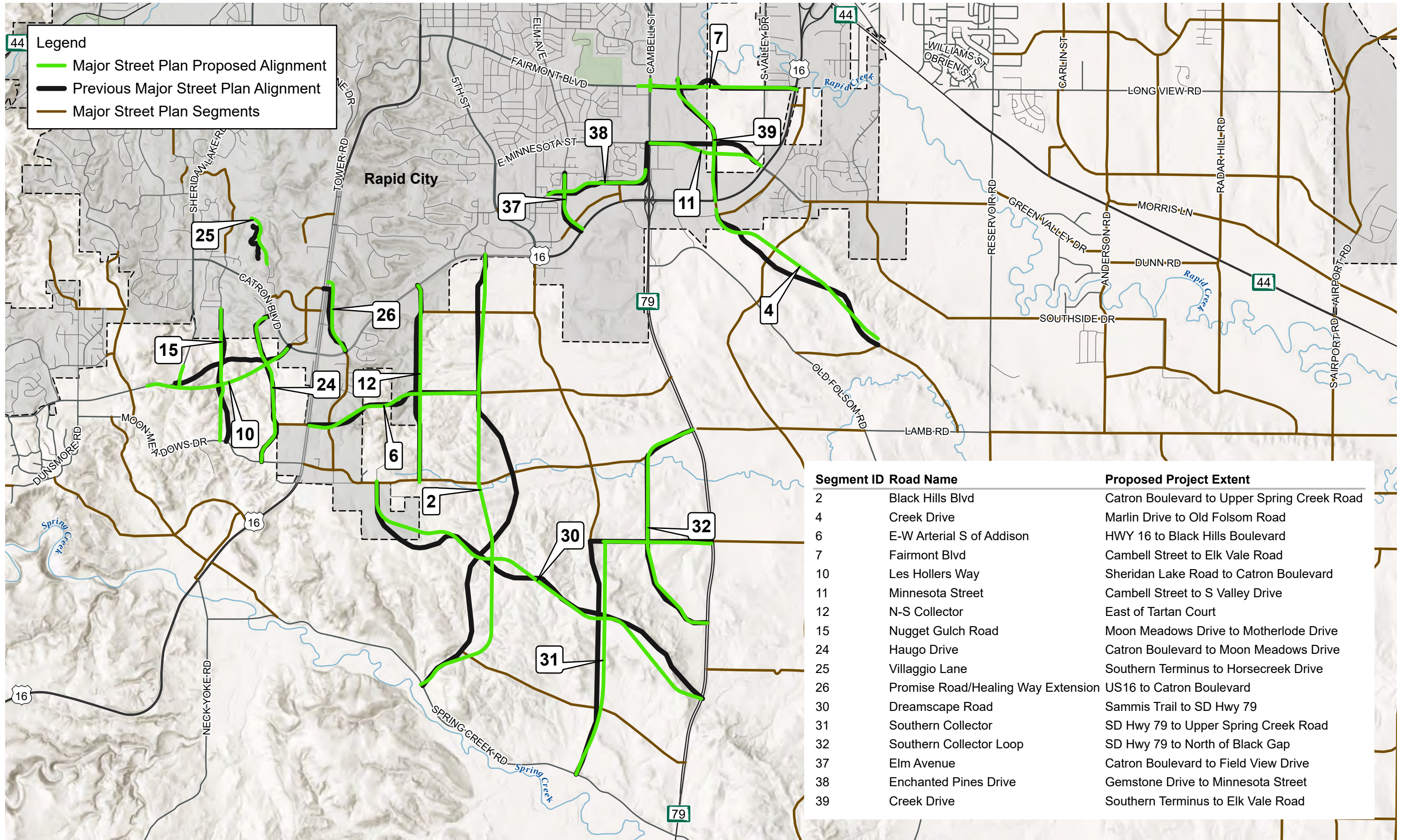


Major Street Plan Analysis and Update

Southern Growth Area





Segment ID	Road Name	Proposed Project Extent
2	Black Hills Blvd	Catron Boulevard to Upper Spring Creek Road
4	Creek Drive	Marlin Drive to Old Folsom Road
6	E-W Arterial S of Addison	HWY 16 to Black Hills Boulevard
7	Fairmont Blvd	Cambell Street to Elk Vale Road
10	Les Hollers Way	Sheridan Lake Road to Catron Boulevard
11	Minnesota Street	Cambell Street to S Valley Drive
12	N-S Collector	East of Tartan Court
15	Nugget Gulch Road	Moon Meadows Drive to Motherlode Drive
24	Haugo Drive	Catron Boulevard to Moon Meadows Drive
25	Villaggio Lane	Southern Terminus to Horsecreek Drive
26	Promise Road/Healing Way Extension	US16 to Catron Boulevard
30	Dreamscape Road	Sammis Trail to SD Hwy 79
31	Southern Collector	SD Hwy 79 to Upper Spring Creek Road
32	Southern Collector Loop	SD Hwy 79 to North of Black Gap
37	Elm Avenue	Catron Boulevard to Field View Drive
38	Enchanted Pines Drive	Gemstone Drive to Minnesota Street
39	Creek Drive	Southern Terminus to Elk Vale Road

Black Hills Boulevard

Catron Boulevard to Upper Spring Creek Road

Classification: Minor Arterial

Corridor Length: 21,800 FT

Estimated Quantities

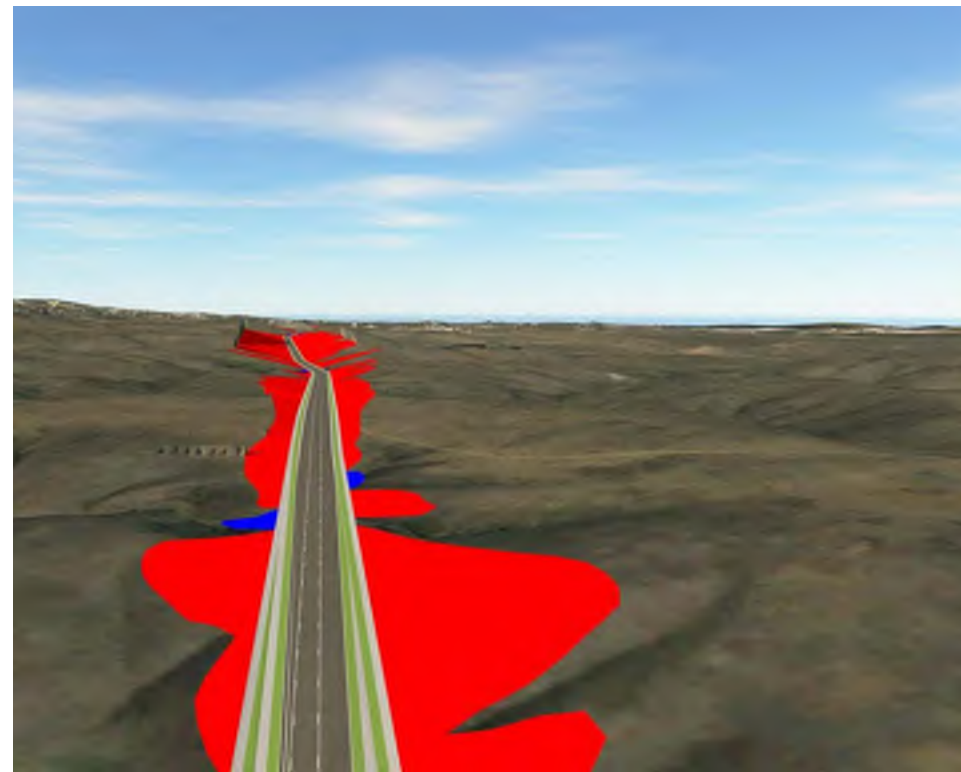
Road Surface: 87,200 SY

Earthwork Cut (Red): 1,268,796 CY

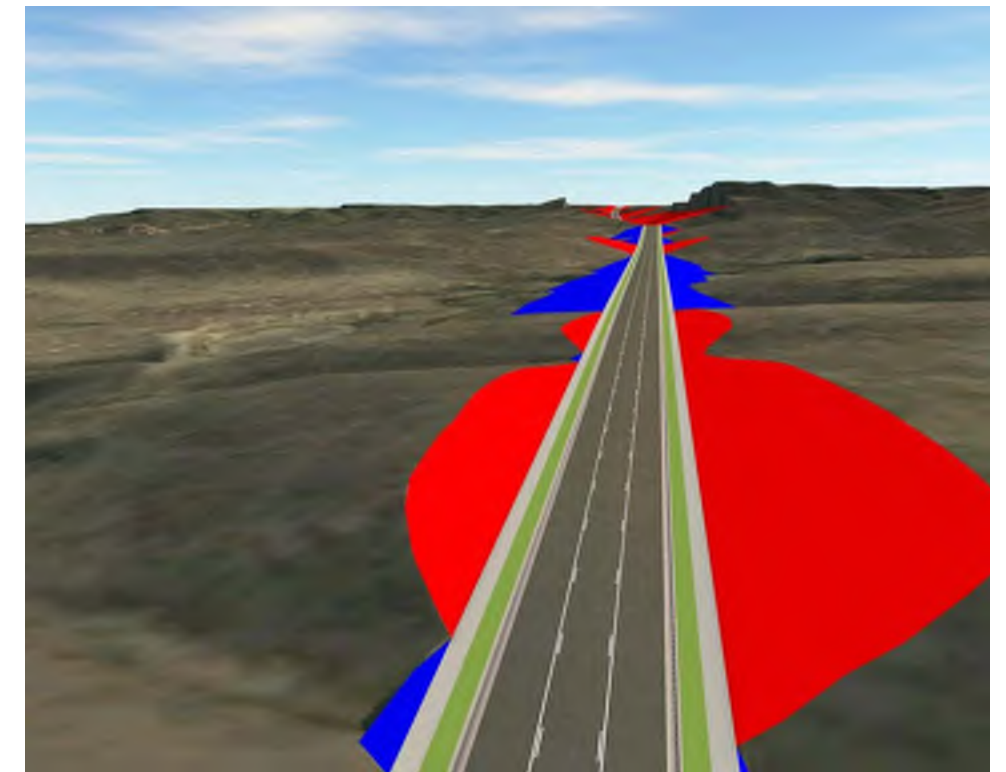
Earthwork Fill (Blue): 1,720,689 CY

Segment Considerations:

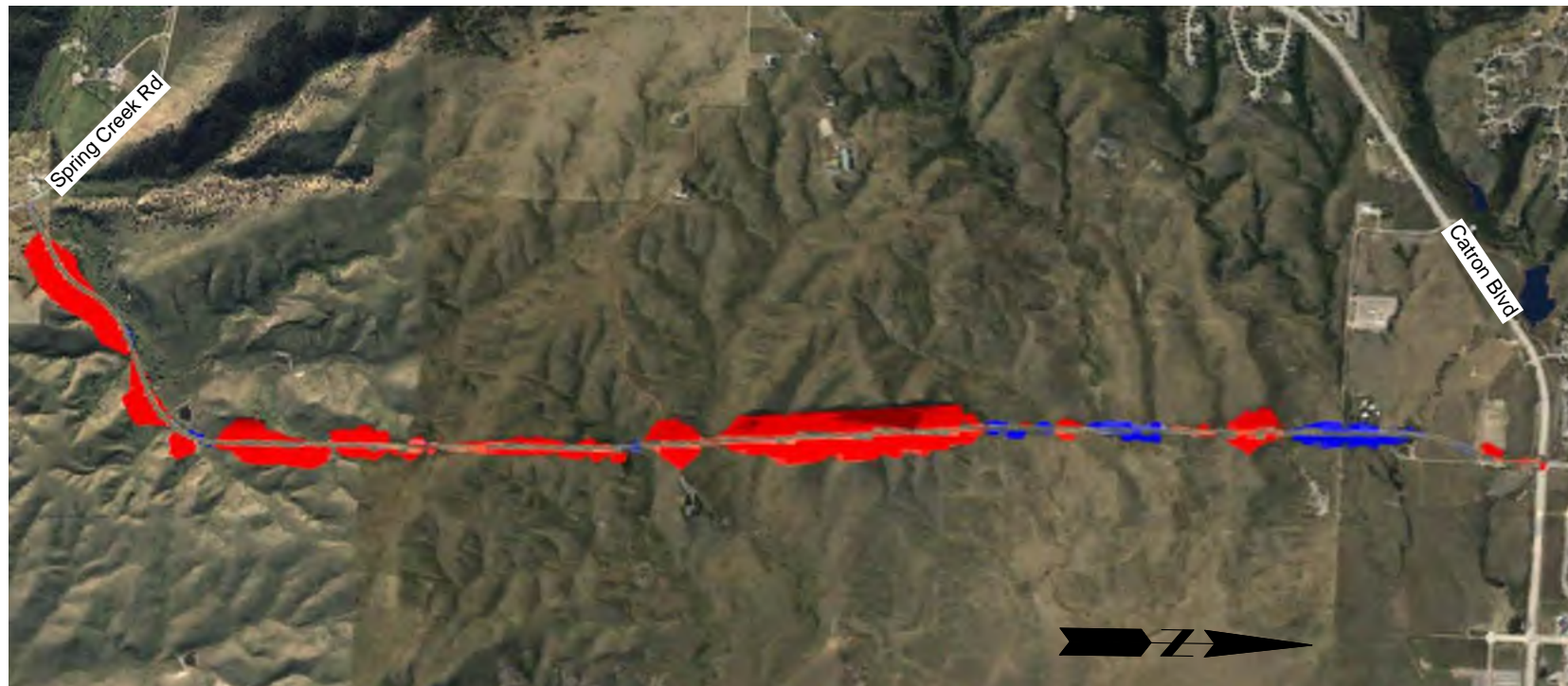
- Design speed – 45 MPH.



Isometric looking north at station 164+00



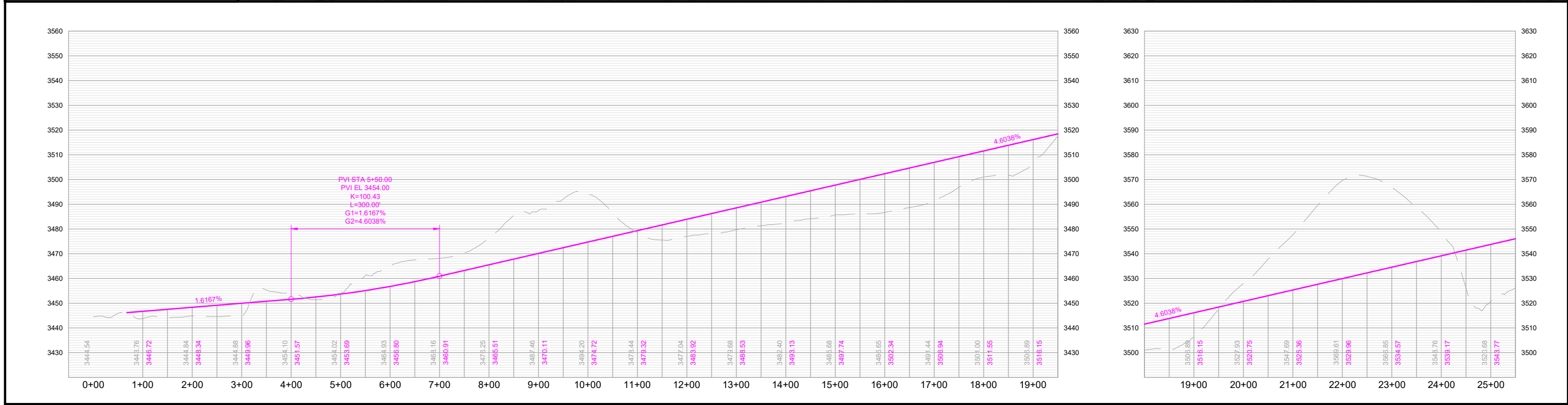
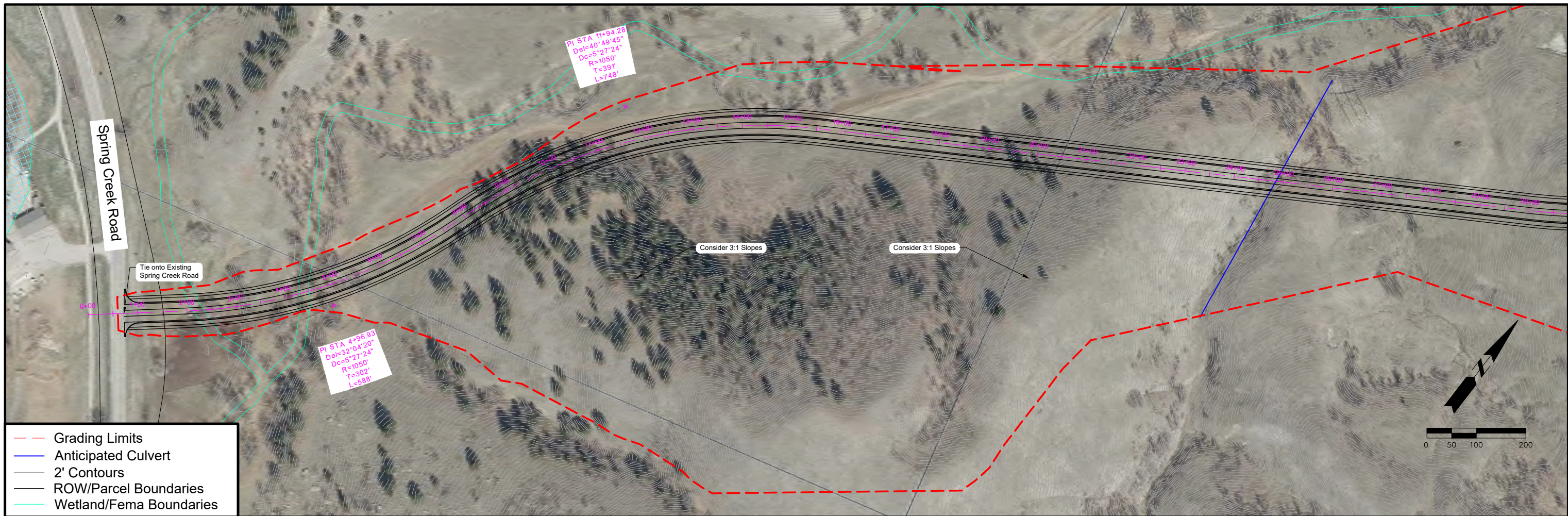
Isometric looking south at station 131+00

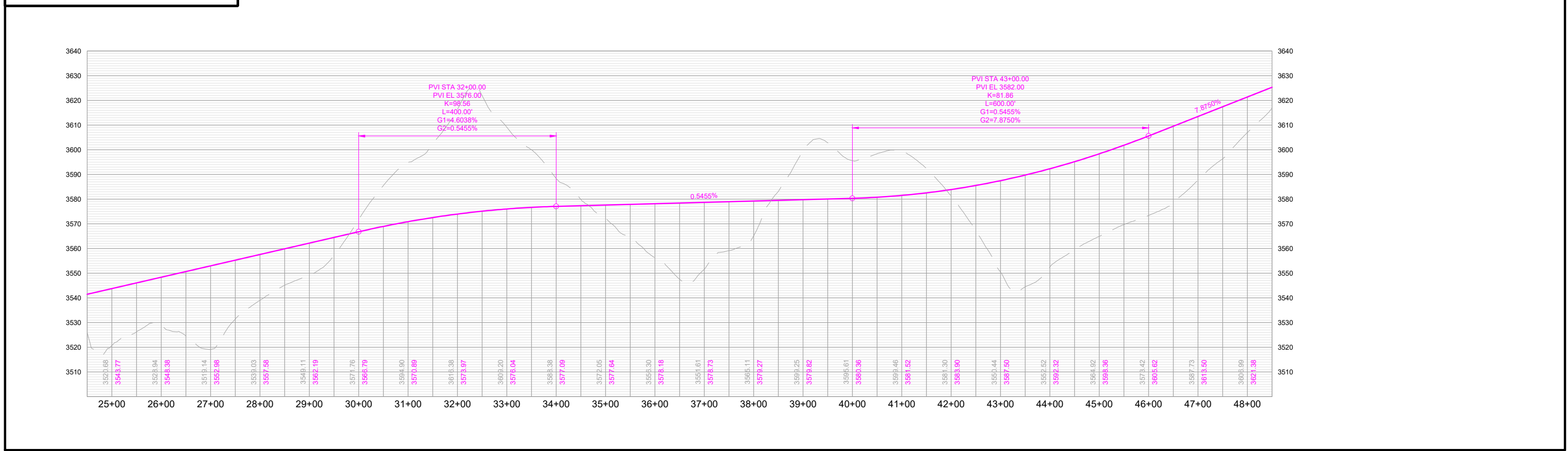
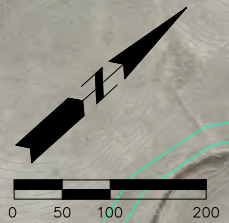
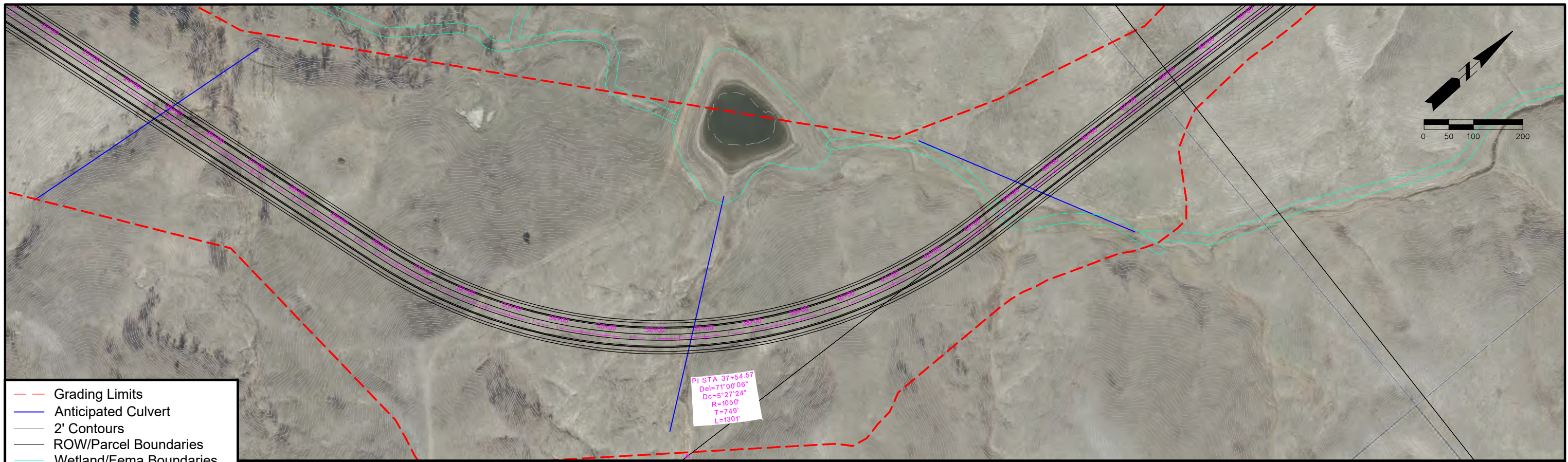


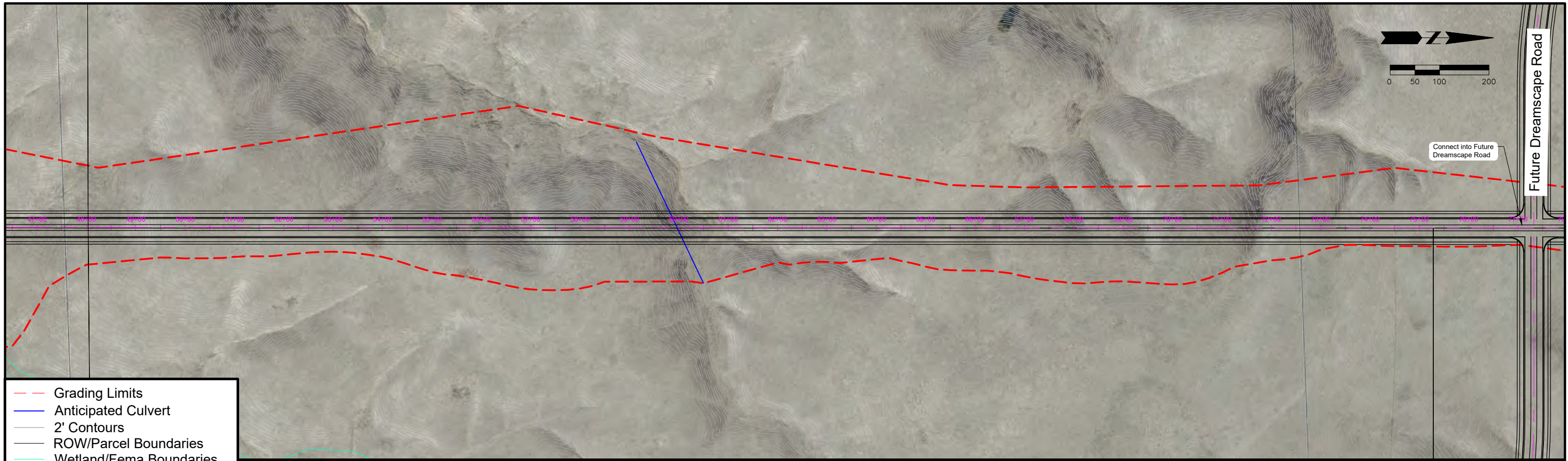
Segment Overview

Proposed Typical Section 3 Lane Minor Arterial

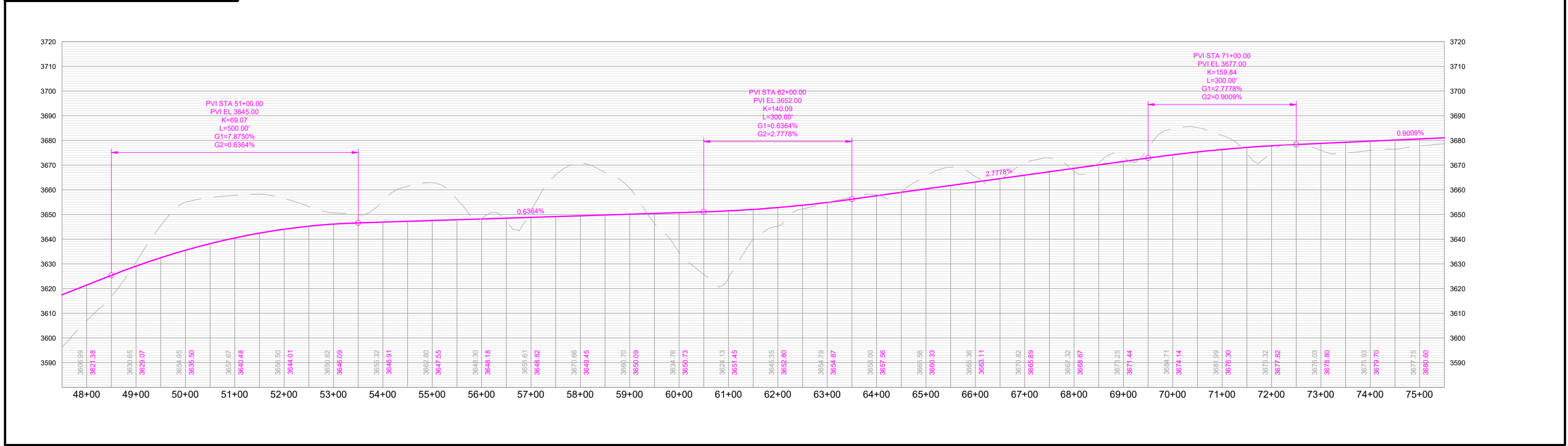


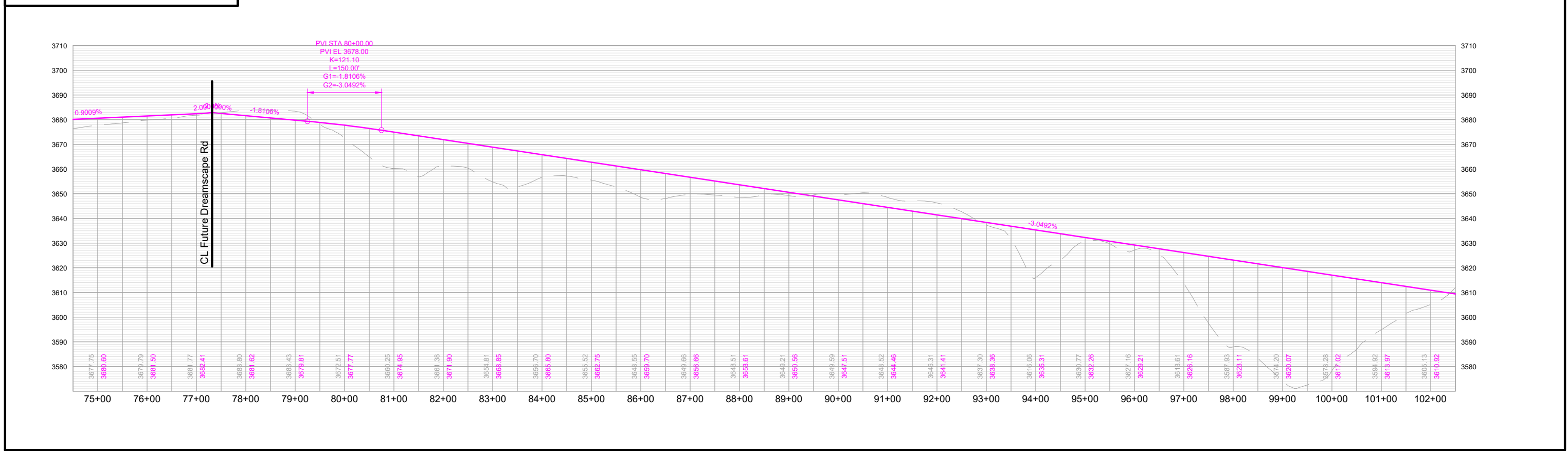
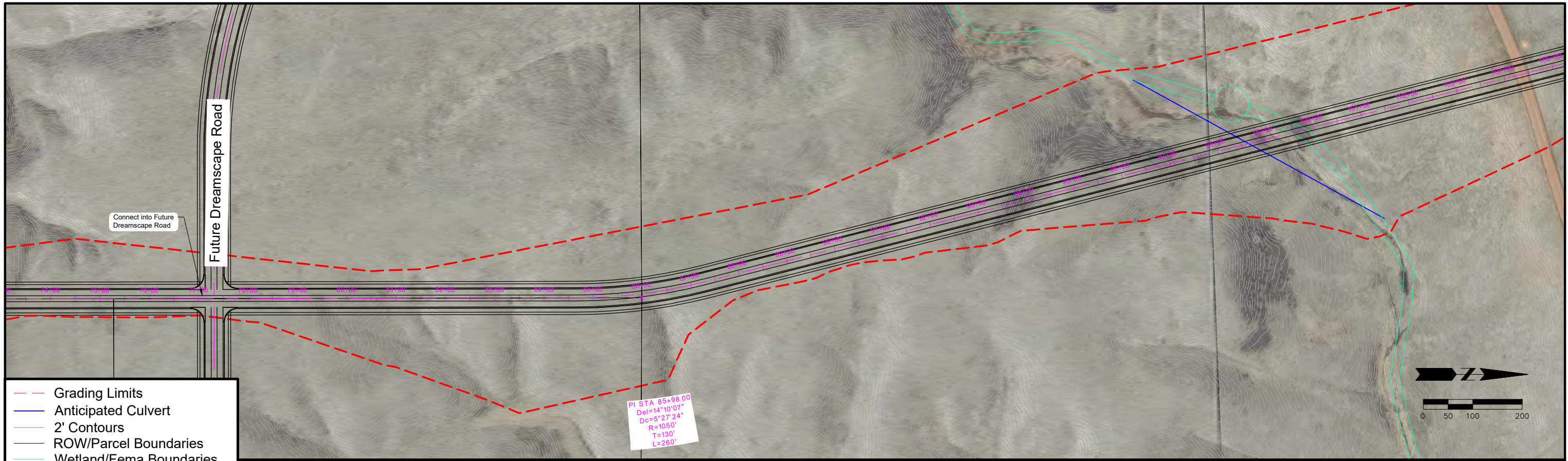


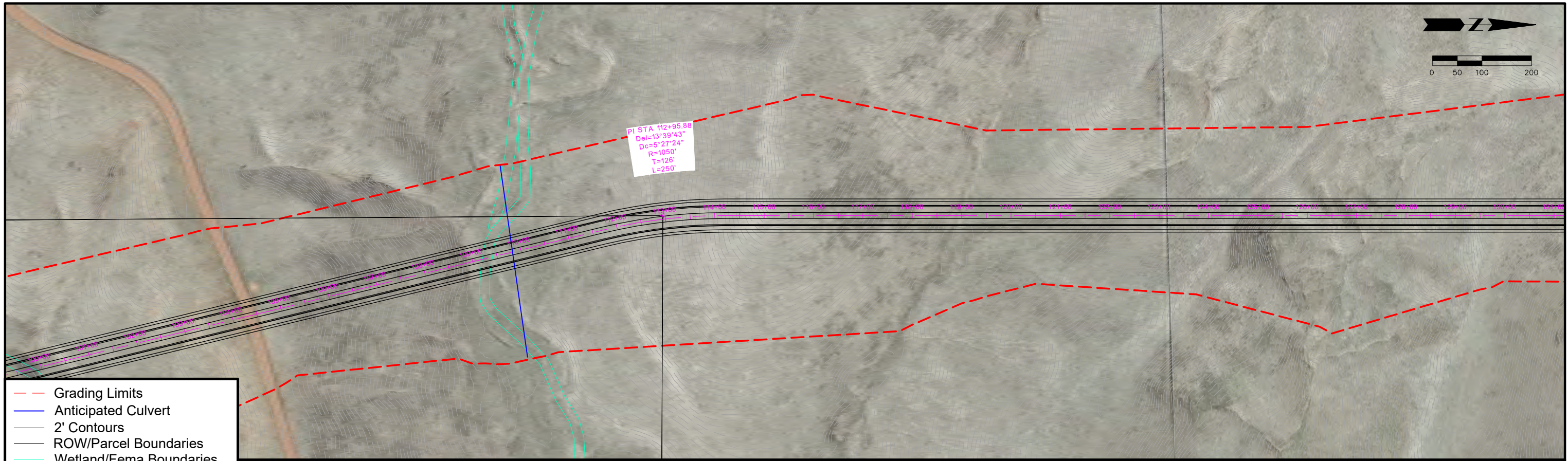




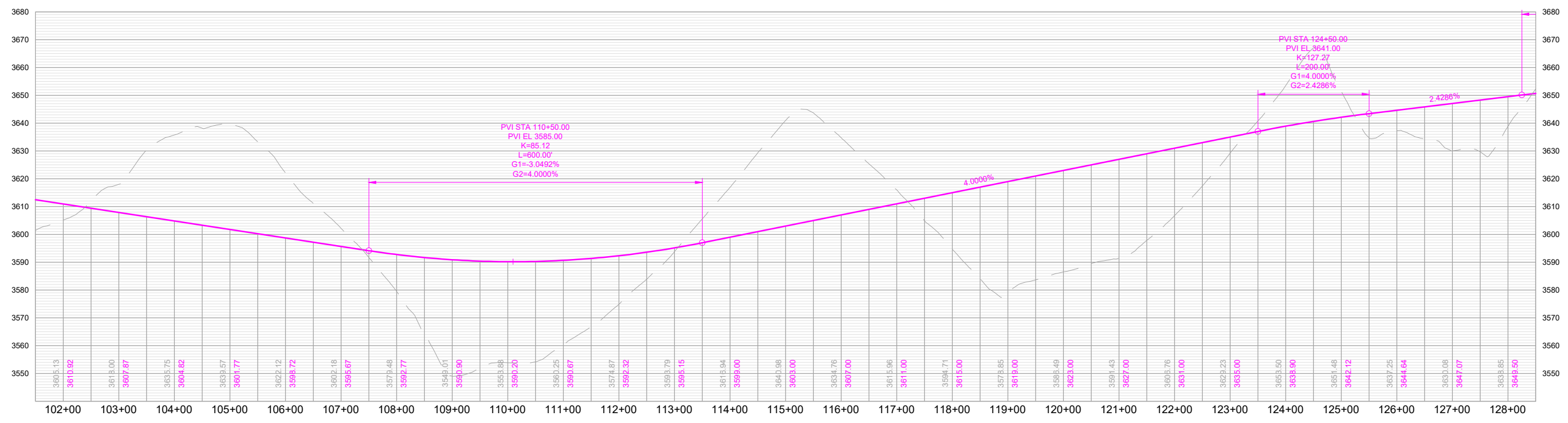
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries







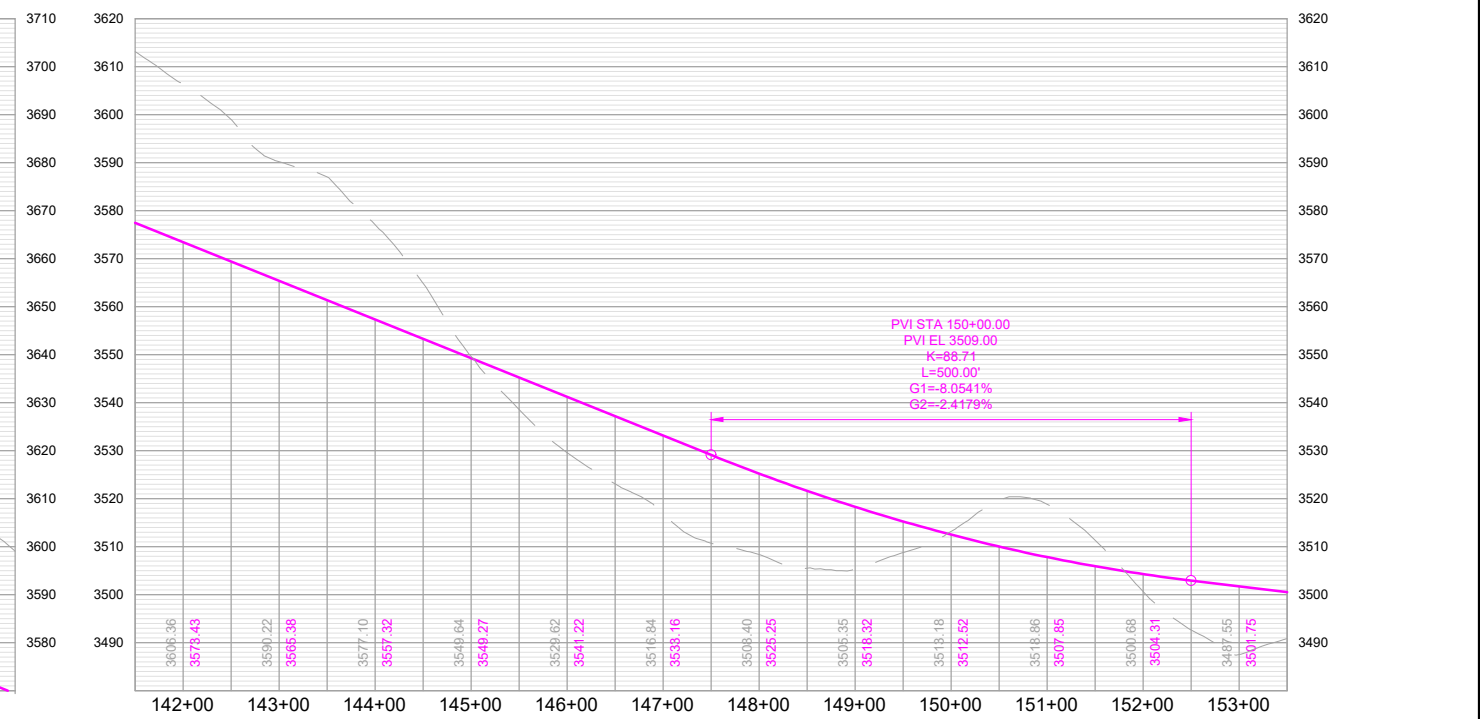
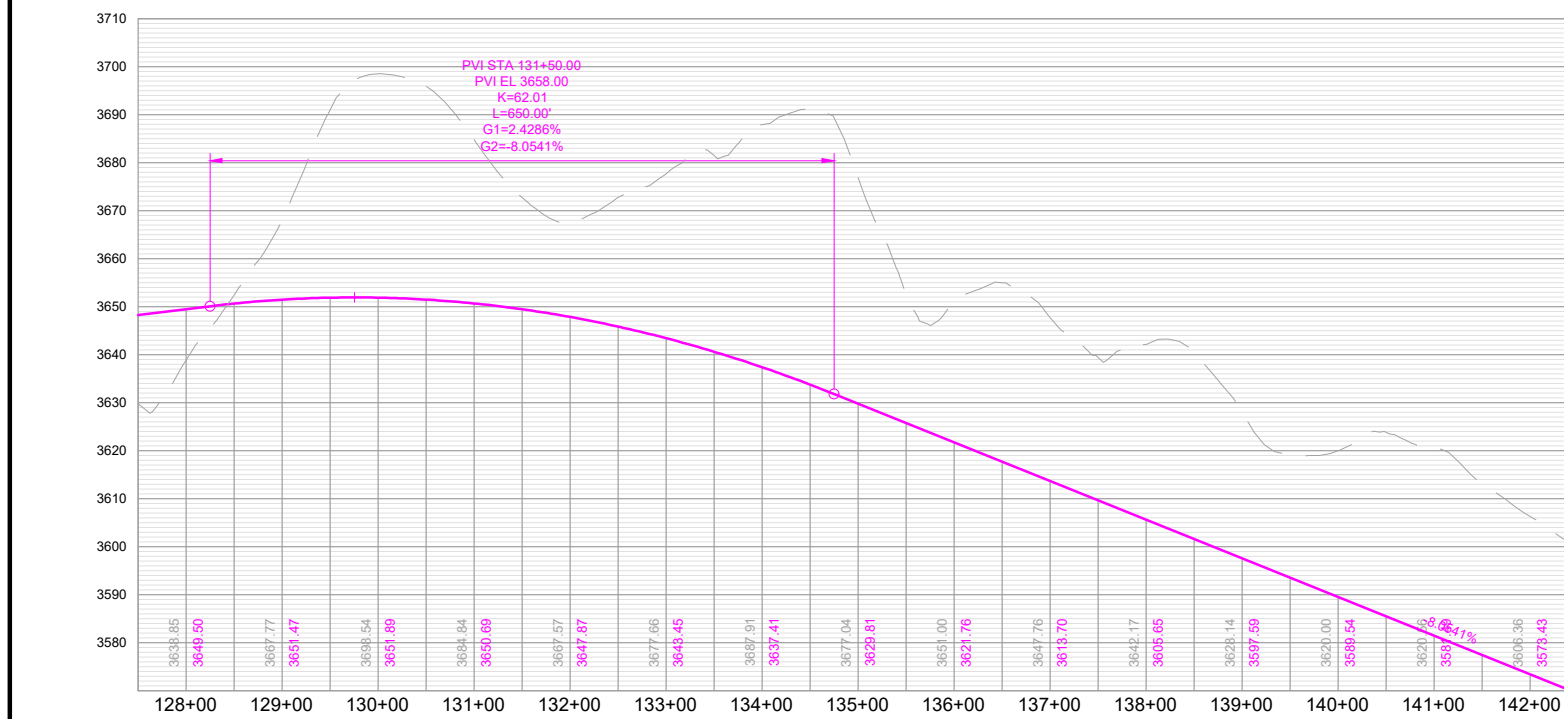
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

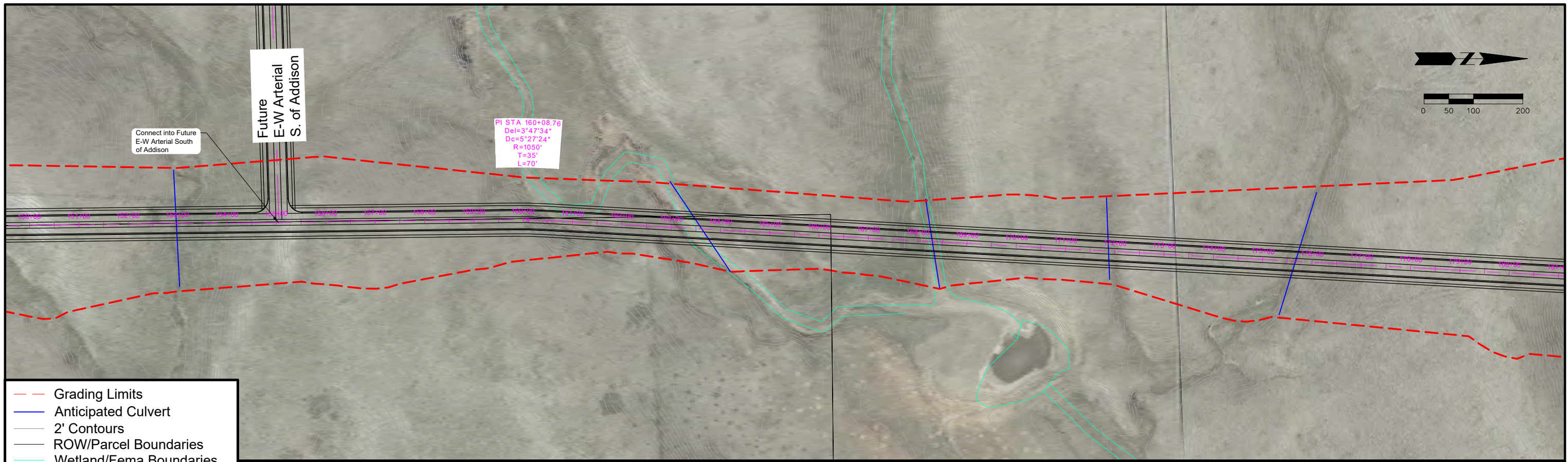


Black Hills Boulevard
 Catron Blvd to Upper Spring Creek Rd

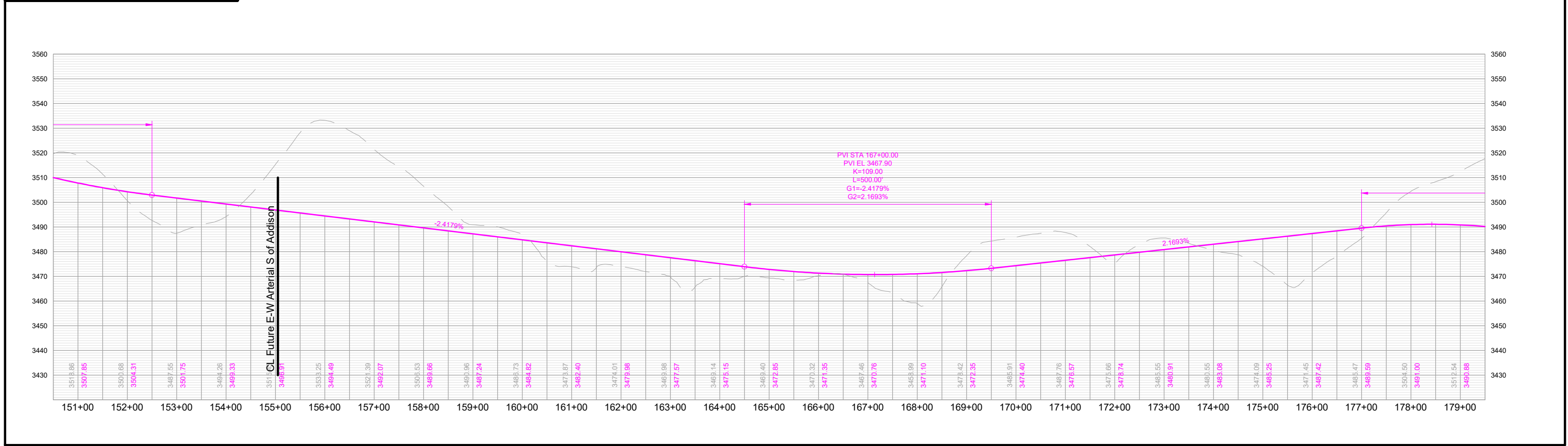


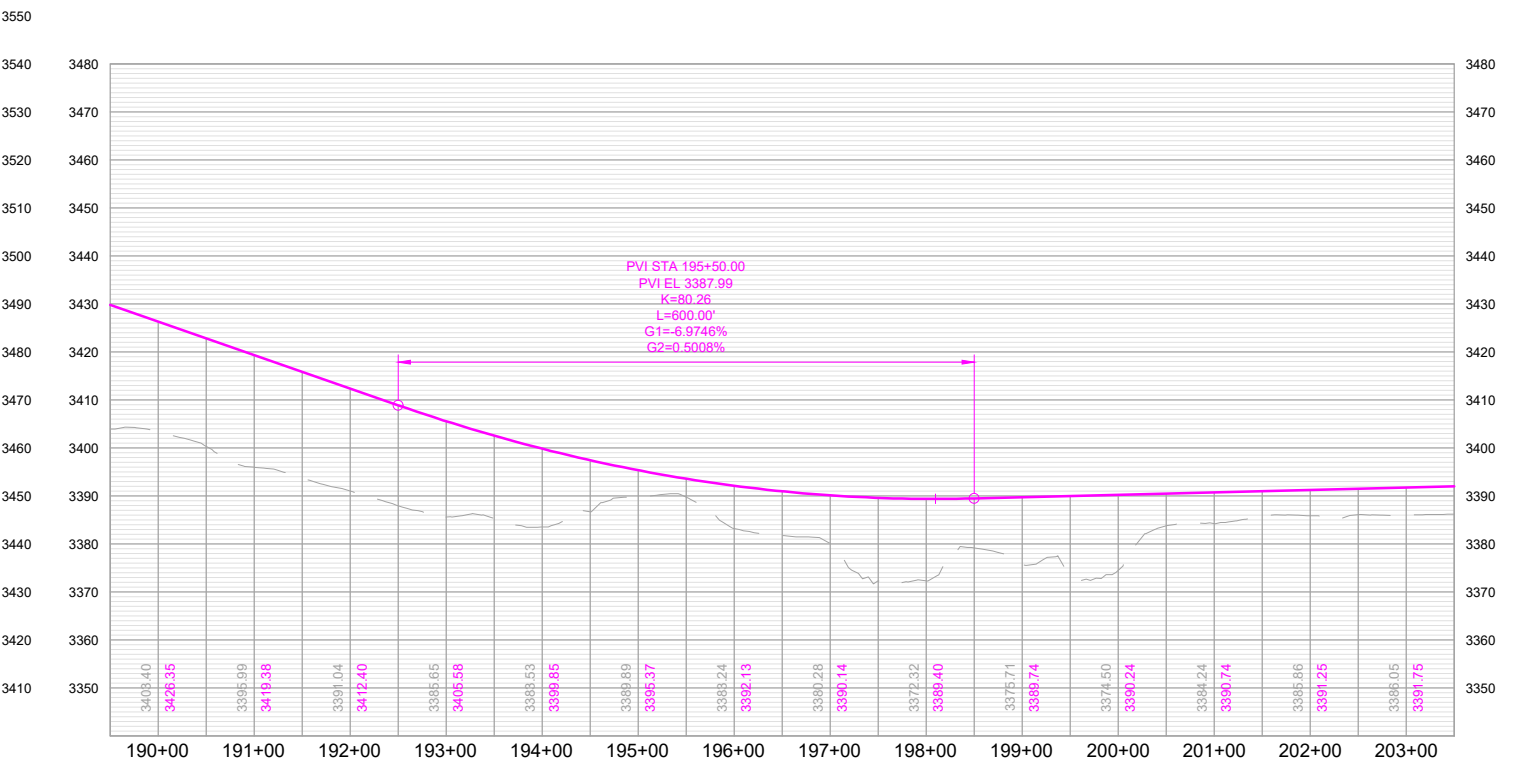
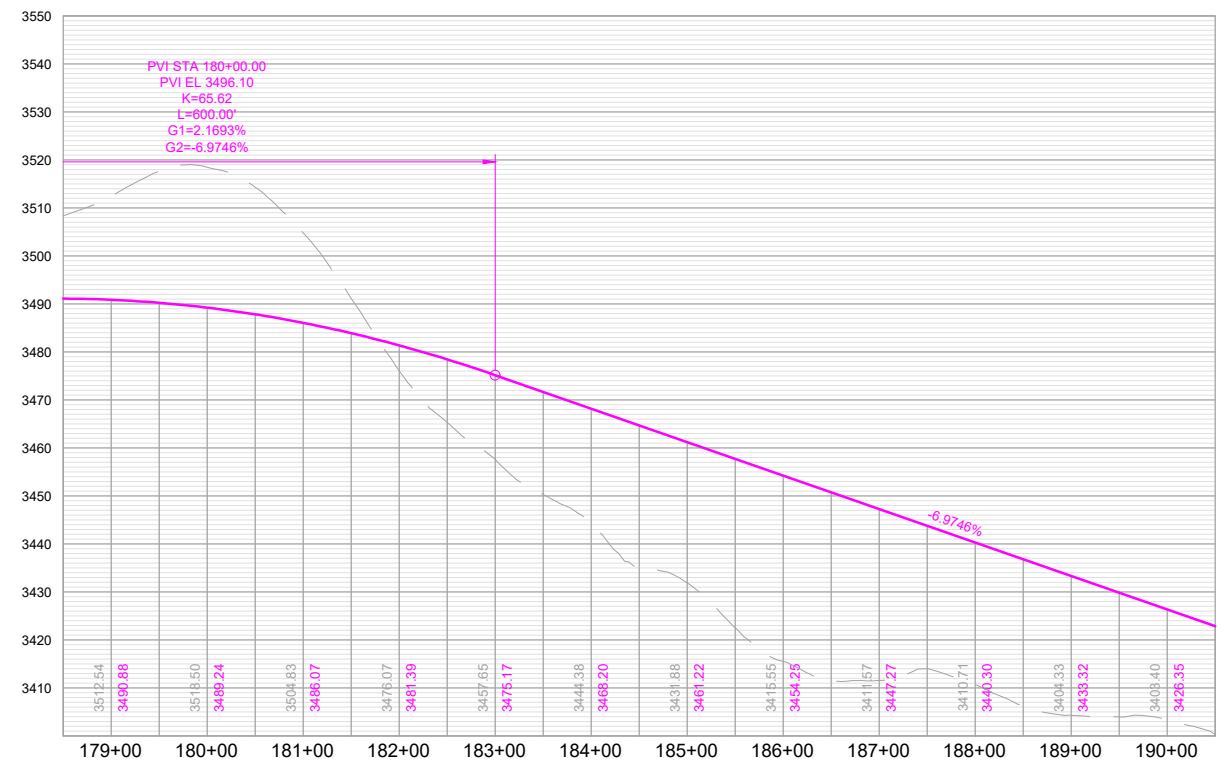
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

