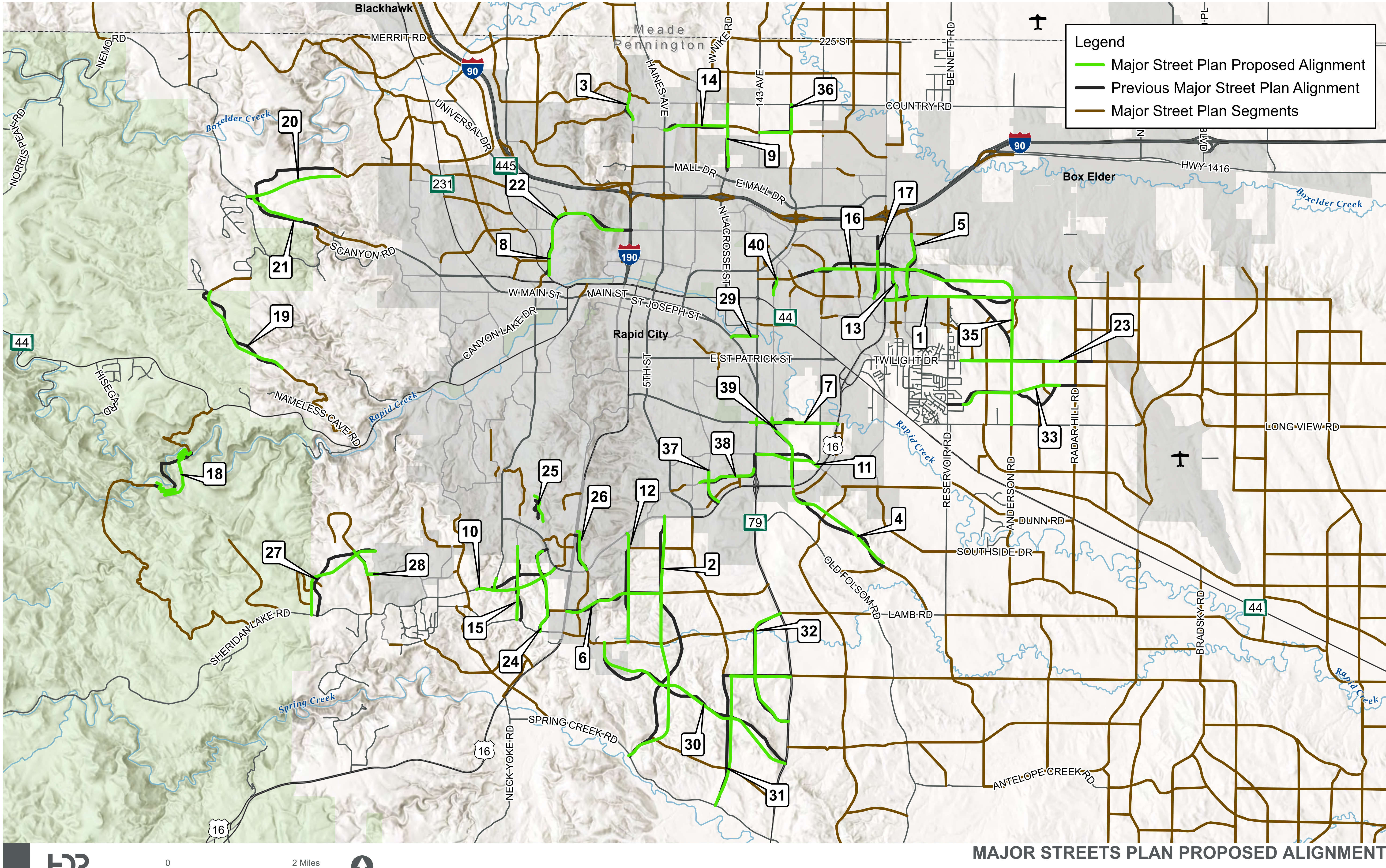
Major Street Plan Analysis and Update

Appendix A

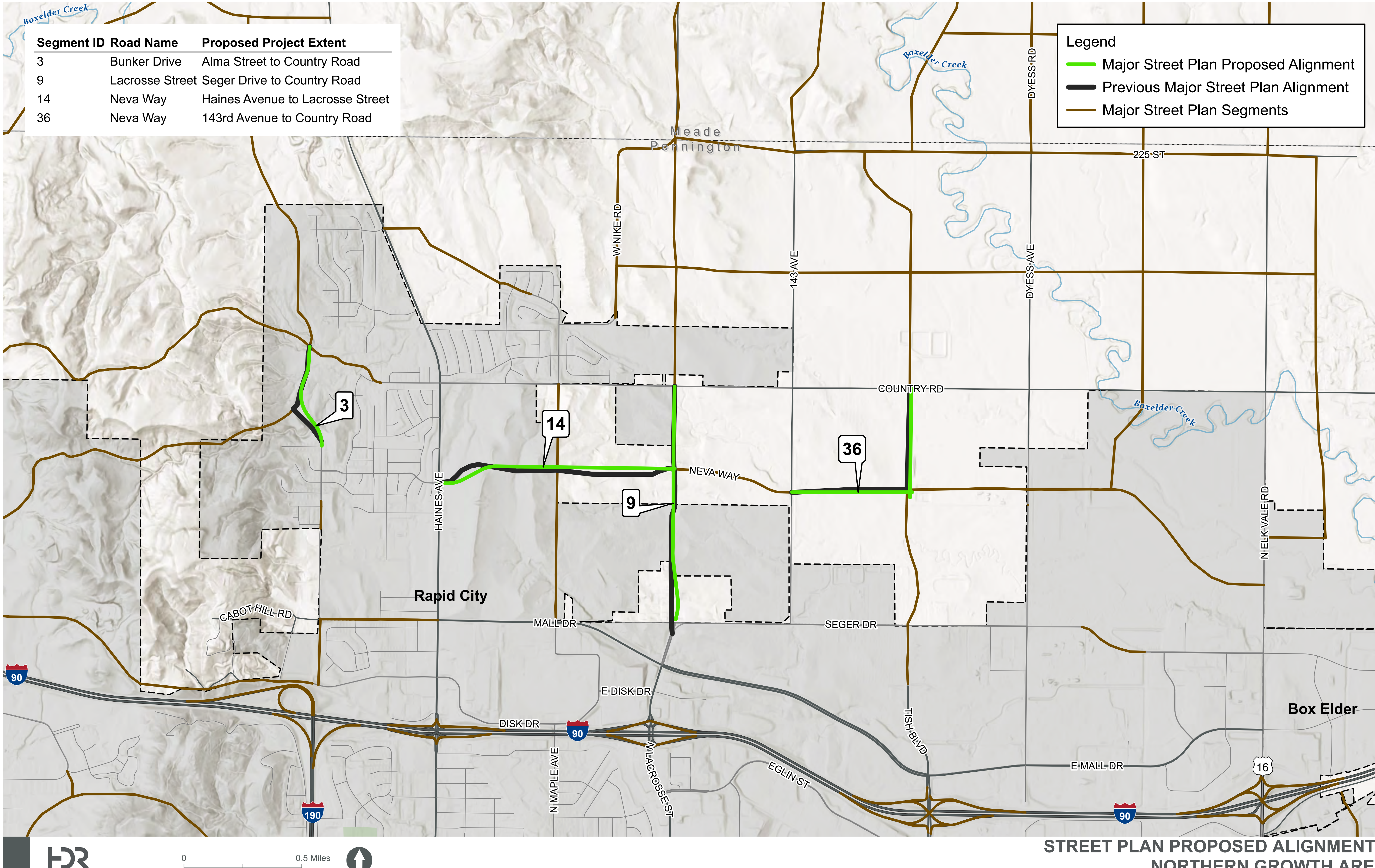
Plan and Profiles



MAJOR STREETS PLAN PROPOSED ALIGNMENTS

RAPID CITY, SOUTH DAKOTA

Northern Growth Area



Segment ID	Road Name	Proposed Project Extent
3	Bunker Drive	Alma Street to Country Road
9	Lacrosse Street	Seger Drive to Country Road
14	Neva Way	Haines Avenue to Lacrosse Street
36	Neva Way	143rd Avenue to Country Road

STREET PLAN PROPOSED ALIGNMENTS
NORTHERN GROWTH AREA

RAPID CITY, SOUTH DAKOTA

\\SXF-SRV01\ENG\GIS\PROJECTS\CITY_OF_RAPID\MSP_ANALYSIS_10368391\MAP_DOCS\RAPIDCITY_MSP_PRIORITIZATION_ALIGNMENTS.APRX DATE: 7/19/2024

Bunker Drive
Alma Street to Country Road

Classification: Collector

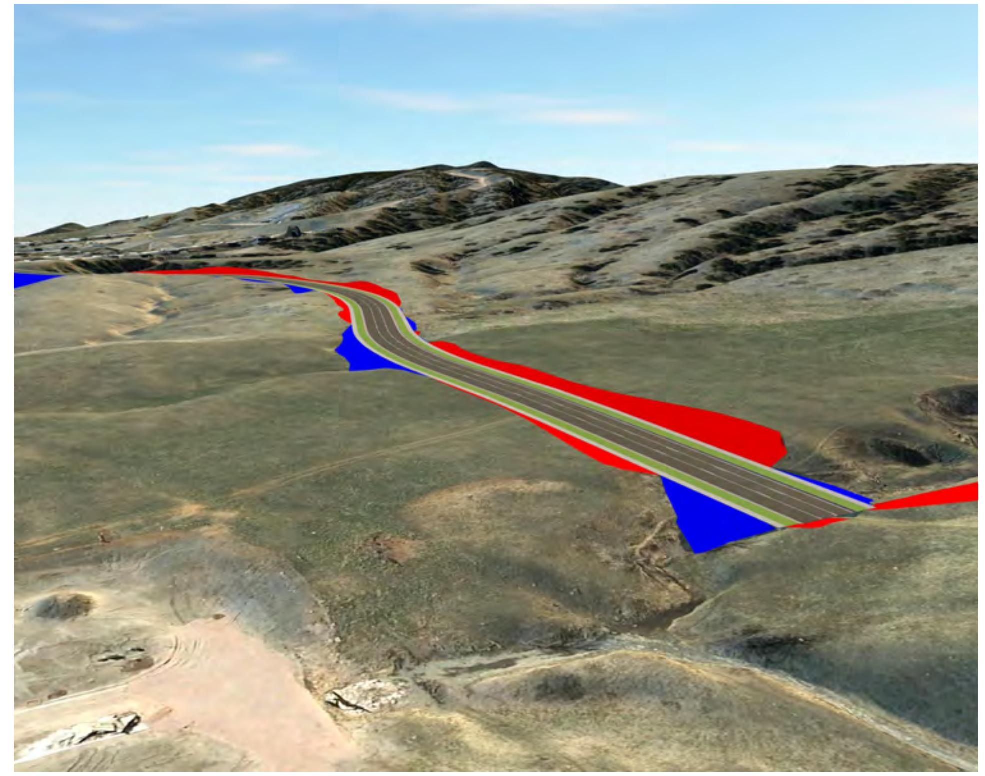
Corridor Length: 2,365 FT

Estimated Quantities

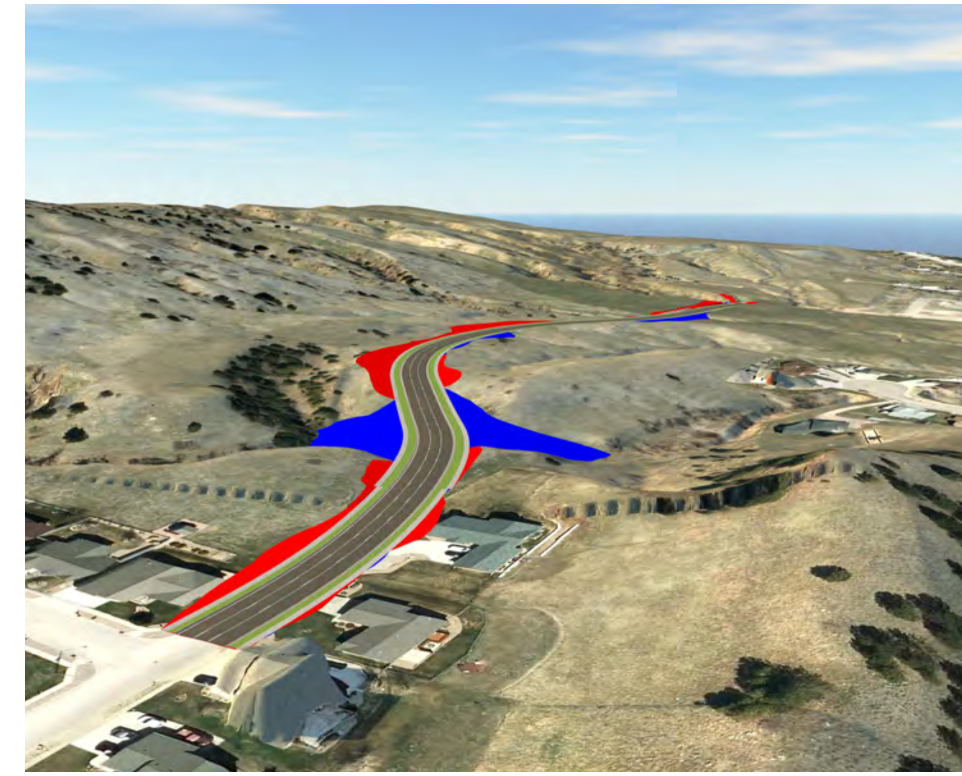
- **Road Surface:** 8,409 SY
- **Earthwork Cut (Red):** 16,196 CY
- **Earthwork Fill (Blue):** 46,600 CY

Segment Considerations:

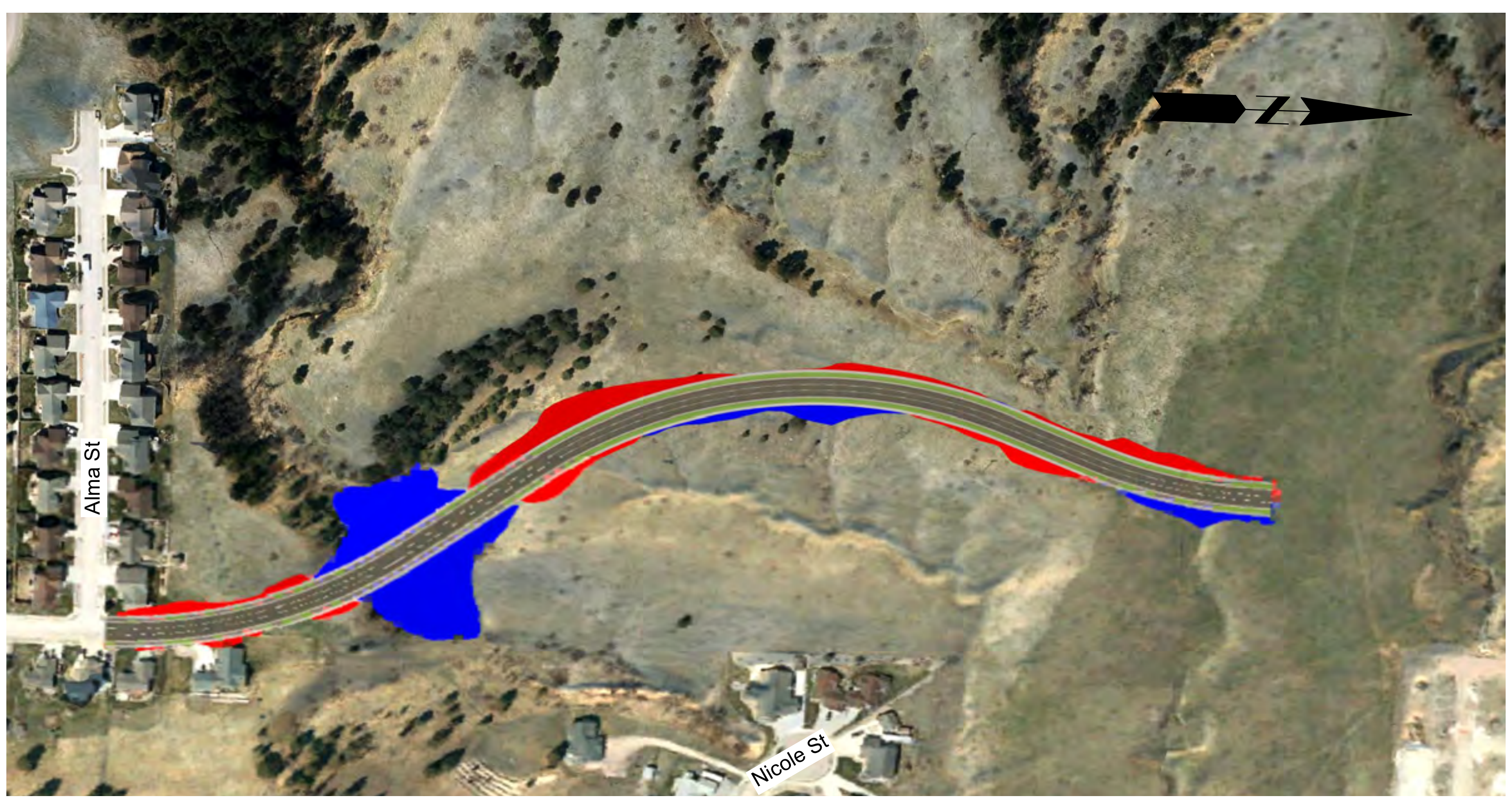
- Possible Retaining walls to limit existing developed property impacts.
- Design speed – 35 MPH.



Isometric looking south at station 24+00

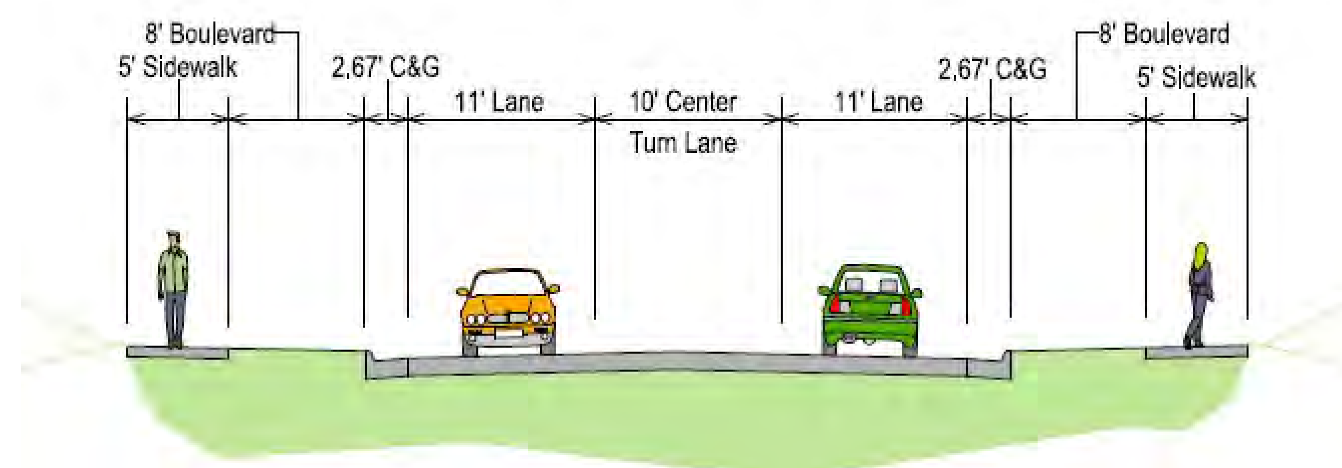


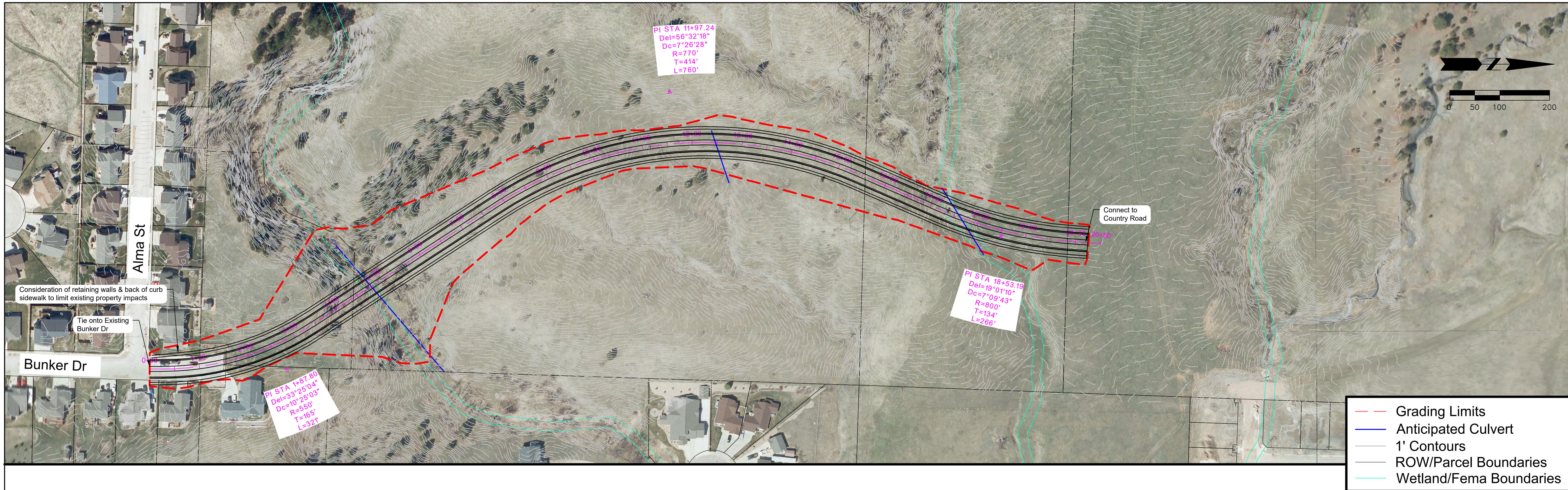
Isometric looking northwest at station 0+00

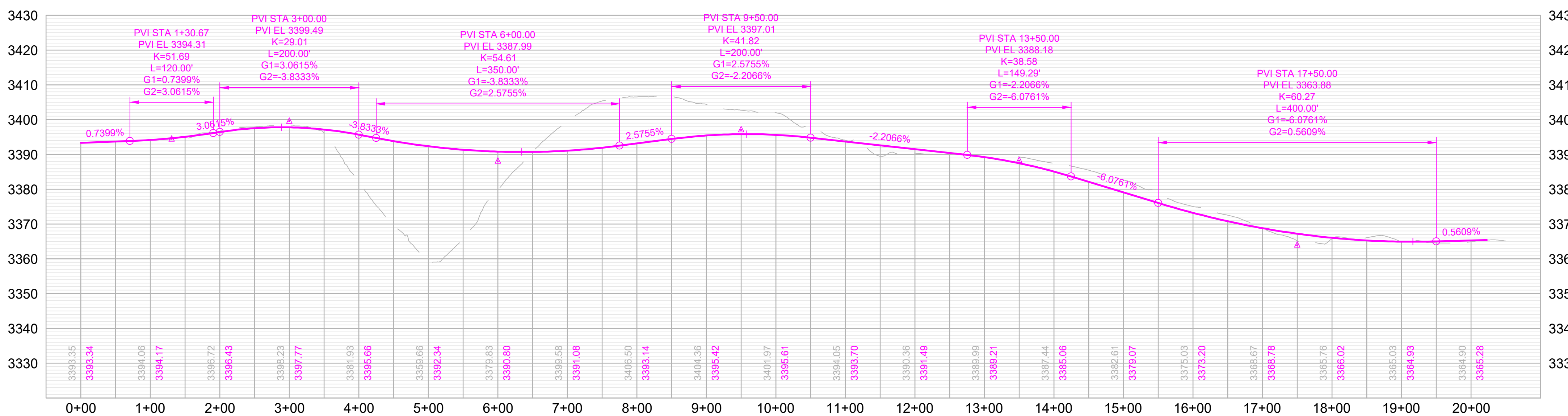


Segment Overview

Proposed Typical Section
3 Lane Collector







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Bunker Drive

Alma Street to Country Road

SHEET

1 of 1

N LaCrosse Street

Seger Drive to Country Road

Classification: Minor Arterial

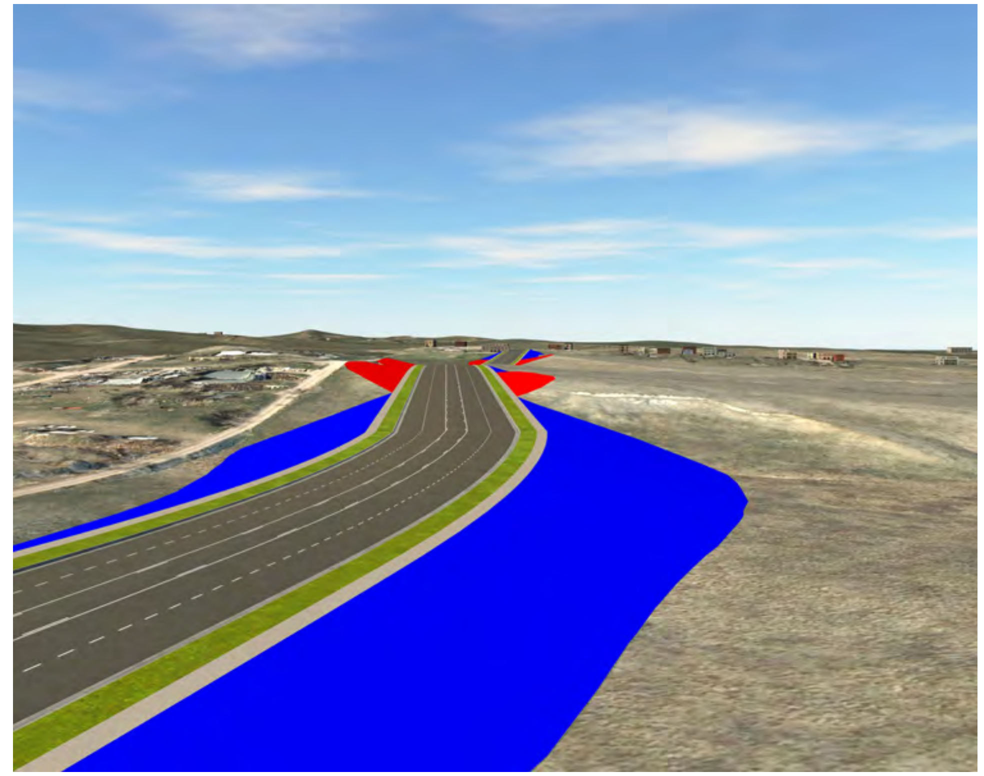
Corridor Length: 5,223 FT

Estimated Quantities

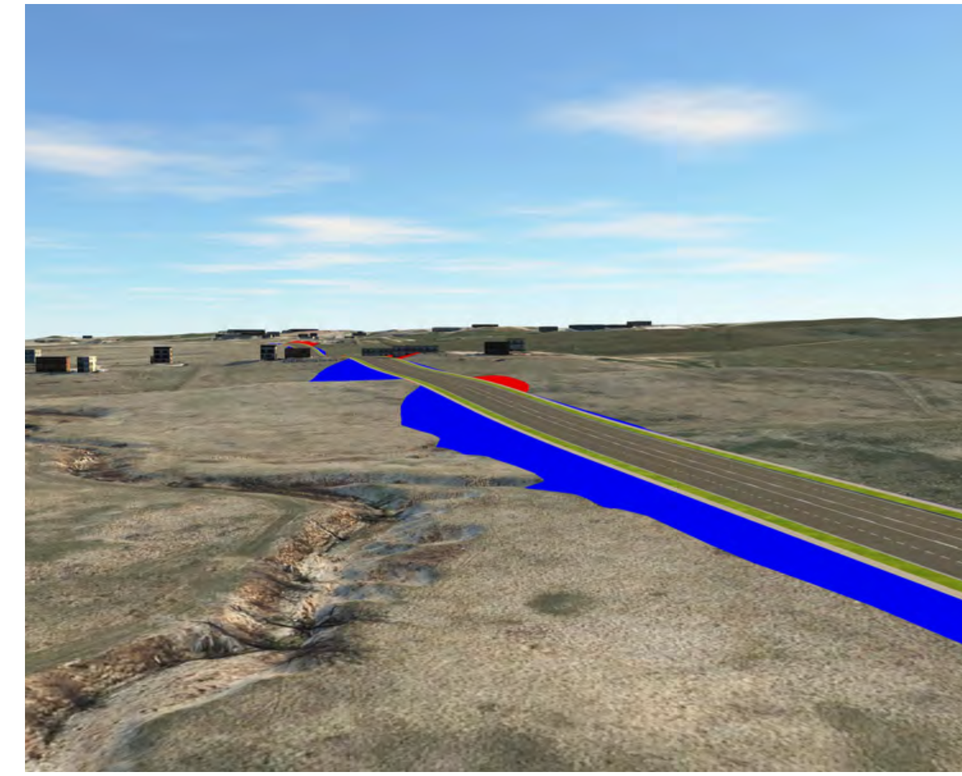
- **Road Surface:** 33,660 SY
- **Earthwork Cut (Red):** 37,136 CY
- **Earthwork Fill (Blue):** 190,143 CY

Segment Considerations:

- Proposed segment is extension of existing 5 lane section.
- Design speed – 45 MPH.



Isometric looking north at station 1+00

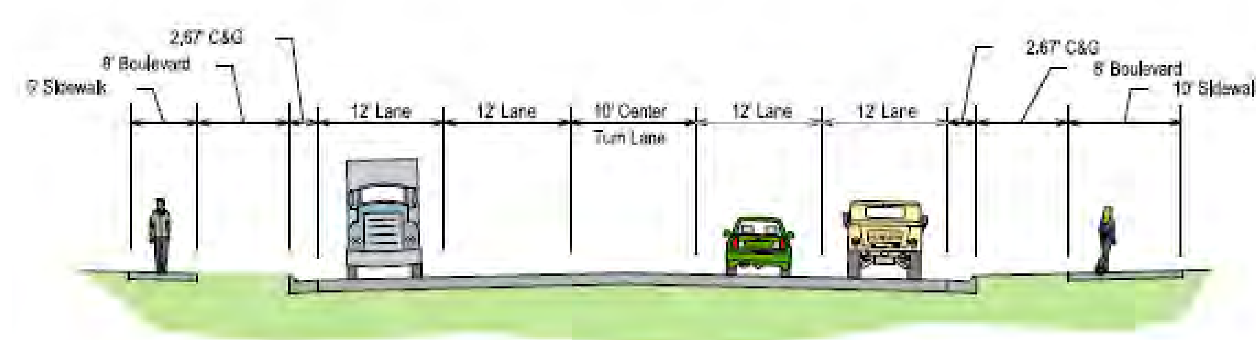


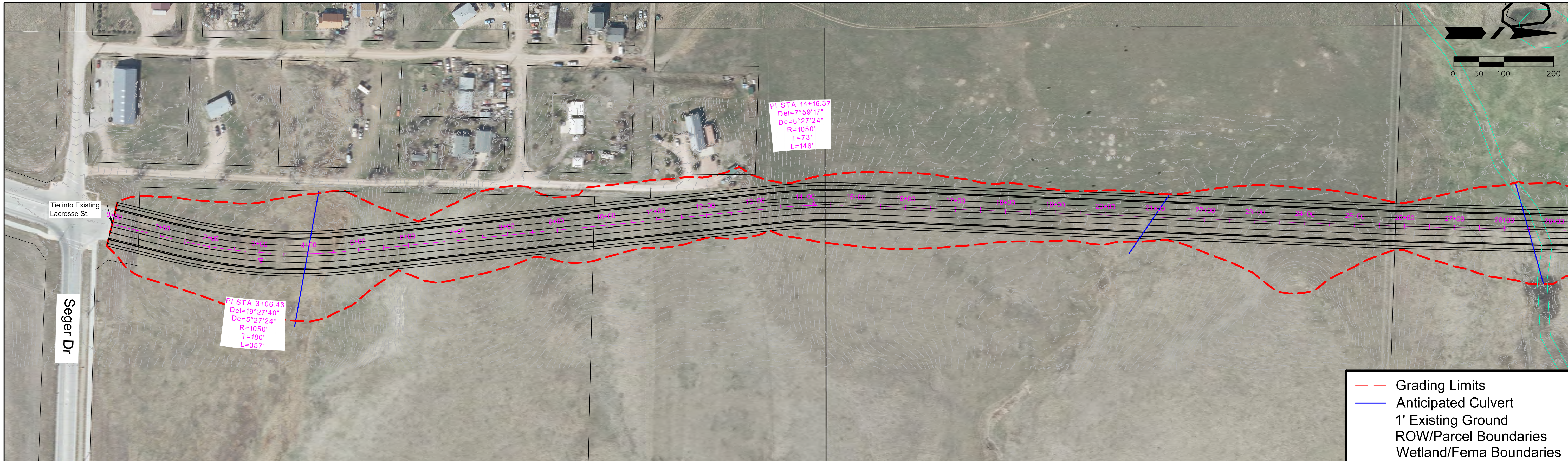
Isometric looking south at station 51+00

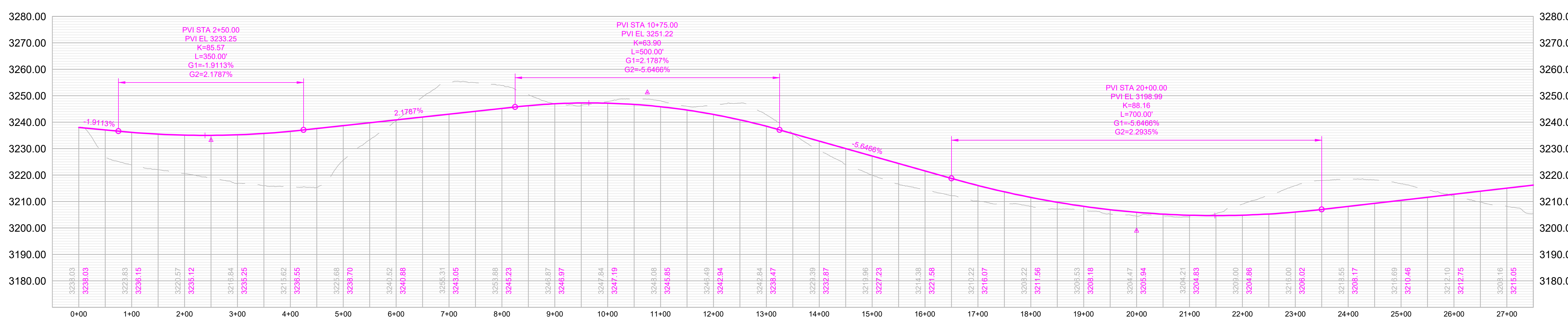
Segment Overview

Proposed Typical Section

5 Lane Minor Arterial







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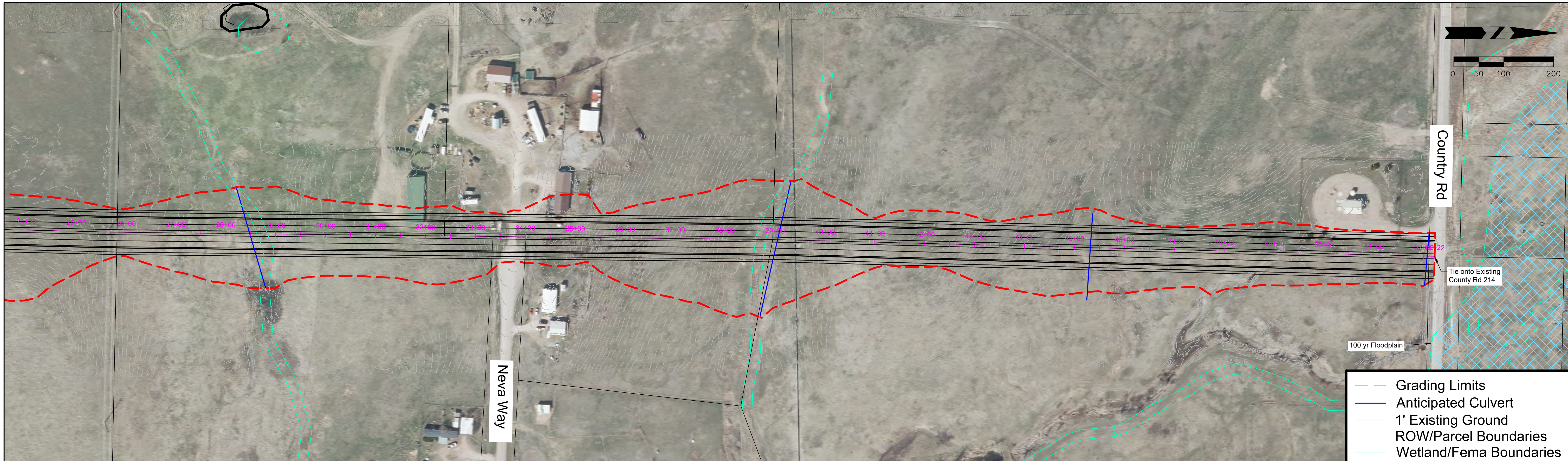
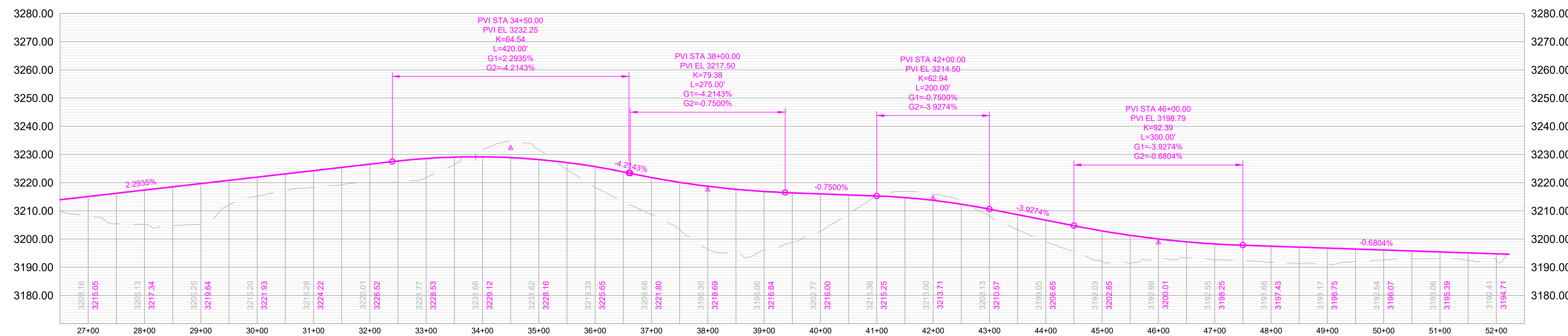
LaCrosse Street

Seger Dr to Country Rd

SHEET

1 of 2





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LaCrosse Street

Seger Dr to Country Rd

SHEET

Neva Way

Haines Avenue to LaCrosse Street

Classification: Collector

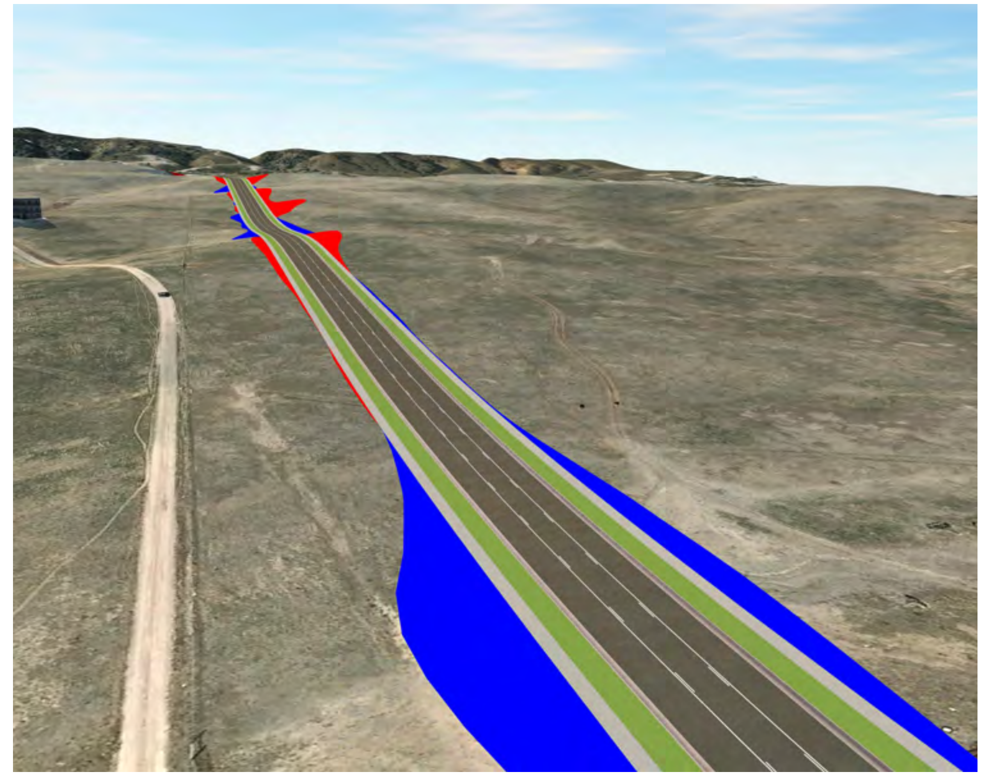
Corridor Length: 5,371 FT

Estimated Quantities

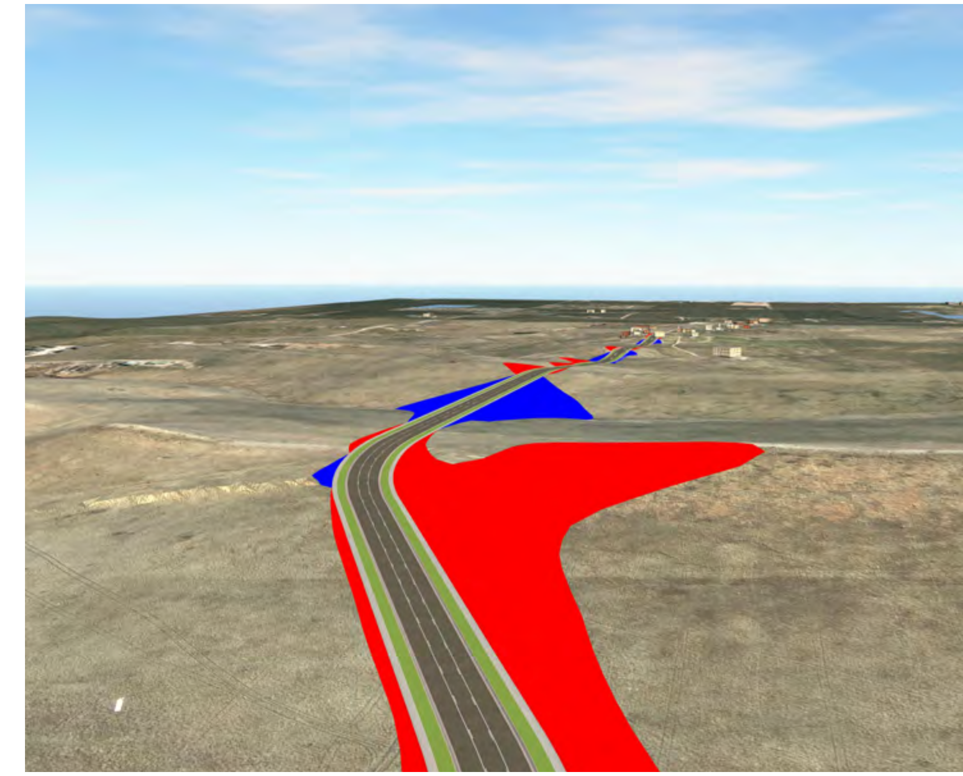
- Road Surface: 8,409 SY
- Earthwork Cut (Red): 68,102 CY
- Earthwork Fill (Blue): 121,750 CY

Segment Considerations:

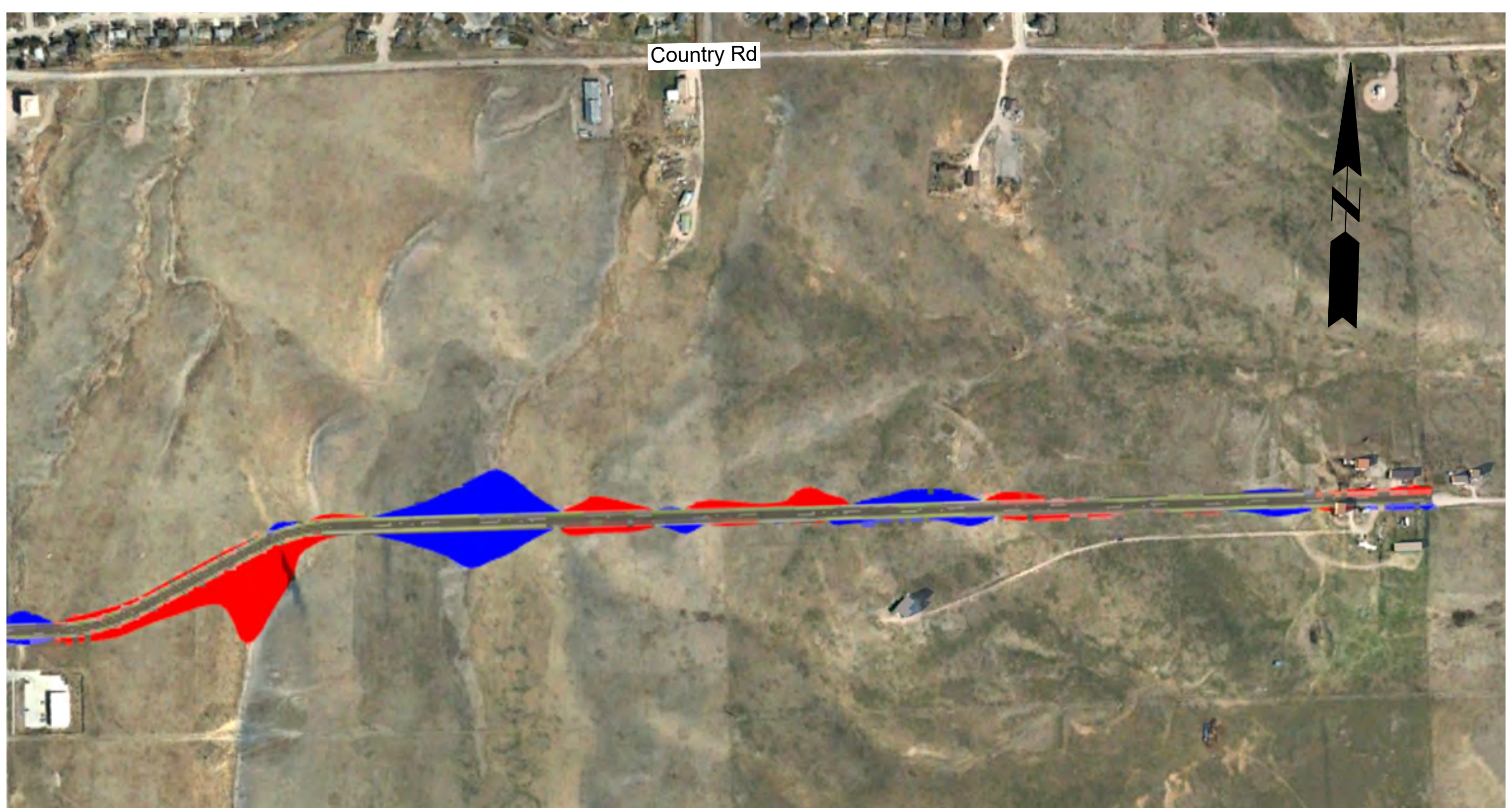
- Design speed – 35 MPH.



