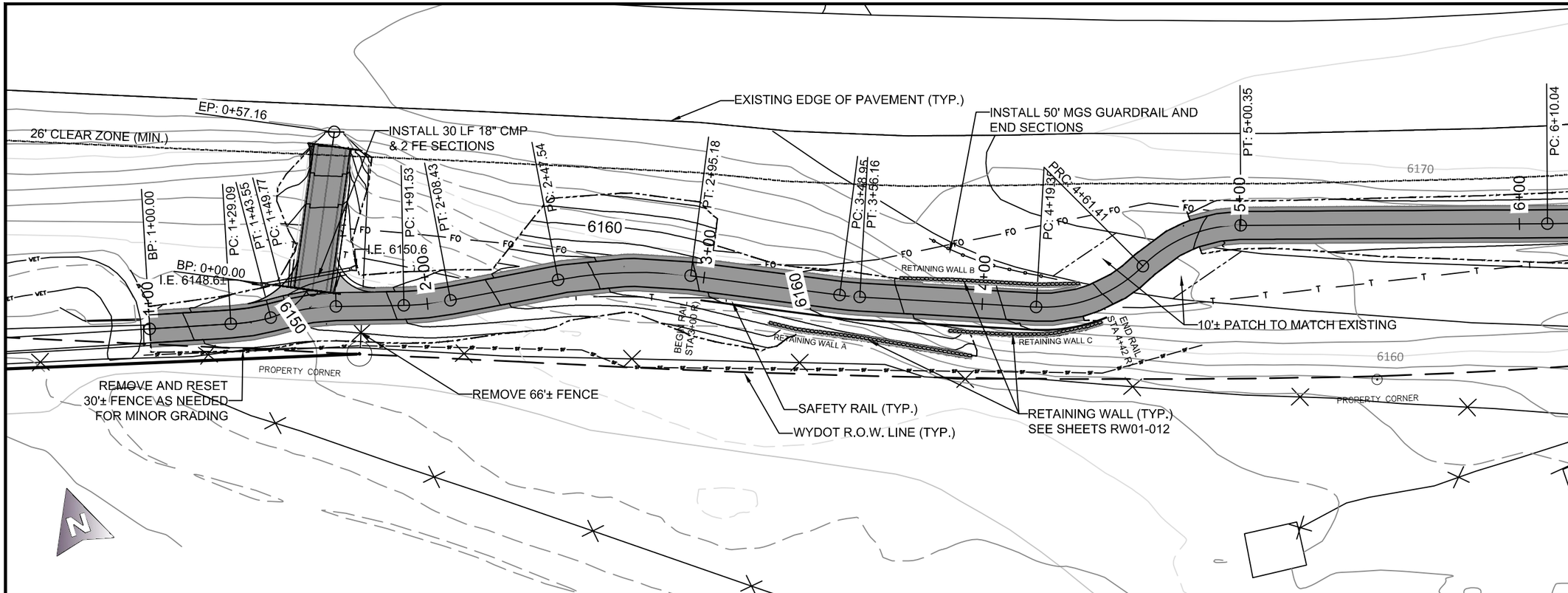
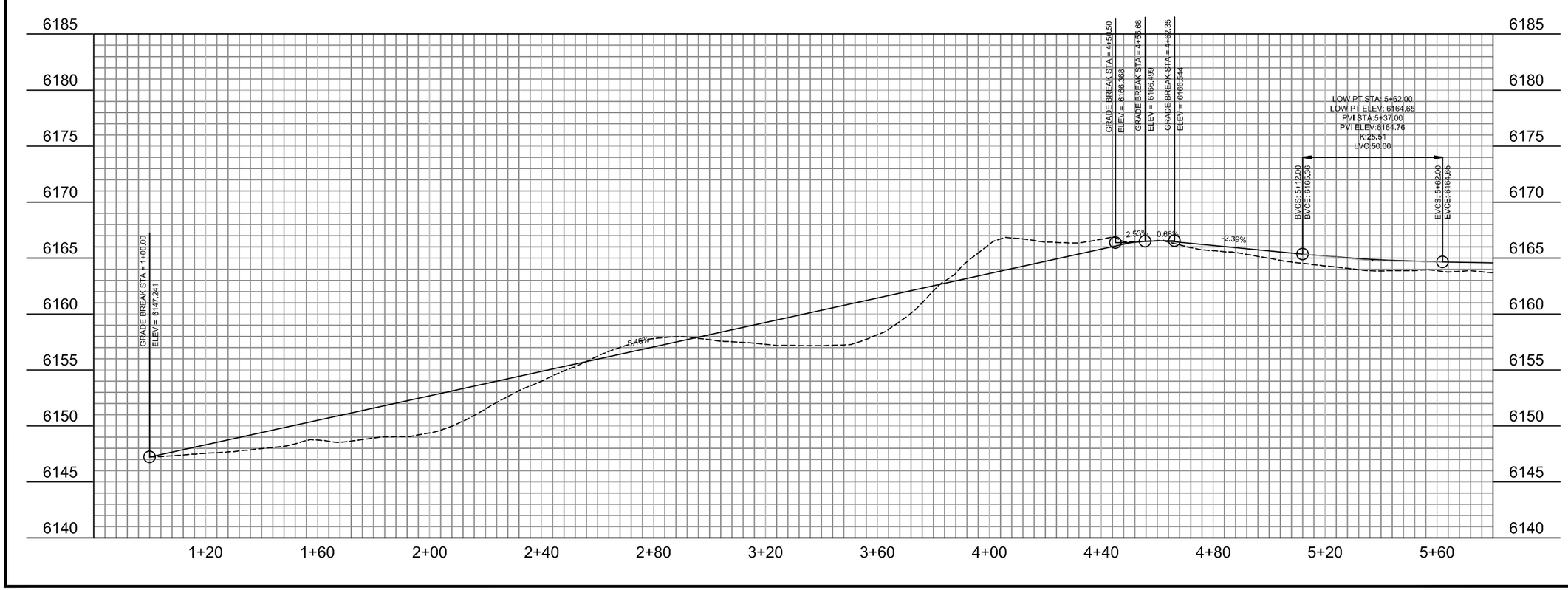


Figure 8. The ½ mile project vicinity impact area and conservation easements in the vicinity of the Proposed Project Area, Teton County, WY.





REVISIONS: 9A

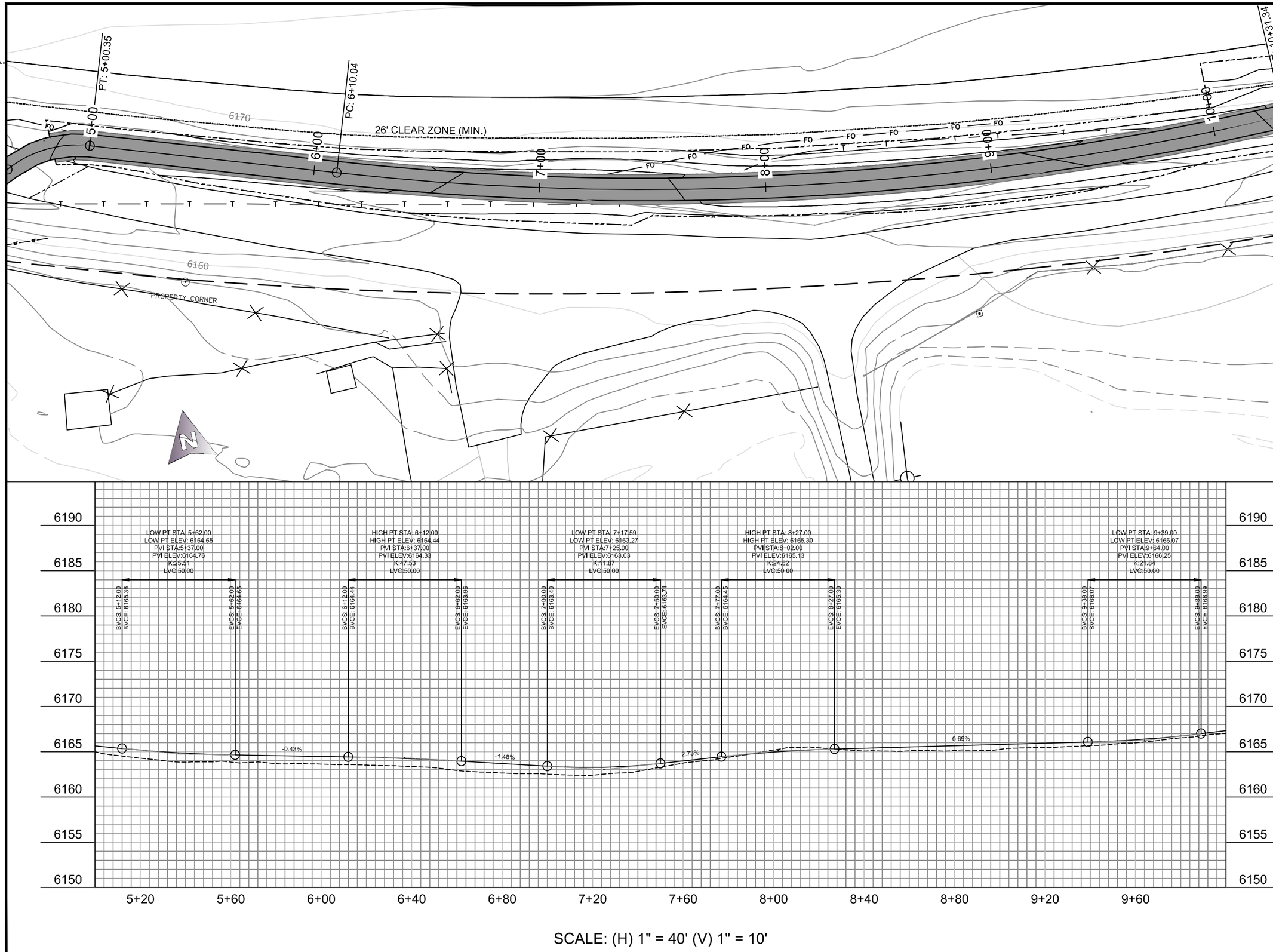
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP1