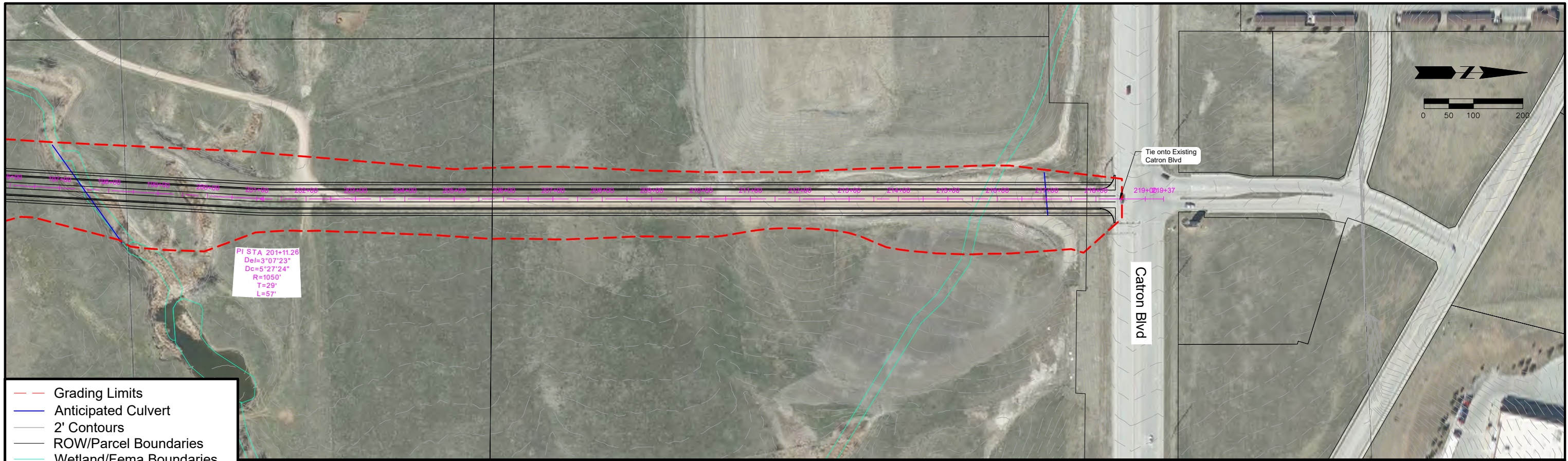




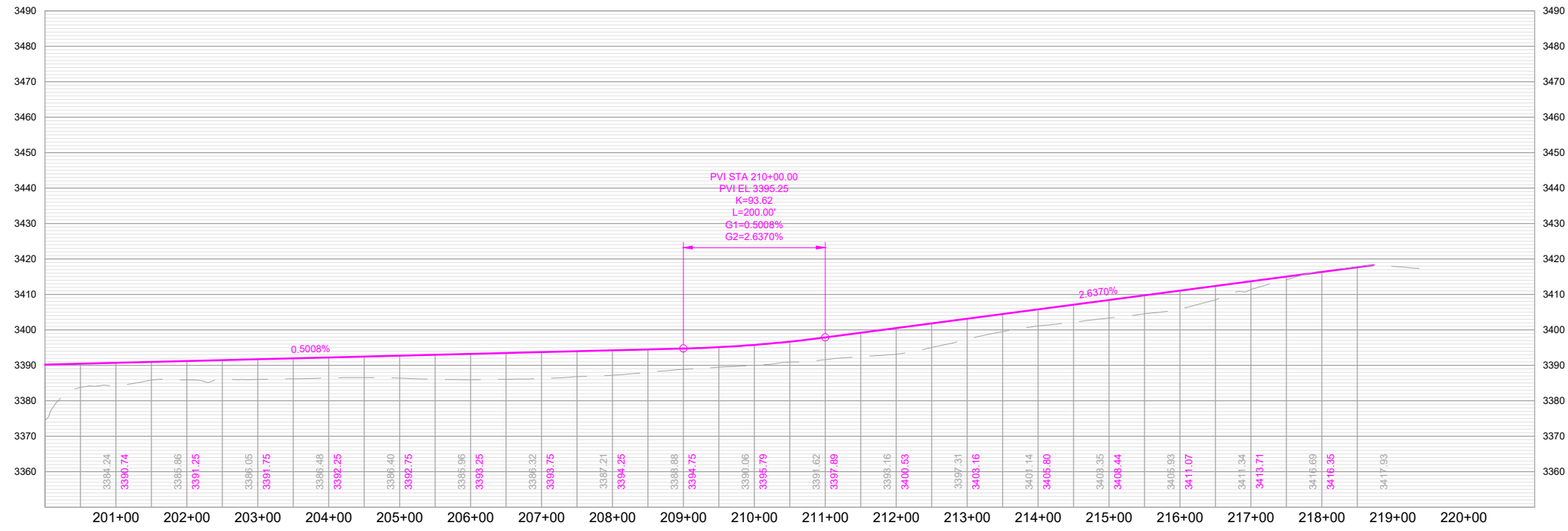
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries







- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



Creek Drive

Marlin Drive to Old Folsom Road

Classification: Collector/Minor Arterial

Corridor Length: 9,400 FT

Estimated Quantities

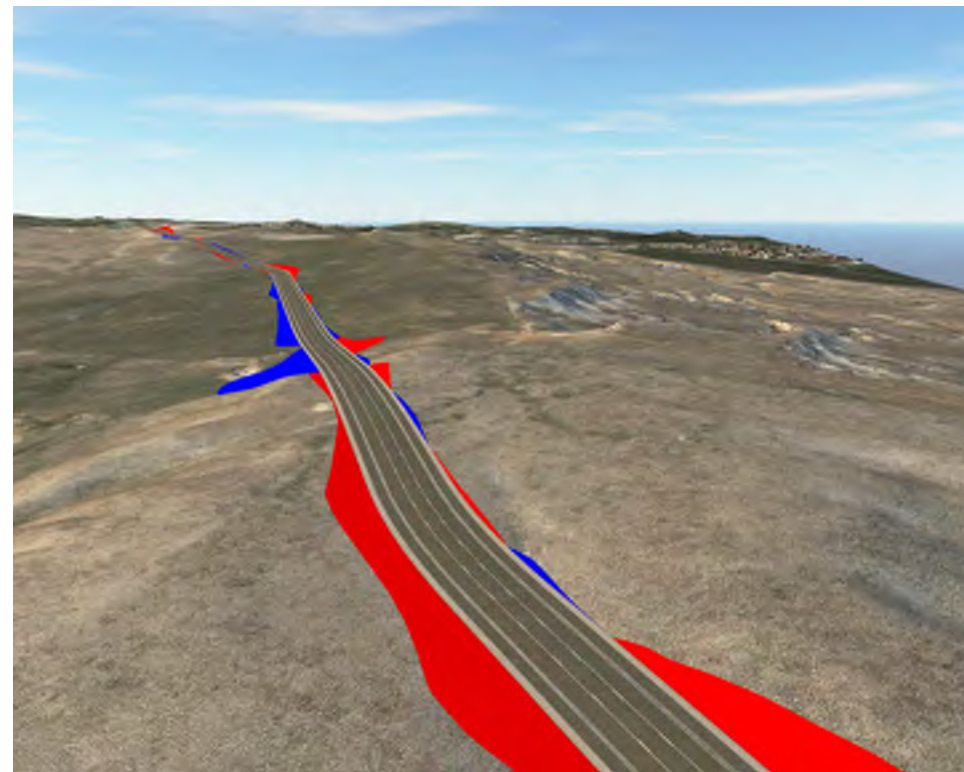
Road Surface: 37,600 SY

Earthwork Cut (Red): 385,426 CY

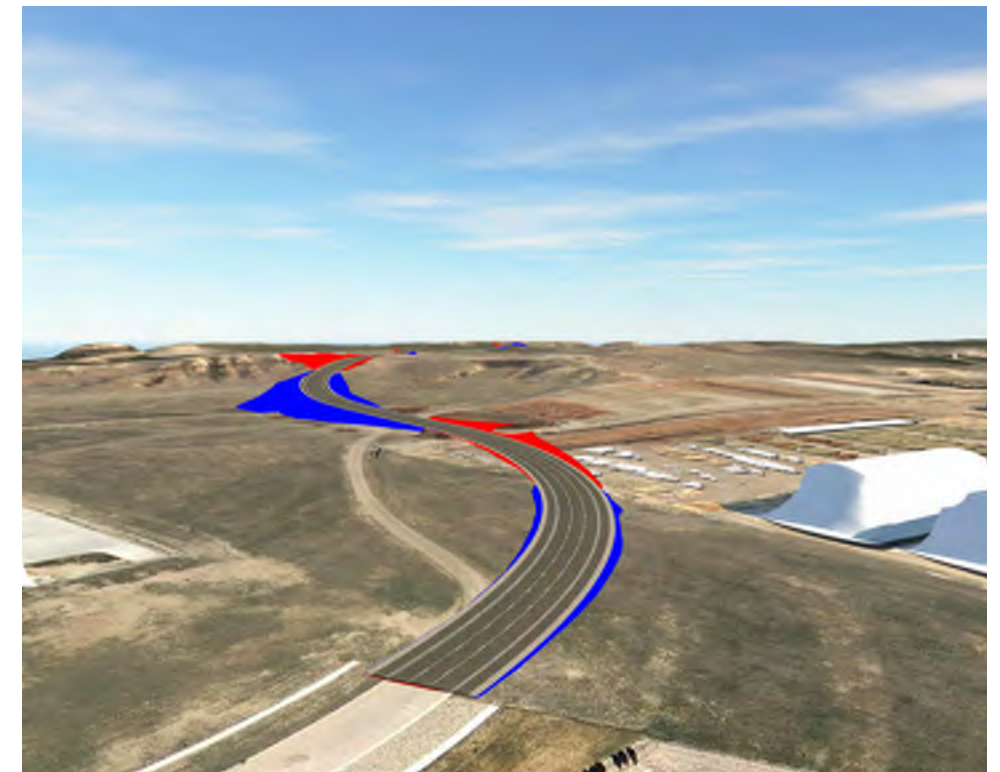
Earthwork Fill (Blue): 124,466 CY

Segment Considerations:

- Design speed – 35 MPH and 45 MPH.



Isometric looking northeast at station 9+00

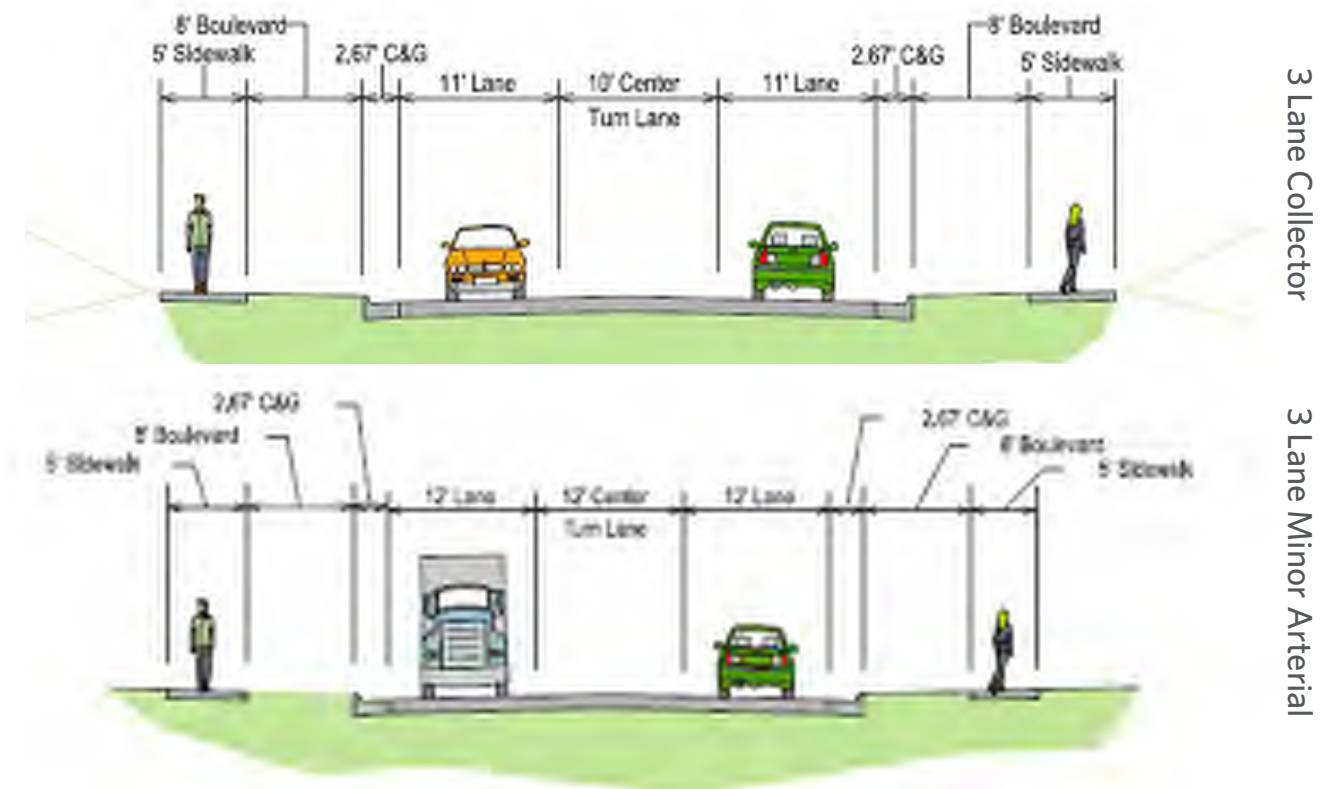


Isometric looking east at station 94+00



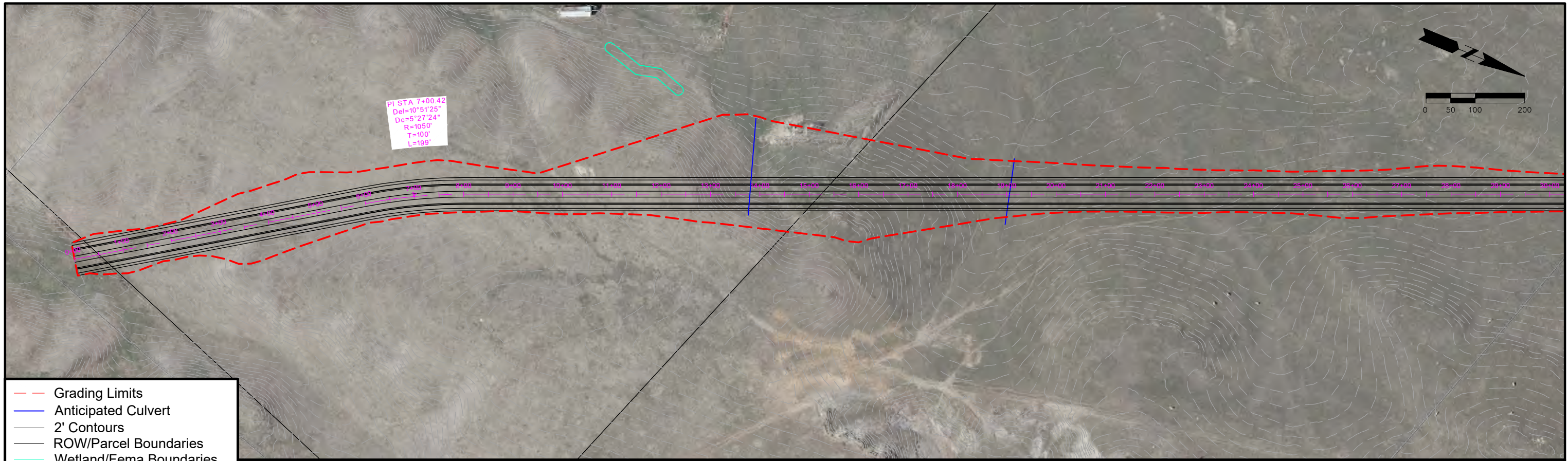
Segment Overview

Proposed Typical Sections

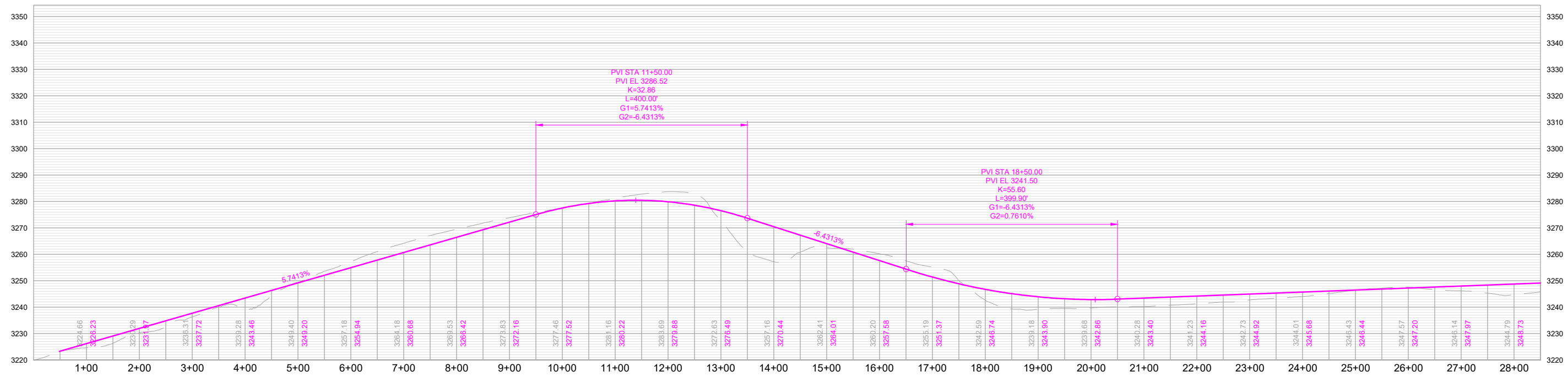


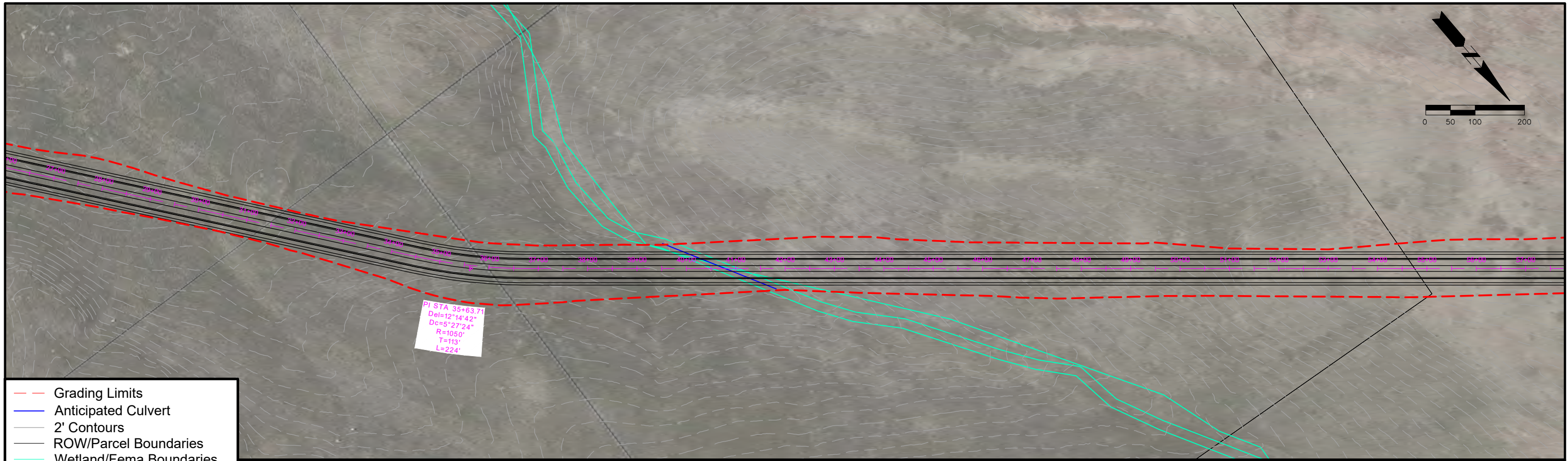
3 Lane Collector

3 Lane Minor Arterial

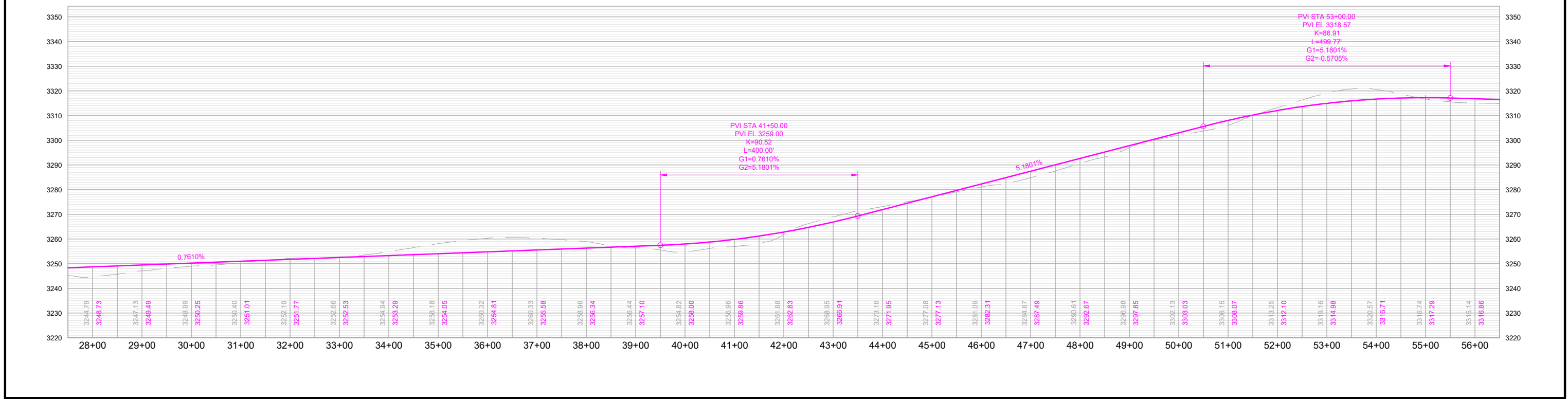


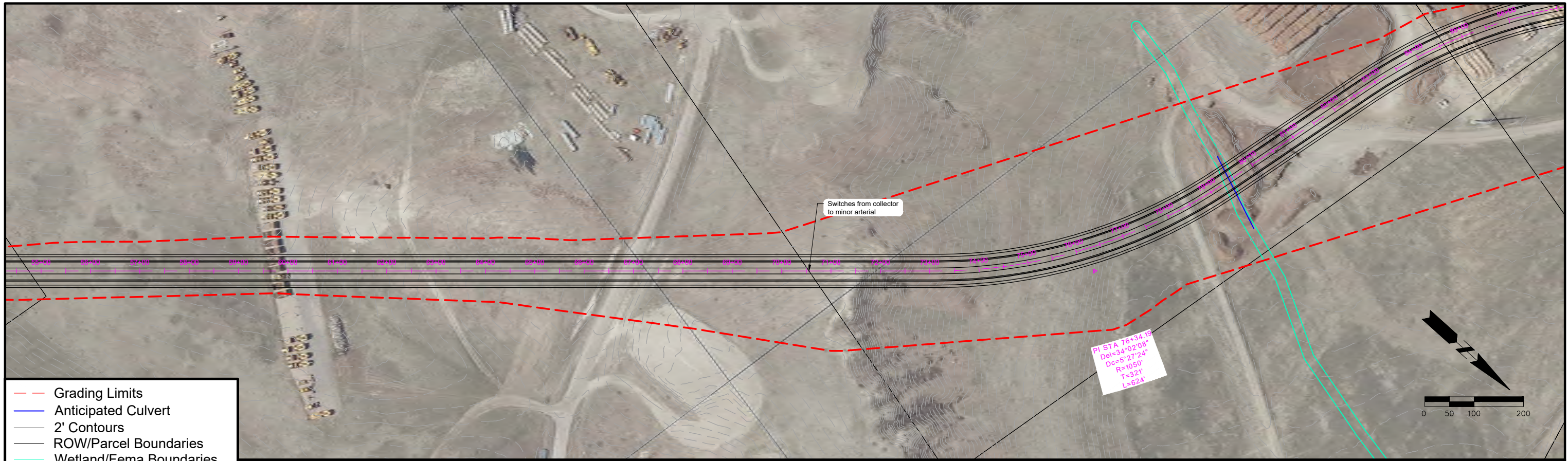
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



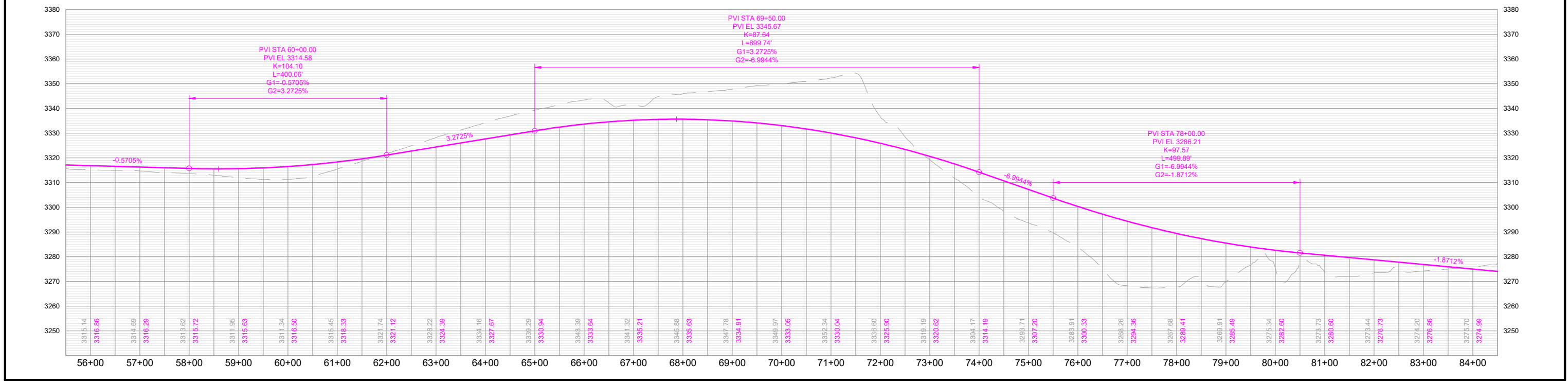
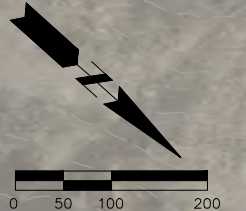


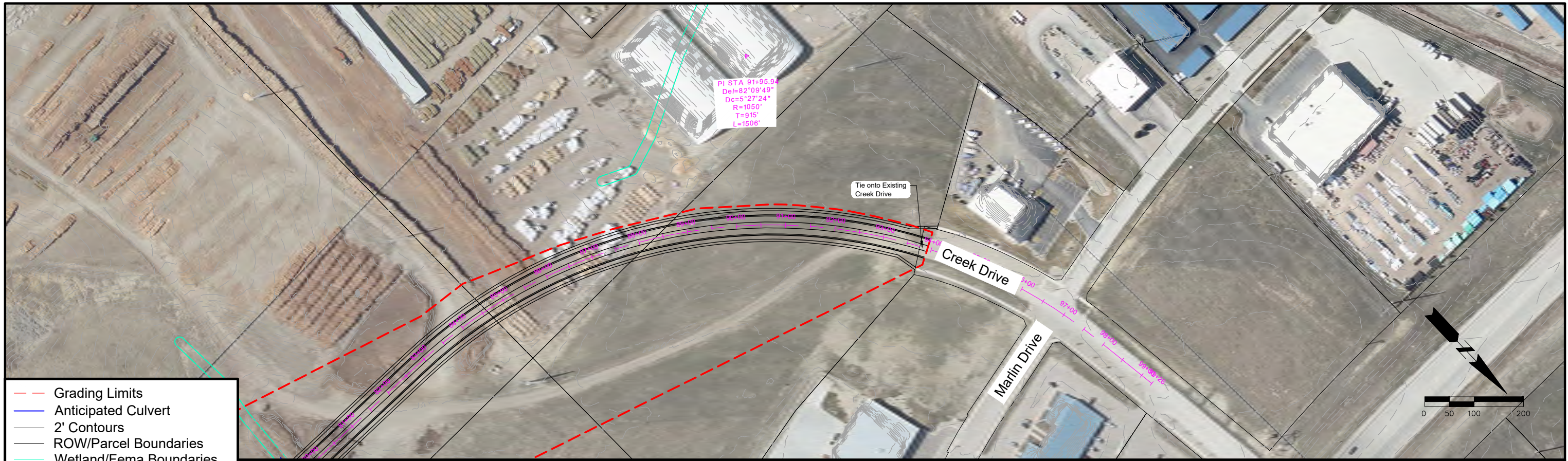
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



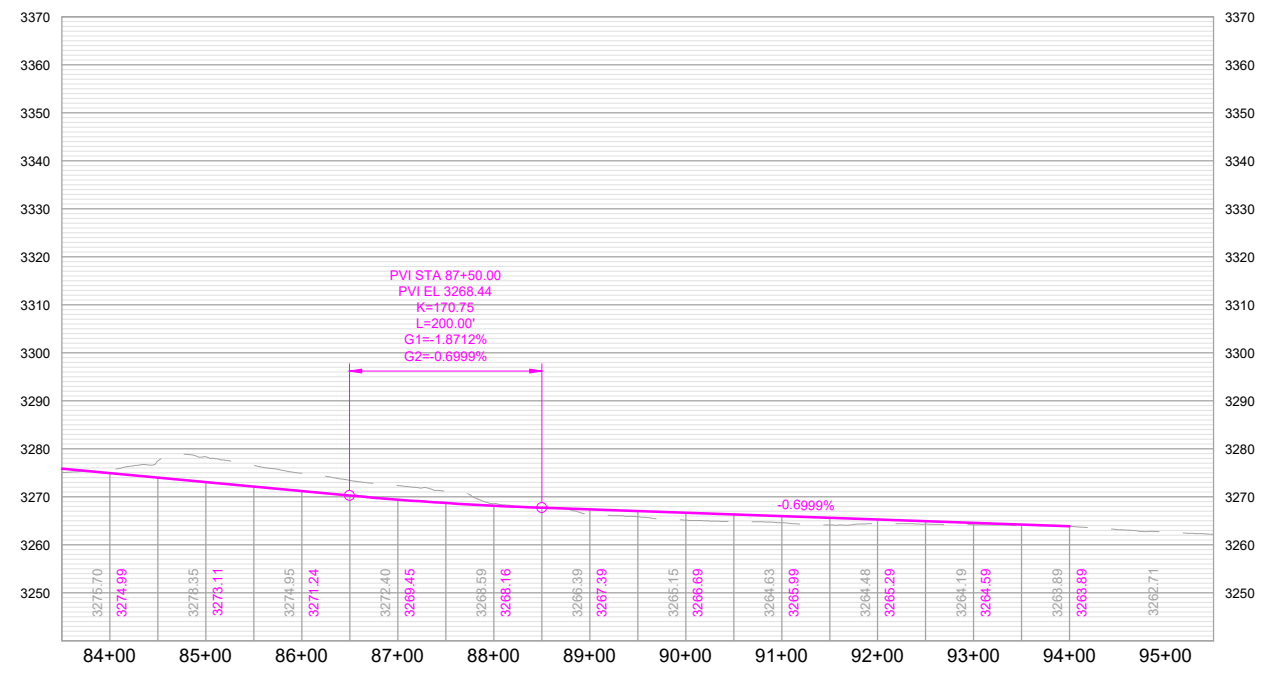


- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



E-W Arterial South of Addison Avenue

Hwy 16 to Black Hills Boulevard

Classification: Minor Arterial

Corridor Length: 8,257 FT

Estimated Quantities

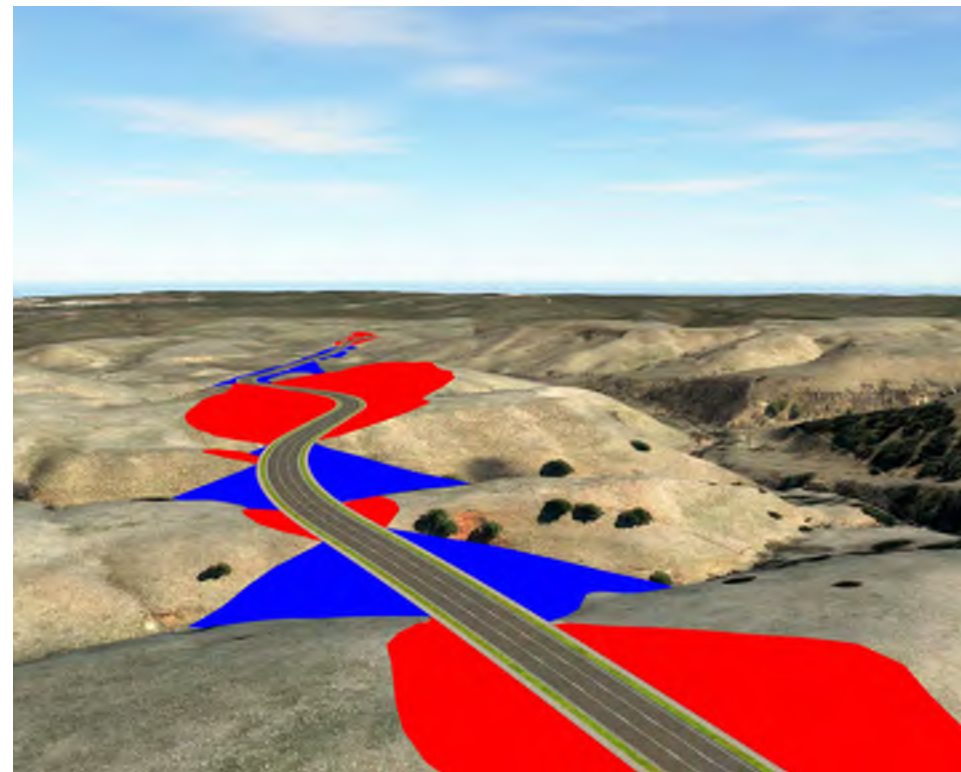
Road Surface: 33,028 SY

Earthwork Cut (Red): 688,609 CY

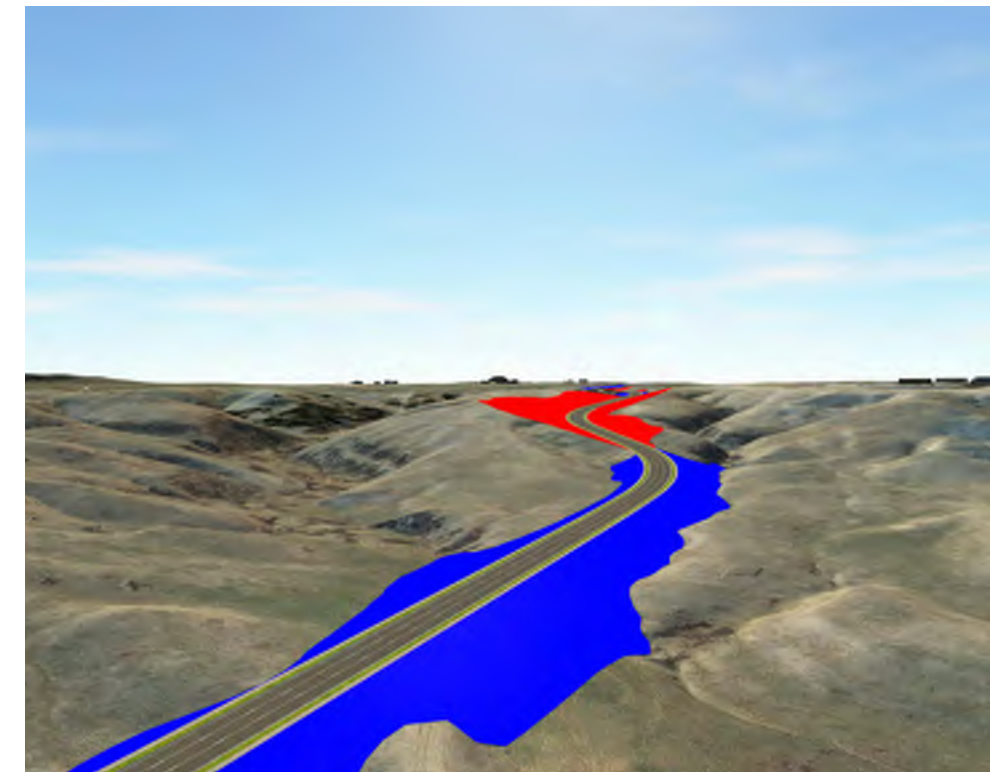
Earthwork Fill (Blue): 504,223 CY

Segment Considerations:

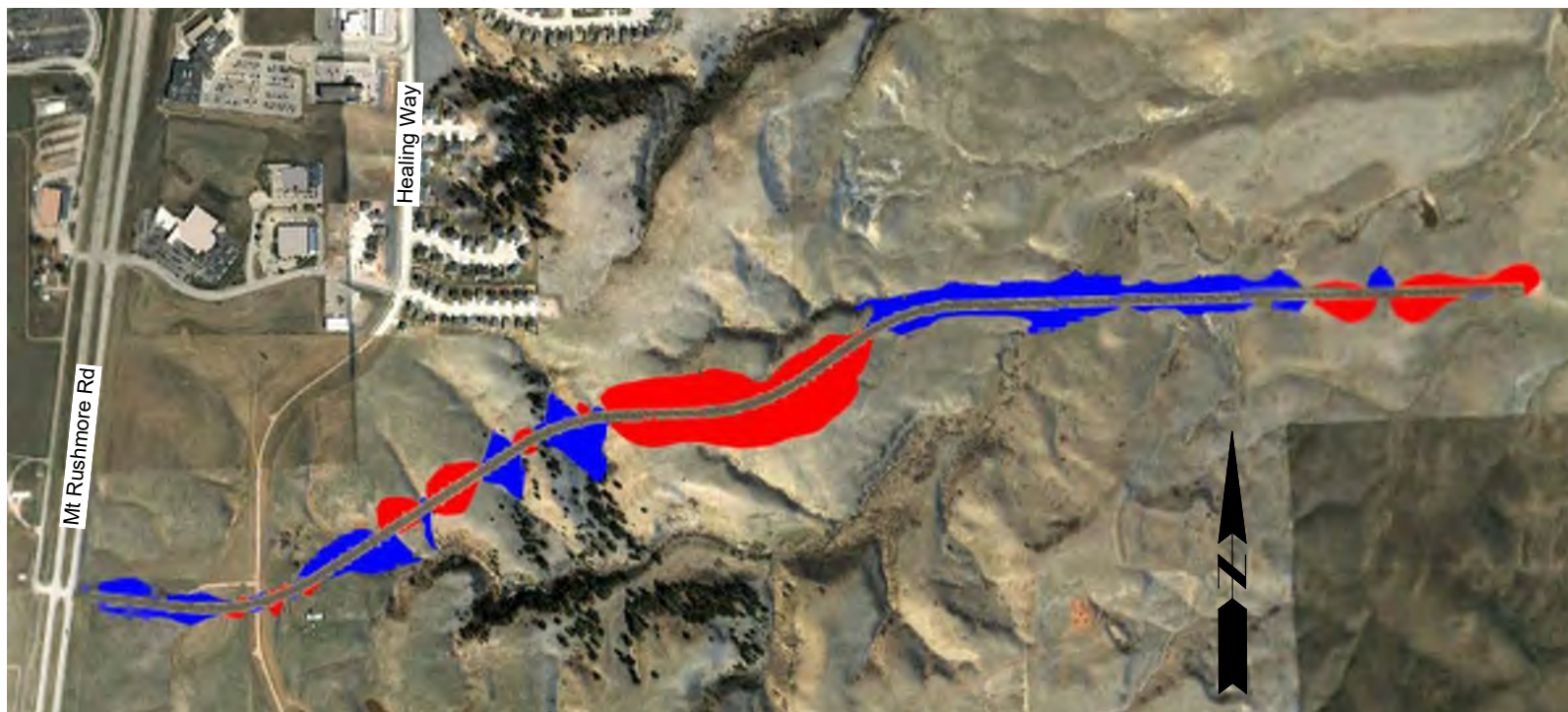
- Design speed – 45 MPH.



Isometric looking east at station 24+00



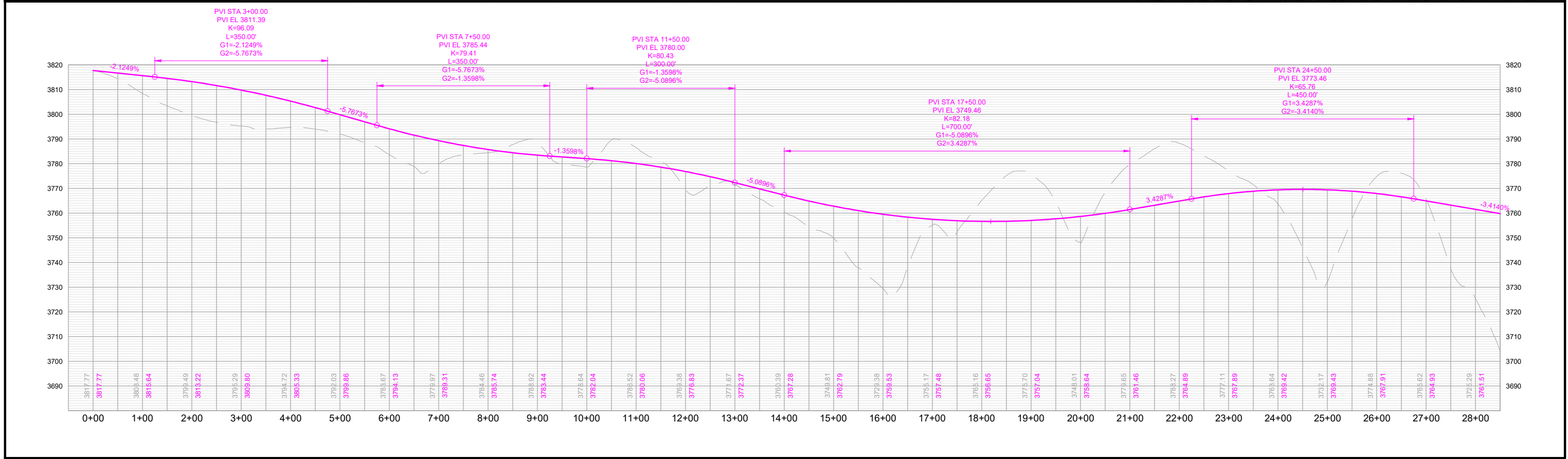
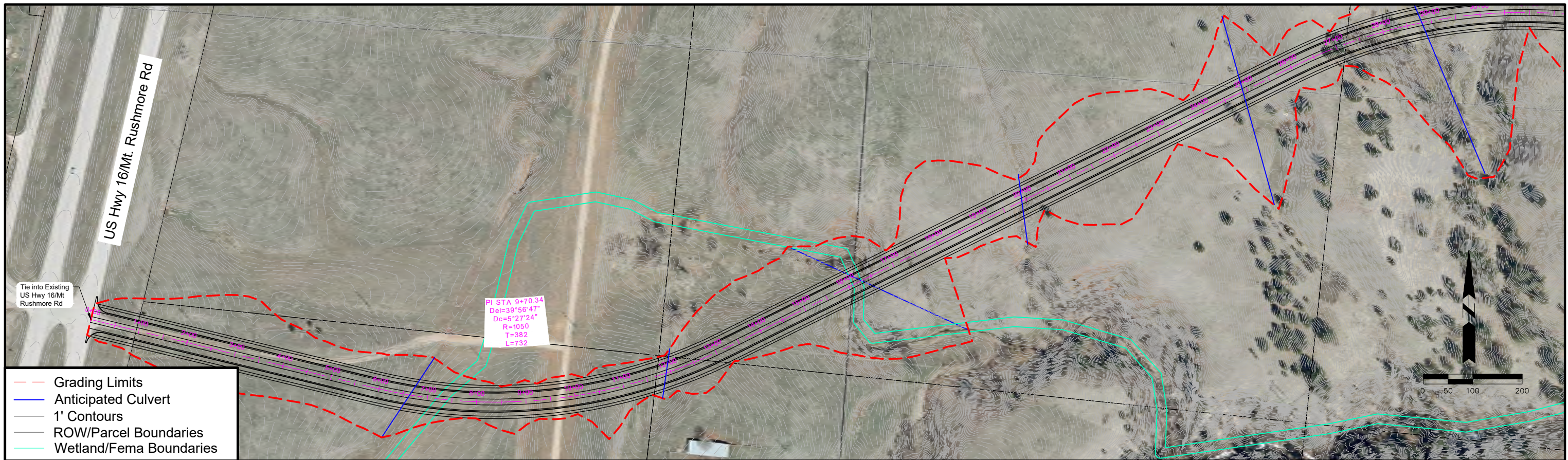
Isometric looking southwest at station 60+00

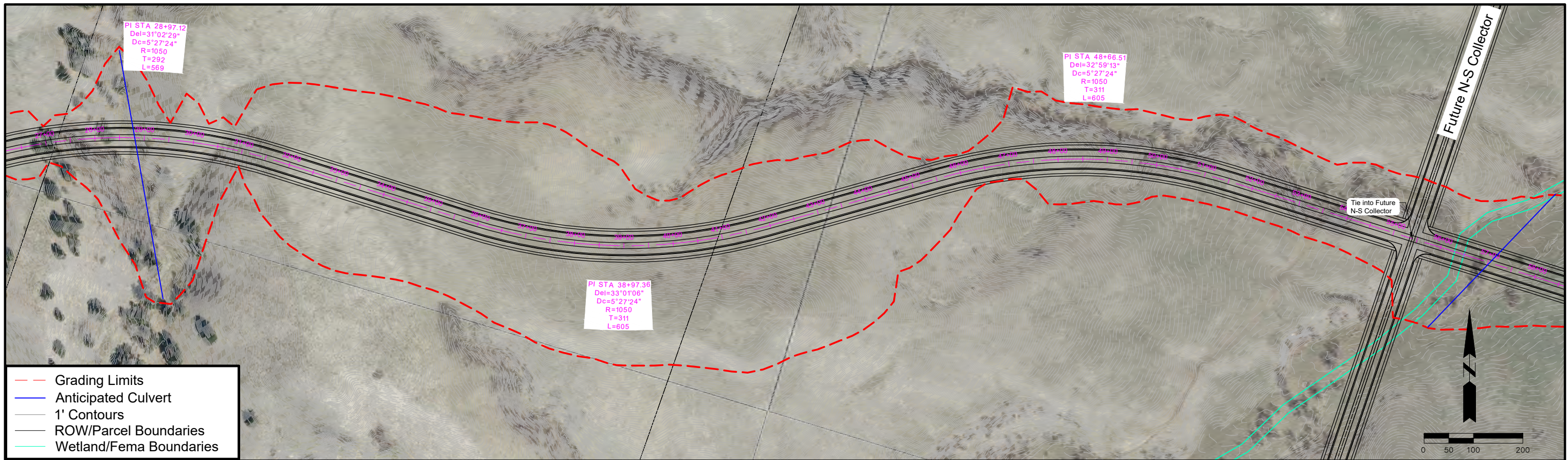


Segment Overview

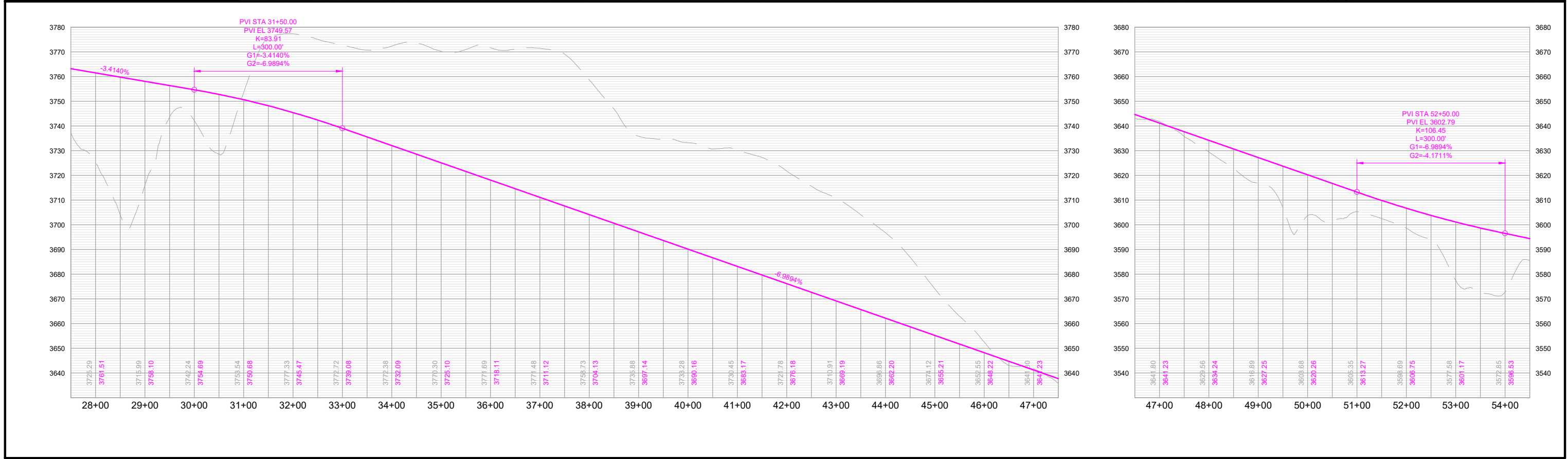
Proposed Typical Section 3 Lane Minor Arterial

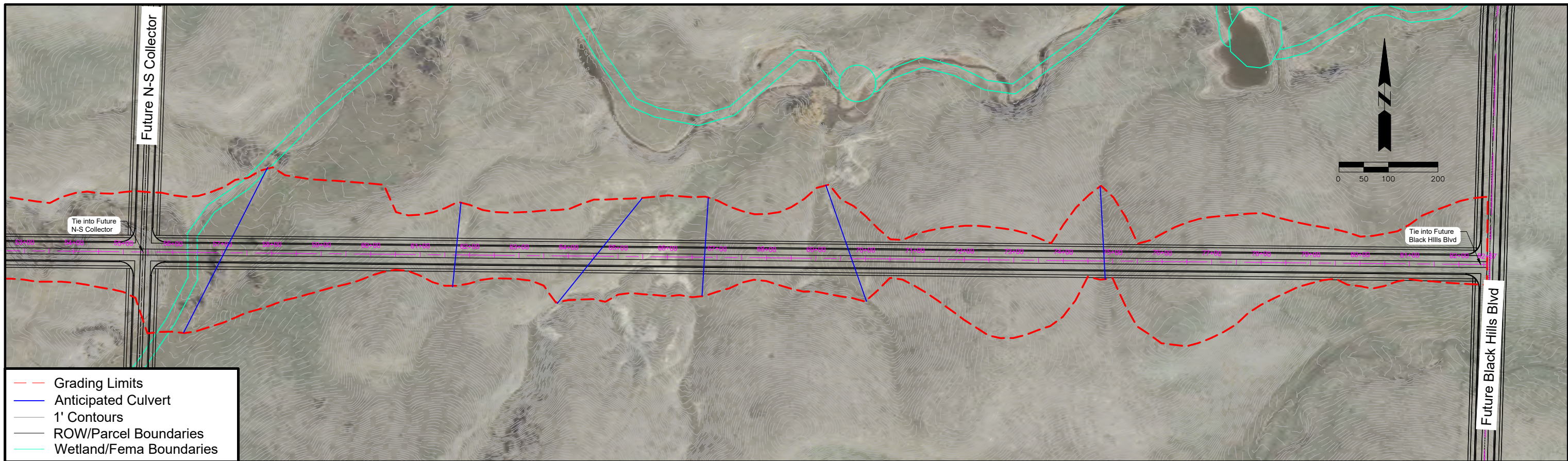




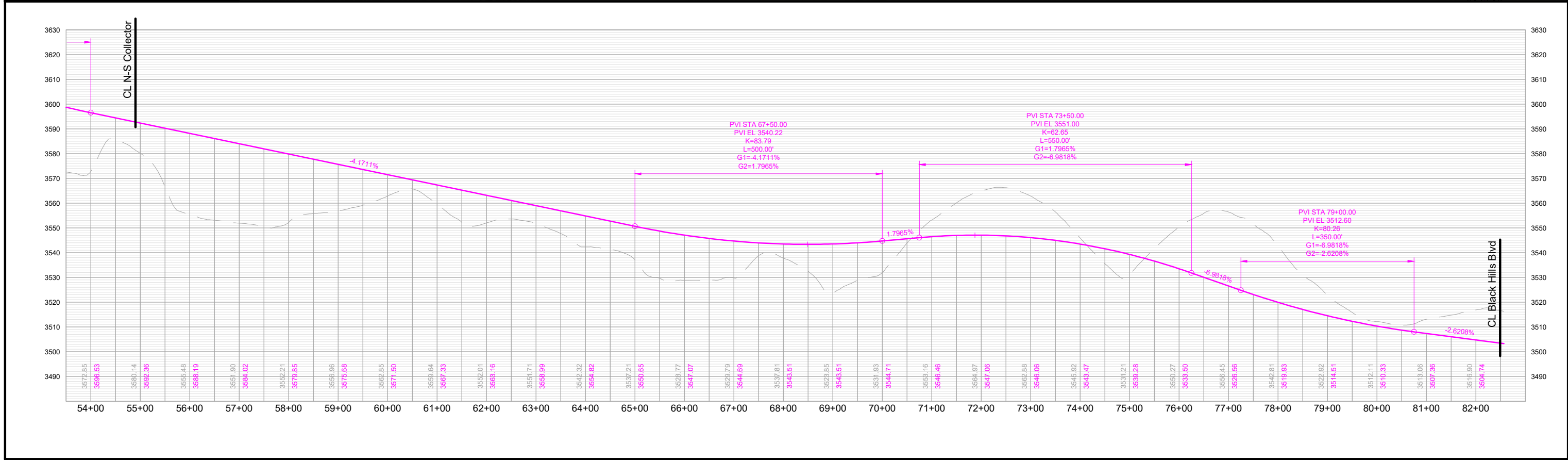


- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



E Fairmont Boulevard

Cambell Street to Elk Vale Road

Classification: Minor Arterial

Corridor Length: 6,600 FT

Estimated Quantities

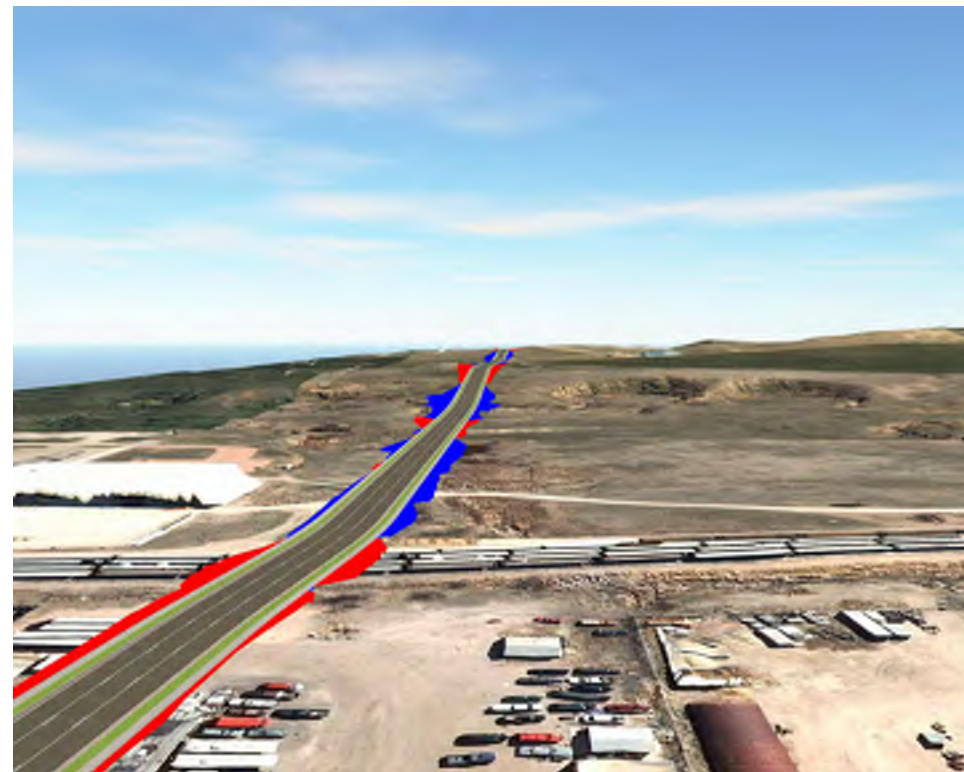
Road Surface: 26,400 SY

Earthwork Cut (Red): 52,326 CY

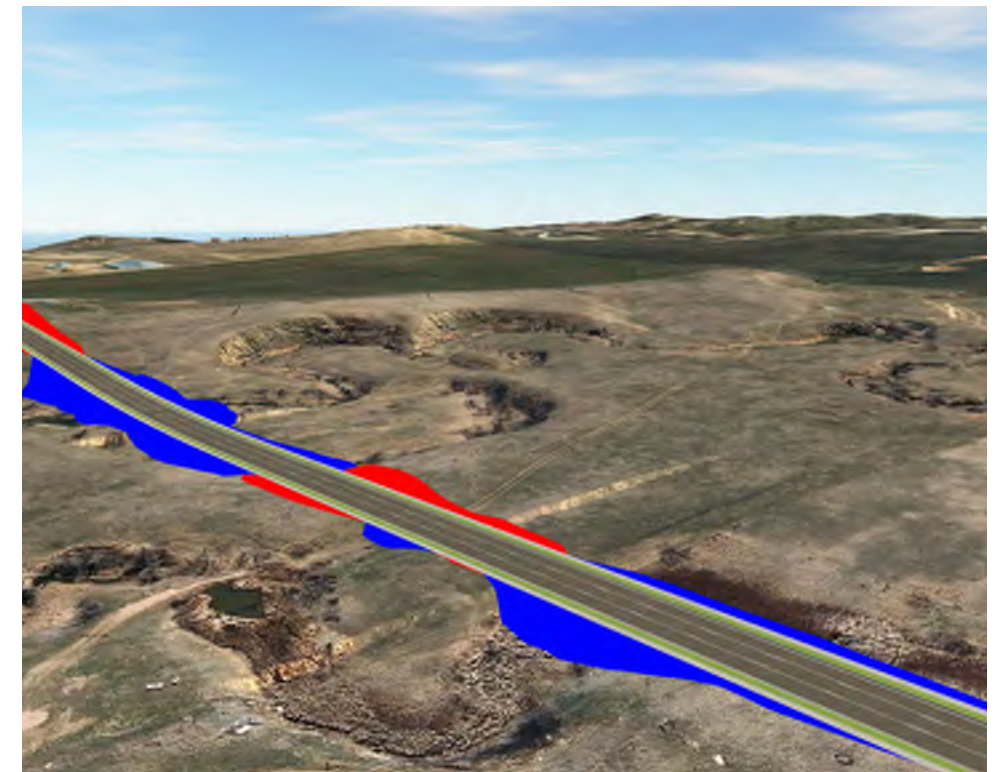
Earthwork Fill (Blue): 103,700 CY

Segment Considerations:

- Impacts to 100-year floodplain.
- Rail grade separated and at grade options for west end multi-track crossing developed.
- K value for grade separated crossing vertical curve does not meet minor arterial requirement.
- Design speed – 45 MPH.