Isometric looking west at station 48+00



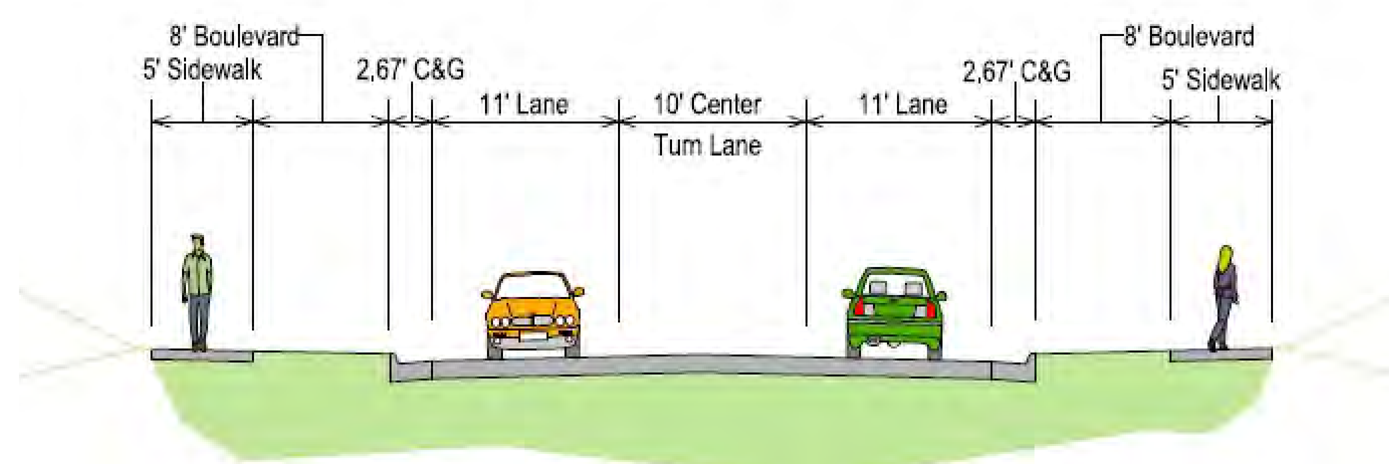
Isometric looking east at station 9+00

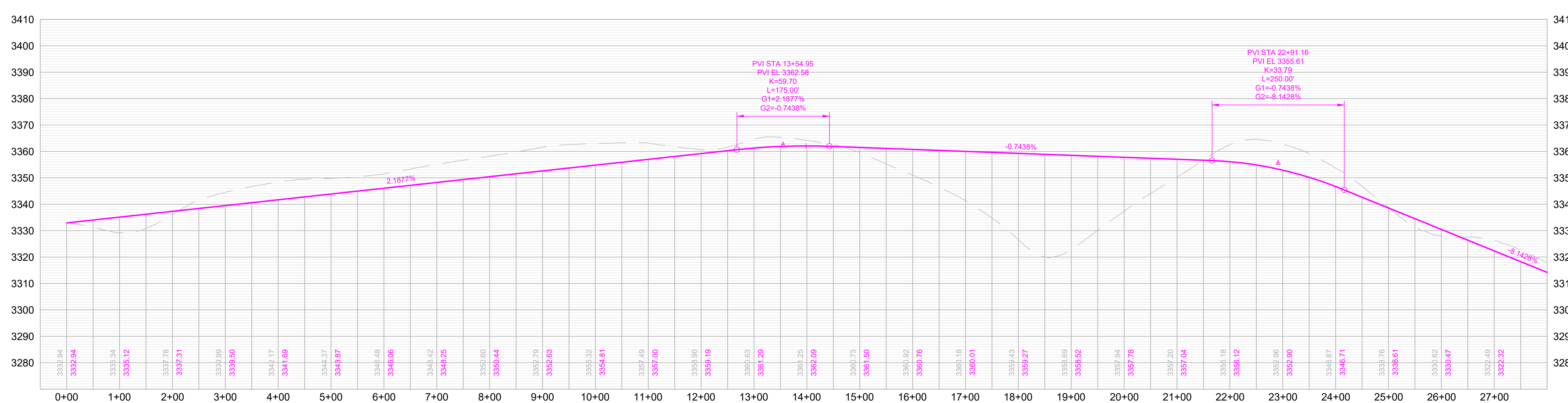


Segment Overview

Proposed Typical Section

3 Lane Collector





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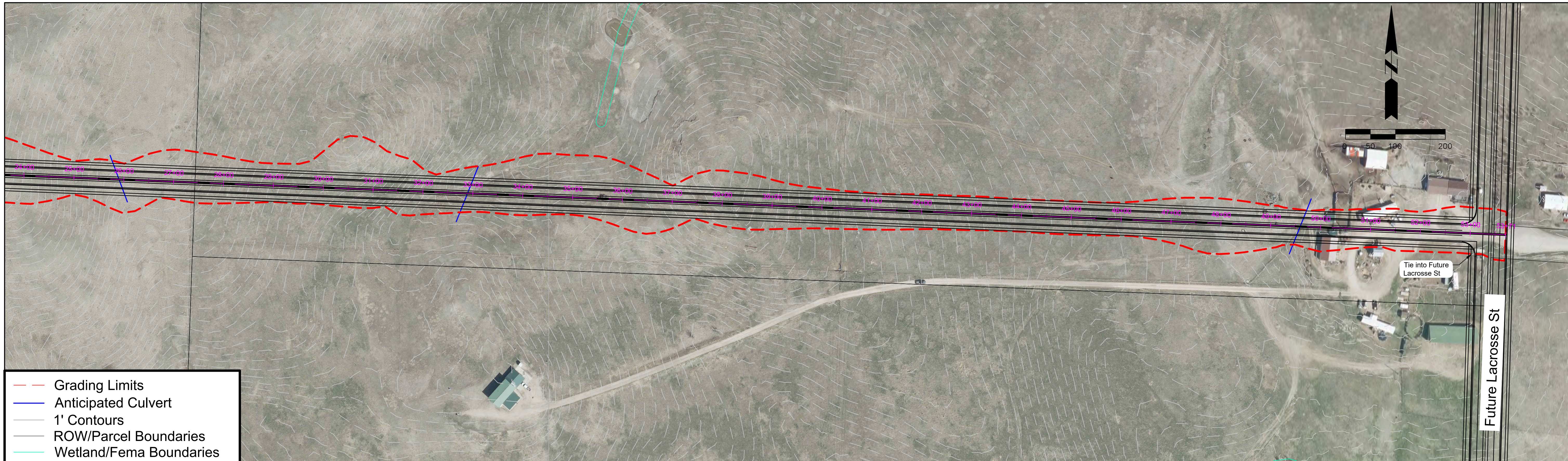
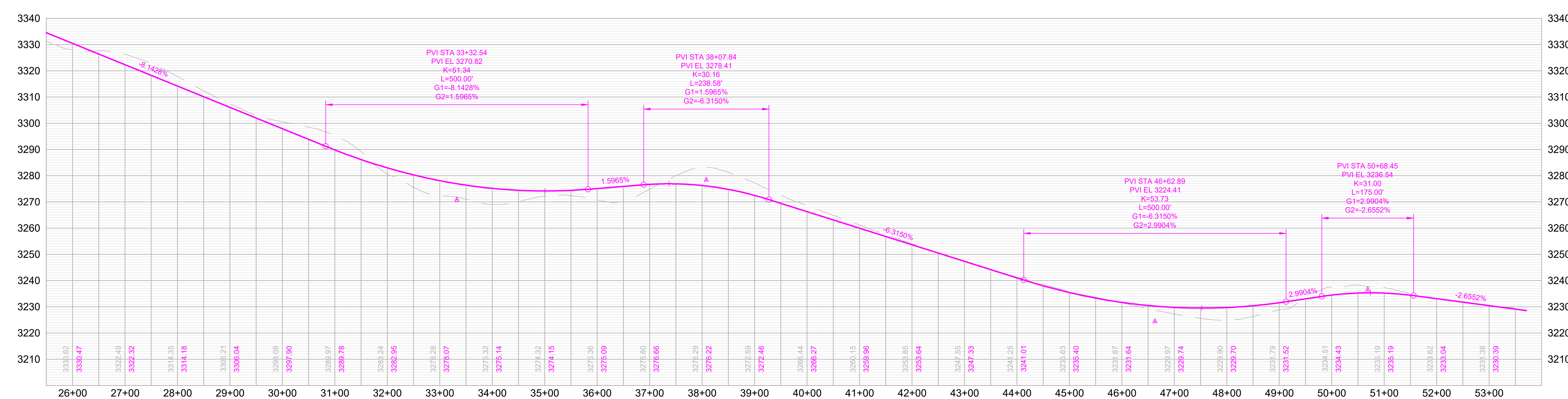
Neva Way

Haines Ave to LaCrosse St

SHEET





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Neva Way

Haines Ave to LaCrosse St

SHEET

2 of 2

Neva Way
143rd Avenue to Country Road

Classification: Collector/Minor Arterial

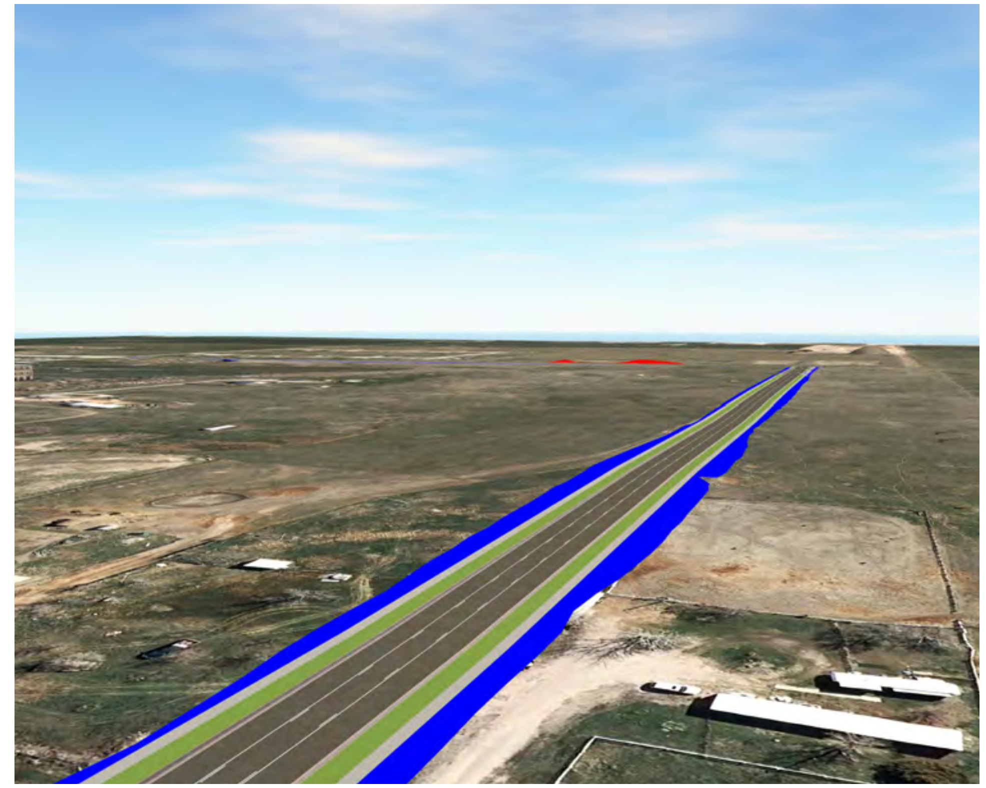
Corridor Length: 5,019 FT

Estimated Quantities

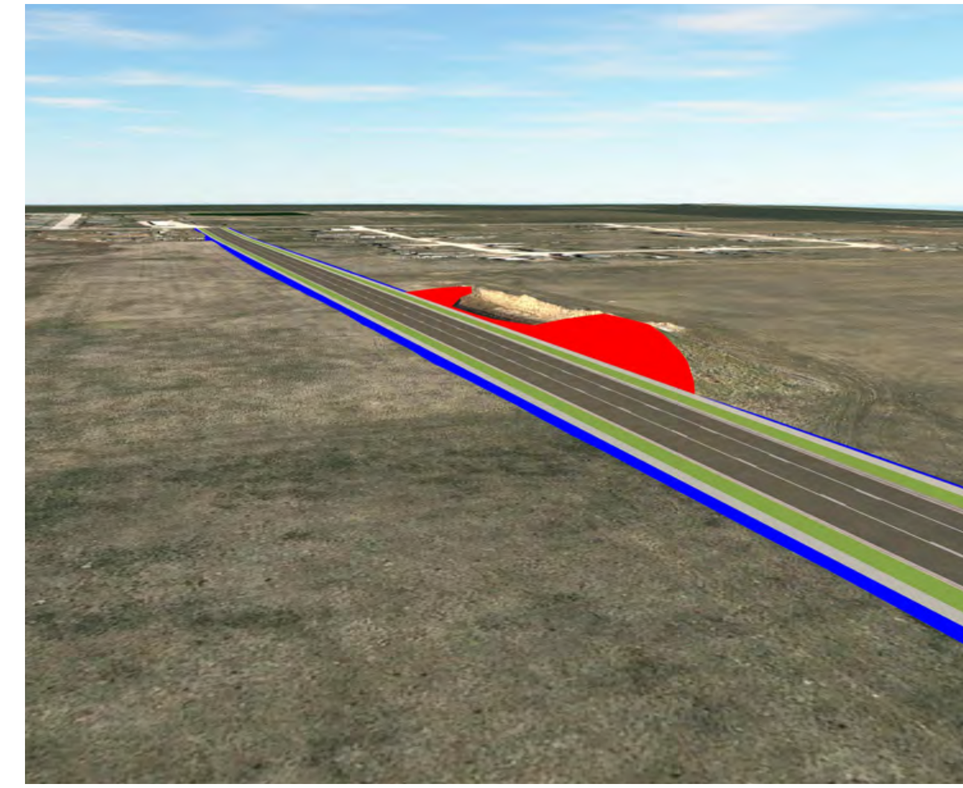
- **Road Surface:** 18,900 SY
- **Earthwork Cut (Red):** 2,672 CY
- **Earthwork Fill (Blue):** 38,155 CY

Segment Considerations:

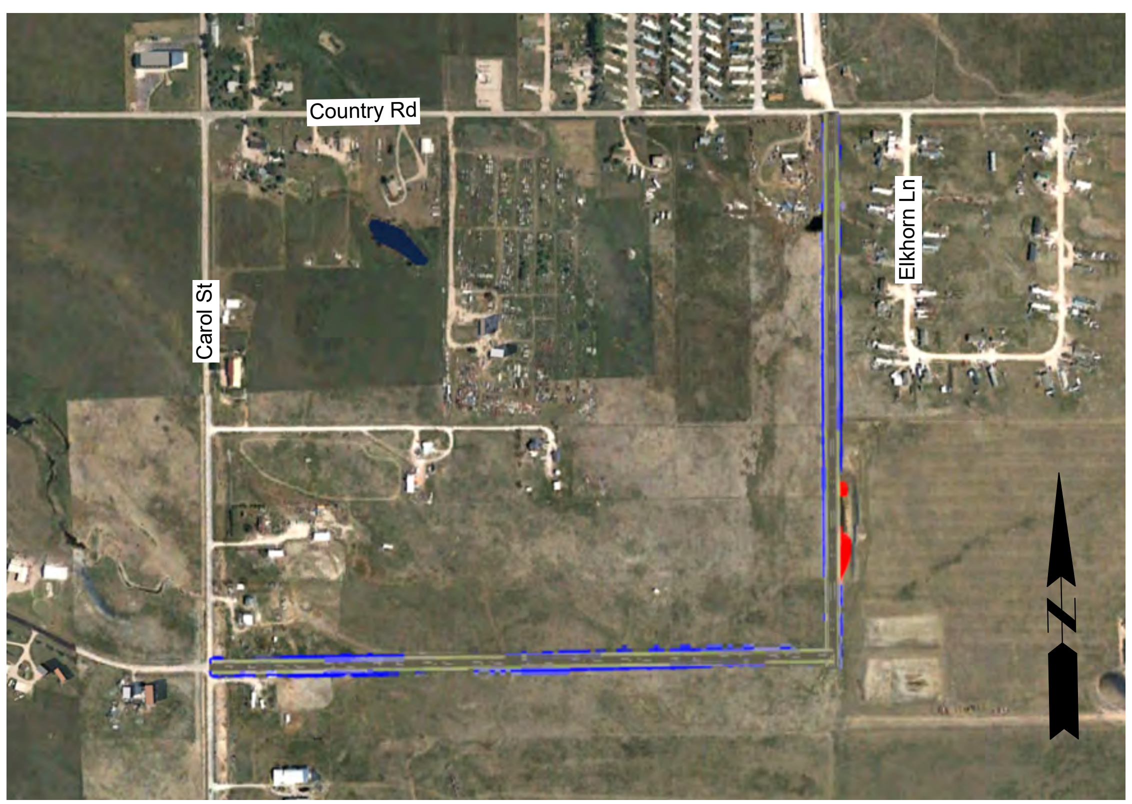
- North-South portion will likely be called "Tish Boulevard."
- Design speed – 35 MPH and 45 MPH.



Isometric looking east at station 1+00

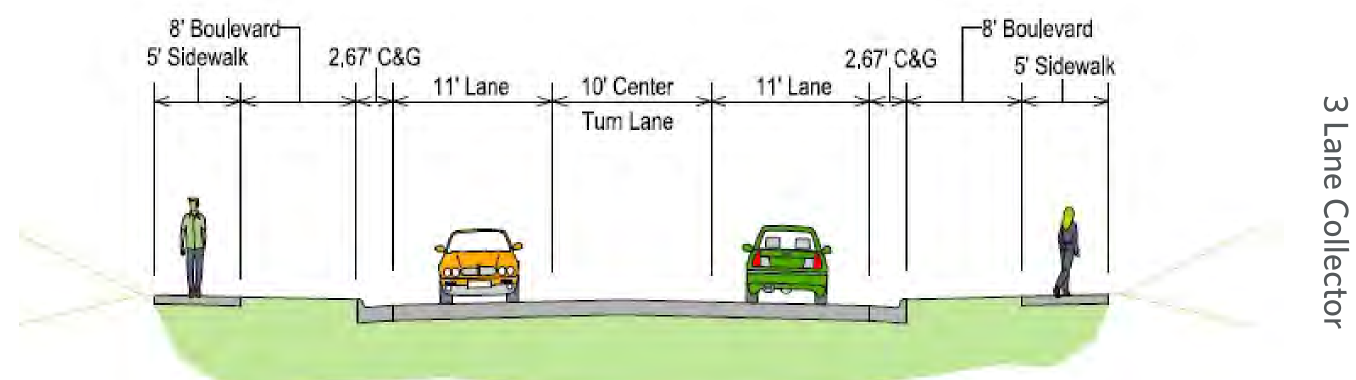


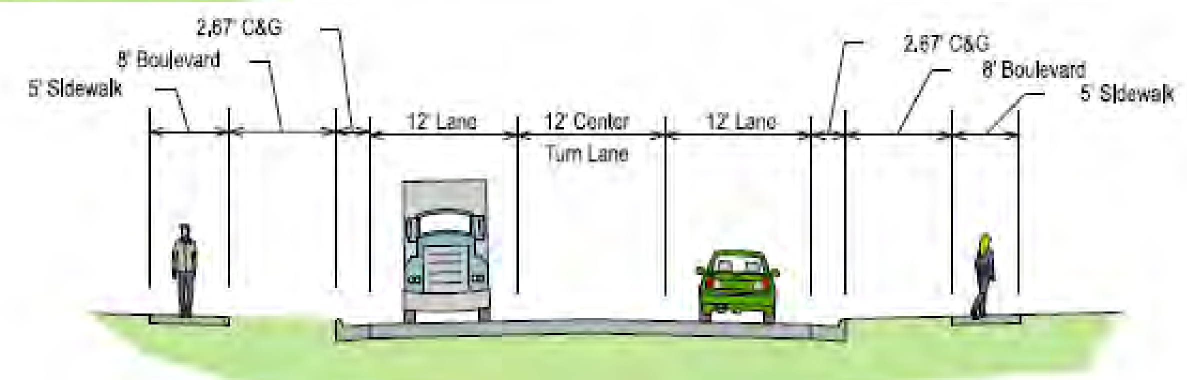
Isometric looking northeast at station 3+00

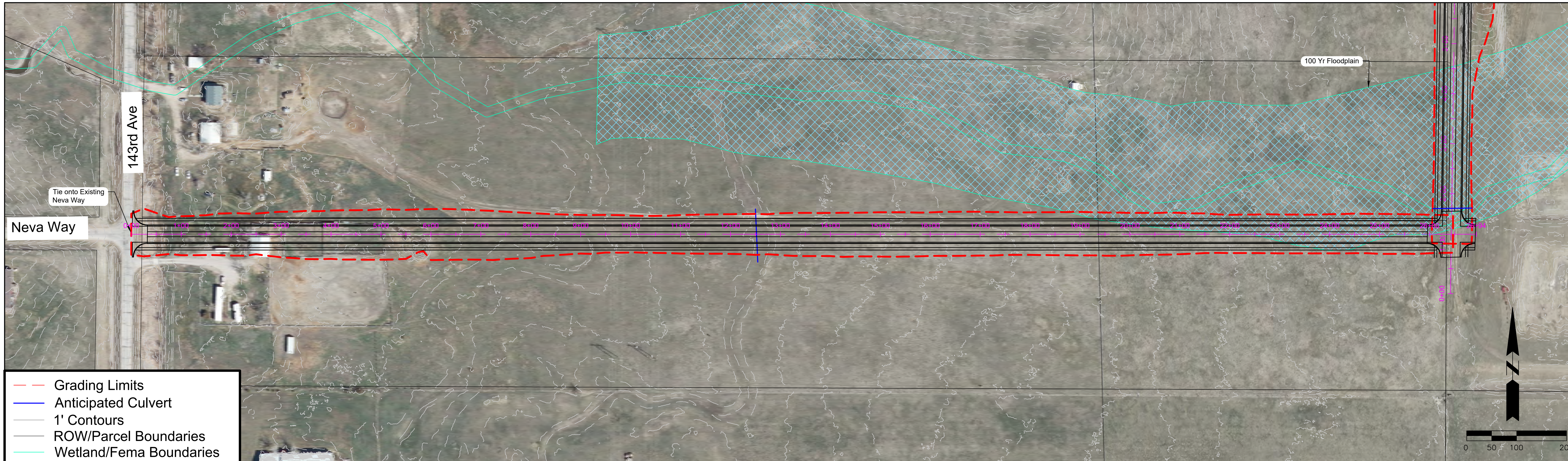


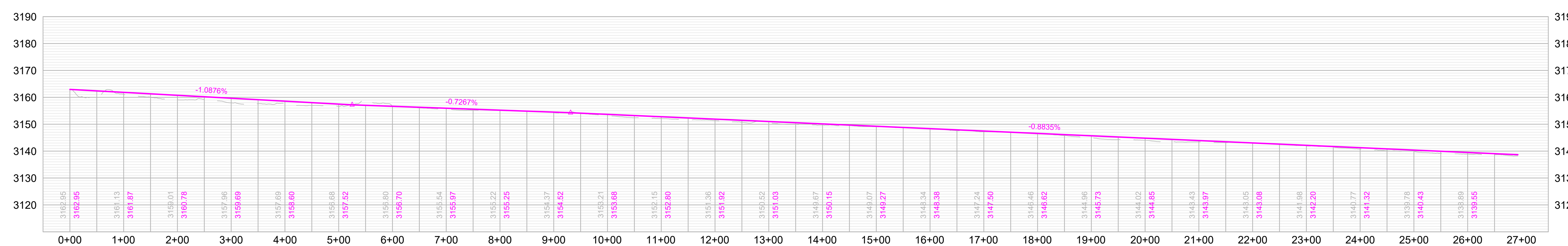
Segment Overview

Proposed Typical Sections









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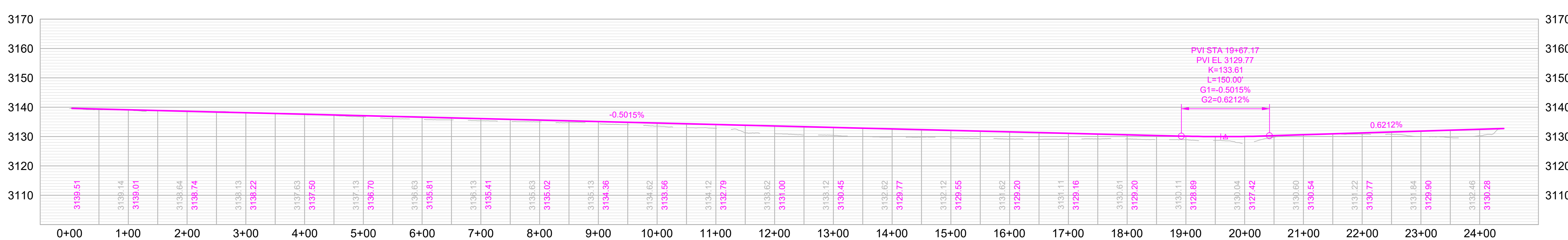
Neva Way

143rd Ave to Country Rd



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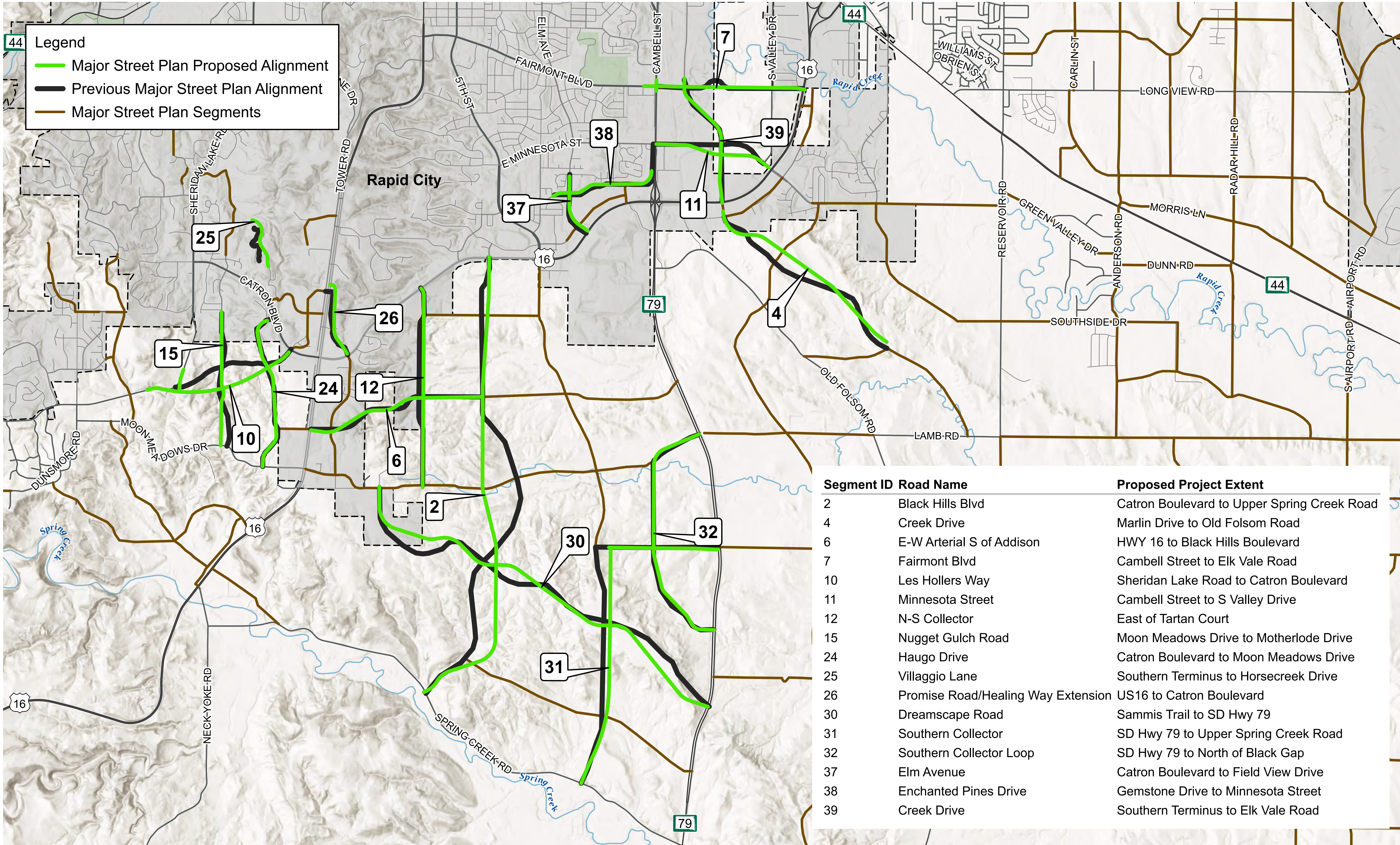
Neva Way

143rd Ave to Country Rd

SHEET

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

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STREET PLAN PROPOSED ALIGNMENTS
SOUTHERN GROWTH AREA

RAPID CITY, SOUTH DAKOTA

Black Hills Boulevard

Catron Boulevard to Upper Spring Creek Road

Classification: Minor Arterial

Corridor Length: 21,800 FT

Estimated Quantities

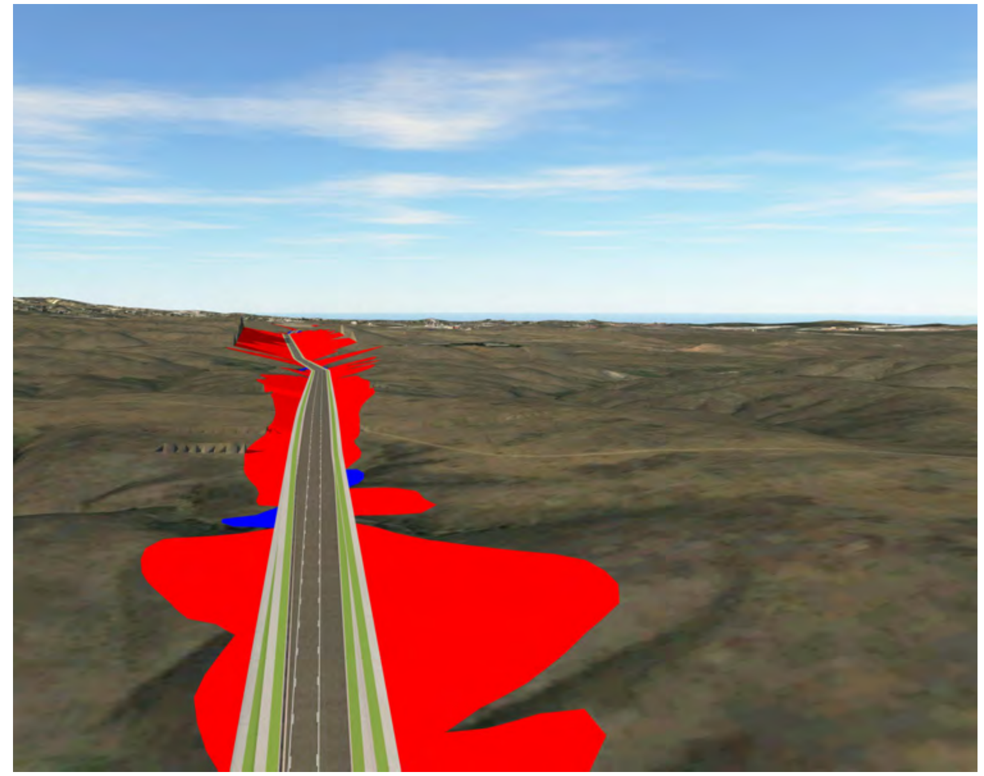
Road Surface: 87,200 SY

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

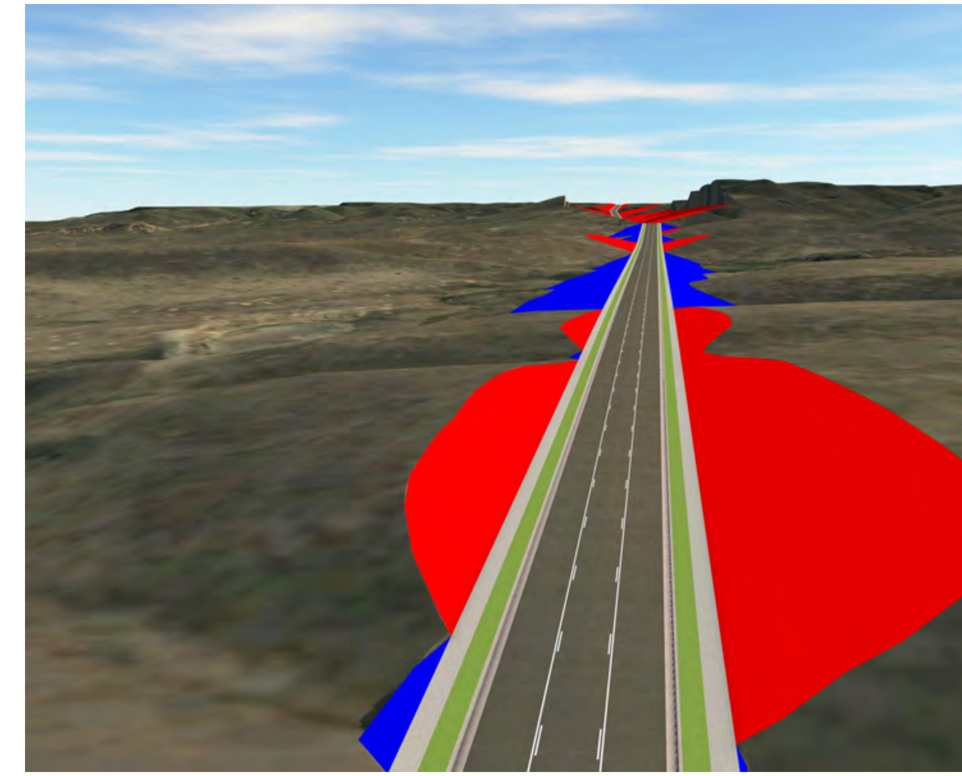
Earthwork Fill (Blue): 1,720,689 CY

Segment Considerations:

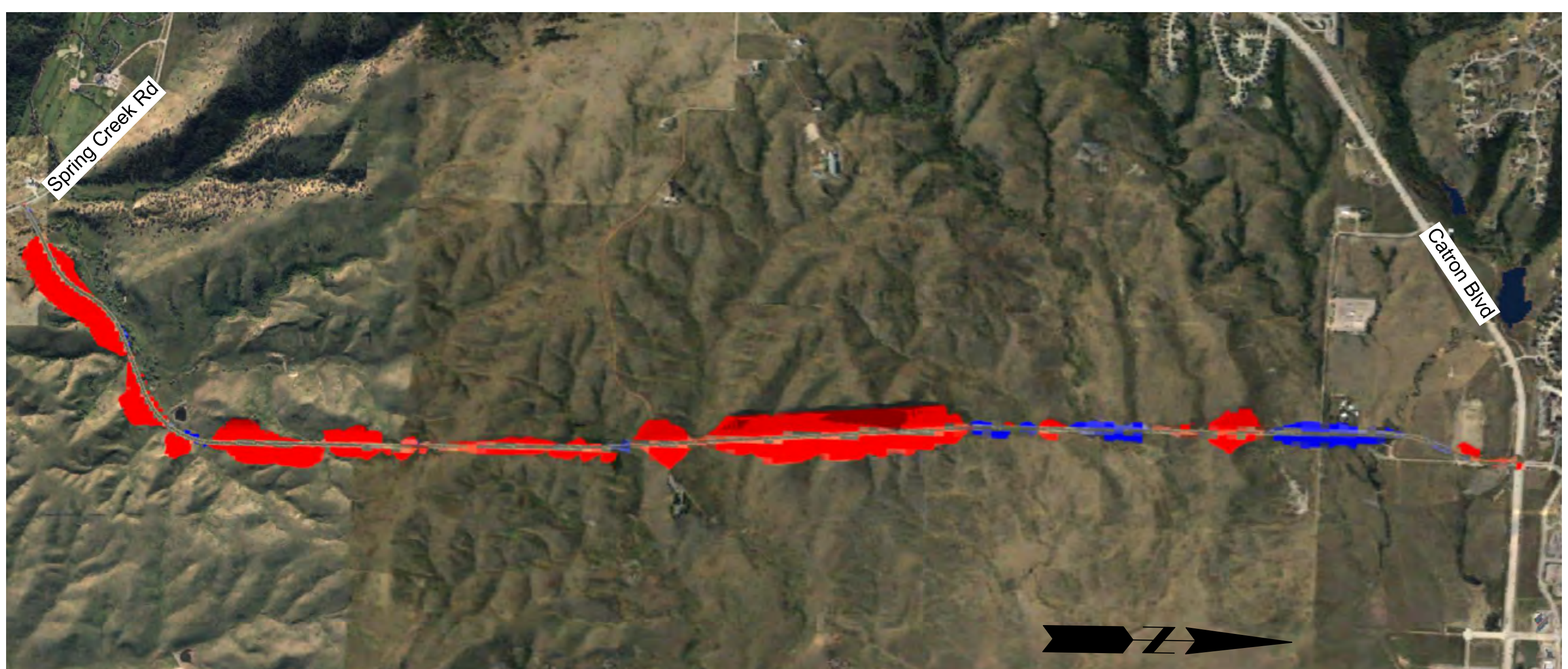
- Design speed – 45 MPH.



Isometric looking north at station 164+00



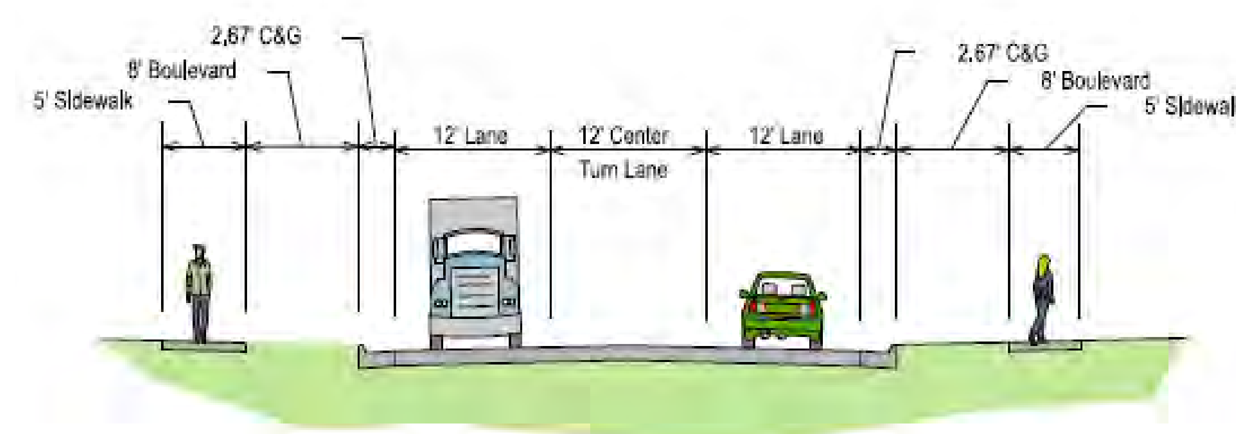
Isometric looking south at station 131+00

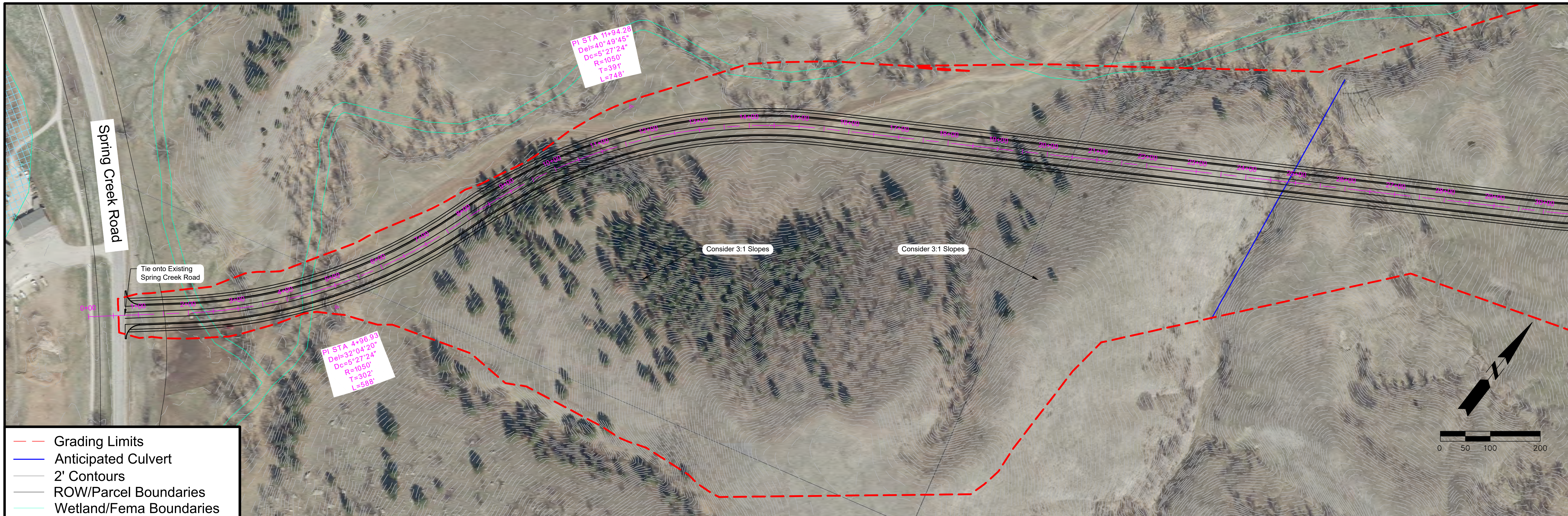


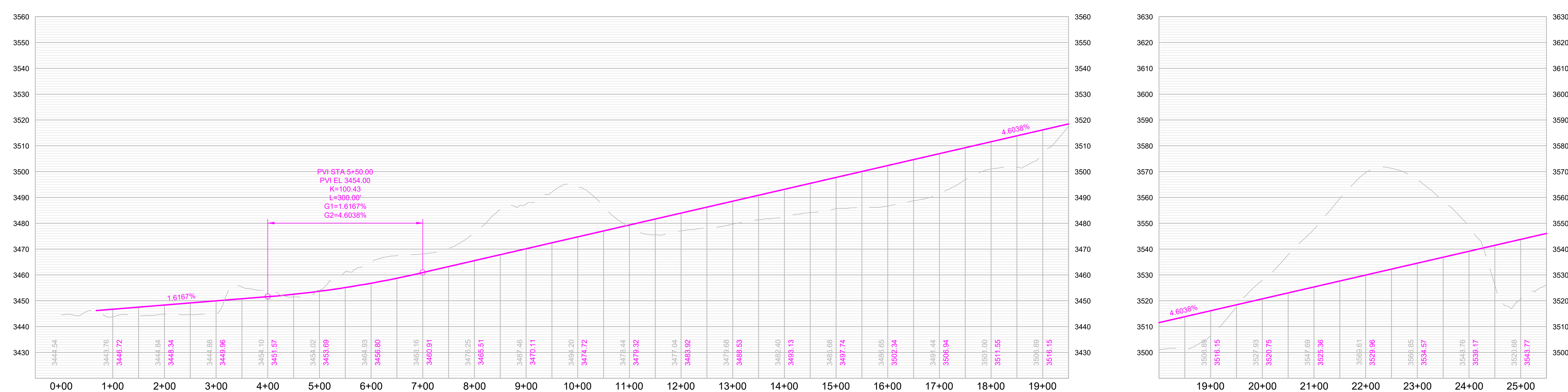
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial

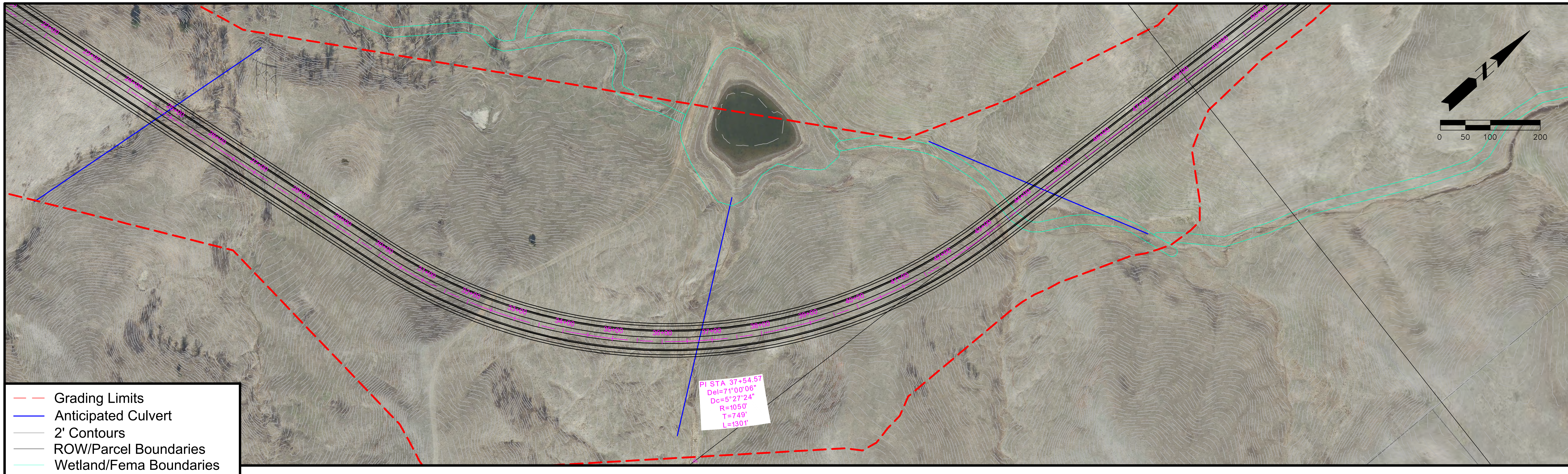


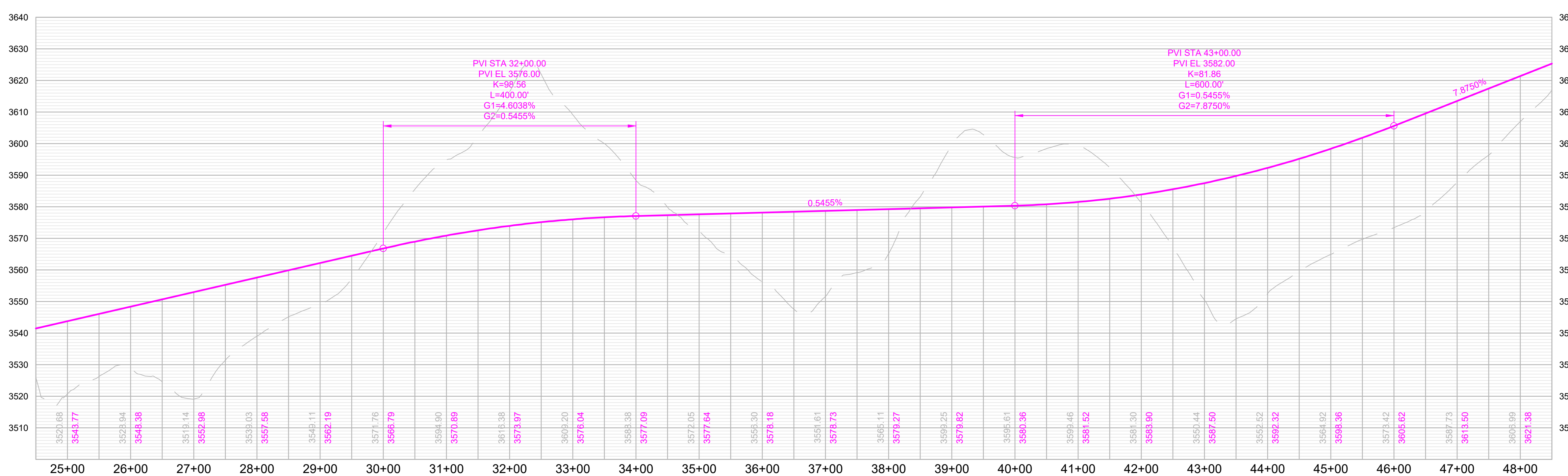




Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd





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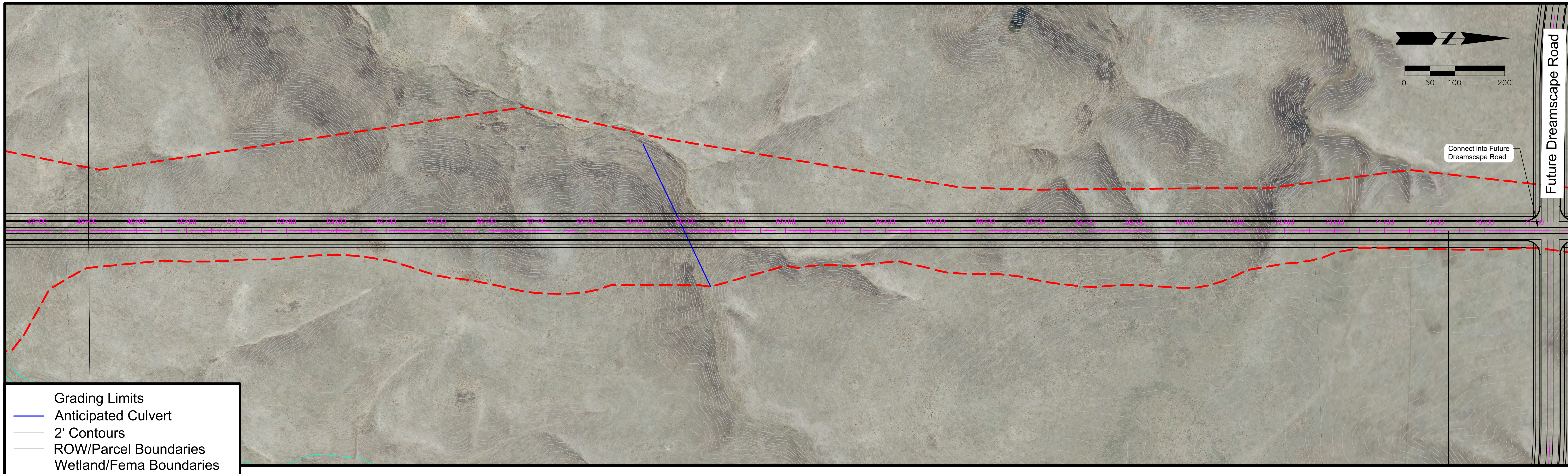
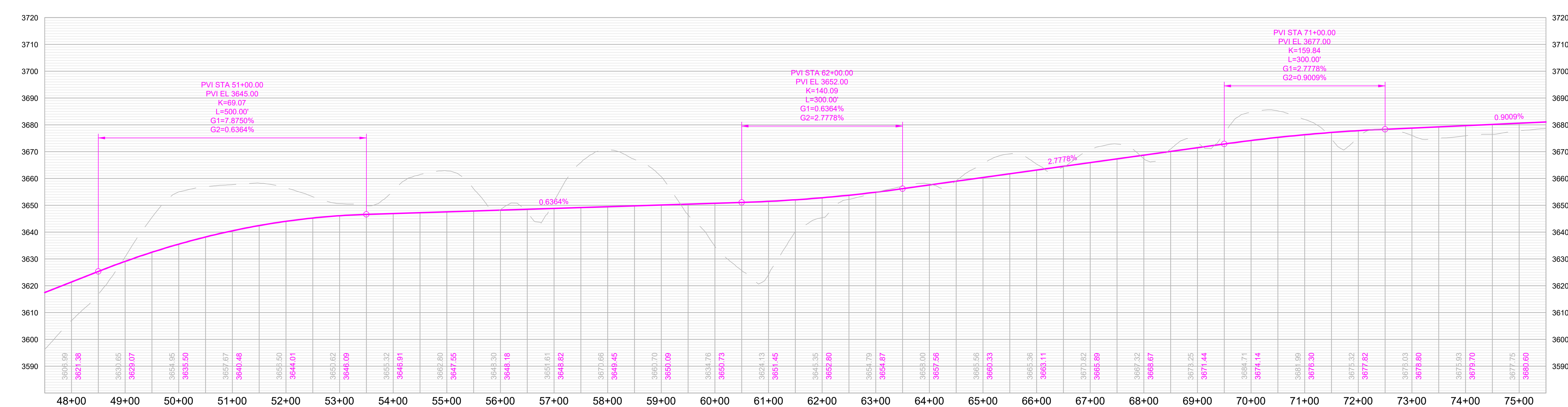
Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd





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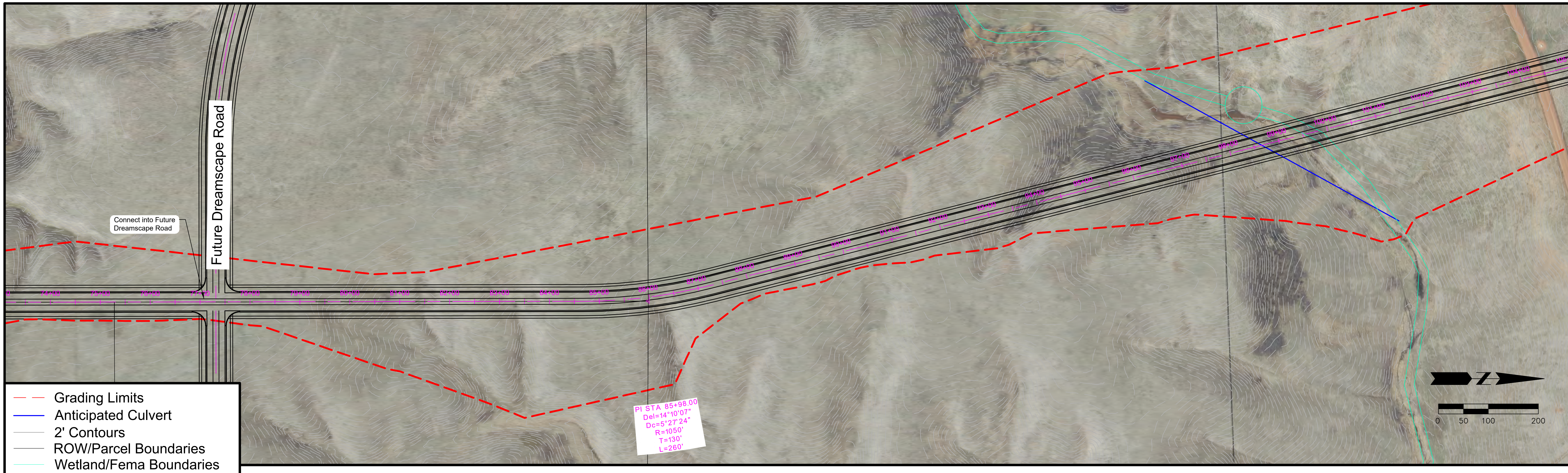
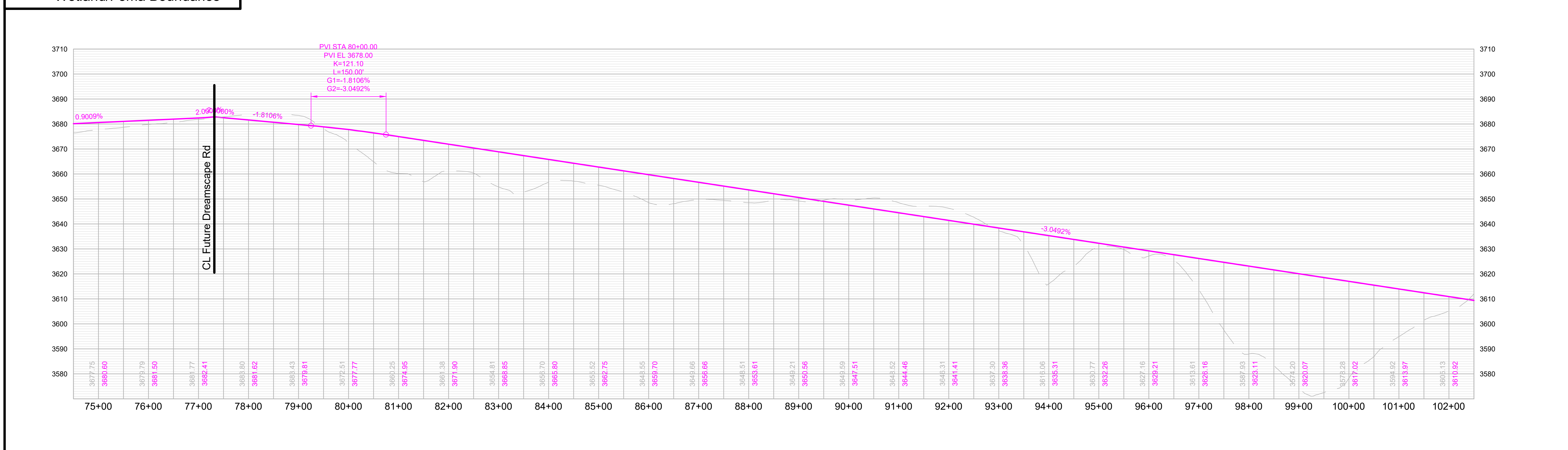
Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd

SHEET



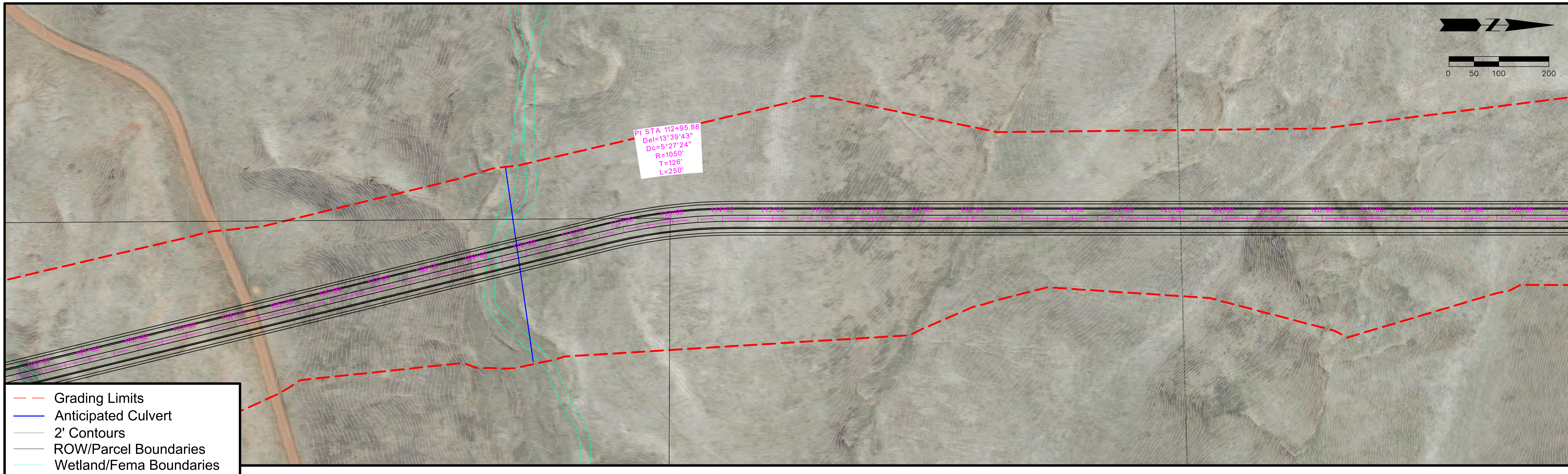


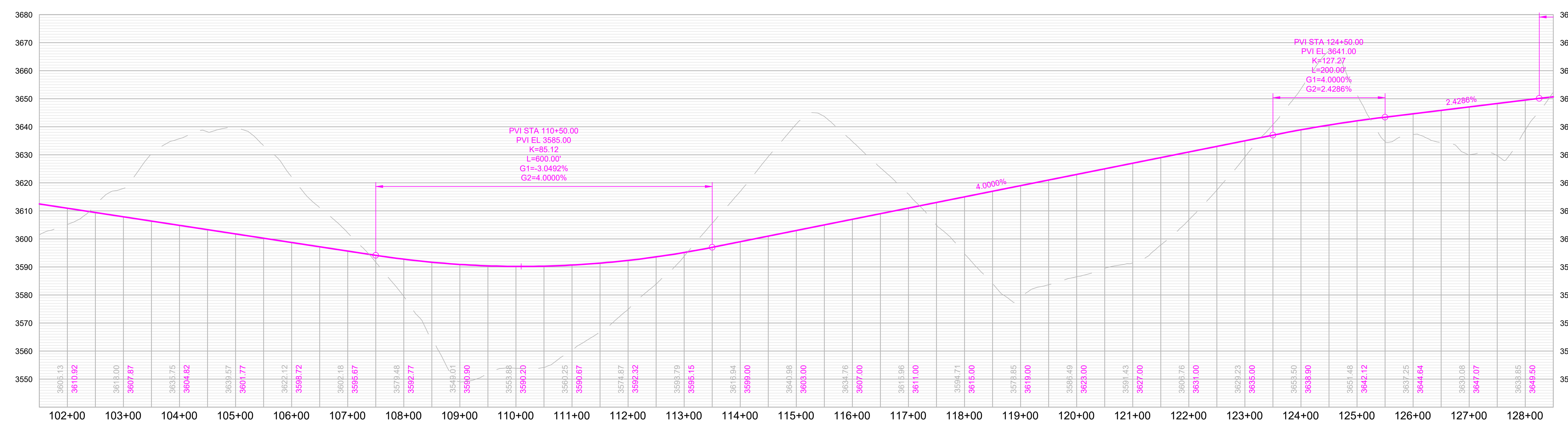
Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd

SHEET

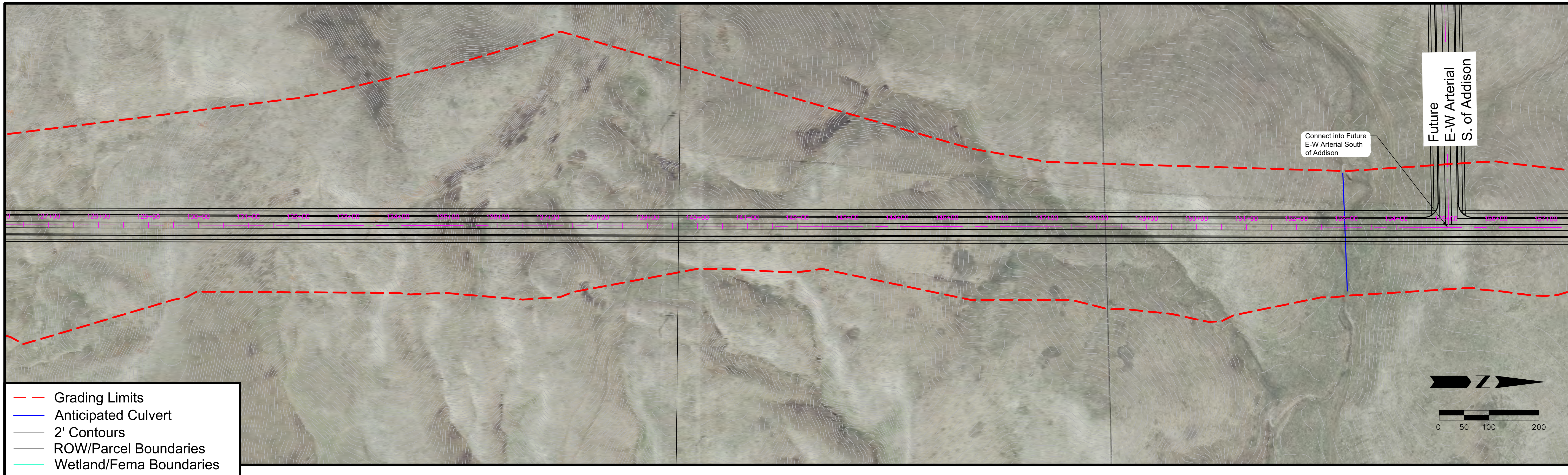
4 of 9

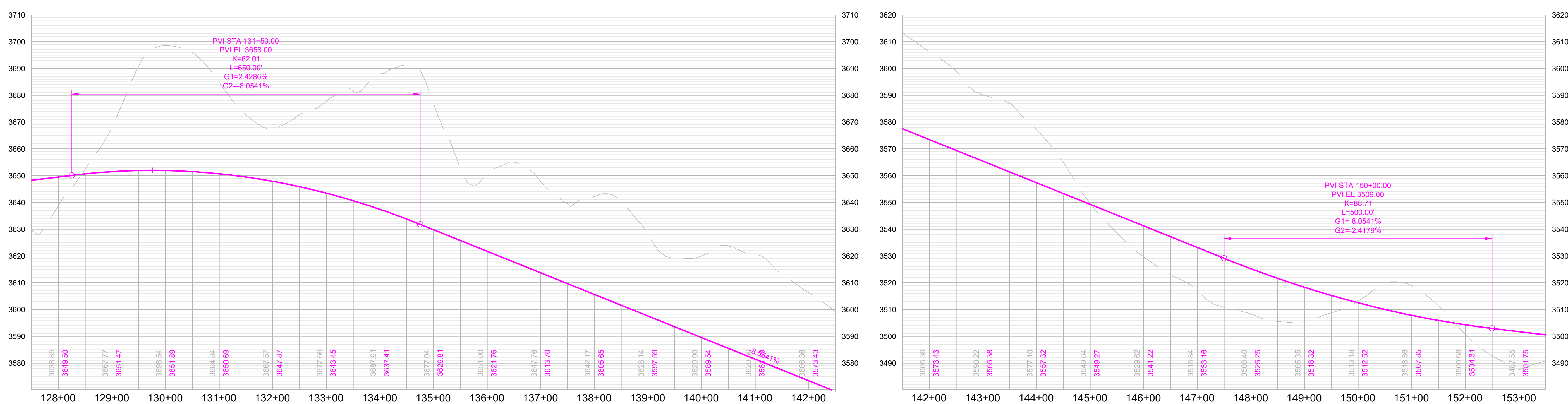




Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd





Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd

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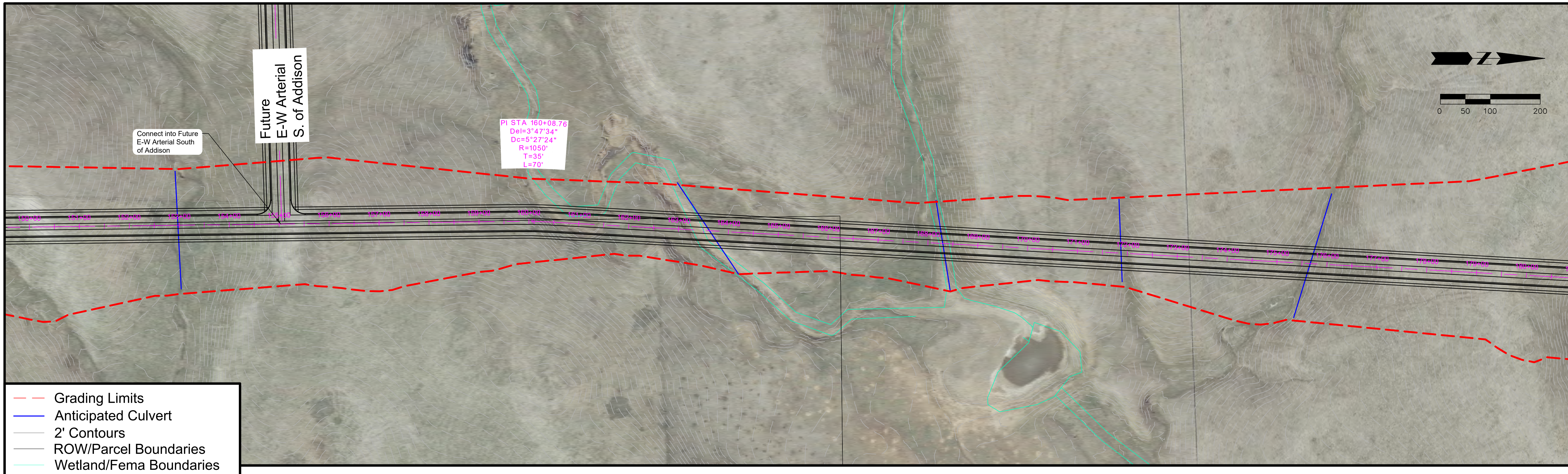

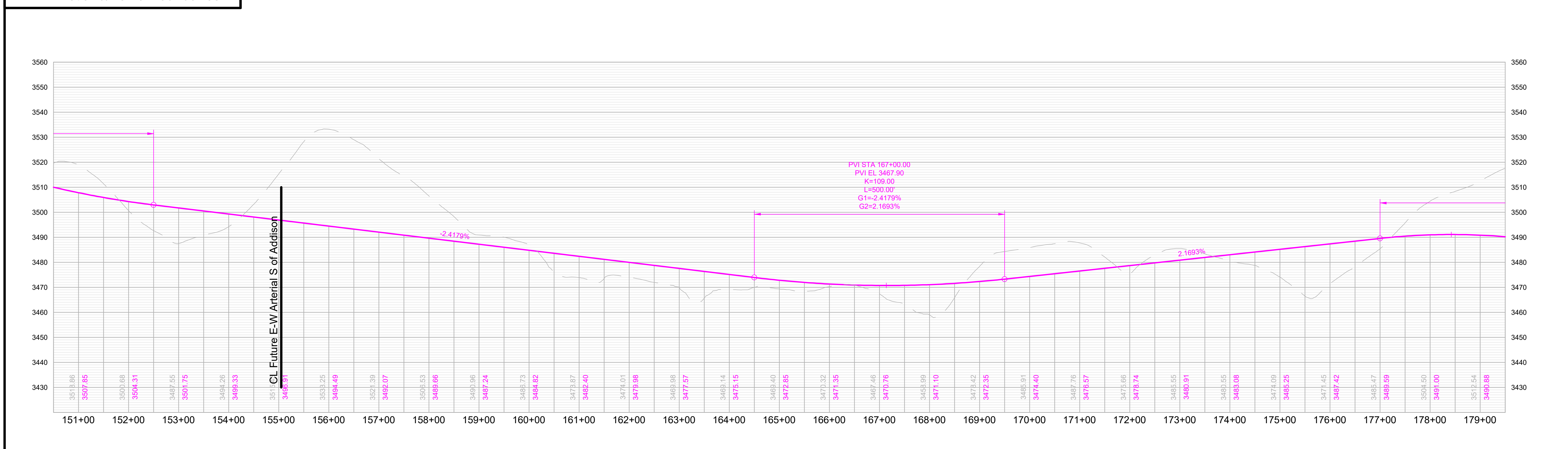

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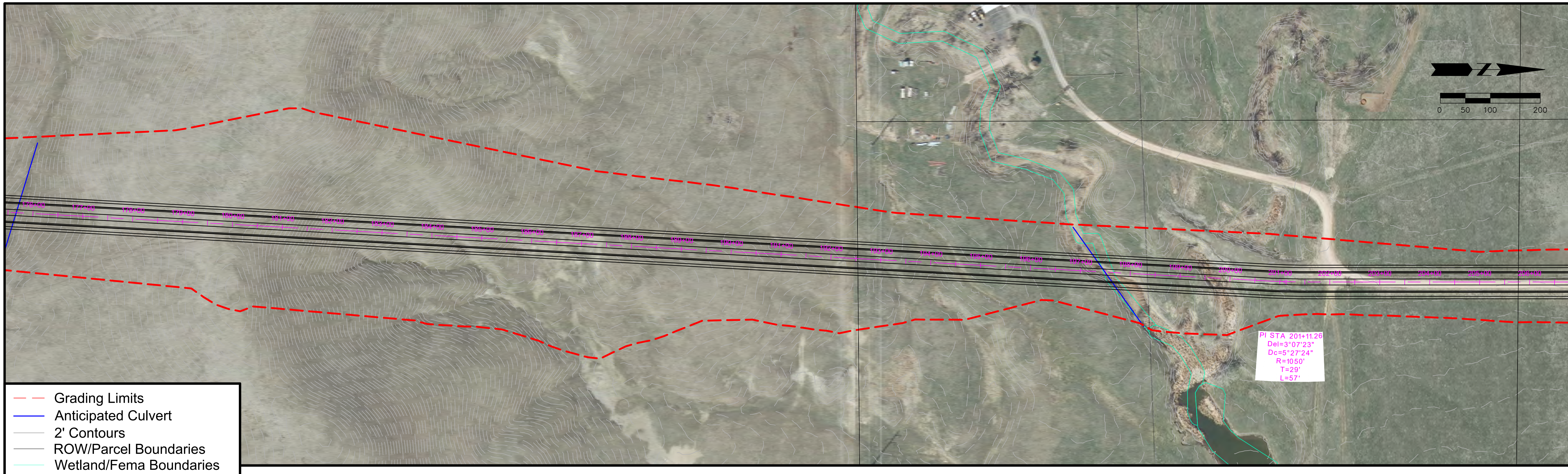
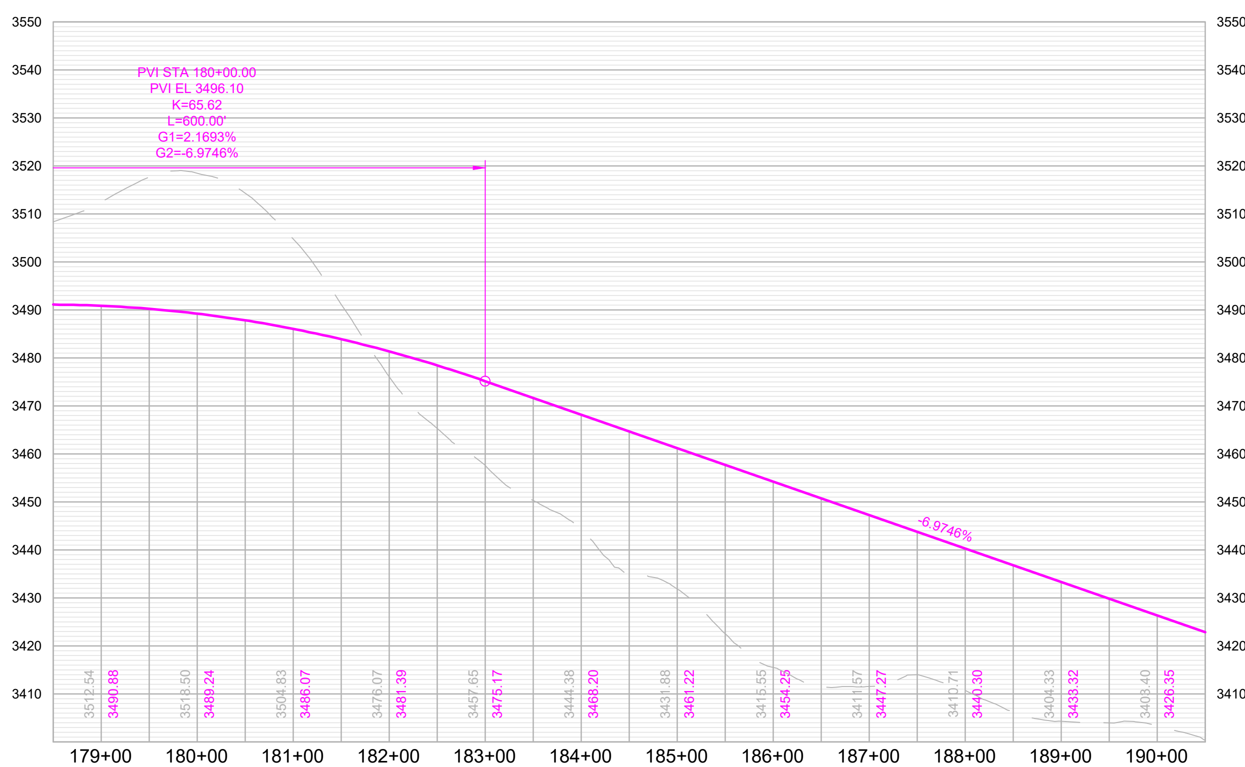
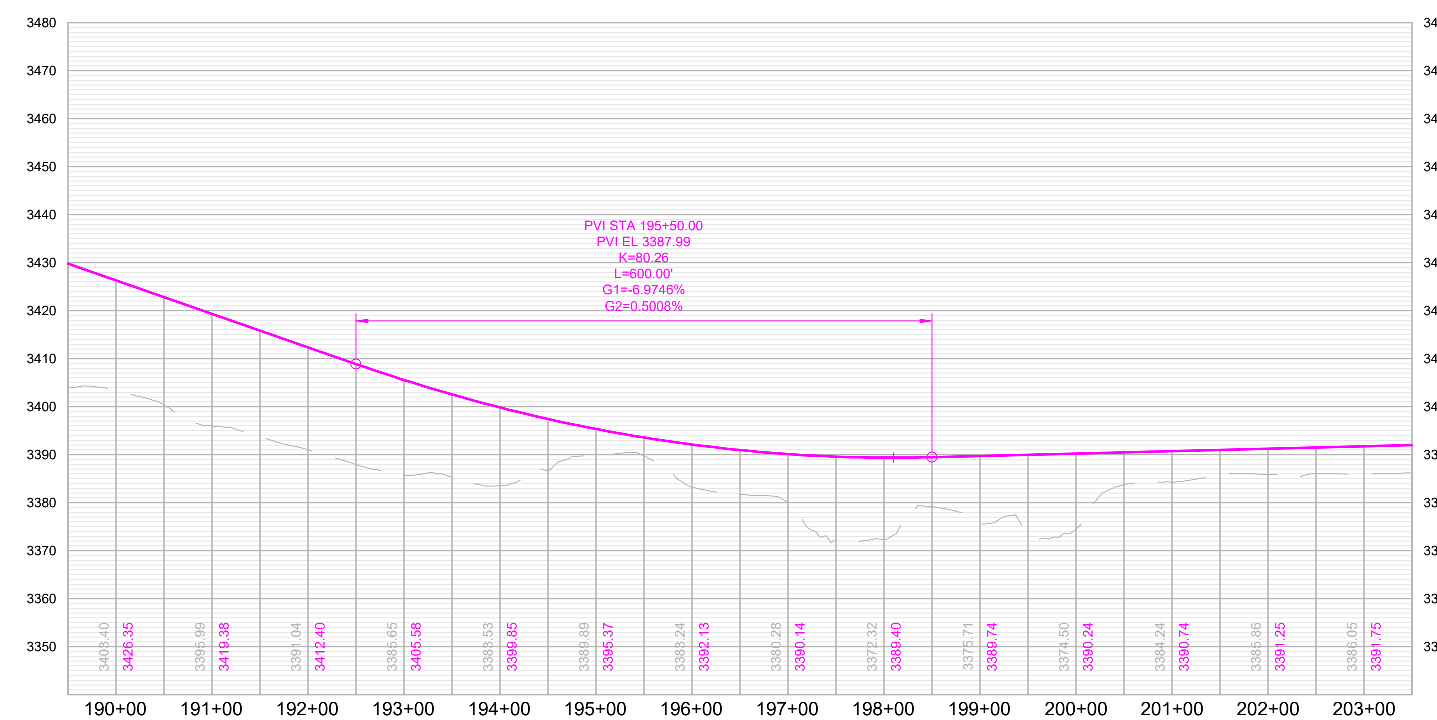
Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd







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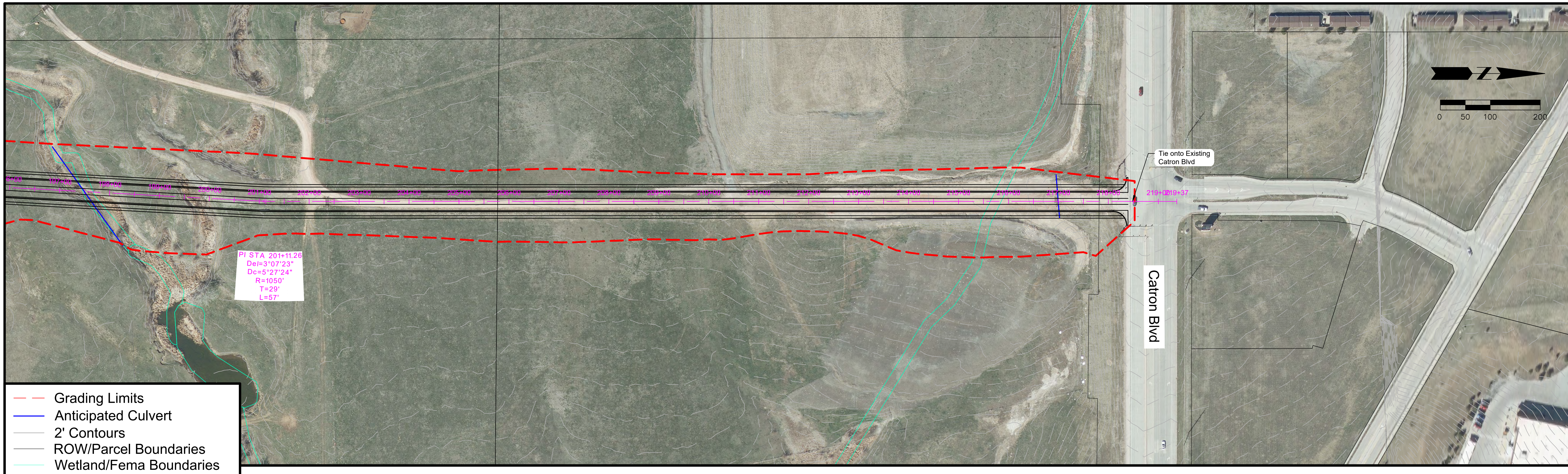
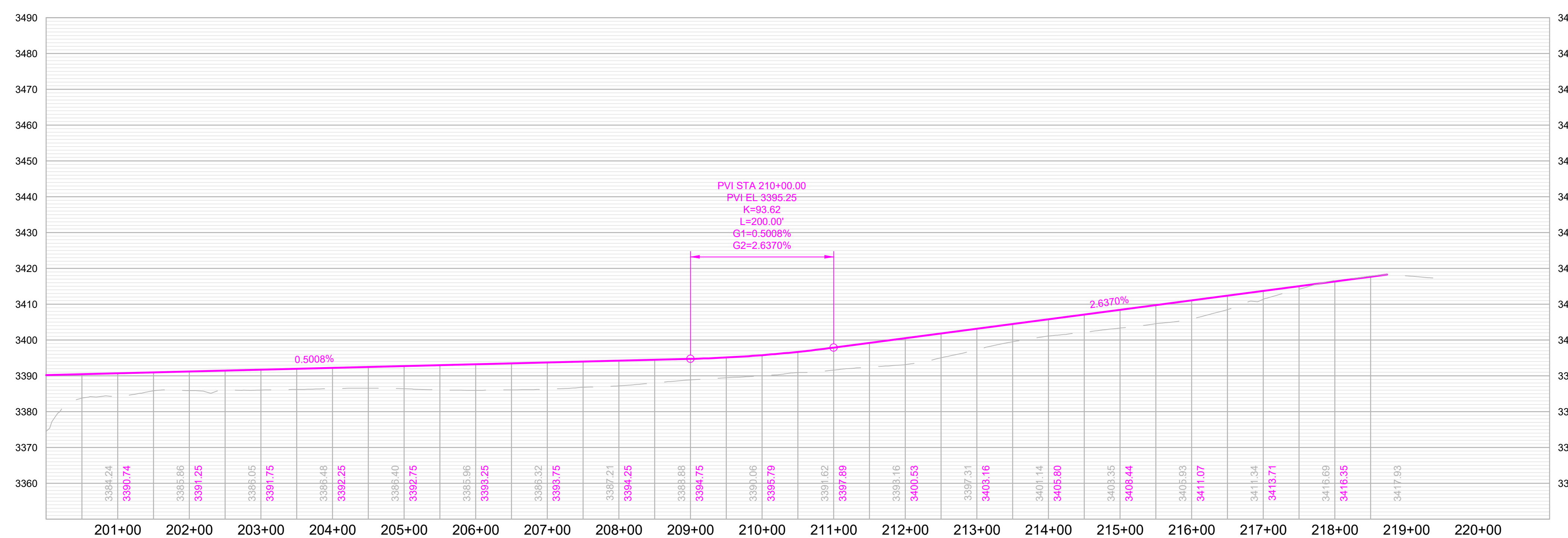
Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd





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Black Hills Boulevard

Catron Blvd to Upper Spring Creek Rd

Segment ID: 4

Creek Drive
Marlin Drive to Old Folsom Road

Classification: Collector/Minor Arterial

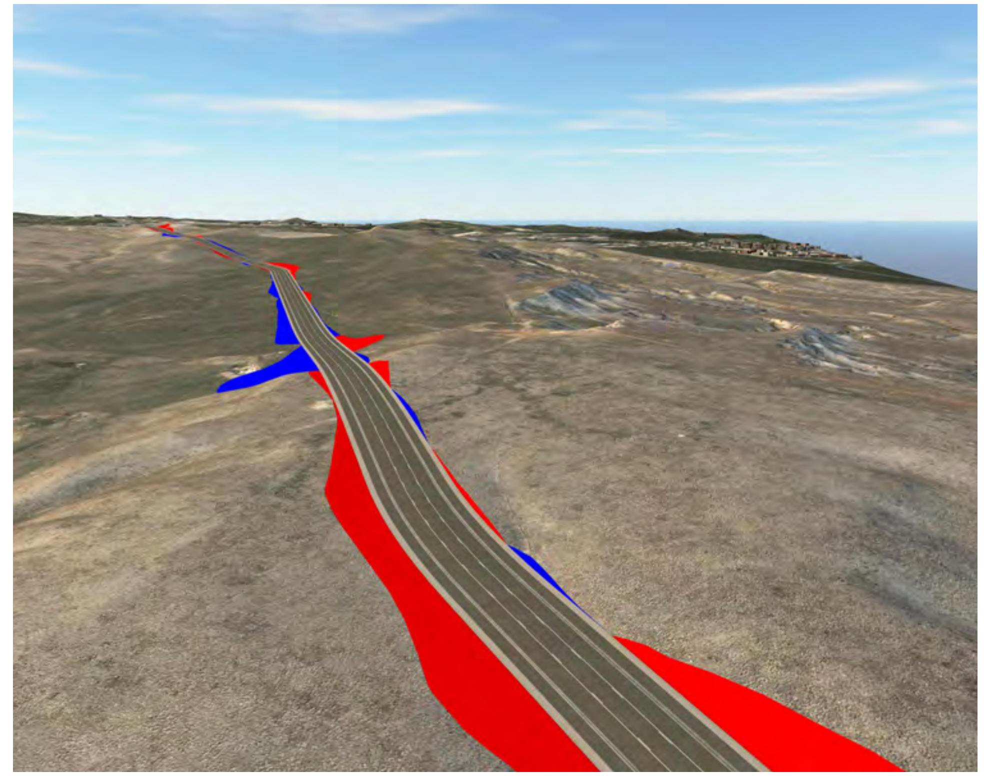
Corridor Length: 9,400 FT

Estimated Quantities

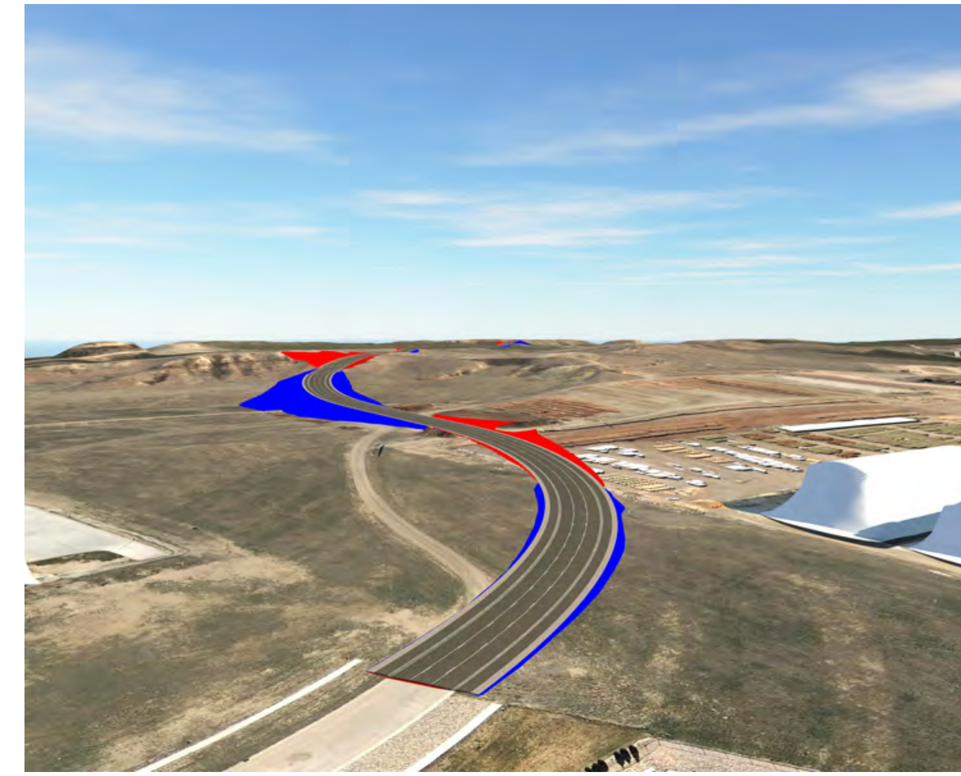
- **Road Surface:** 37,600 SY
- **Earthwork Cut (Red):** 385,426 CY
- **Earthwork Fill (Blue):** 124,466 CY

Segment Considerations:

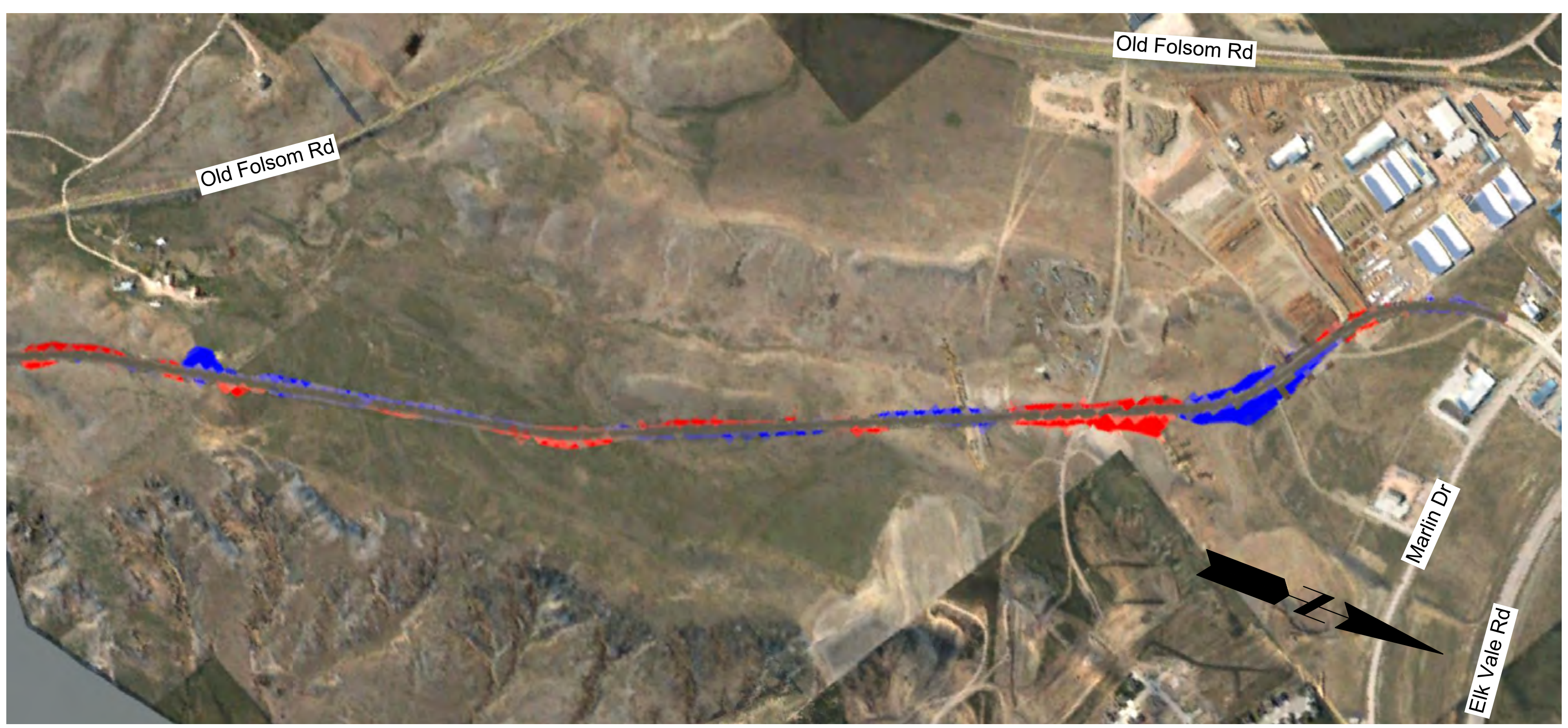
- Design speed – 35 MPH and 45 MPH.