Y:\A_PROJECTS – Pathways\WY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <1+00.00 (1)> – May 10 2016 11:04:12 am PLOTTED BY: aramage

Figure 9A.



Y:\A_PROJECTS – Pathways\HW22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <4+60.00> – May 10 2016 11:04:45 am PLOTTED BY: aromage

TETON COUNTY WYOMING

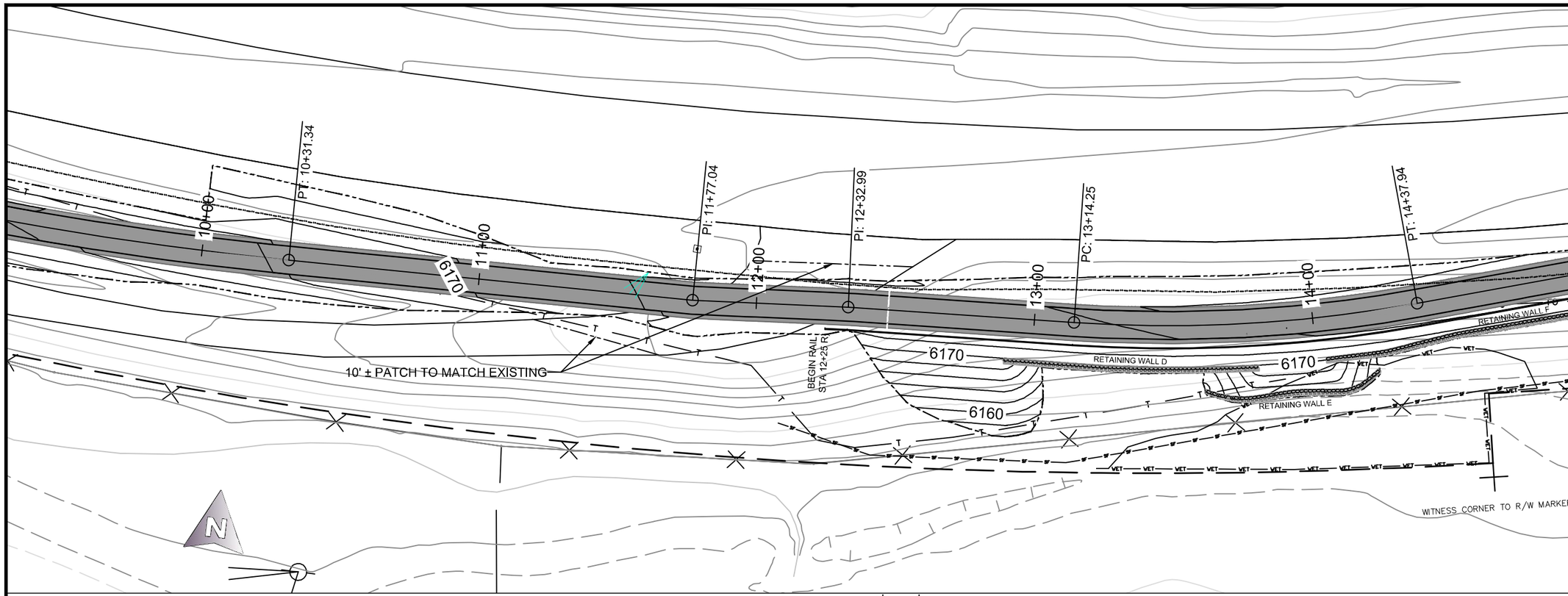
JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