Isometric looking east at station 9+00



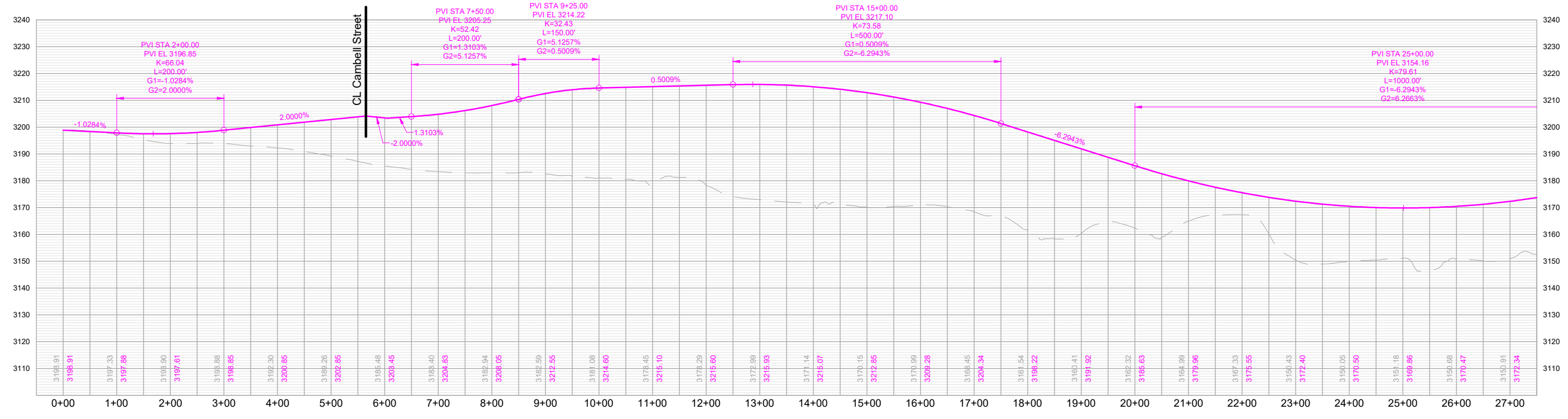
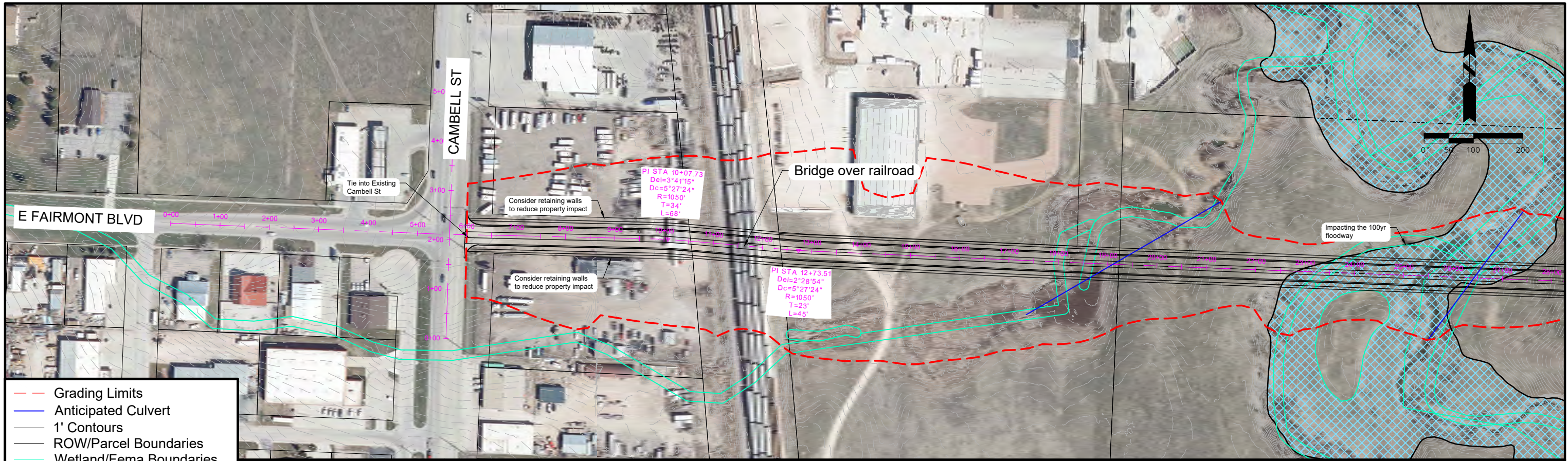
Isometric looking southeast at station 18+00

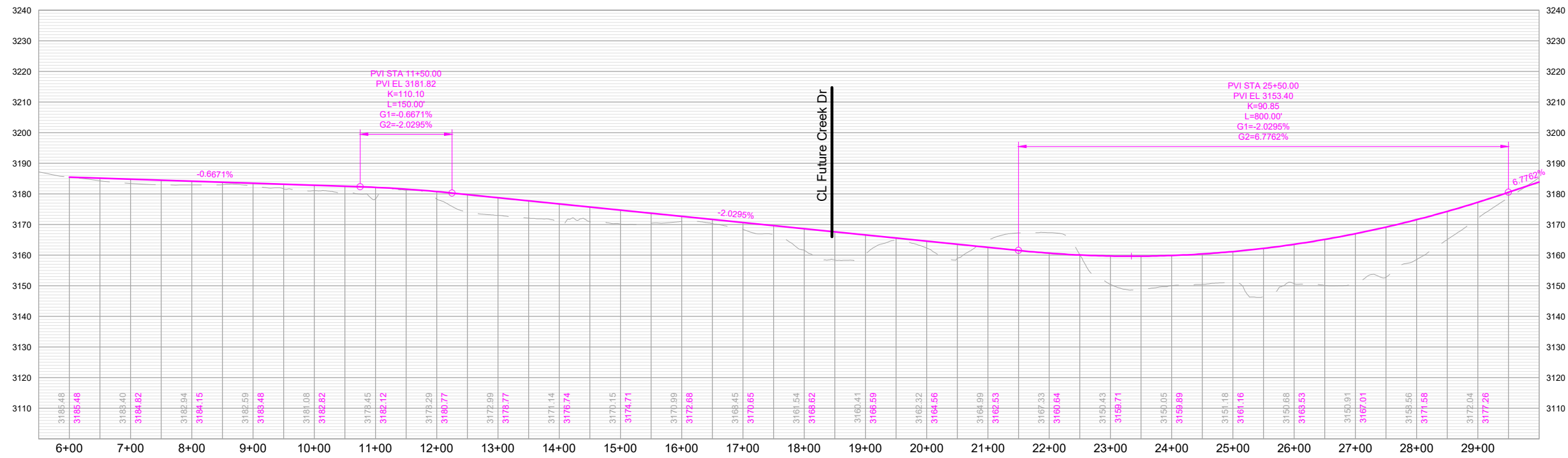
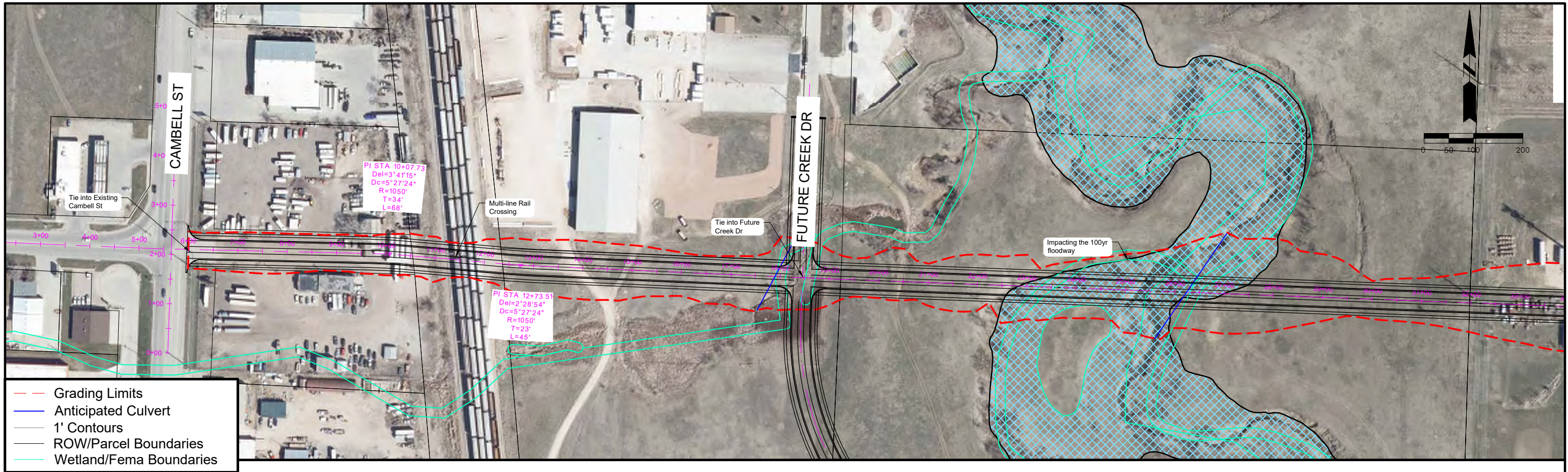


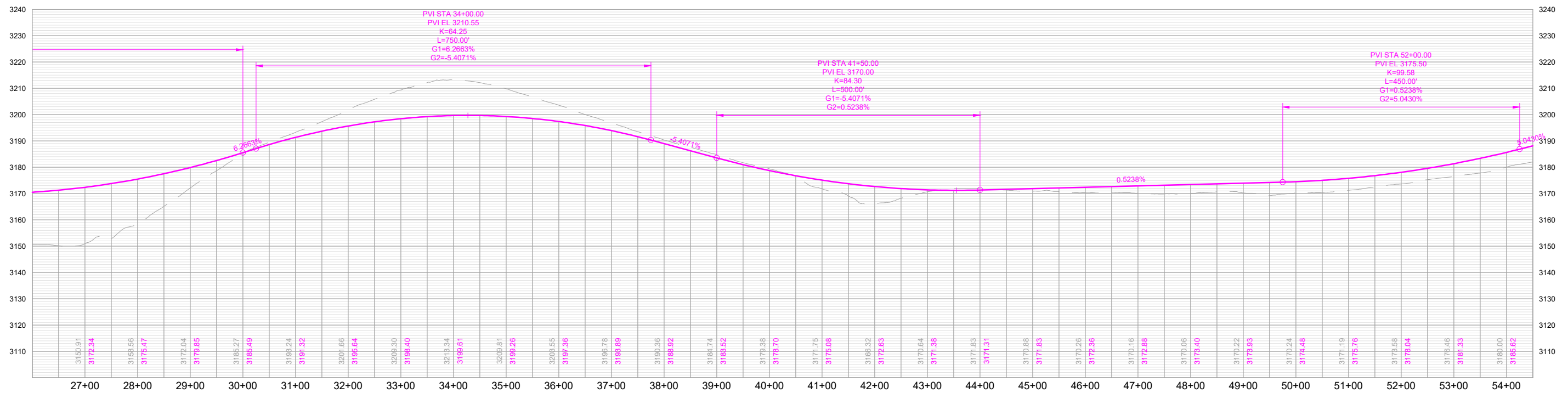
Segment Overview

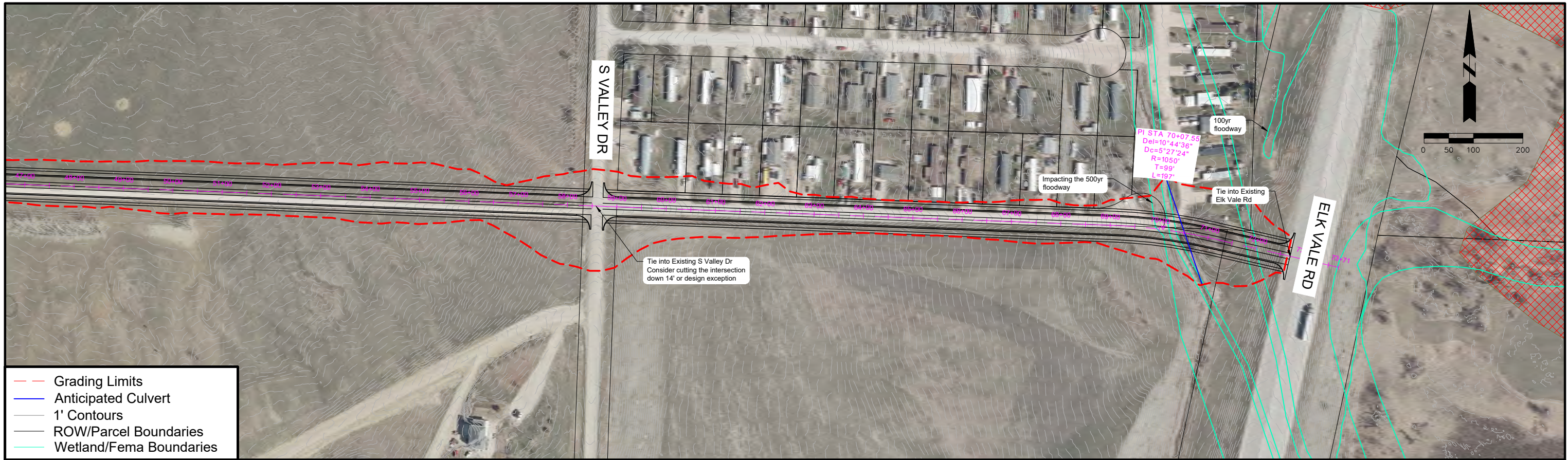
Proposed Typical Section 3 Lane Minor Arterial



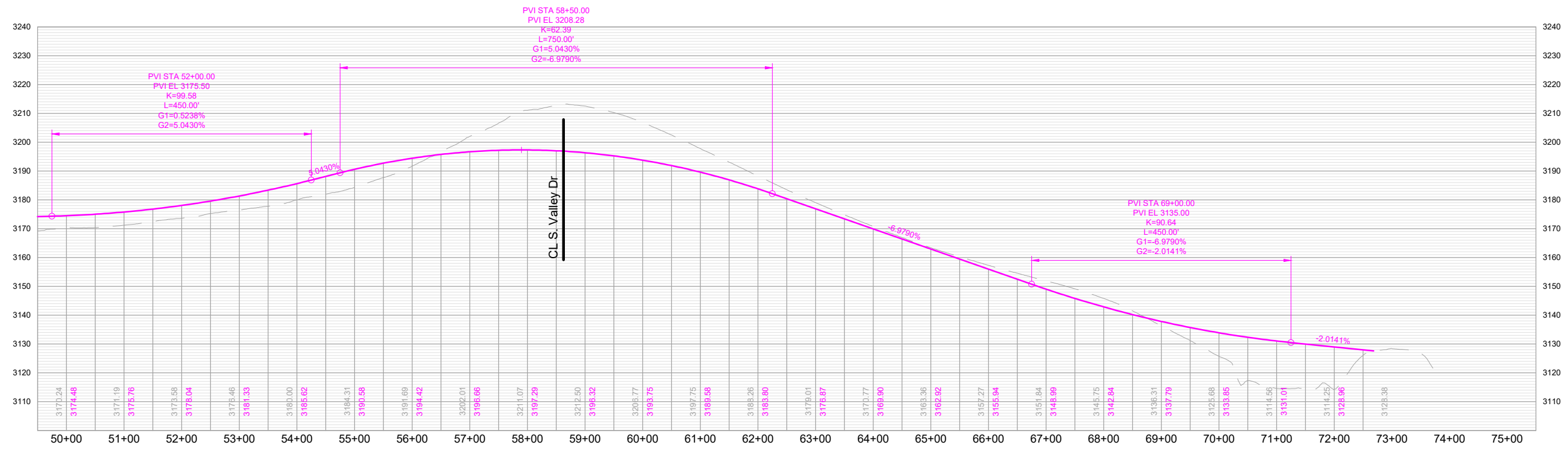








- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



Les Hollers Way

Sheridan Lake Road to Catron Boulevard

Classification: Principal Arterial

Corridor Length: 5,800 FT

Estimated Quantities

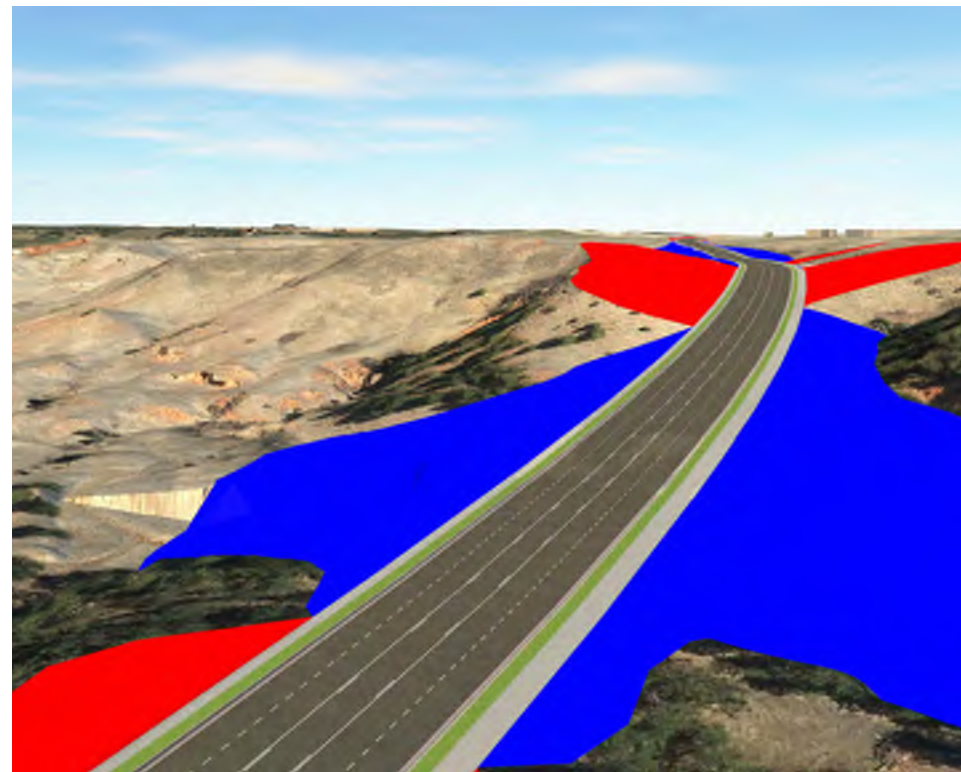
Road Surface: 37,378 SY

Earthwork Cut (Red): 452,979 CY

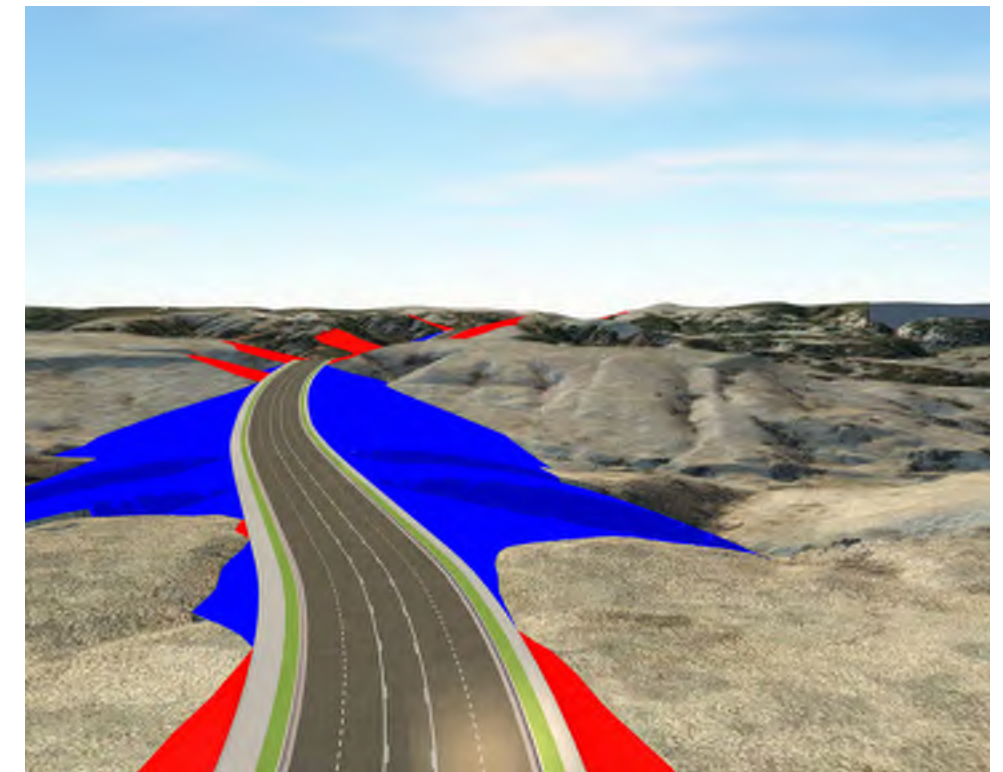
Earthwork Fill (Blue): 1,875,393 CY

Segment Considerations:

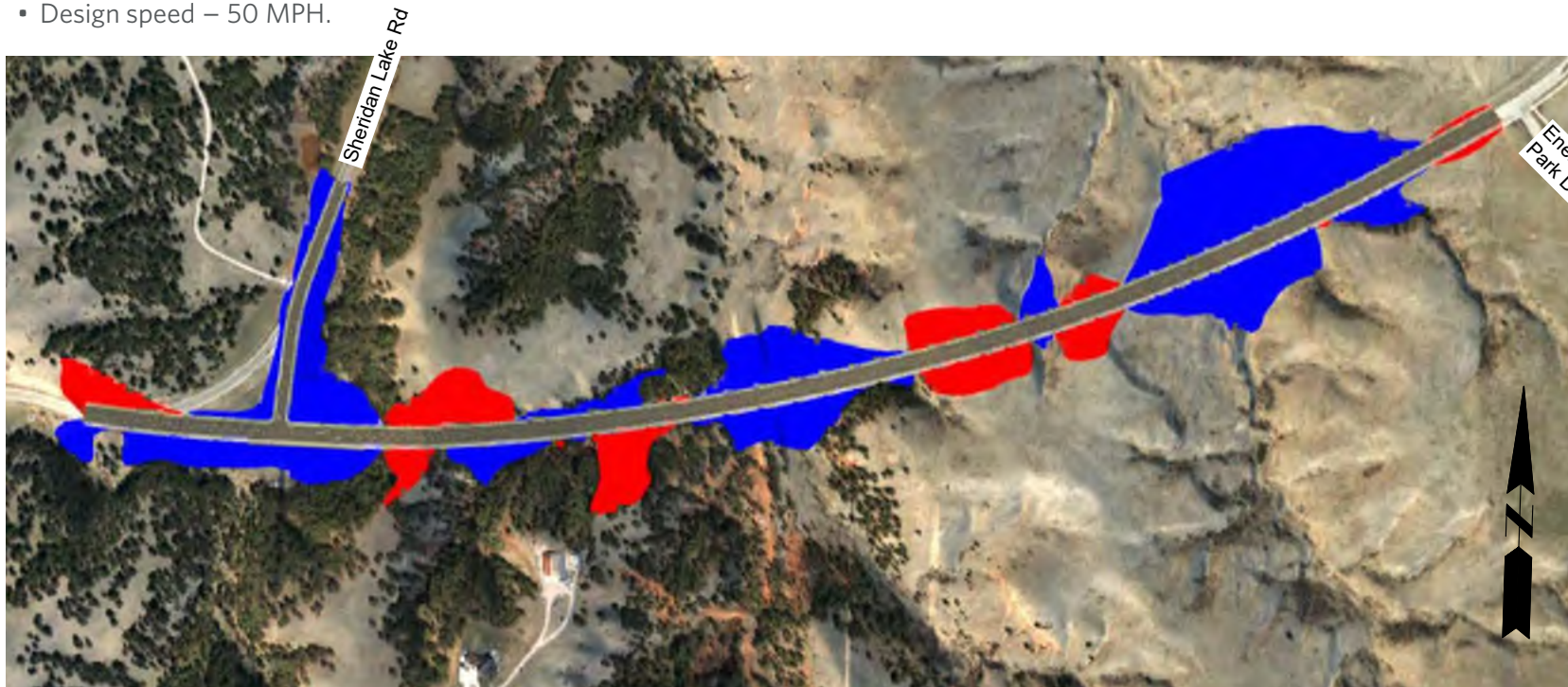
- Re-alignment of Sheridan Lake Road required on west end for proposed configuration. Conceptual alternative intersection at Catron Boulevard provided should traffic volumes on Les Hollers exceed Catron Boulevard volumes west of US Hwy 16.
- Design speed – 50 MPH.



Isometric looking northeast at station 29+00



Isometric looking southwest at station 62+00

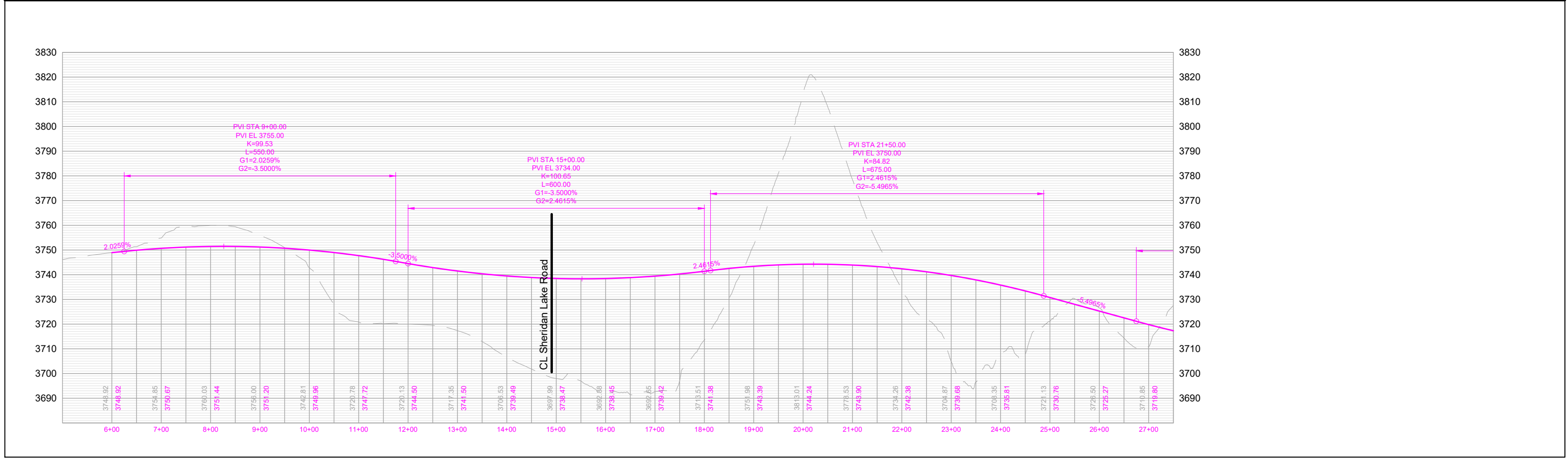
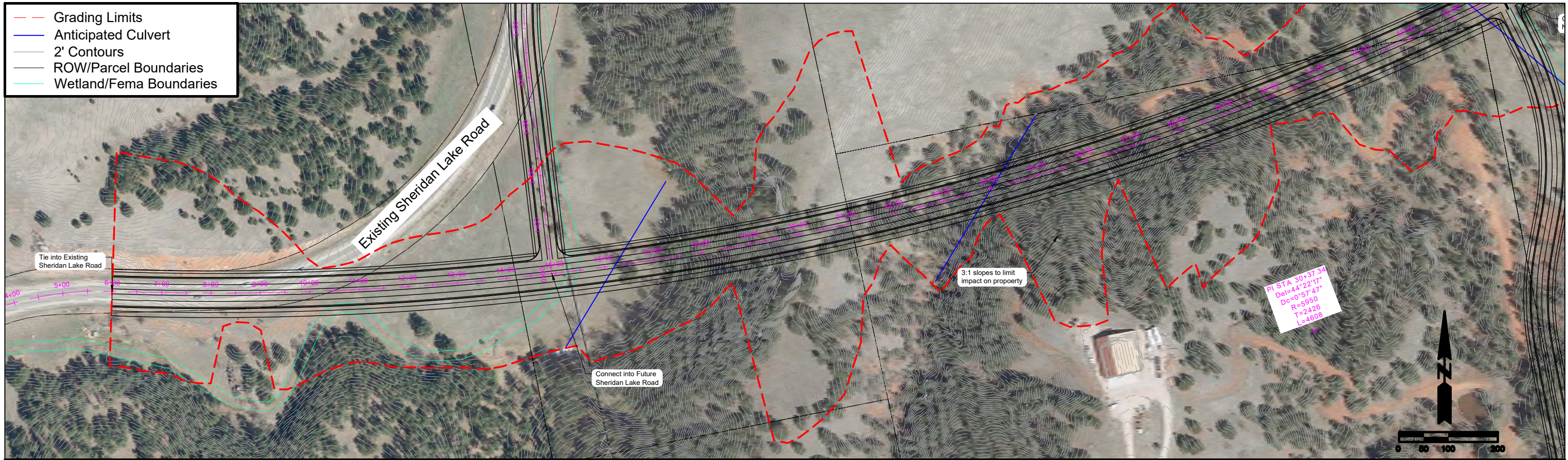


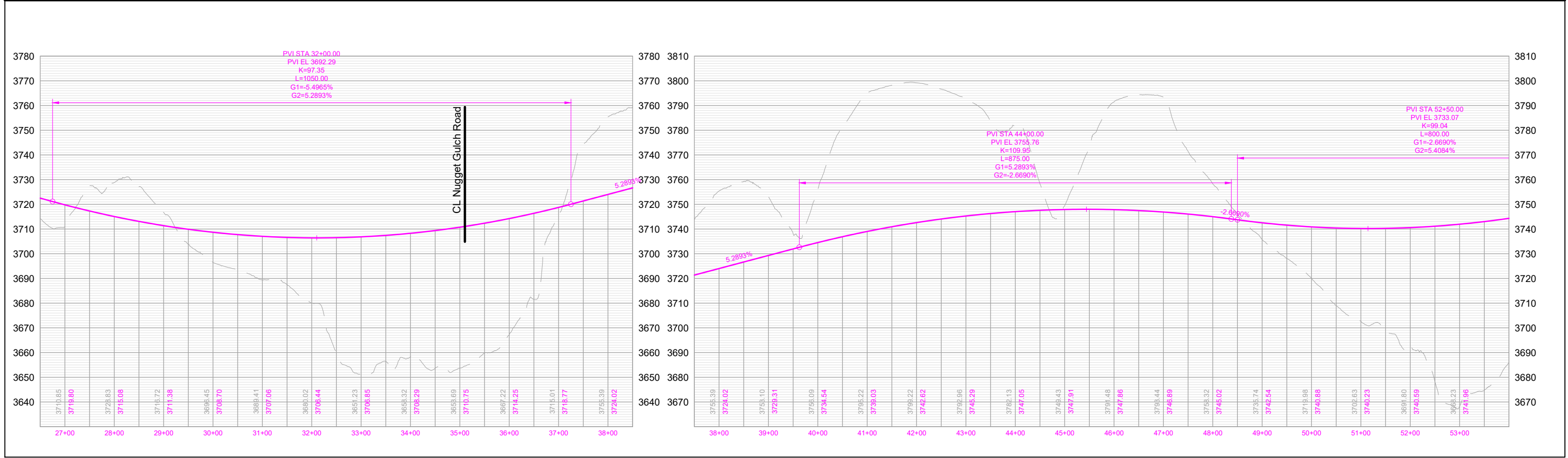
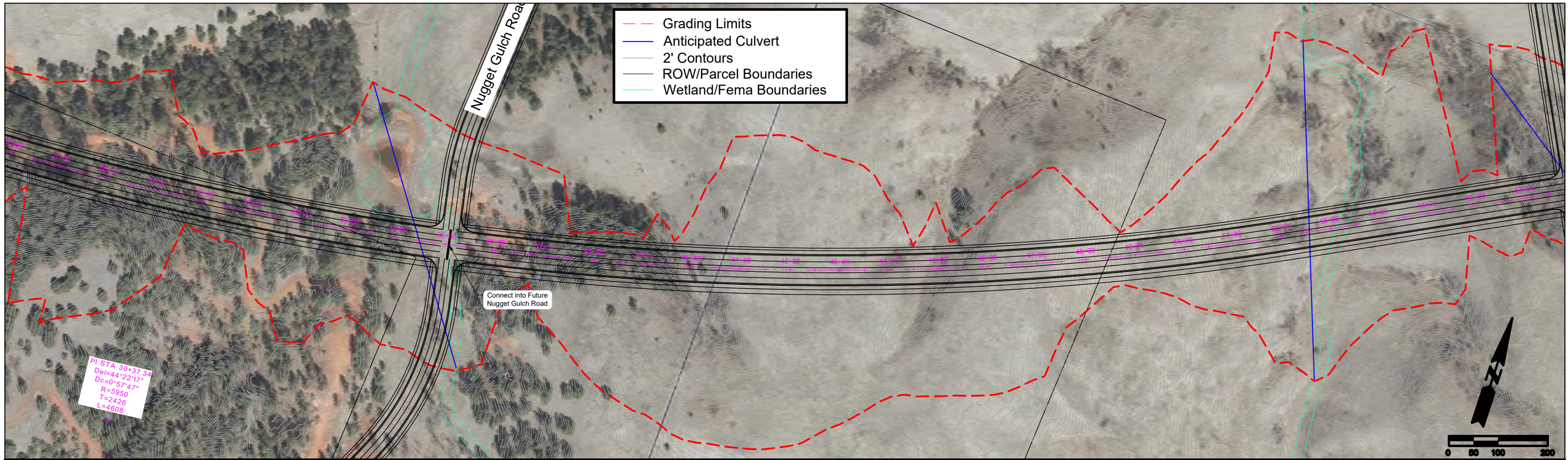
Segment Overview

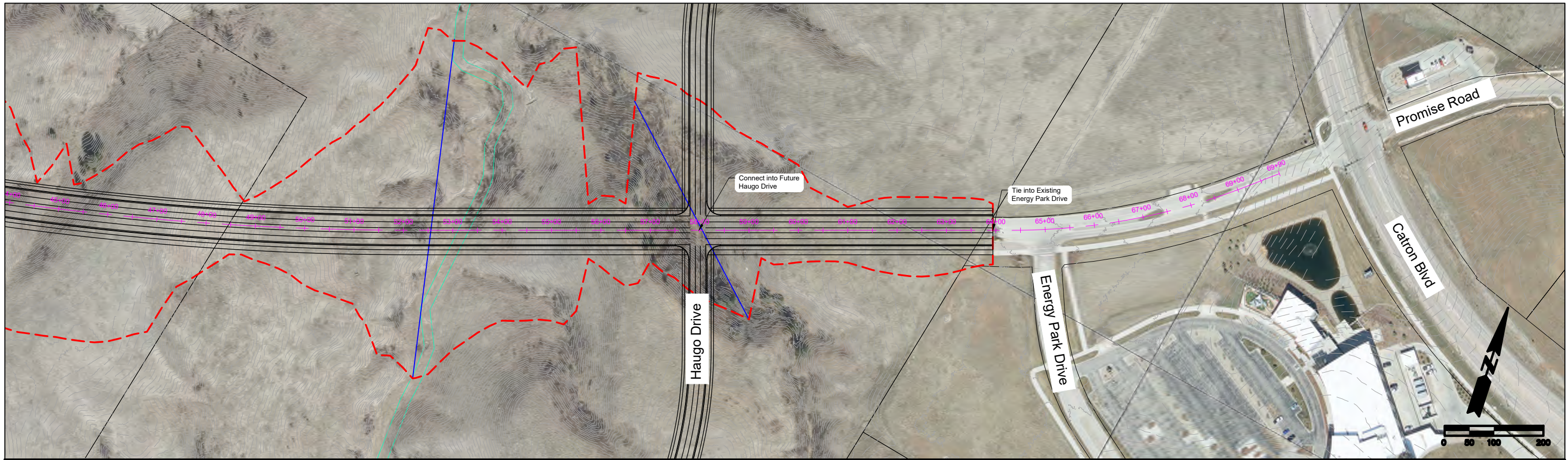
Proposed Typical Section 5 Lane Principal Arterial



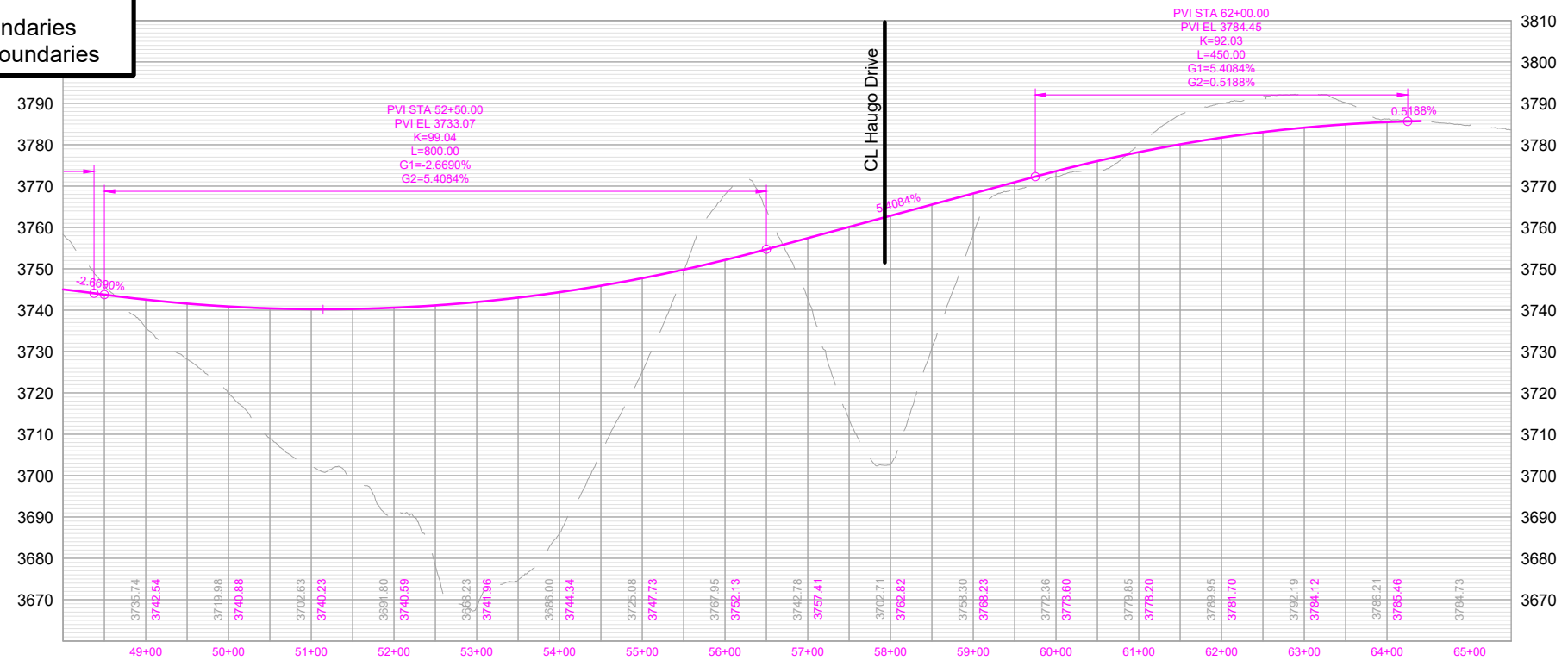
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

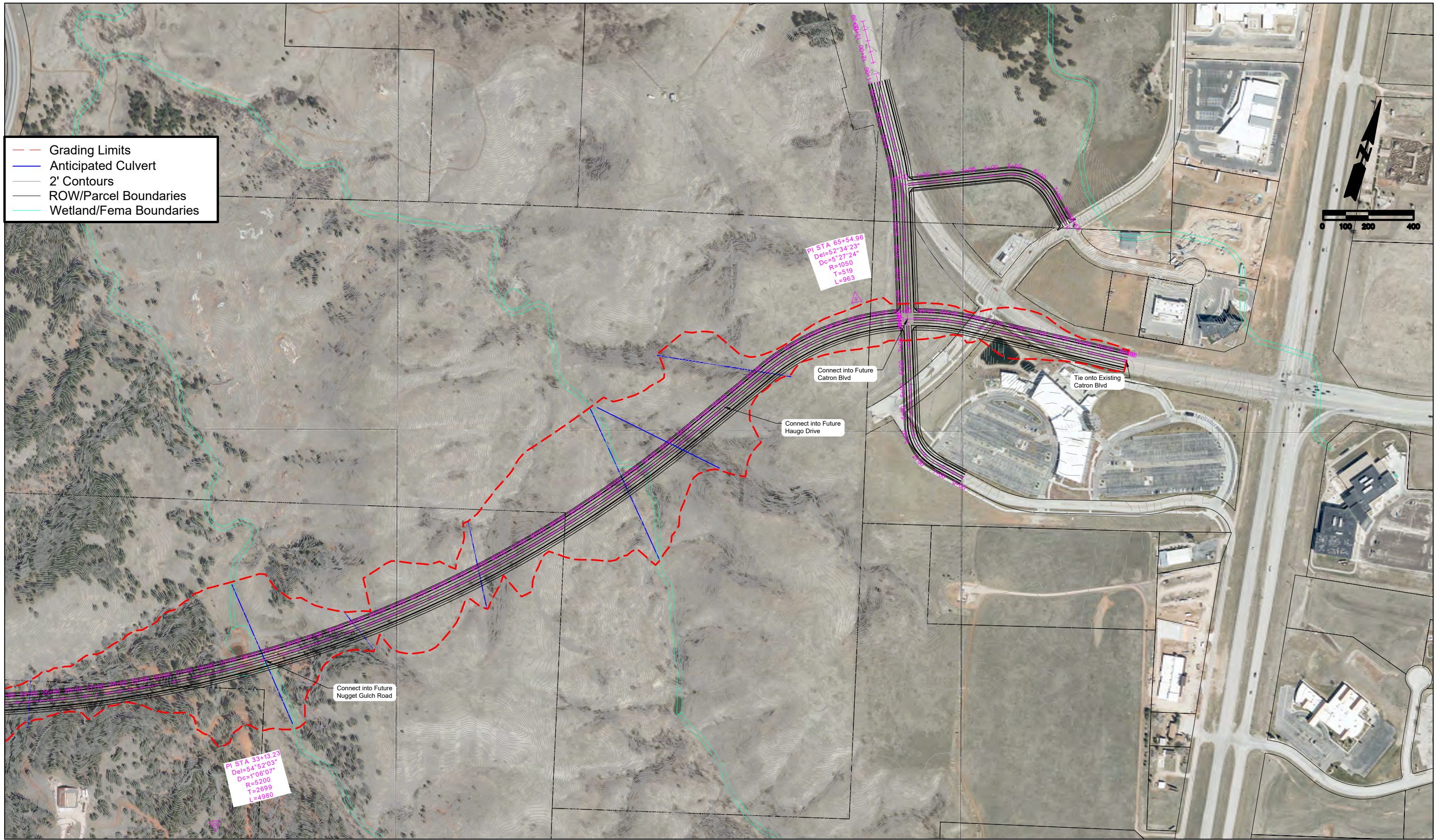


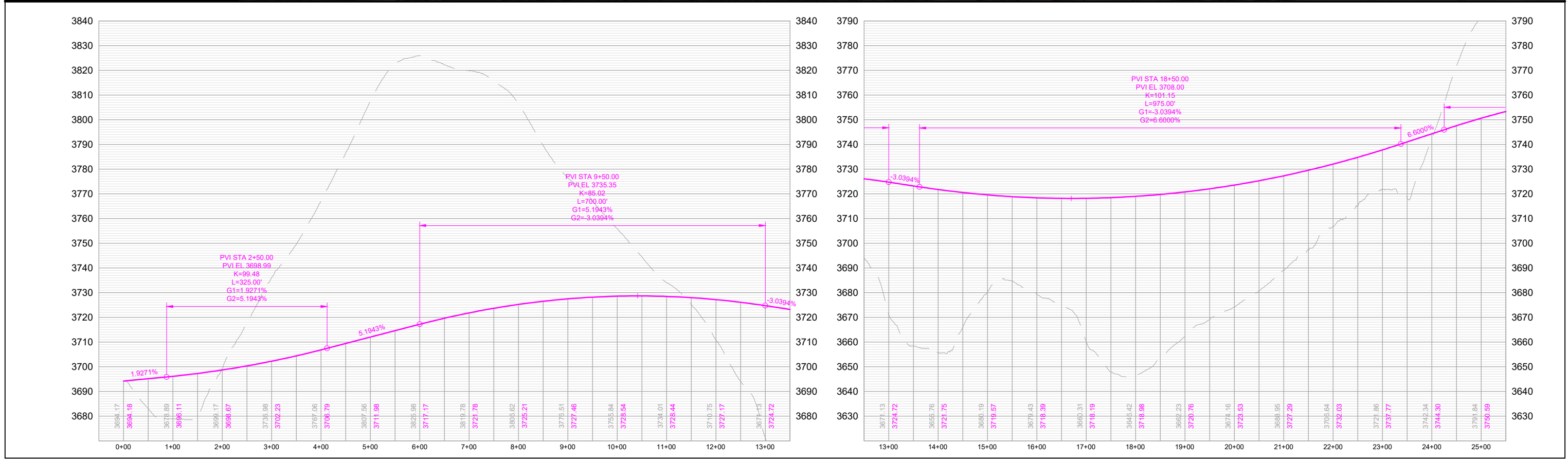


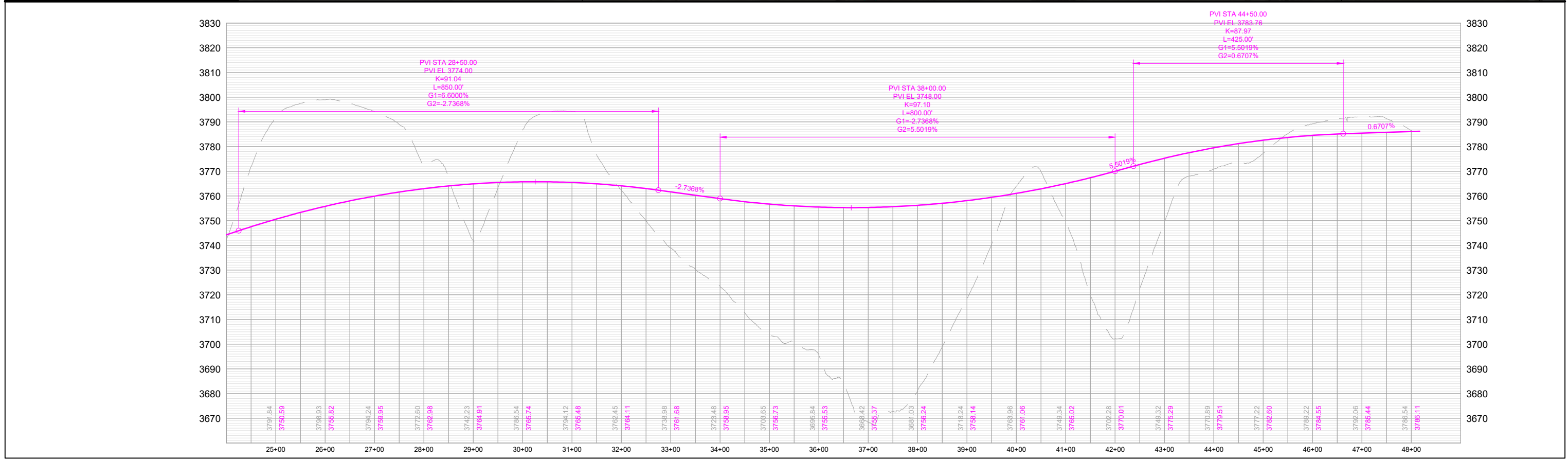


- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries









E Minnesota Street

Cambell Street to S Valley Drive

Classification: Minor Arterial

Corridor Length: 5,100 FT

Estimated Quantities

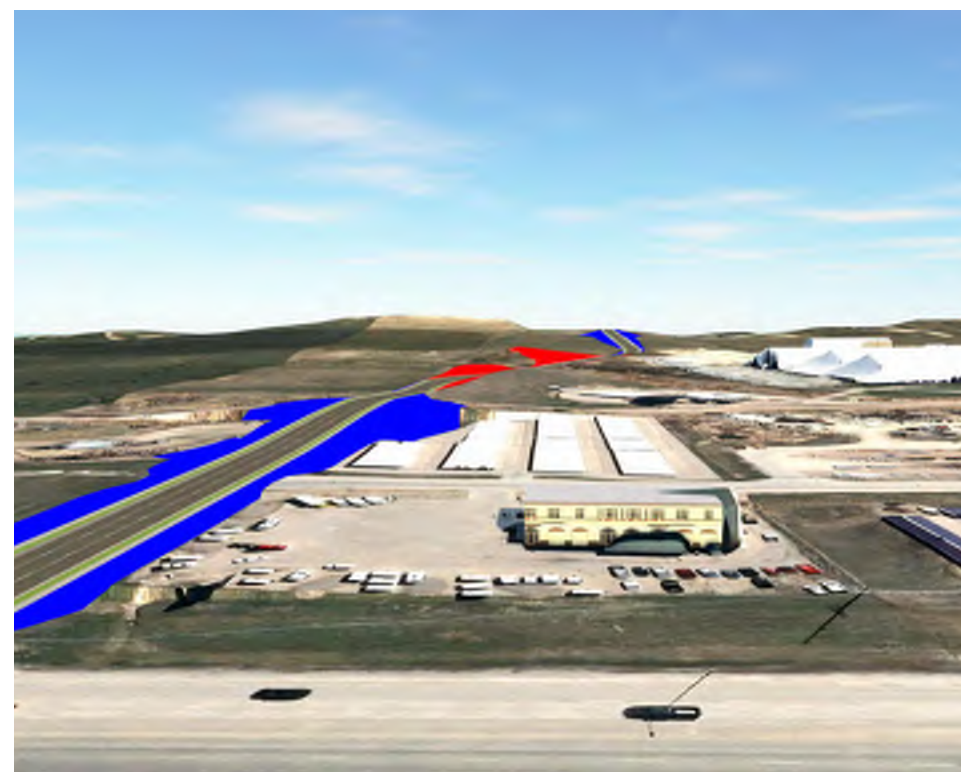
Road Surface: 20,400 SY

Earthwork Cut (Red): 22,683 CY

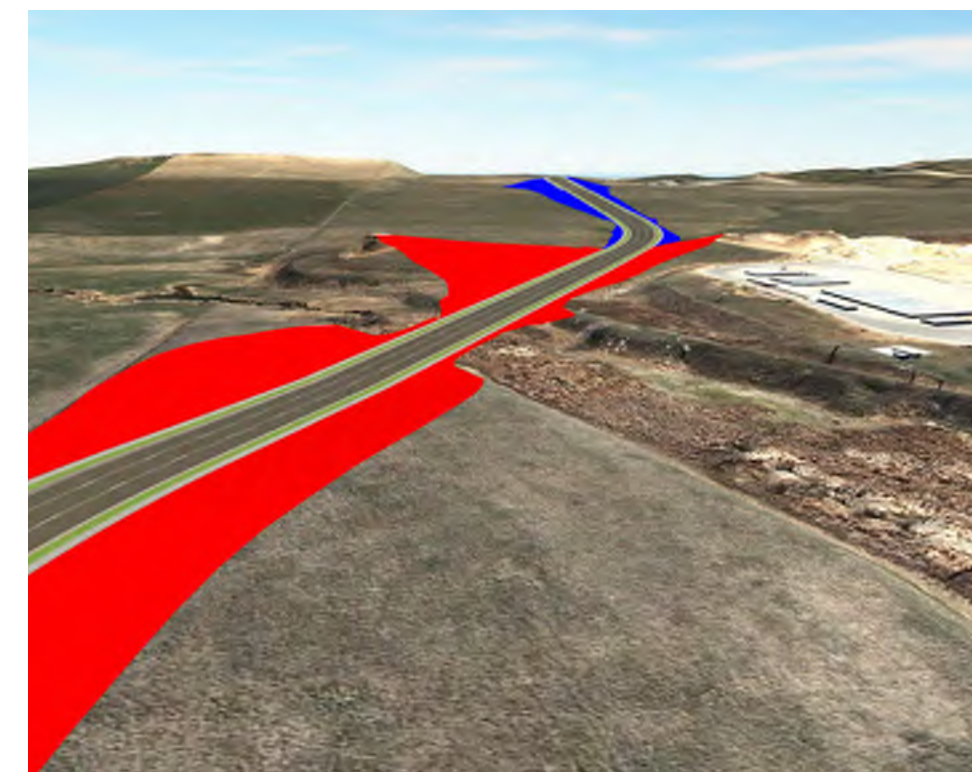
Earthwork Fill (Blue): 355,327 CY

Segment Considerations:

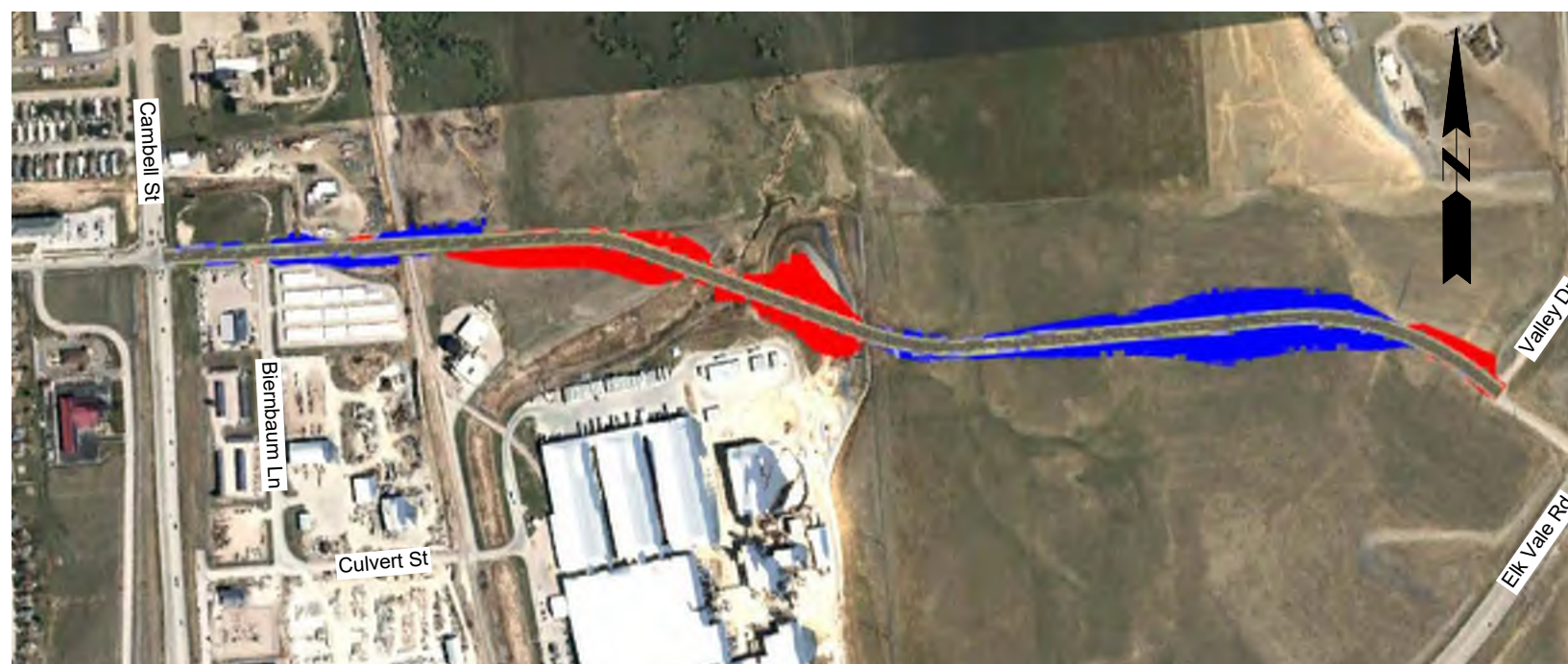
- Impacting the floodway and the 100-year floodplain.
- Single railroad track crossing.
- At grade and grade separated crossing were considered.
- K value for grade separated crossing does not meet minor arterial requirement.
- Design speed – 45 MPH.



Isometric looking east at station 0+00



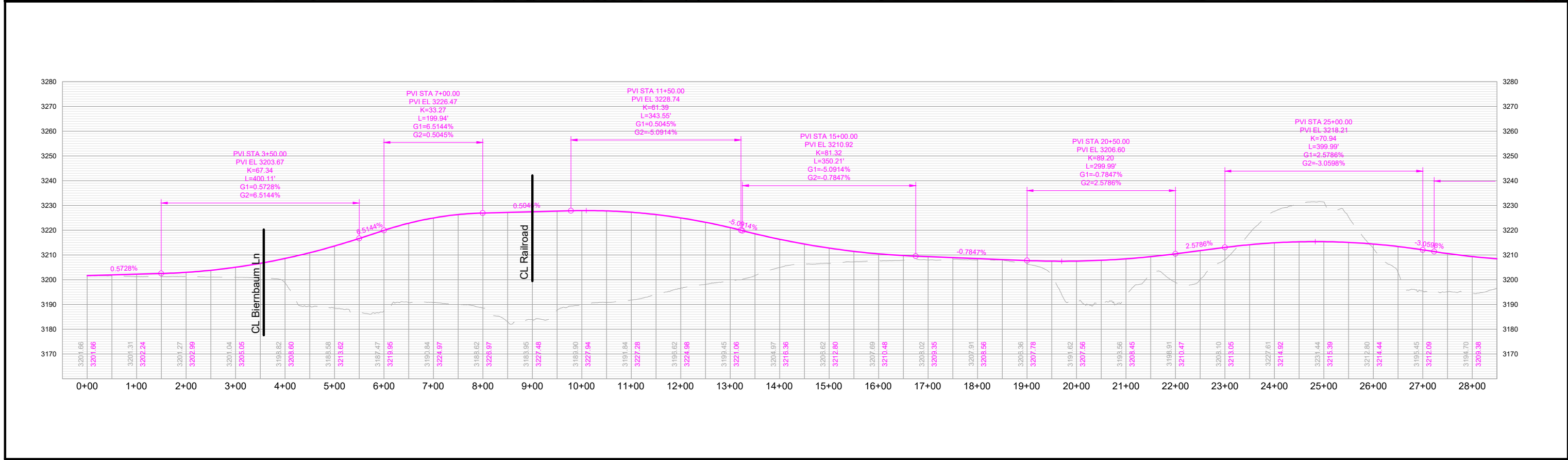
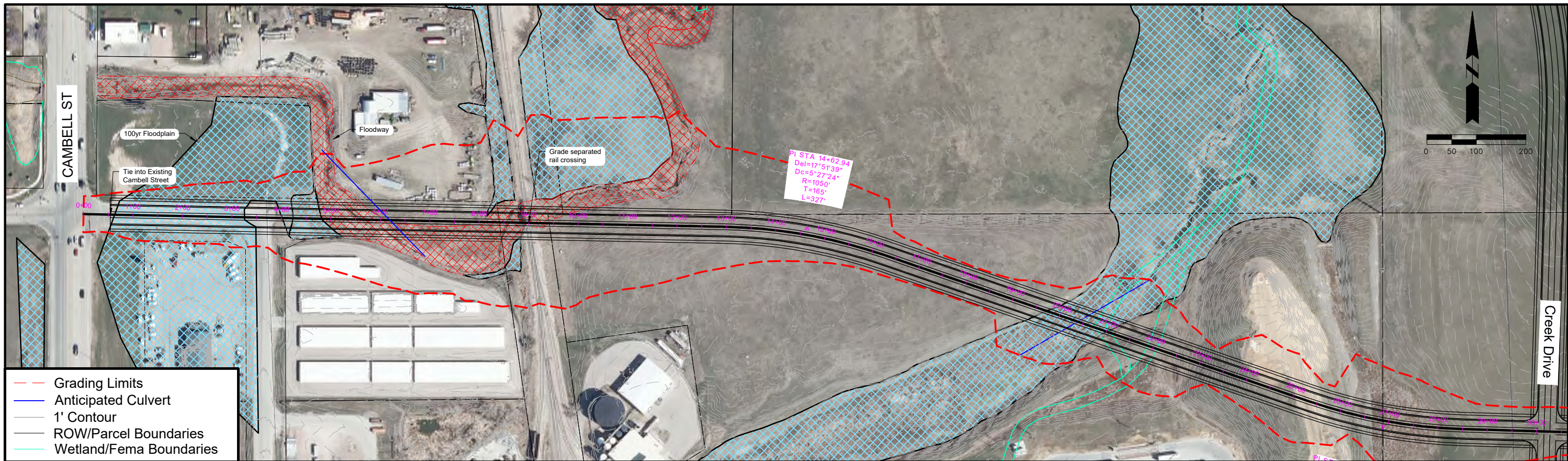
Isometric looking east at station 18+00

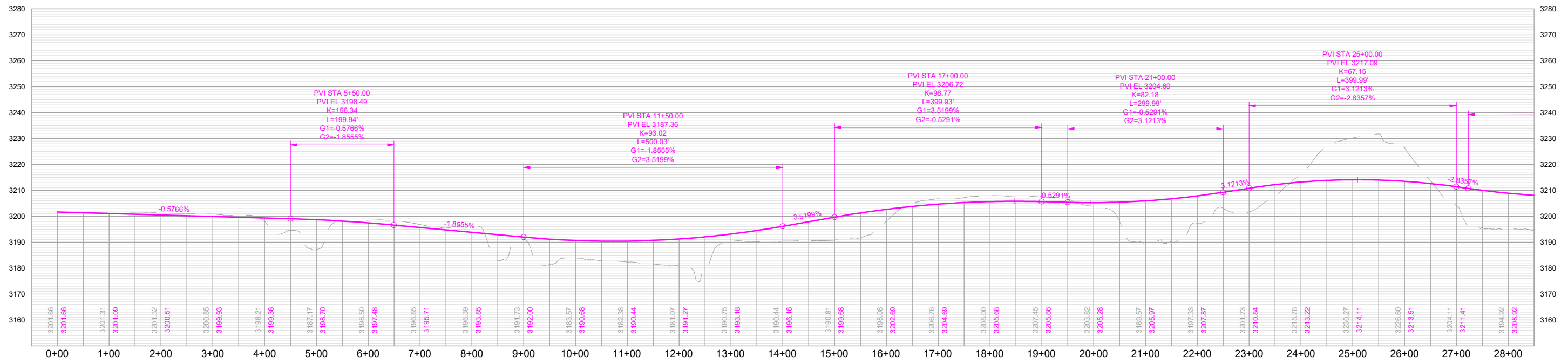
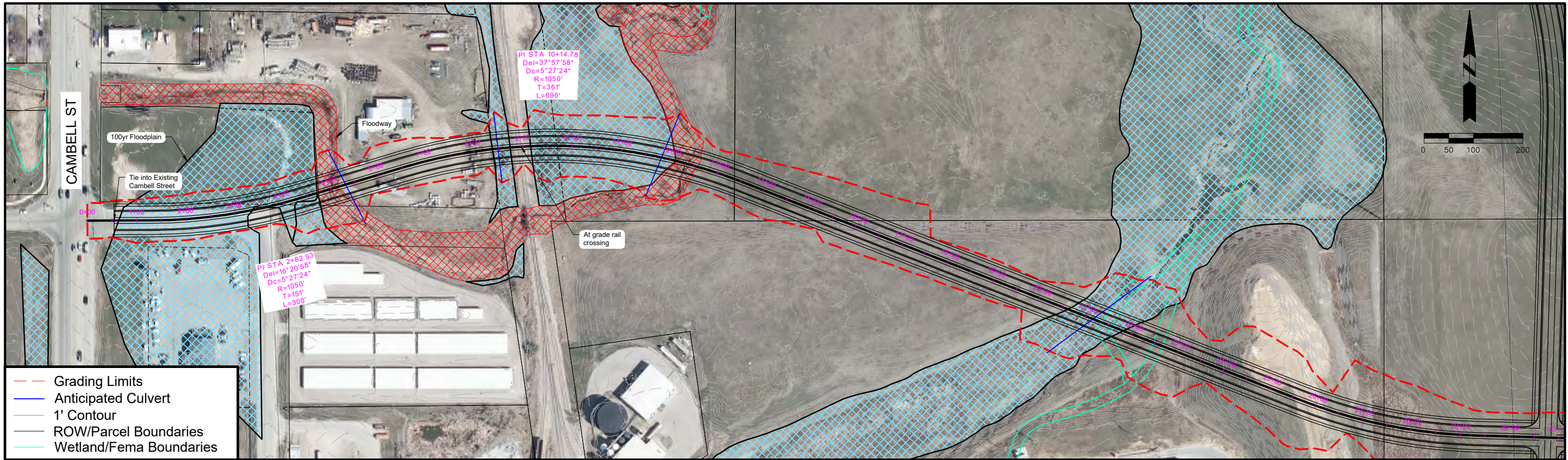


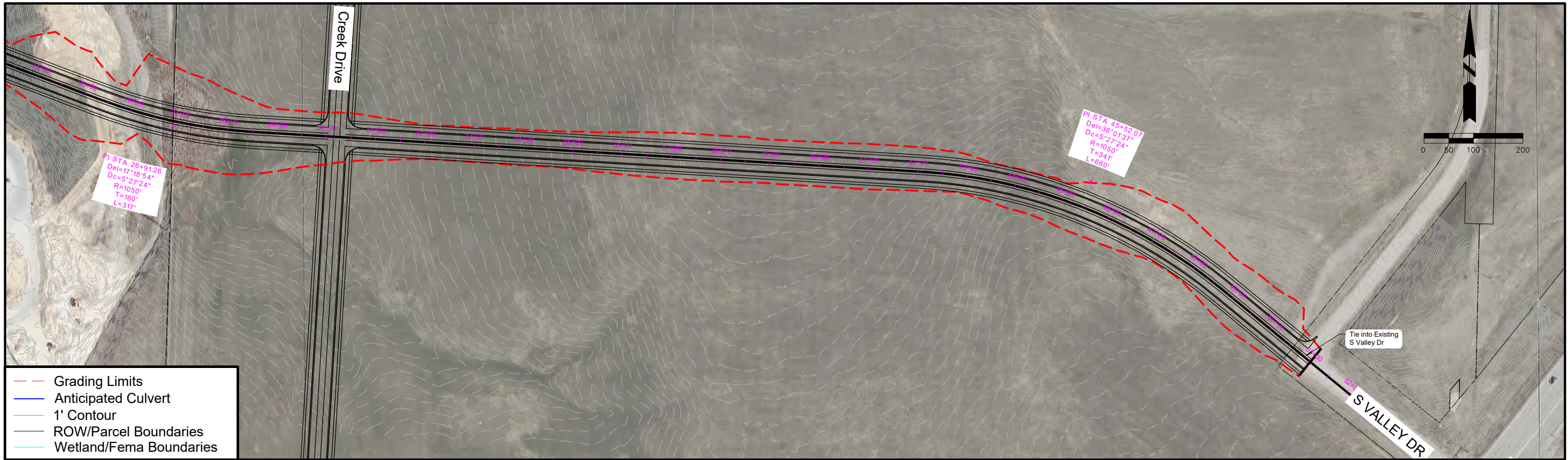
Segment Overview

Proposed Typical Section 3 Lane Minor Arterial

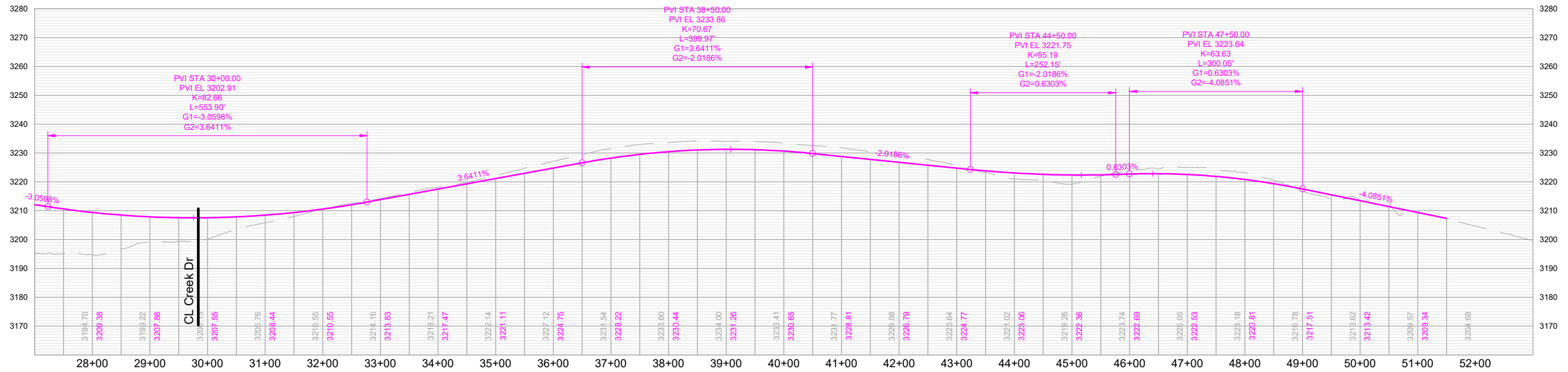


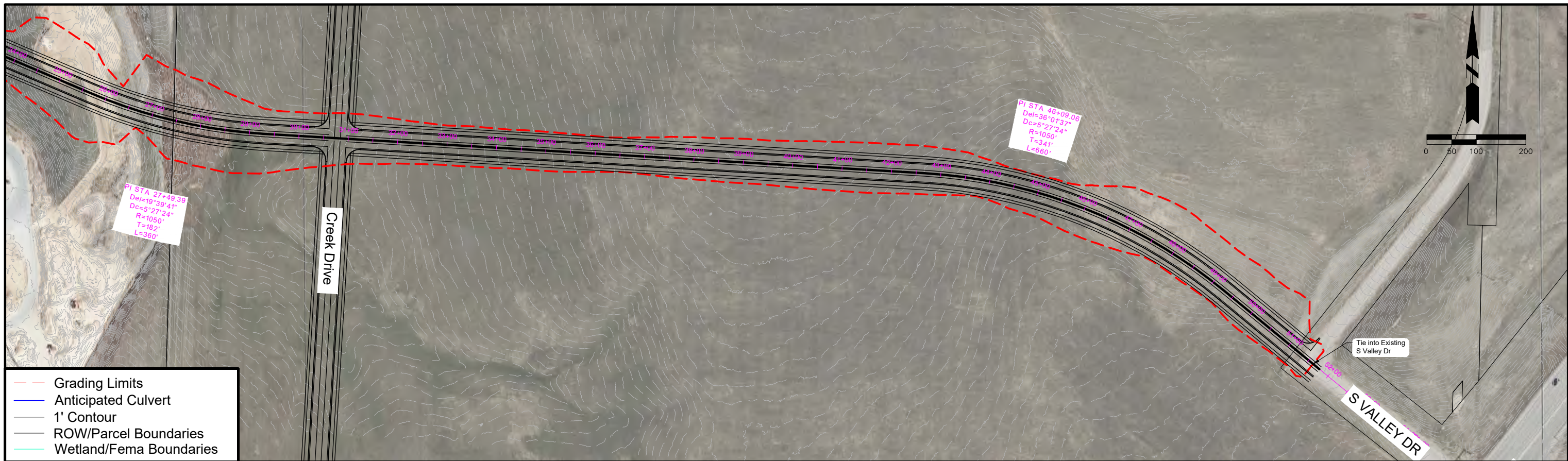




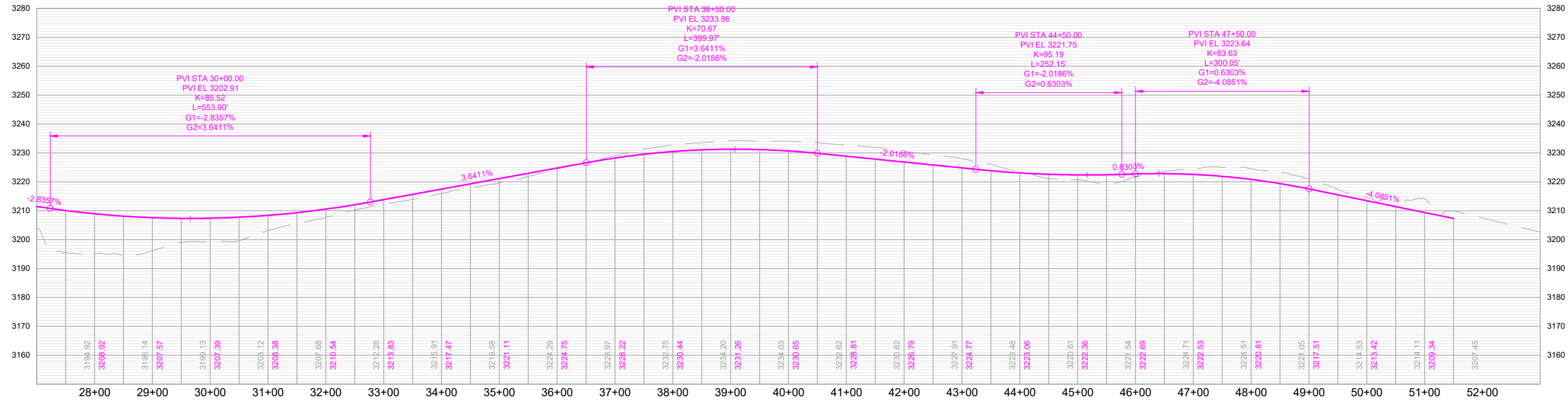


- Grading Limits
- Anticipated Culvert
- 1' Contour
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





- Grading Limits
- Anticipated Culvert
- 1' Contour
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



North-South Collector East of Tartan Court

Classification: Collector

Corridor Length: 9,100 FT

Estimated Quantities

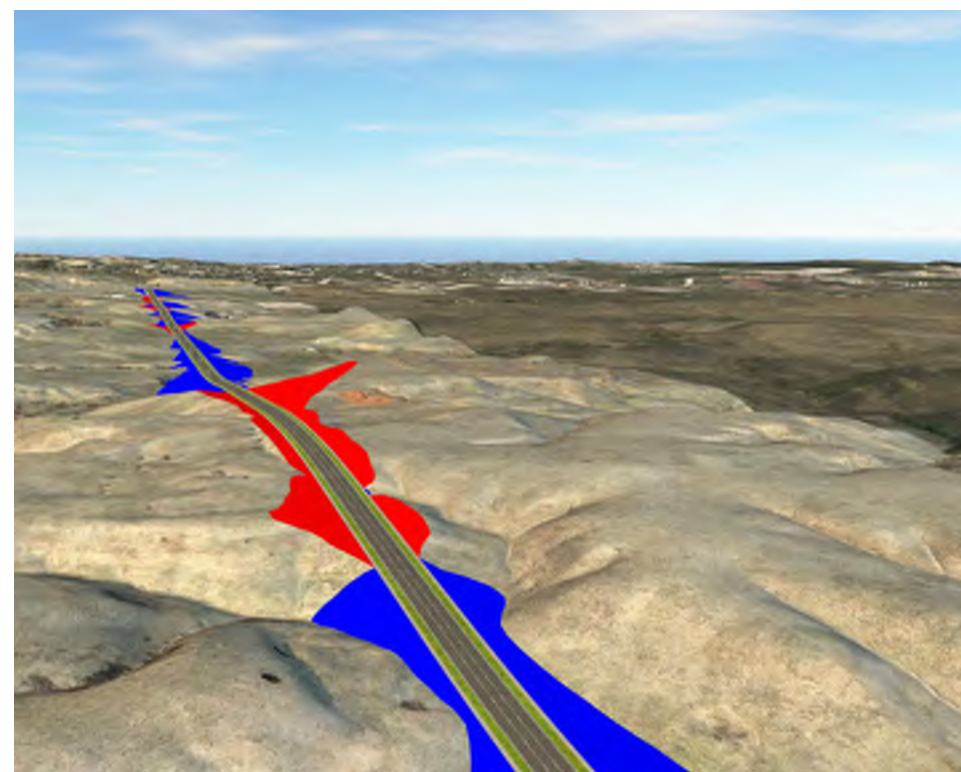
Road Surface: 32,356 SY

Earthwork Cut (Red): 298,935 CY

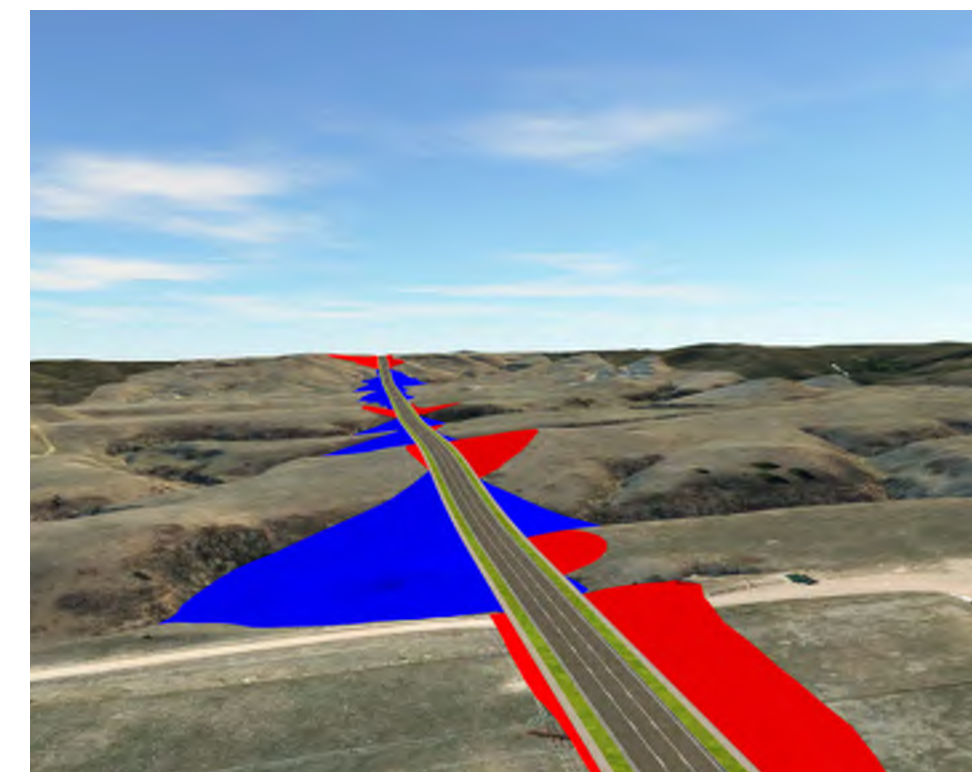
Earthwork Fill (Blue): 760,361 CY

Segment Considerations:

- Overhead utility line impacts likely.
- Design speed – 35 MPH.



Isometric looking north at station 14+00

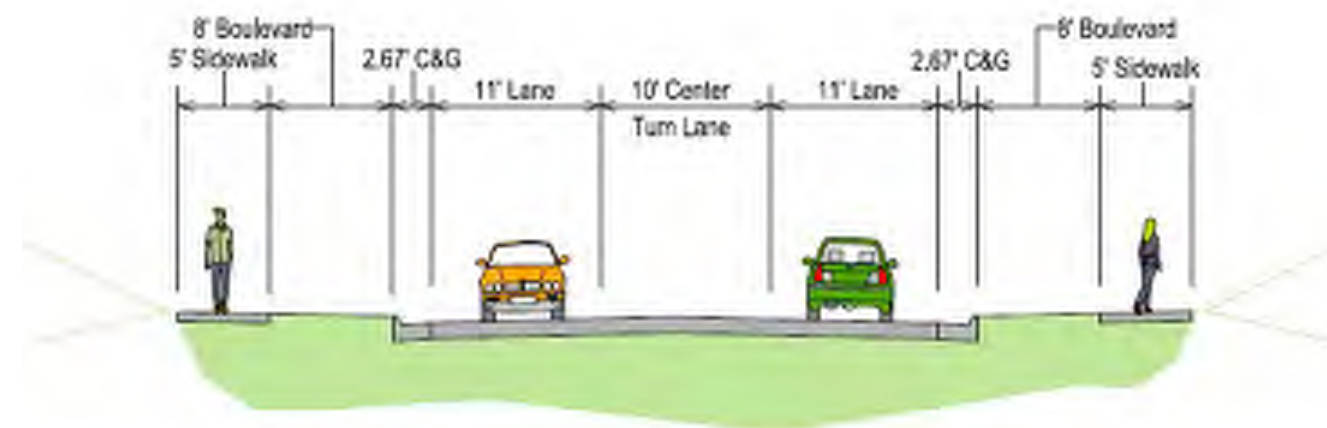


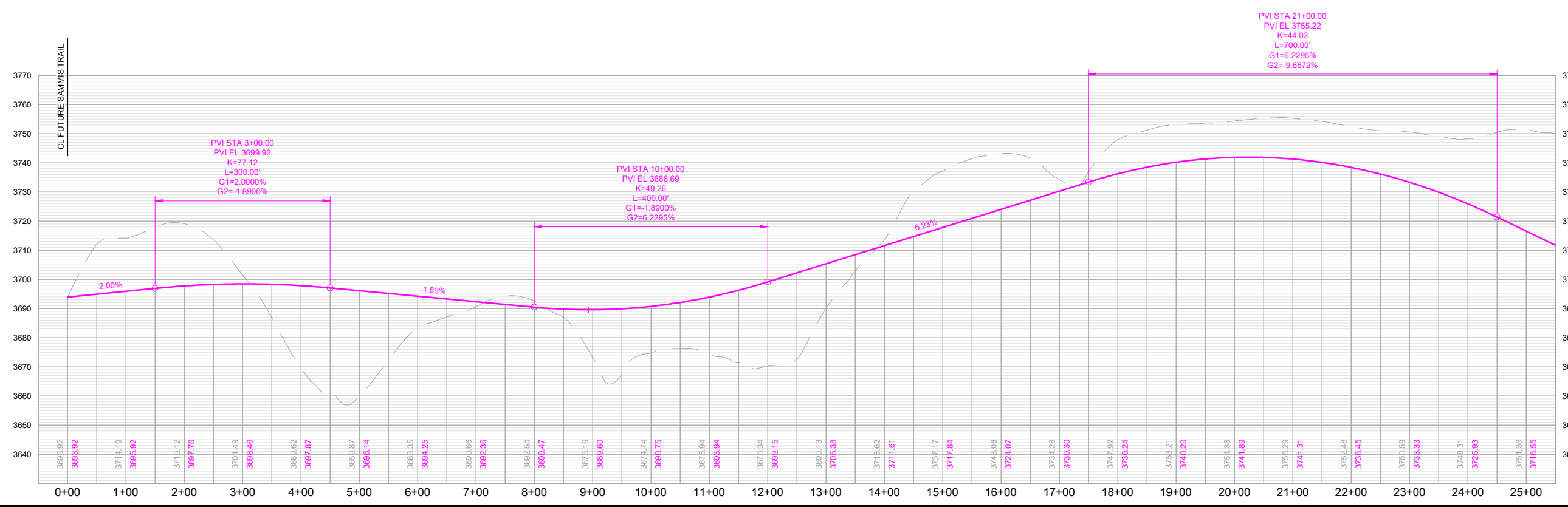
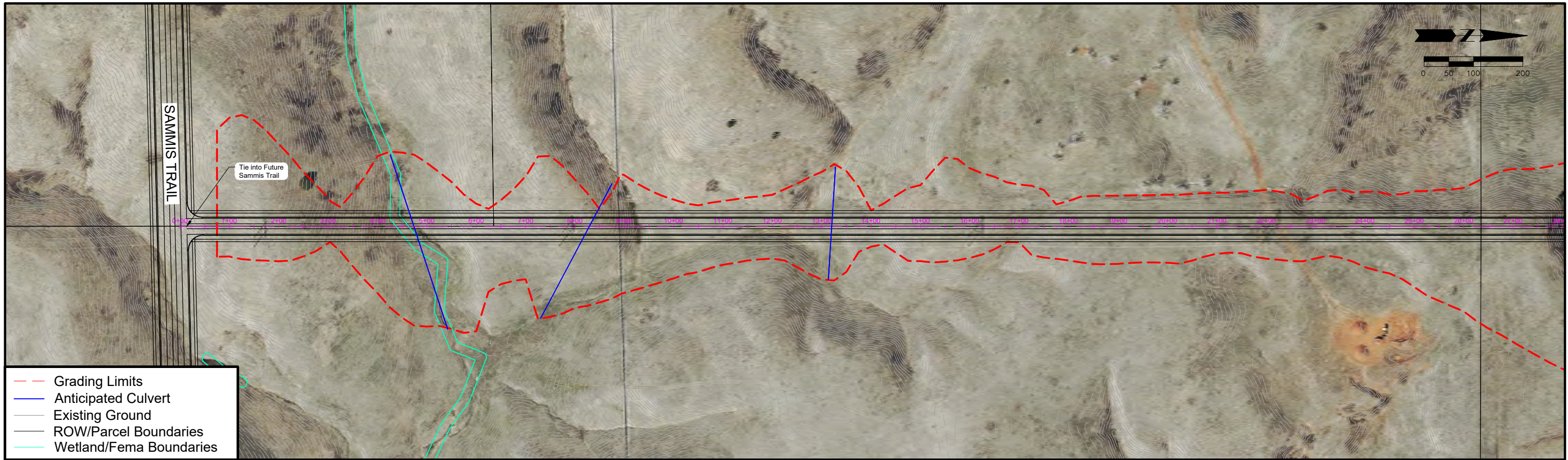
Isometric looking south at station 85+00

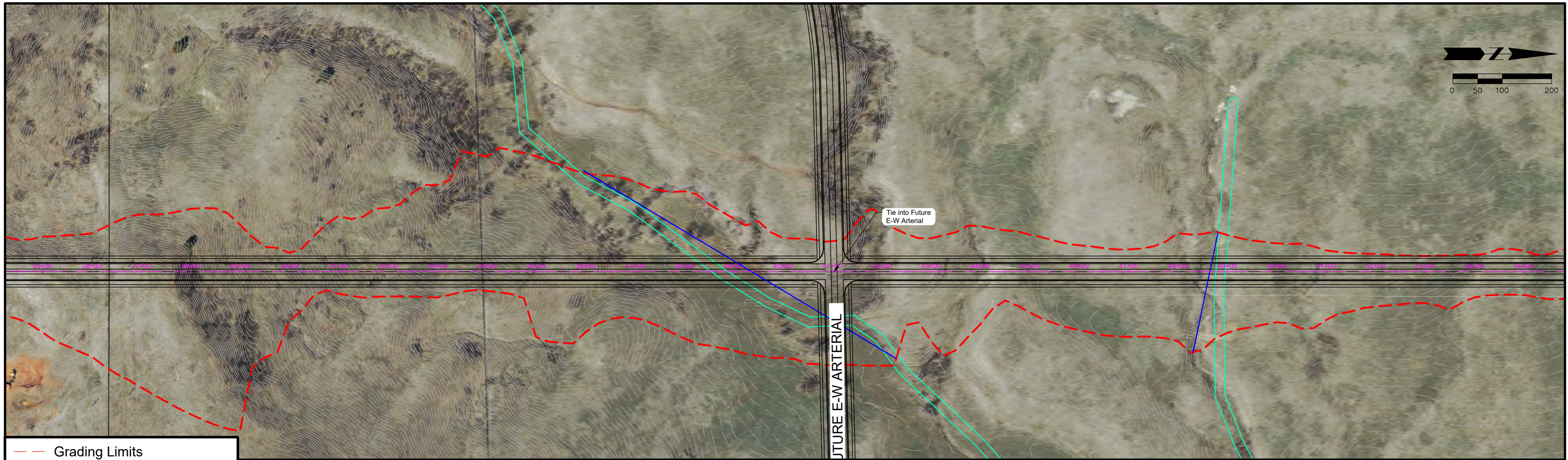


Segment Overview

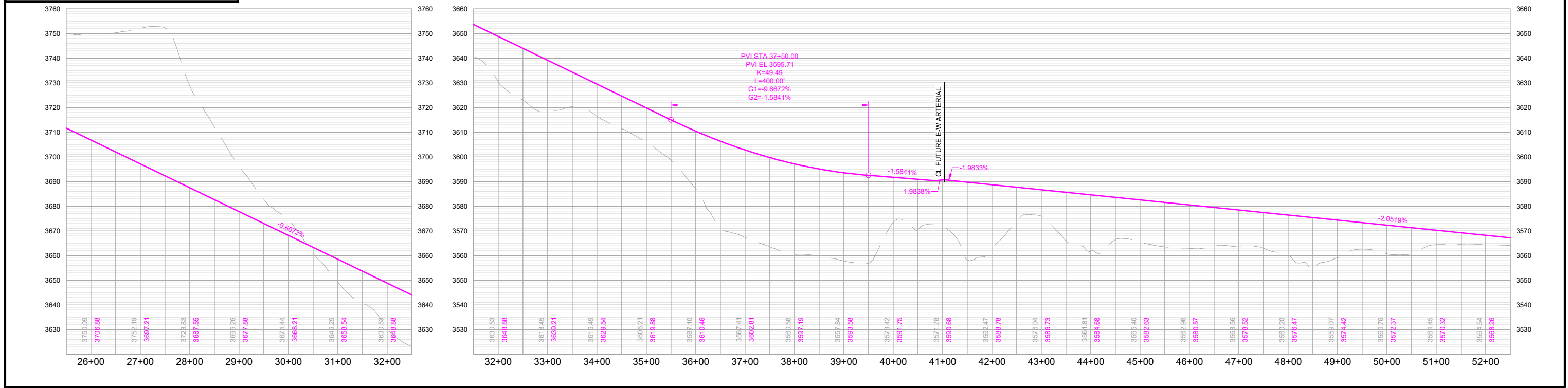
Proposed Typical Section 3 Lane Collector

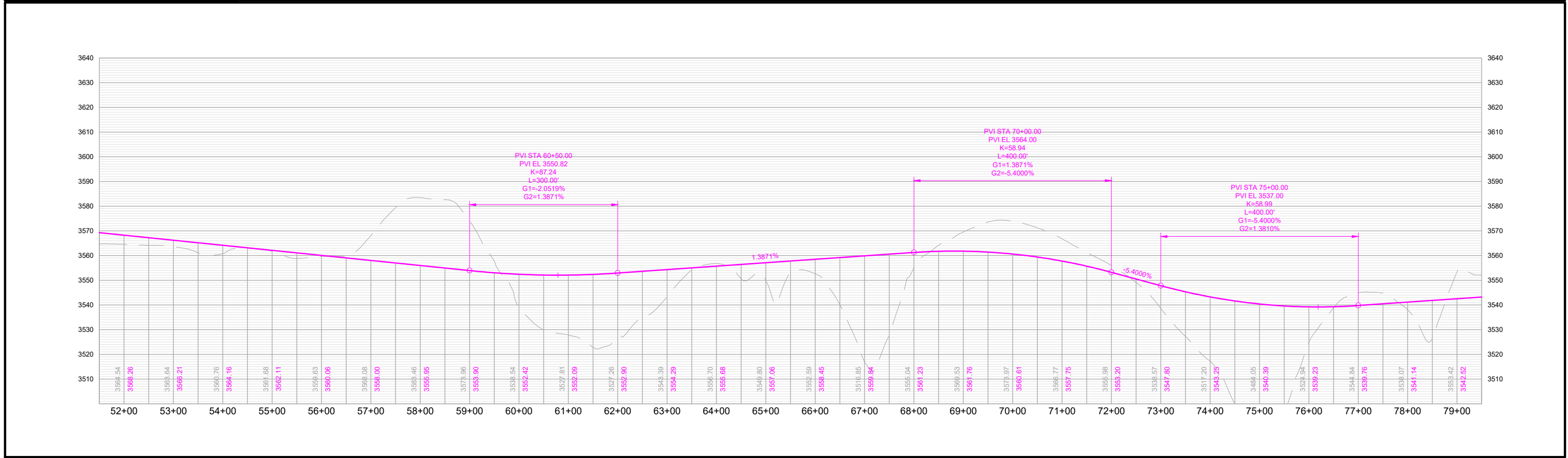
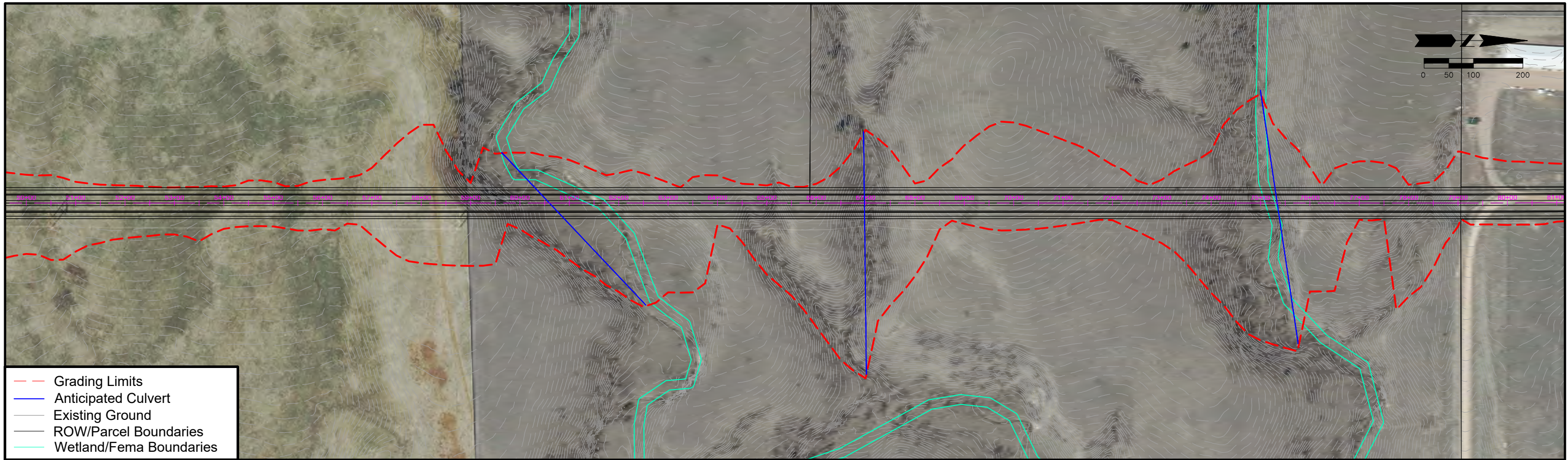






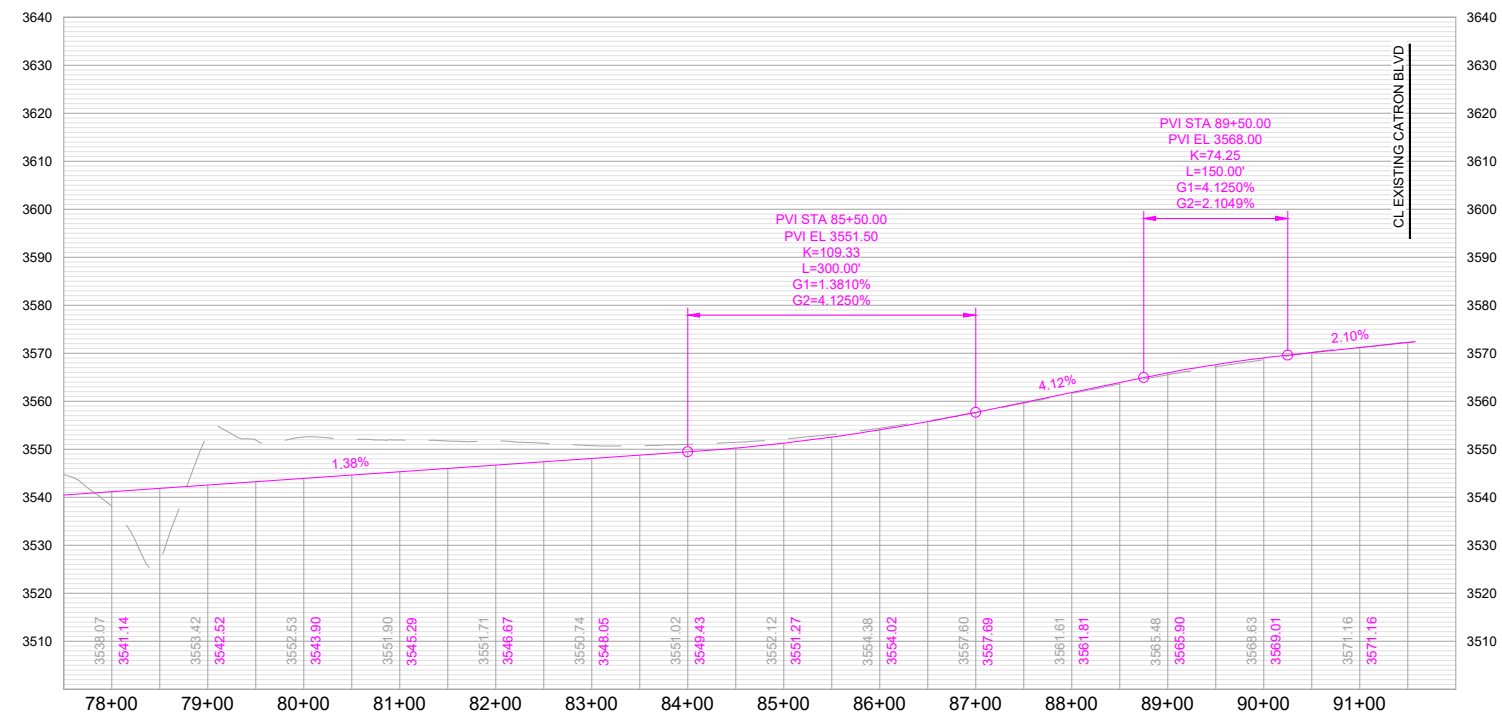
- Grading Limits
- Anticipated Culvert
- Existing Ground
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries







- Grading Limits
- Anticipated Culvert
- Existing Ground
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



Nugget Gulch Road

Moon Meadows Drive to
Motherlode Drive

Classification: Collector

Corridor Length: 6,100 FT

Estimated Quantities

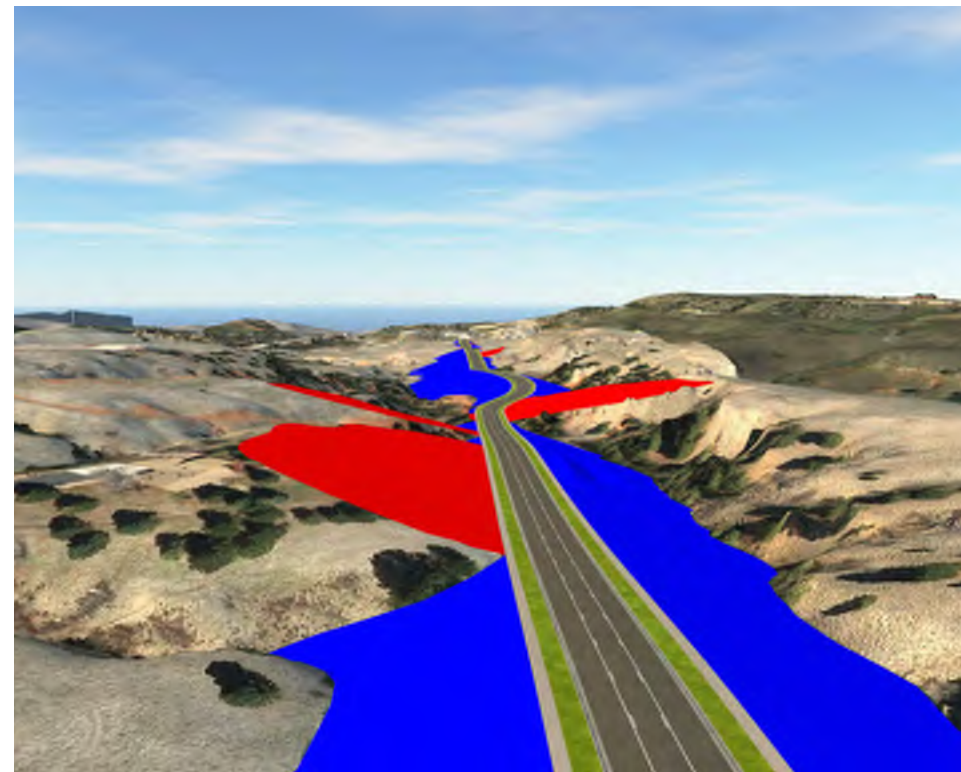
Road Surface: 21,689 SY

Earthwork Cut (Red): 190,657 CY

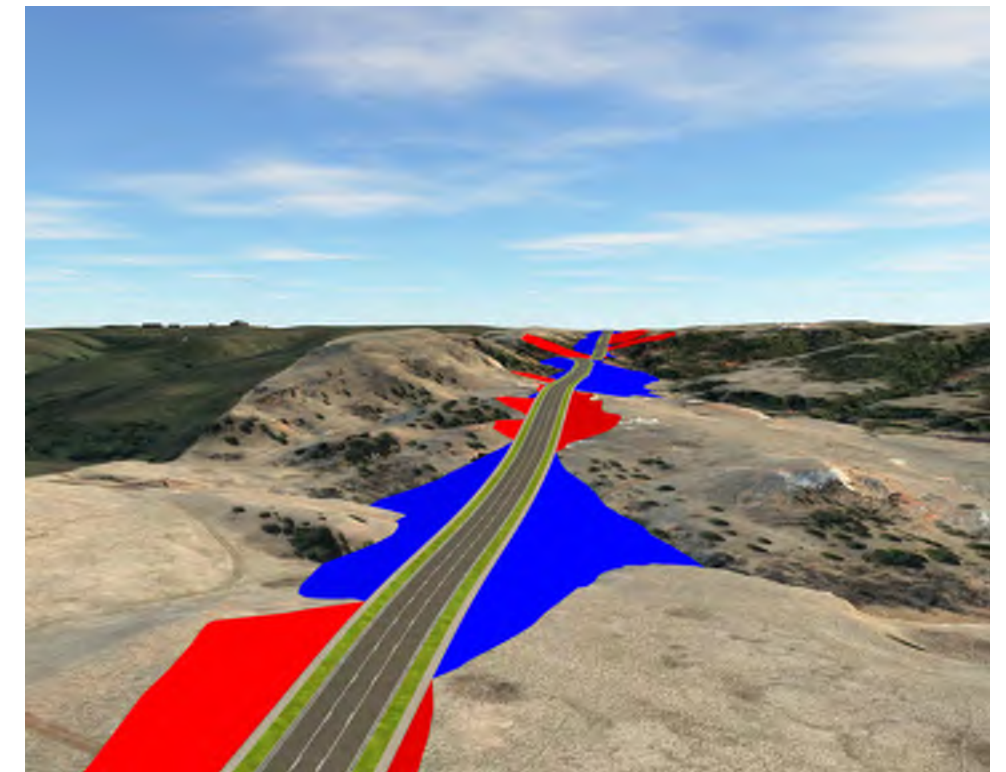
Earthwork Fill (Blue): 787,732 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking north at station 1+00