Isometric looking northeast at station 9+00

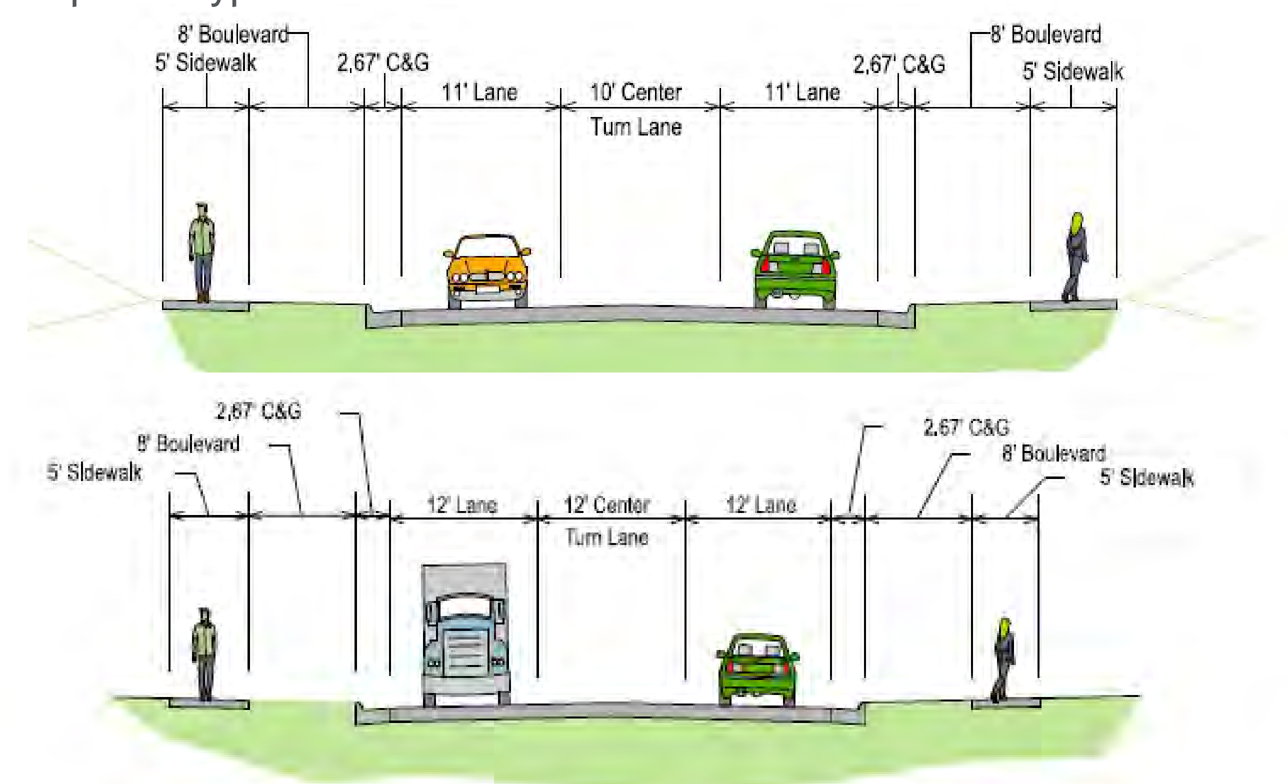


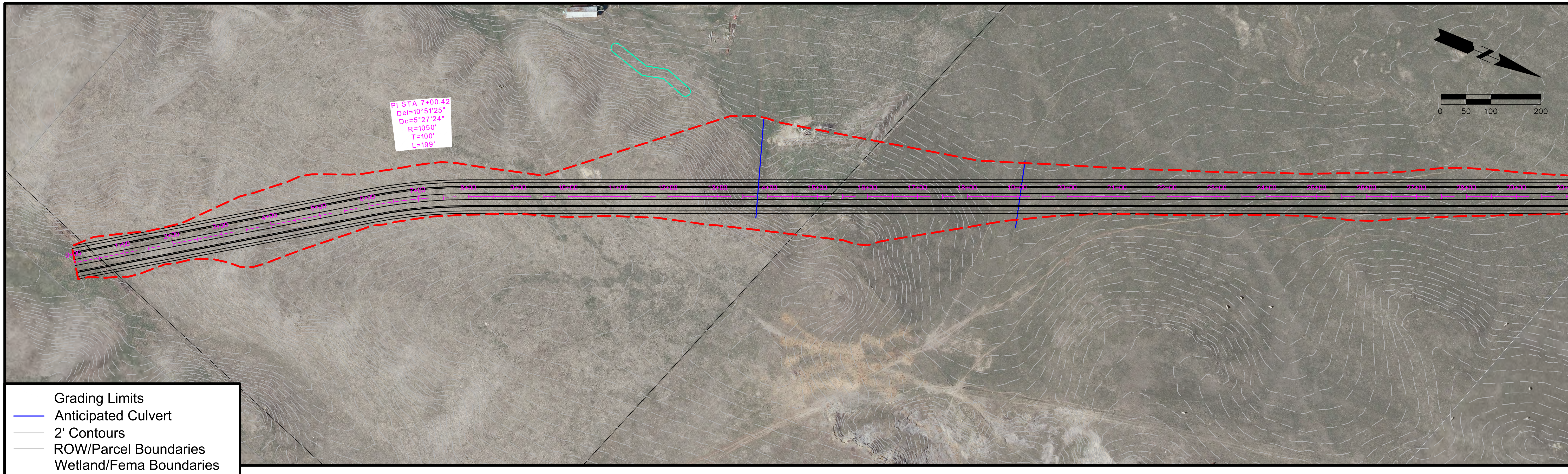
Isometric looking east at station 94+00

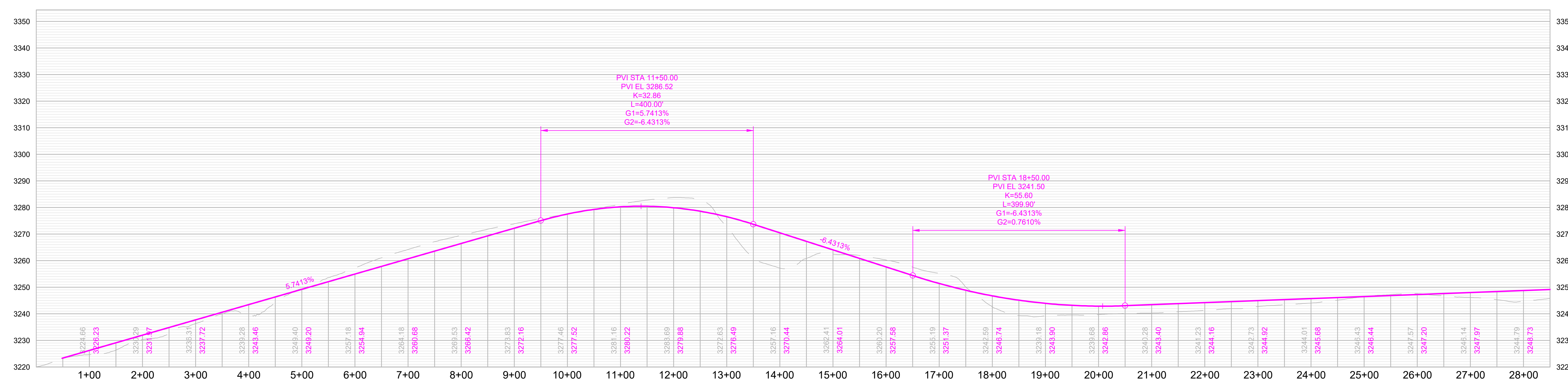


Segment Overview

Proposed Typical Sections





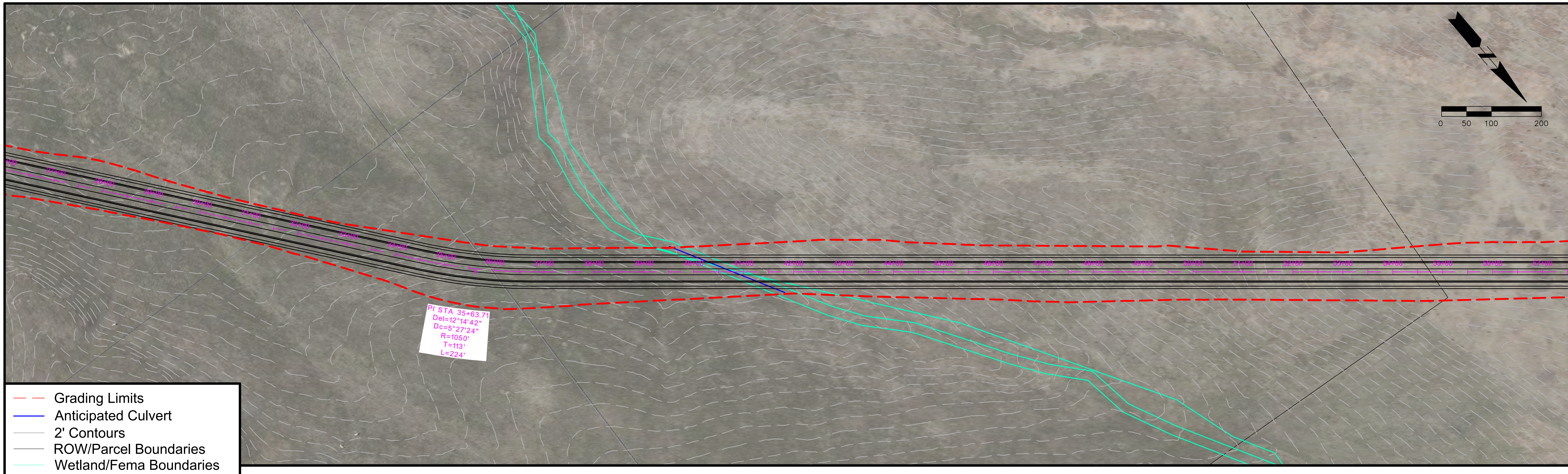


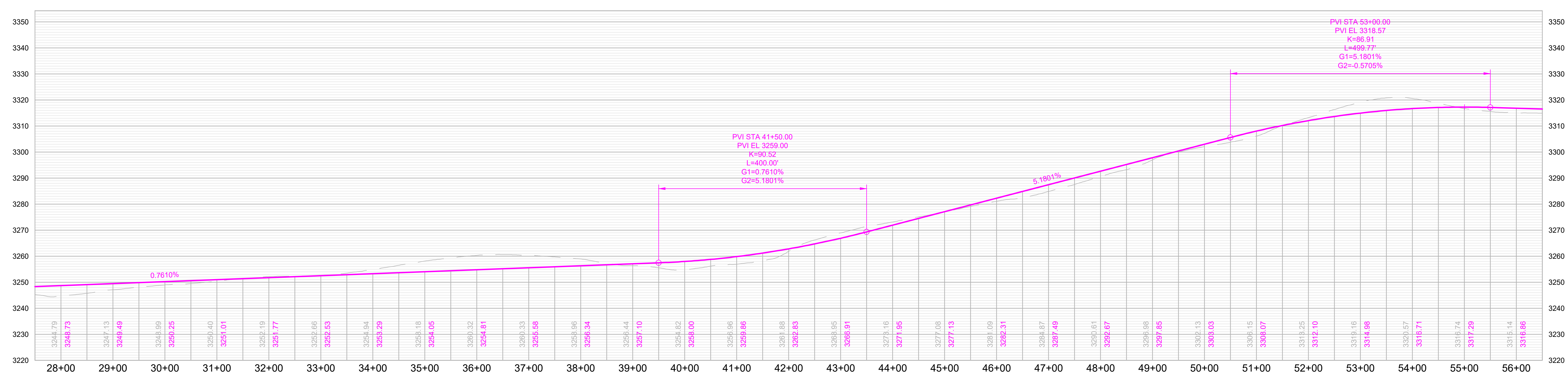
RAPID CITY AREA Metropolitan Planning Organization

Creek Drive

Marlin Dr to Old Folsom Rd

SHEET





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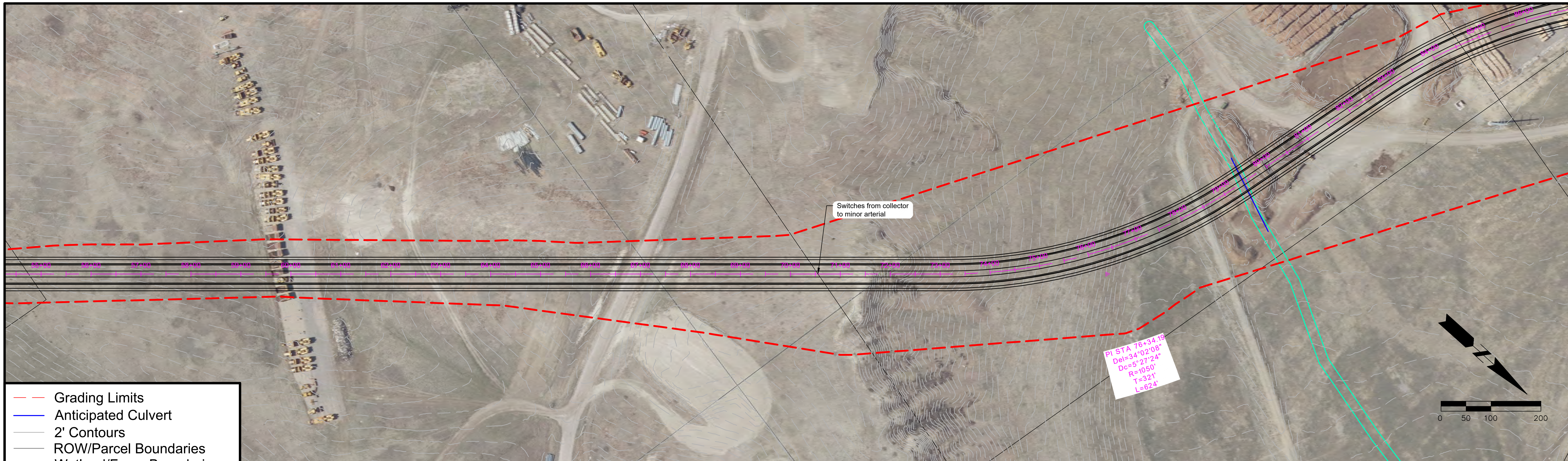
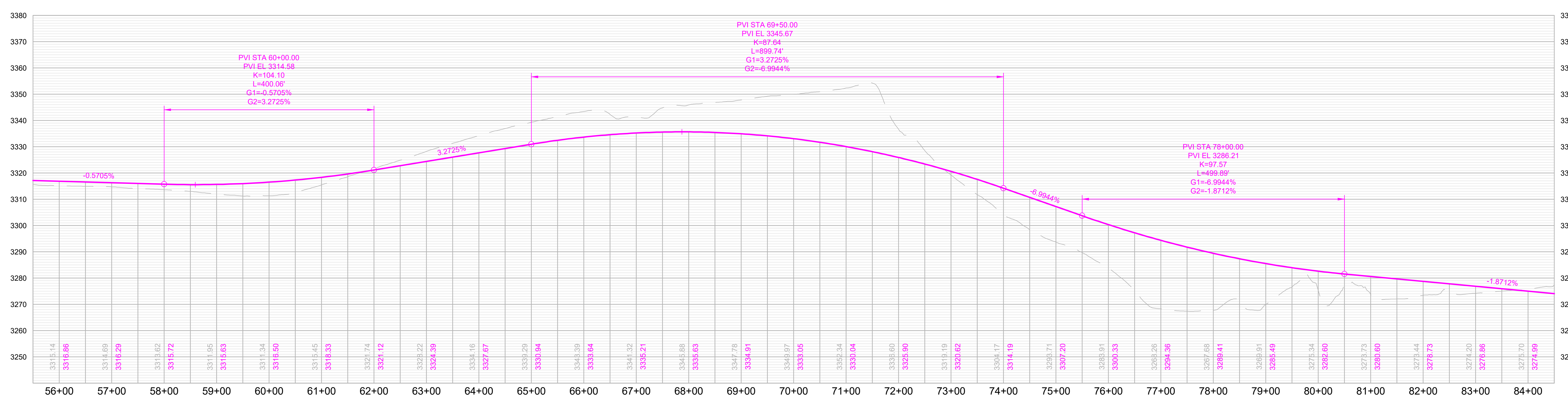
Creek Drive

Marlin Dr to Old Folsom Rd



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



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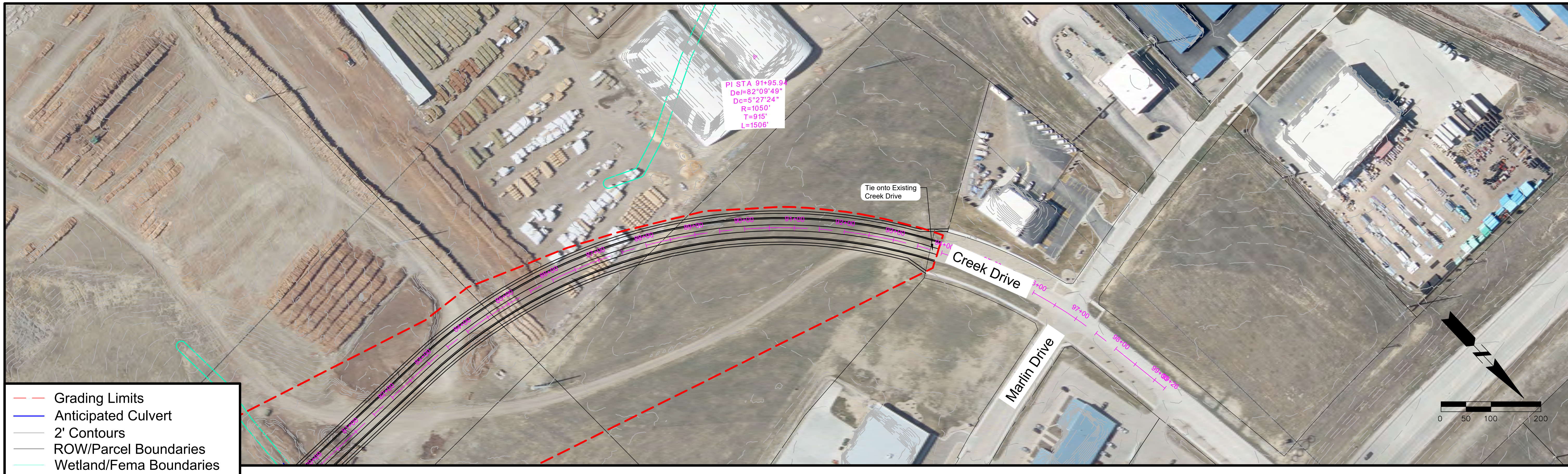
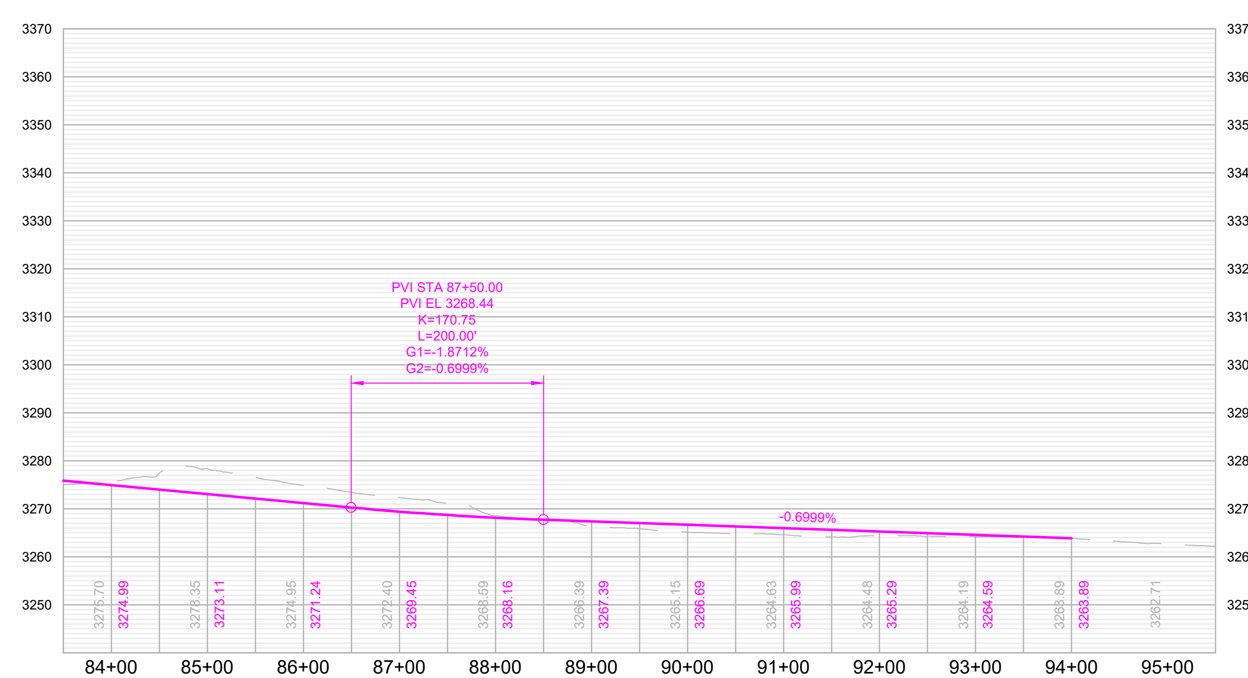
Creek Drive

Marlin Dr to Old Folsom Rd





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Creek Drive

Marlin Dr to Old Folsom Rd

E-W Arterial South of Addison Avenue

Hwy 16 to Black Hills Boulevard

Classification: Minor Arterial

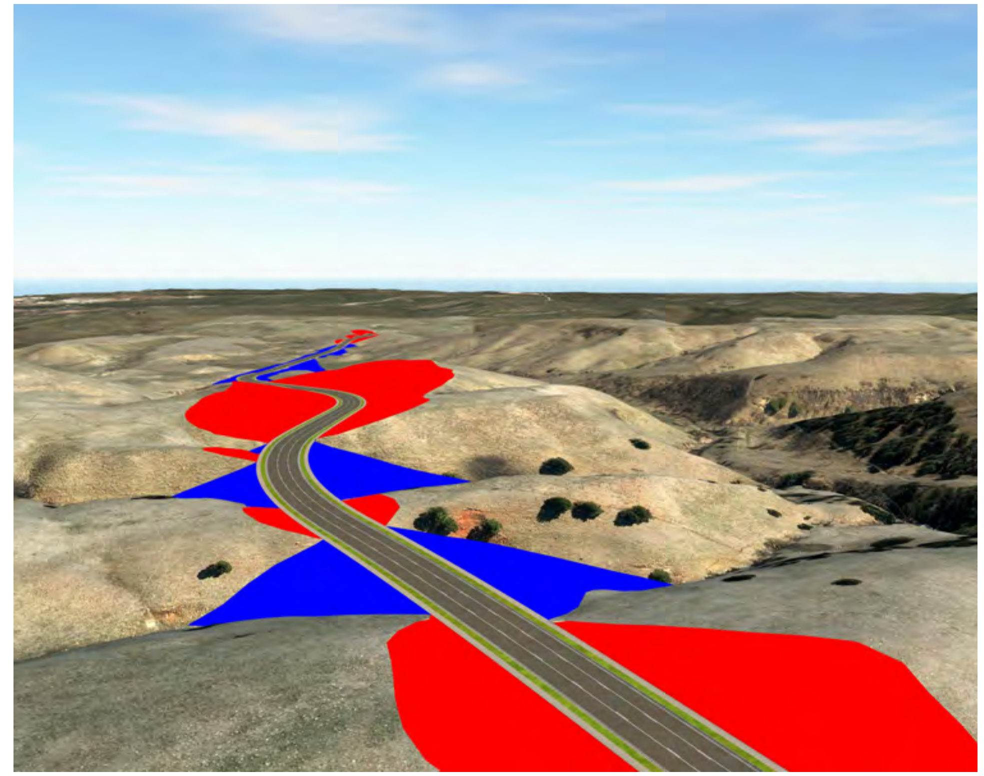
Corridor Length: 8,257 FT

Estimated Quantities

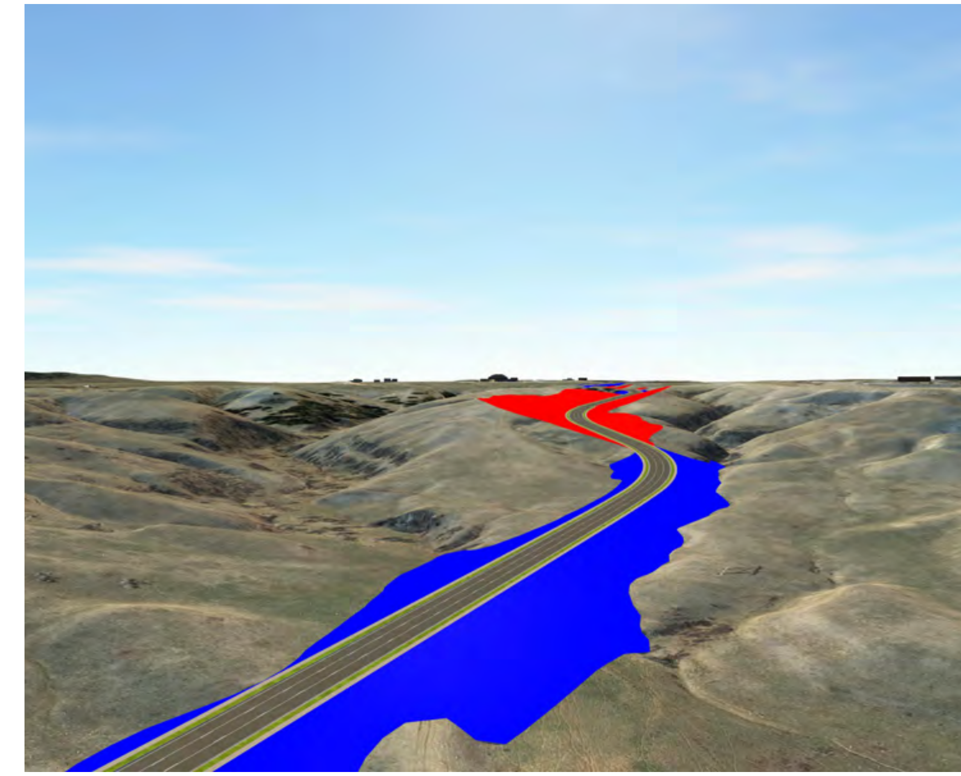
- **Road Surface:** 33,028 SY
- **Earthwork Cut (Red):** 688,609 CY
- **Earthwork Fill (Blue):** 504,223 CY

Segment Considerations:

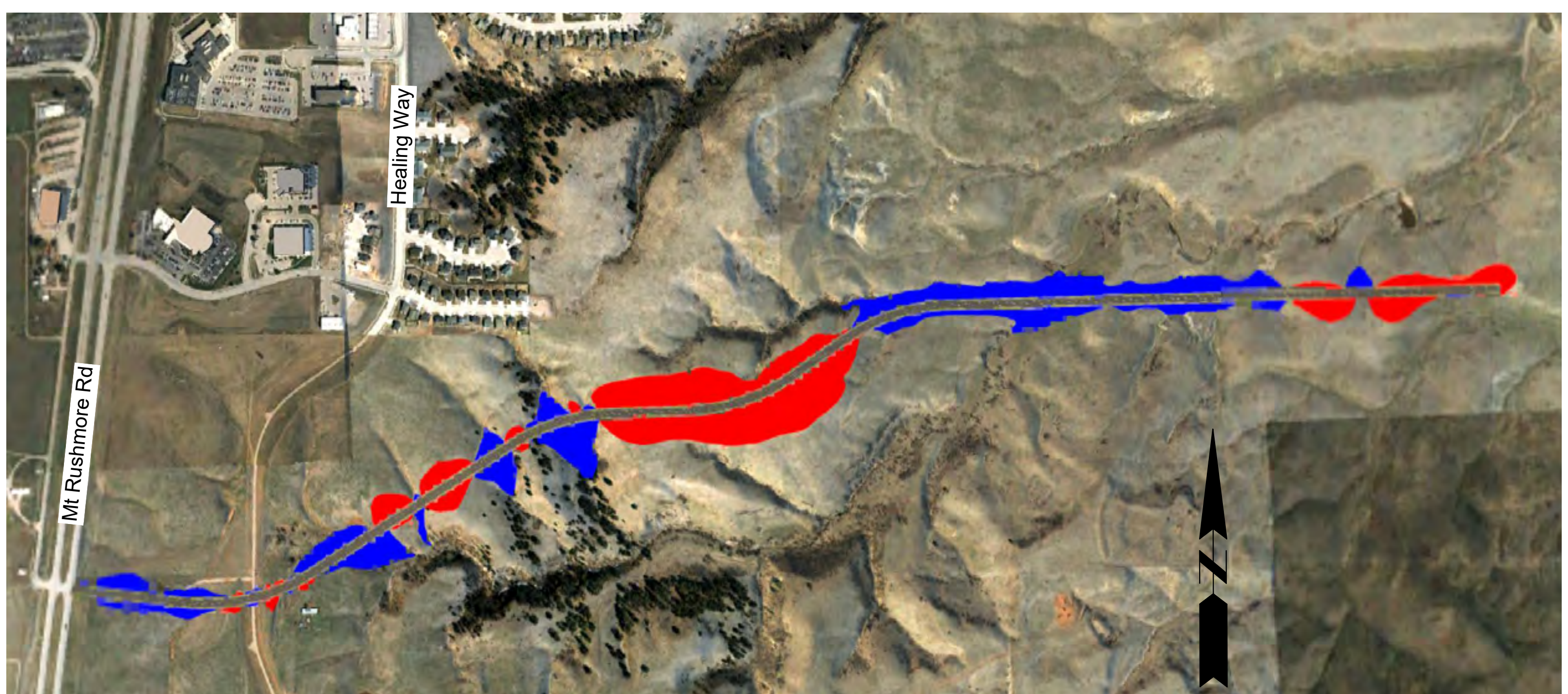
- Design speed – 45 MPH.



Isometric looking east at station 24+00



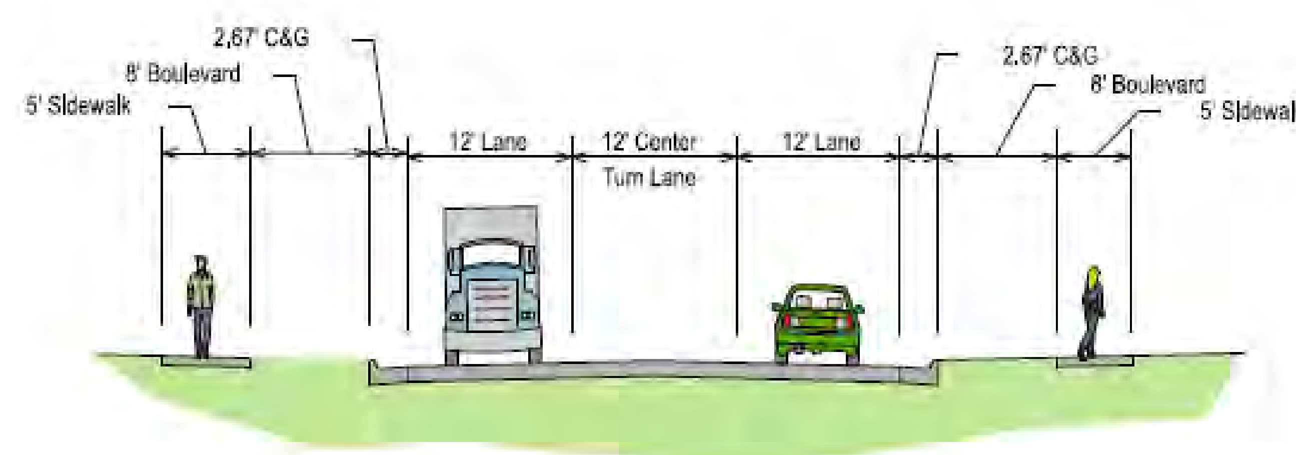
Isometric looking southwest at station 60+00

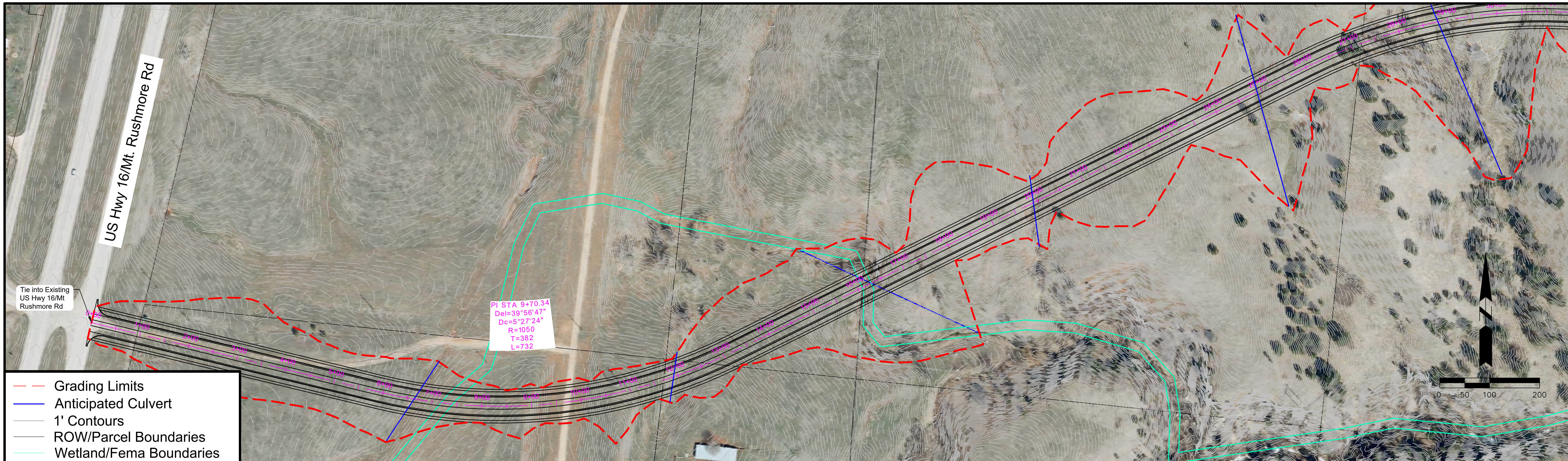


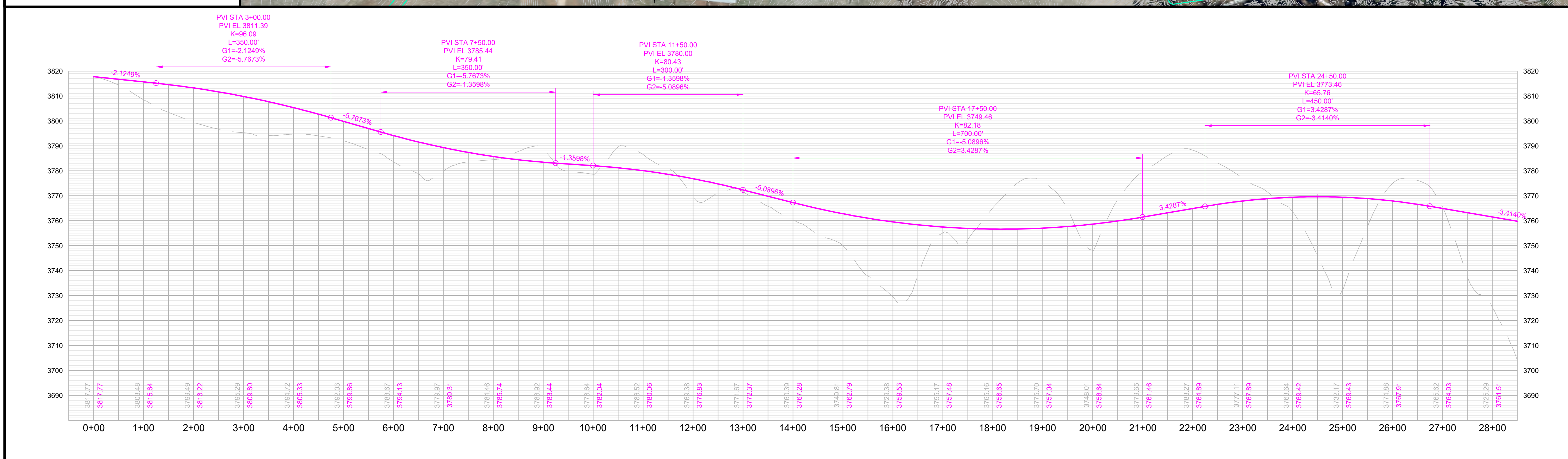
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial



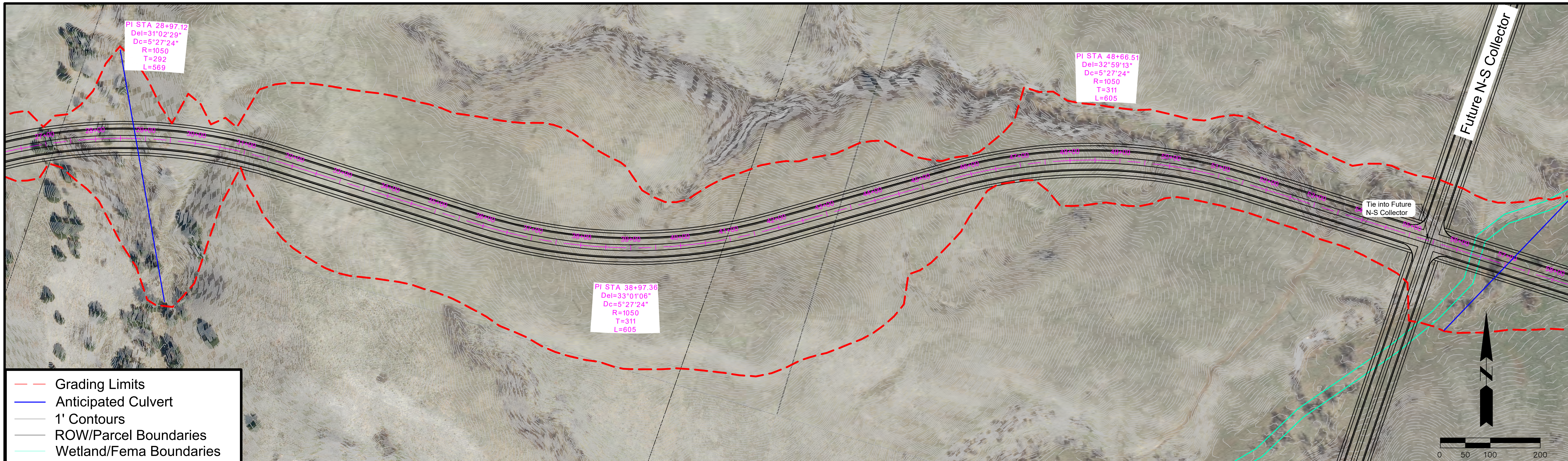


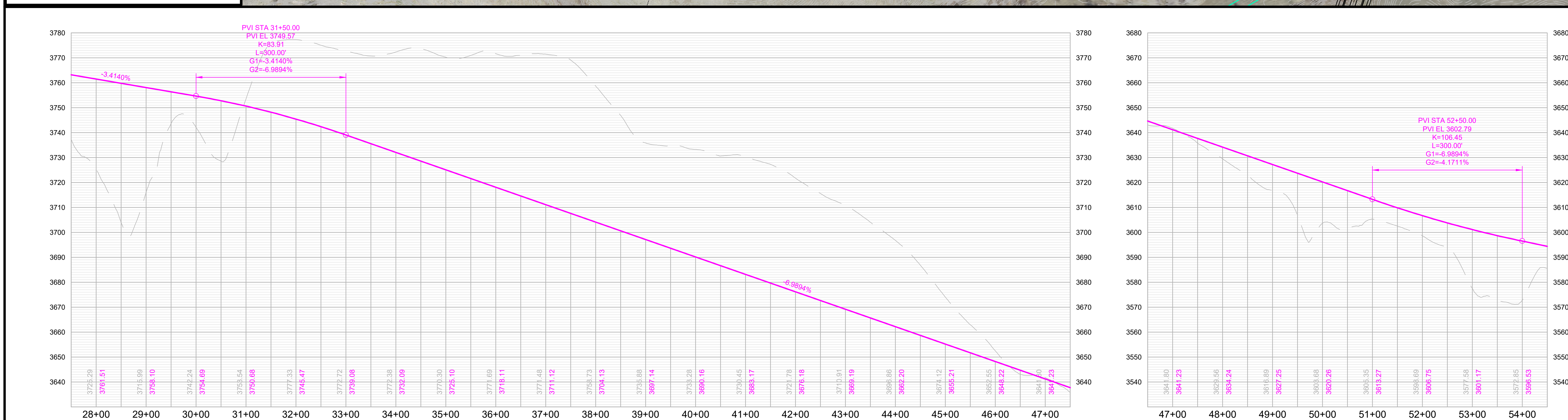


E-W Arterial South of Addison

Hwy 16 to Black Hills Blvd

SHEET





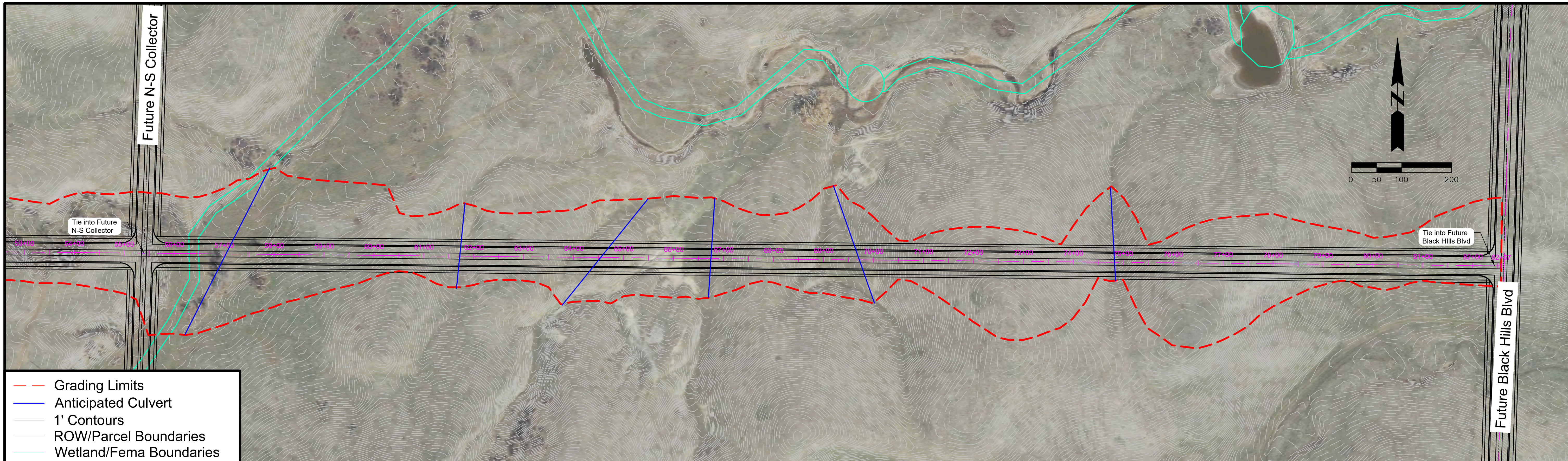
Metropolitan Planning Organization

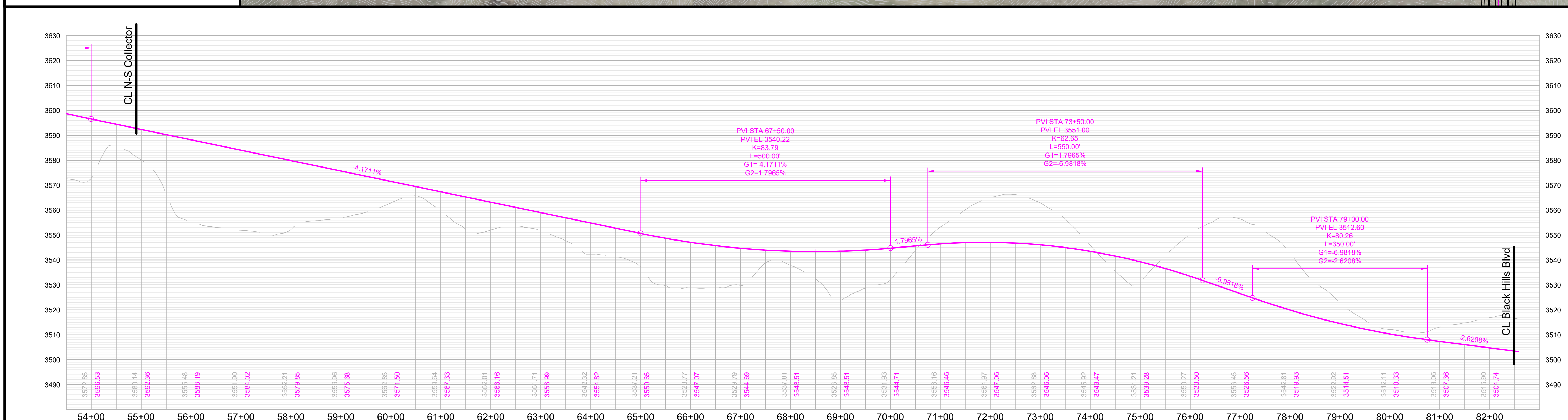
E-W Arterial South of Addison

Hwy 16 to Black Hills Blvd

SHEET

2 of 3





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E-W Arterial South of Addison

Hwy 16 to Black Hills Blvd

SHEET

E Fairmont Boulevard
Cambell Street to Elk Vale Road

Classification: Minor Arterial

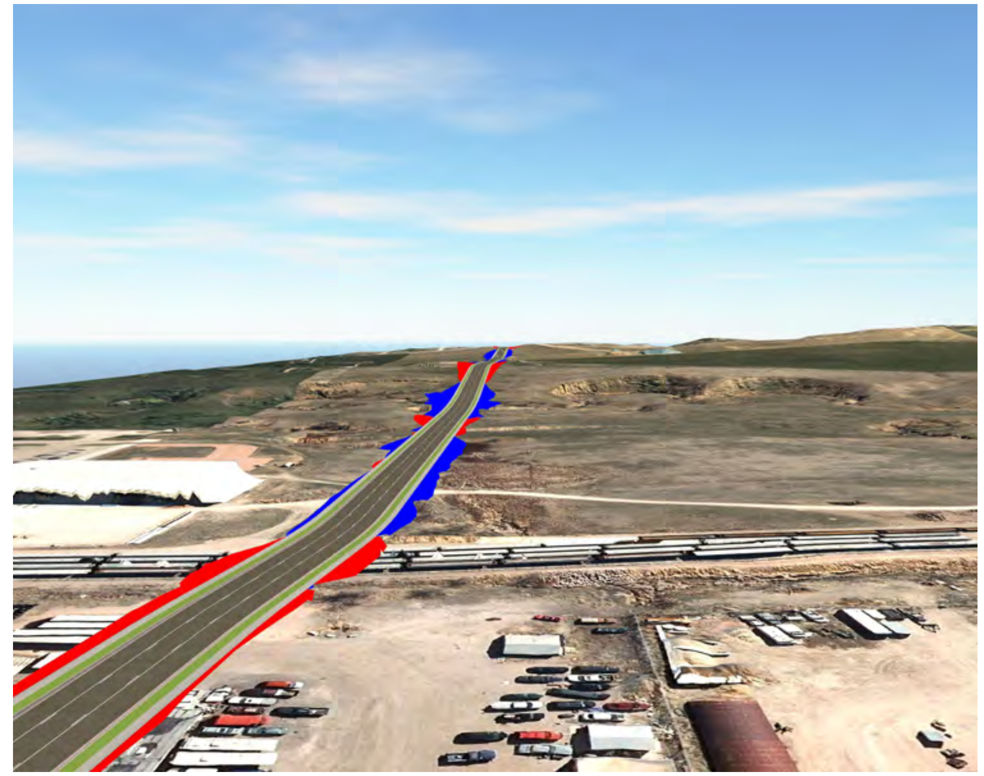
Corridor Length: 6,600 FT

Estimated Quantities

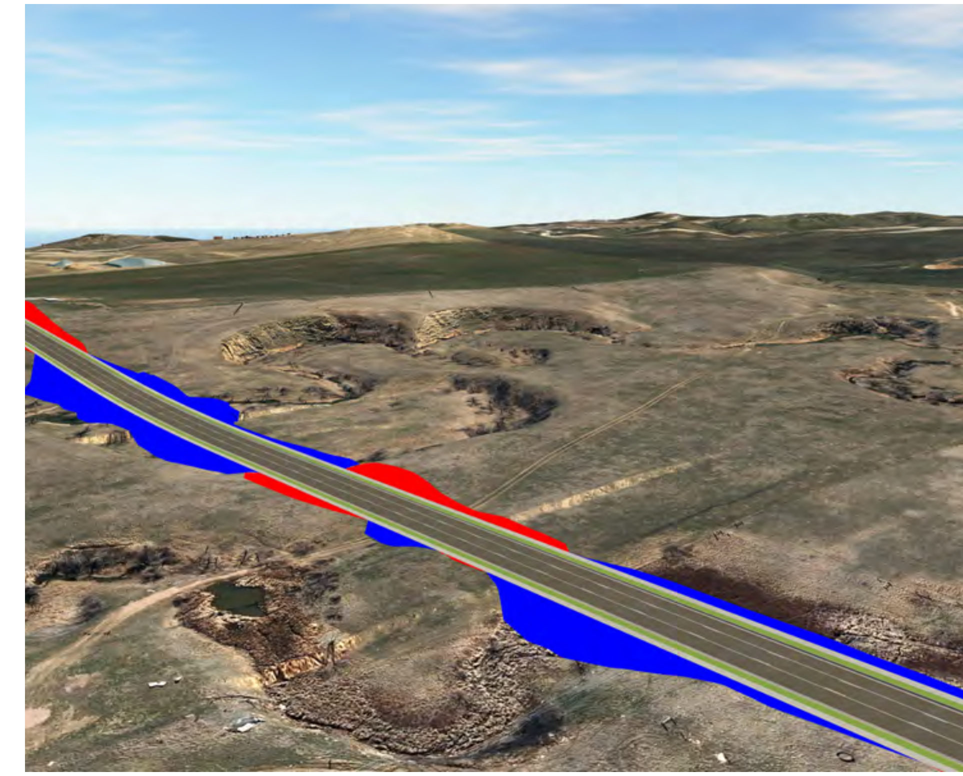
- **Road Surface:** 26,400 SY
- **Earthwork Cut (Red):** 52,326 CY
- **Earthwork Fill (Blue):** 103,700 CY

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.