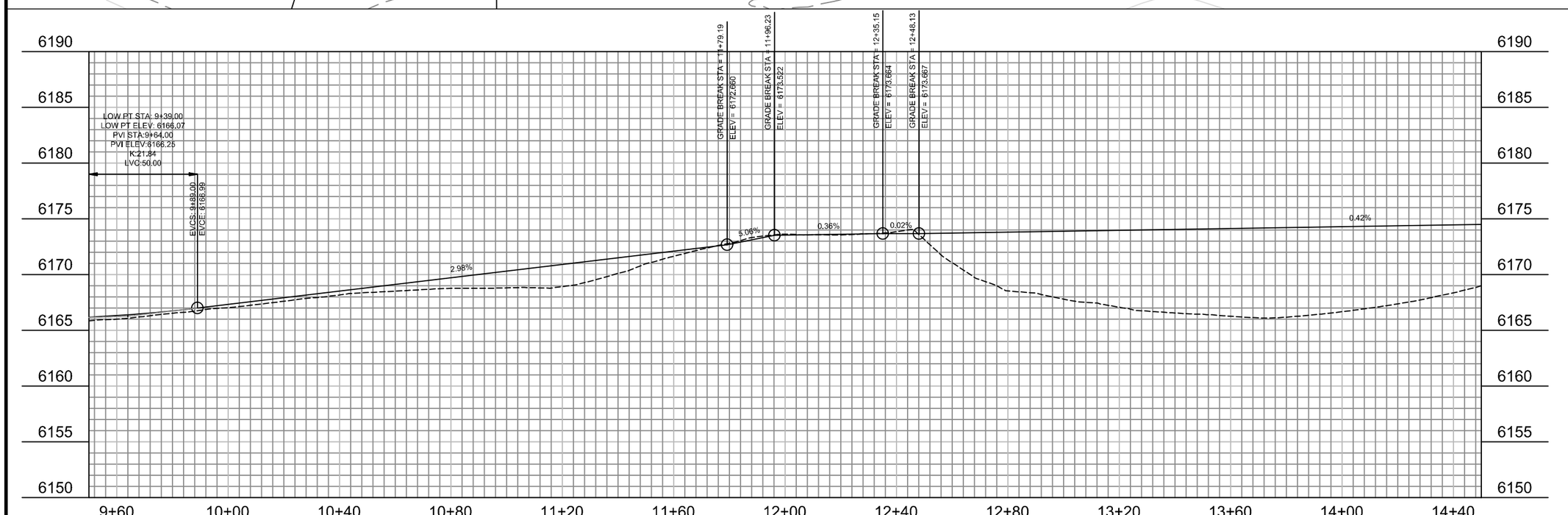
REVISIONS: 9B

MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP2





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

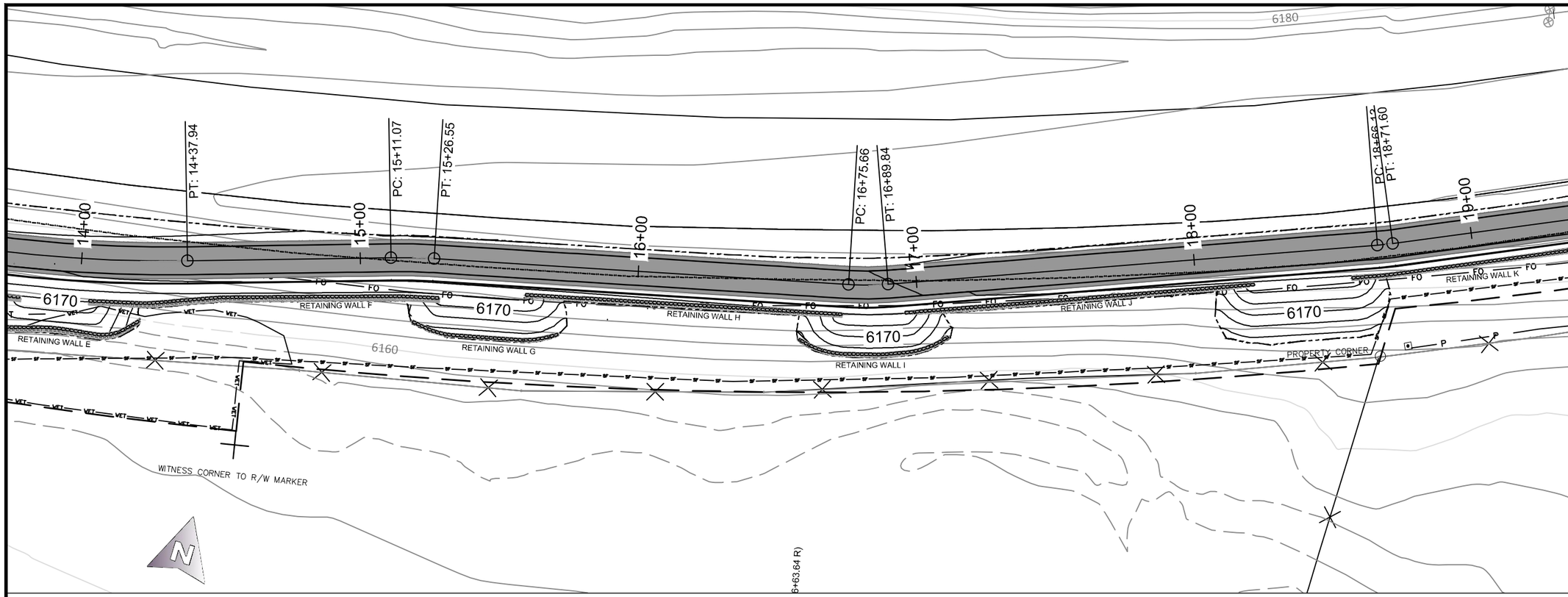
REVISIONS: 9C

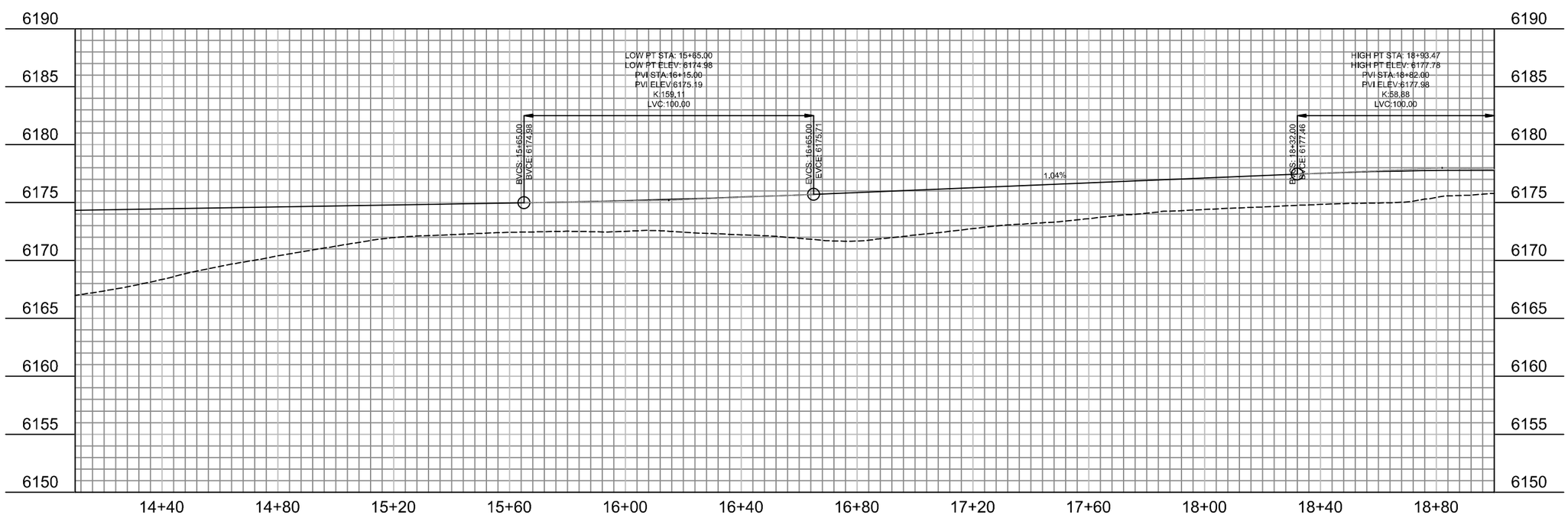
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP3

Y:\A. PROJECTS – Pathways\HWY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <9+20.00> – May 10 2016 11:05:21 am PLOTTED BY: aramage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS PATH 22

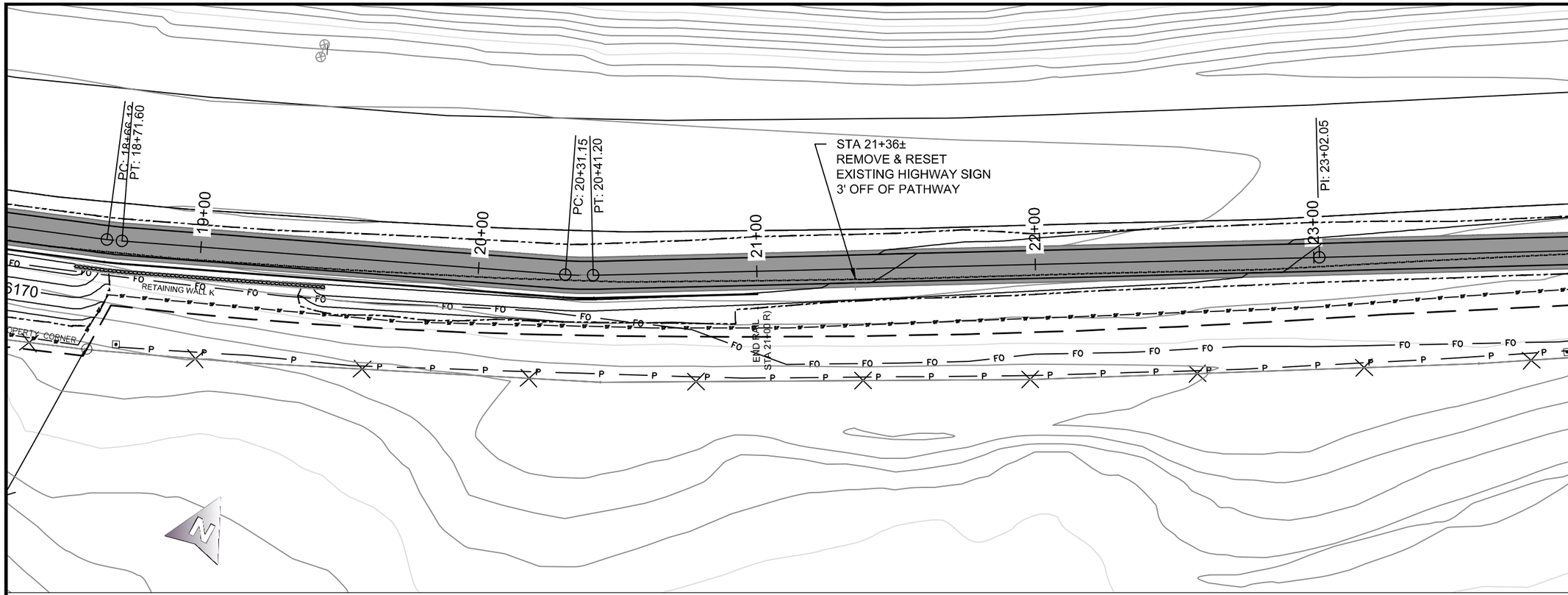
REVISIONS: 9D

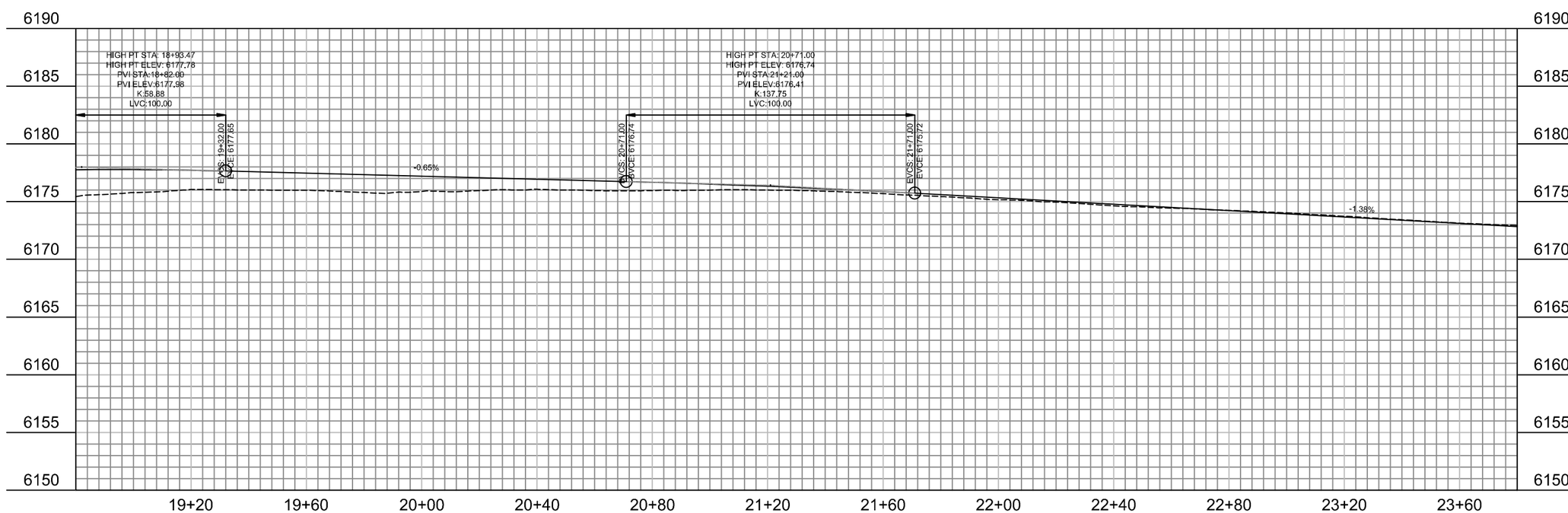
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP4