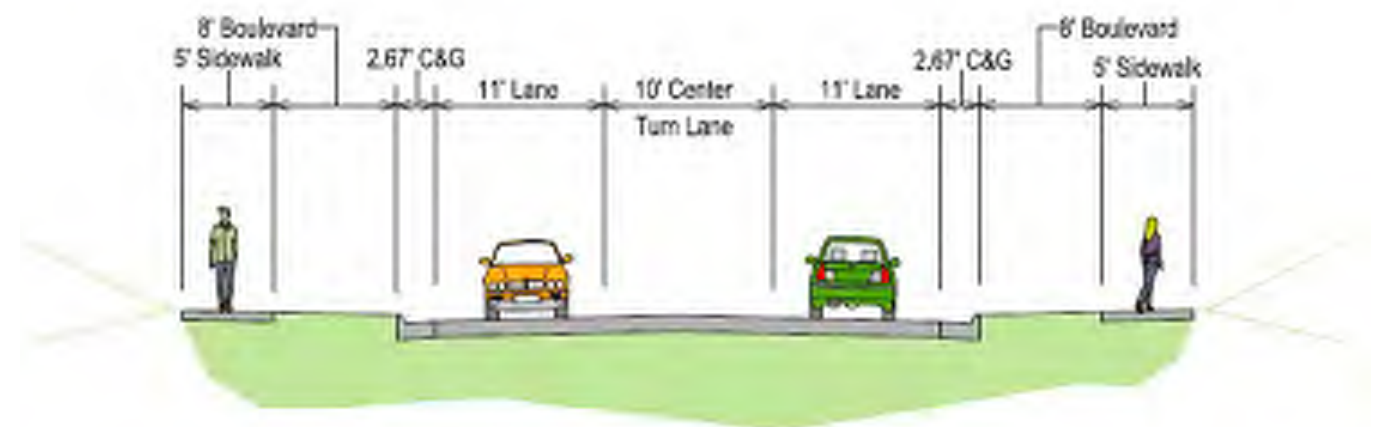


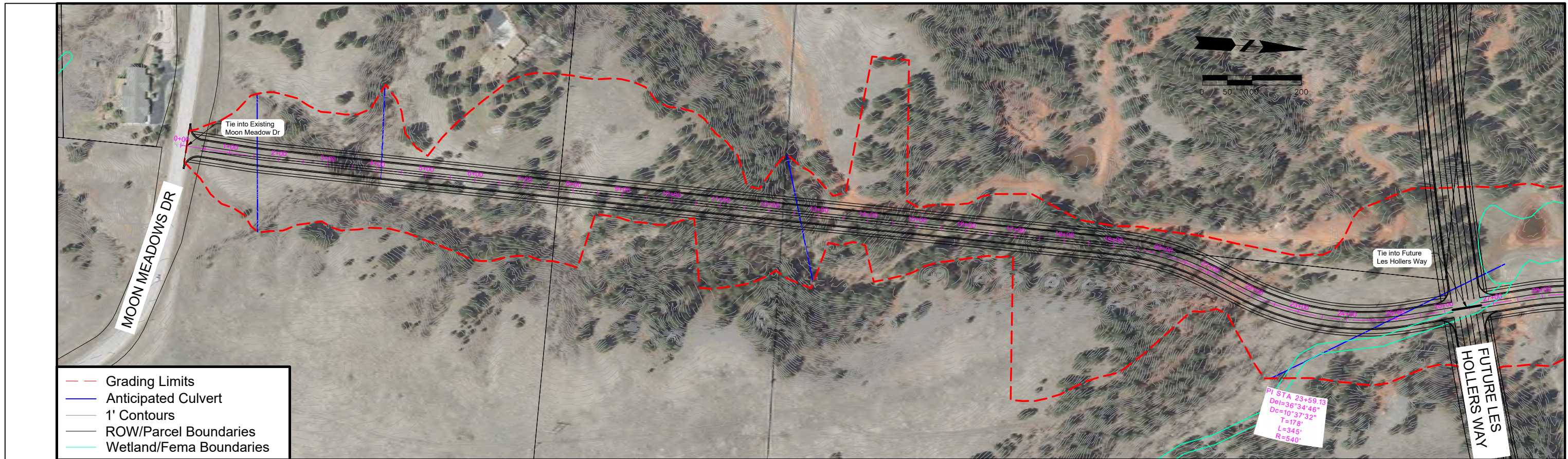
Isometric looking south at station 59+00



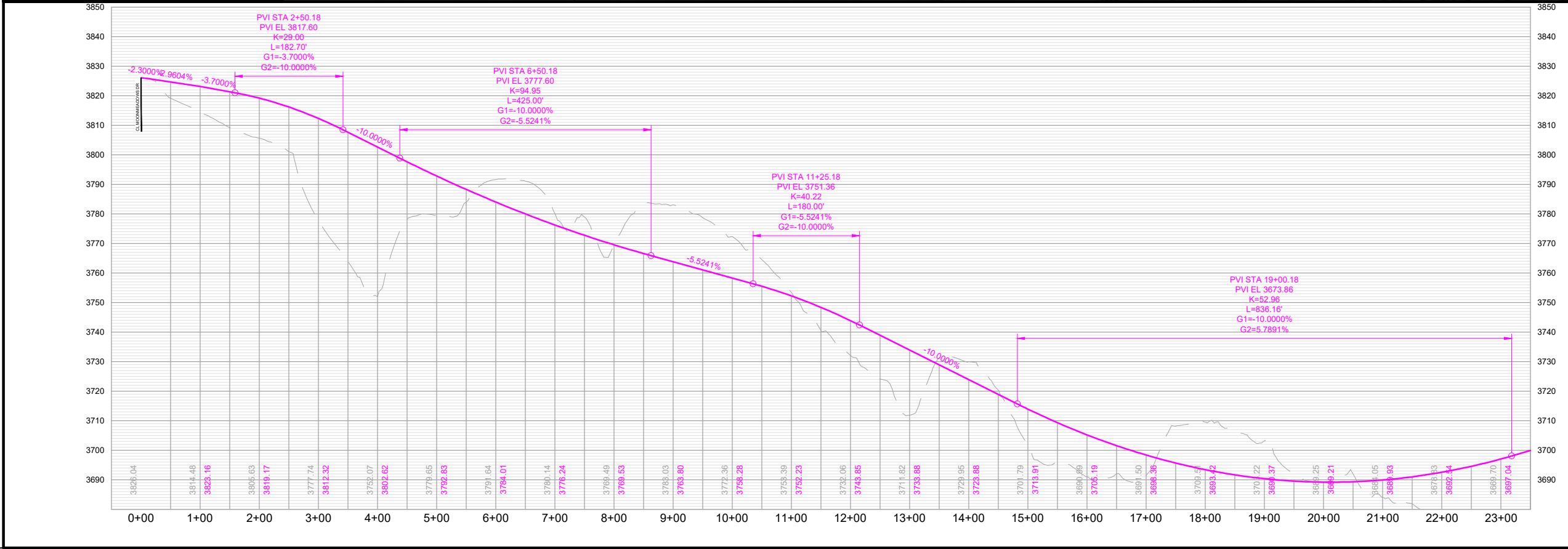
Segment Overview

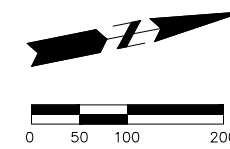
Proposed Typical Section 3 Lane Collector



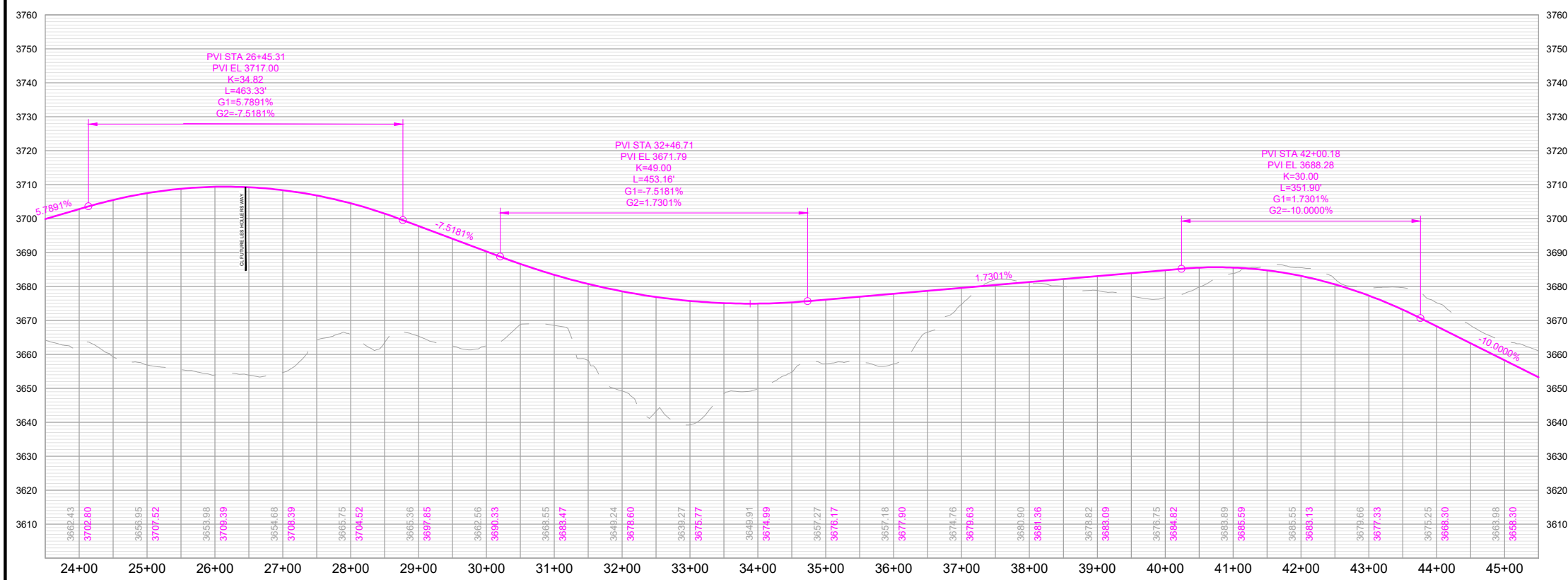


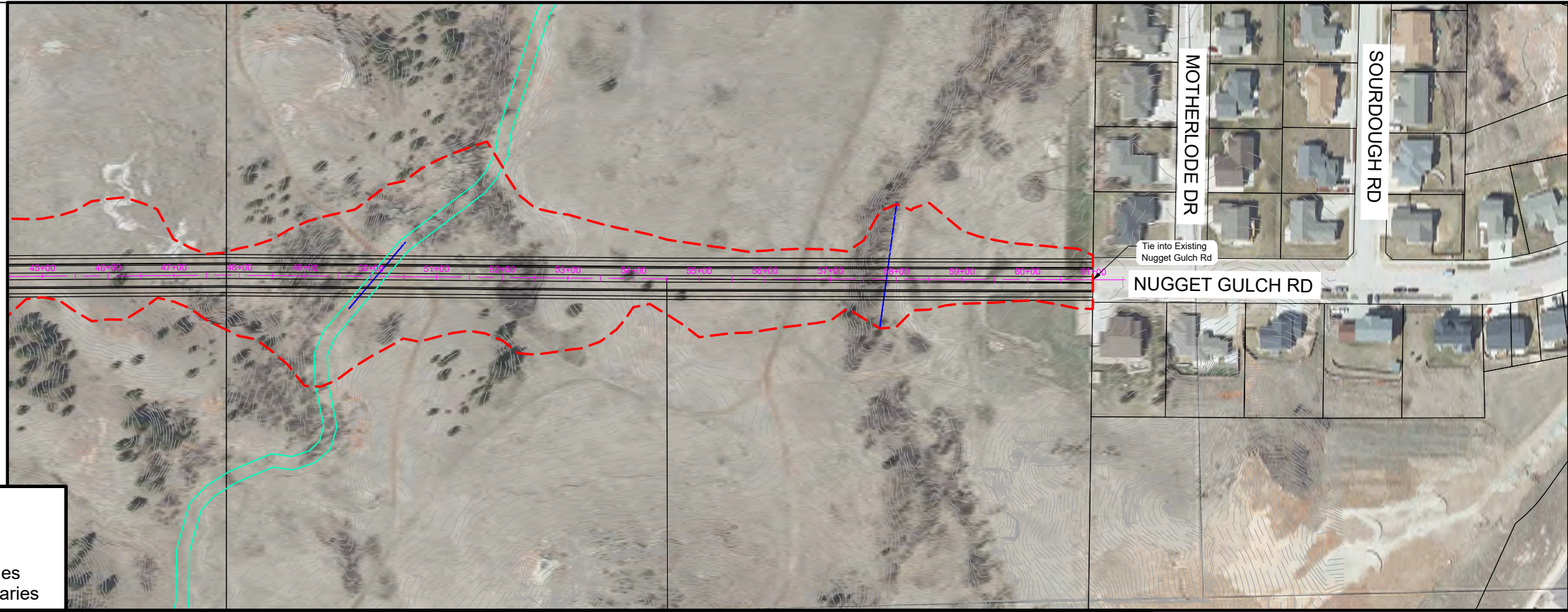
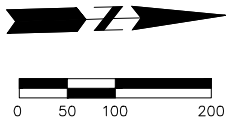
- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



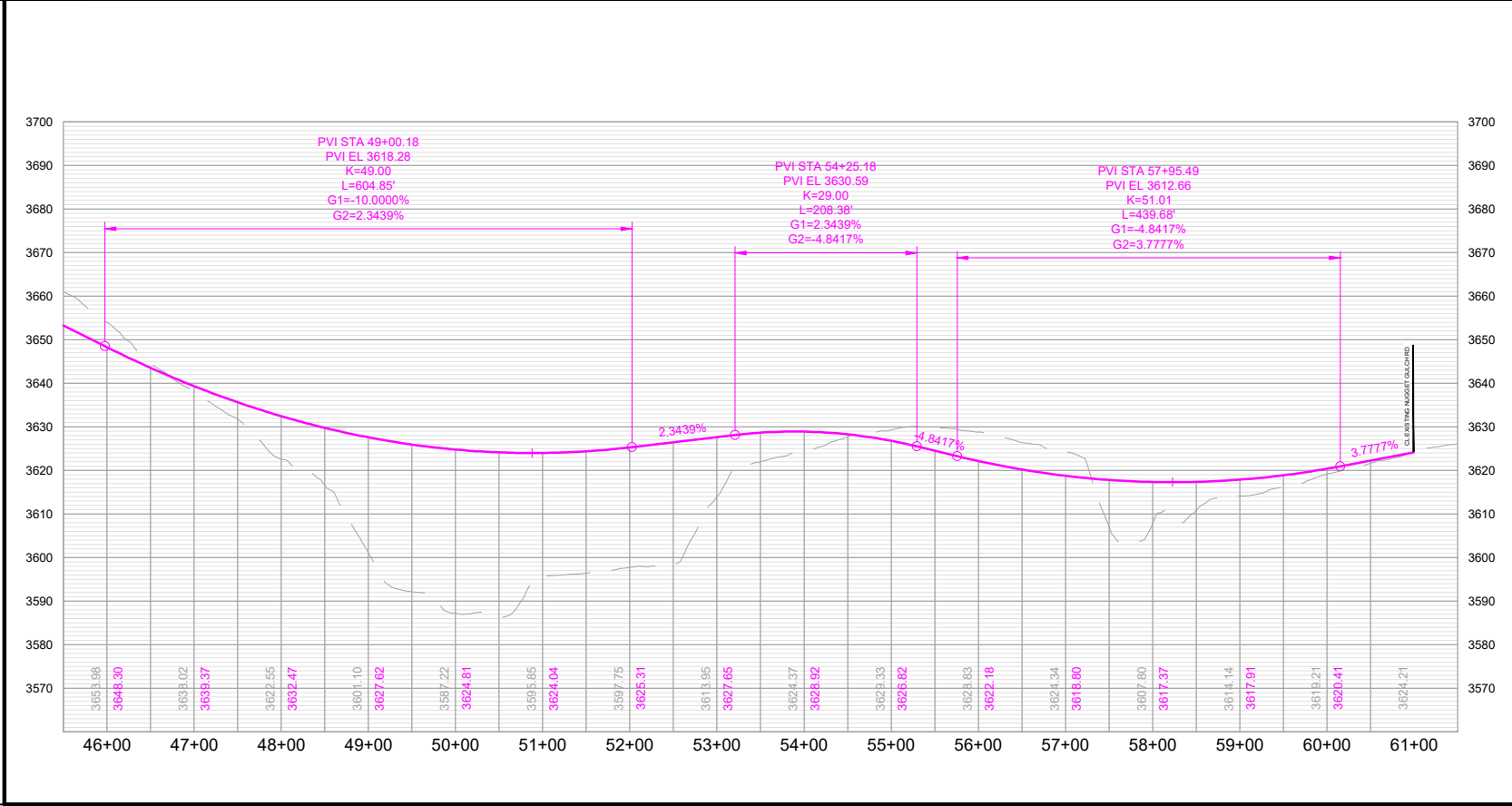


- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



Haugo Drive

Catron Boulevard to Moon Meadows Drive

Classification: Collector

Corridor Length: 7,200 FT

Estimated Quantities

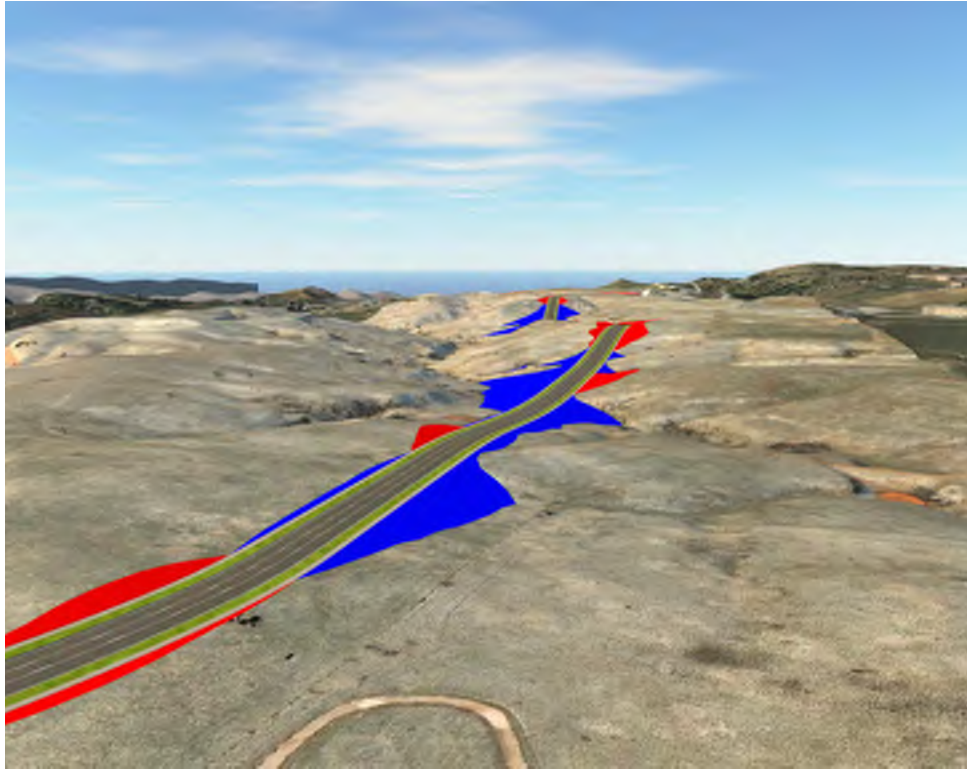
Road Surface: 25,600 SY

Earthwork Cut (Red): 538,560 CY

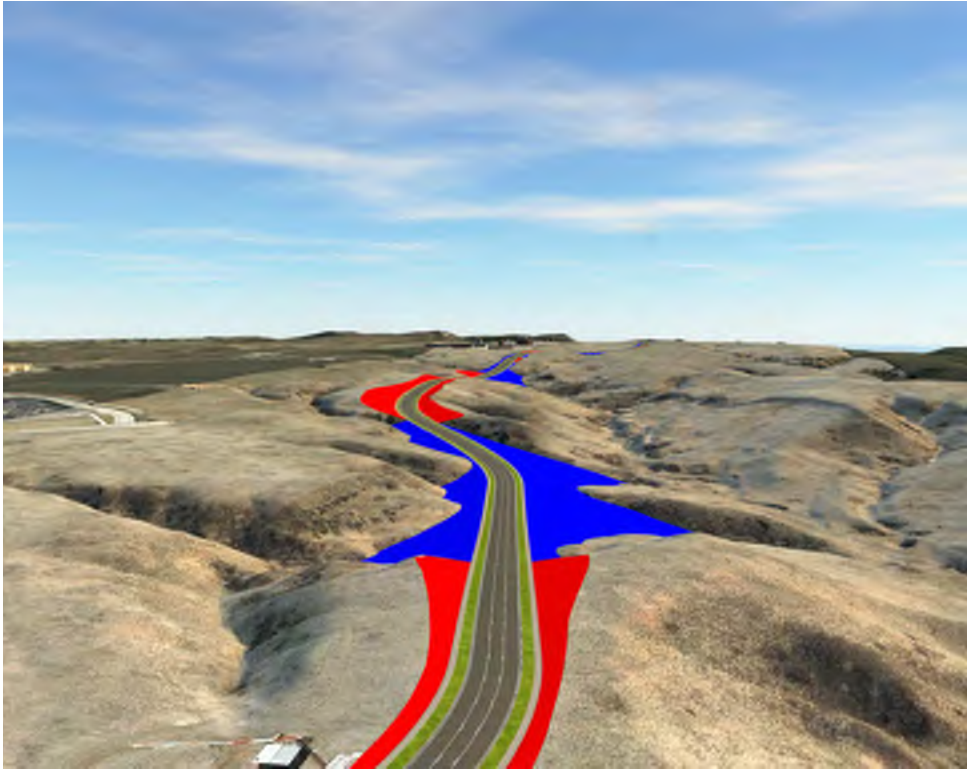
Earthwork Fill (Blue): 115,647 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking north at station 10+00

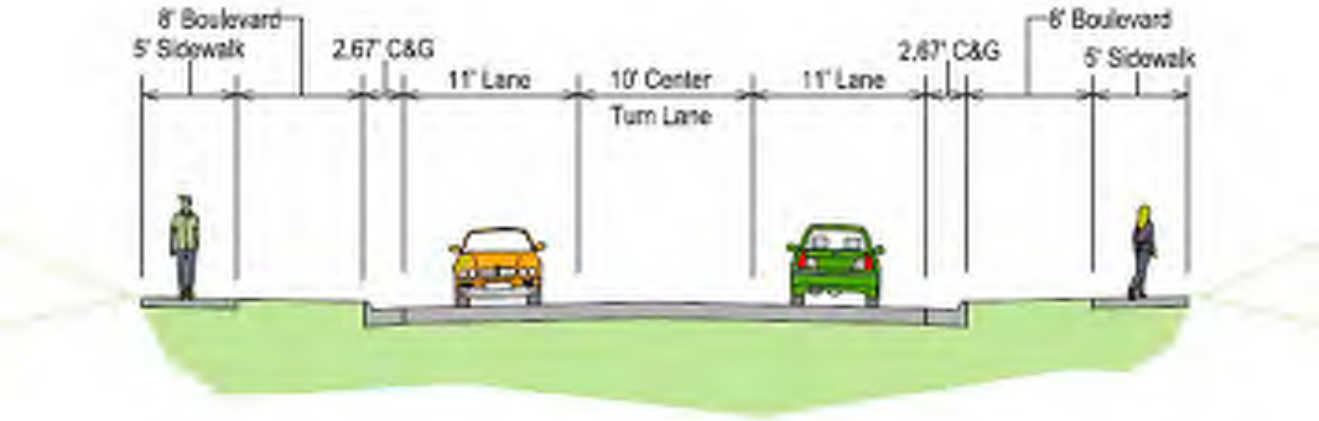


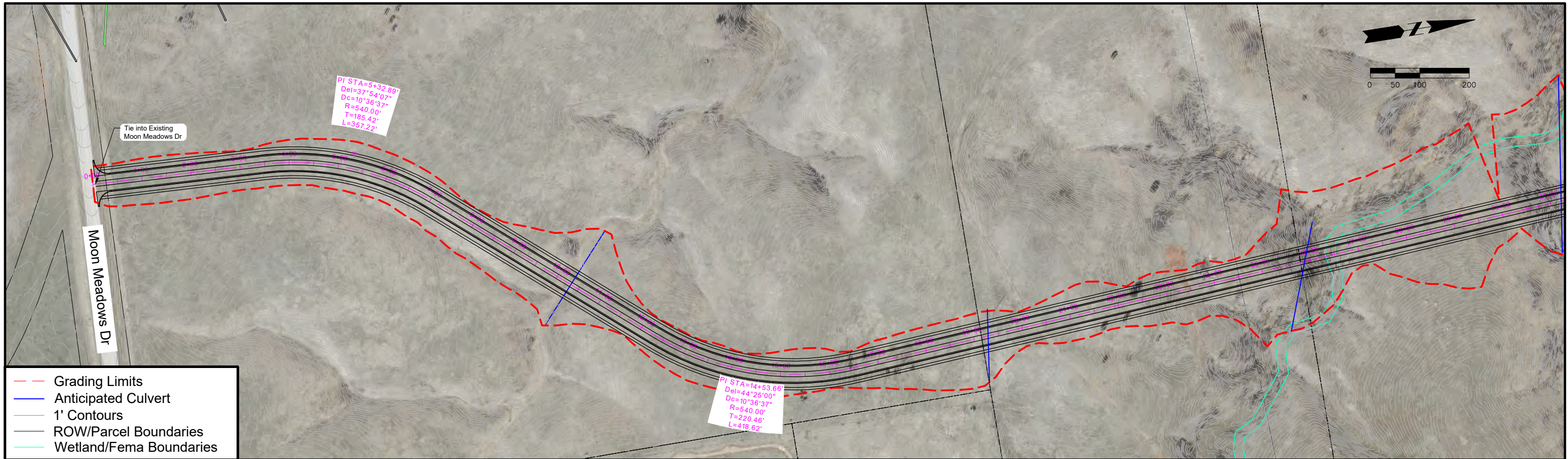
Isometric looking south at station 67+00



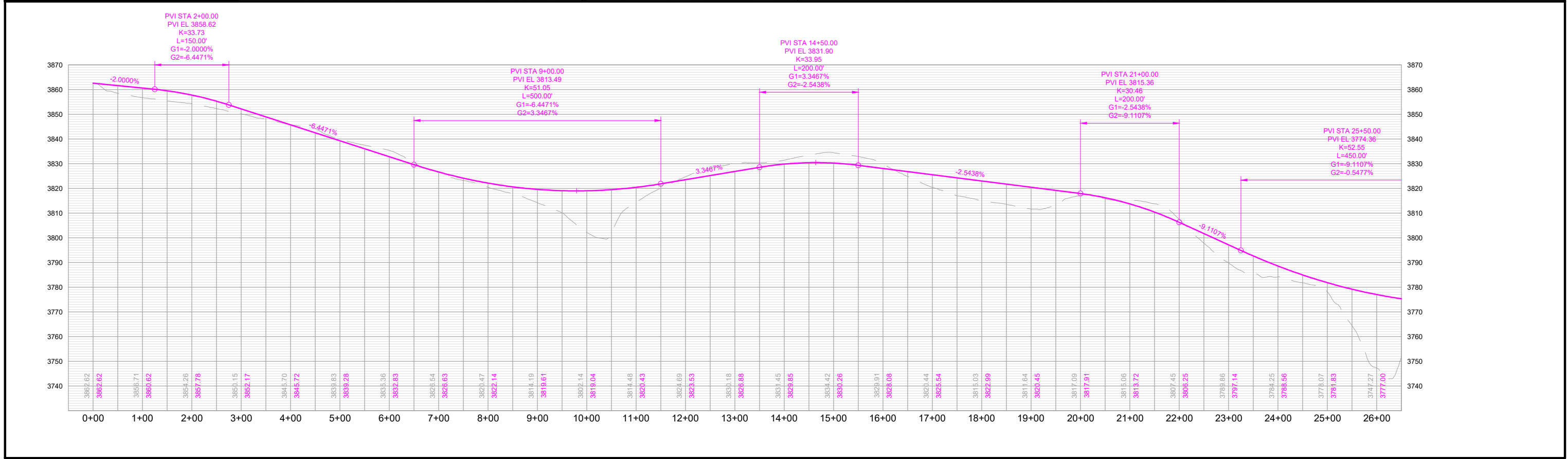
Segment Overview

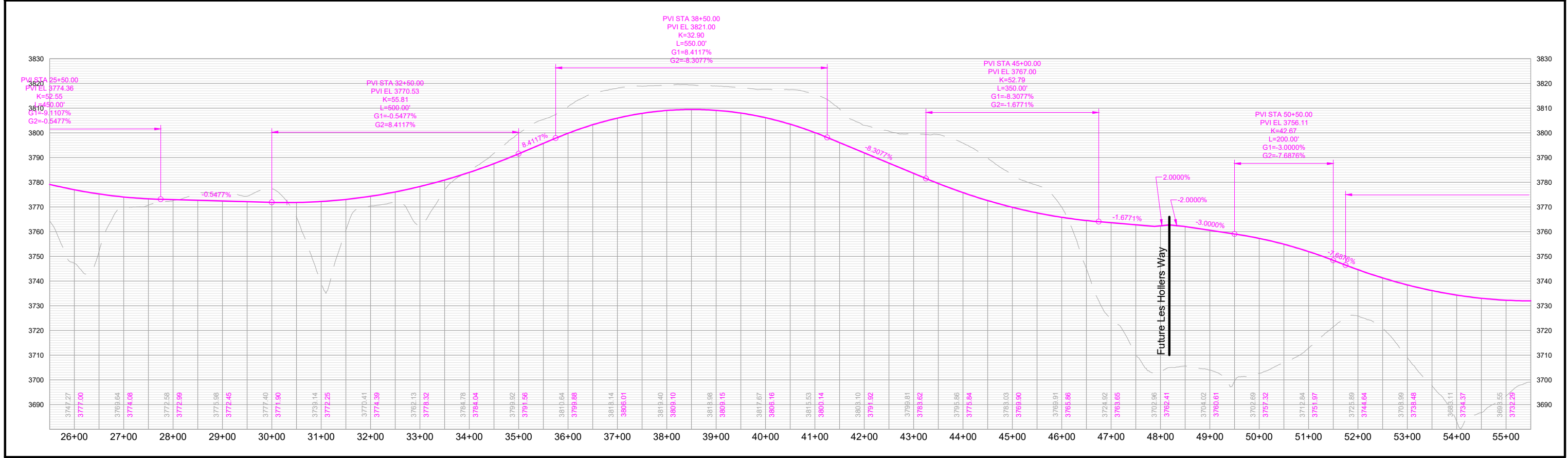
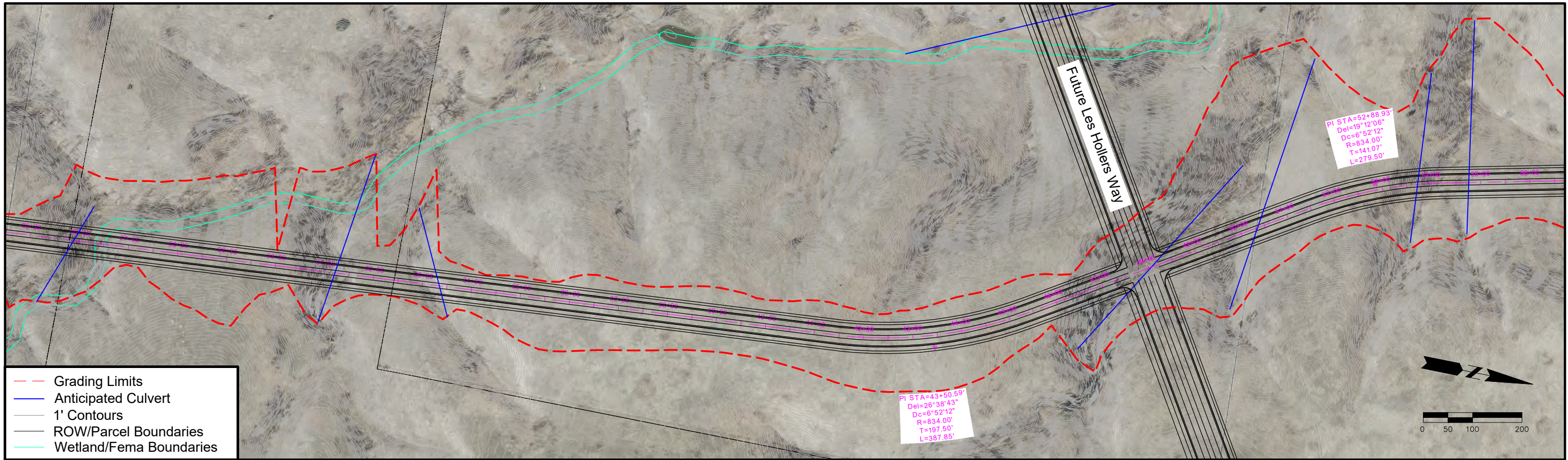
Proposed Typical Section 3 Lane Collector

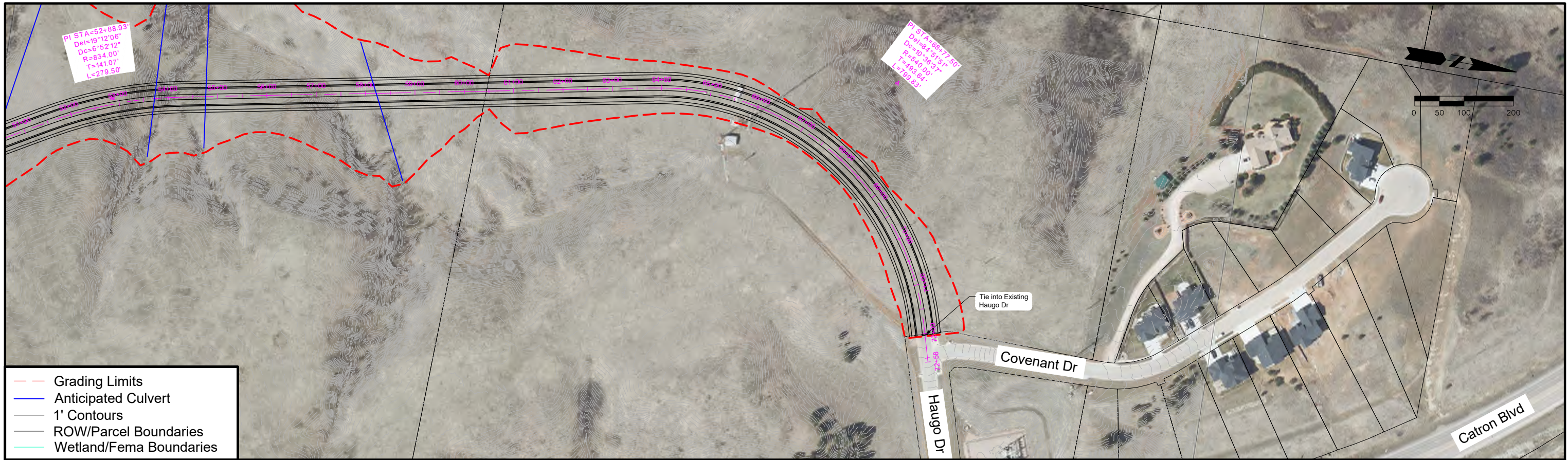




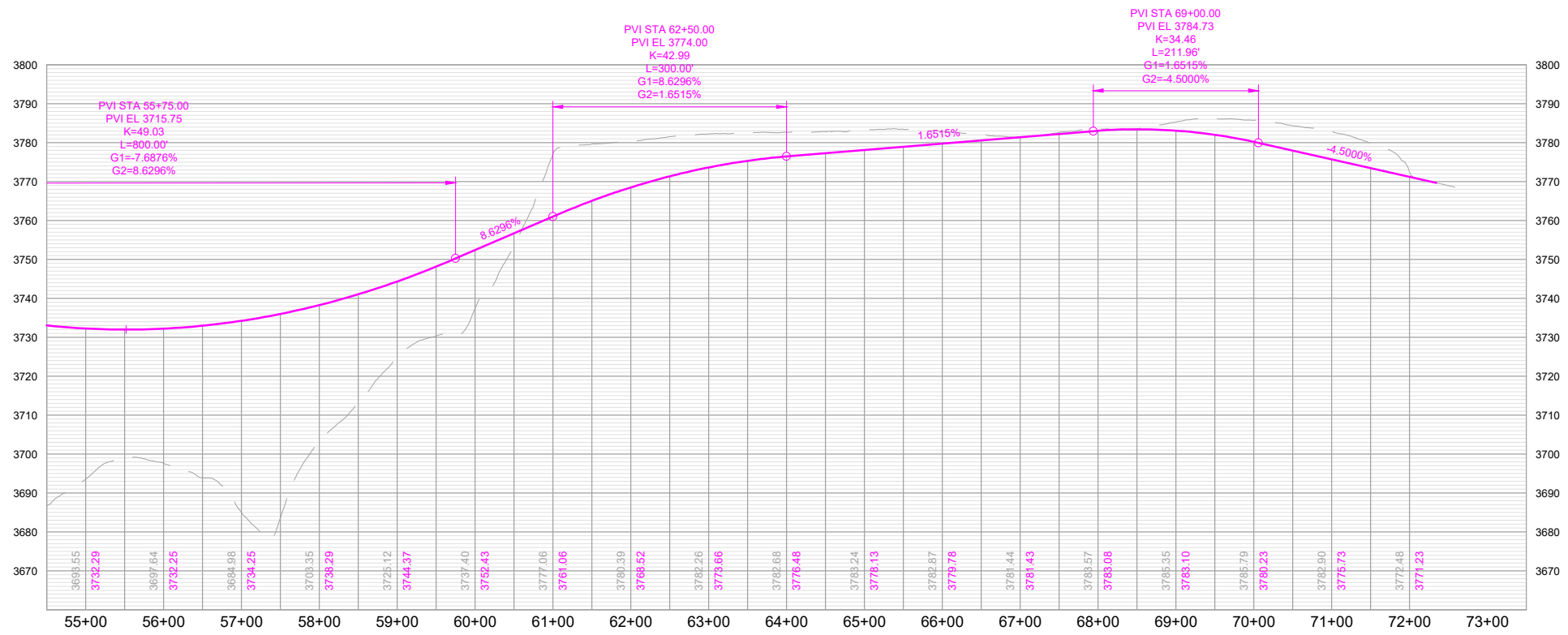
- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries







- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



Villagio Lane

Southern Terminus to Horsecreek Road

Classification: Collector

Corridor Length: 2,450 FT

Estimated Quantities

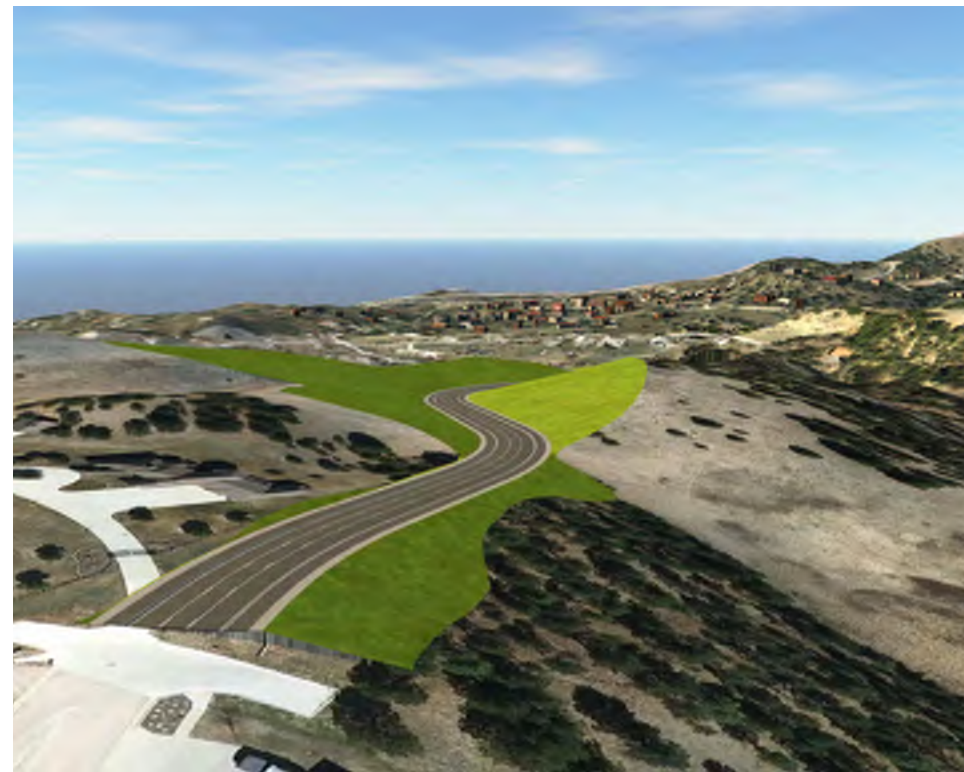
Road Surface: 8,712 SY

Earthwork Cut: 671,835 CY

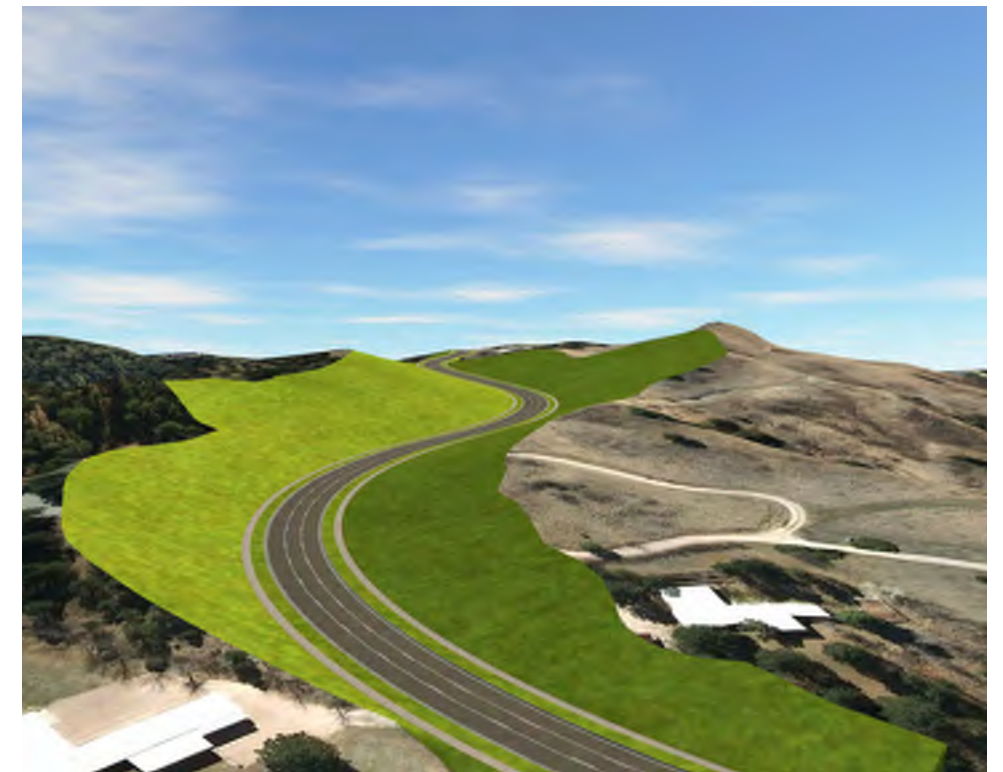
Earthwork Fill: 6,849 CY

Segment Considerations:

- Consideration for design exception for maximum grade on a collector street.
- Design speed – 35 MPH.



Isometric looking northwest at station 0+00



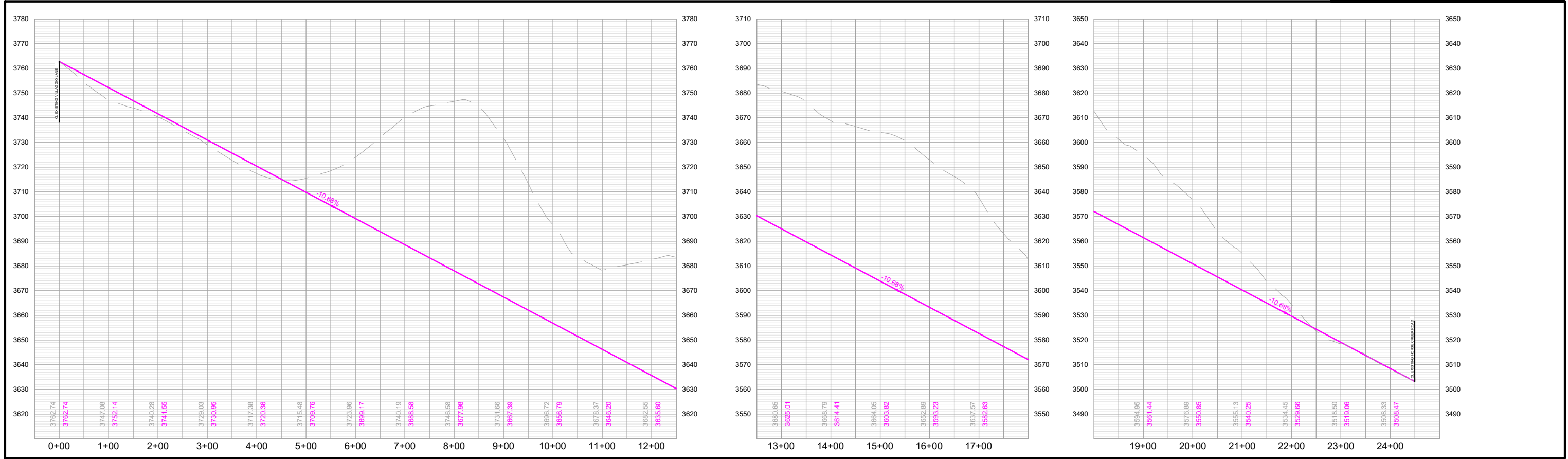
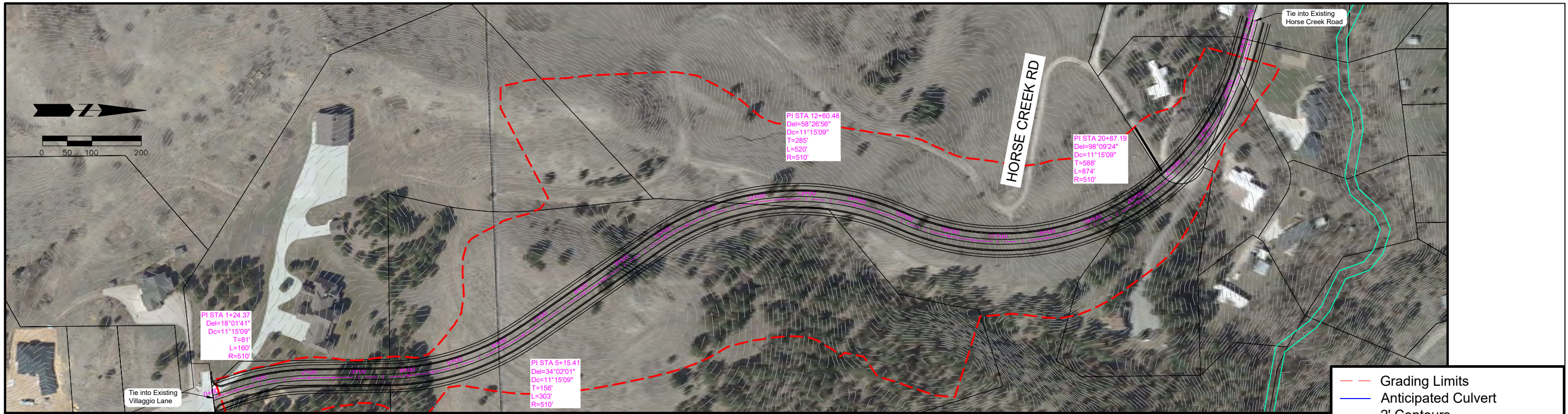
Isometric looking south at station 23+50



Segment Overview

Proposed Typical Section 3 Lane Collector





Healing Way Hwy 16 to Catron Boulevard

Classification: Collector

Corridor Length: 3,400 FT

Estimated Quantities

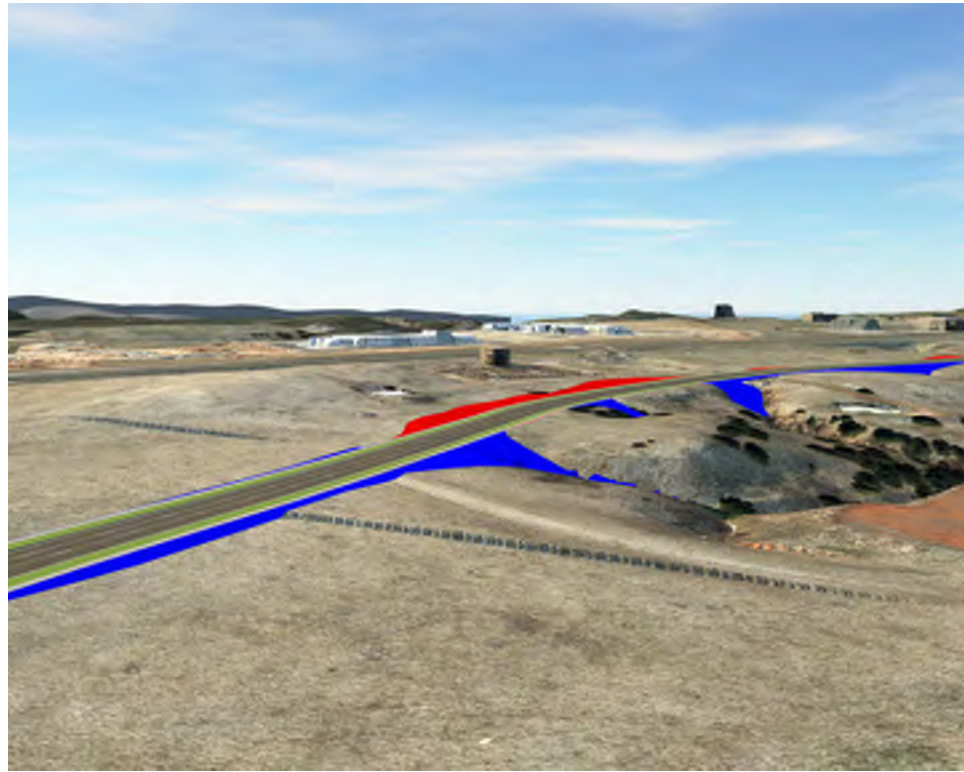
Road Surface: 12,089 SY

Earthwork Cut (Red): 34,977 CY

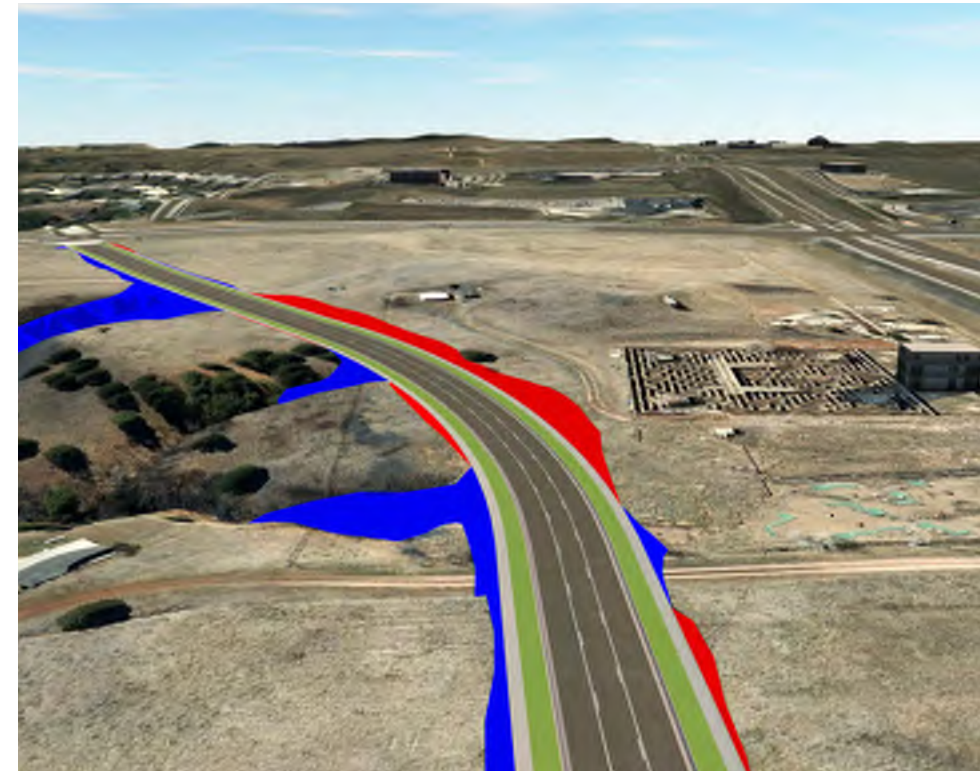
Earthwork Fill (Blue): 120,644 CY

Segment Considerations:

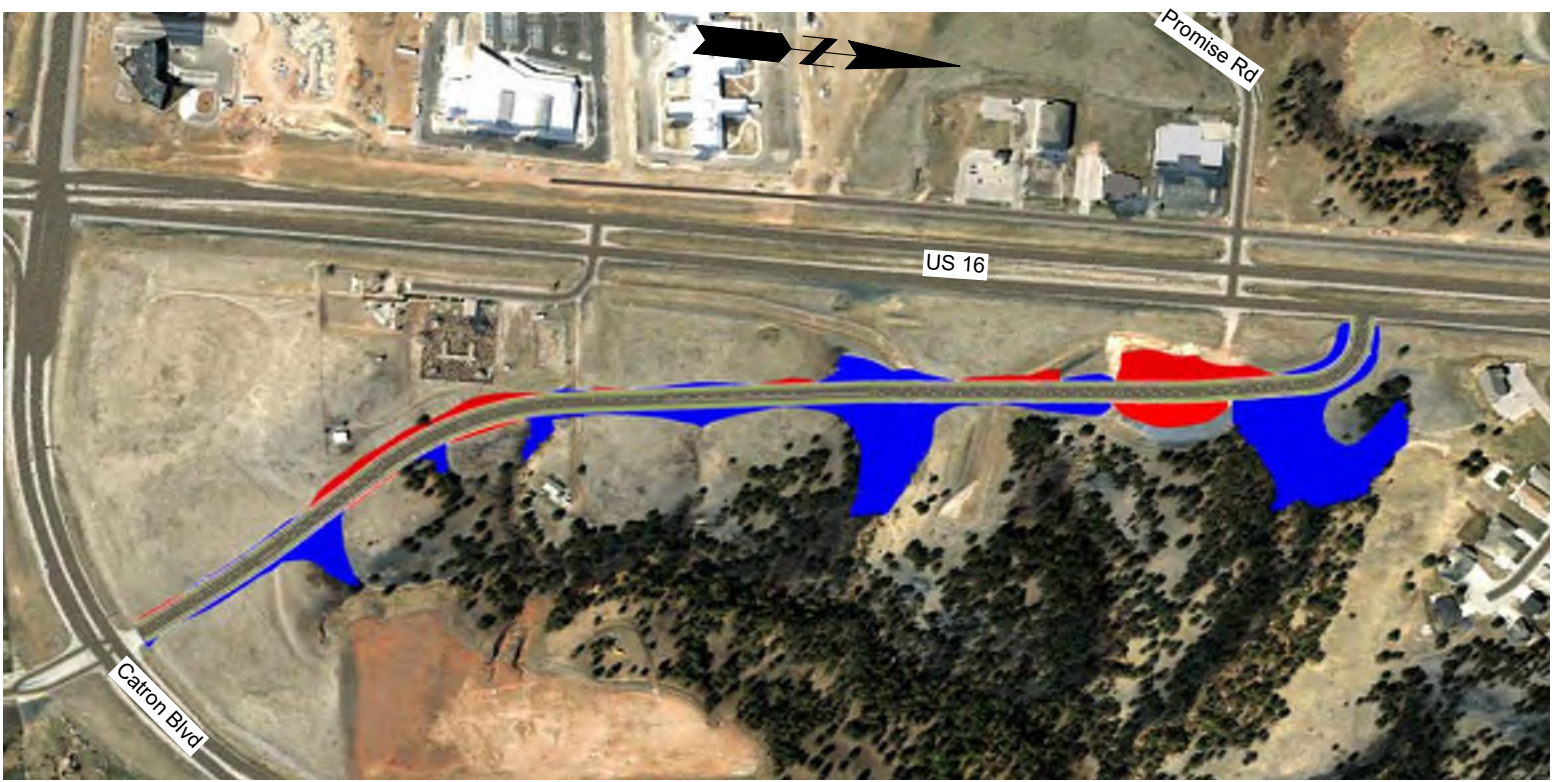
- The SDDOT has designed and is planning to construct northern portion of segment (north of Tucker Street).
- Design speed – 35 MPH.
- Recommend adding to the MSP.