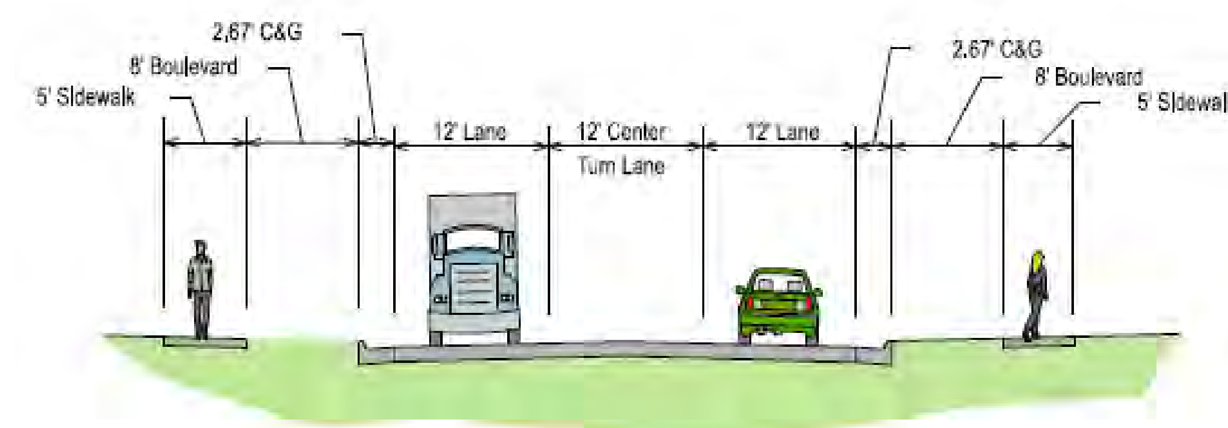
Isometric looking east at station 9+00

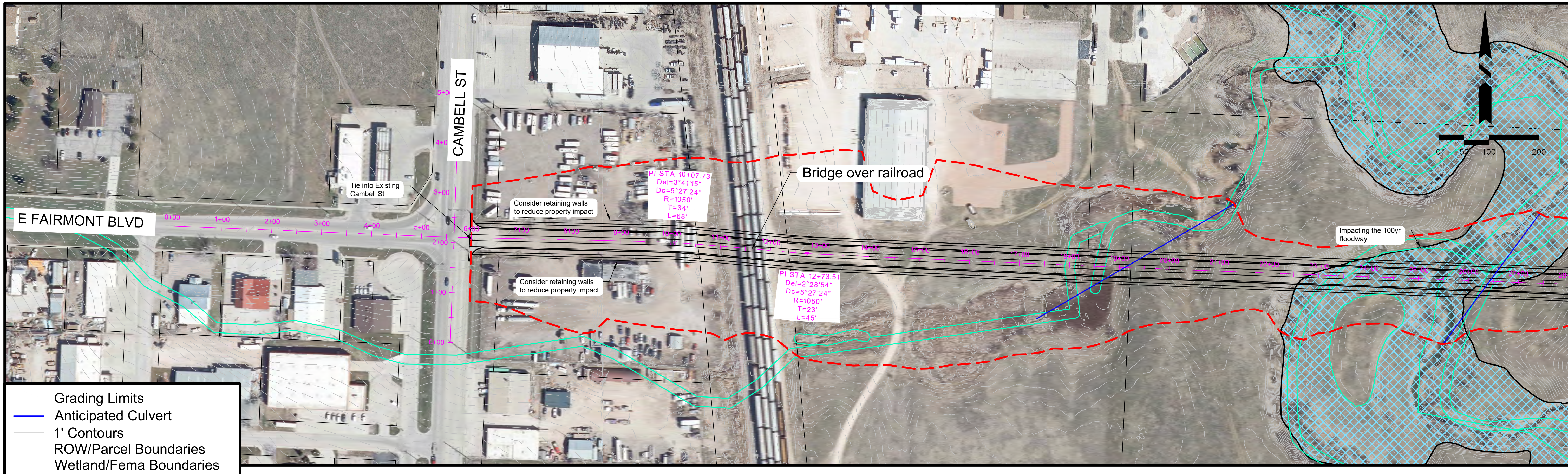


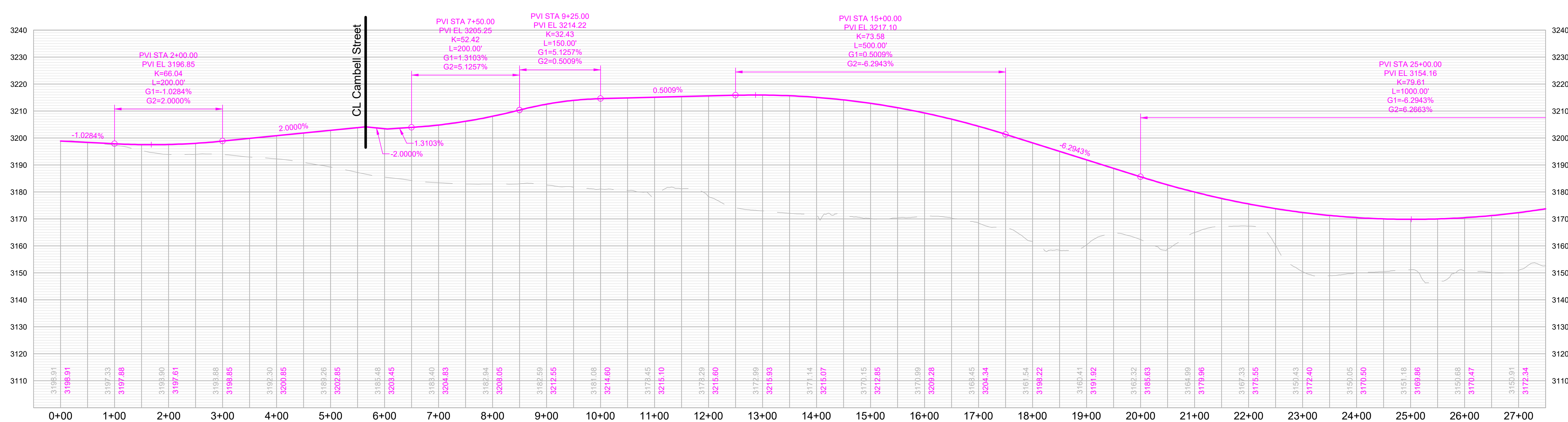
Isometric looking southeast at station 18+00

Segment Overview

Proposed Typical Section
3 Lane Minor Arterial





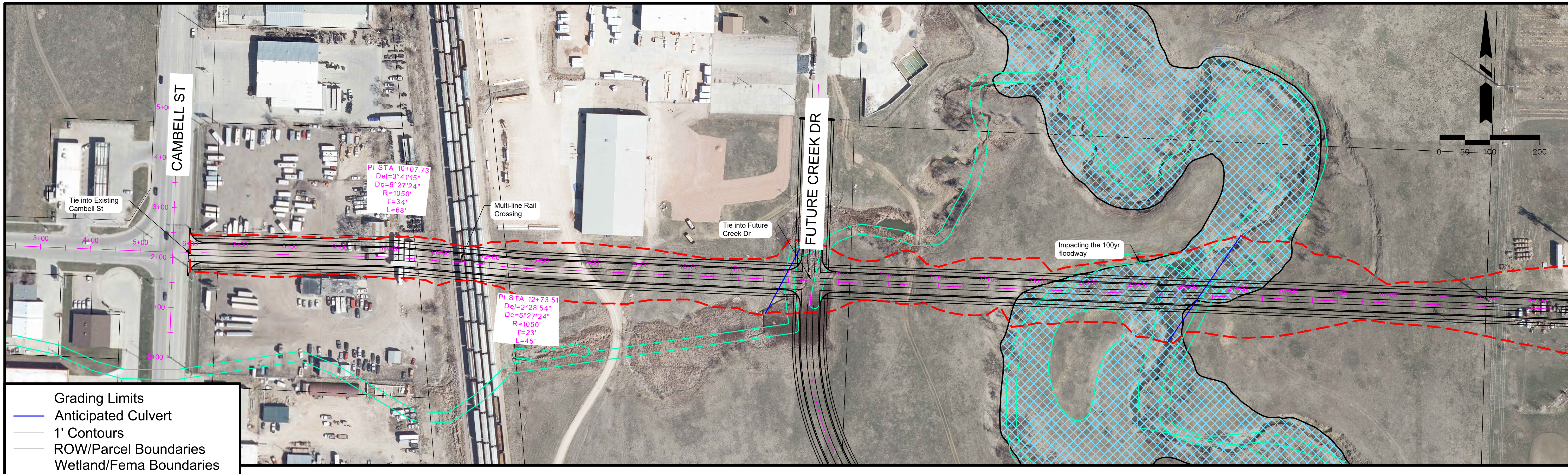


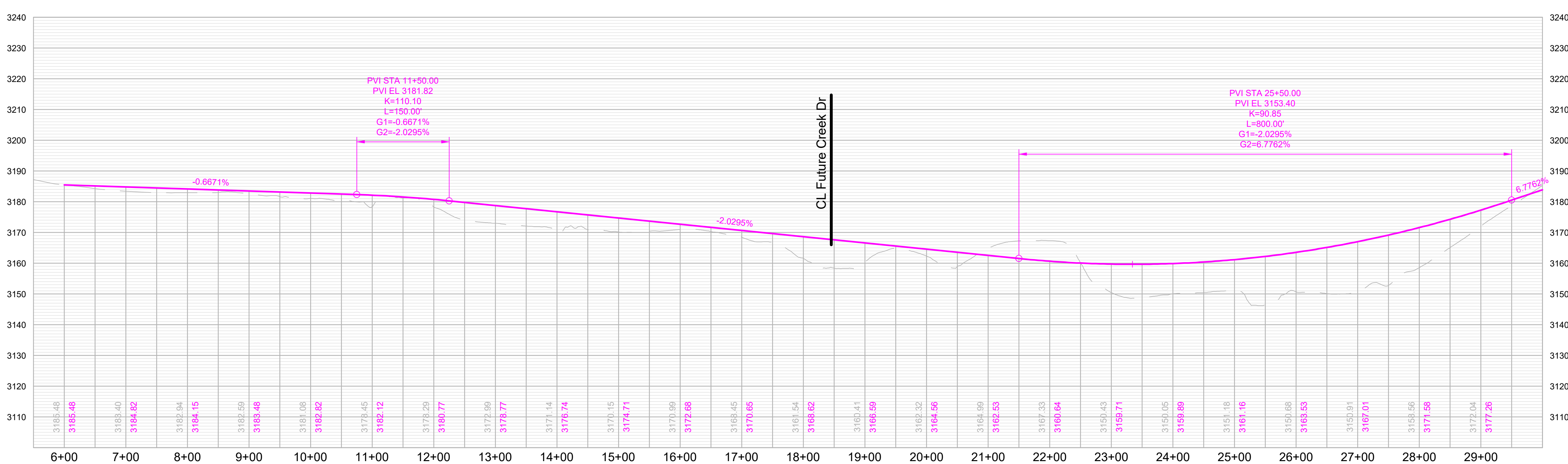
Fairmont Boulevard

Cambell St to Elk Vale Rd

SHEET

1 of 3





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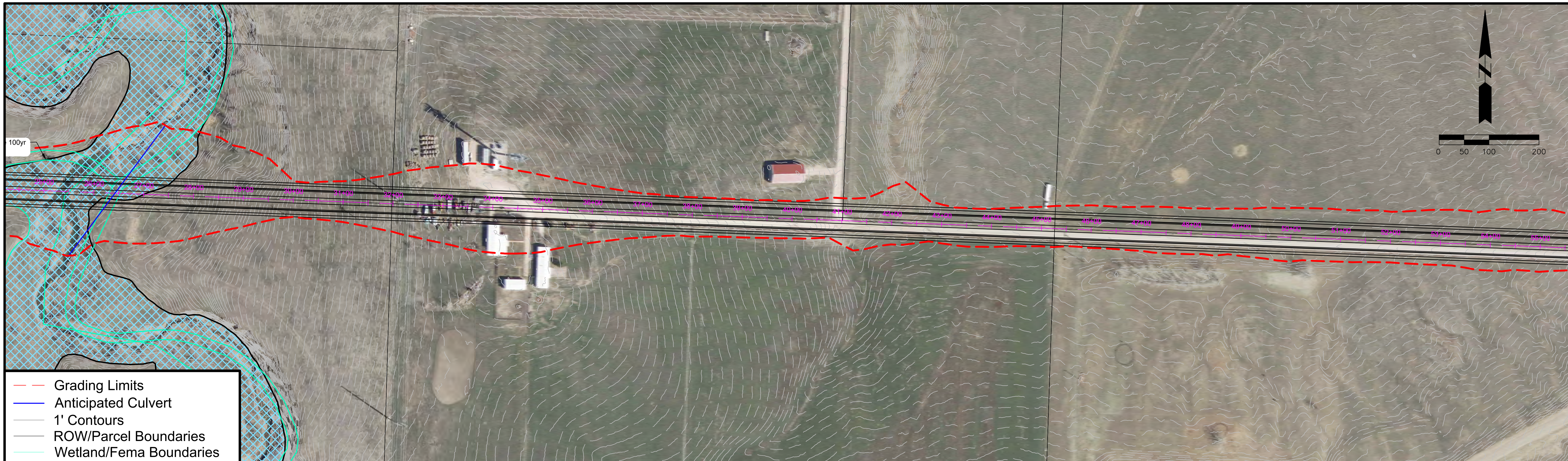
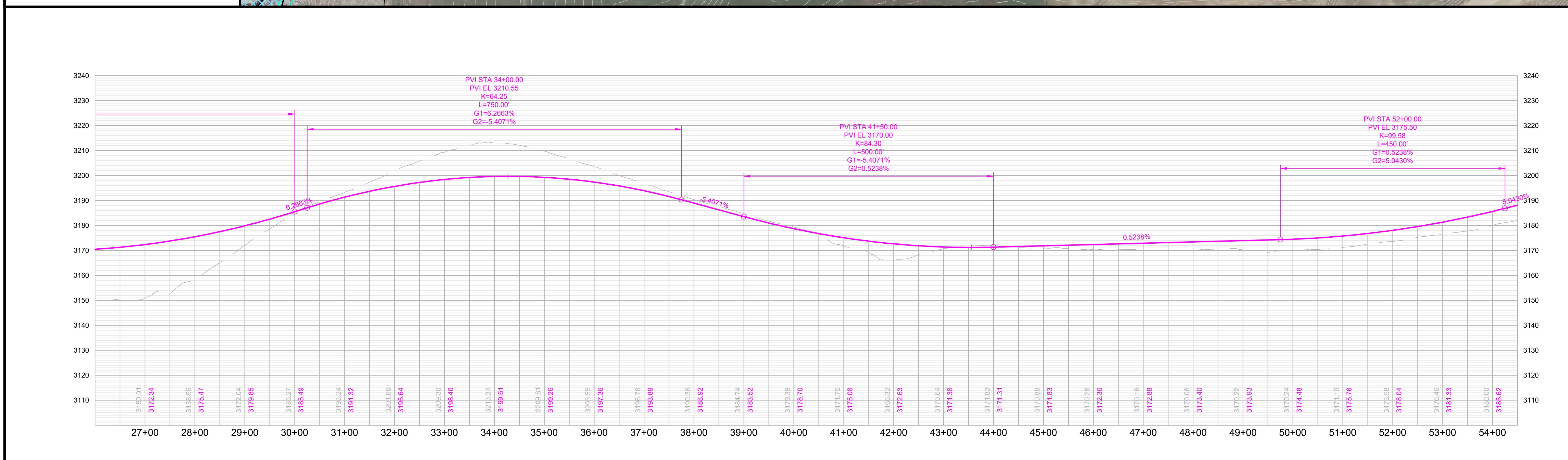
Fairmont Boulevard

Cambell St to Elk Vale Rd
ALTERNATE AT GRADE RAIL CROSSING OPTION

SHEET
1A





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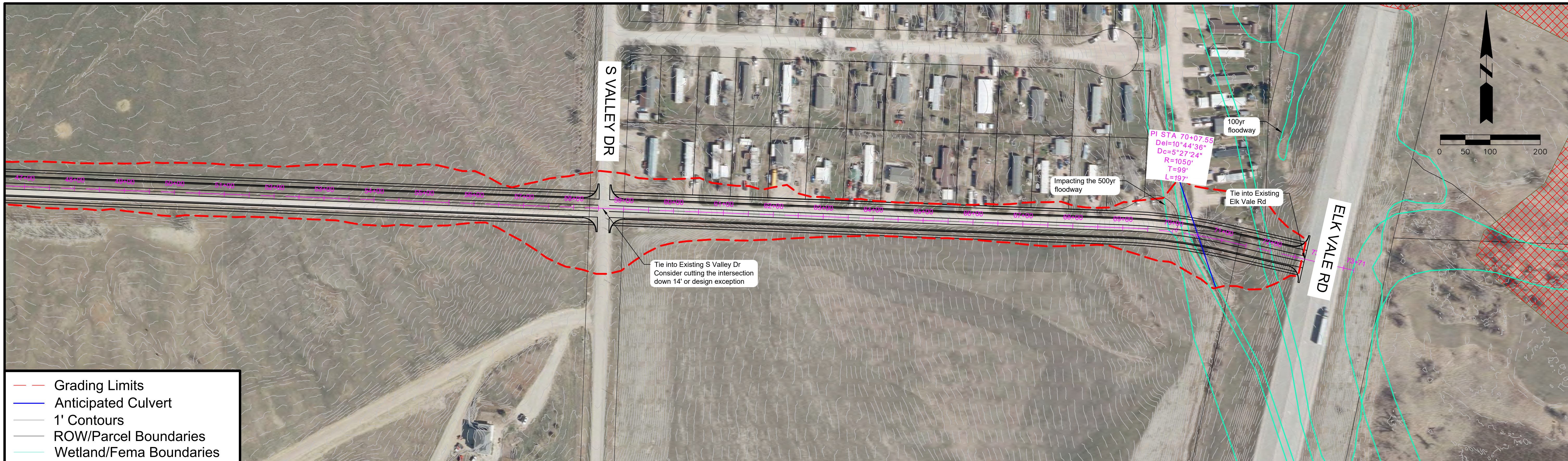
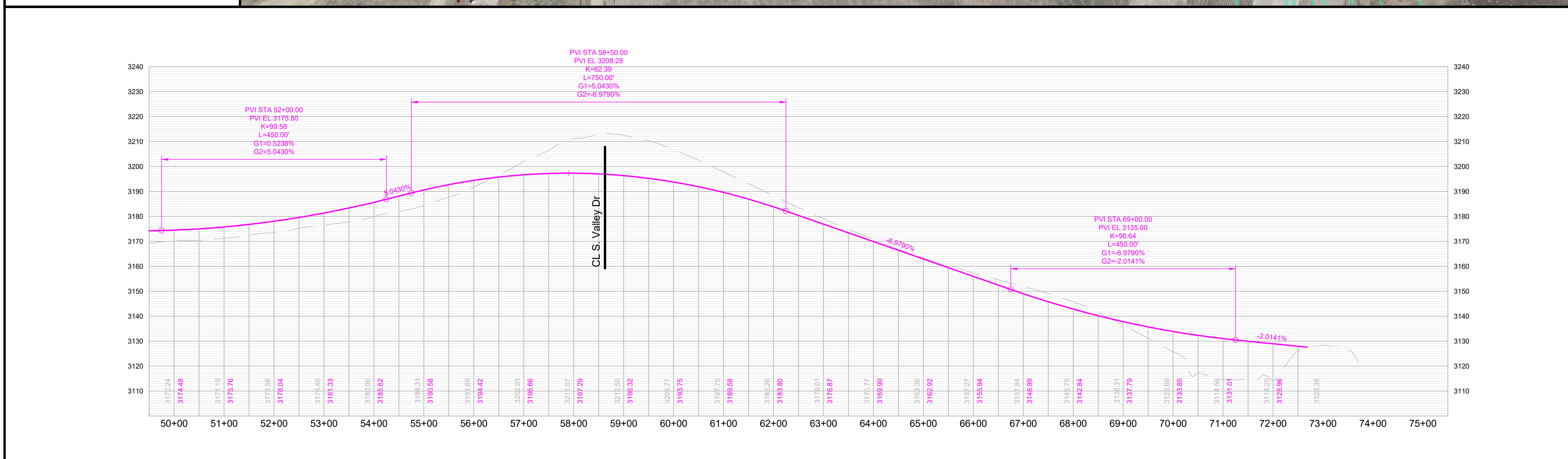
Fairmont Boulevard

Cambell St to Elk Vale Rd

SHEET

2 of 3





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Fairmont Boulevard

Cambell St to Elk Vale Rd

SHEET

Les Hollers Way

Sheridan Lake Road to Catron Boulevard

Classification: Principal Arterial

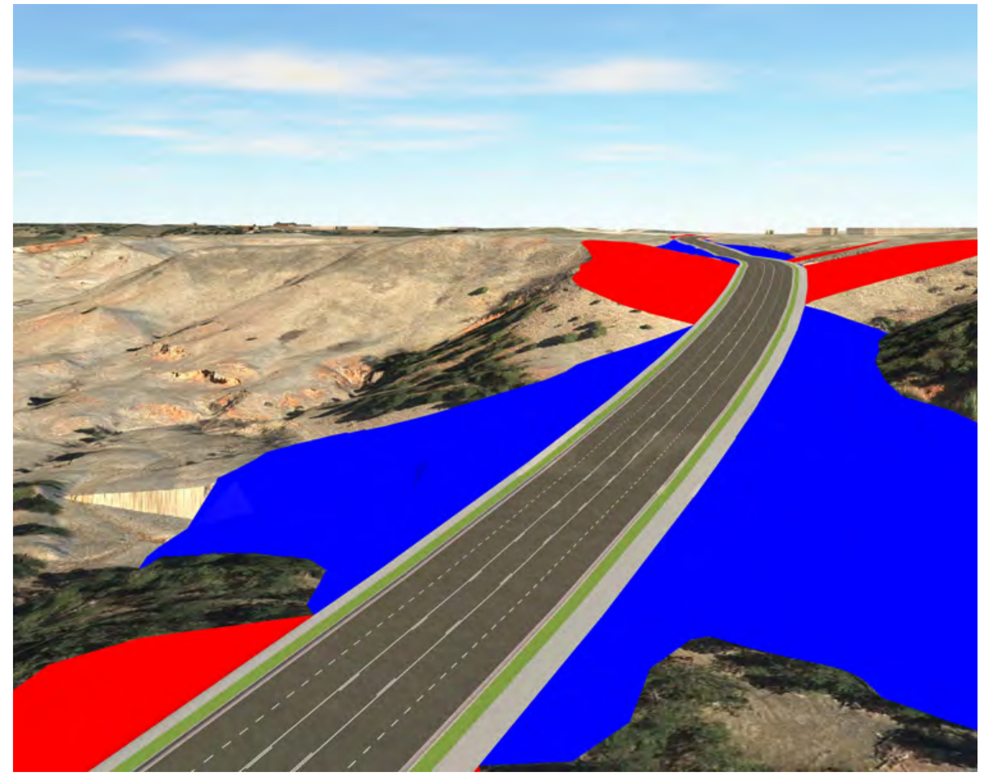
Corridor Length: 5,800 FT

Estimated Quantities

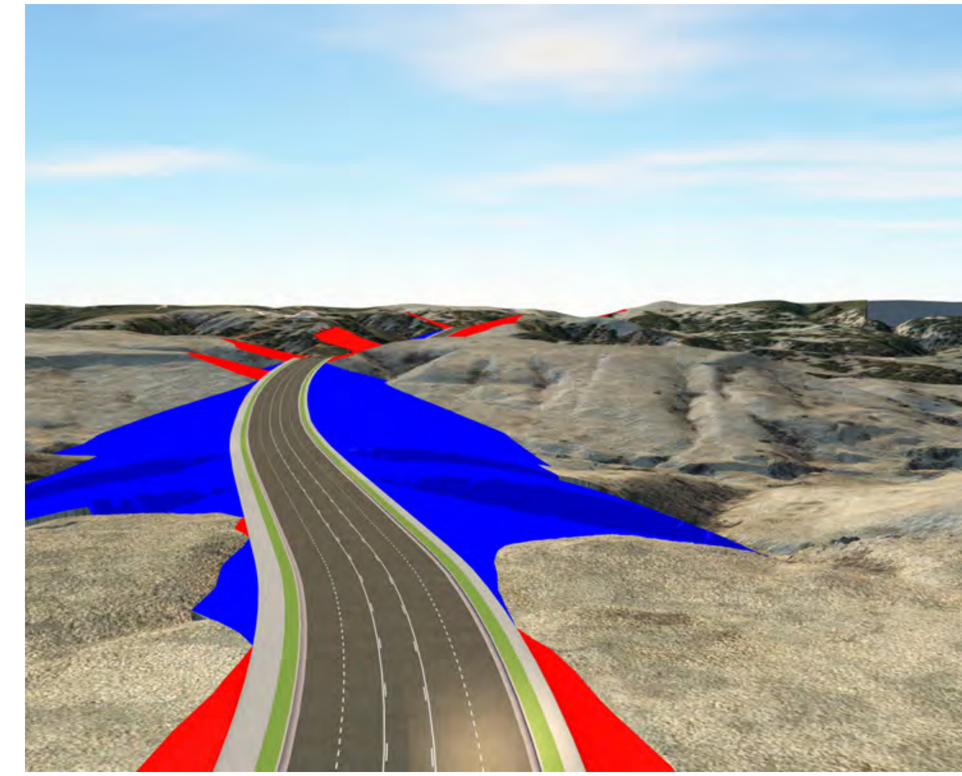
- **Road Surface:** 37,378 SY
- **Earthwork Cut (Red):** 452,979 CY
- **Earthwork Fill (Blue):** 1,875,393 CY

Segment Considerations:

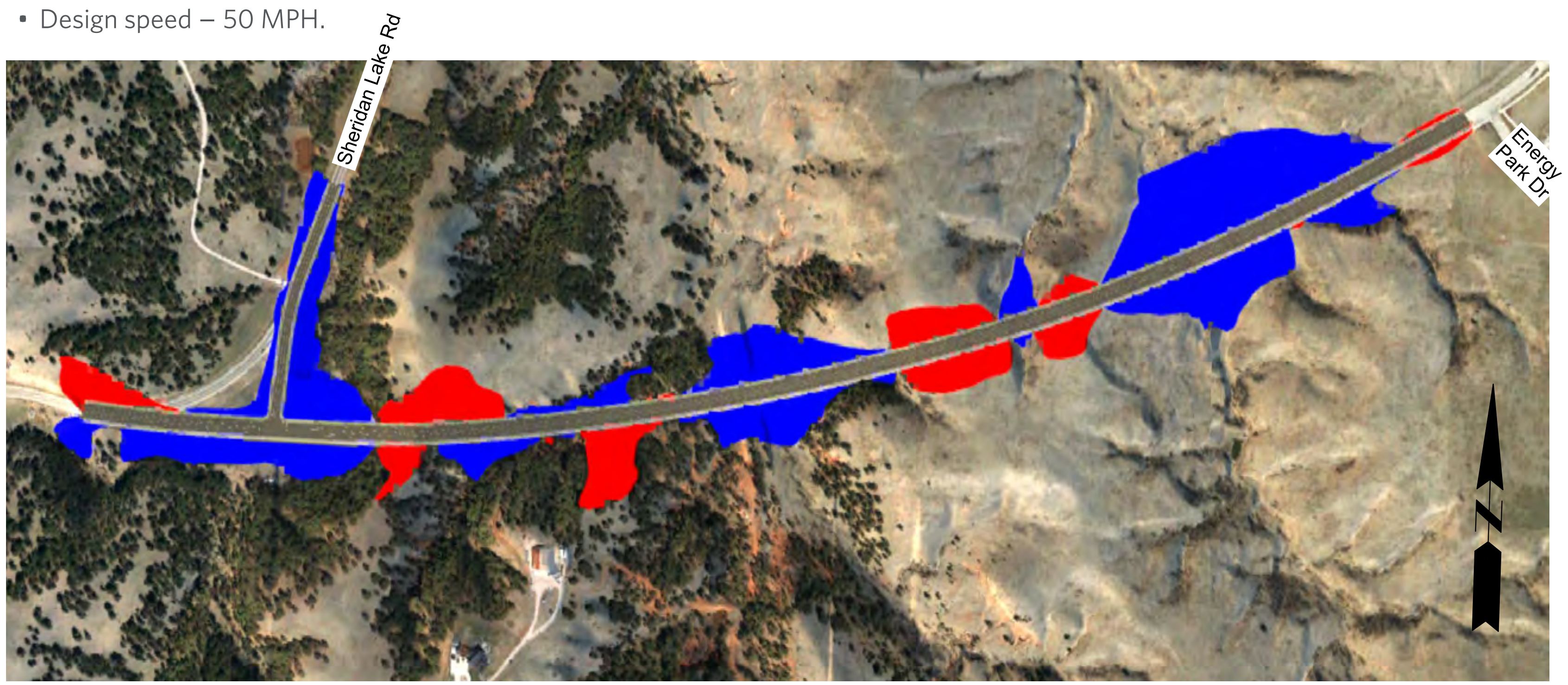
- Re-alignment of Sheridan Lake Road required on west end for proposed configuration. Conceptual alternative intersection at Catron Boulevard provided should traffic volumes on Les Hollers exceed Catron Boulevard volumes west of US Hwy 16.
- Design speed – 50 MPH.



Isometric looking northeast at station 29+00



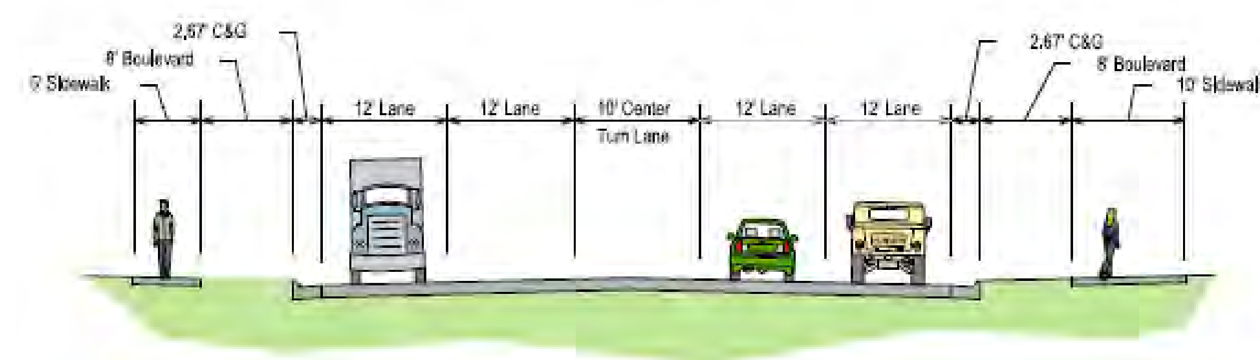
Isometric looking southwest at station 62+00

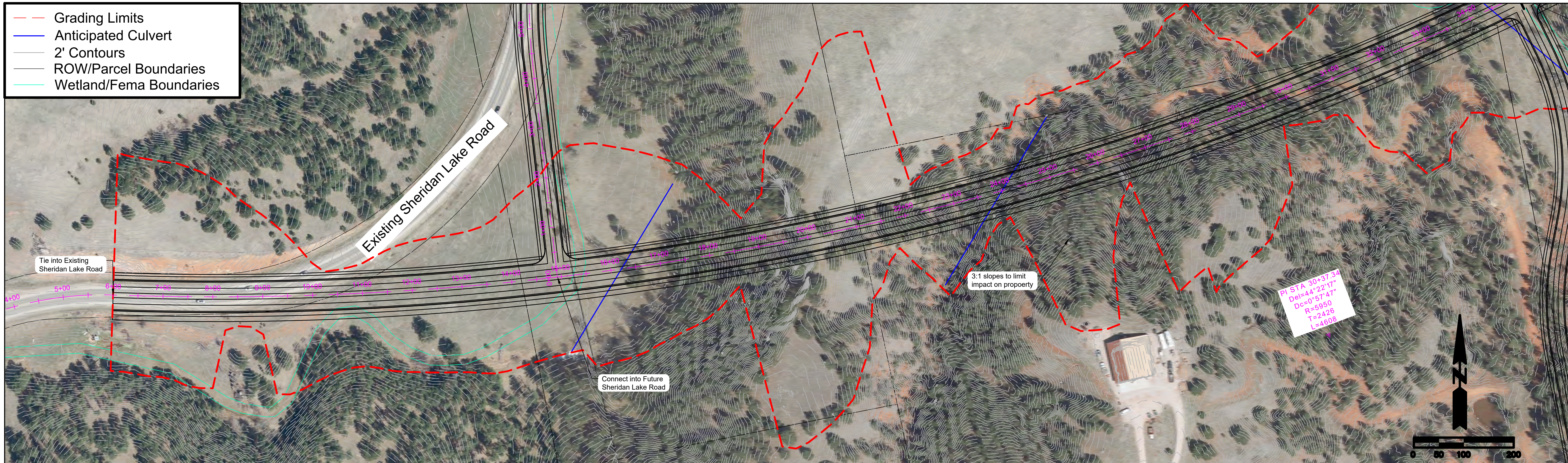


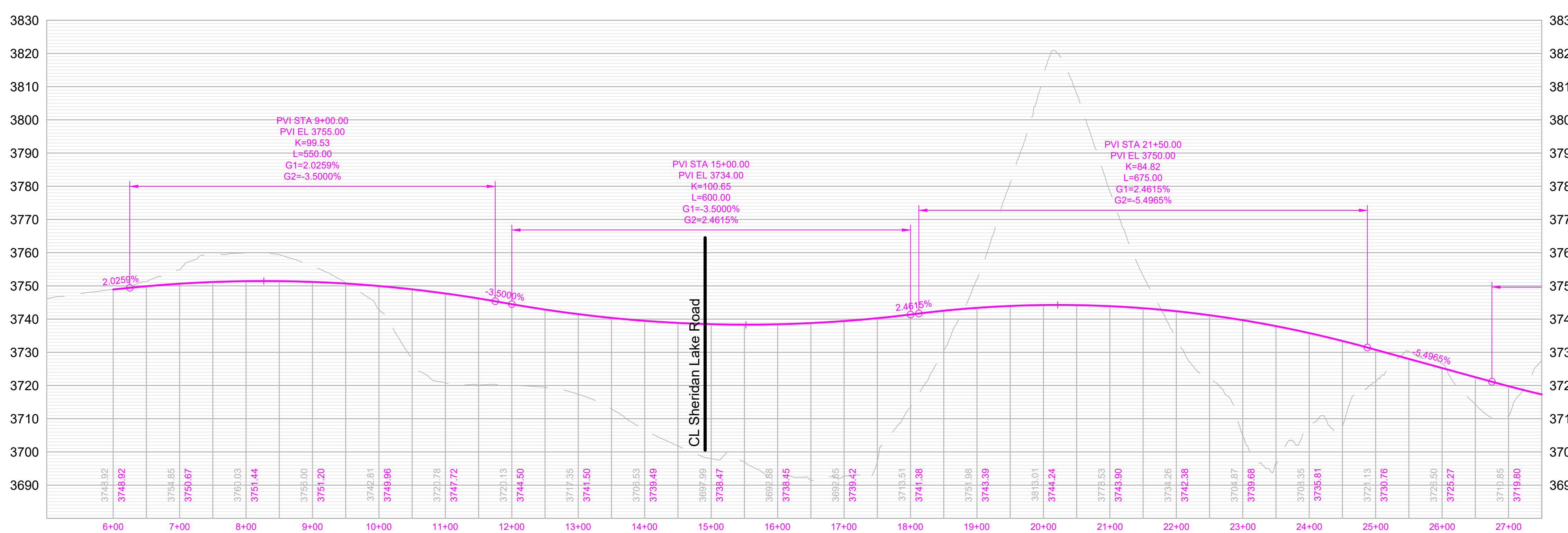
Segment Overview

Proposed Typical Section

5 Lane Principal Arterial







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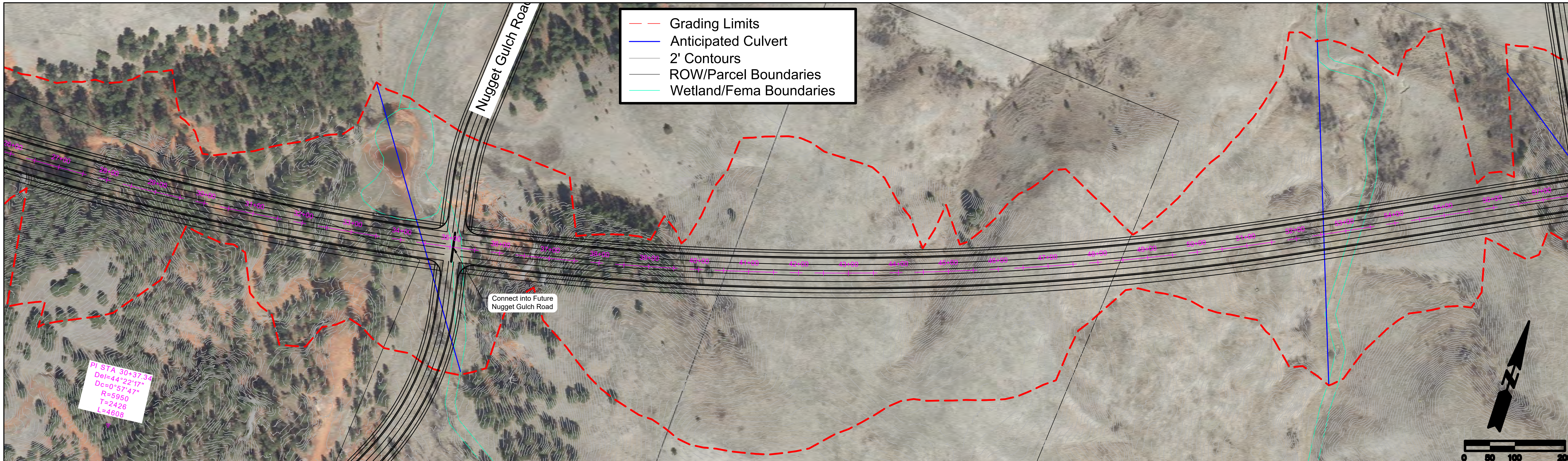
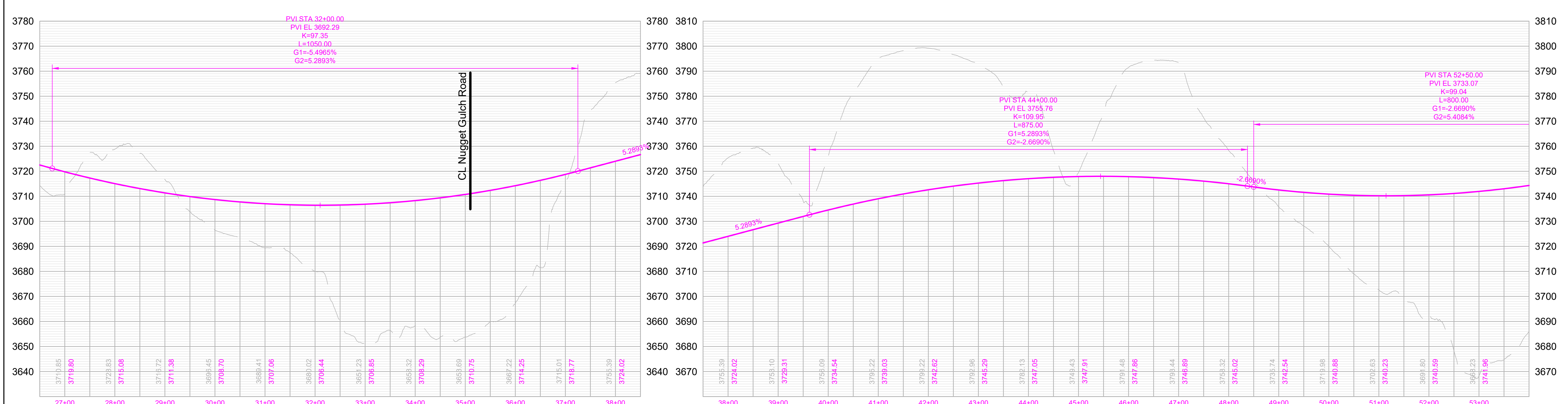
Les Hollers Way

Sheridan Lake Rd to Catron

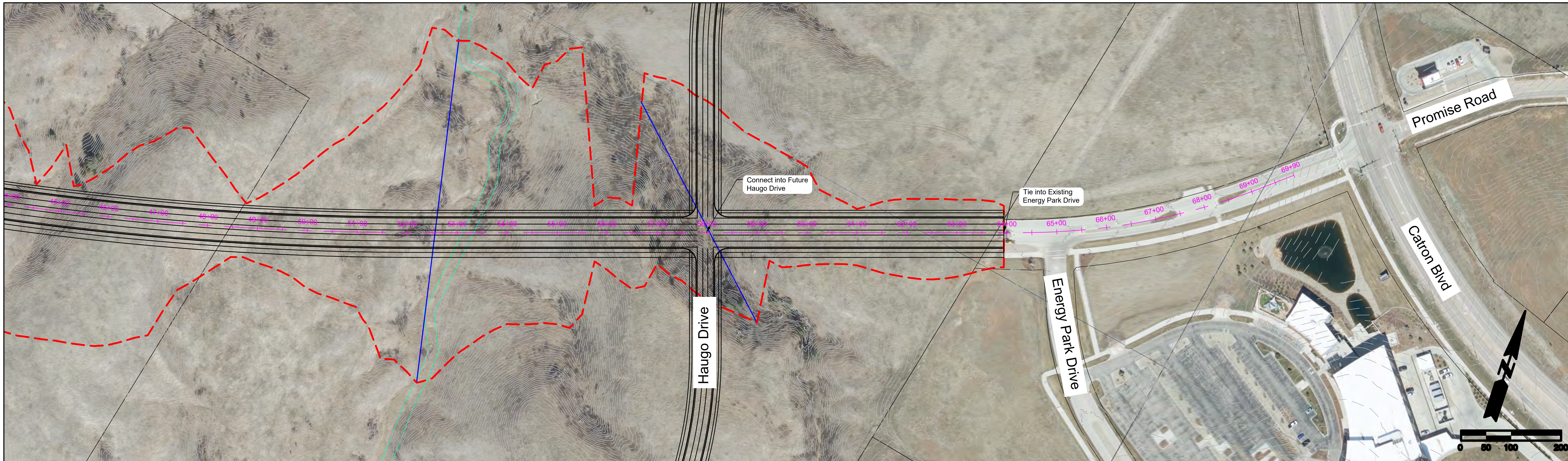


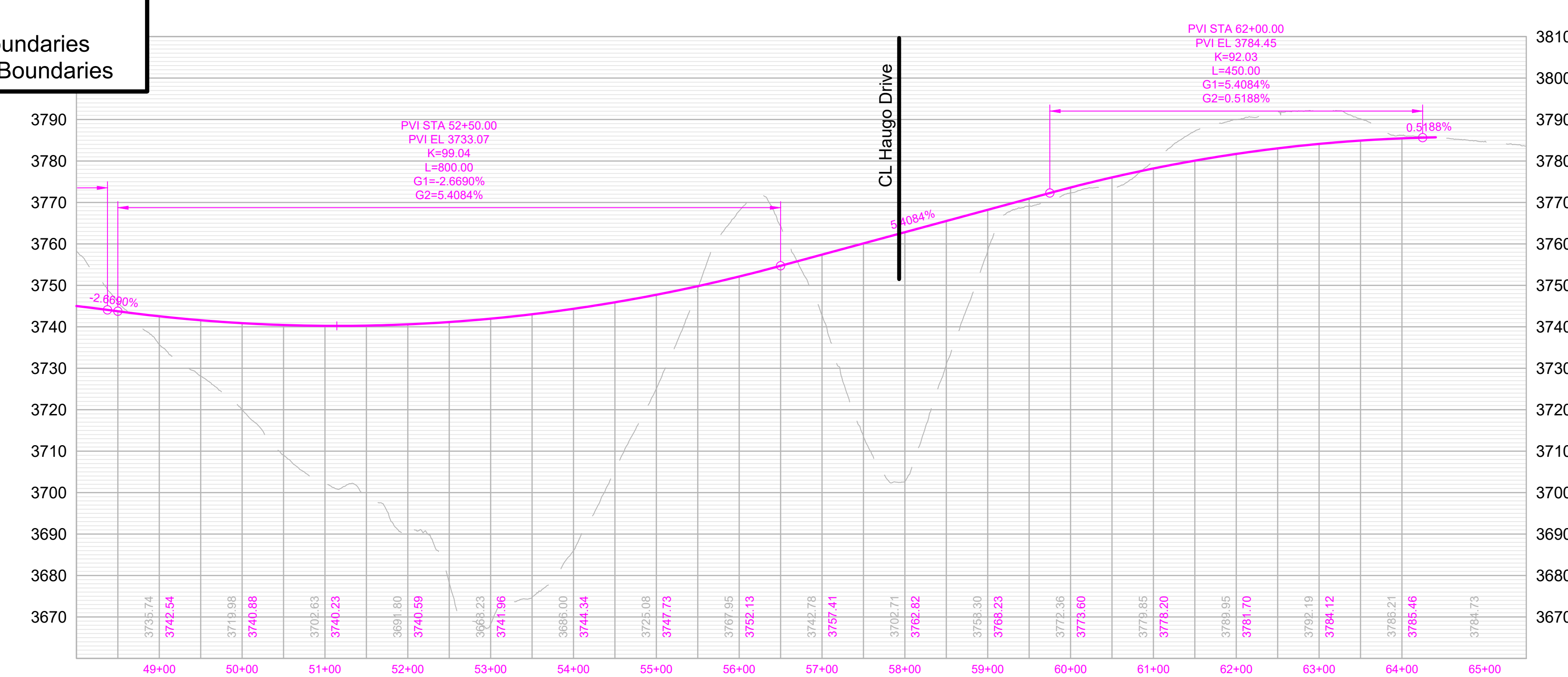


Les Hollers Way

Sheridan Lake Rd to Catron

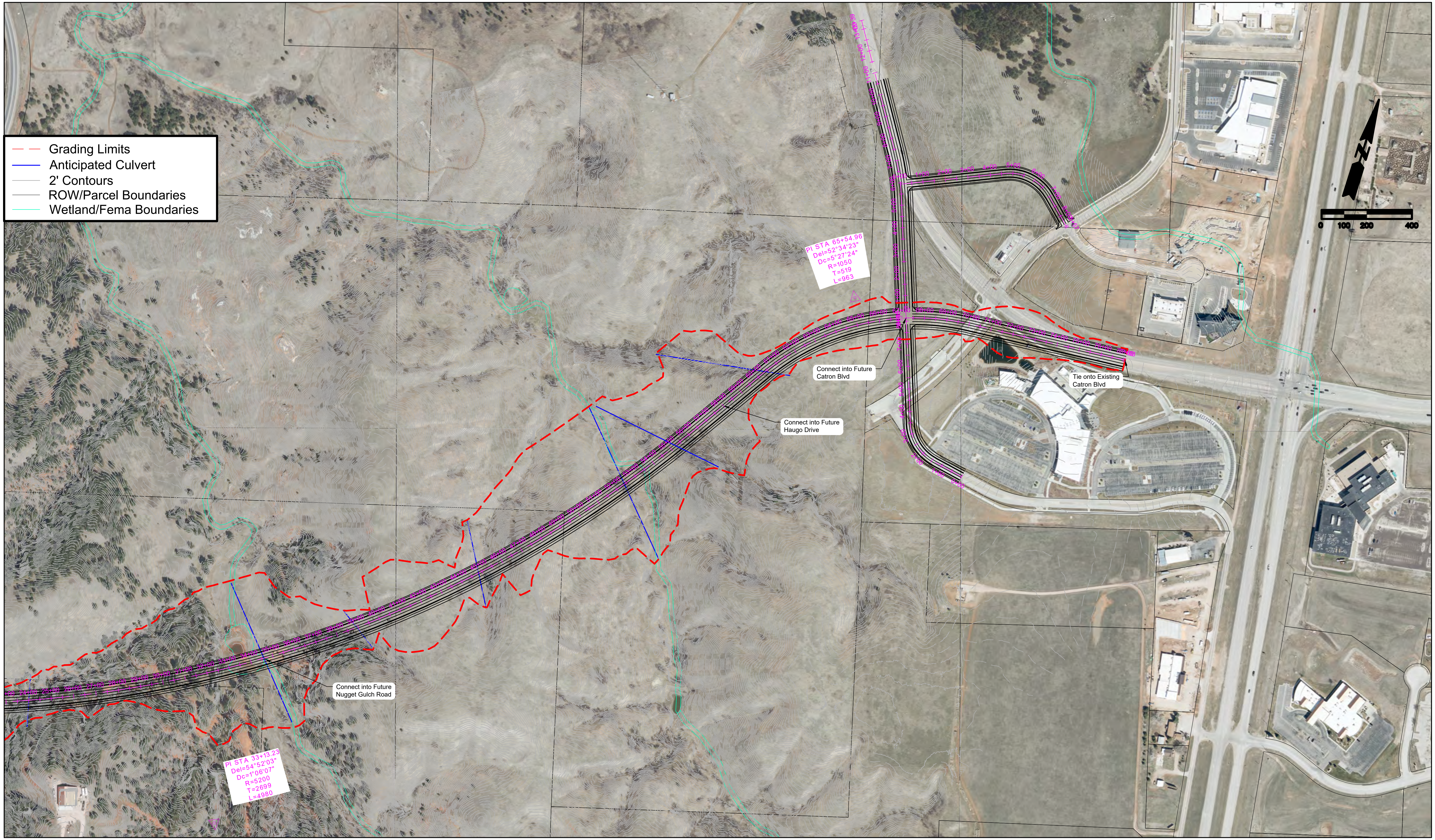
SHEET





Les Hollers Way

Sheridan Lake Rd to Catron



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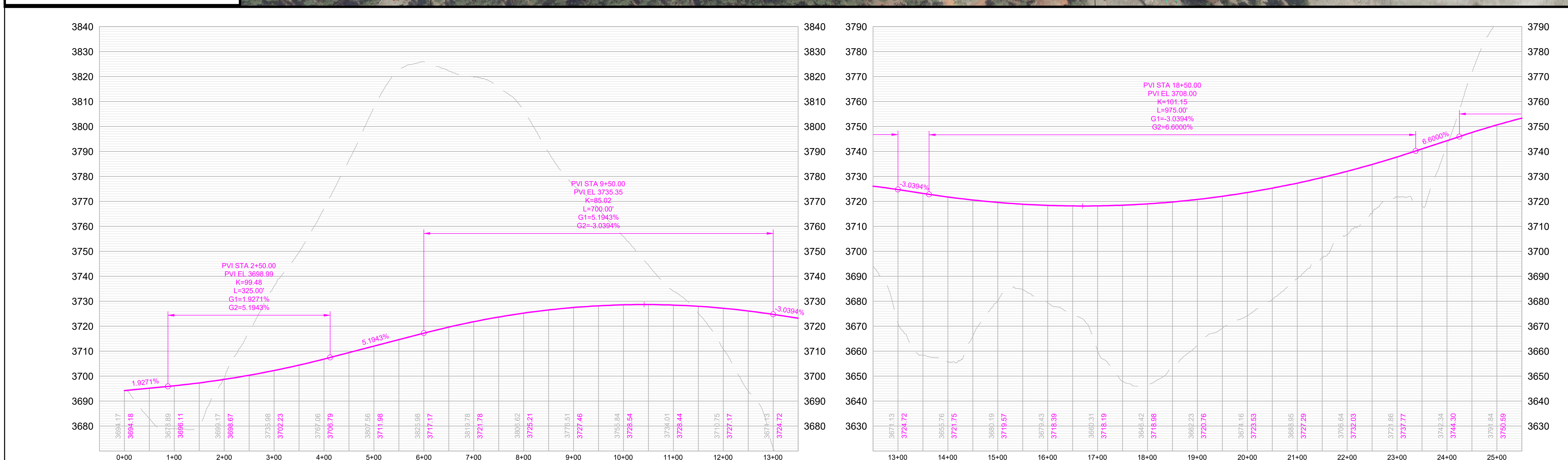
Les Hollers Way