Y:\A_PROJECTS – Pathways\HW22\MIDDLE\PHASE_2\PLANS\W-22 PATHWAY_PHASE2_050916.dwg <13+80.00> – May 10 2016 11:05:58 am PLOTTED BY: aramage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

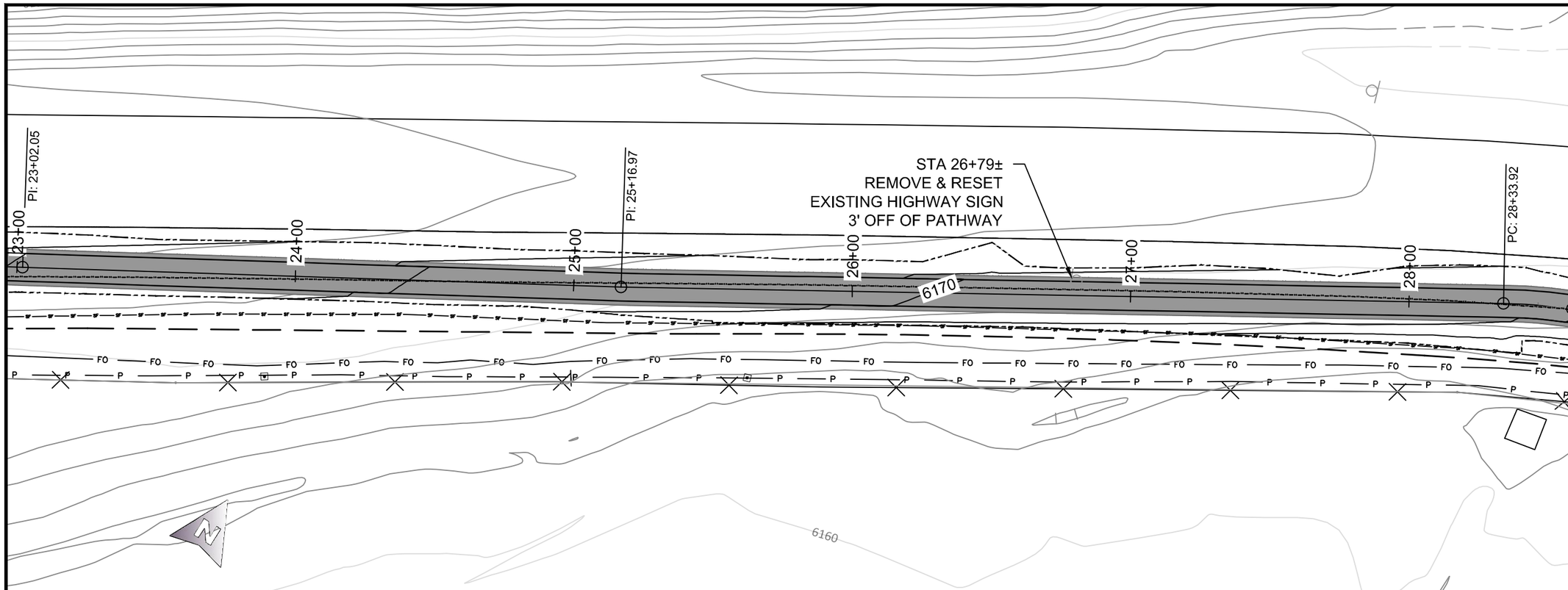
REVISIONS: 7C

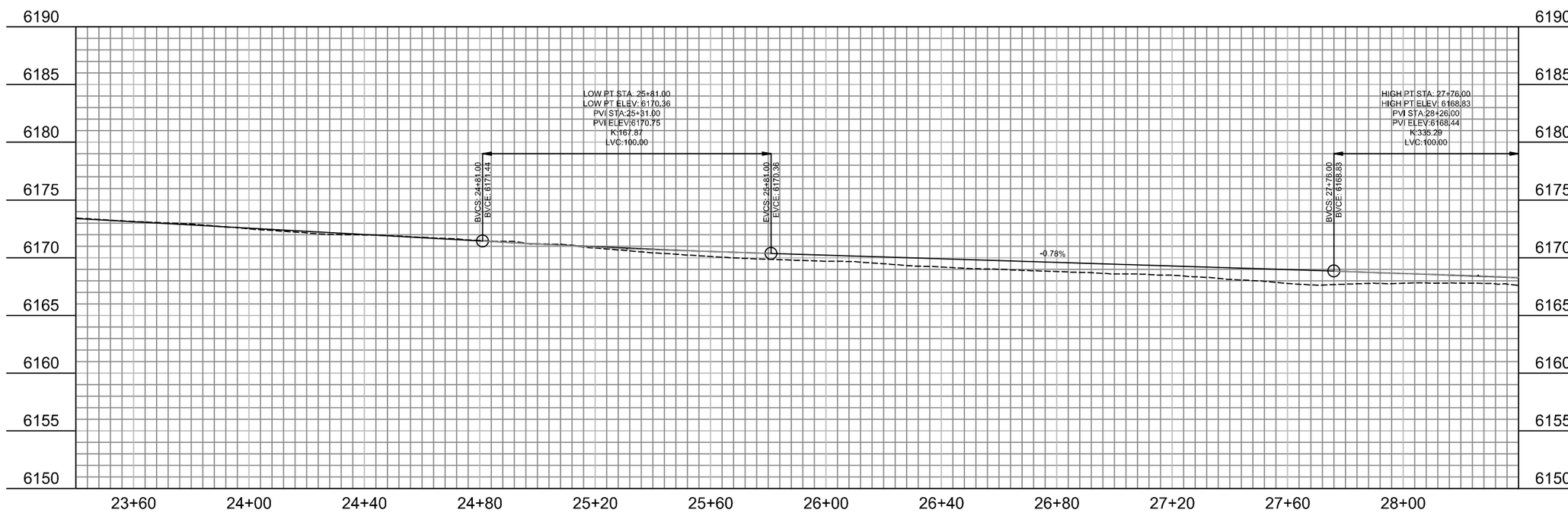
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP5

Y:\A_PROJECTS – Pathways\HW22\MIDDLE\PHASE_2\PLANS\W1-22 PATHWAY_PHASE2_050916.dwg <18+40.00> – May 10 2016 11:06:36 am PLOTTED BY: amanage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