Isometric looking northwest at station 813+00



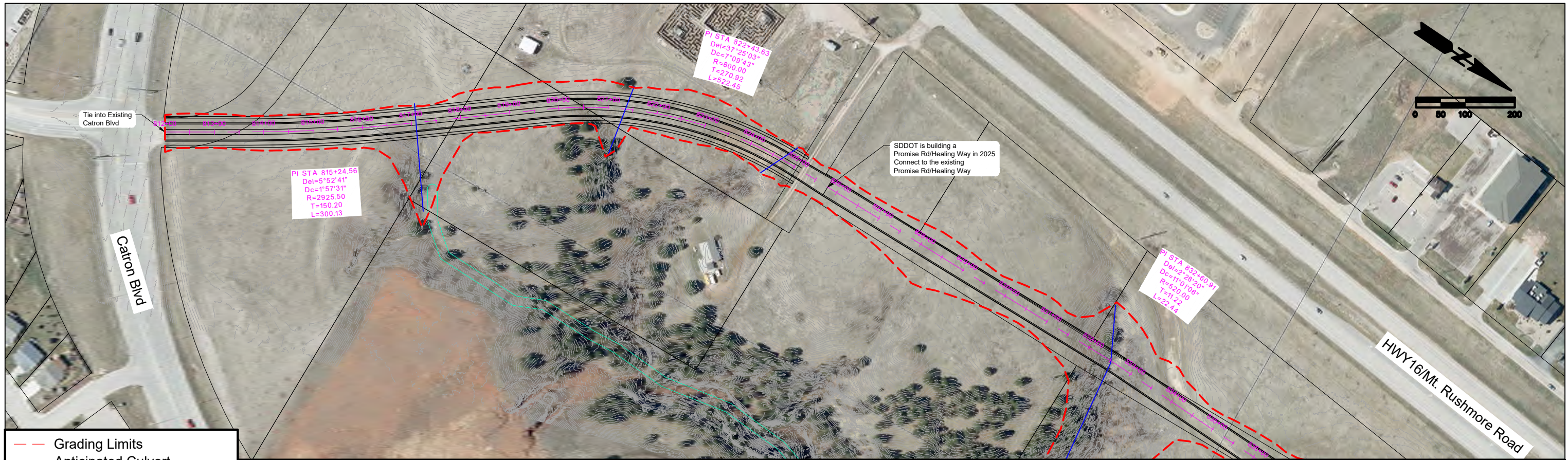
Isometric looking south at station 824+00



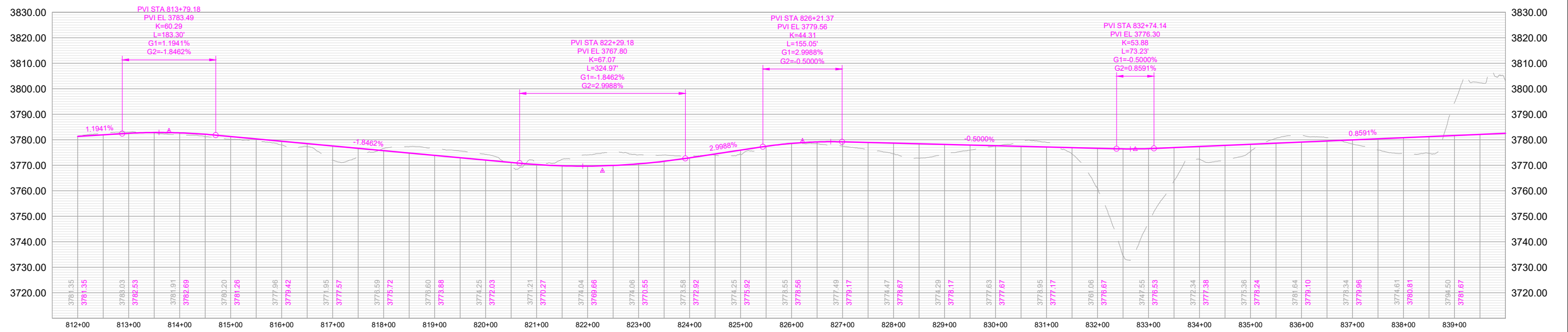
Segment Overview

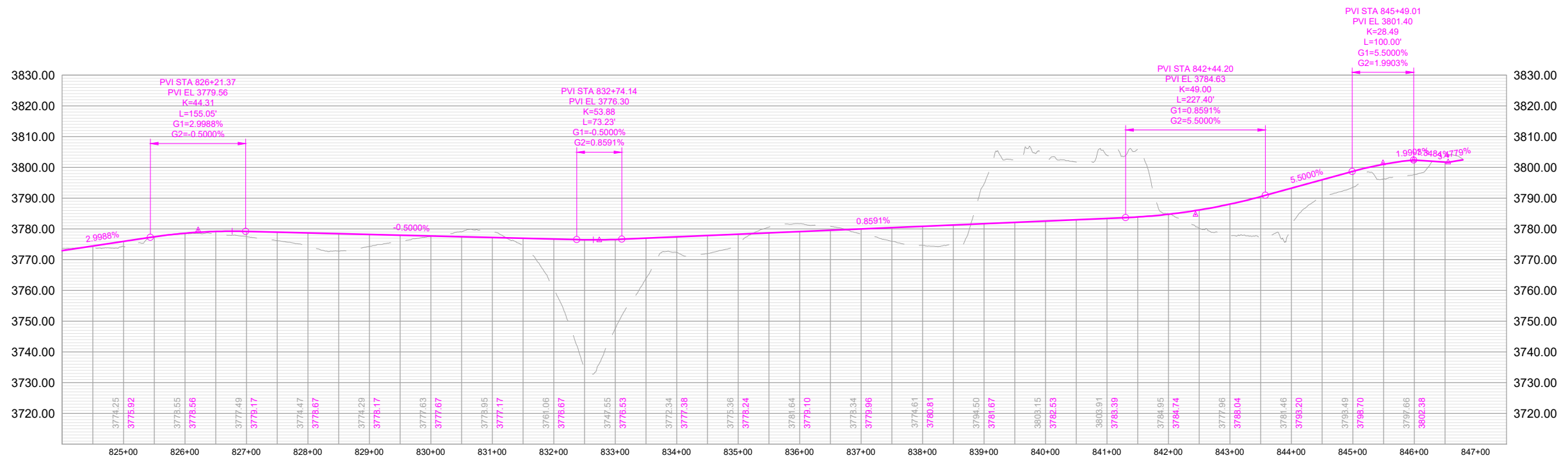
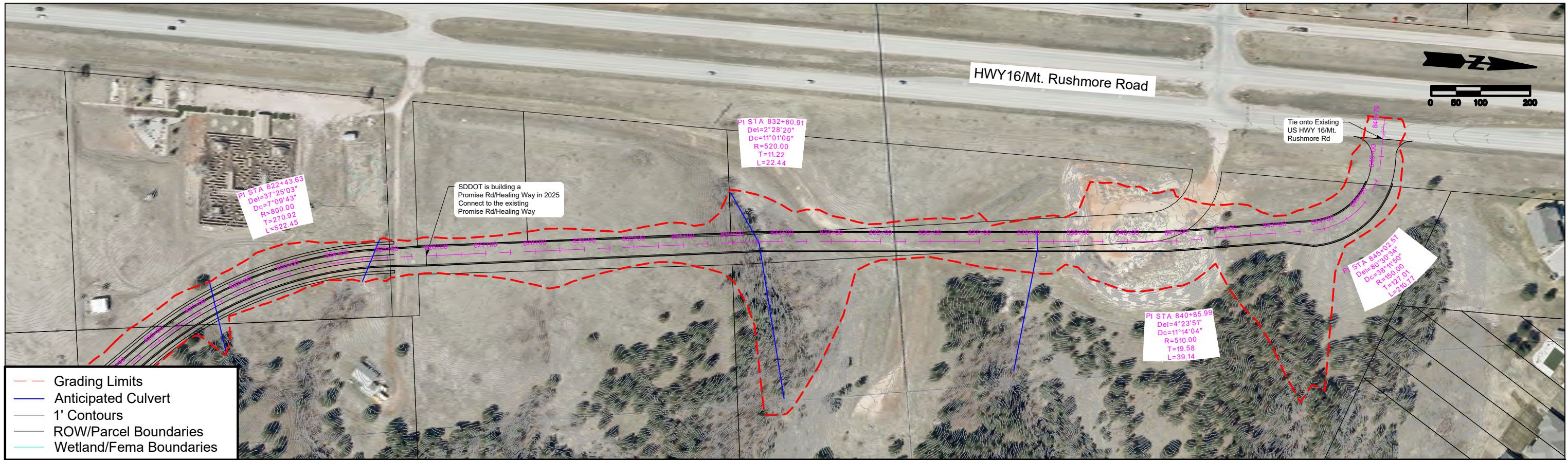
Proposed Typical Section 3 Lane Collector





- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





Dreamscape Road

Sammis Trail to SD Hwy 79

Classification: Minor Arterial

Corridor Length: 19,350 FT

Estimated Quantities

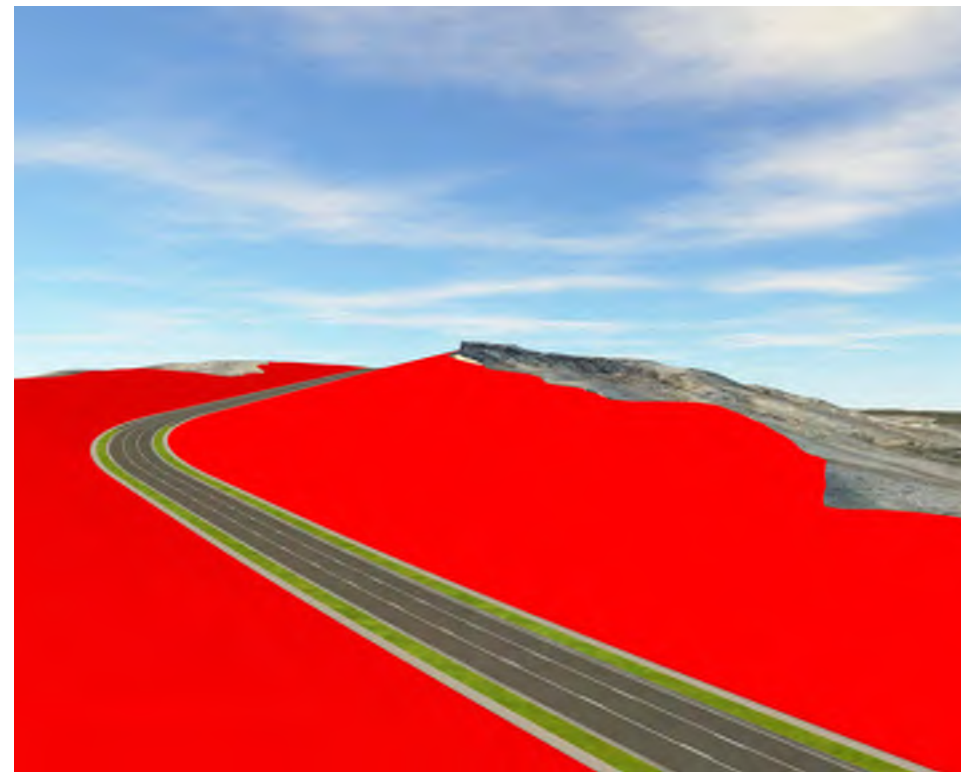
Road Surface: 77,400 SY

Earthwork Cut (Red): 3,932,926 CY

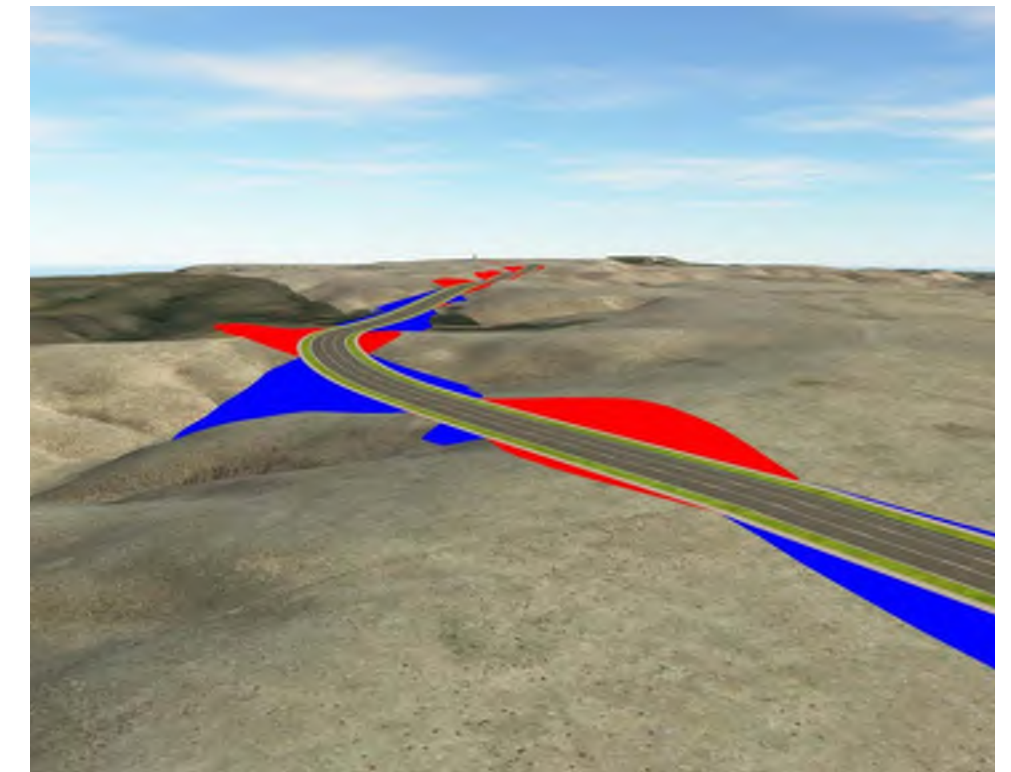
Earthwork Fill (Blue): 288,378 CY

Segment Considerations:

- Design speed – 45 MPH.



Isometric looking northwest at station 1+00



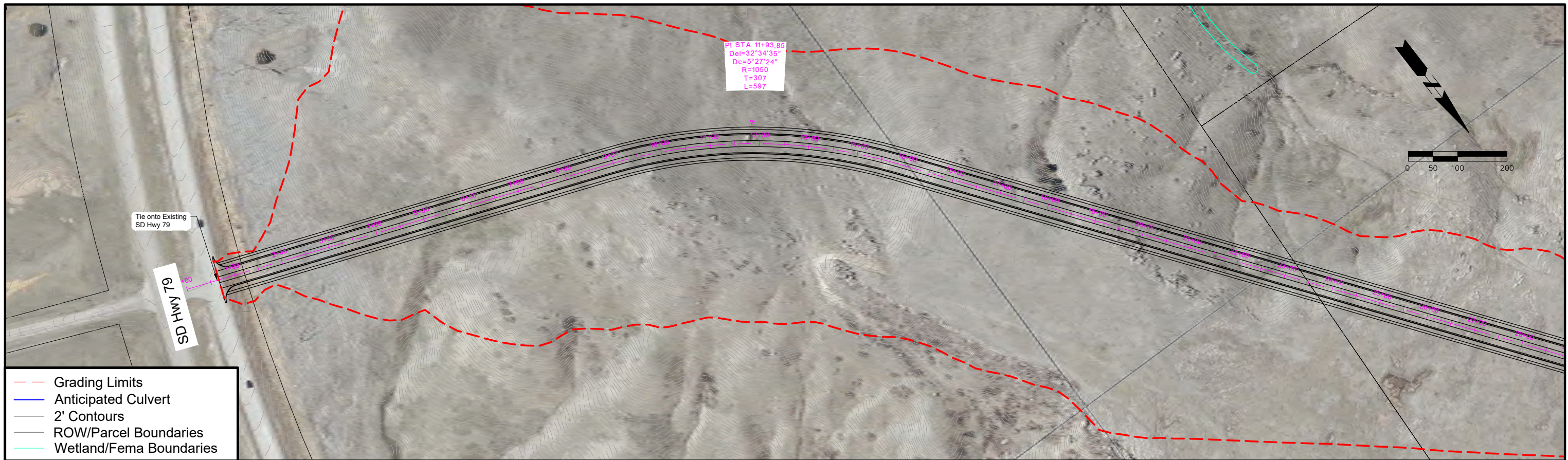
Isometric looking southeast at station 121+00



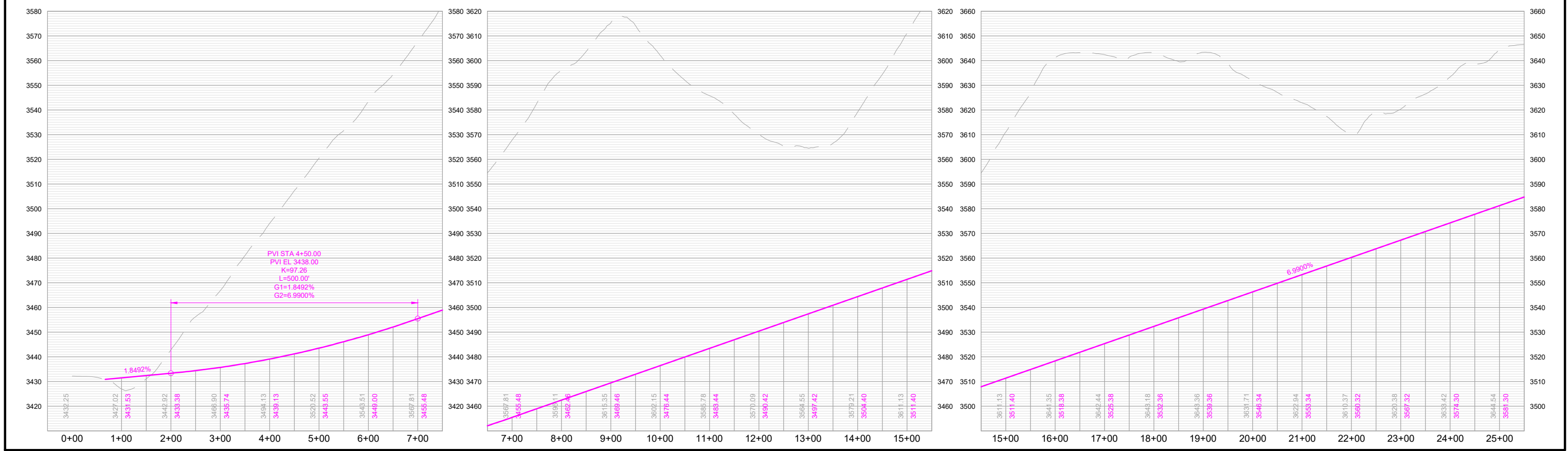
Segment Overview

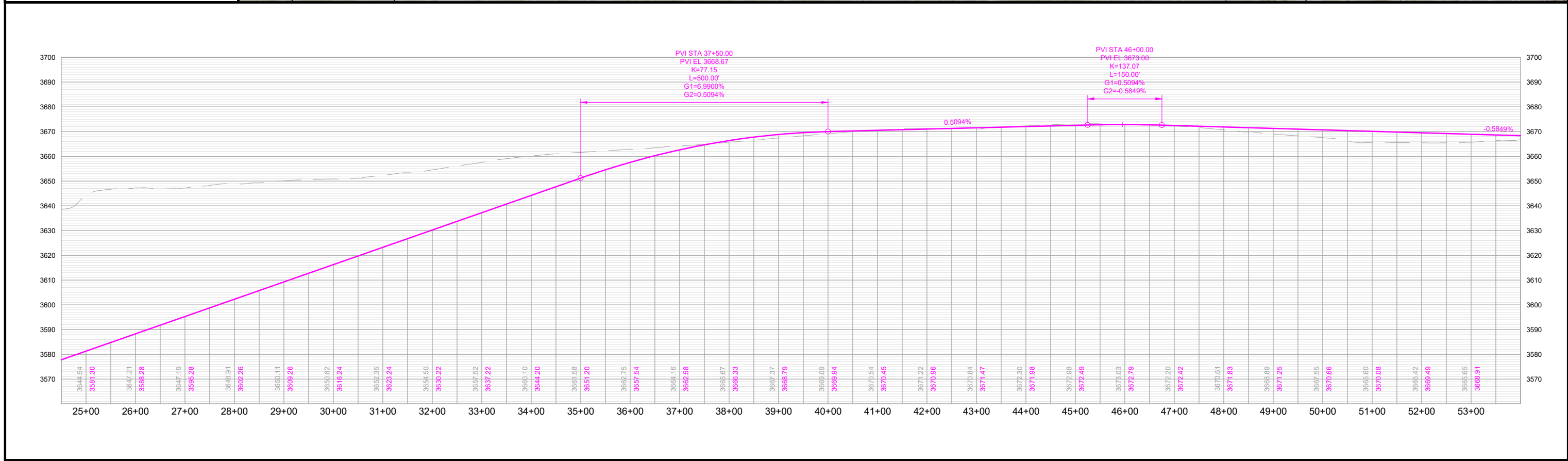
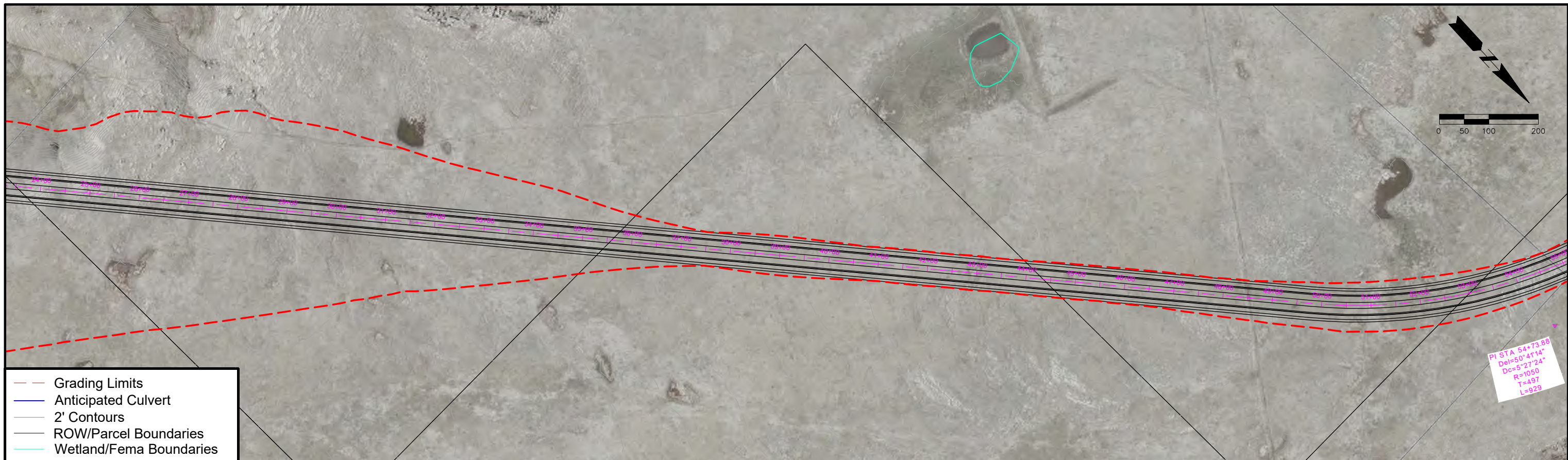
Proposed Typical Section 3 Lane Minor Arterial





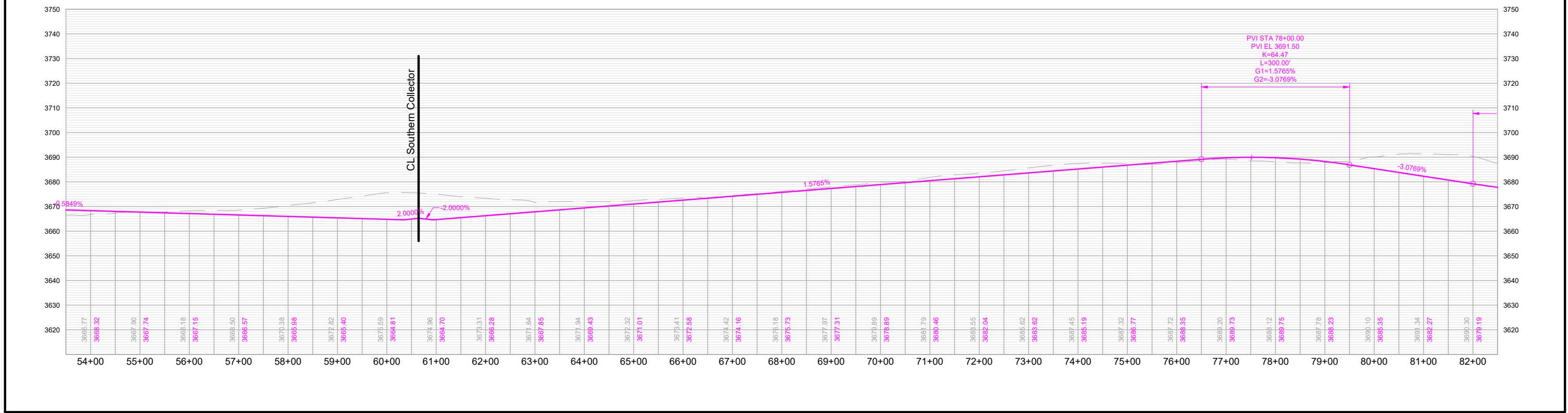
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

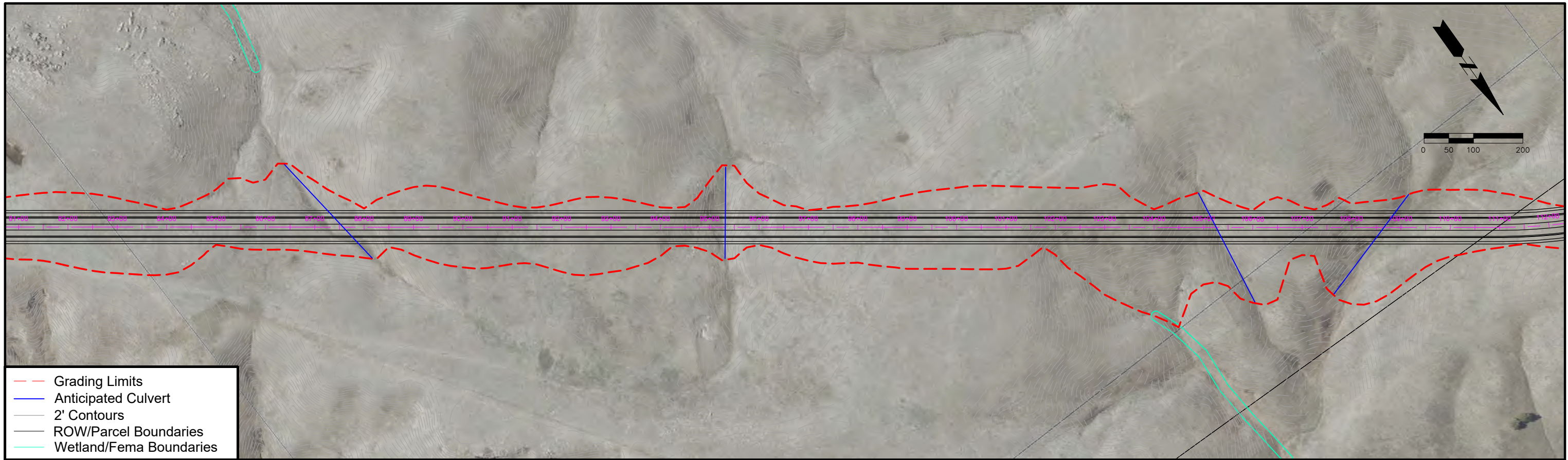




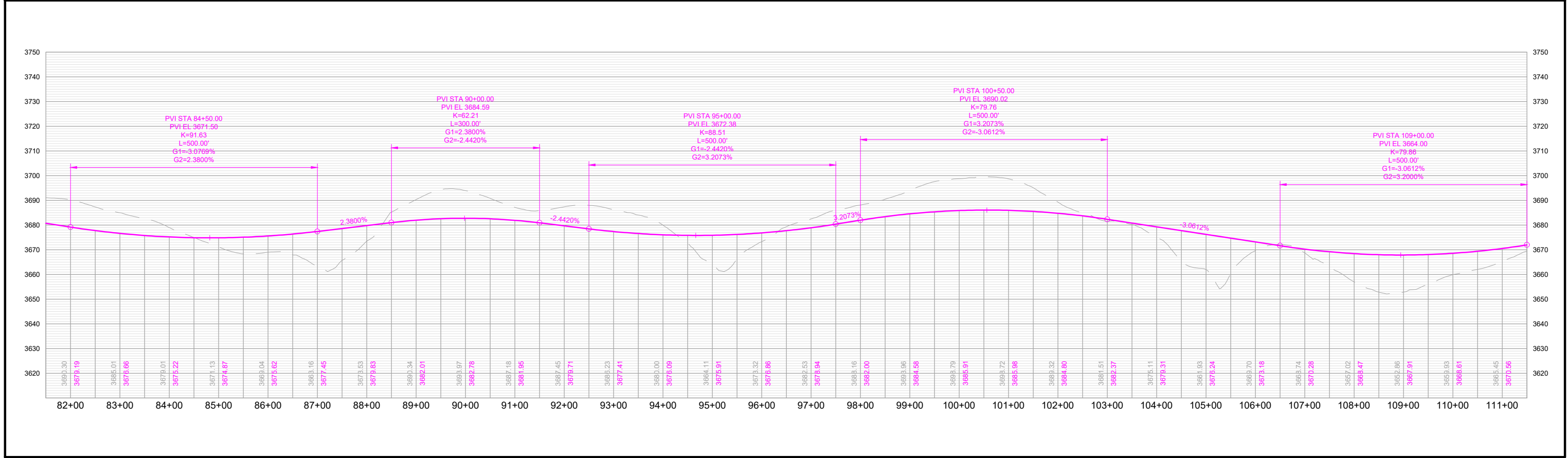


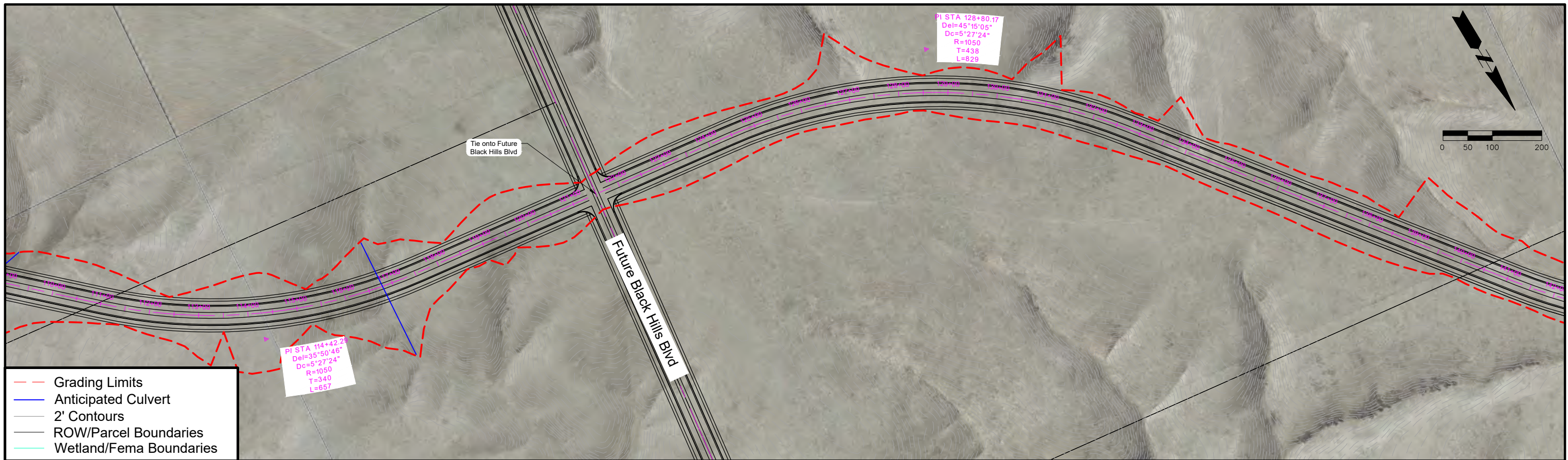
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



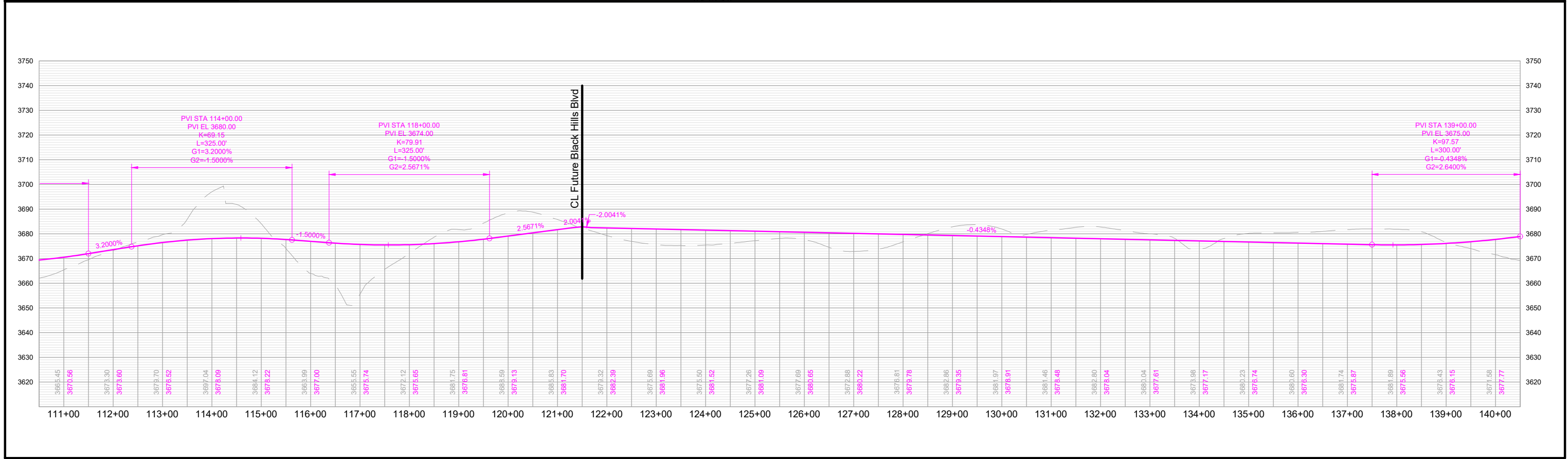


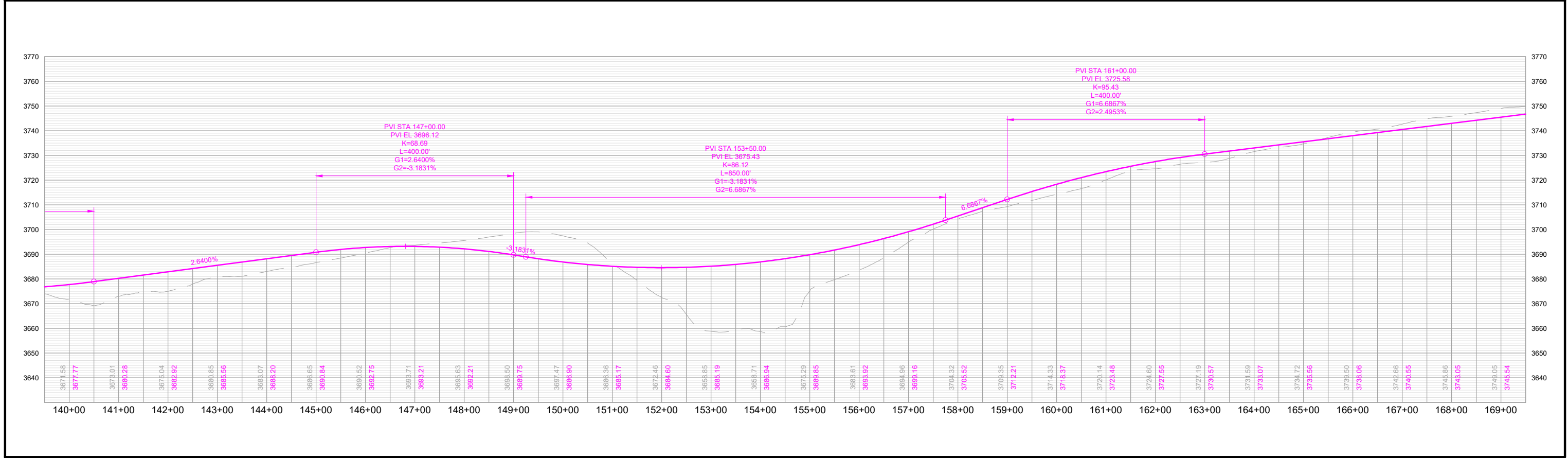
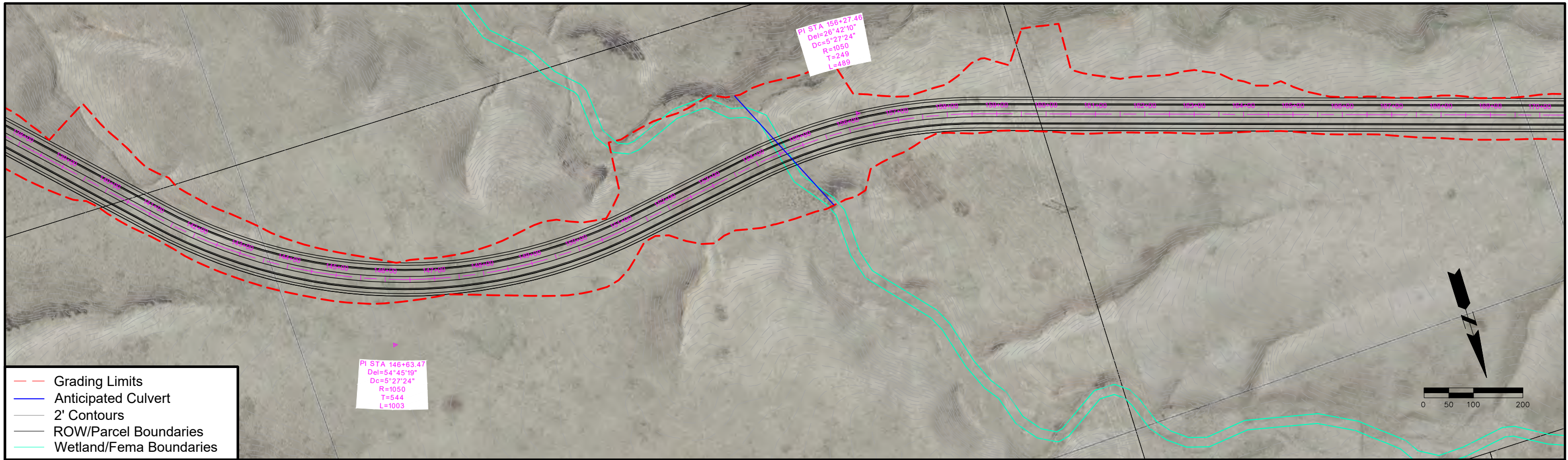
- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

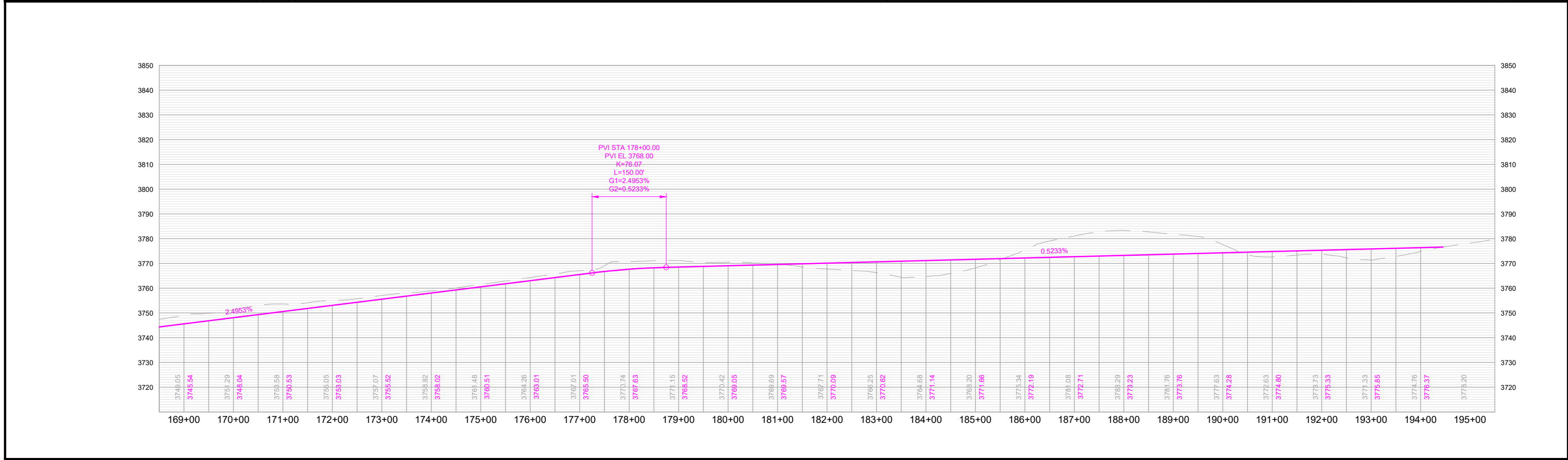
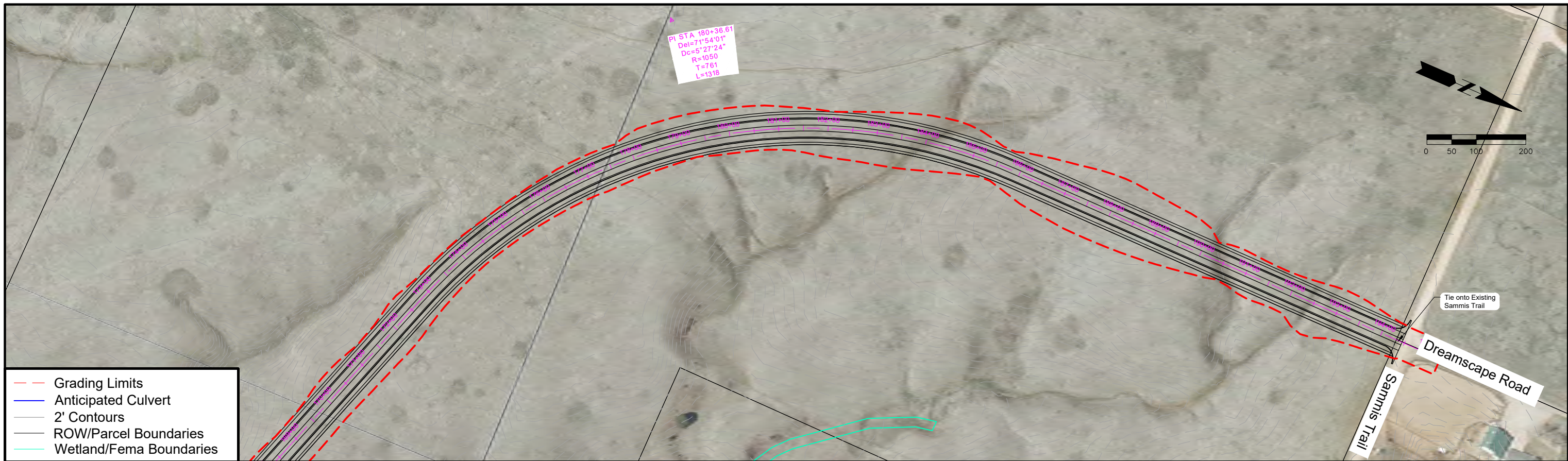




- Grading Limits
- Anticipated Culvert
- 2' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries







Southern Collector

SD Hwy 79 to Upper Spring Creek Road

Classification: Principal Arterial/Collector

Corridor Length: 15,961 FT

Estimated Quantities

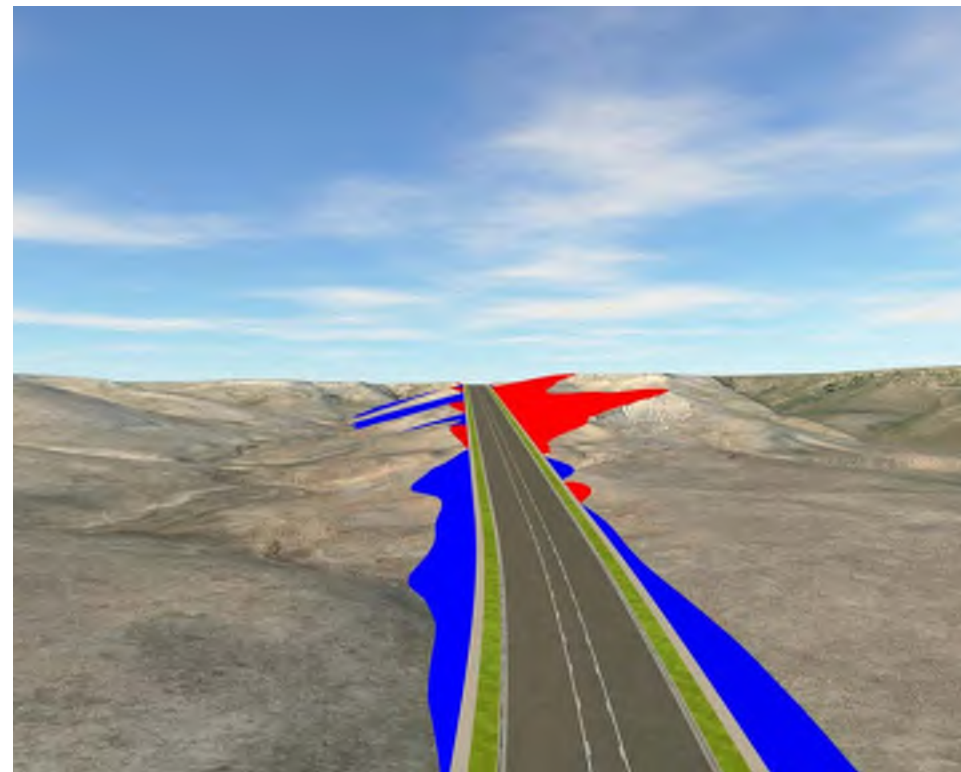
Road Surface: 88,589 CY

Earthwork Cut (Red): 1,568,902 CY

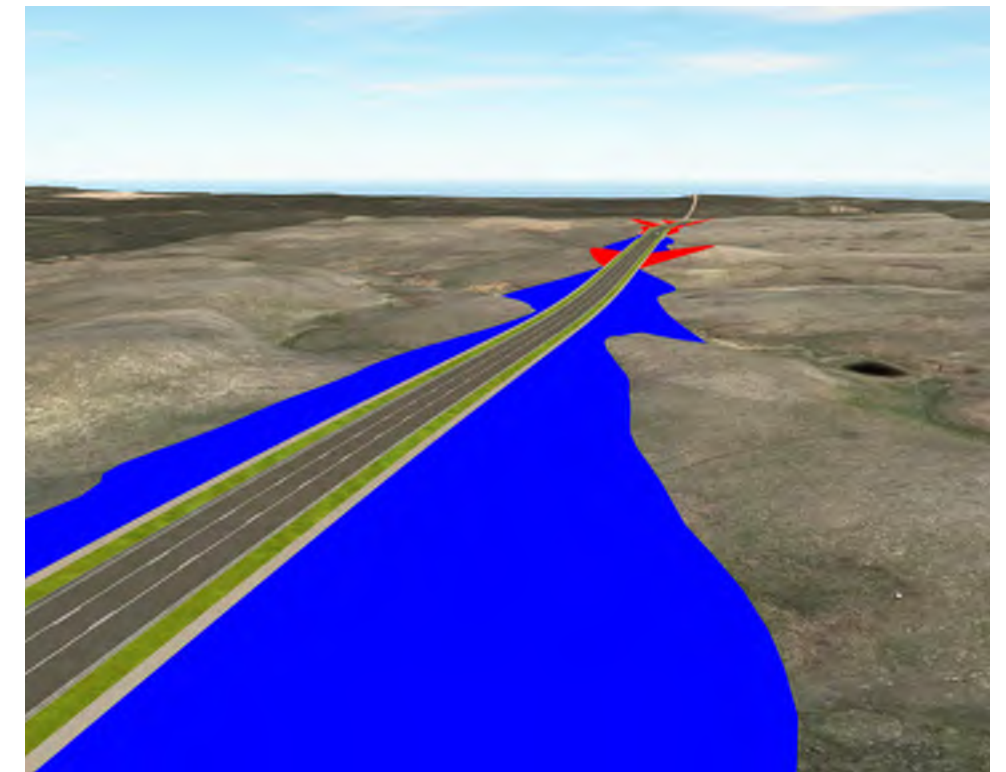
Earthwork Fill (Blue): 581,706 CY

Segment Considerations:

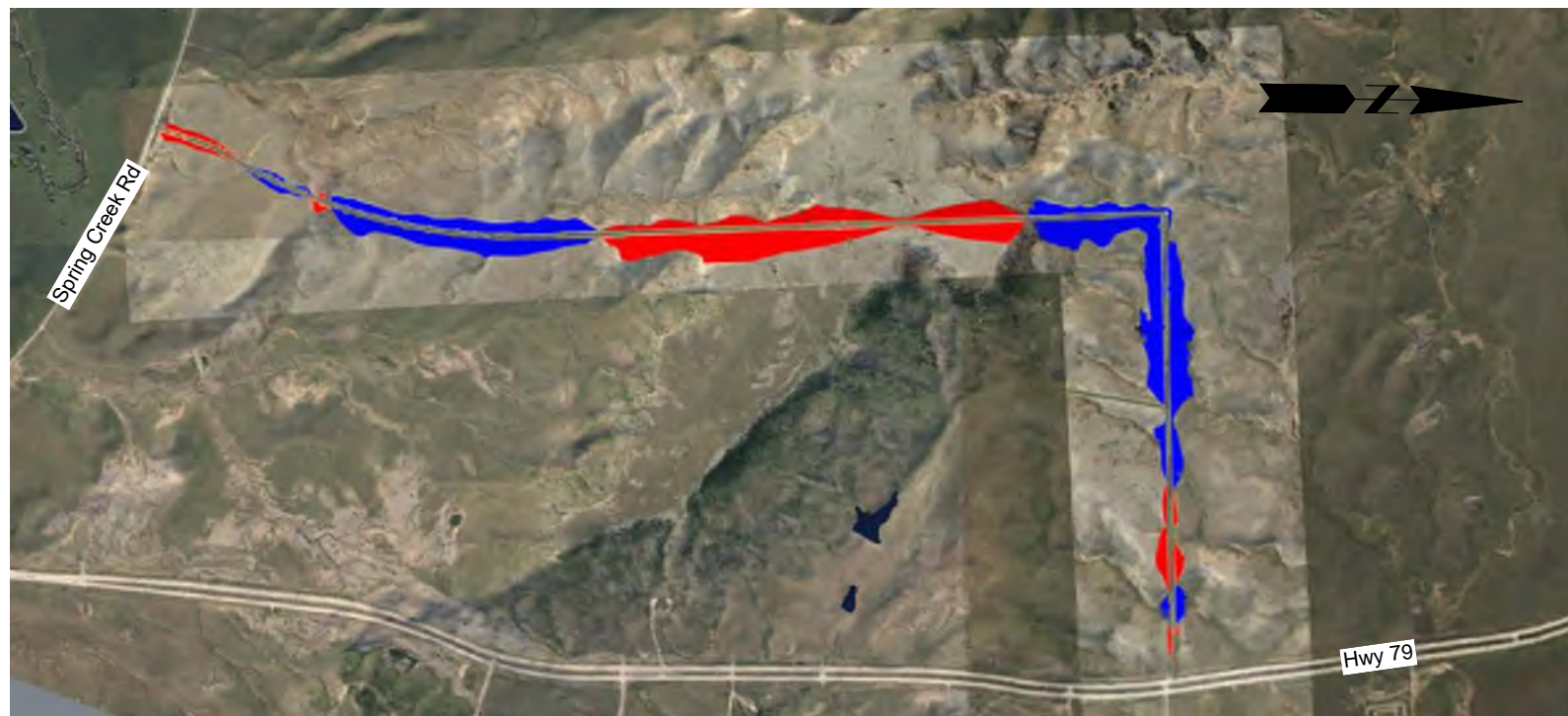
- Design speed – 50 MPH and 35 MPH.