Sheridan Lake Rd to Catron Blvd

North Intersection Layout Alternate 1

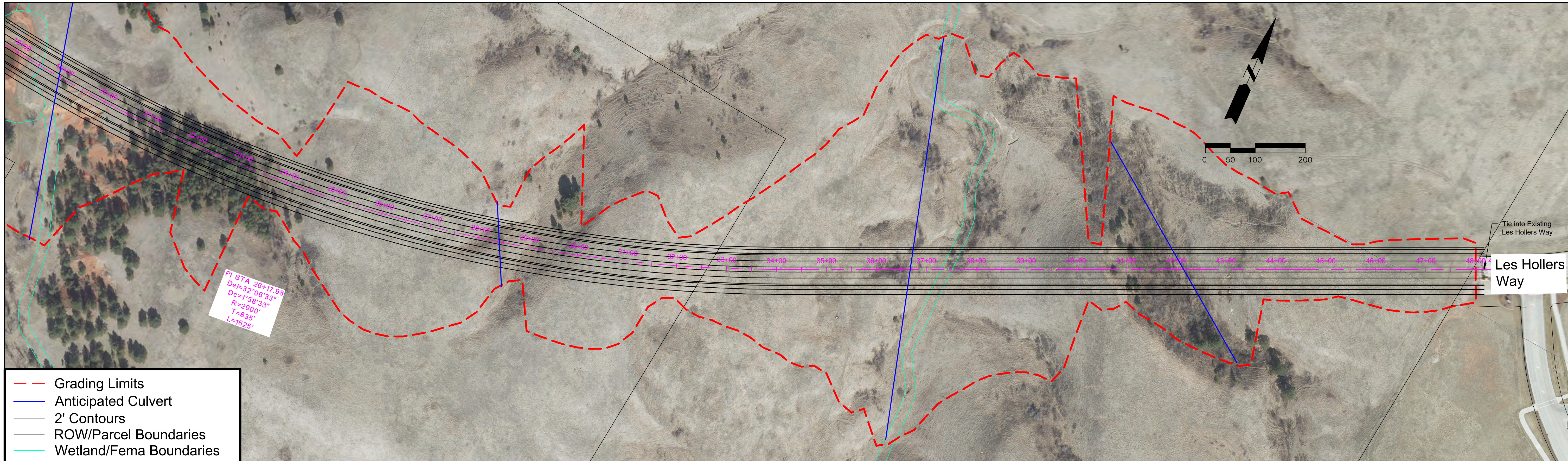
SHEET

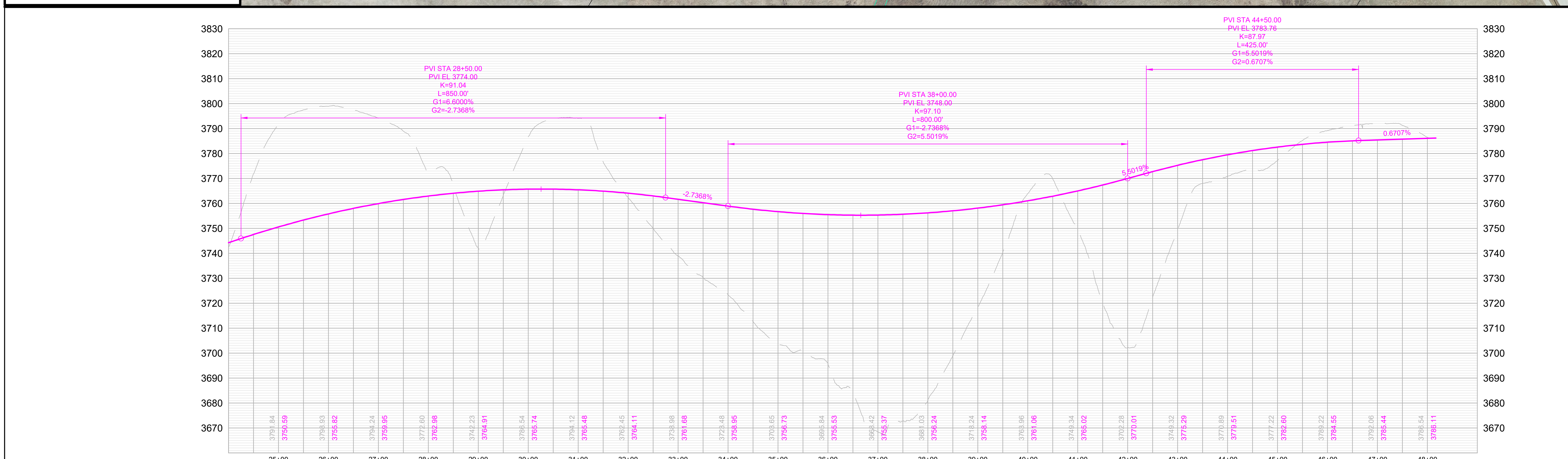


Les Hollers Way

Sheridan Lake Rd to Catron Blvd
Layout Alternative 2

SHEET
5 of 6





Les Hollers Way

Sheridan Lake Rd to Catron Blvd
Layout Alternate 2

Segment ID: 11

E Minnesota Street
Cambell Street to S Valley Drive

Classification: Minor Arterial

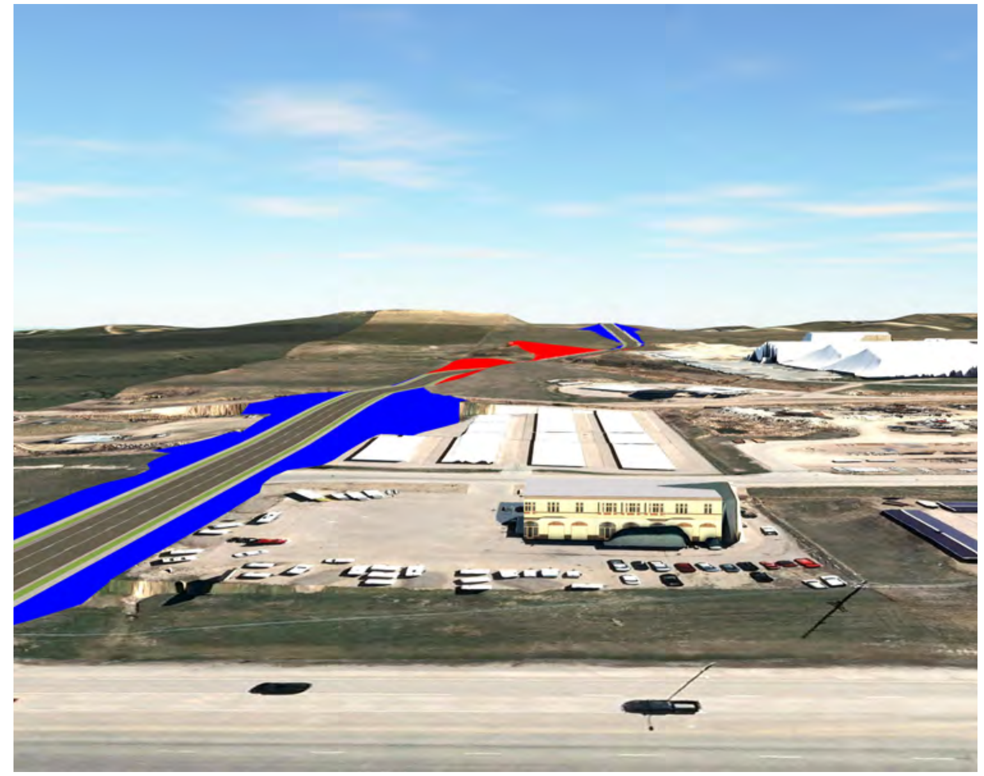
Corridor Length: 5,100 FT

Estimated Quantities

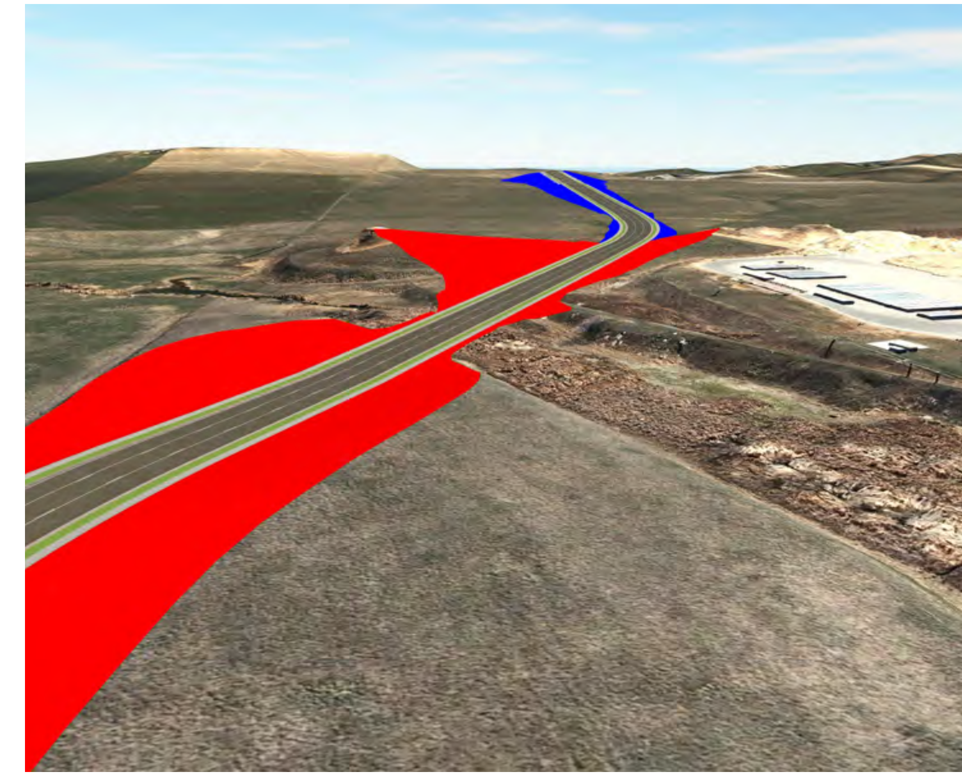
- **Road Surface:** 20,400 SY
- **Earthwork Cut (Red):** 22,683 CY
- **Earthwork Fill (Blue):** 355,327 CY

Segment Considerations:

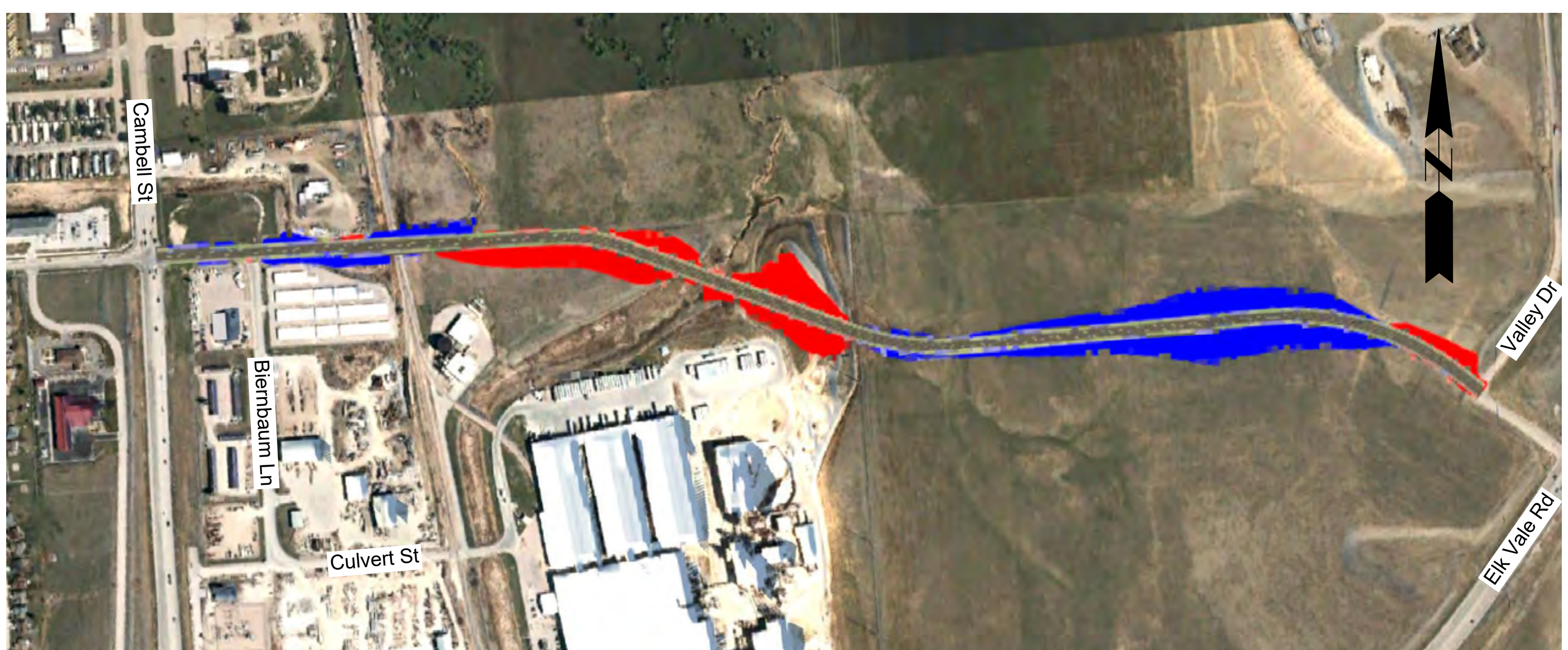
- Impacting the floodway and the 100-year floodplain.
- Single railroad track crossing.
- At grade and grade separated crossing were considered.
- K value for grade separated crossing does not meet minor arterial requirement.
- Design speed – 45 MPH.



Isometric looking east at station 0+00



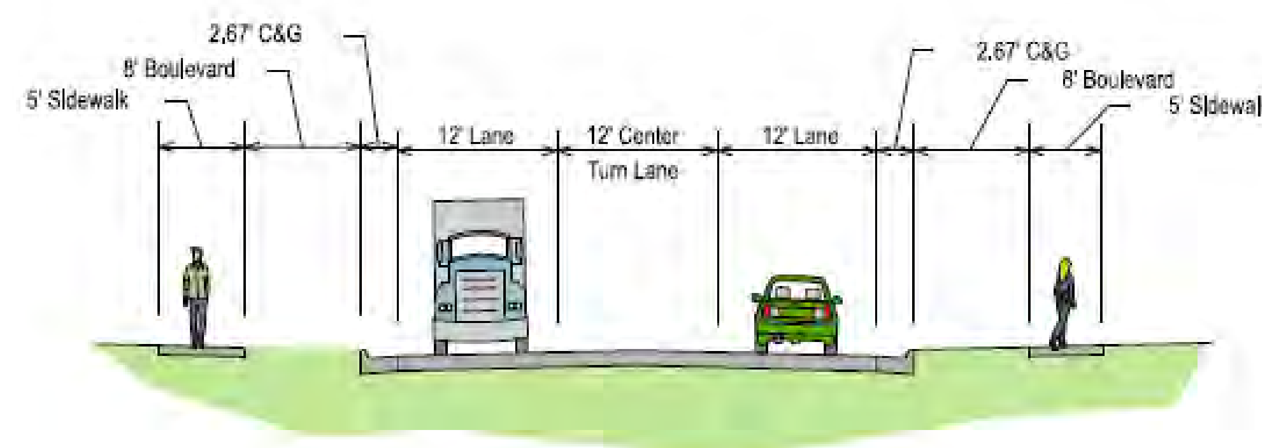
Isometric looking east at station 18+00

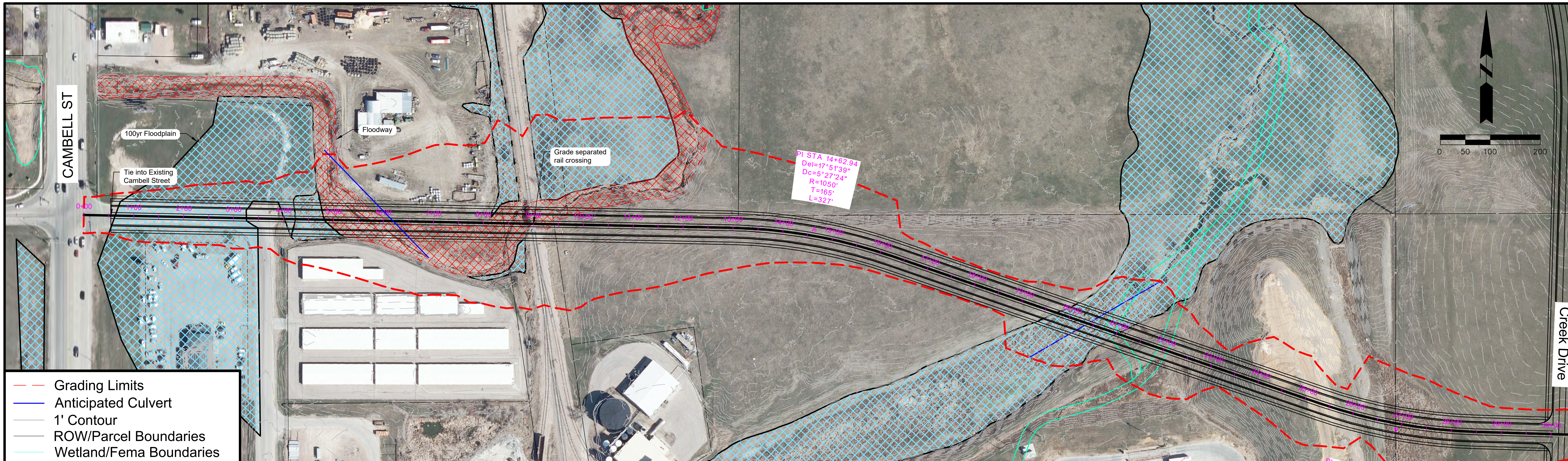


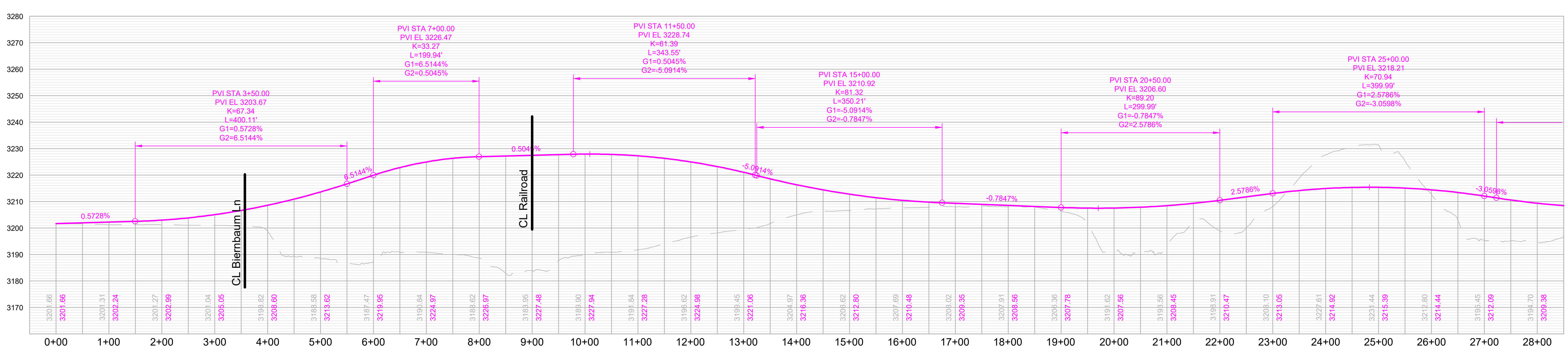
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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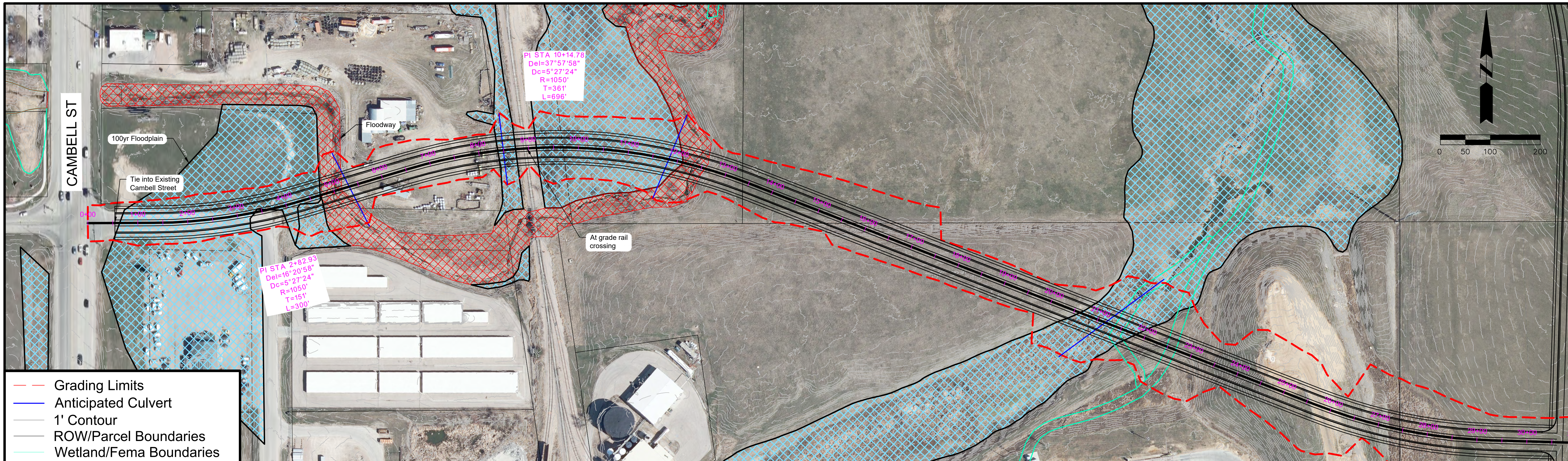
Minnesota Street

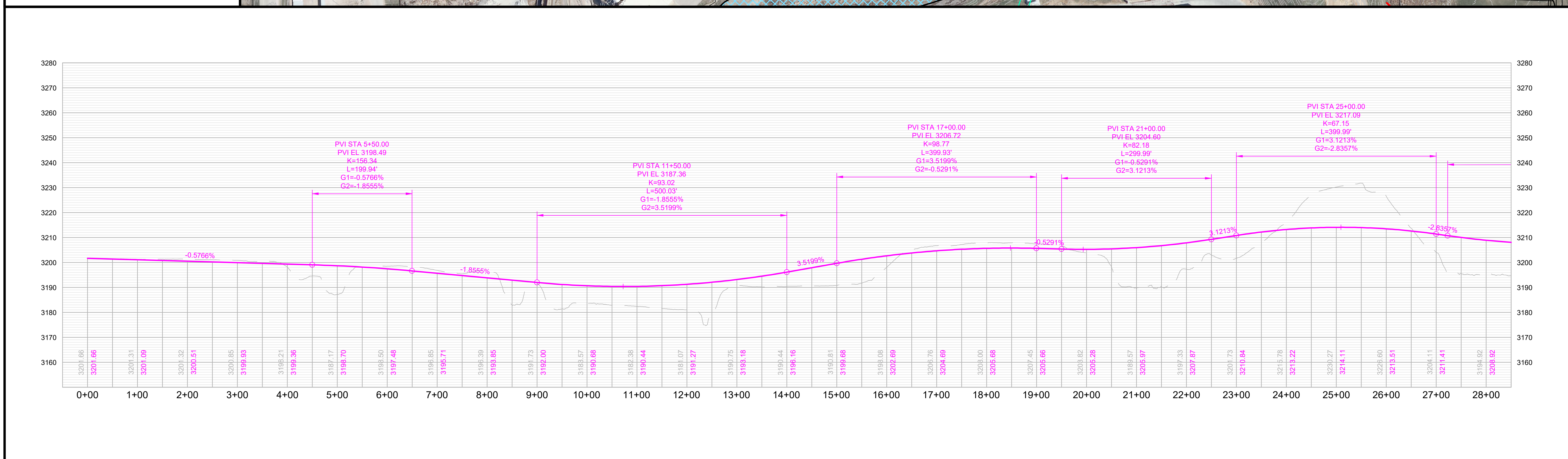
Cambell St to S Valley Dr

Grade Separate Rail Crossing Alternative

SHEET

1 of 2





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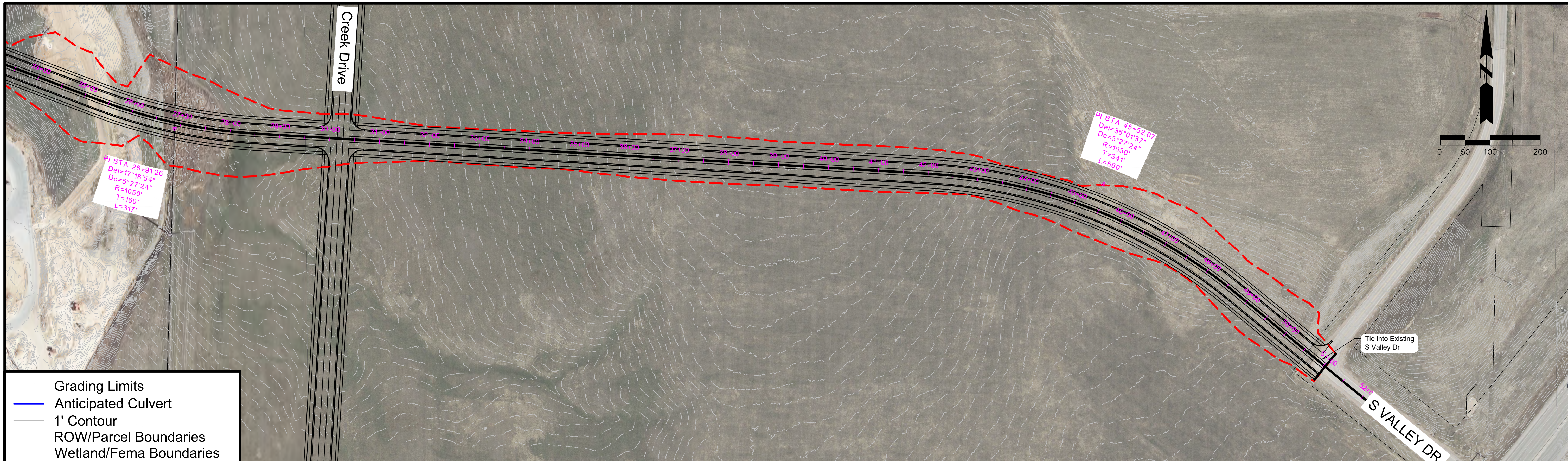
Minnesota Street

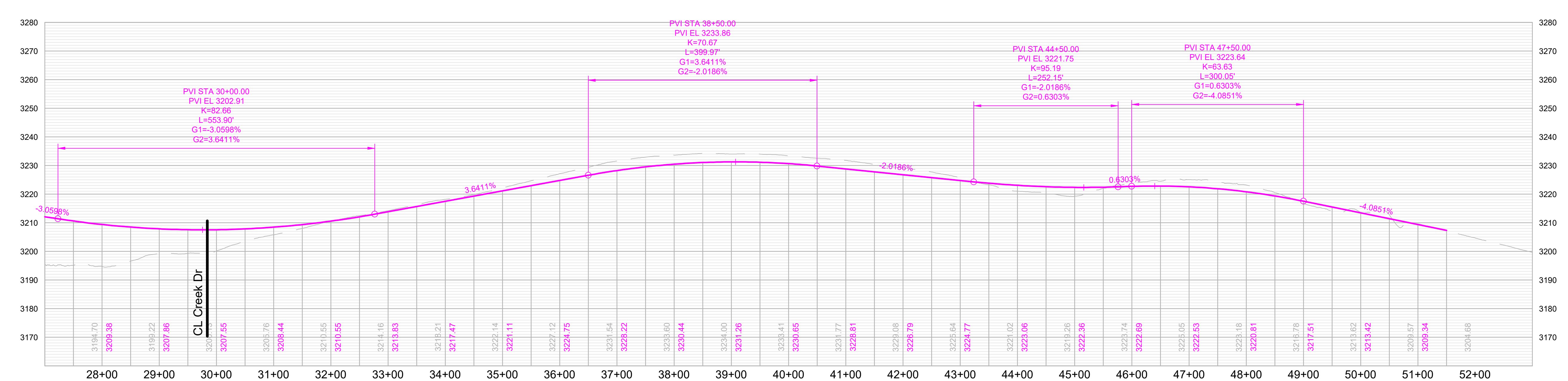
Cambell St to S Valley Dr

At Grade Rail Crossing Alternative

SHEET

1A of 2





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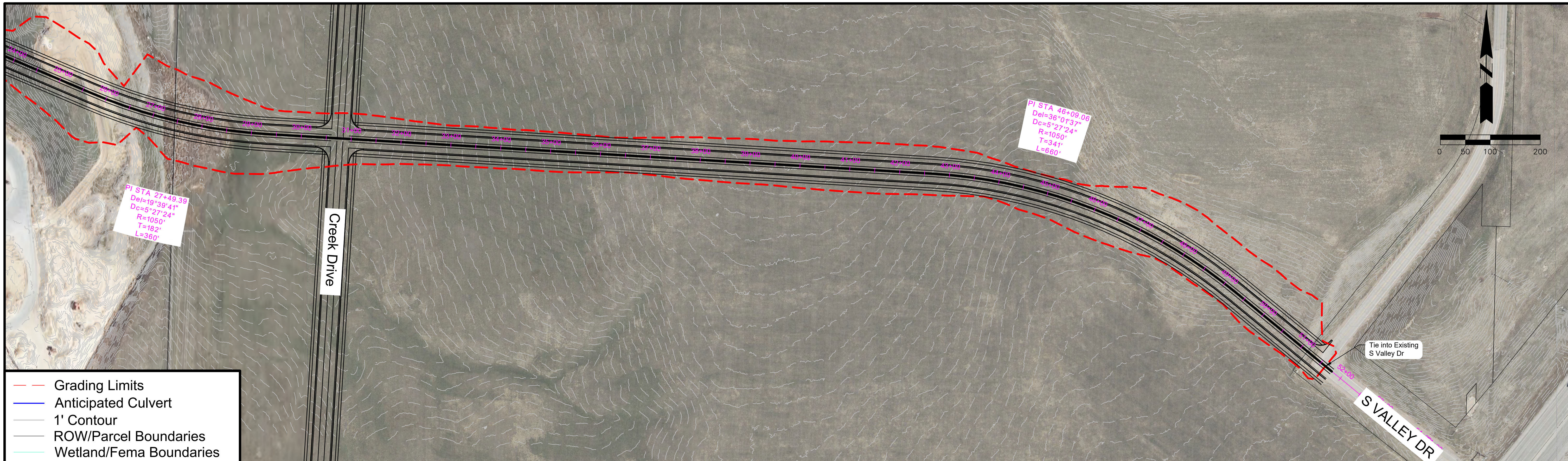
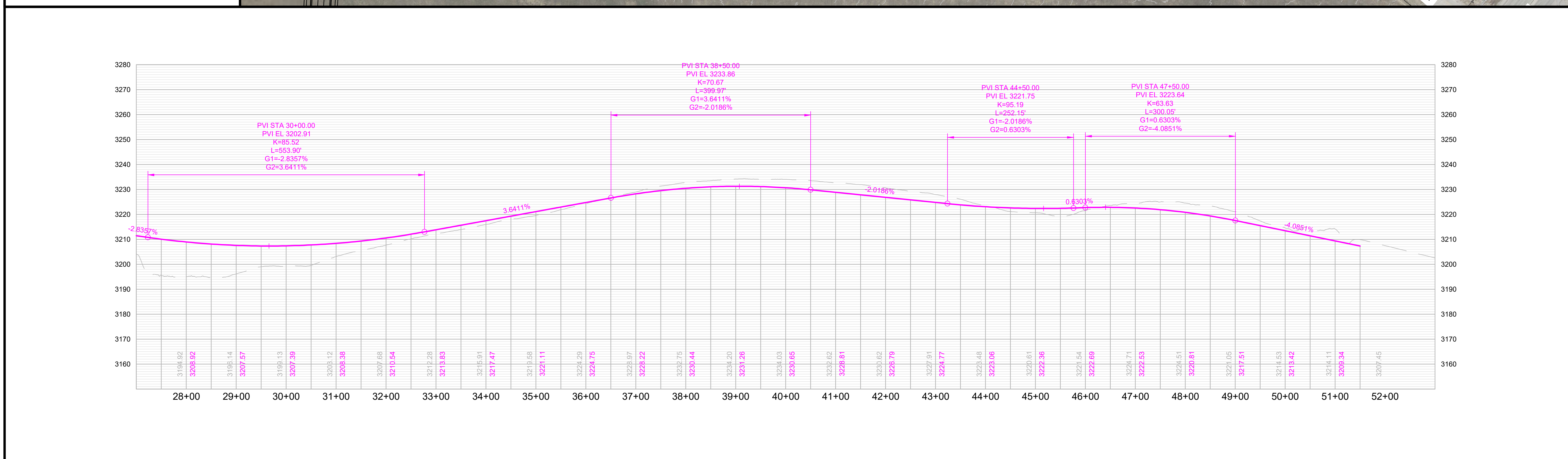
Minnesota Street

Cambell St to S Valley Dr





Minnesota Street

Cambell St to S Valley Dr

SHEET

2A of 2

North-South Collector
East of Tartan Court

Classification: Collector

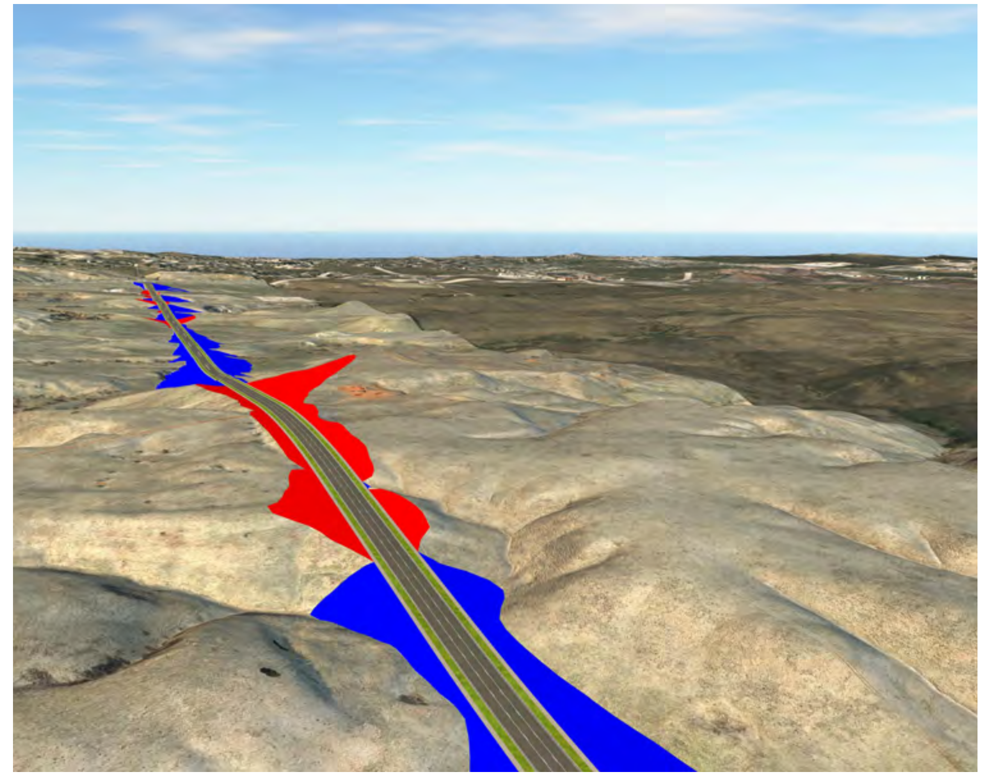
Corridor Length: 9,100 FT

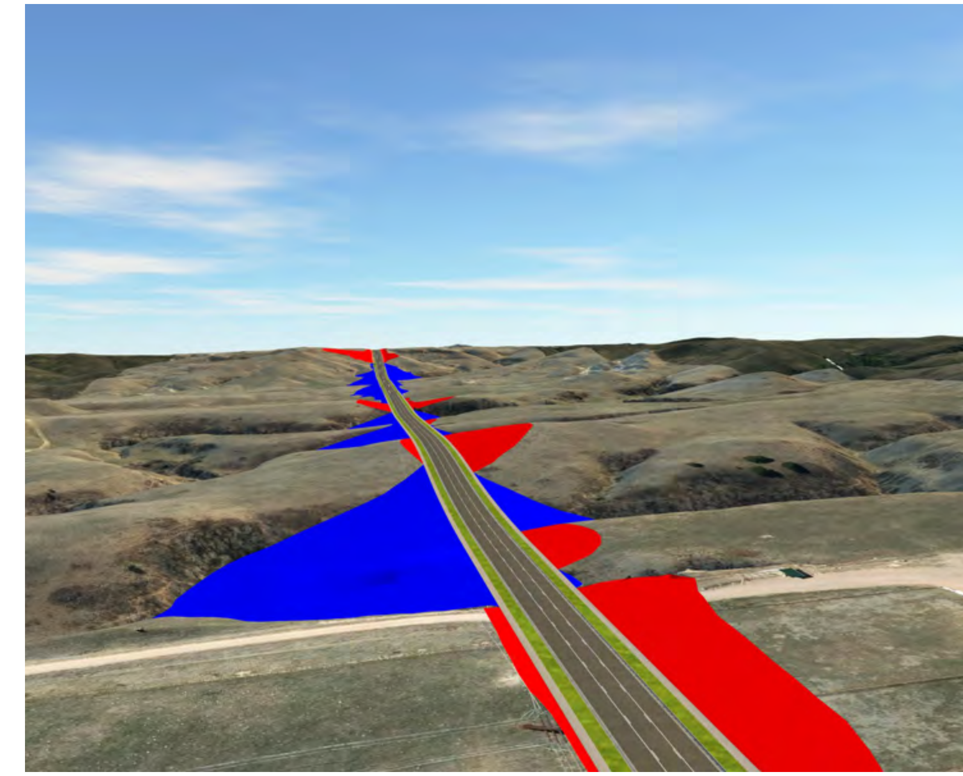
Estimated Quantities

- **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.

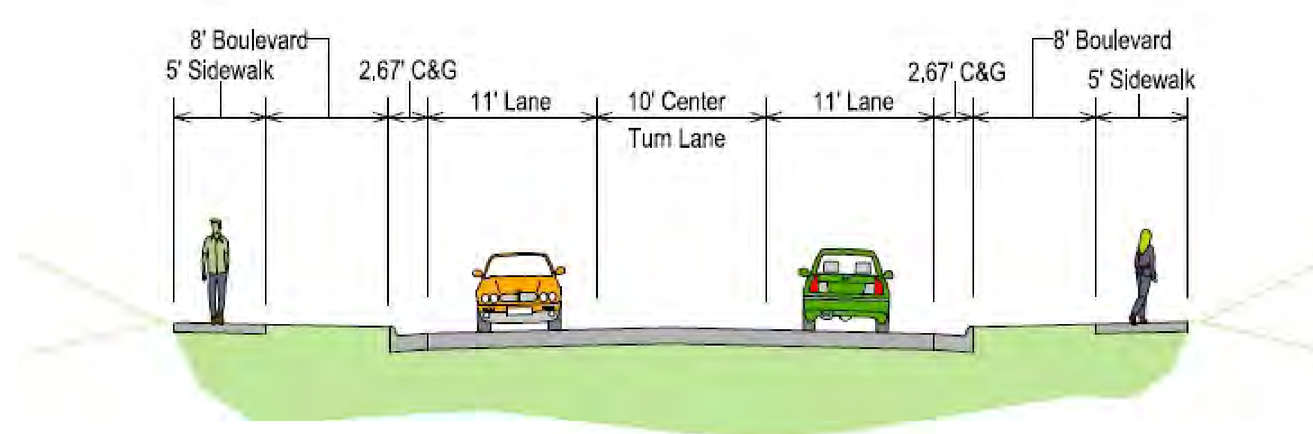

Isometric looking north at station 14+00

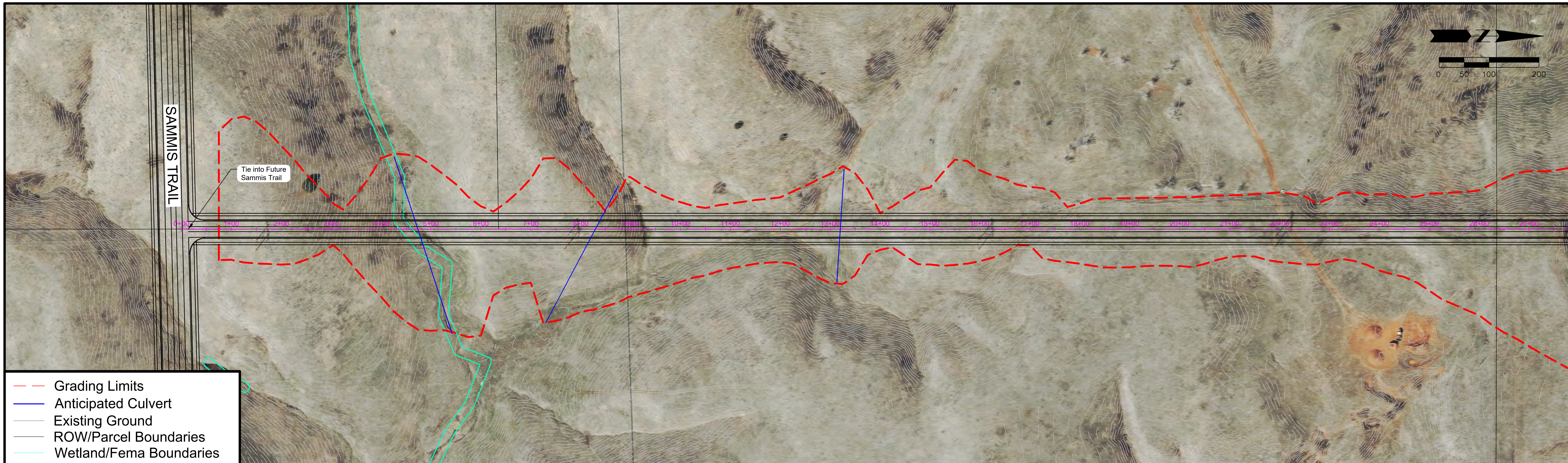

Isometric looking south at station 85+00

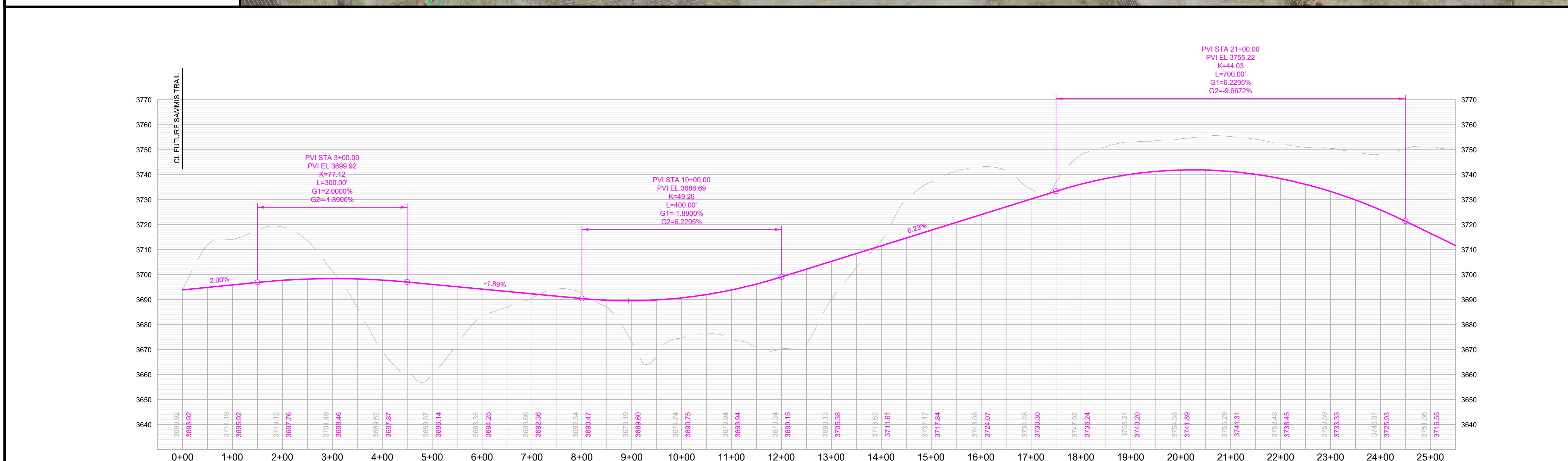
Segment Overview

Proposed Typical Section

3 Lane Collector







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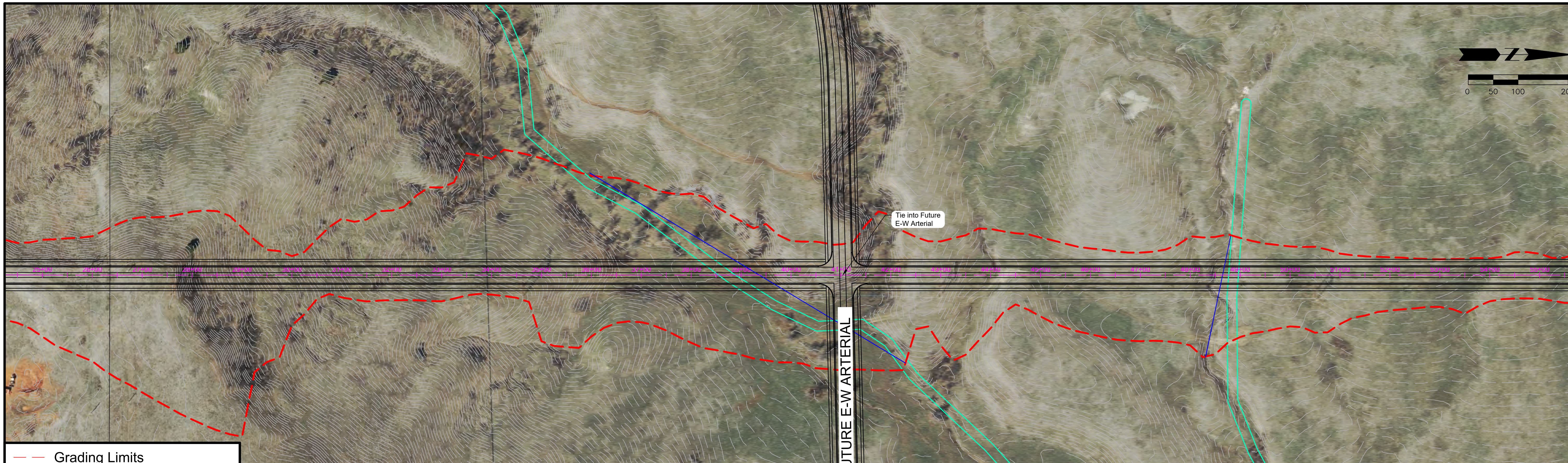
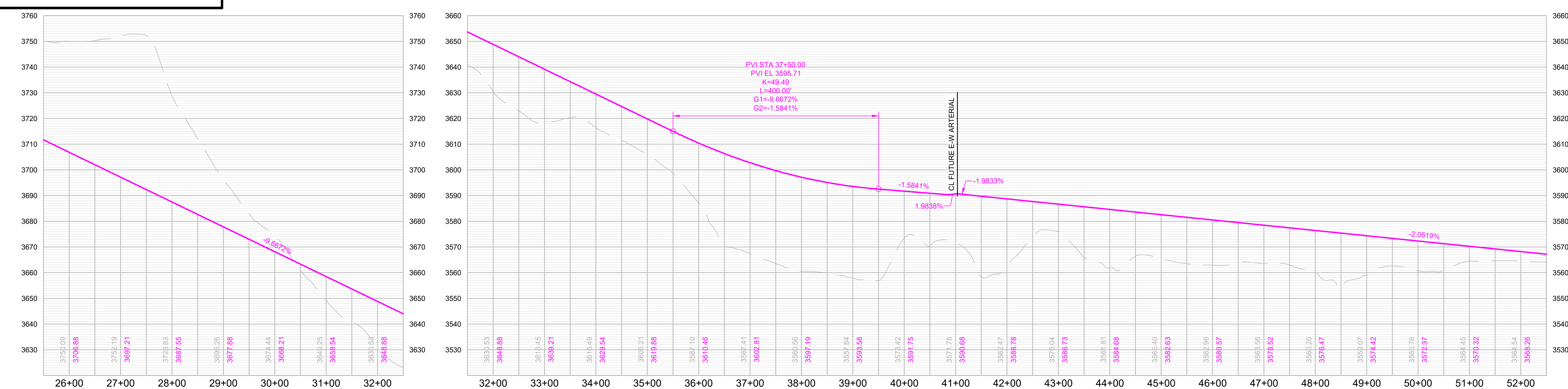
N-S Collector