9F

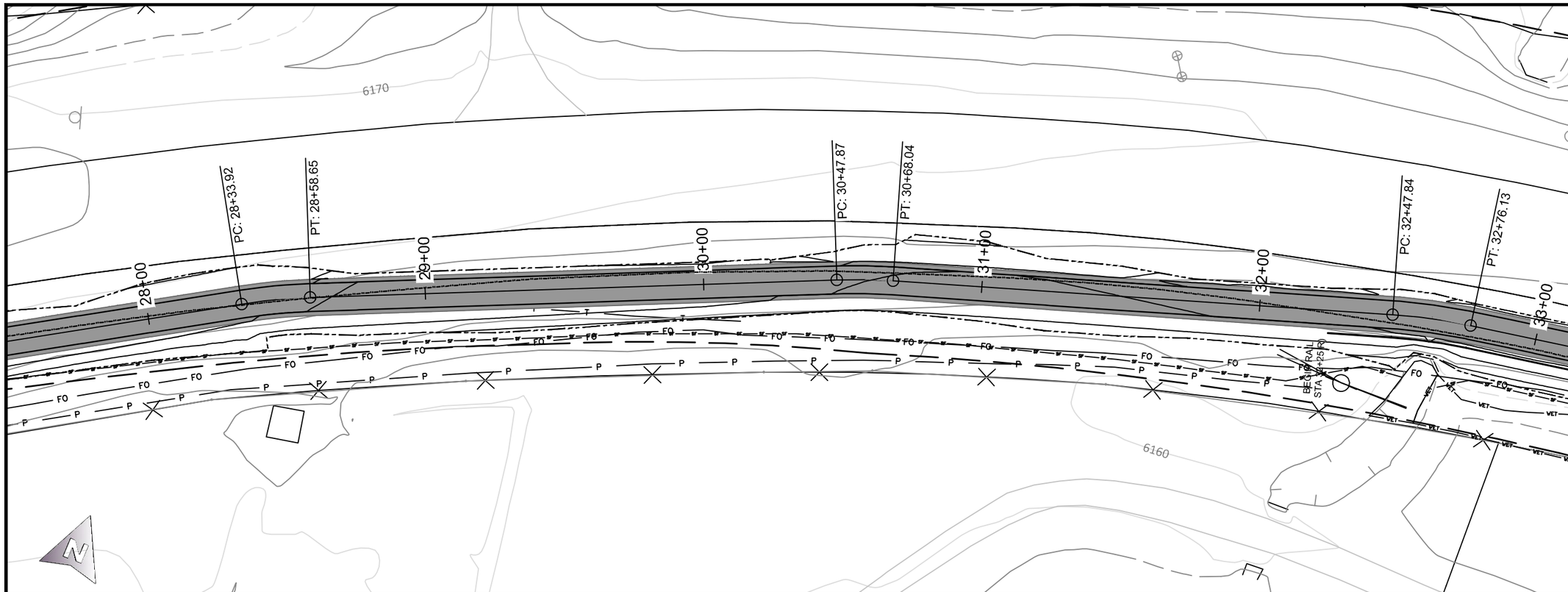
REVISIONS:

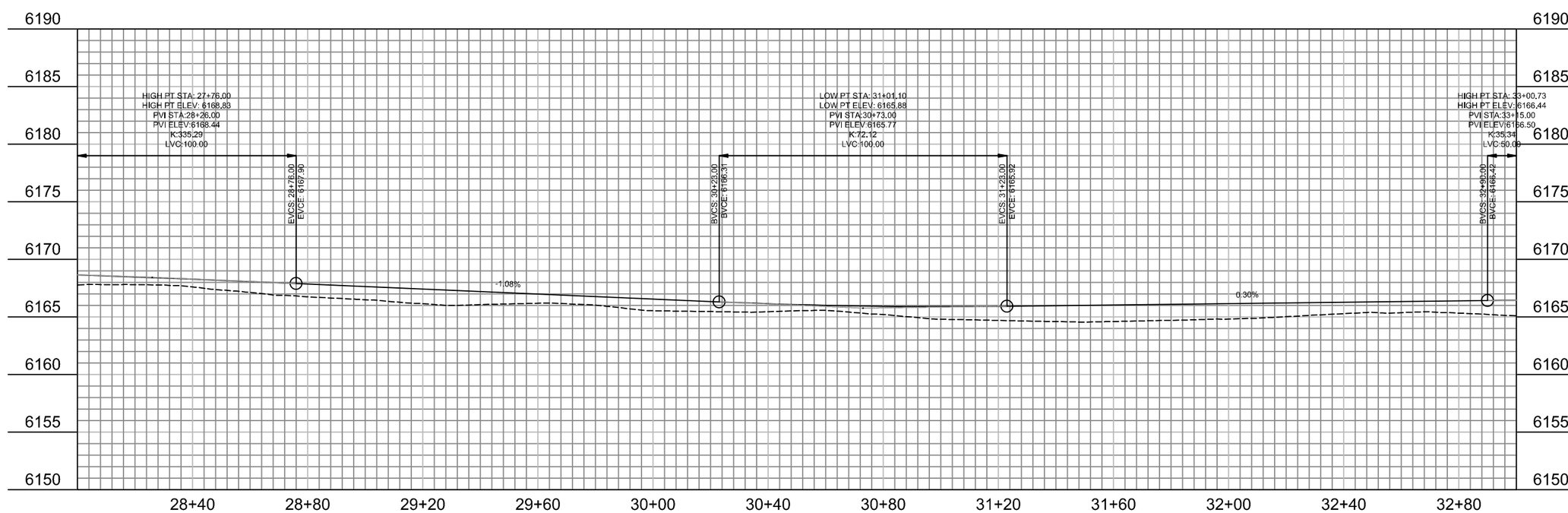
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP6

Y:\A. PROJECTS – Pathways\HWY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <23+00.00> – May 10 2016 11:07:11 am PLOTTED BY: aramage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

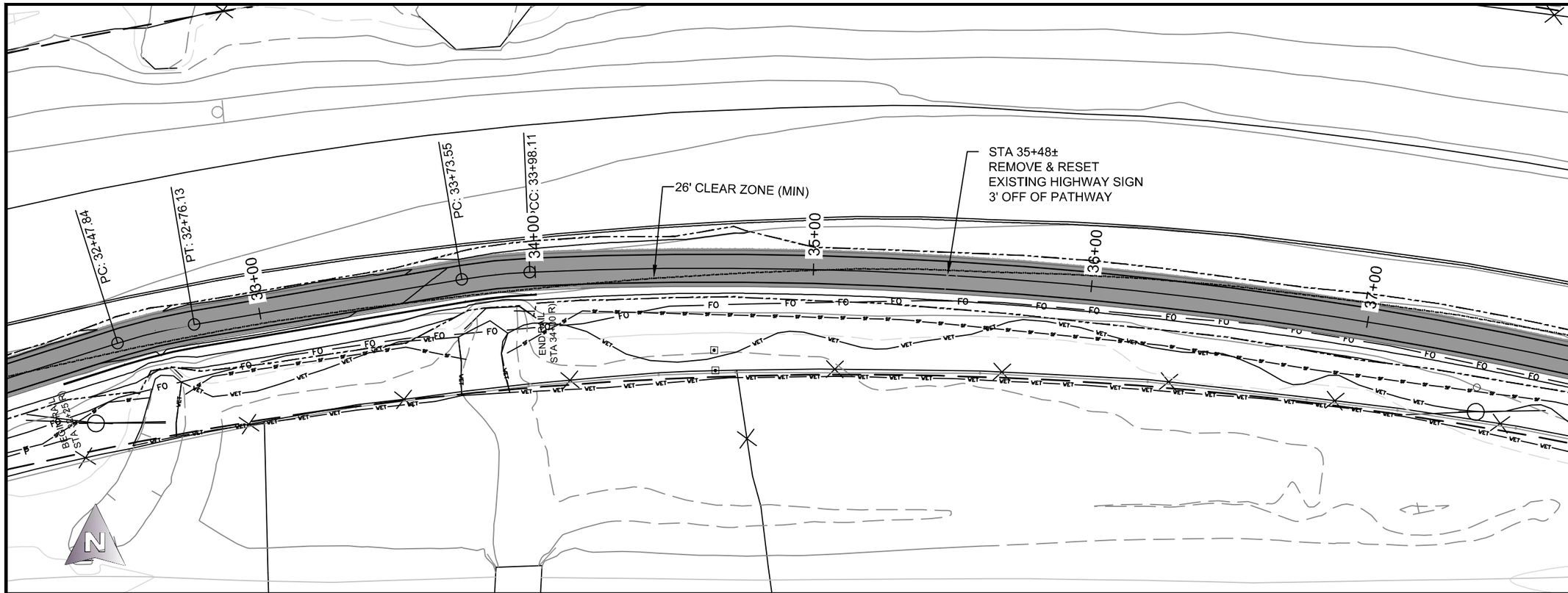
REVISIONS: 7E

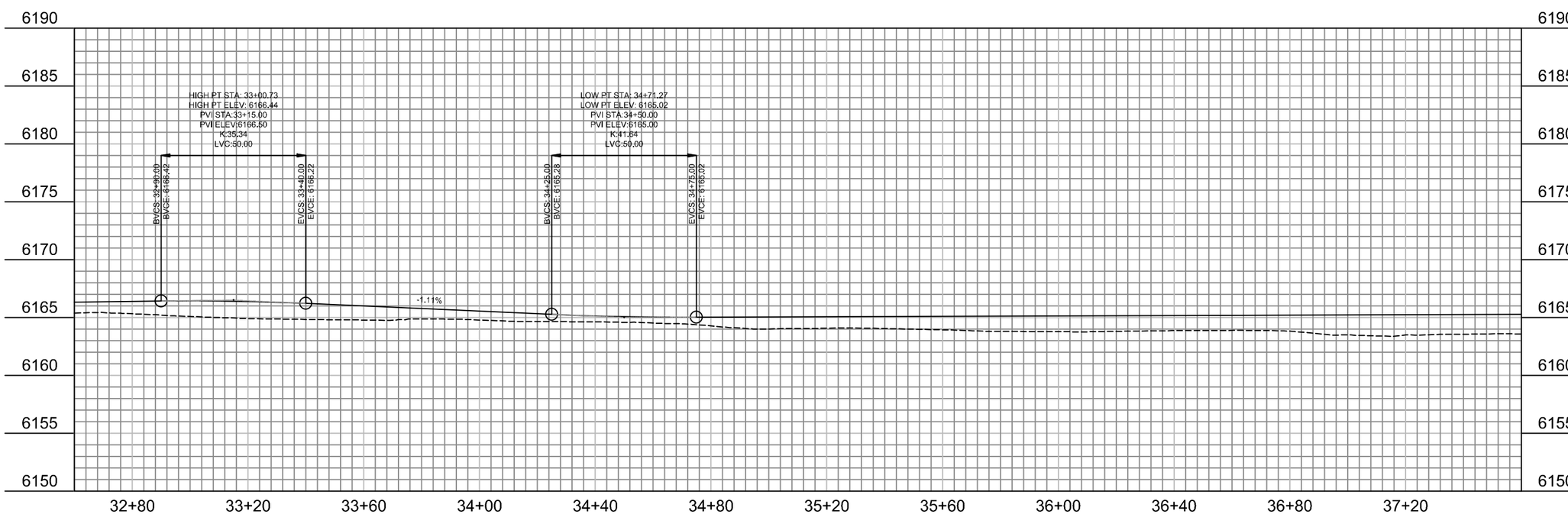
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP7