Isometric looking north at station 39+00

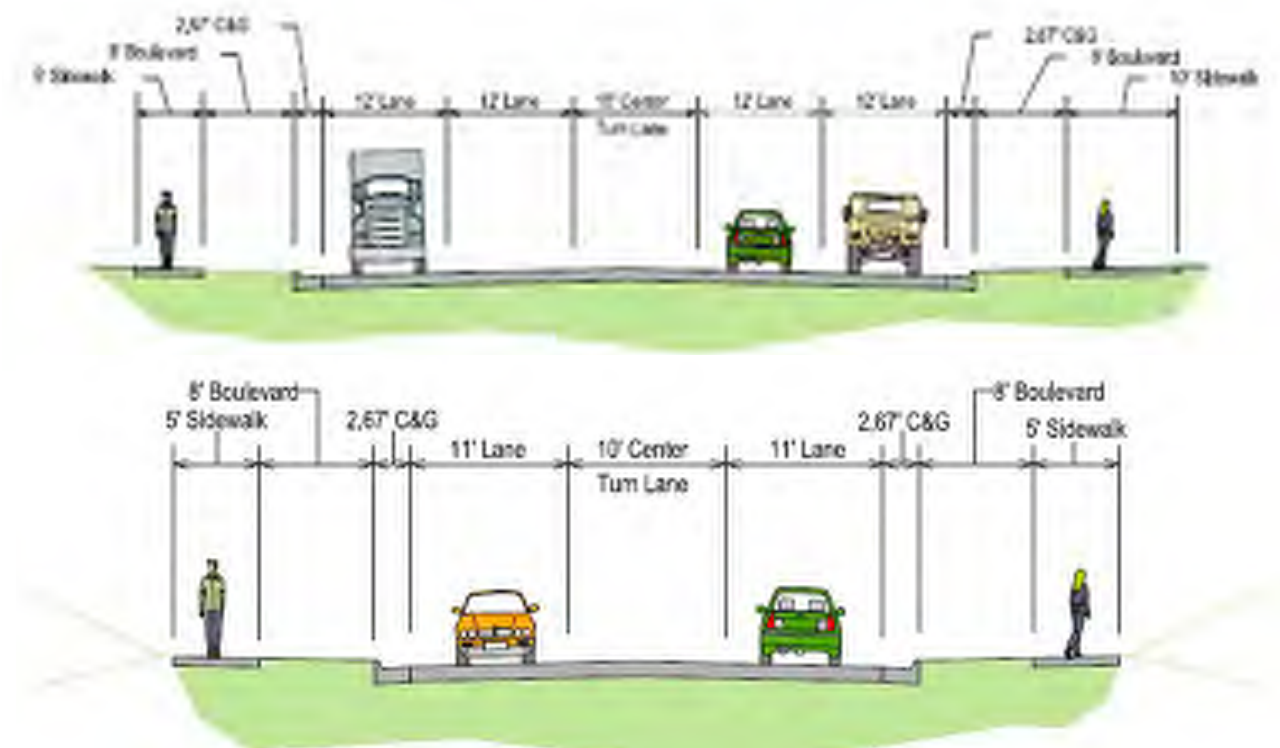


Isometric looking east at station 202+00



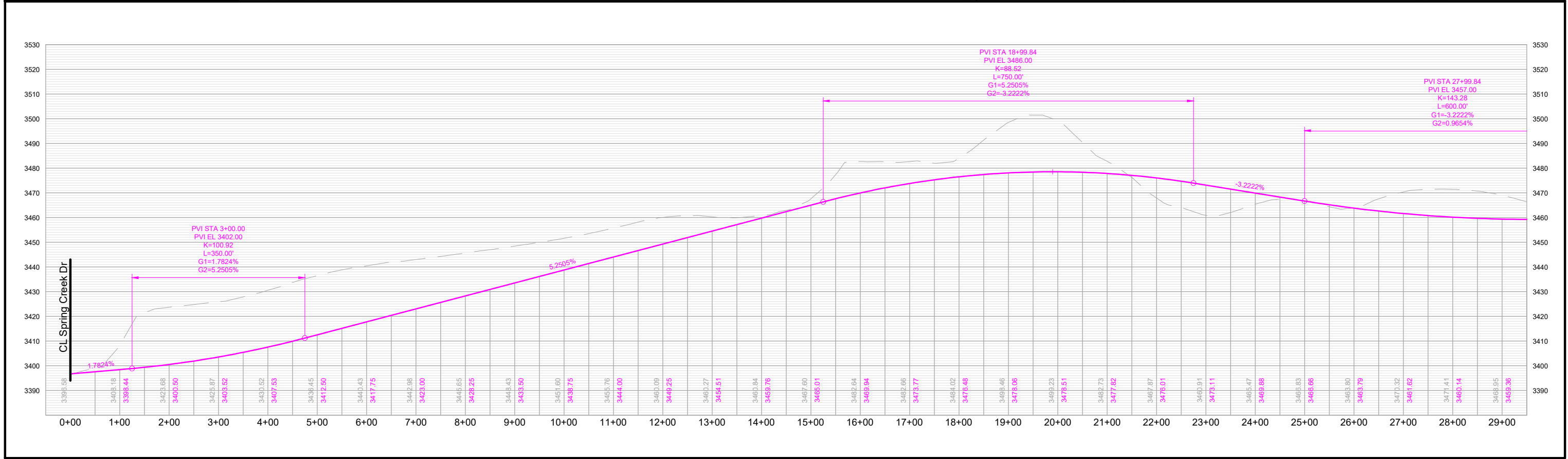
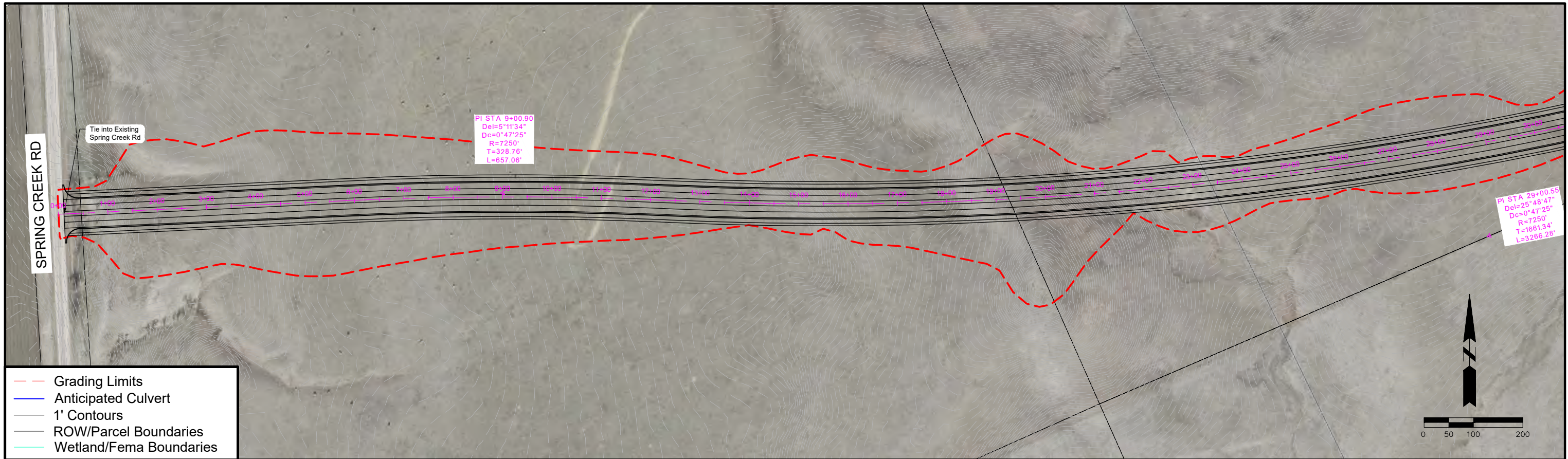
Segment Overview

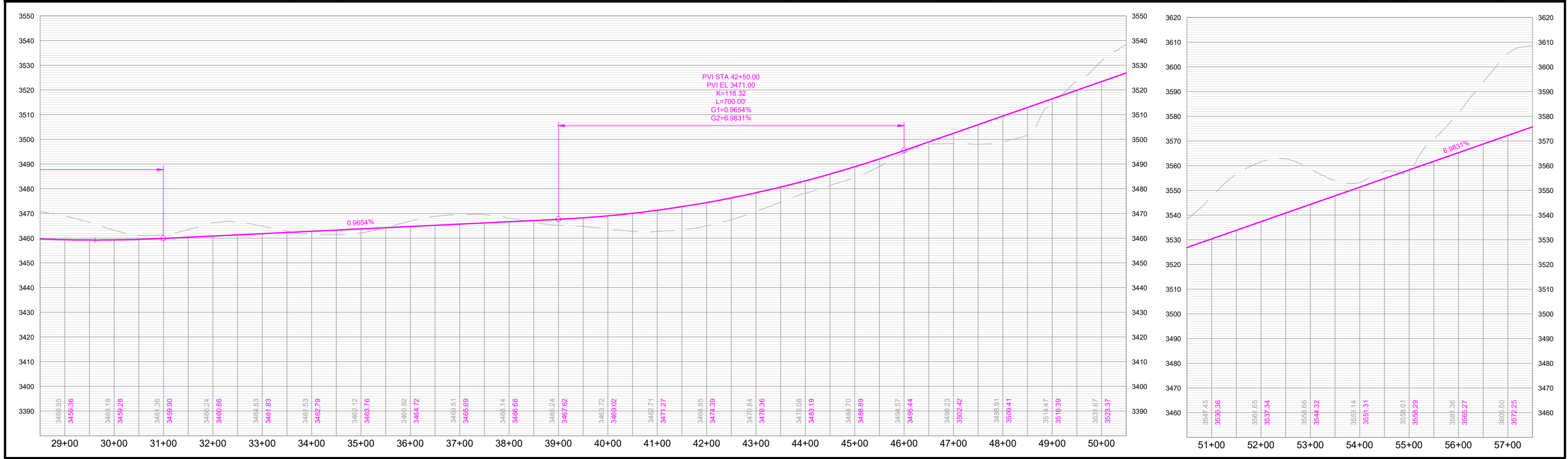
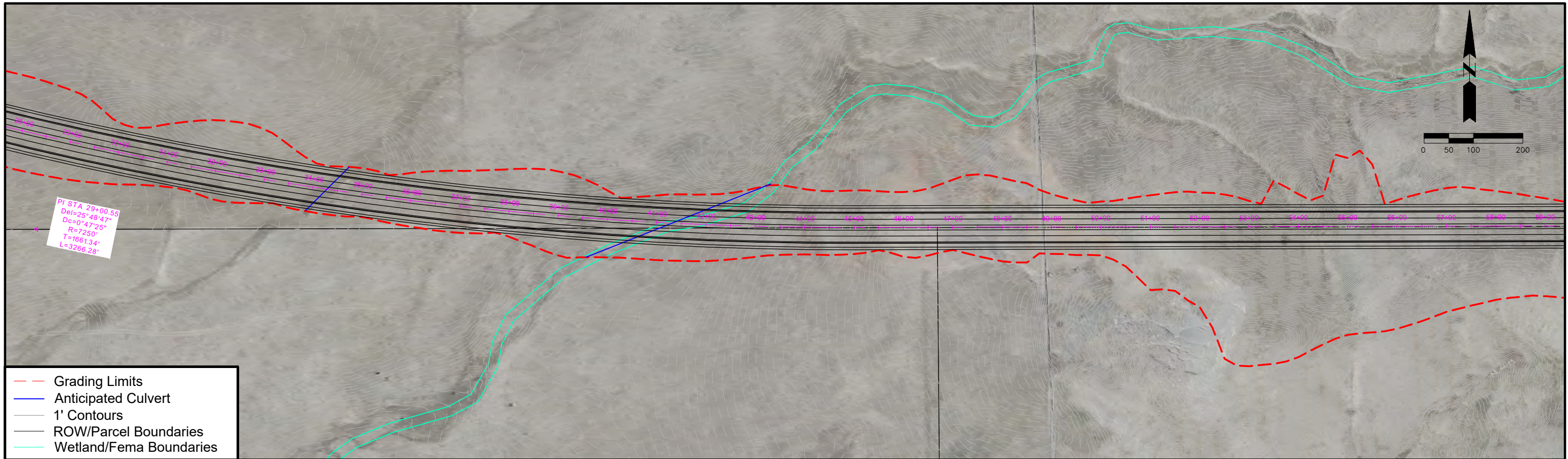
Proposed Typical Sections

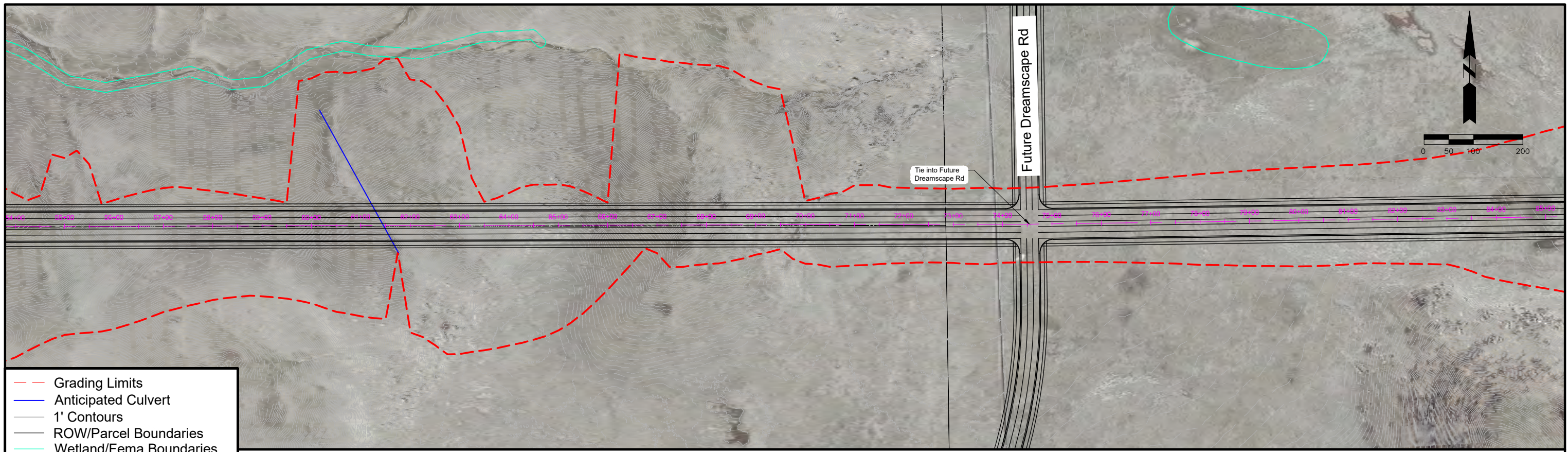


5 Lane Principal Arterial

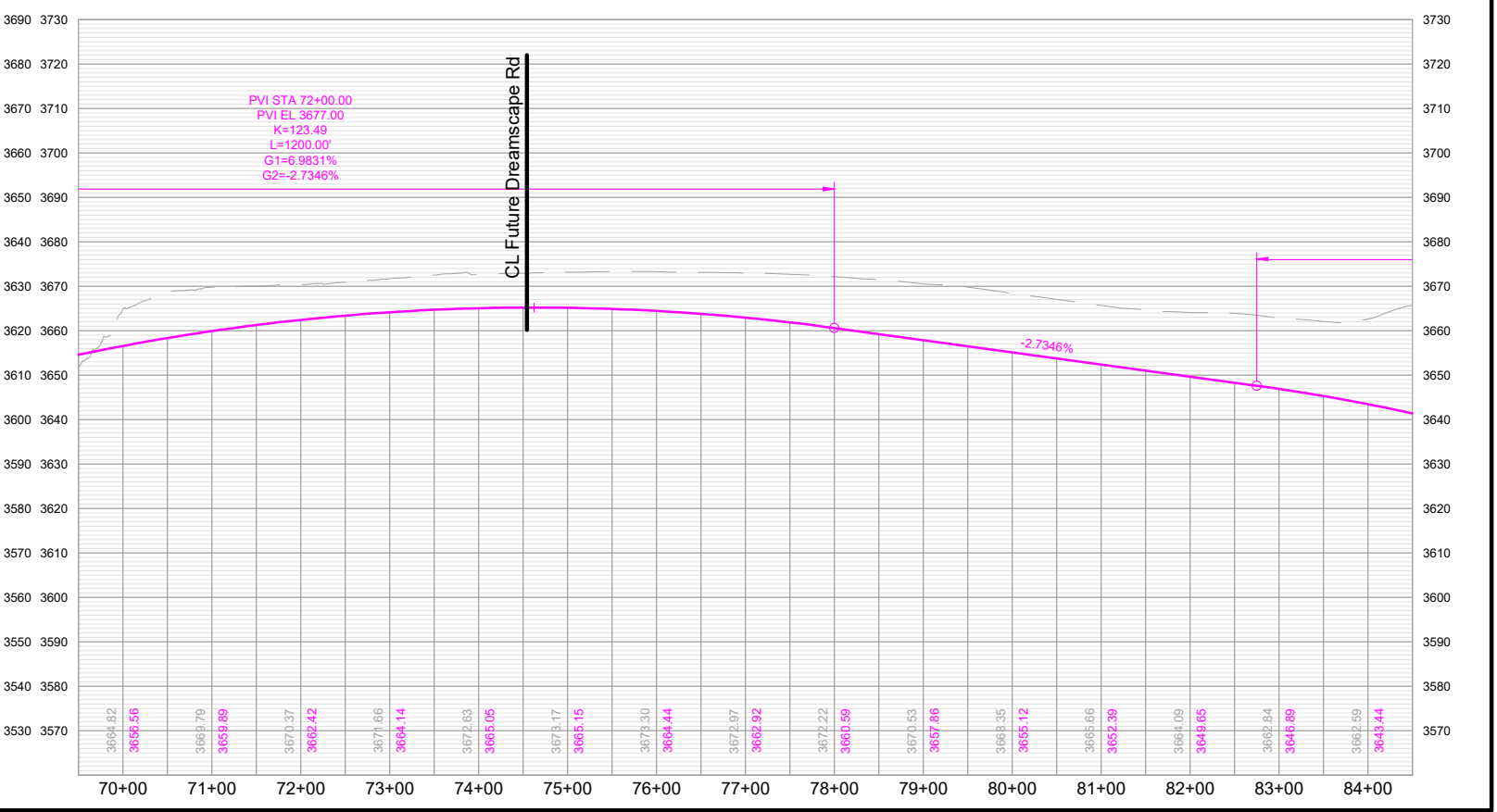
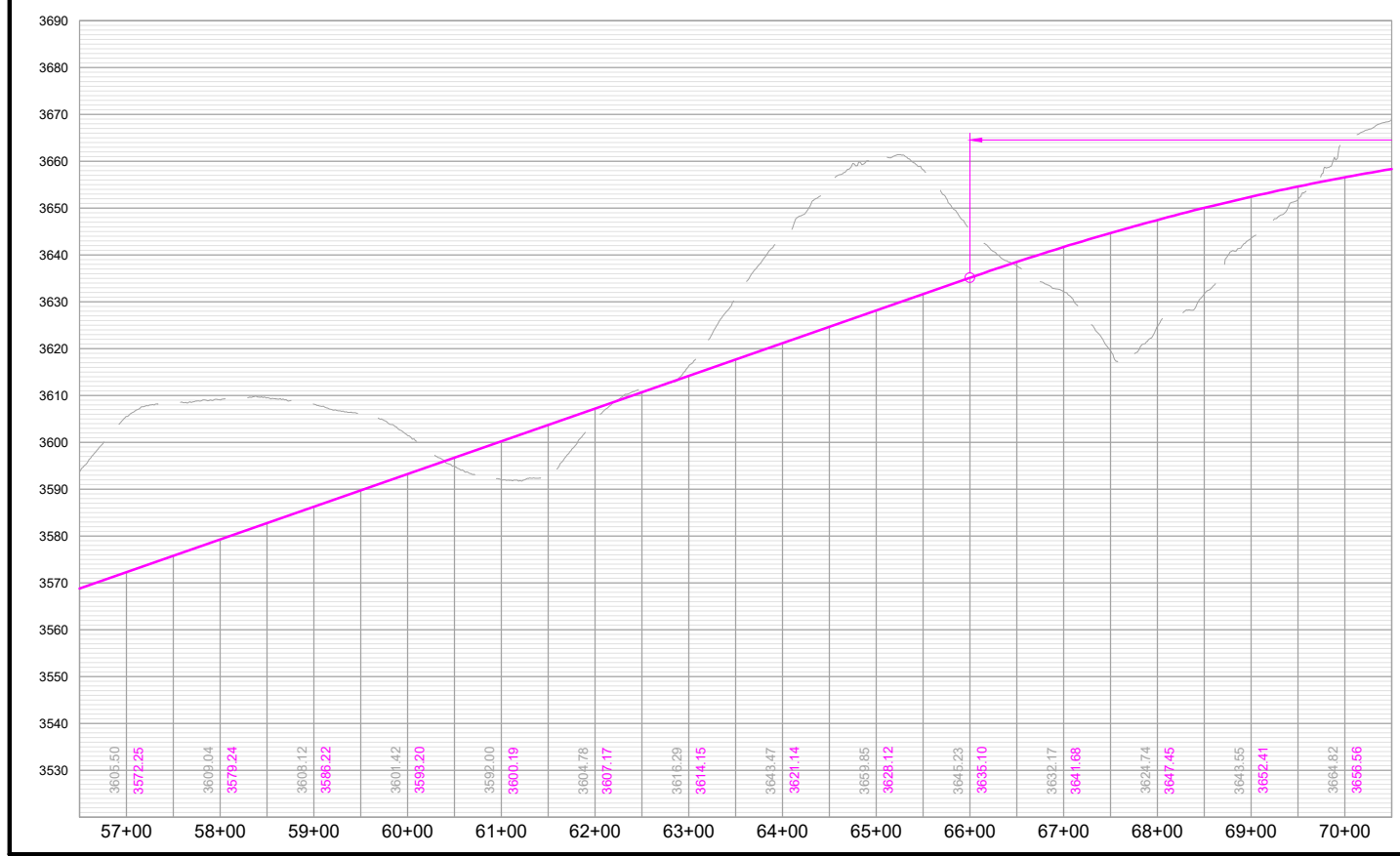
3 Lane Collector

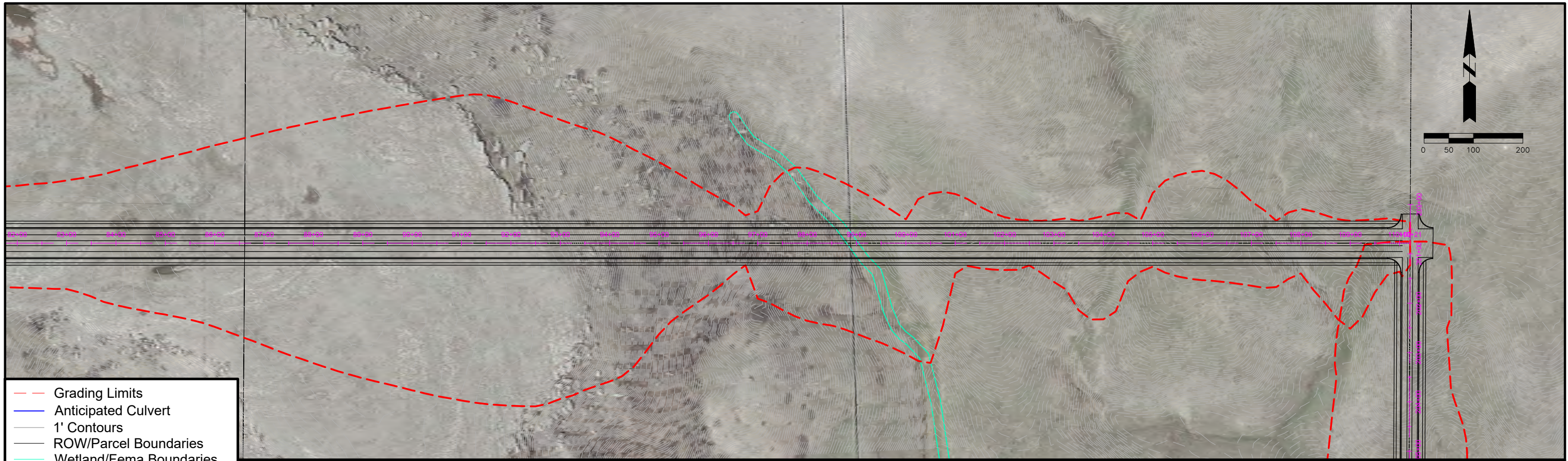




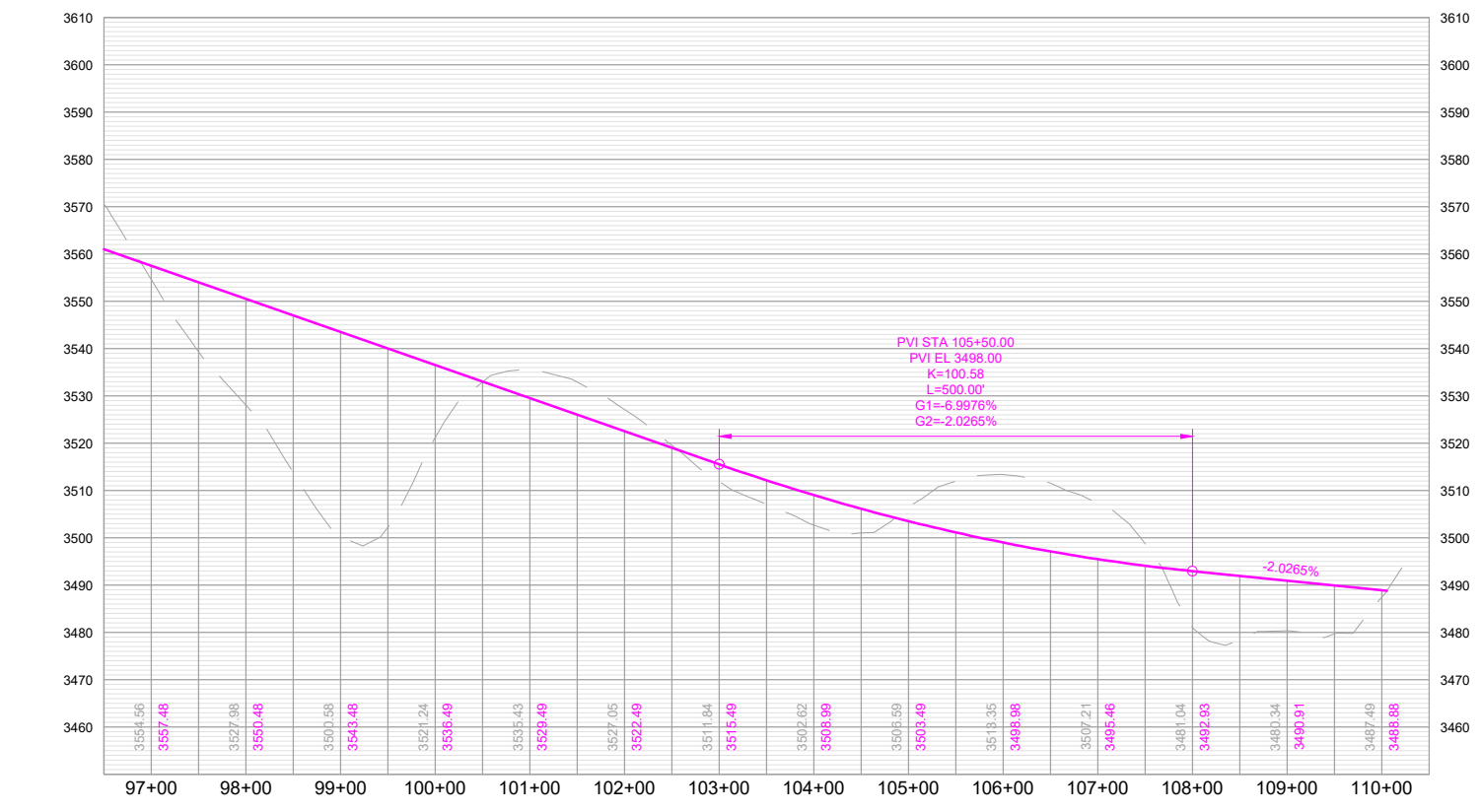
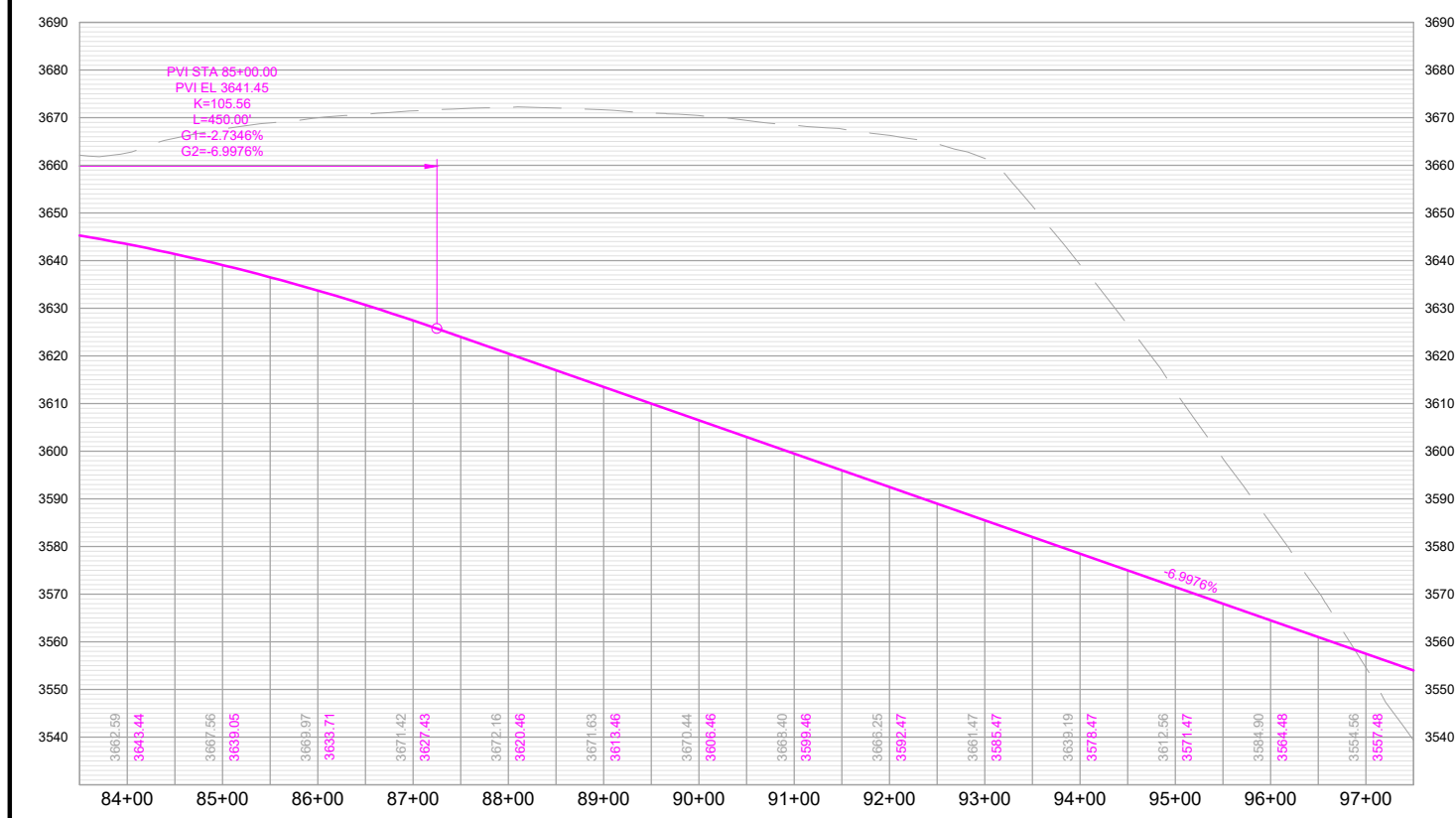


- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

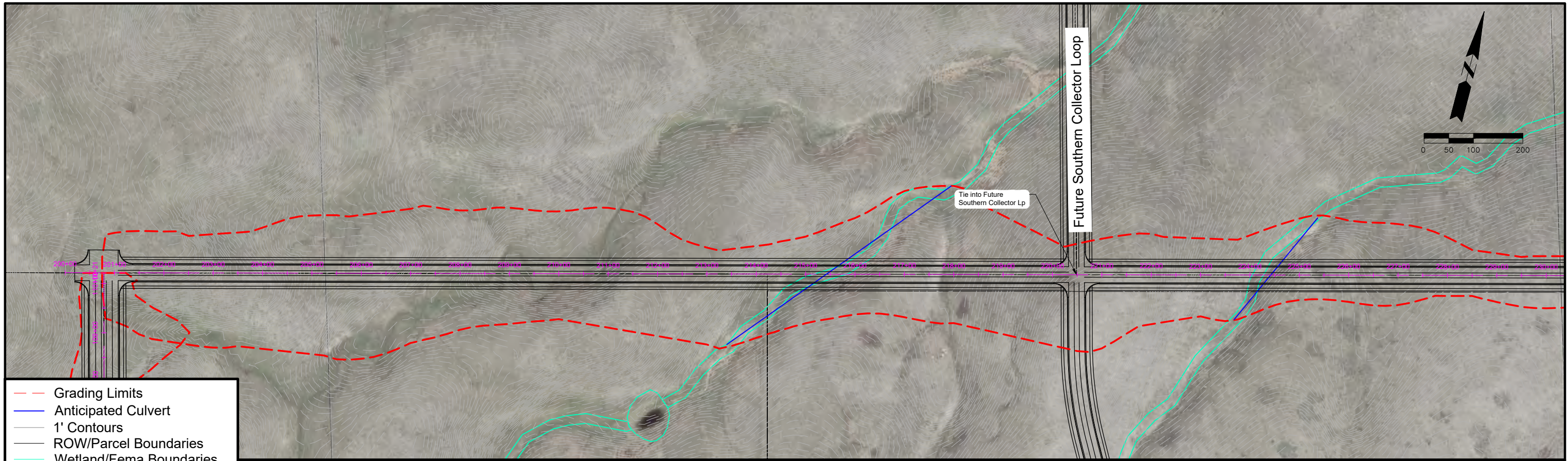




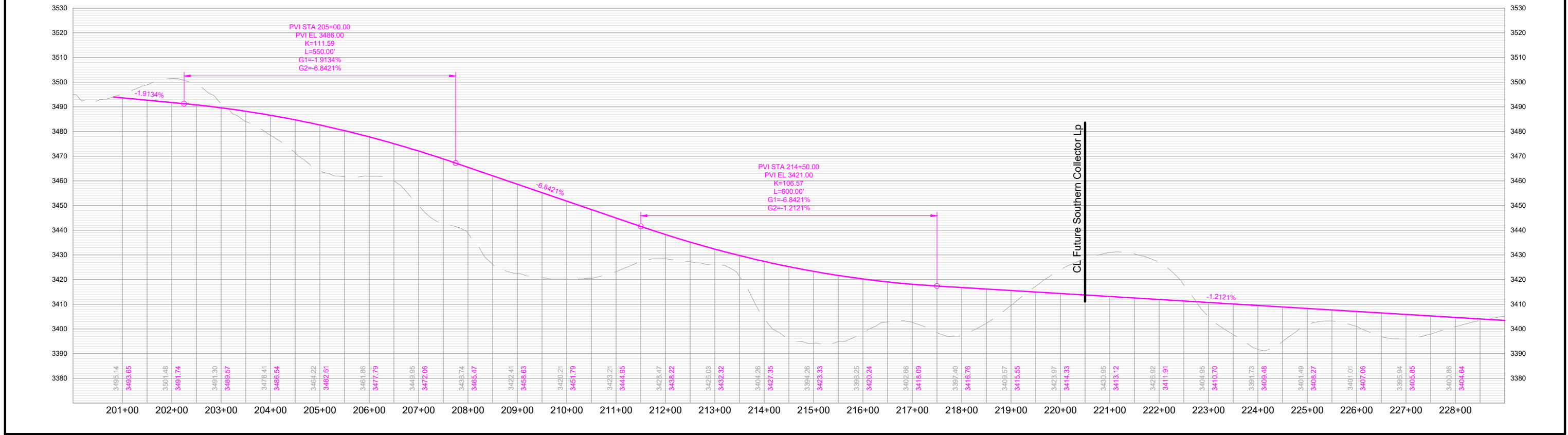
- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries

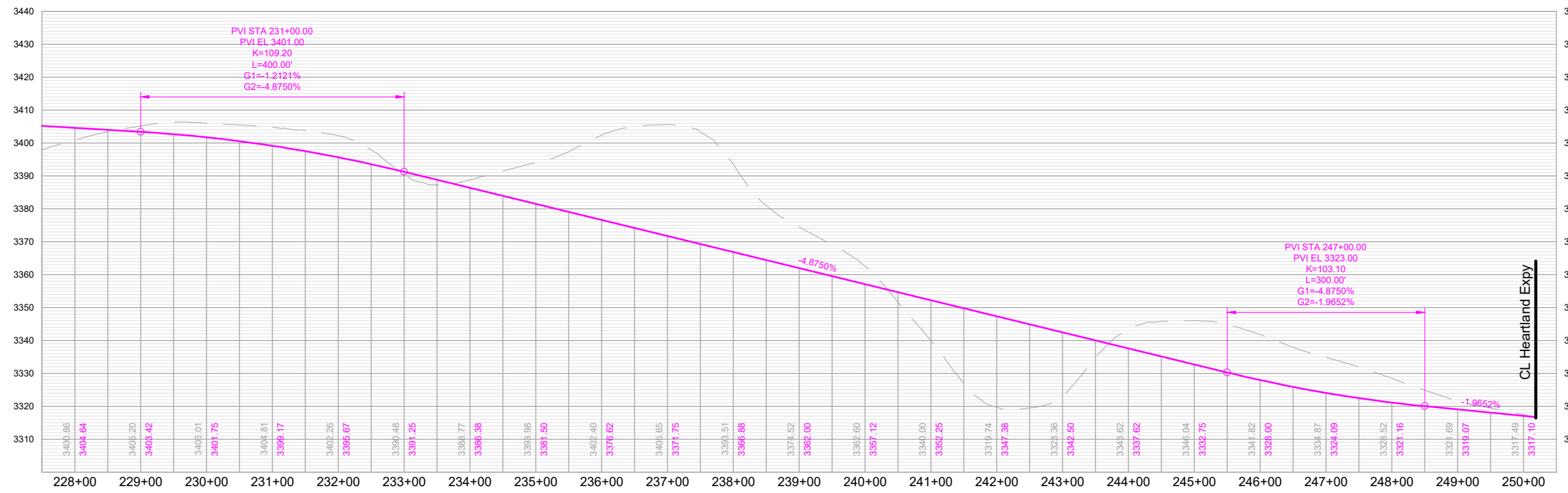
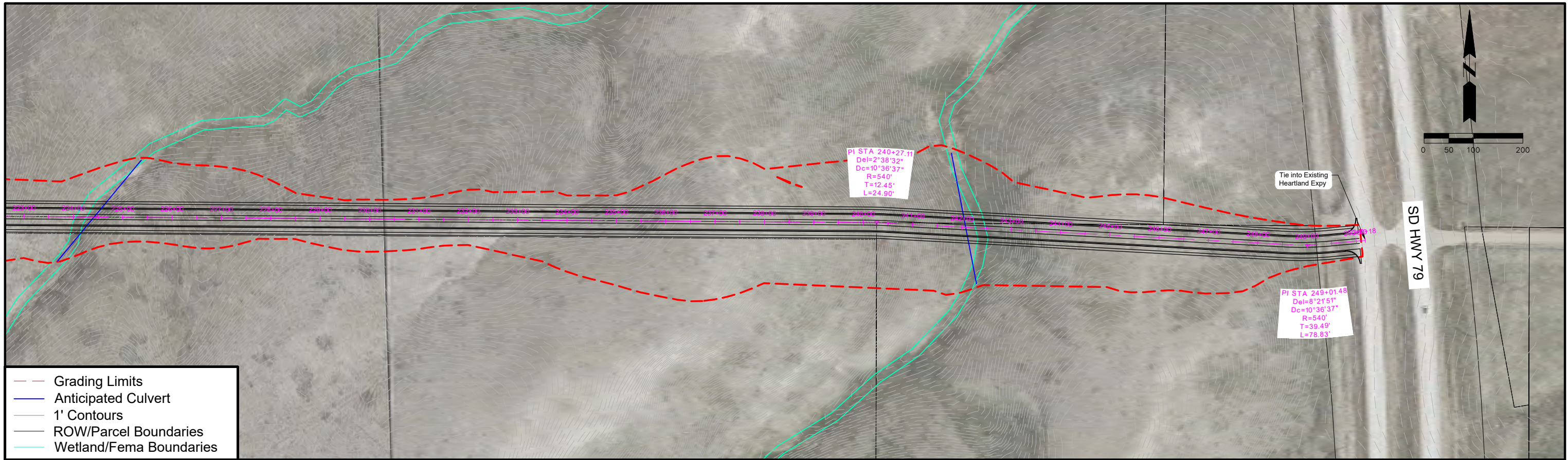


Southern Collector
US HWY 79 to Upper Spring Creek Rd



- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





Southern Collector Loop

SD Hwy 79 to North of Black Gap

Classification: Collector

Corridor Length: 11,550 FT

Estimated Quantities

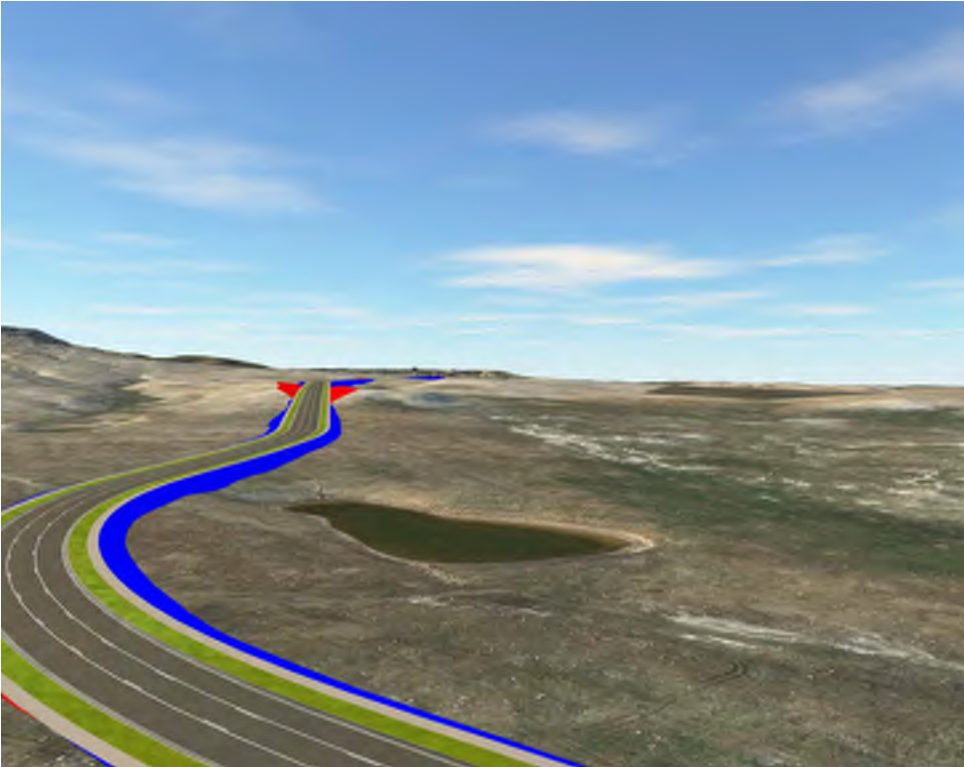
Road Surface: 41,067 SY

Earthwork Cut (Red): 48,438 CY

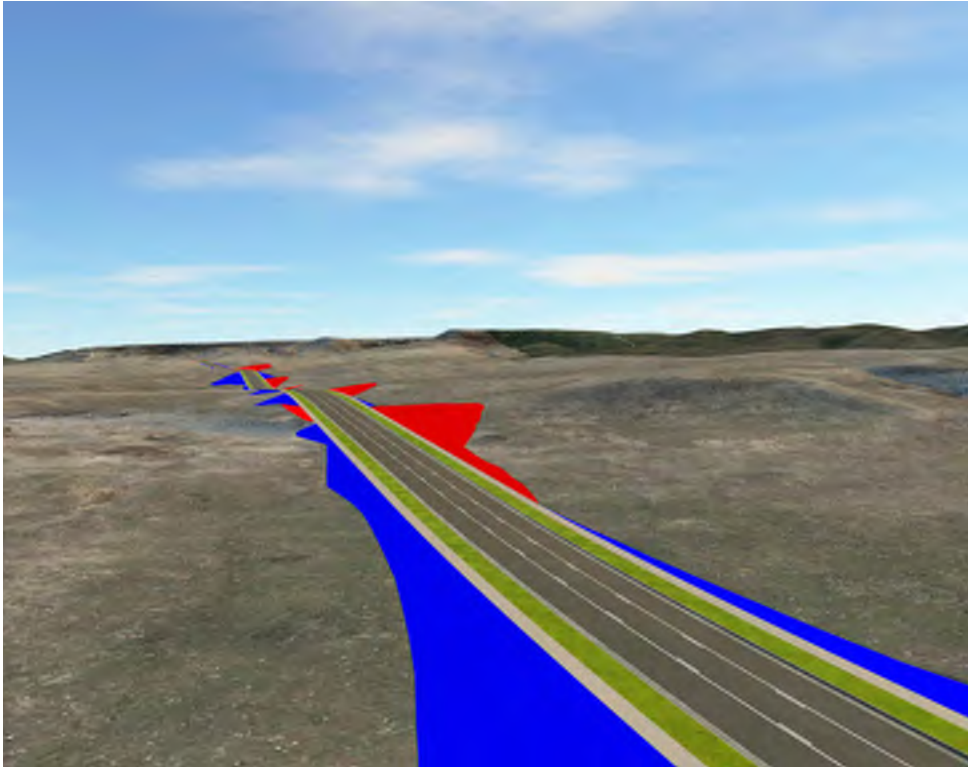
Earthwork Fill (Blue): 236,080 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking northwest at station 2+50

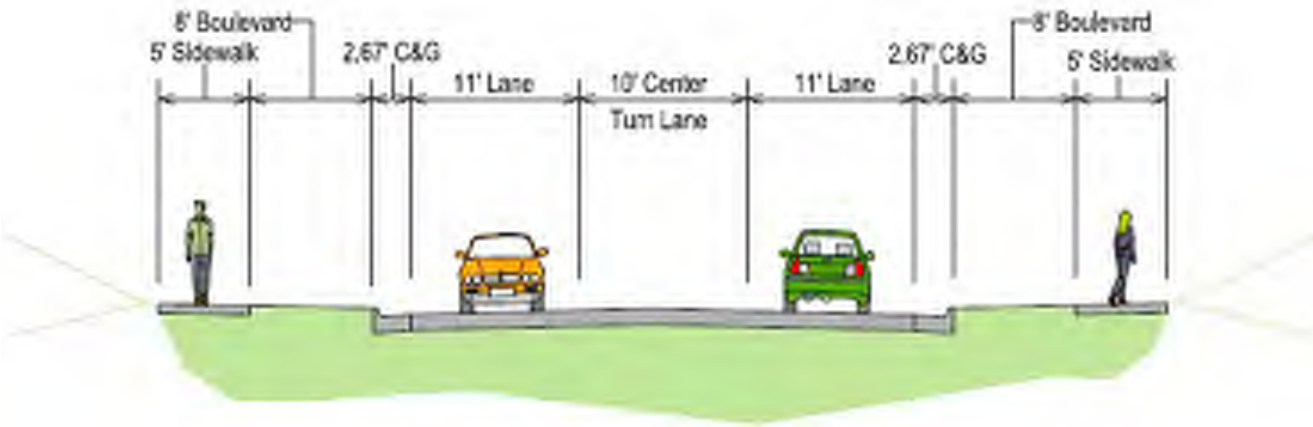


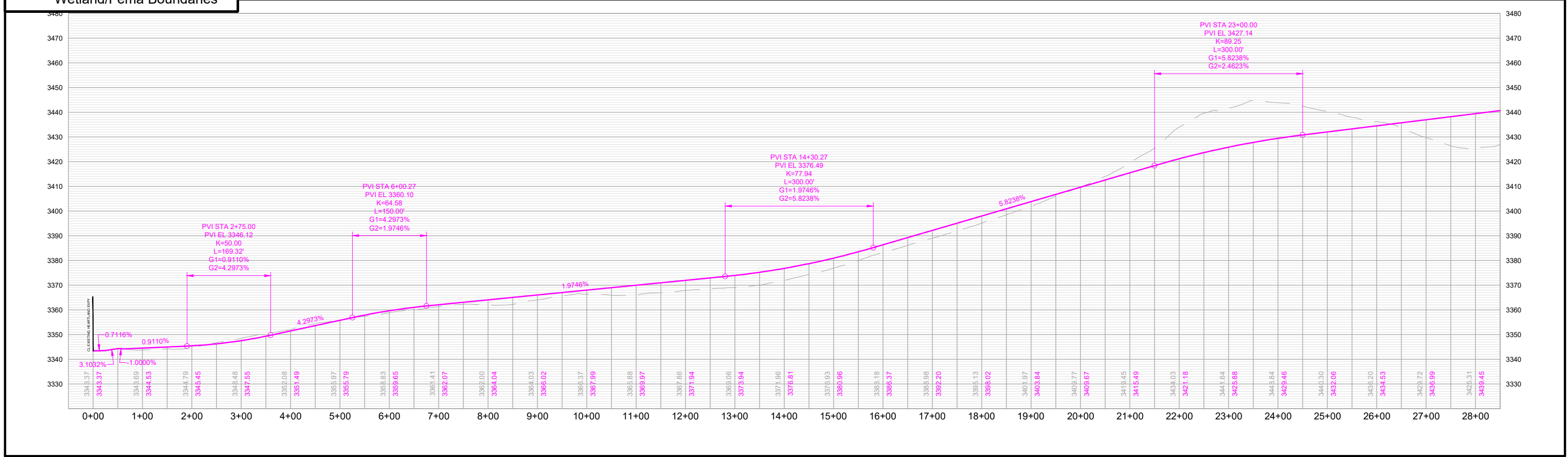
Isometric looking southwest at station 86+50