East of Tartan Court



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

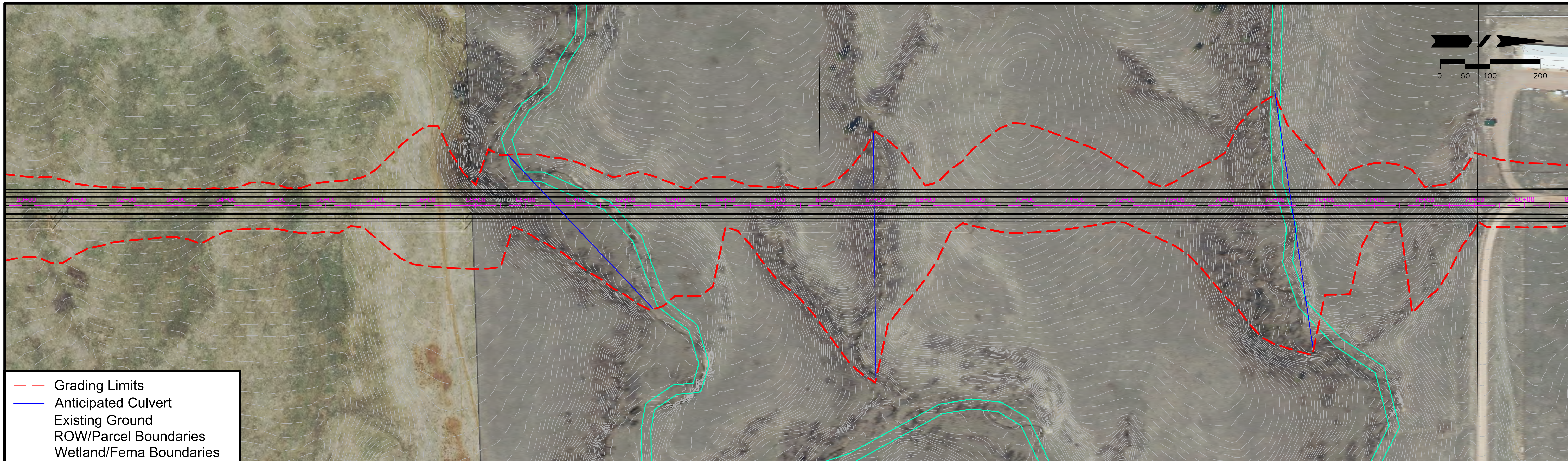


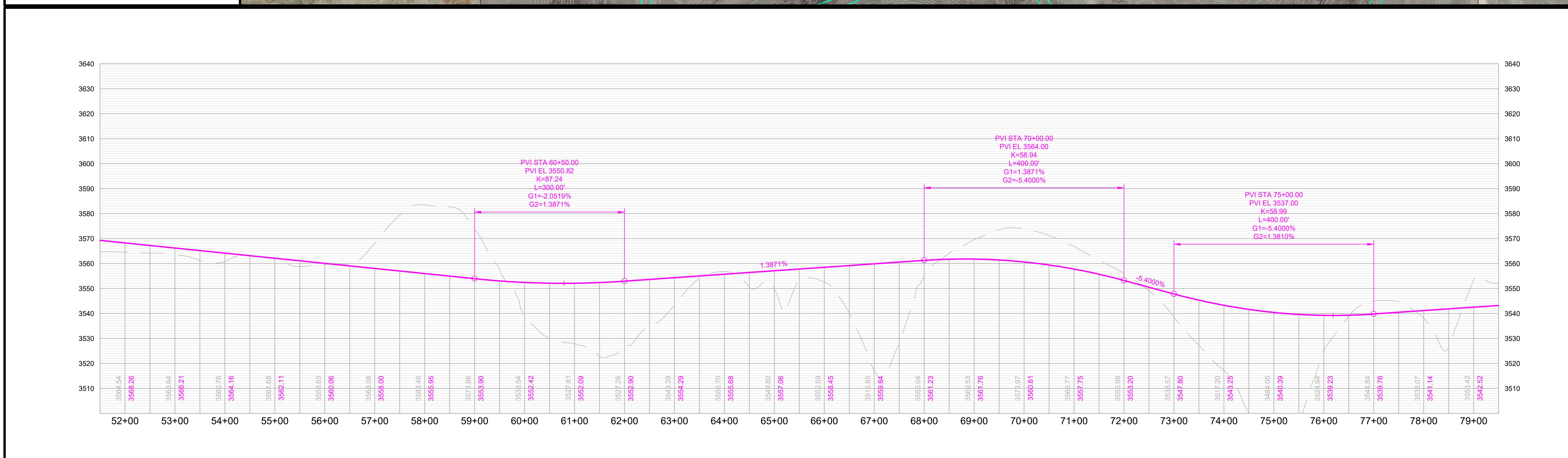
Metropolitan Planning Organization

N-S Collector

East of Tartan Court

SHEET





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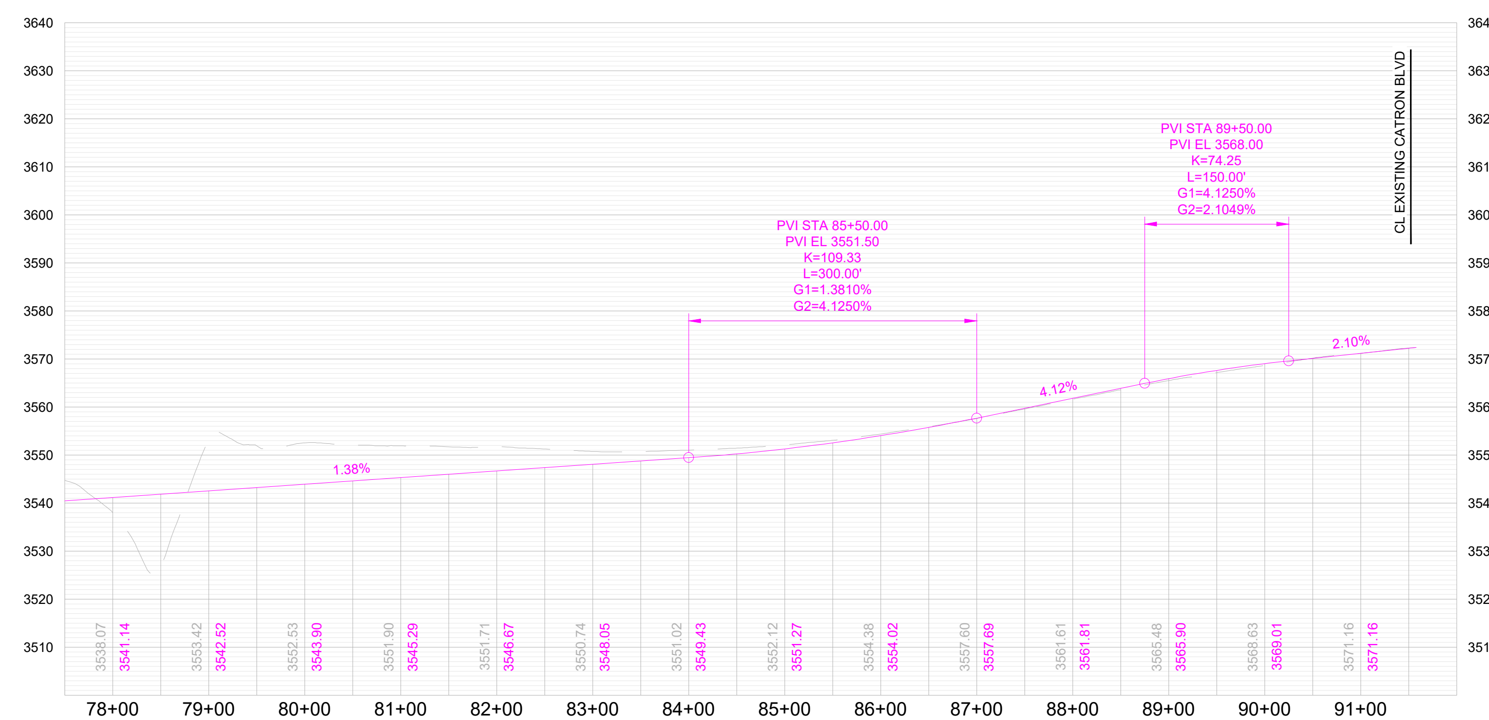
N-S Collector

East of Tartan Court

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



N-S Collector

East of Tartan Court

SHEET

Nugget Gulch Road
Moon Meadows Drive to Motherlode Drive

Classification: Collector

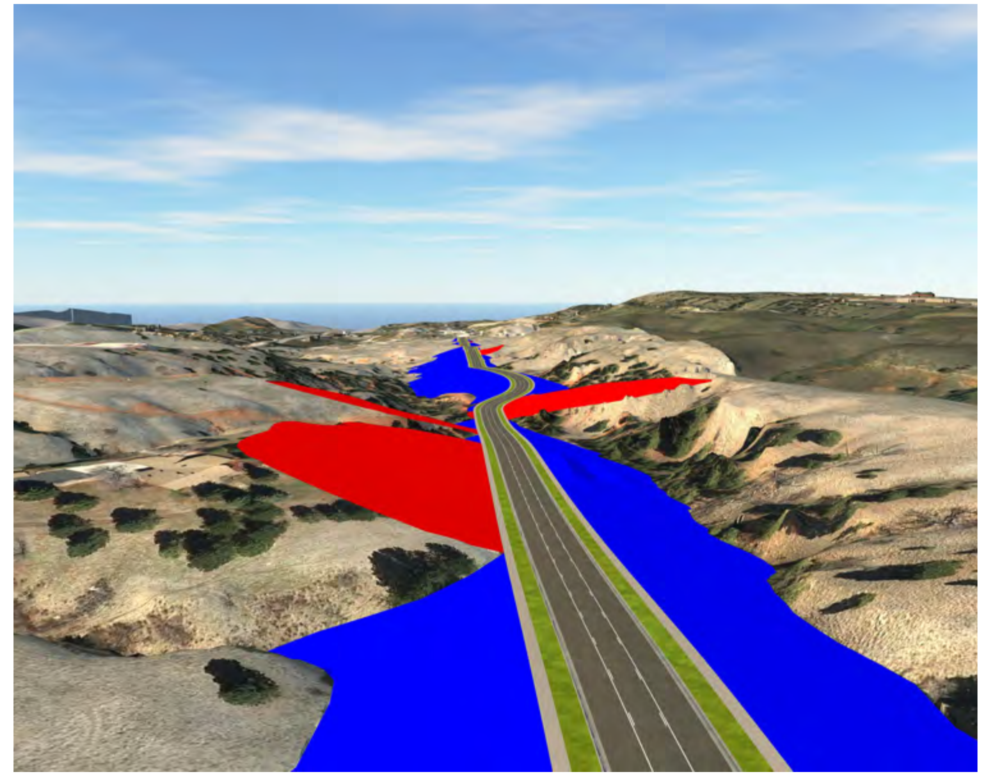
Corridor Length: 6,100 FT

Estimated Quantities

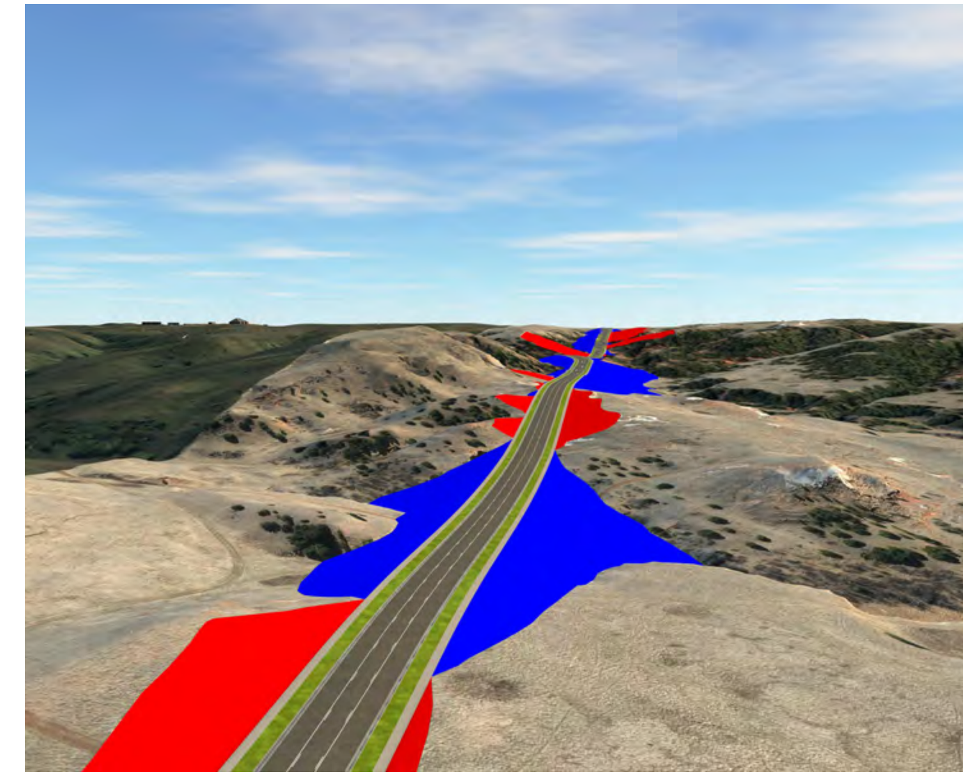
- **Road Surface:** 21,689 SY
- **Earthwork Cut (Red):** 190,657 CY
- **Earthwork Fill (Blue):** 787,732 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking north at station 1+00

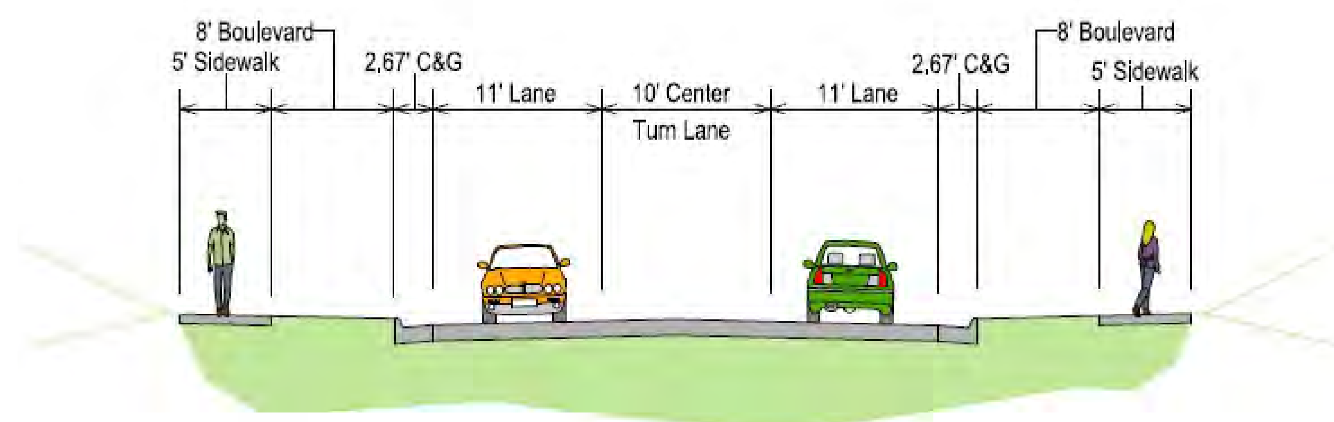


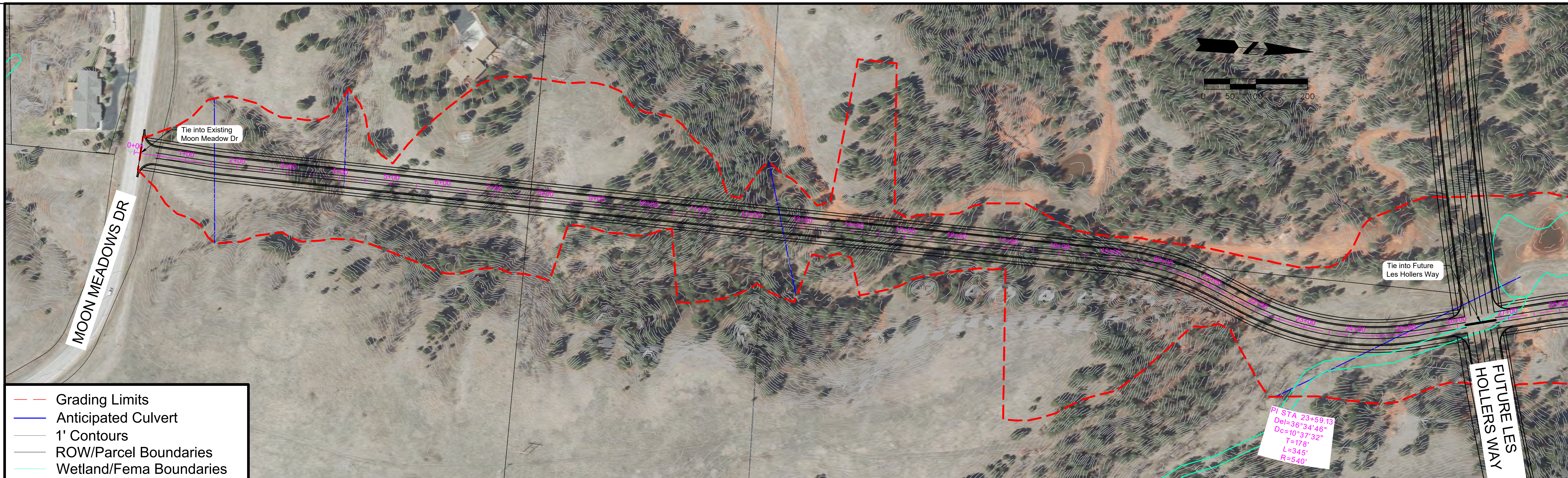
Isometric looking south at station 59+00

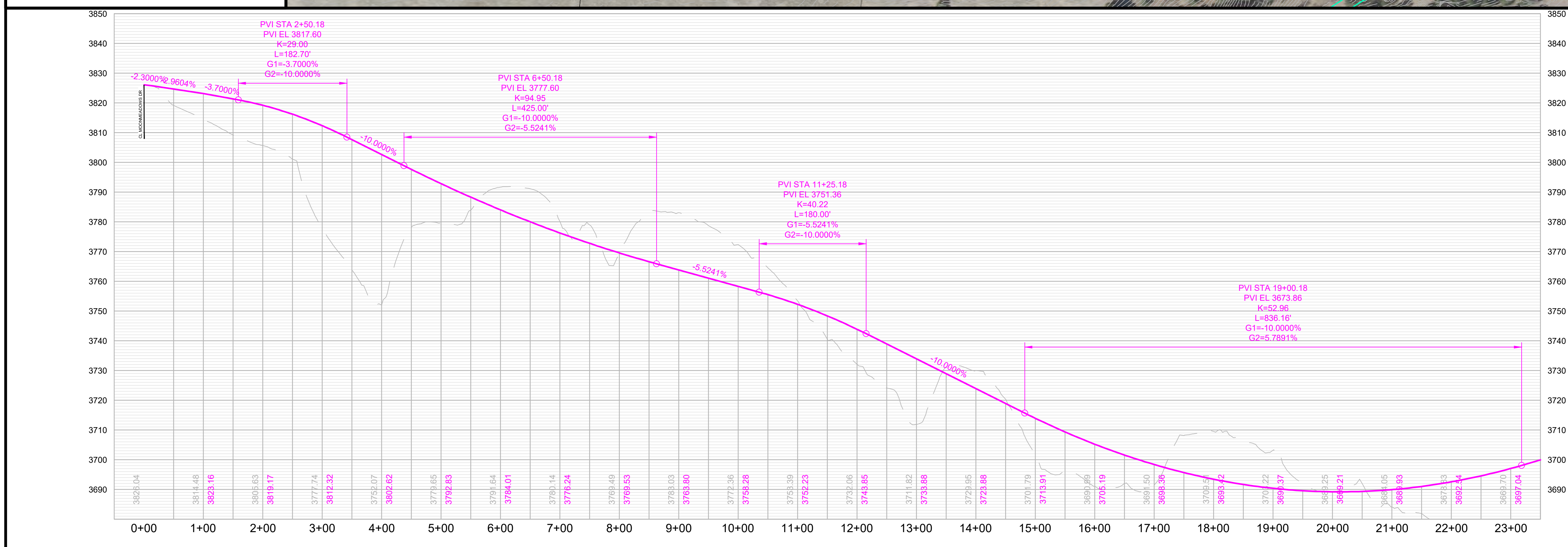
Segment Overview

Proposed Typical Section

3 Lane Collector







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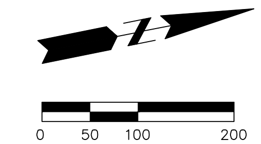
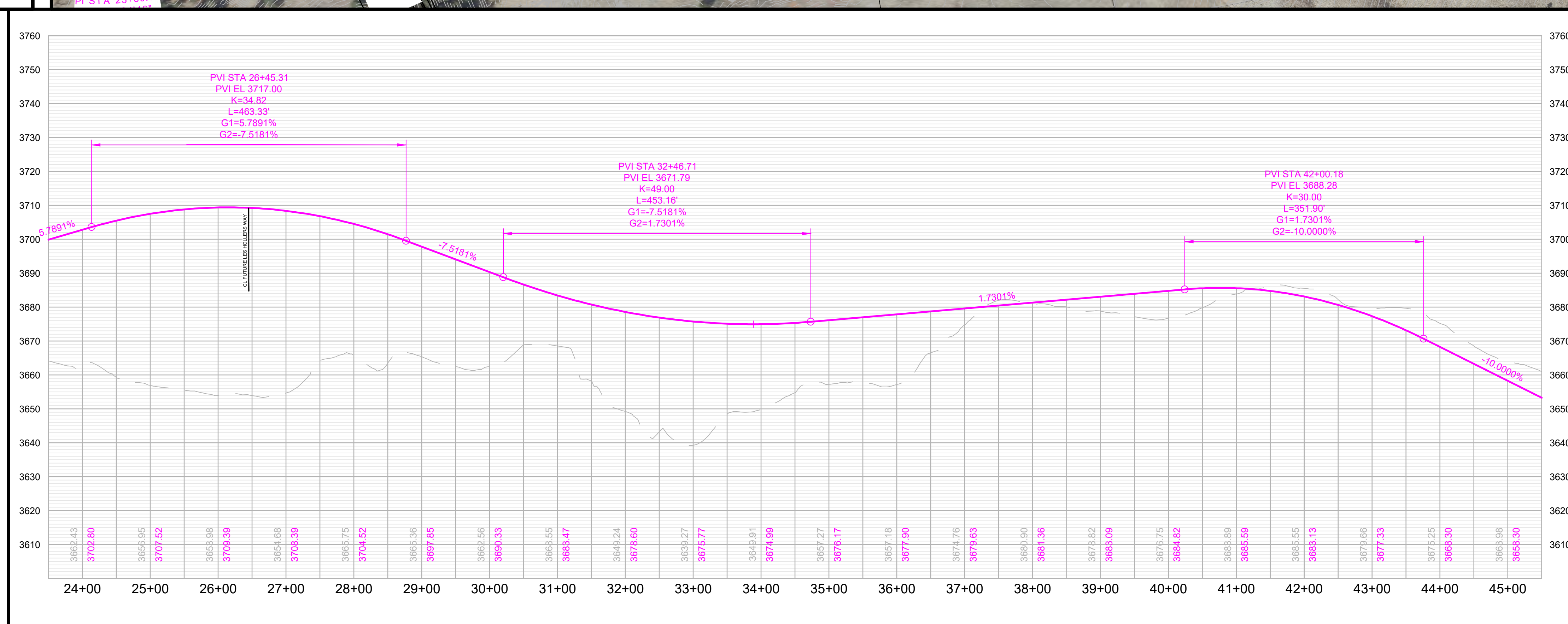
Nugget Gulch Road

Moon Meadow Dr to Motherlode Dr

SHEET



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



Nugget Gulch Road

Moon Meadow Dr to Motherlode Dr

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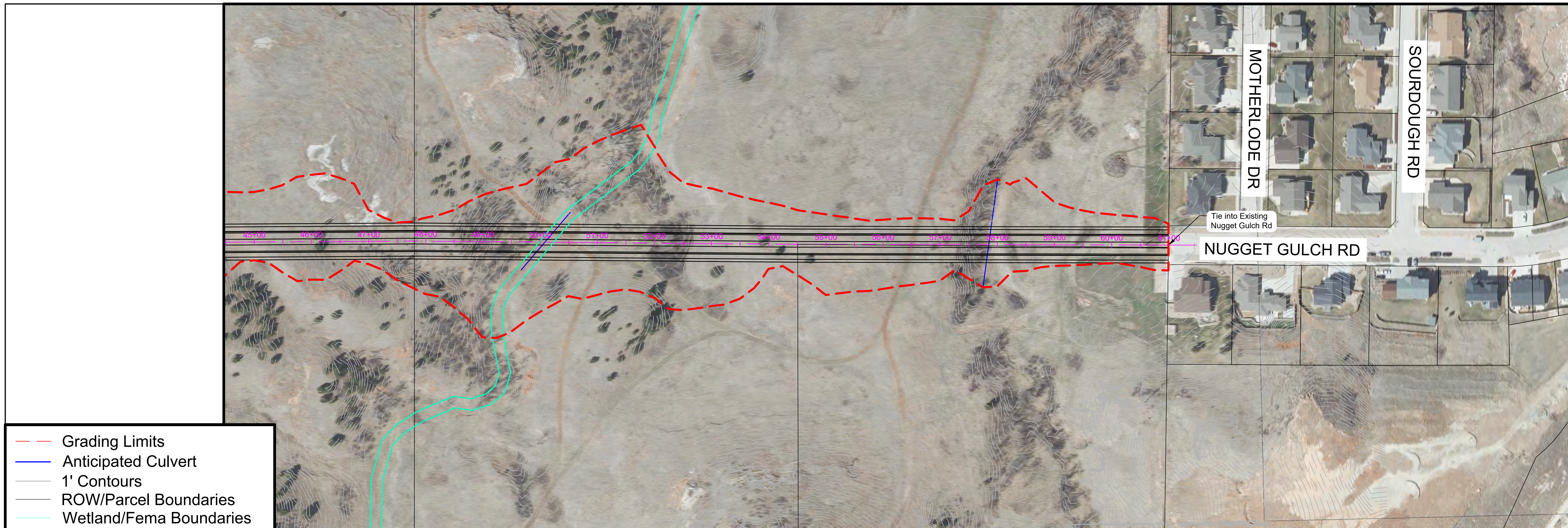
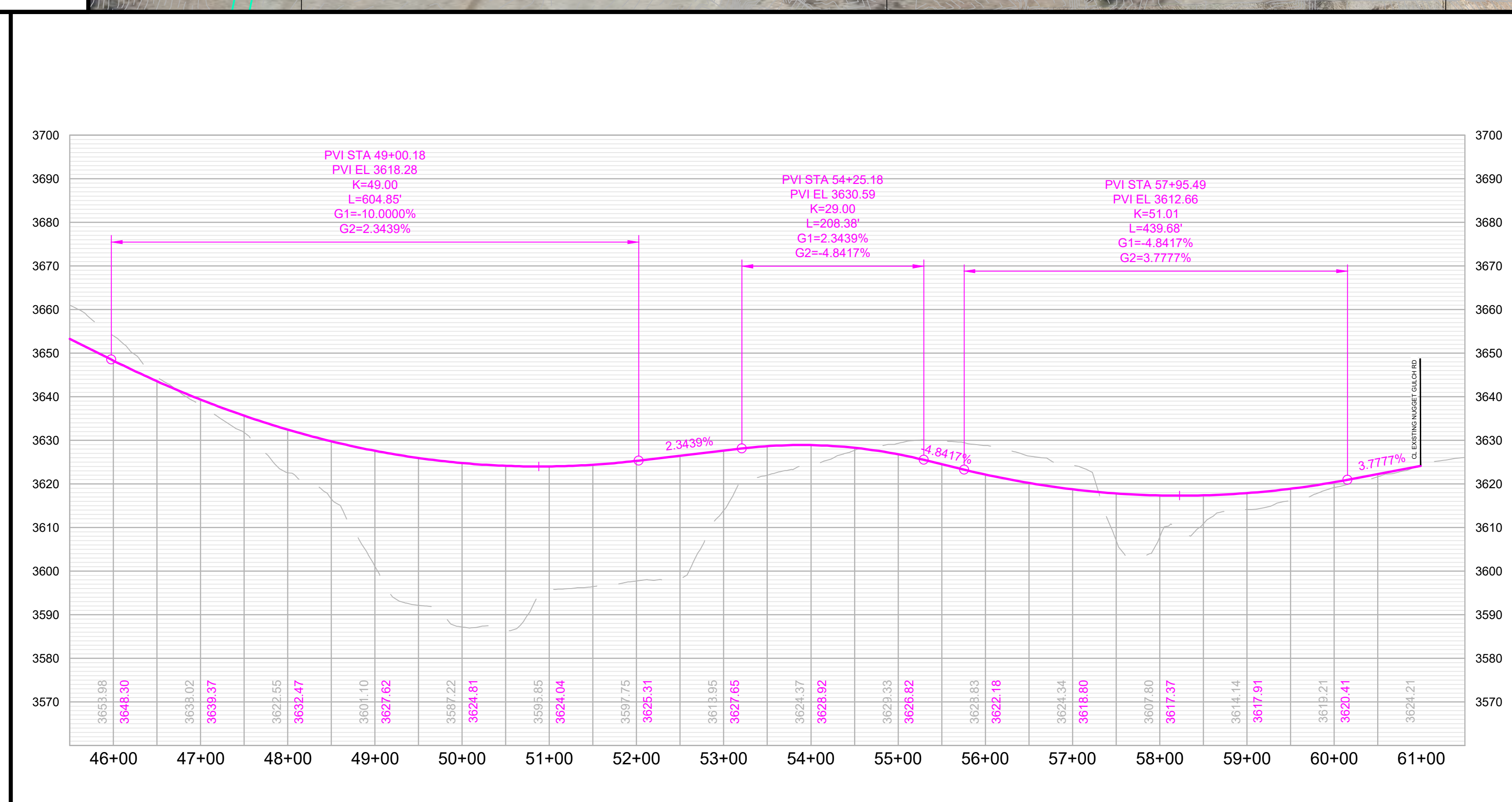
SHEET





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Nugget Gulch Road

Moon Meadow Dr to Motherlode Dr

Haugo Drive

Catron Boulevard to Moon Meadows Drive

Classification: Collector

Corridor Length: 7,200 FT

Estimated Quantities

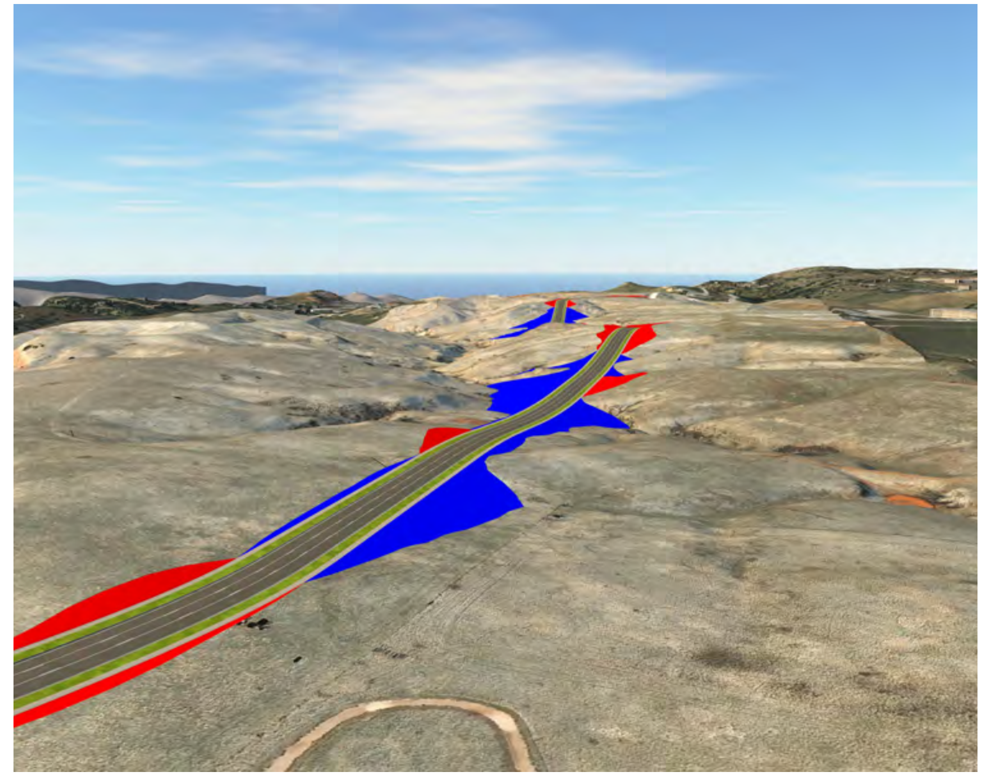
Road Surface: 25,600 SY

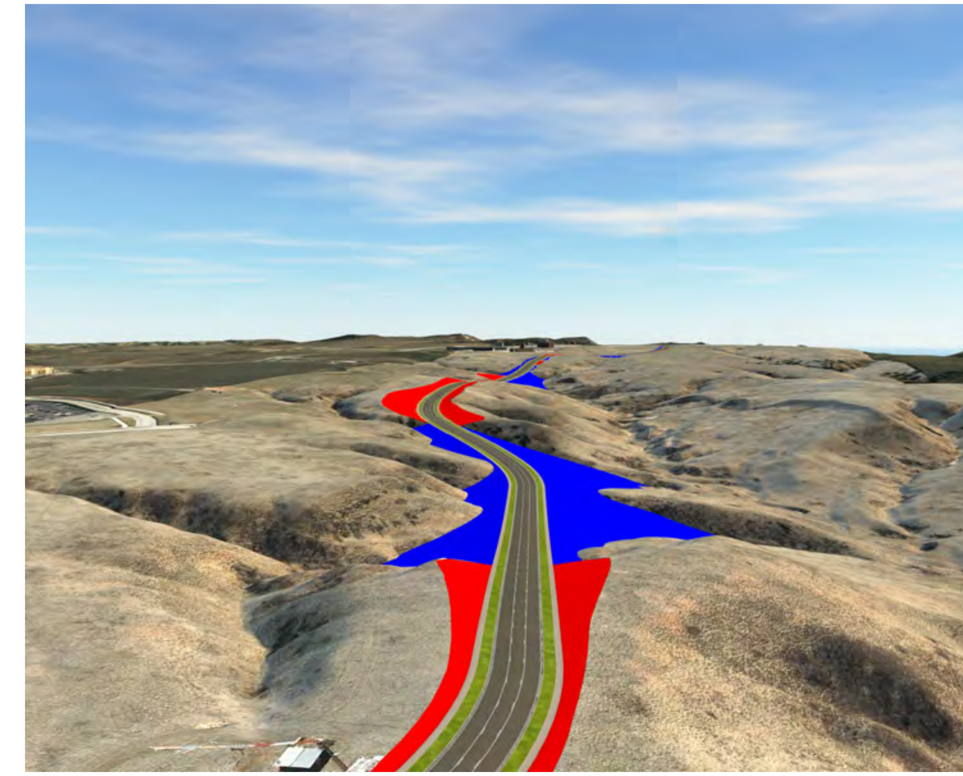
Earthwork Cut (Red): 538,560 CY

Earthwork Fill (Blue): 115,647 CY

Segment Considerations:

- Design speed – 35 MPH.

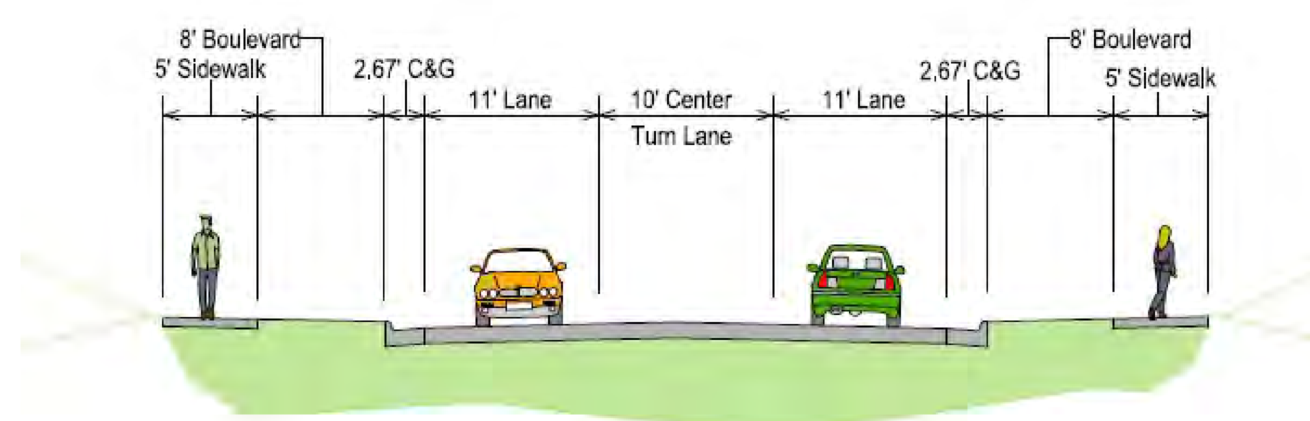

Isometric looking north at station 10+00

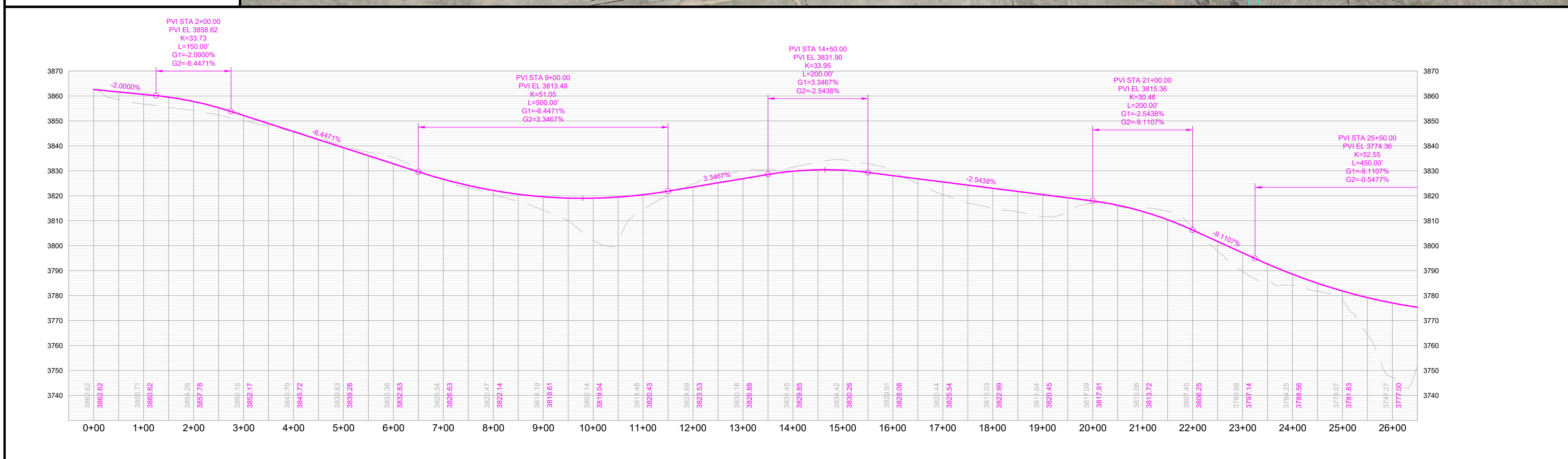

Isometric looking south at station 67+00

Segment Overview

Proposed Typical Section

3 Lane Collector





RAPID CITY AREA Metropolitan Planning Organization

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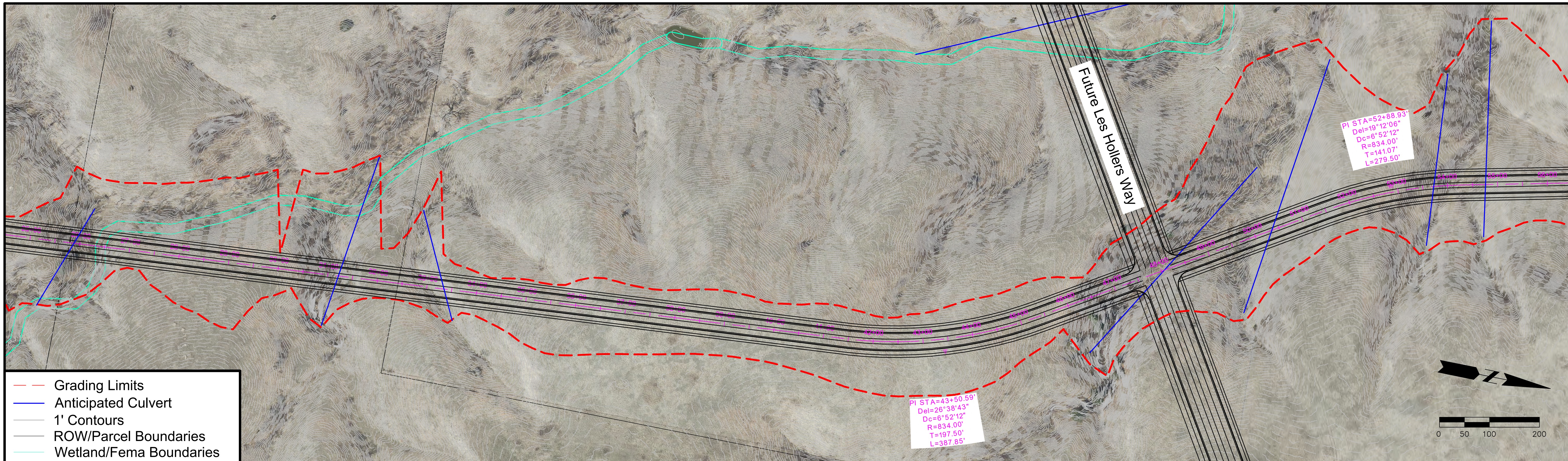
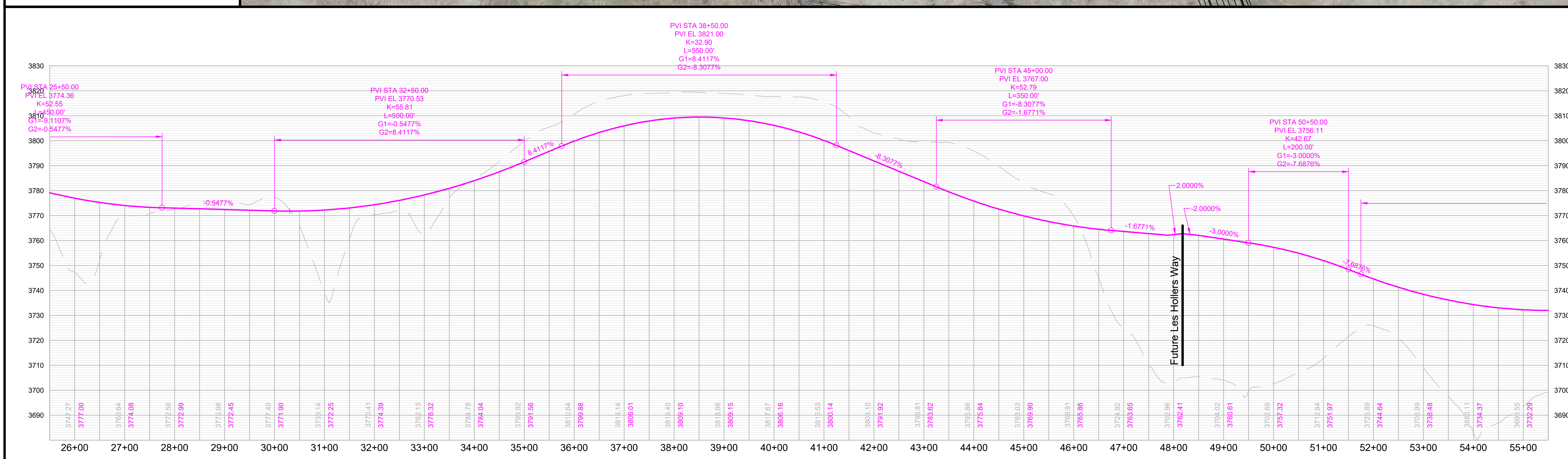
Haugo Drive