Y:\A_PROJECTS – Pathways\WY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <27+60.00> – May 10 2016 11:07:45 am PLOTTED BY: aramage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

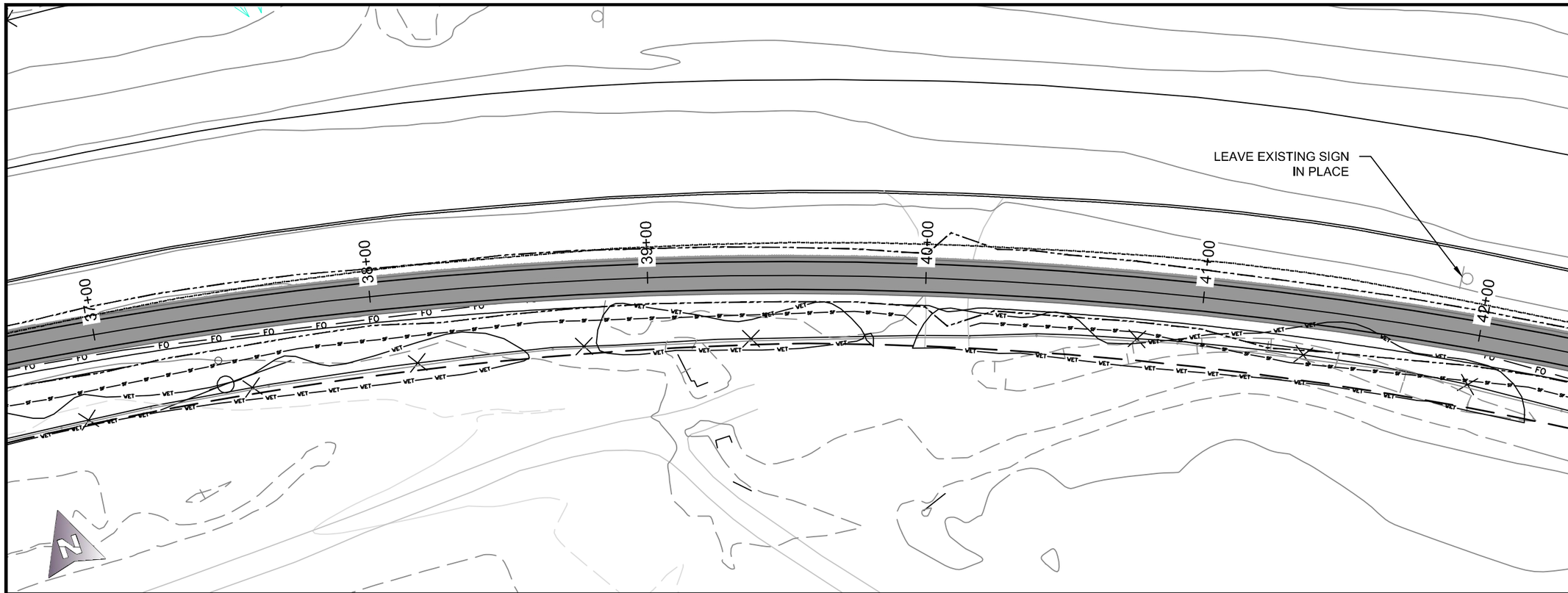
REVISIONS:

MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP8

Y:\A_PROJECTS – Pathways\WY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <32+20.00> – May 10 2016 11:08:21 am PLOTTED BY: aramage



SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

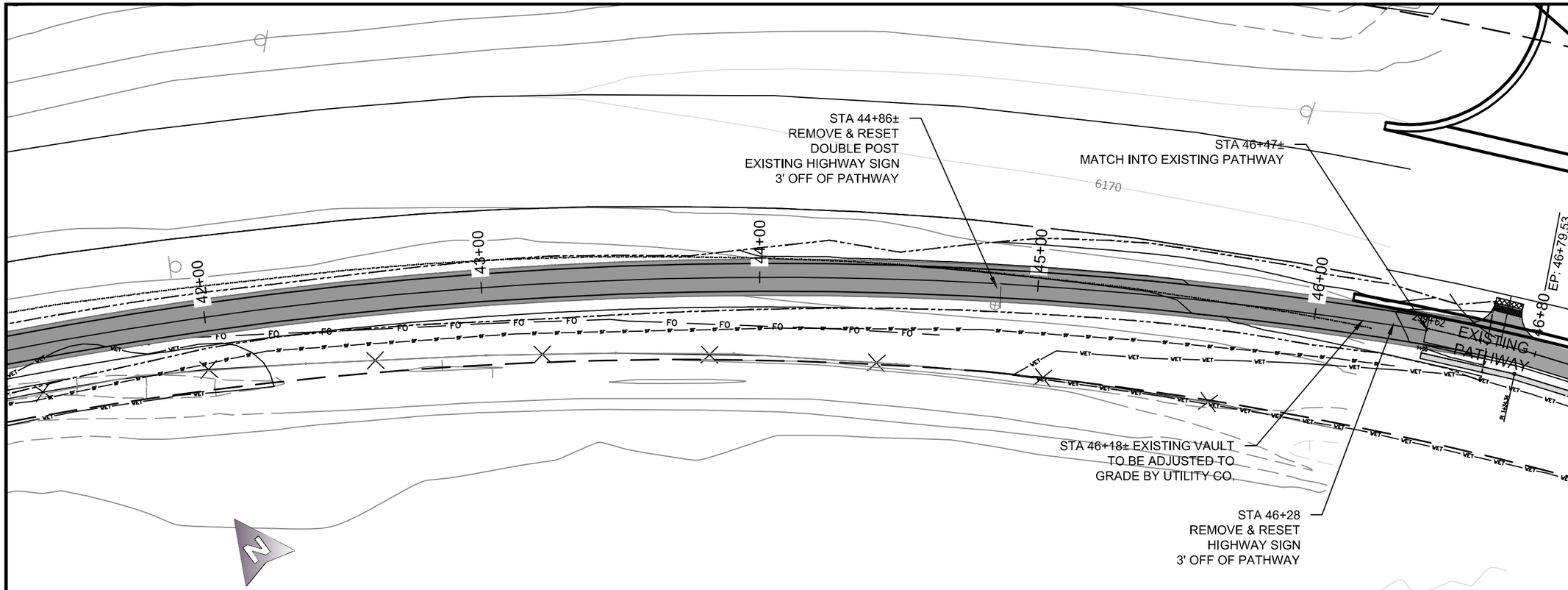
REVISIONS:

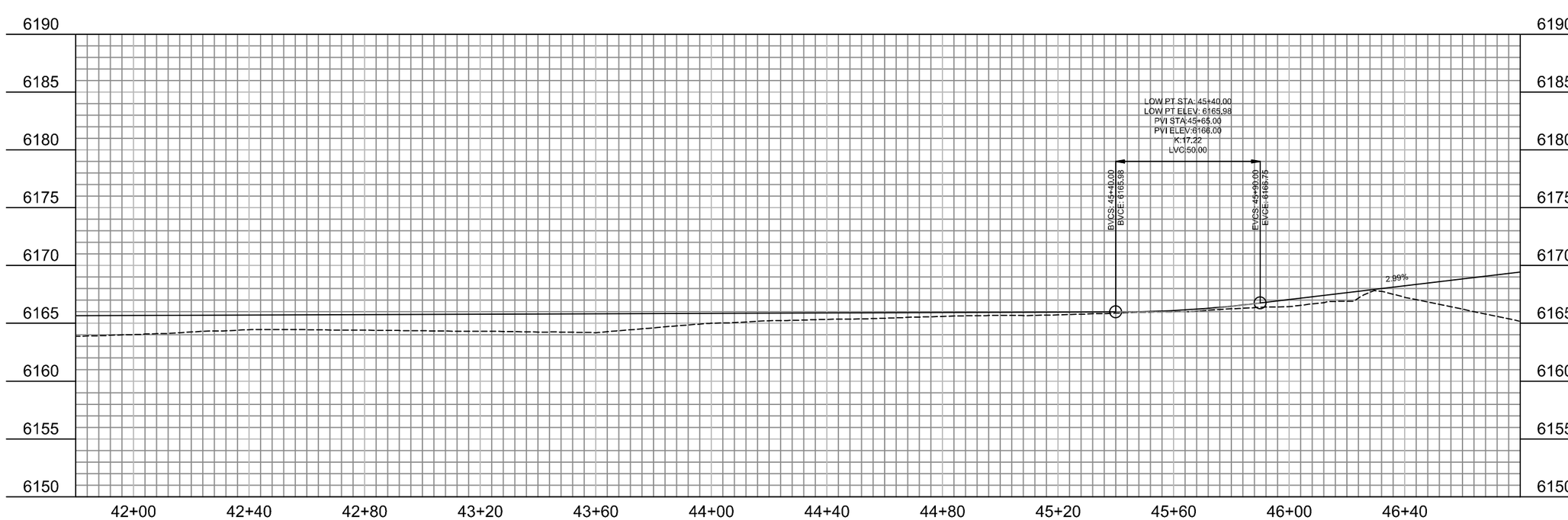
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP9

Y:\A_PROJECTS – Pathways\HWY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <36+80.00> – May 10 2016 11:08:56 am PLOTTED BY: aramage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

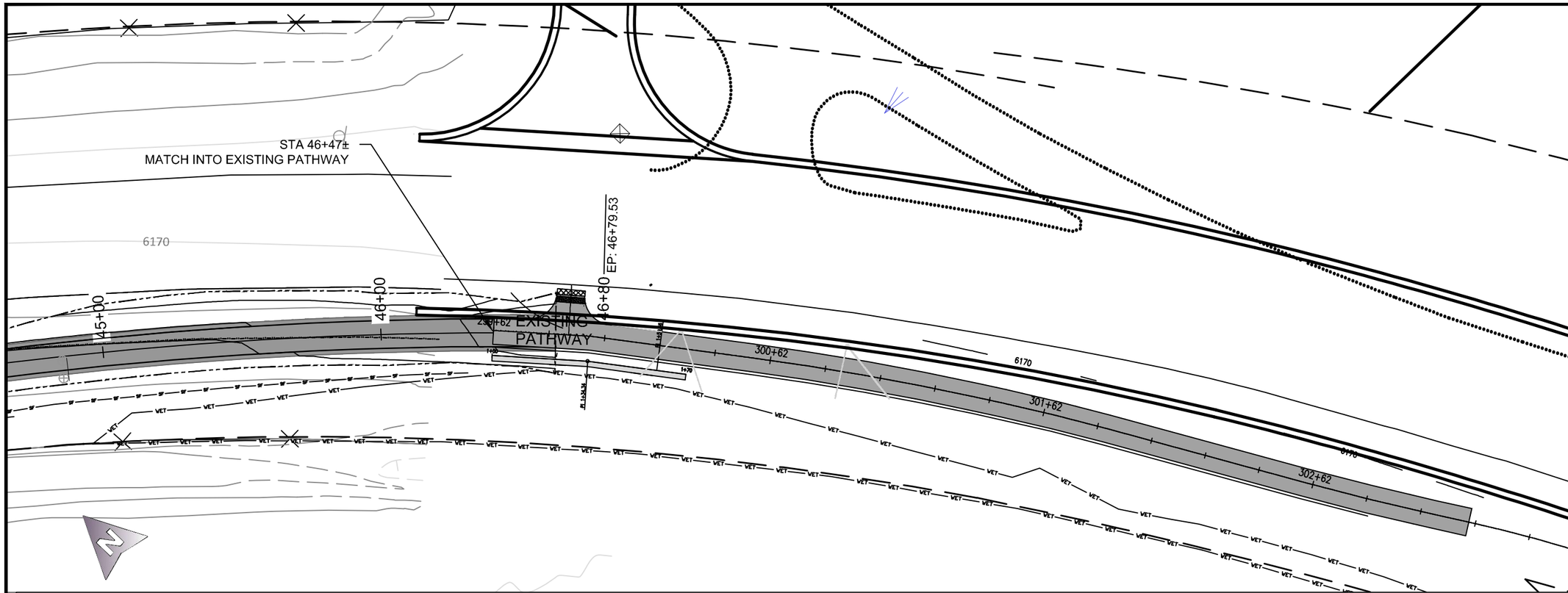
REVISIONS:

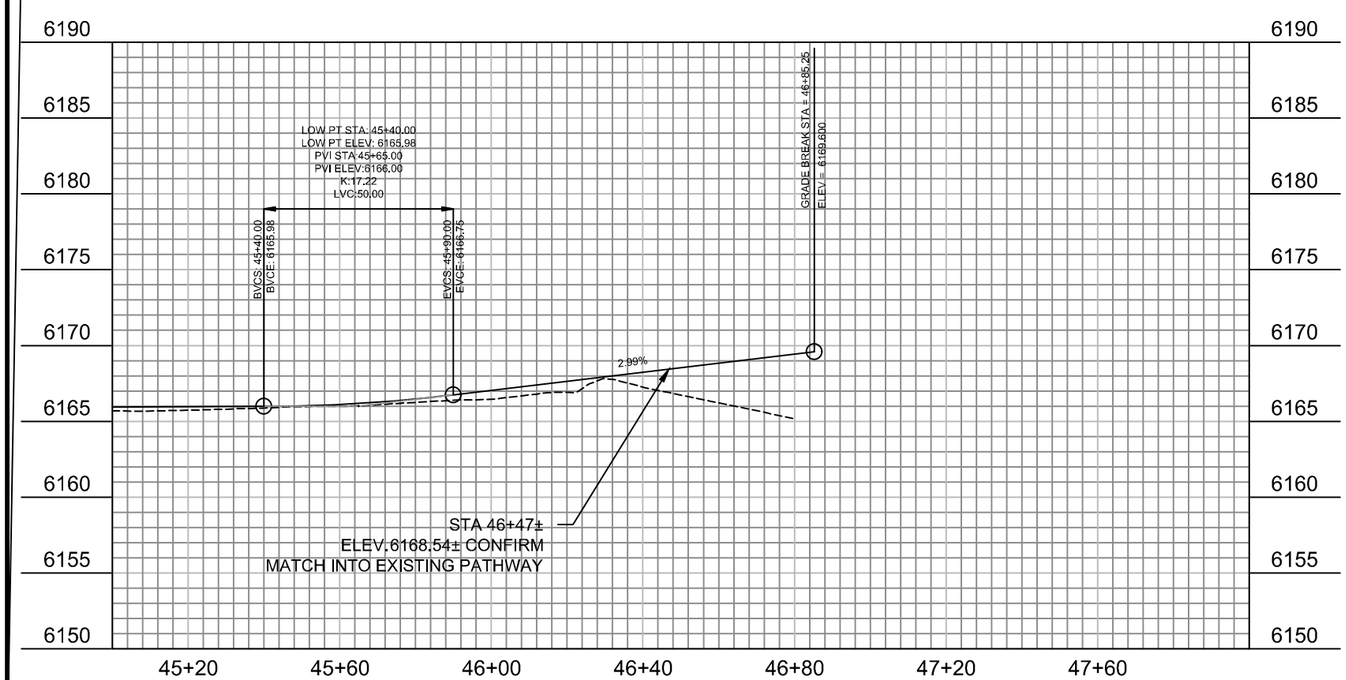
MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP10

Y:\A_PROJECTS – Pathways\HWY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <41+40.00> – May 10 2016 11:09:31 am PLOTTED BY: ananage





SCALE: (H) 1" = 40' (V) 1" = 10'

TETON COUNTY WYOMING

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

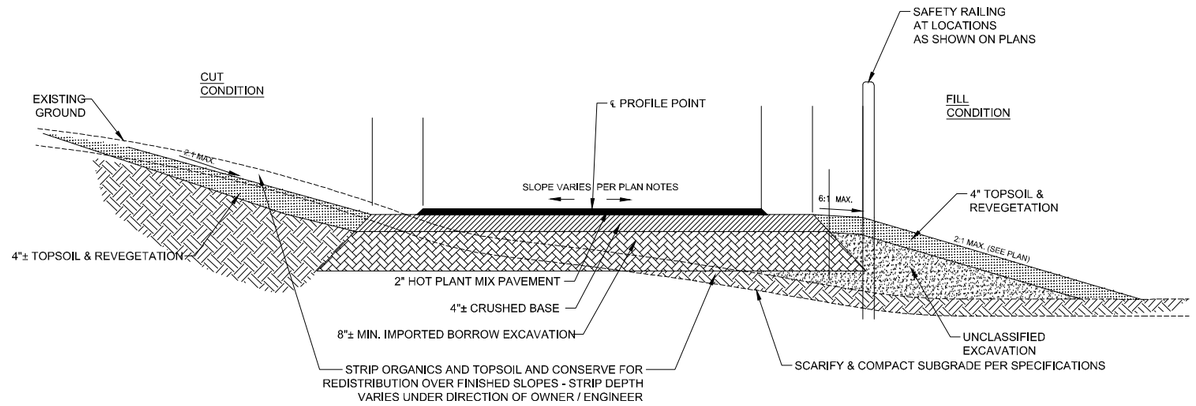
REVISIONS:

MIDDLE SECTION PHASE 2
CATTLE TUNNEL
TO SPRING GULCH

DRAWING TITLE:
PLAN&PROFILE

DRAWING NUMBER:
PP11

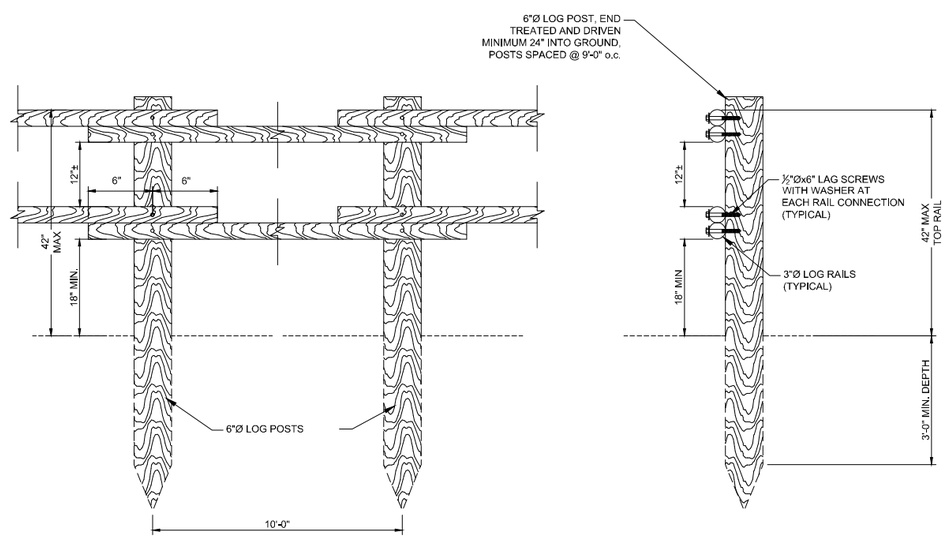
Y:_PROJECTS – Pathways\HWY22\MIDDLE\PHASE_2\PLANS\WY-22 PATHWAY_PHASE2_050916.dwg <46+00.00> – May 10 2016 11:10:06 am PLOTTED BY: aramage



SEE RETAINING WALL DETAIL SHEETS RW01-RW12 FOR TYPICAL SECTIONS IN WALL AREAS

1 / TS 3 PATHWAY TYPICAL SECTION

NTS



2 / TS.3 POST AND RAIL FENCE DETAIL

SCALE: NTS

TETON COUNTY WYOMING

ENGINEERING & PATHWAYS
OLD TETON COUNTY LIBRARY
320 S. KING STREET
PO BOX 3594
JACKSON, WY 83001
P: 307.733.3317

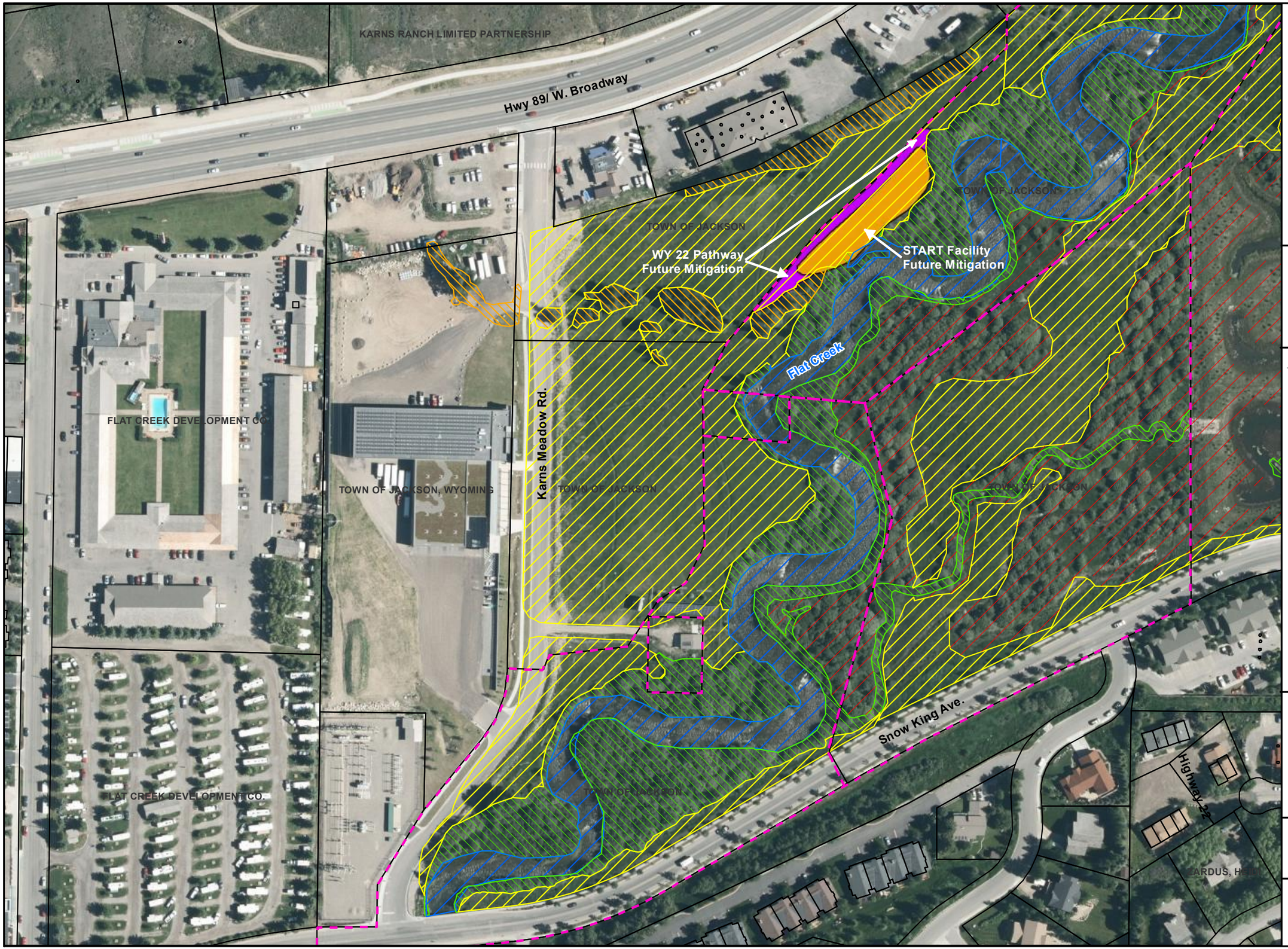
PATH 22 MIDDLE SECTION PHASE 2

CATTLE TUNNEL TO SPRING GULCH
HIGHWAY 22, TETON COUNTY, WY

Issue Date:
May 20, 2016 - 11:04am

Drawing Title:
TYPICAL SECTIONS

I:\A_PROJECTS - Pathways\PATH22\MIDDLE\PHASE_2\PLANS\DETAILS_TYPICAL.dwg (2D) - May 20 2016 11:04:49 am PLOTTED BY: arenaje



MITIGATION/ HABITAT ENHANCEMENT

JH Community Pathways

Pathway 22 East
State Highway 22
Teton County, WY

NE1/4 Sec 31, NW1/4 Sec. 32, & SW1/4 Sec. 29
Township 41N, Range 116W

FIGURE 10:

Mtigation Site

March 14, 2016

Legend:

Conservation Easement
Parcel Boundary

Vegetative Cover Types

Ag. Meadow/Mesic Grass
Cottonwood - Medium
Open Water
Mesic Tall Shrub
Wetland Scrub-Shrub

Mitigation Areas

START Facility
WY22 Pathway

Aerial Imagery:
June 13 & 14, 2015 Teton County GIS

Wetland Delineation:
10/15/2010

Vegetation Cover Types:
10/15/2015 and May 2015

1 inch = 150 feet

0 75 150 Feet

NORTH

ALDER ENVIRONMENTAL, LLC
Water • Wetlands • Ecological Consulting
P.O. Box 6519, Jackson, Wyoming 83002
(307) 733-5031 www.alderenvironmental.com