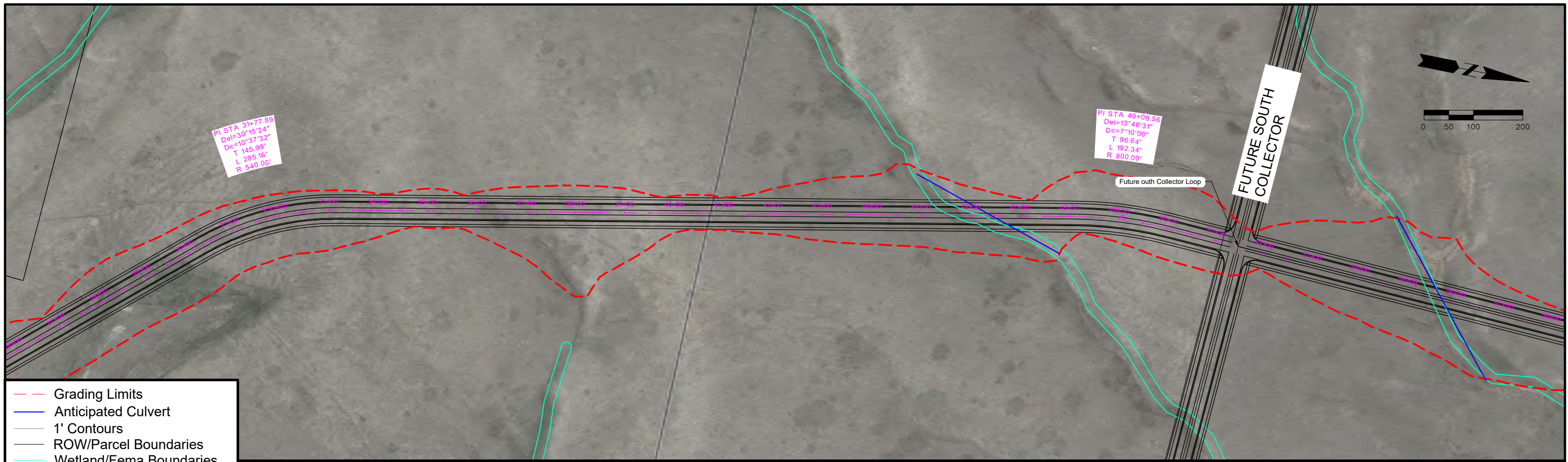


Segment Overview

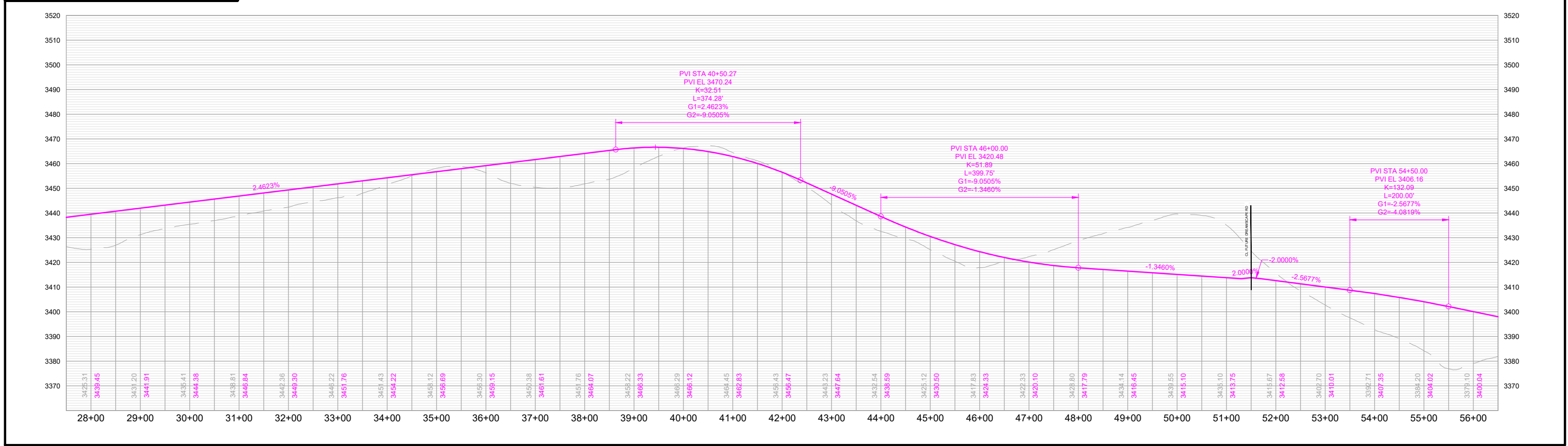
Proposed Typical Section 3 Lane Collector

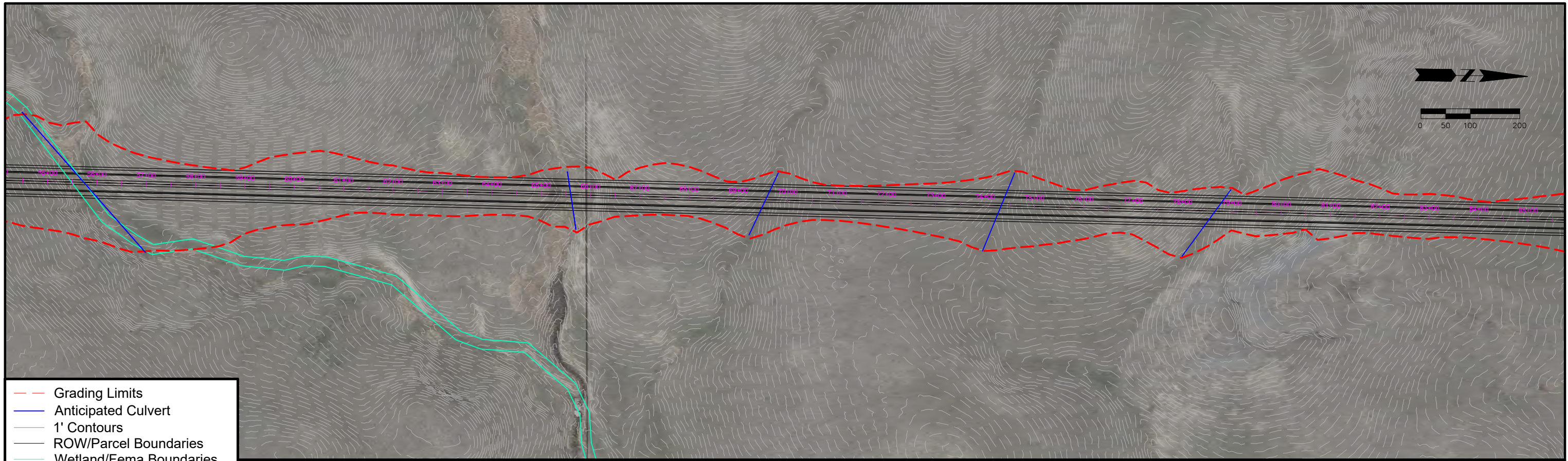




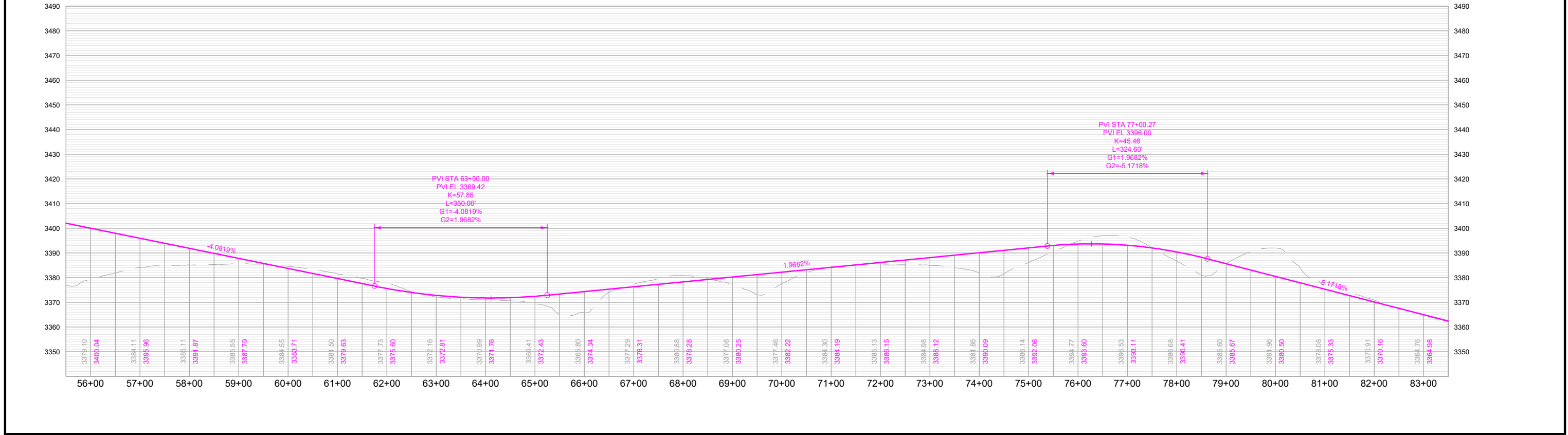


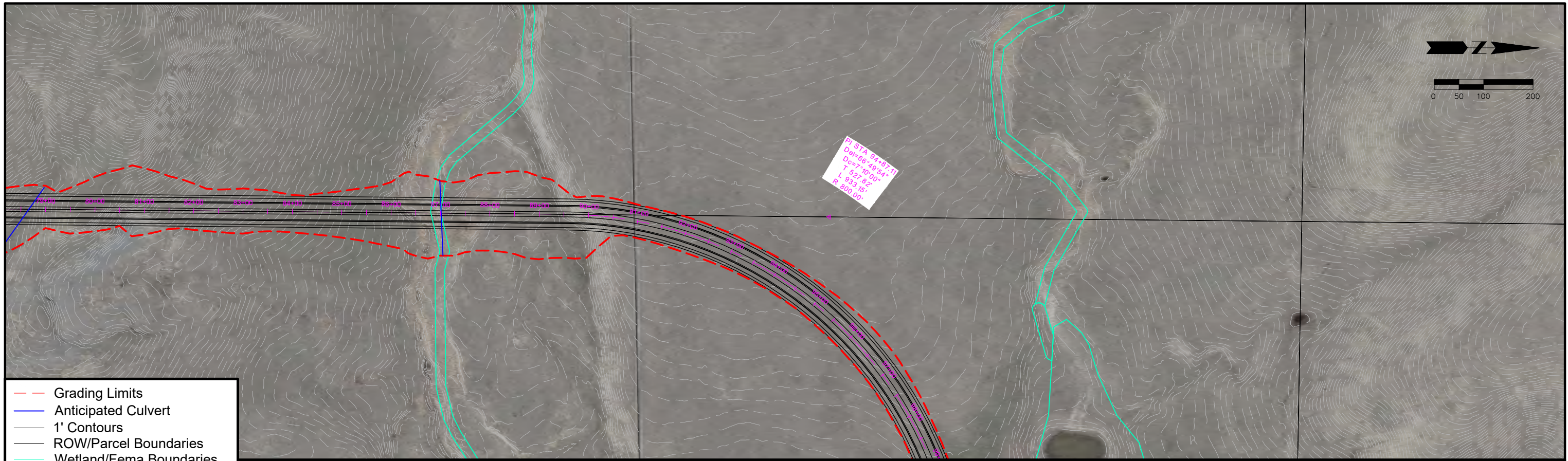
- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries



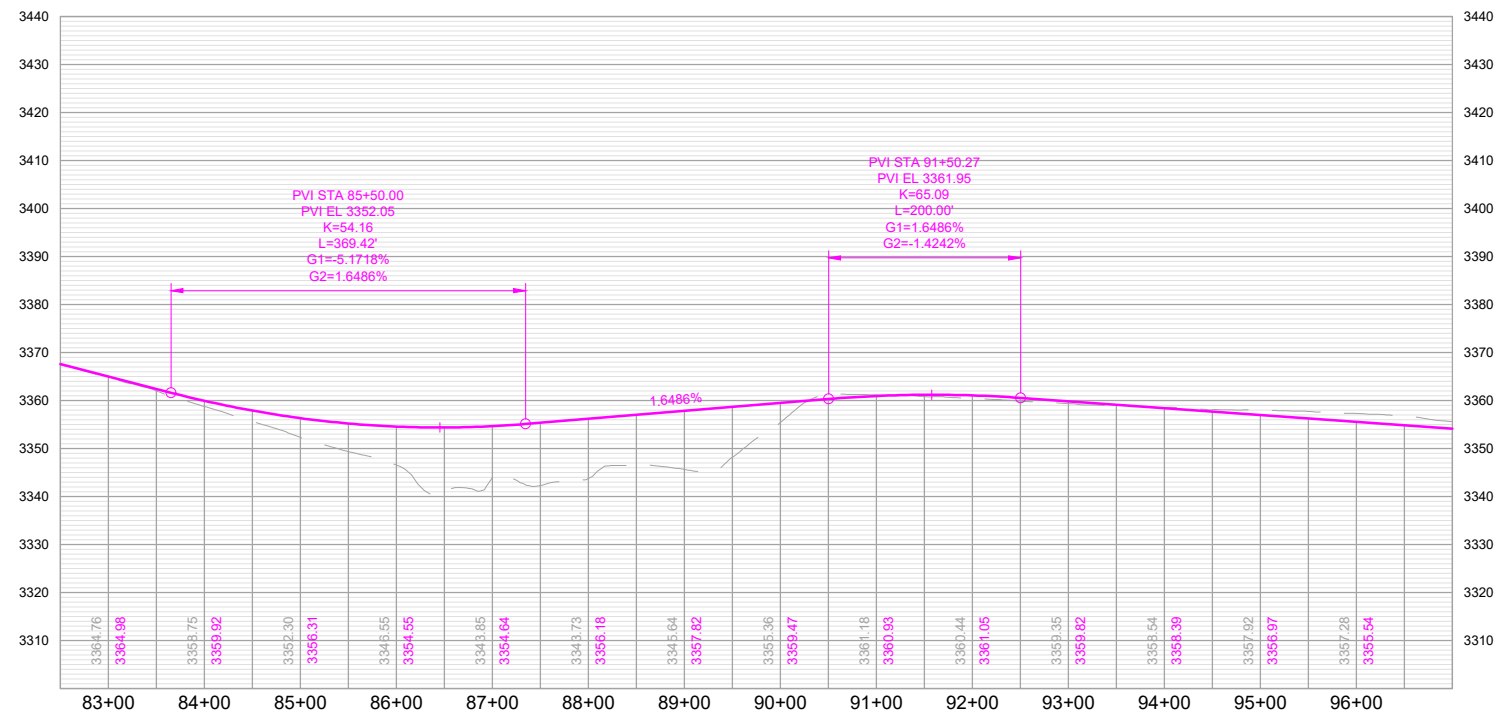


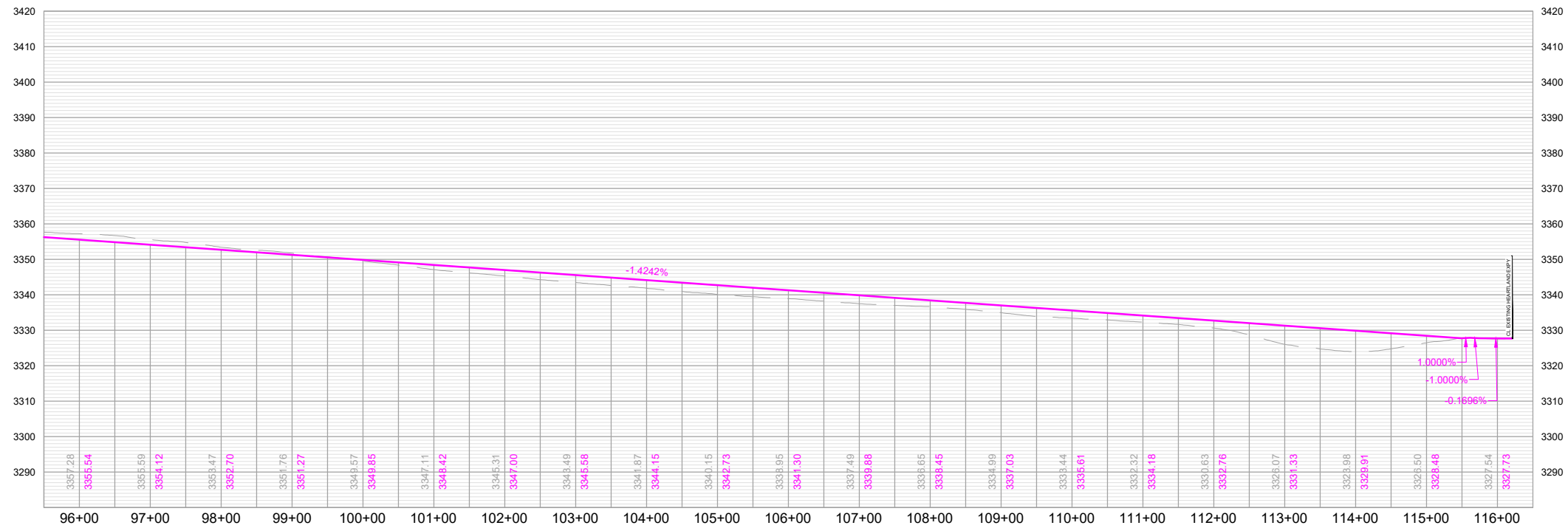
- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





Elm Avenue Catron Boulevard to Field View Drive

Classification: Minor Arterial

Corridor Length: 2,844 FT

Estimated Quantities

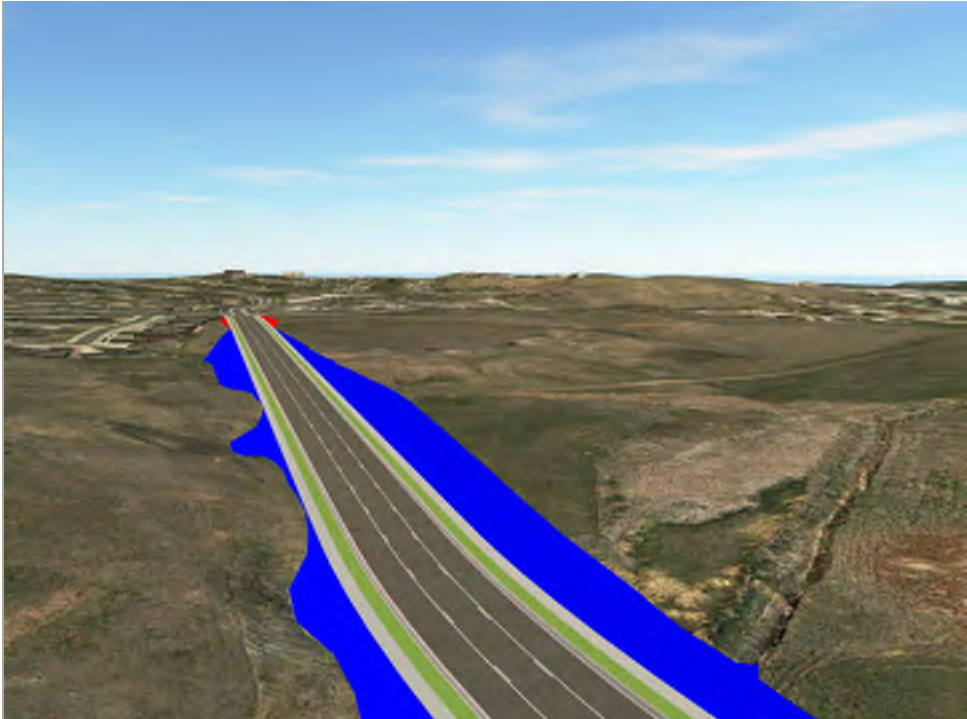
Road Surface: 11,376 SY

Earthwork Cut (Red): 14,864 CY

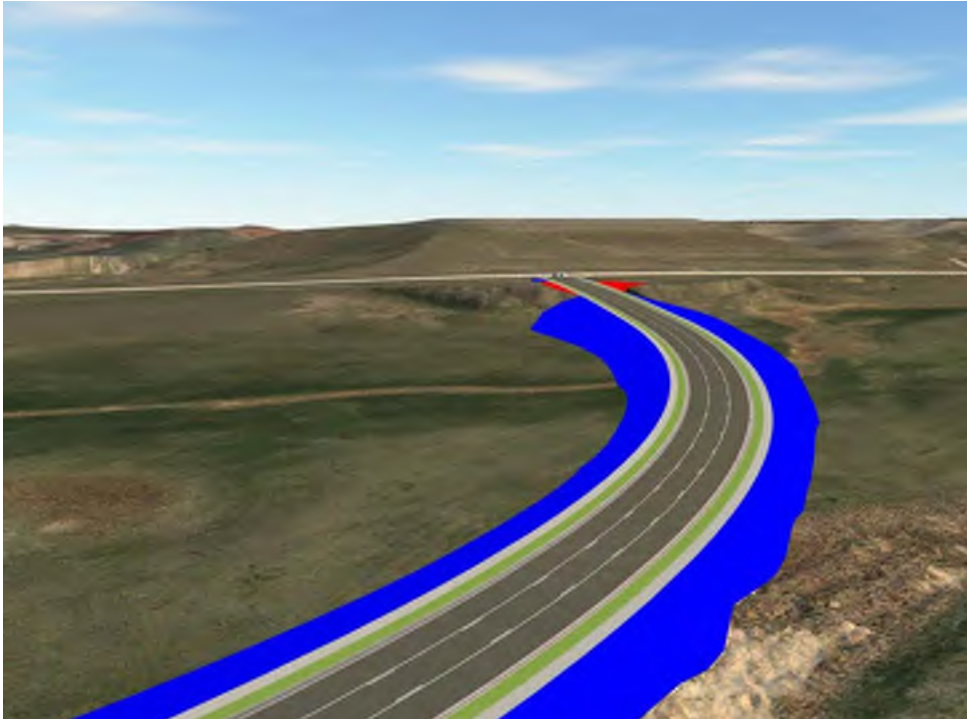
Earthwork Fill (Blue): 47,254 CY

Segment Considerations:

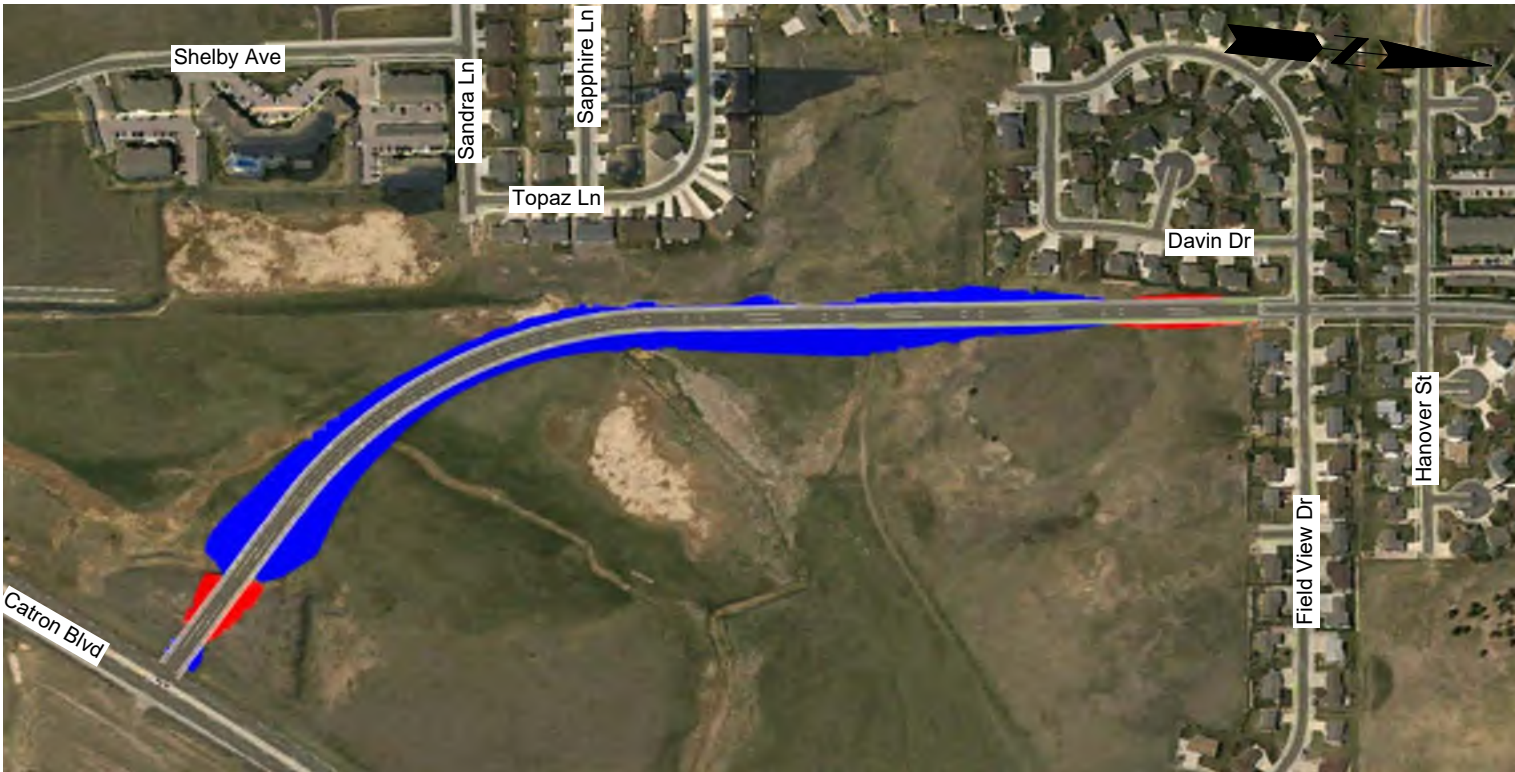
- Impacting the 100-year floodplain.
- Design speed – 45 MPH.



Isometric looking north at station 13+00



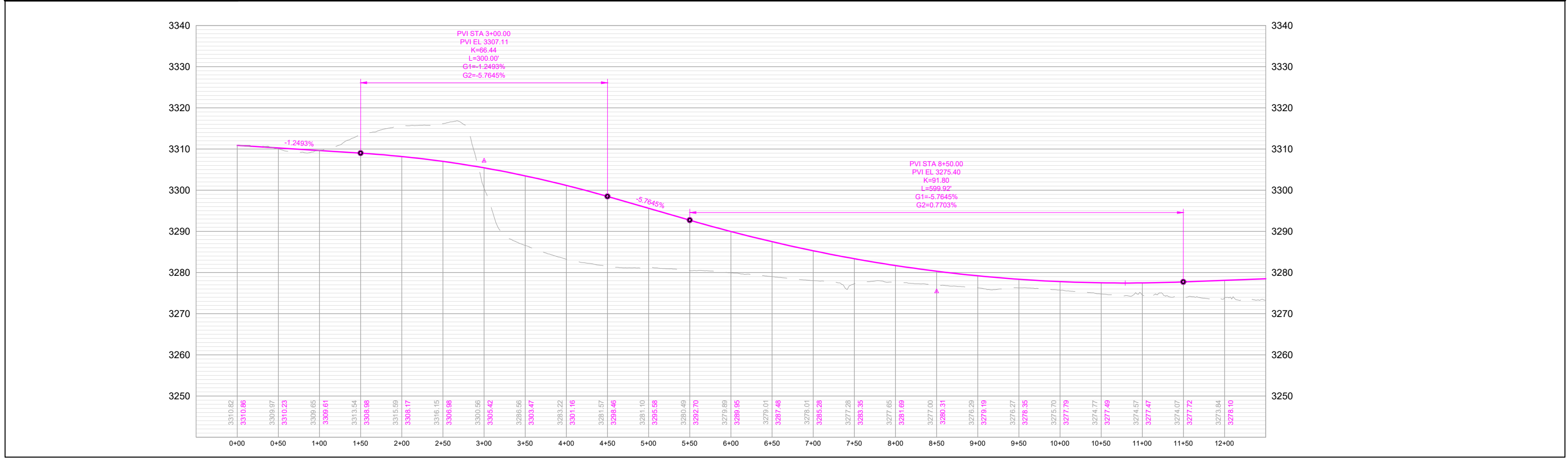
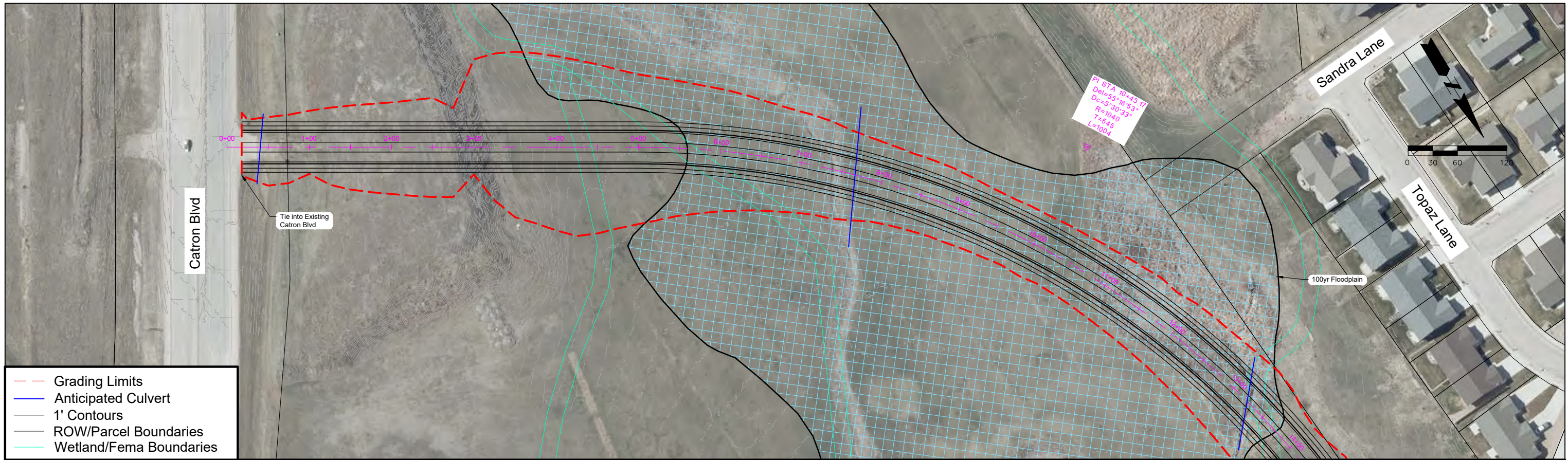
Isometric looking southeast at station 15+00

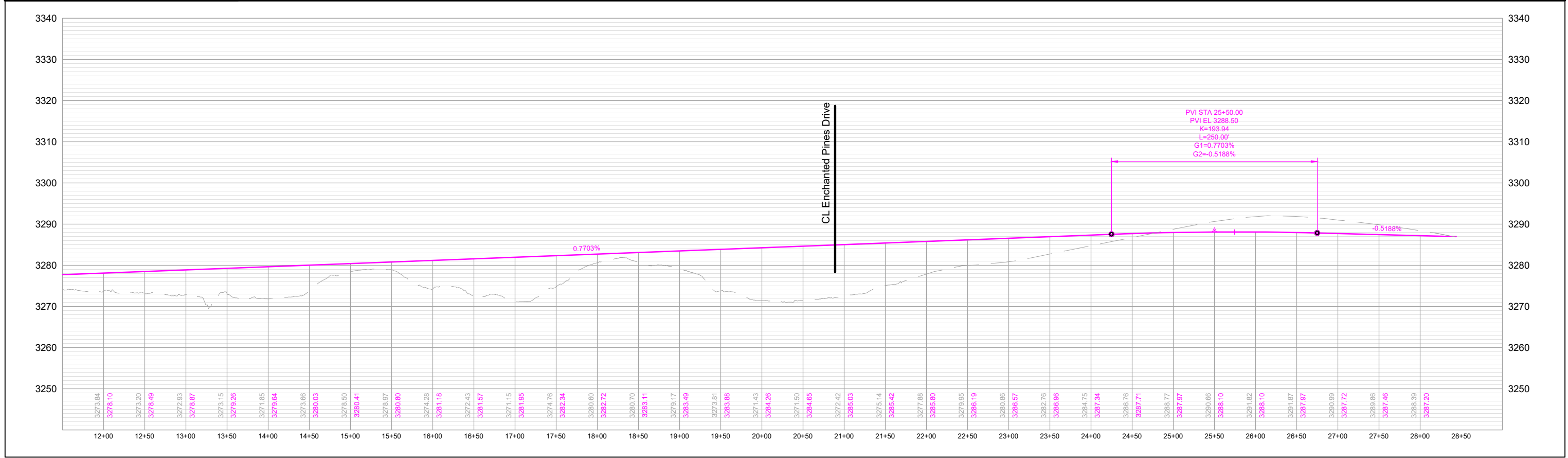
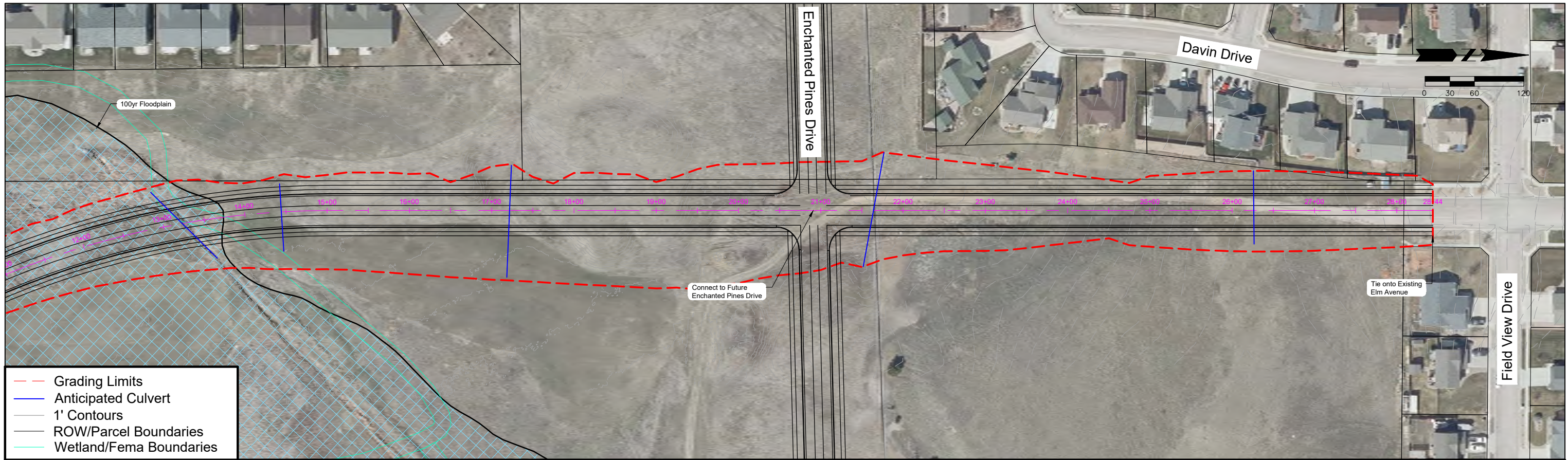


Segment Overview

Proposed Typical Section 3 Lane Minor Arterial







Enchanted Pines Drive

Gemstone Drive to Minnesota Street

Classification: Collector

Corridor Length: 4,995 FT

Estimated Quantities

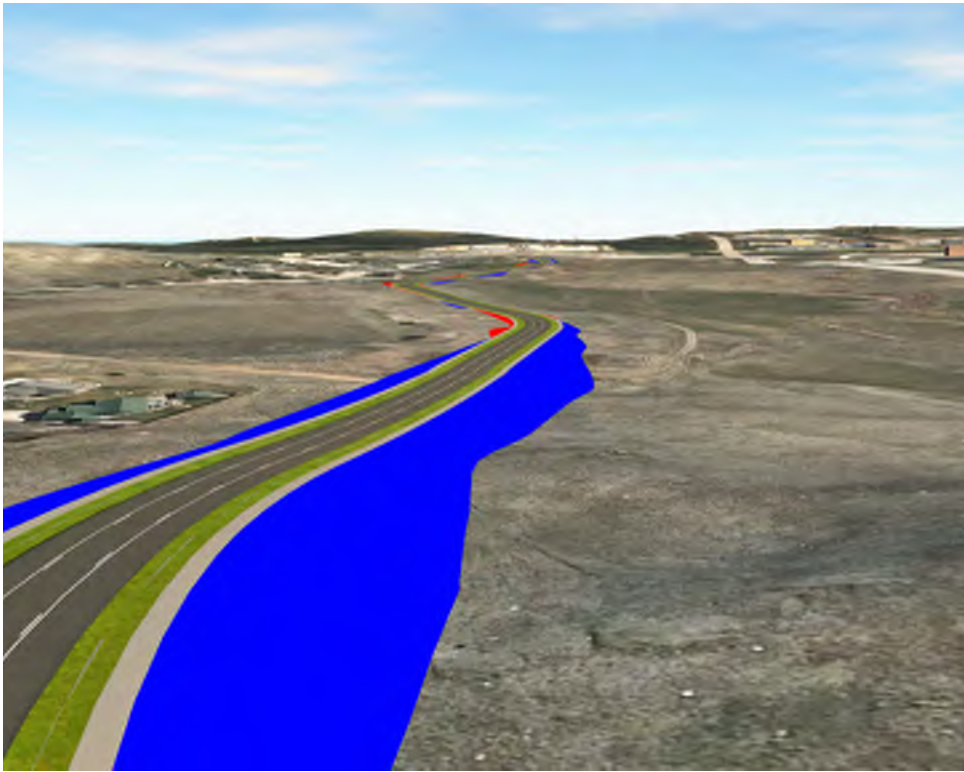
Road Surface: 17,760 SY

Earthwork Cut (Red): 9,347 CY

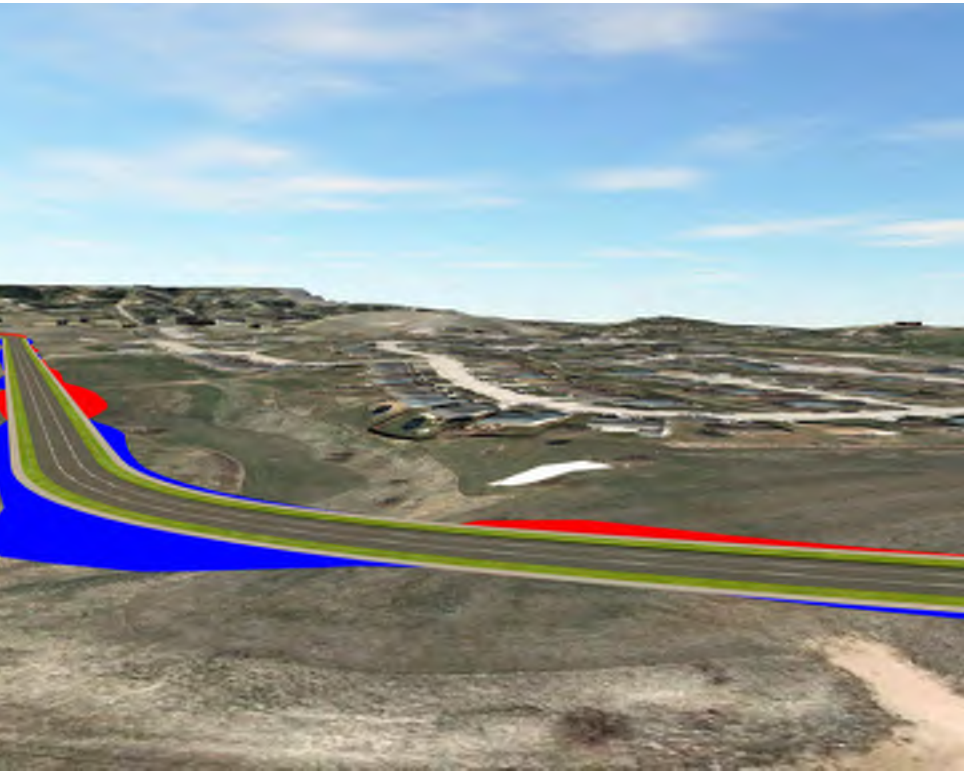
Earthwork Fill (Blue): 54,754 CY

Segment Considerations:

- Impacting the 100-year floodplain.
- Design speed – 35 MPH.



Isometric looking east at station 3+00



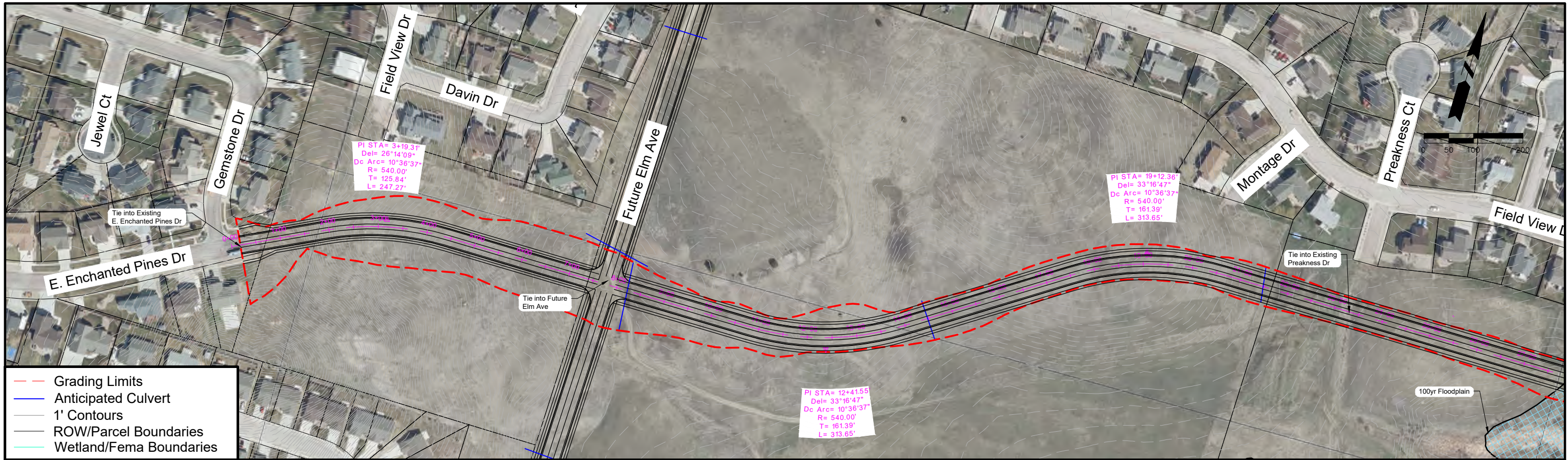
Isometric looking west at station 45+00



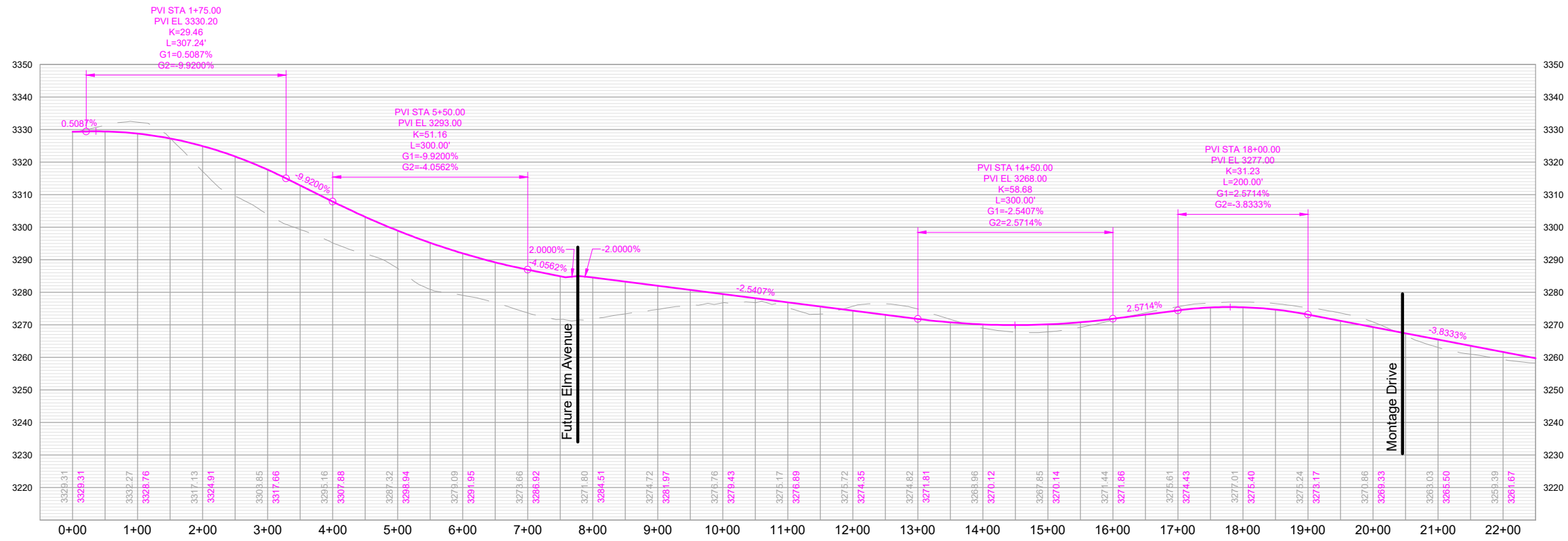
Segment Overview

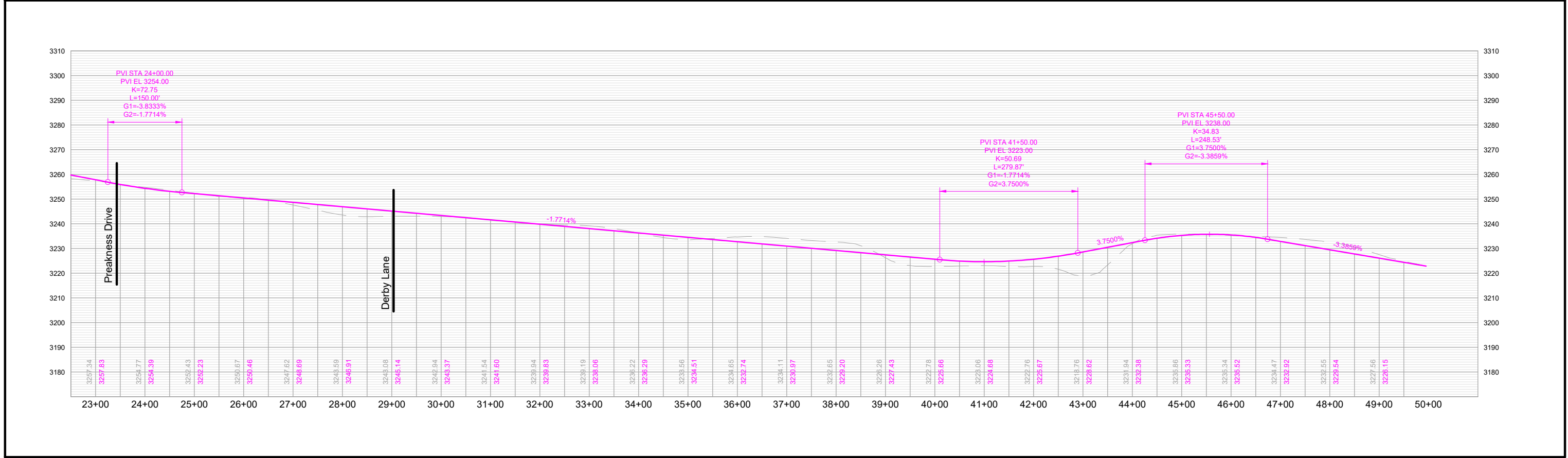
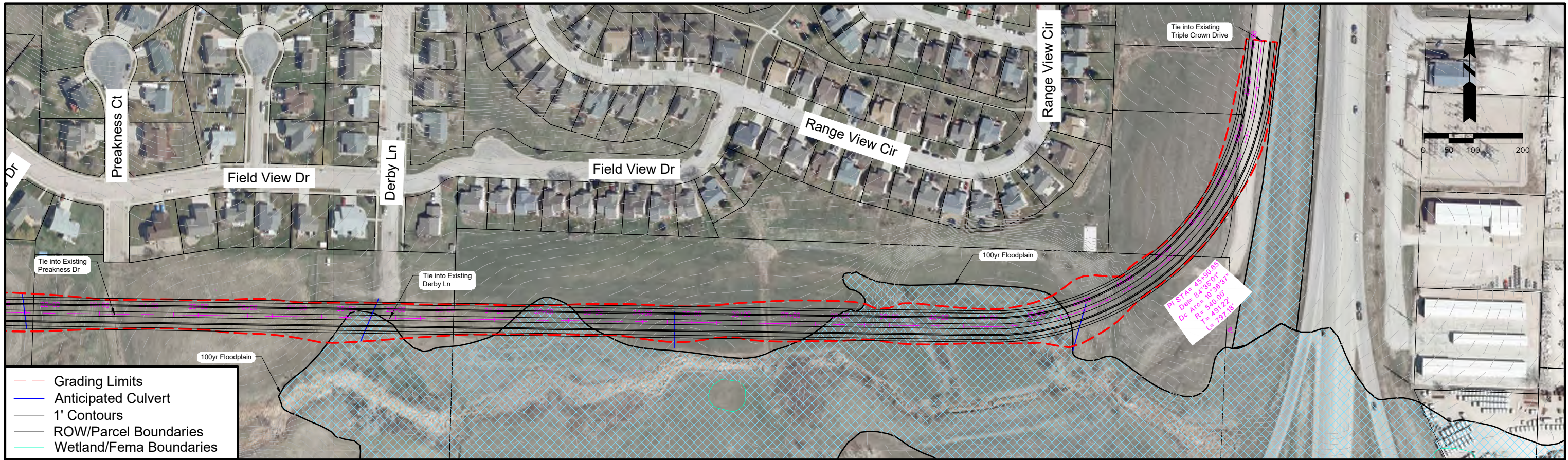
Proposed Typical Section 3 Lane Collector





- Grading Limits
- Anticipated Culvert
- 1' Contours
- ROW/Parcel Boundaries
- Wetland/Fema Boundaries





Creek Drive

Southern Terminus to Elk Vale Road

Classification: Minor Arterial

Corridor Length: 6,150 FT

Estimated Quantities

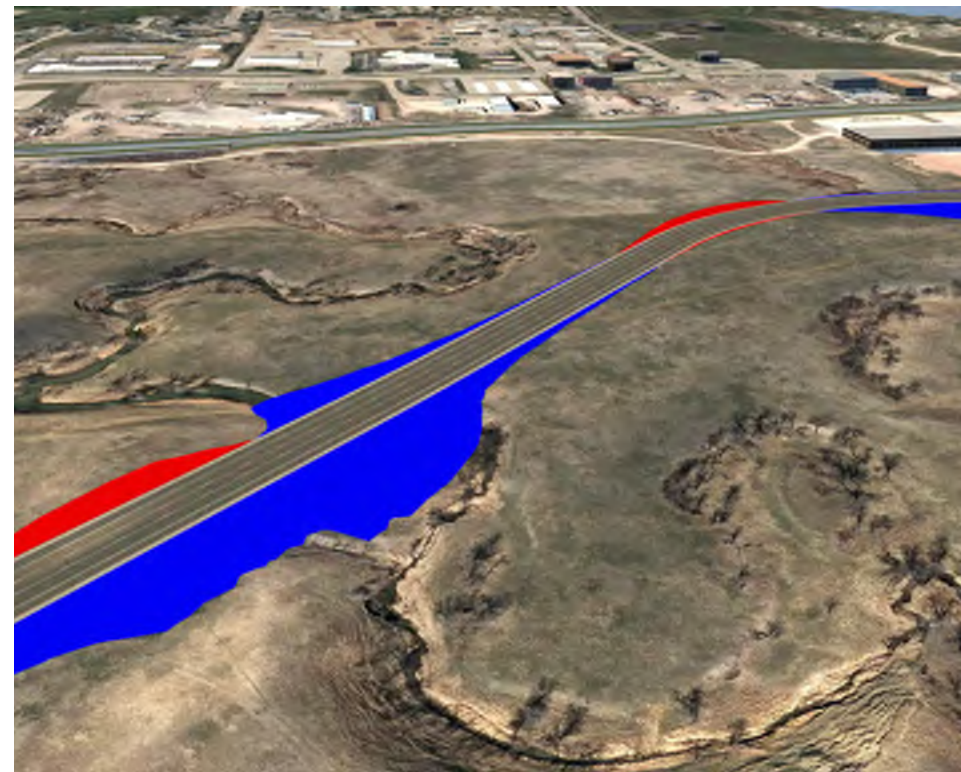
Road Surface: 24,600 SY

Earthwork Cut (Red): 19,722 CY

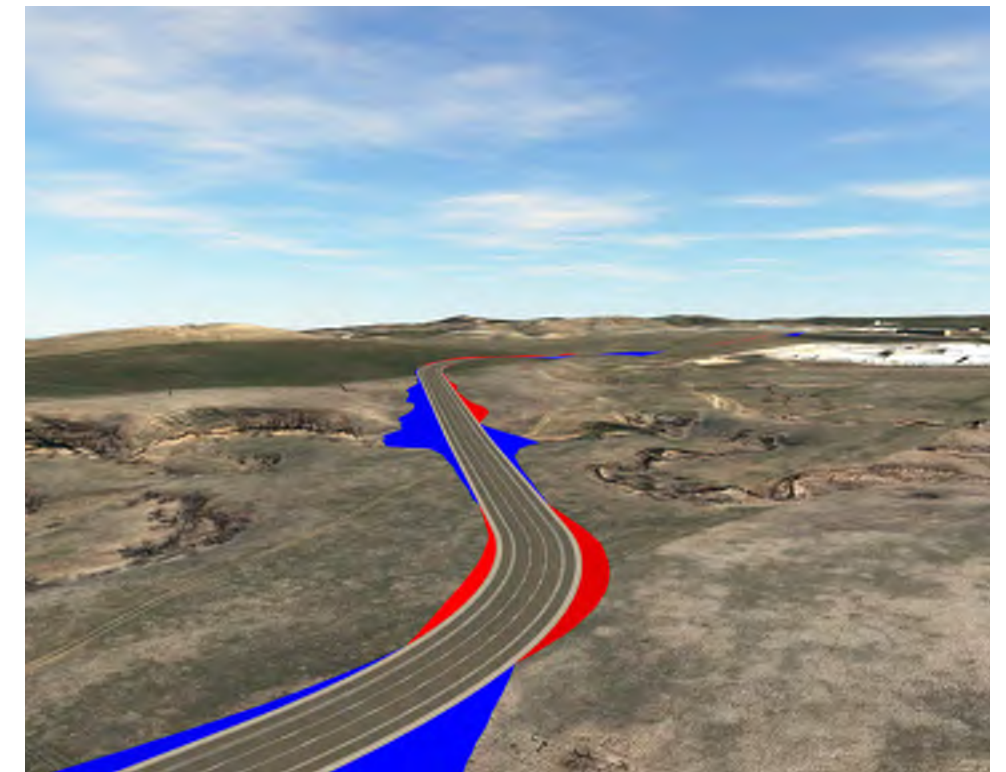
Earthwork Fill (Blue): 67,225 CY

Segment Considerations:

- Impacting the 100-year floodplain.
- Design speed – 45 MPH.



Isometric looking west at station 43+00



Isometric looking southeast at station 59+00



Segment Overview

Proposed Typical Section 3 Lane Minor Arterial