Catron Blvd to Moon Meadows Dr

SHEET

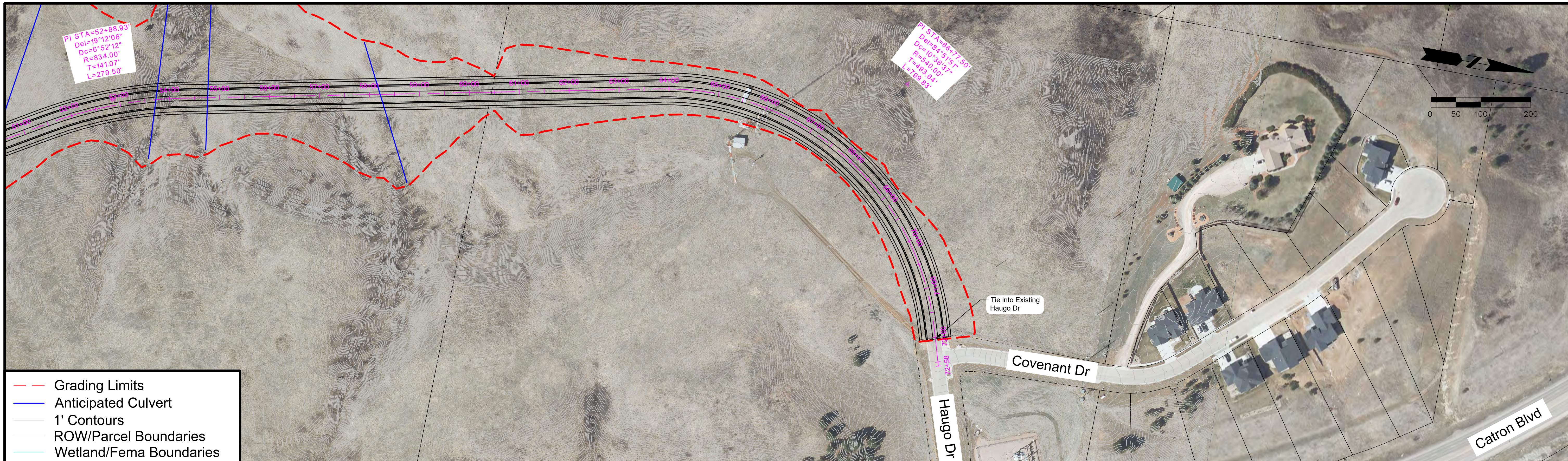


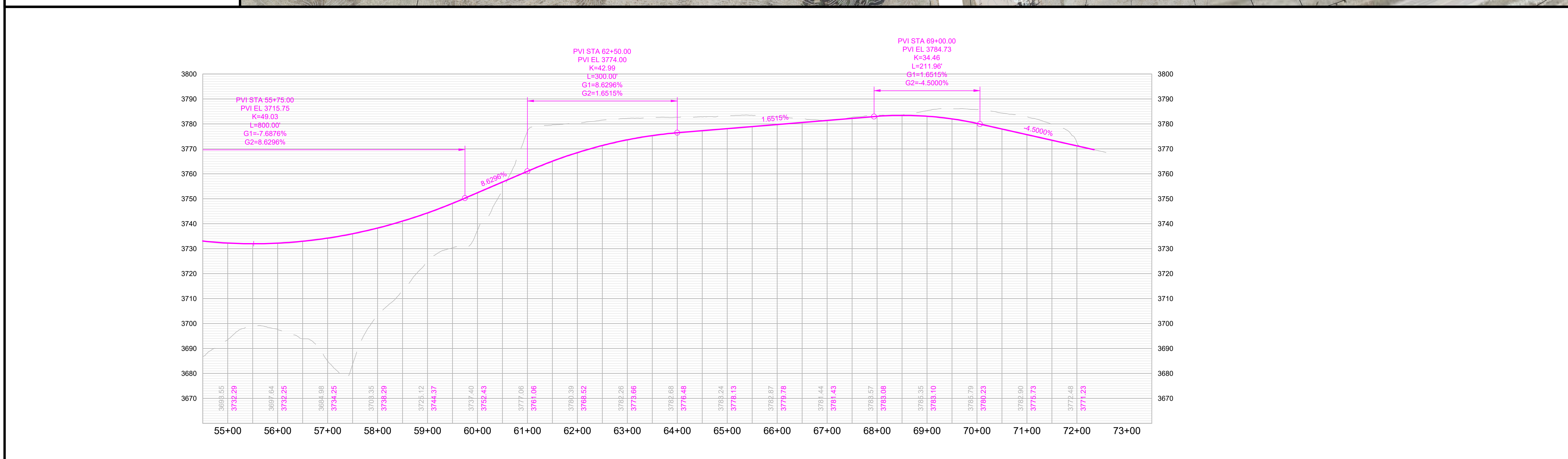


Haugo Drive

Catron Blvd to Moon Meadows Dr

SHEET





Haugo Drive

Catron Blvd to Moon Meadows Dr

SHEET

3 of 3

Villagio Lane

Southern Terminus to Horsecreek Road

Classification: Collector

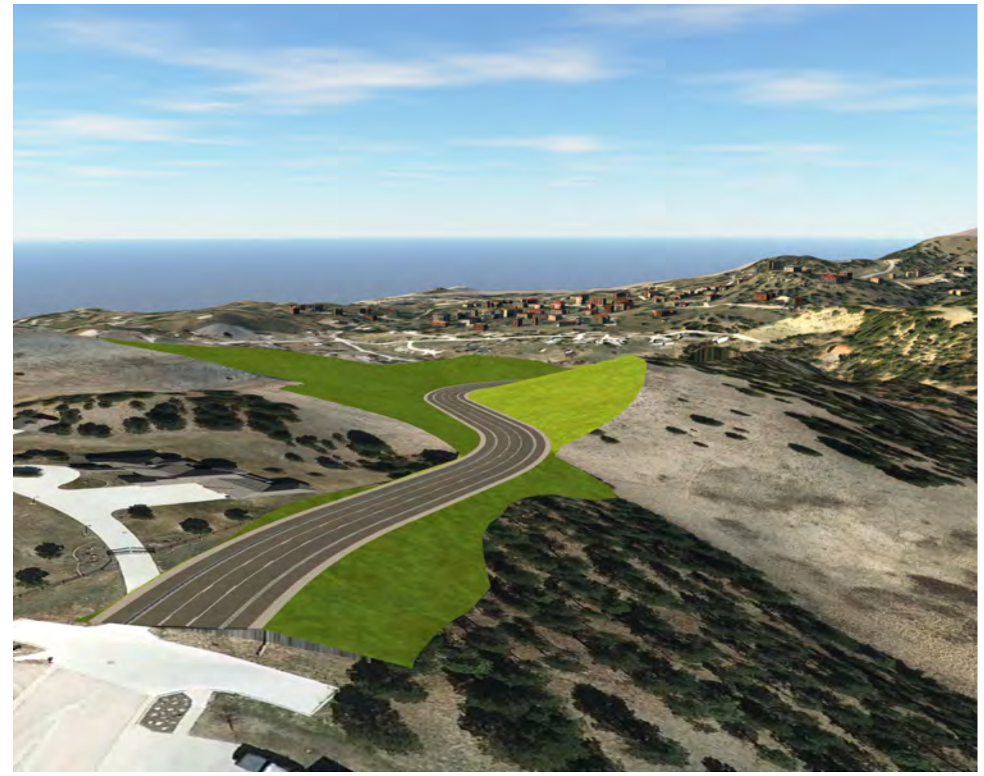
Corridor Length: 2,450 FT

Estimated Quantities

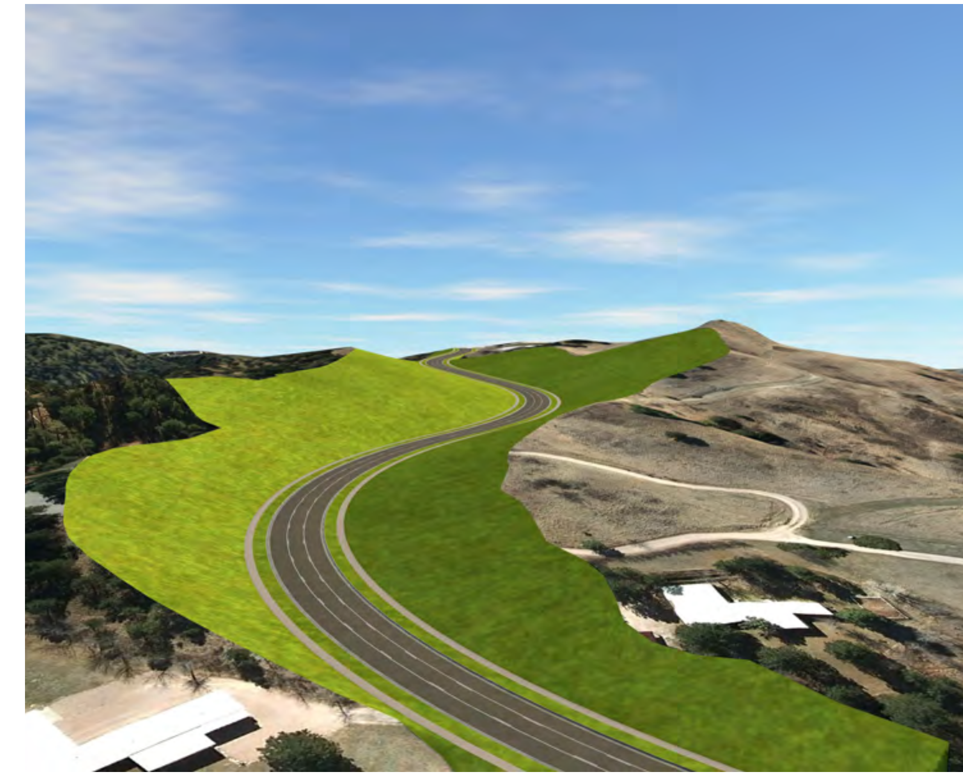
- **Road Surface:** 8,712 SY
- **Earthwork Cut:** 671,835 CY
- **Earthwork Fill:** 6,849 CY

Segment Considerations:

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



Isometric looking northwest at station 0+00

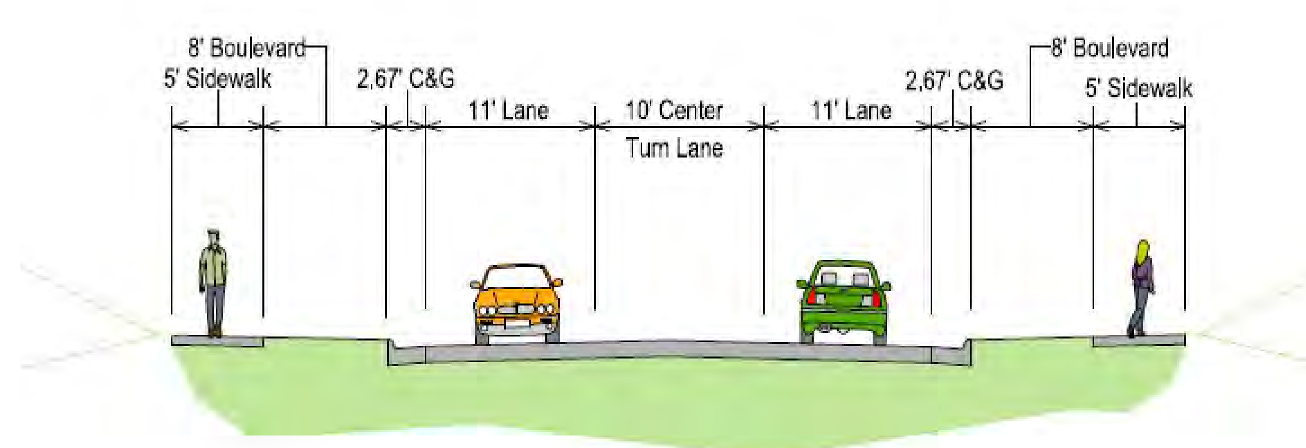


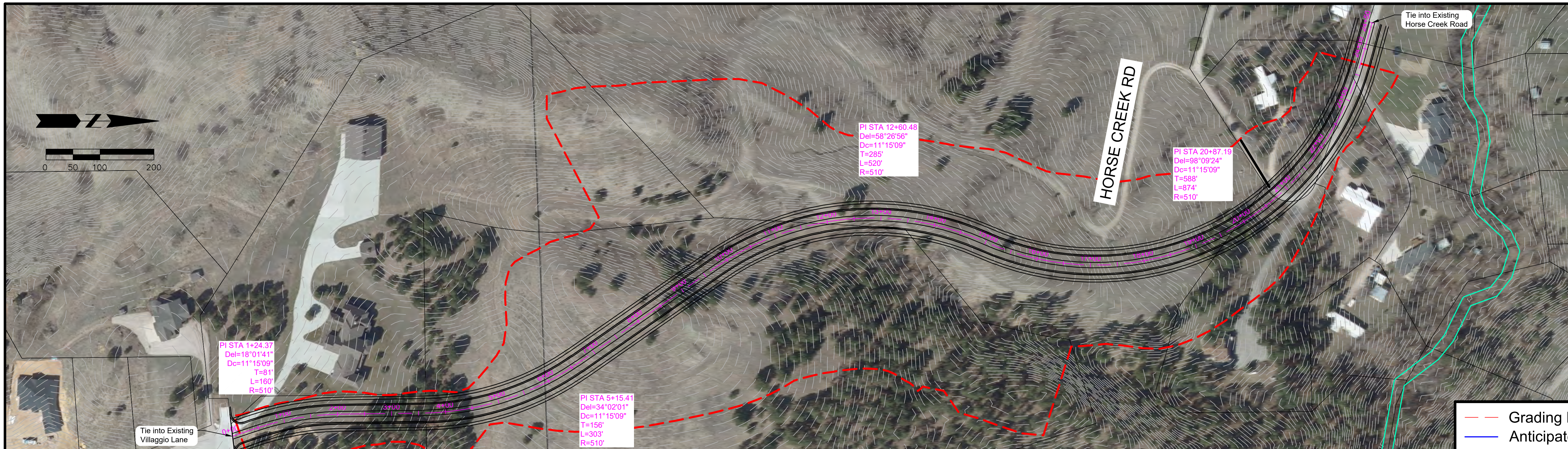
Isometric looking south at station 23+50

Segment Overview

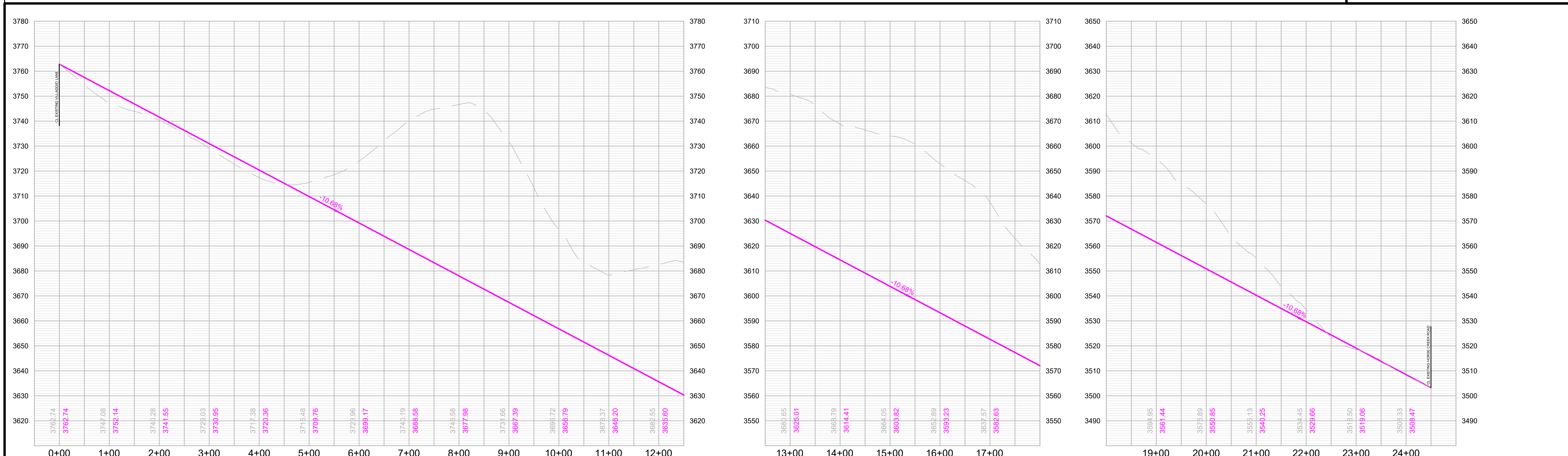
Proposed Typical Section

3 Lane Collector





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



Villagio Lane

Southern Terminus to Horsecreek Rd

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SHEET

1 of 1

Healing Way
Hwy 16 to Catron Boulevard

Classification: Collector

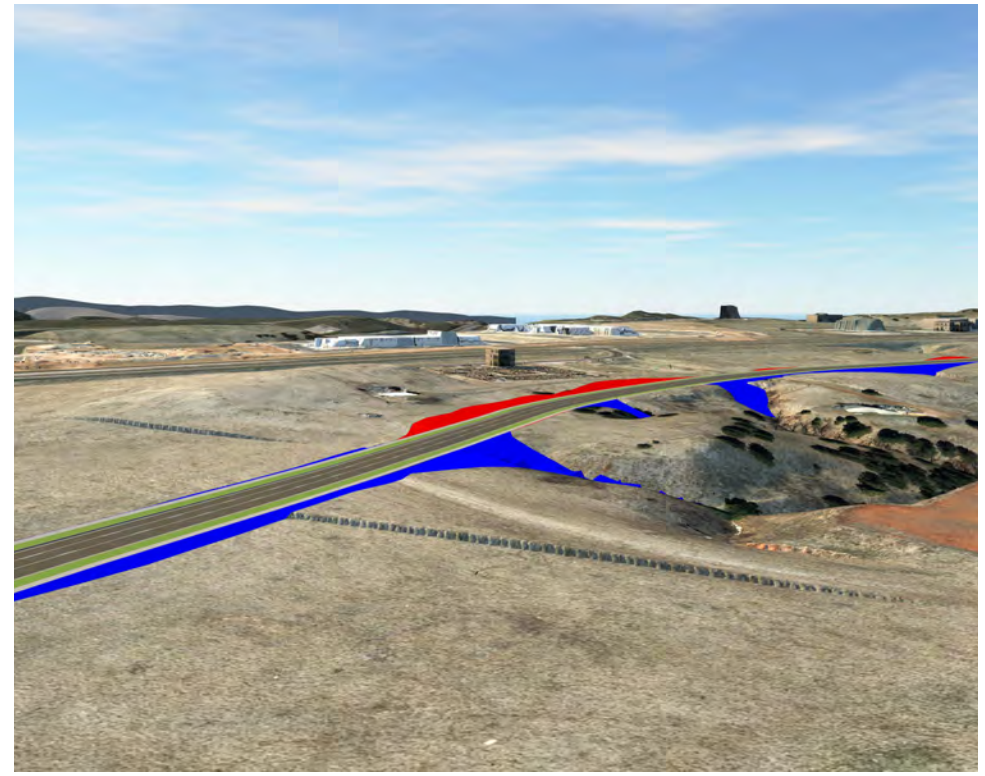
Corridor Length: 3,400 FT

Estimated Quantities

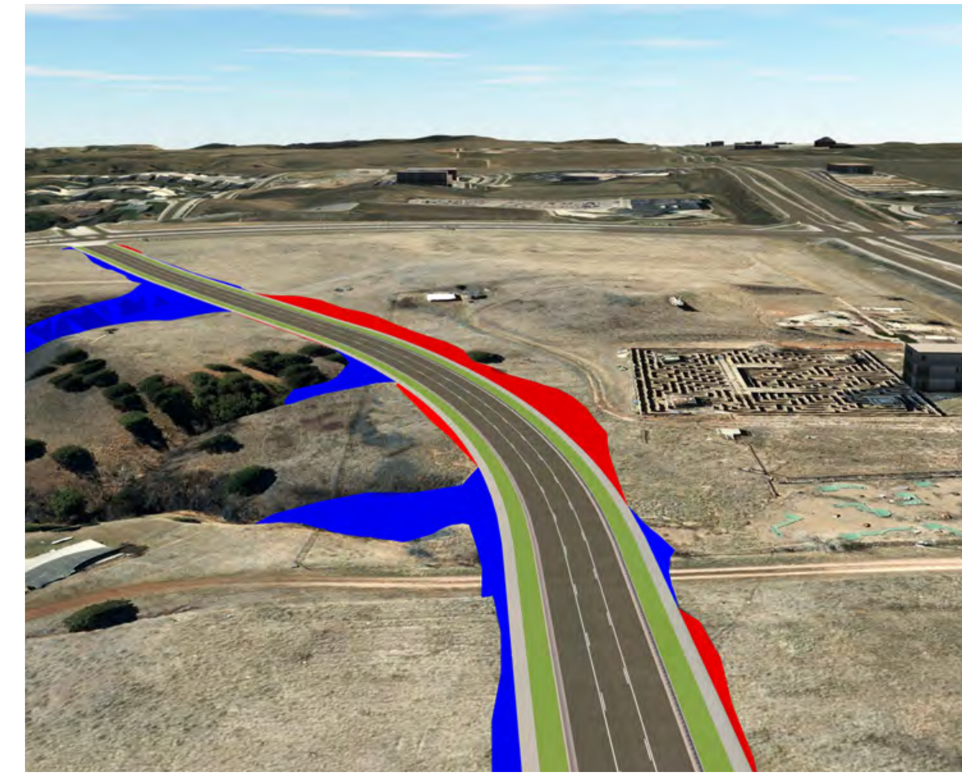
- **Road Surface:** 12,089 SY
- **Earthwork Cut (Red):** 34,977 CY
- **Earthwork Fill (Blue):** 120,644 CY

Segment Considerations:

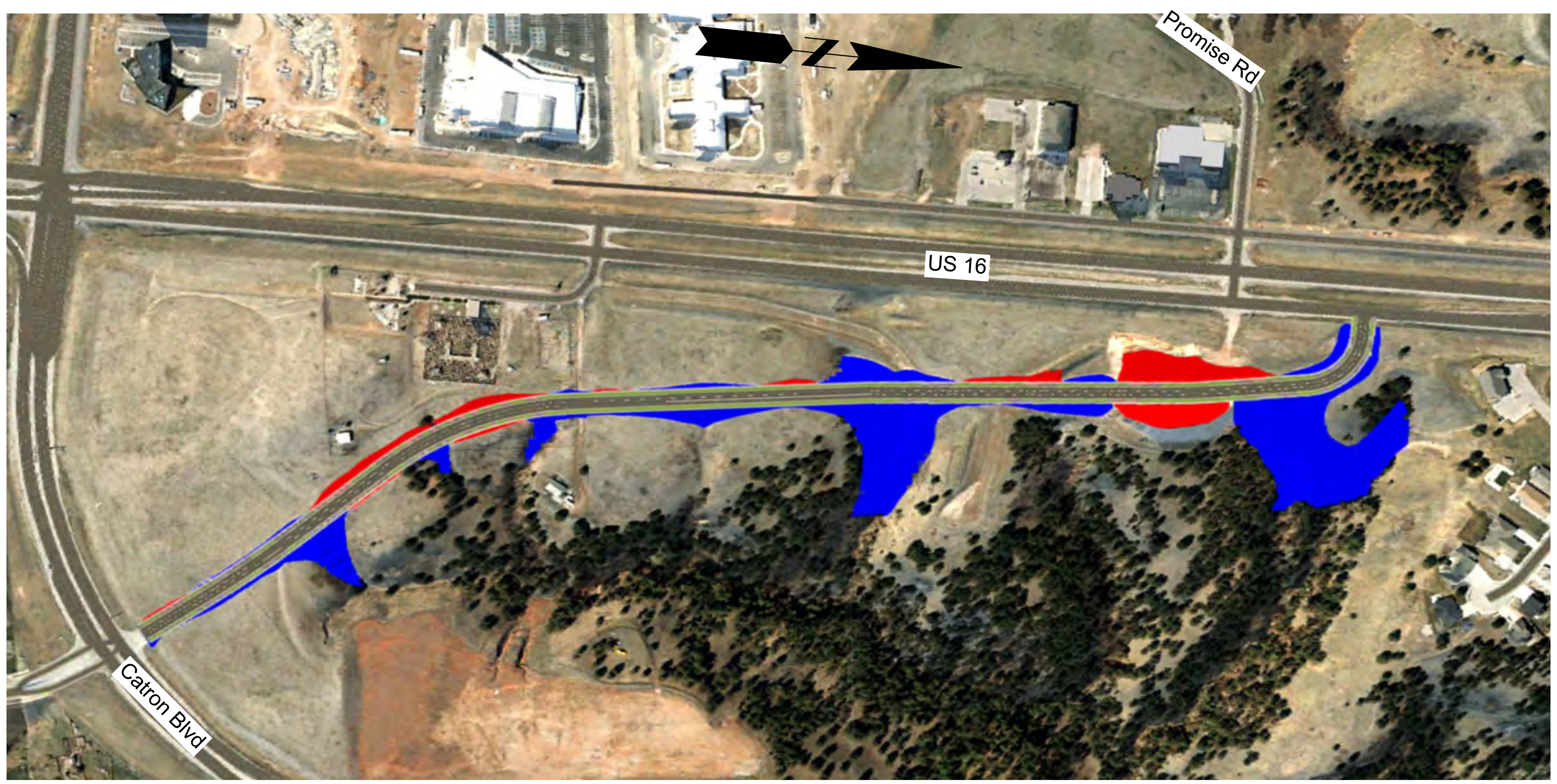
- The SDDOT has designed and is planning to construct northern portion of segment (north of Tucker Street).
- Design speed – 35 MPH.
- Recommend adding to the MSP.



Isometric looking northwest at station 813+00

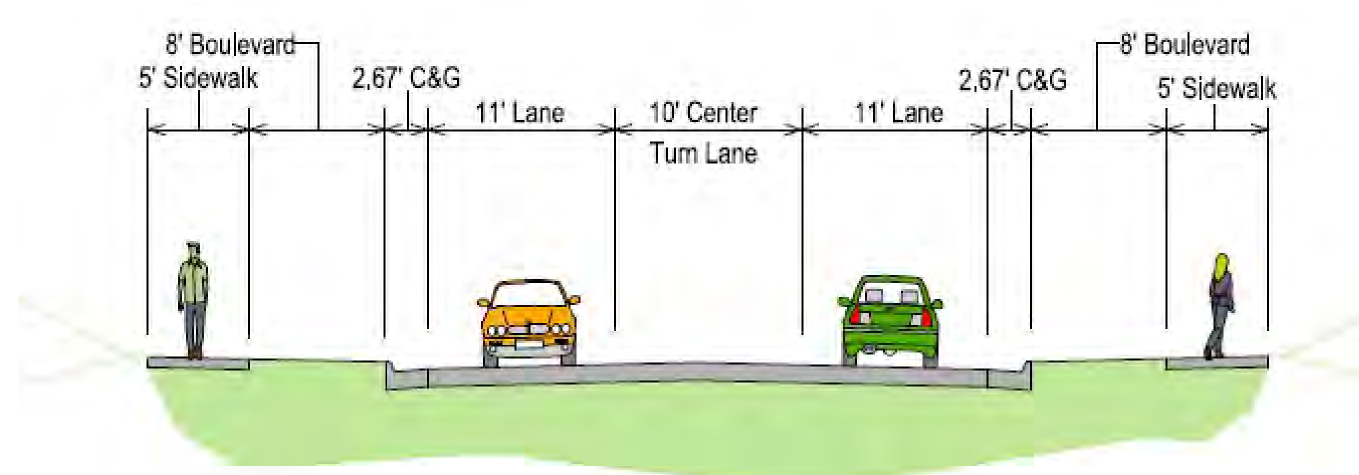


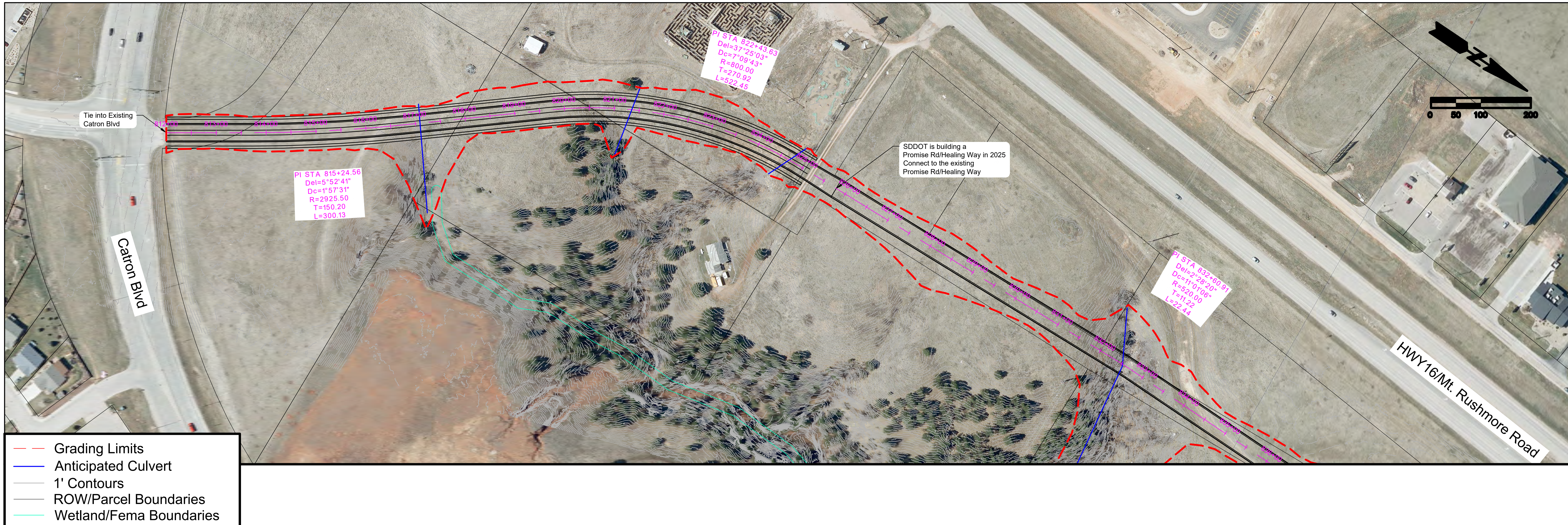
Isometric looking south at station 824+00

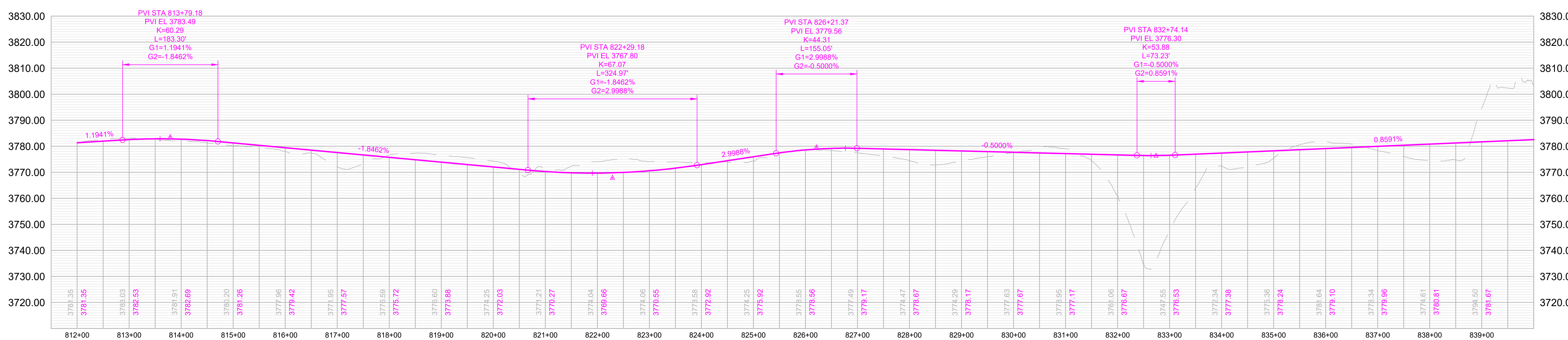


Segment Overview

Proposed Typical Section
3 Lane Collector







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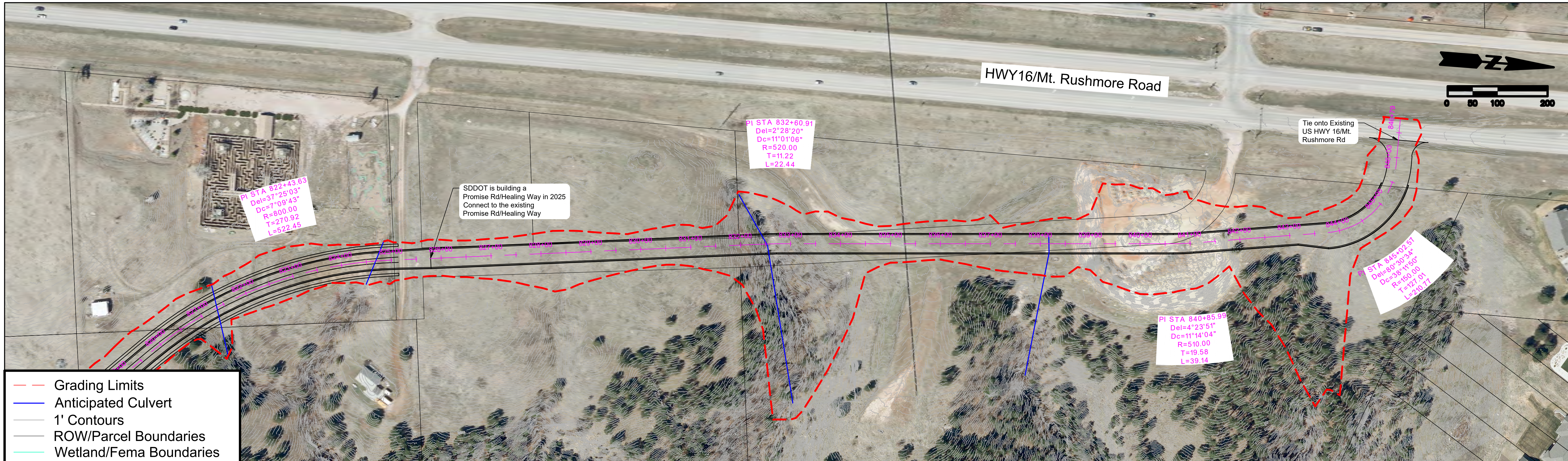
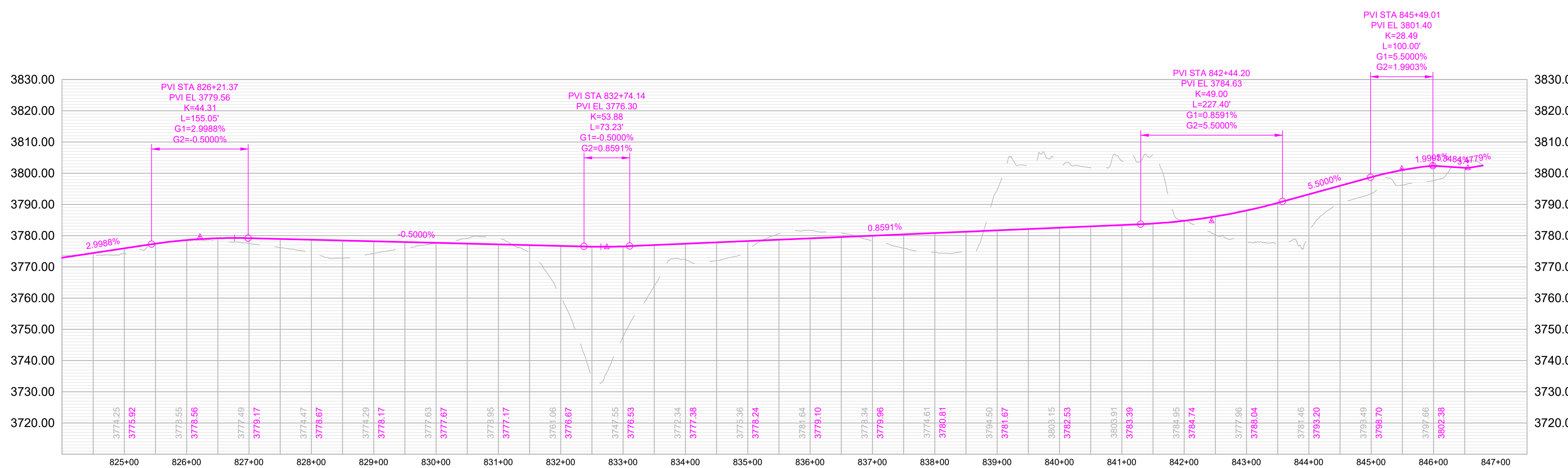
Healing Way

HWY 16 to Catron Blvd

SHEET

1 of 2





Healing Way

HWY 16 to Catron Blvd

SHEET

2 of 2

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Segment ID: 30

Dreamscape Road
Sammis Trail to SD Hwy 79

Classification: Minor Arterial

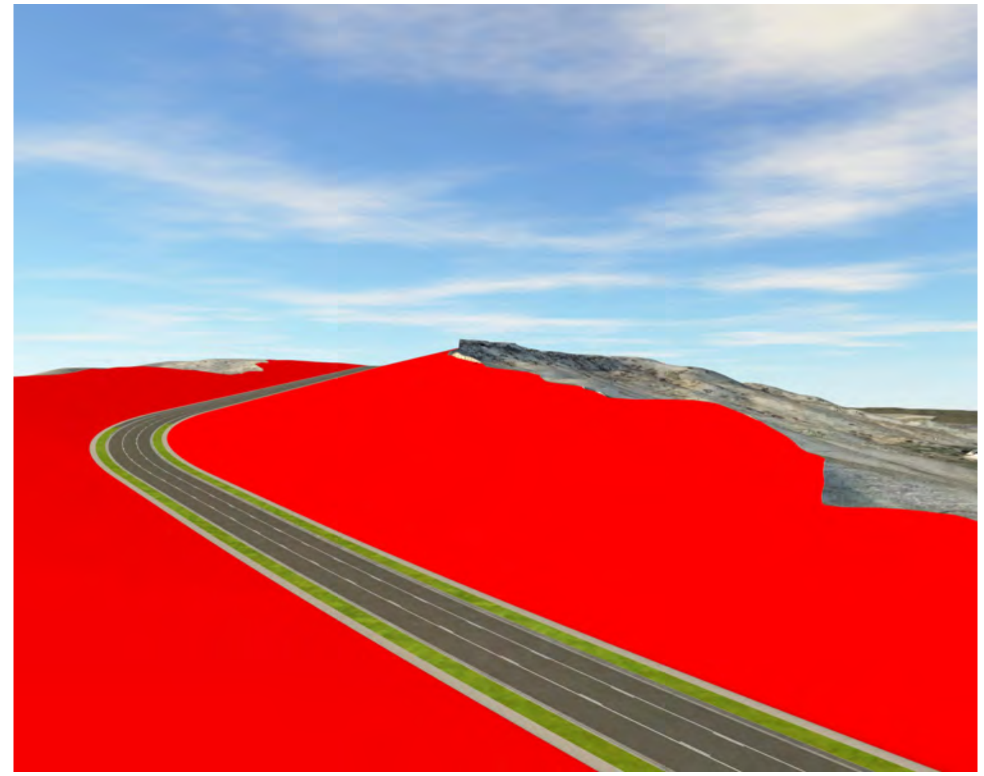
Corridor Length: 19,350 FT

Estimated Quantities

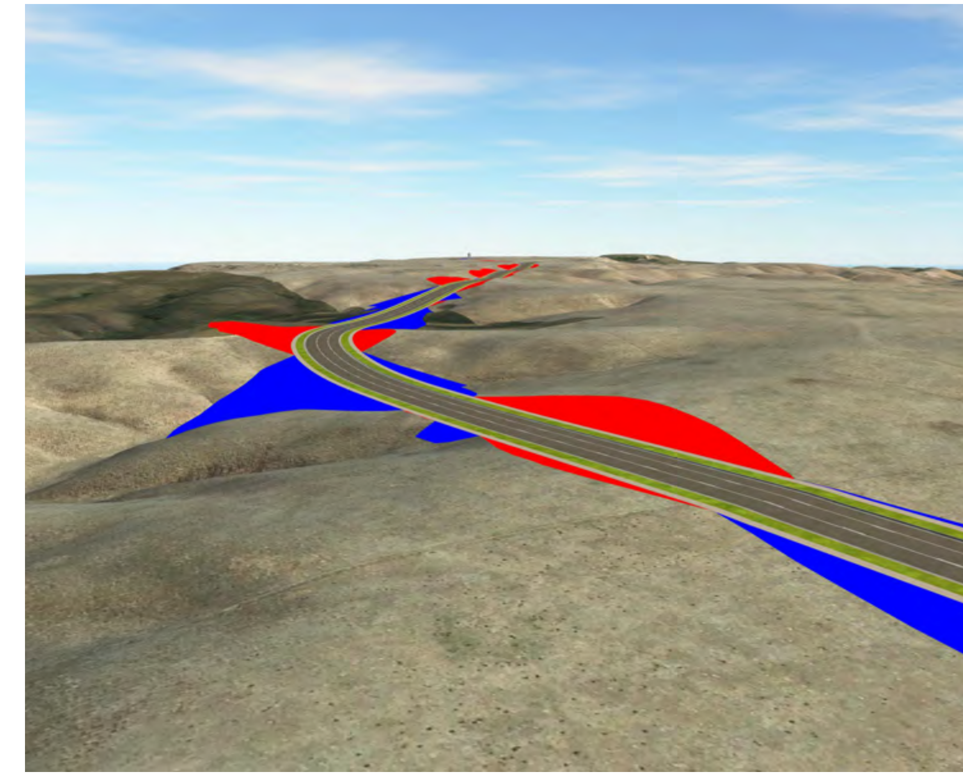
- **Road Surface:** 77,400 SY
- **Earthwork Cut (Red):** 3,932,926 CY
- **Earthwork Fill (Blue):** 288,378 CY

Segment Considerations:

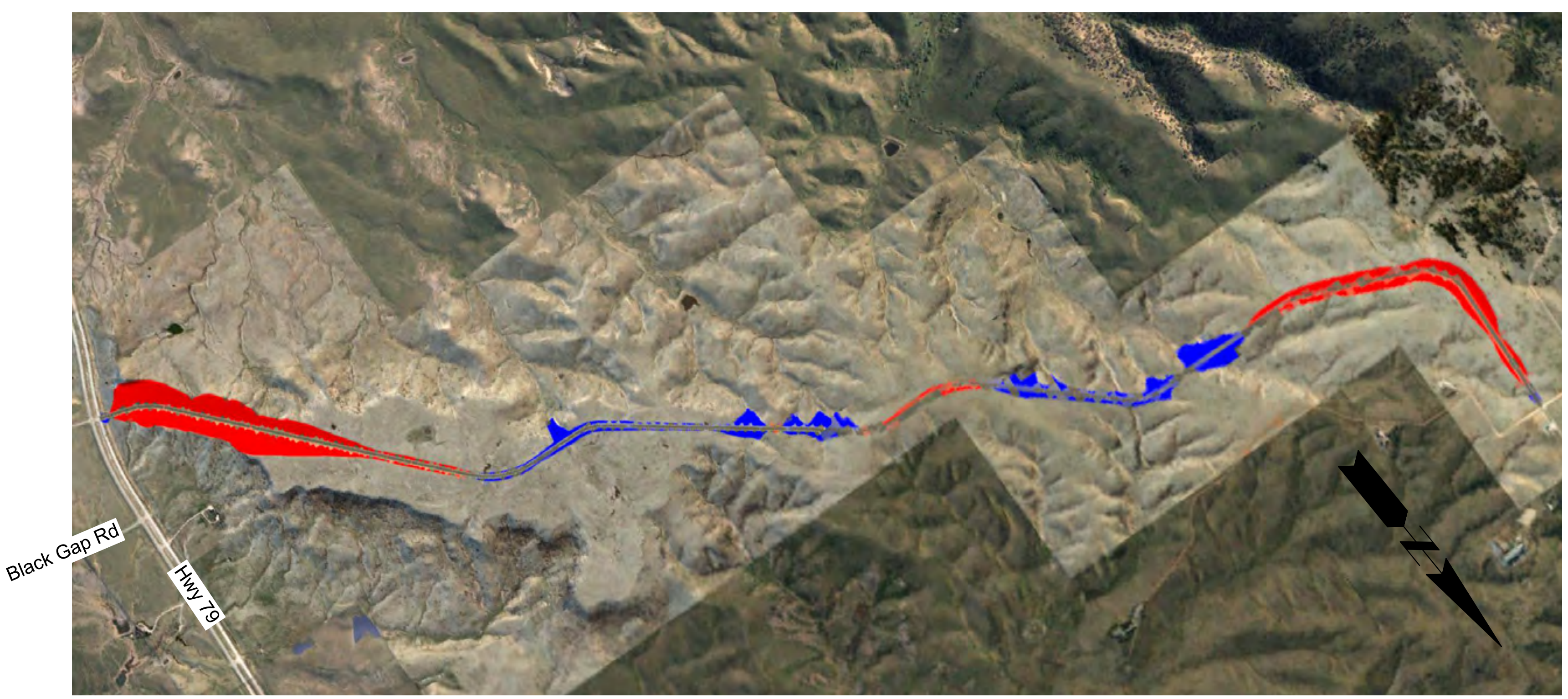
- Design speed – 45 MPH.



Isometric looking northwest at station 1+00



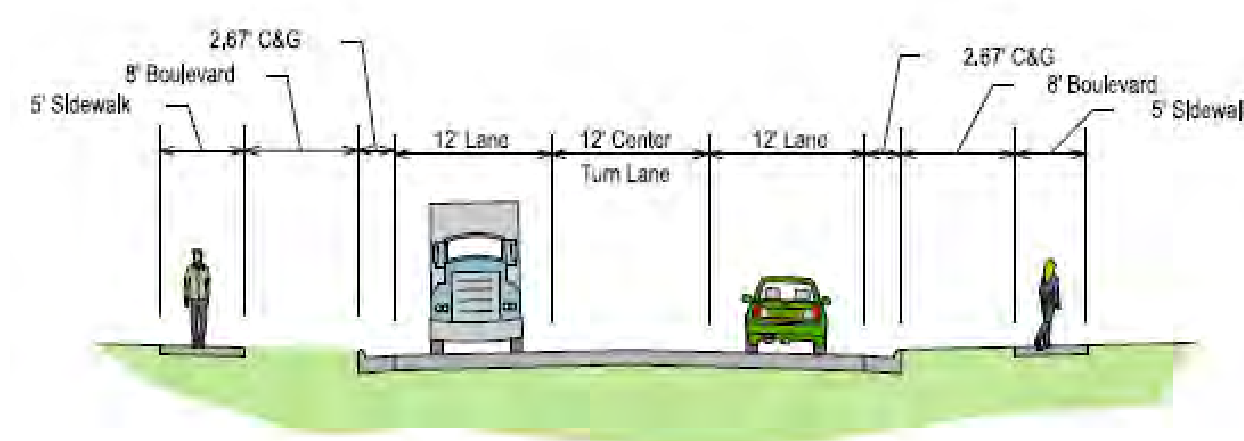
Isometric looking southeast at station 121+00

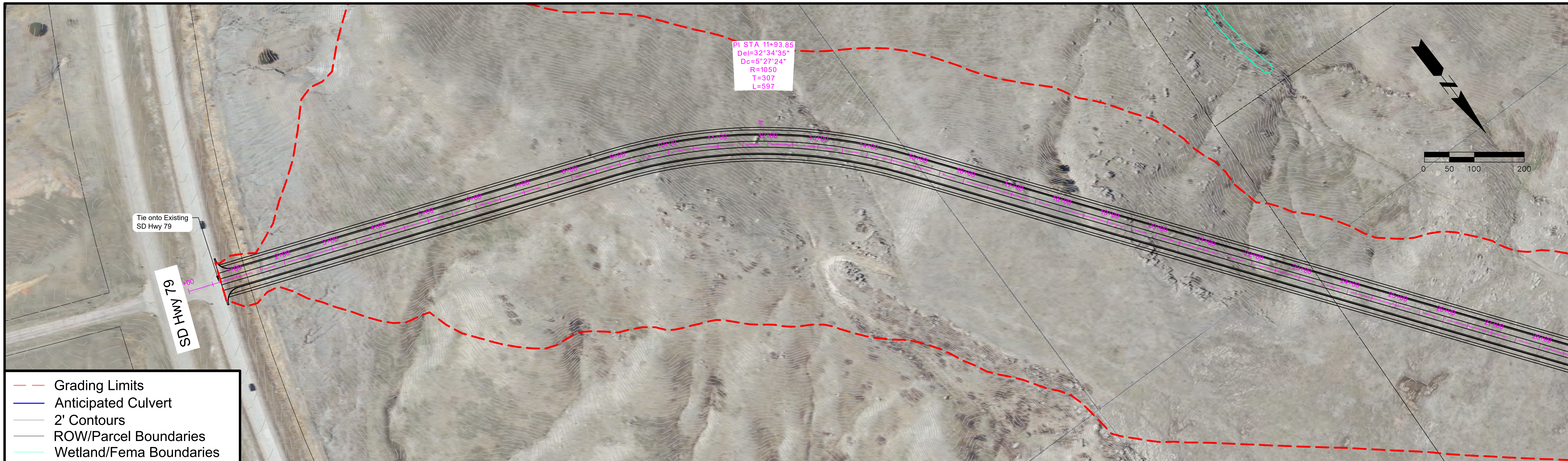


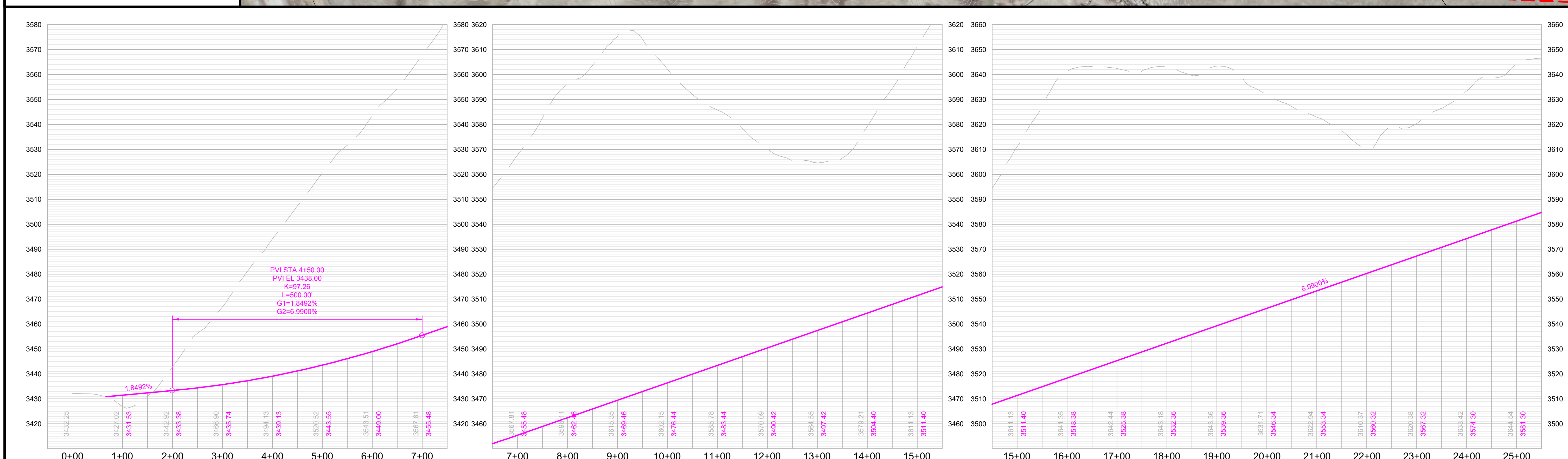
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial





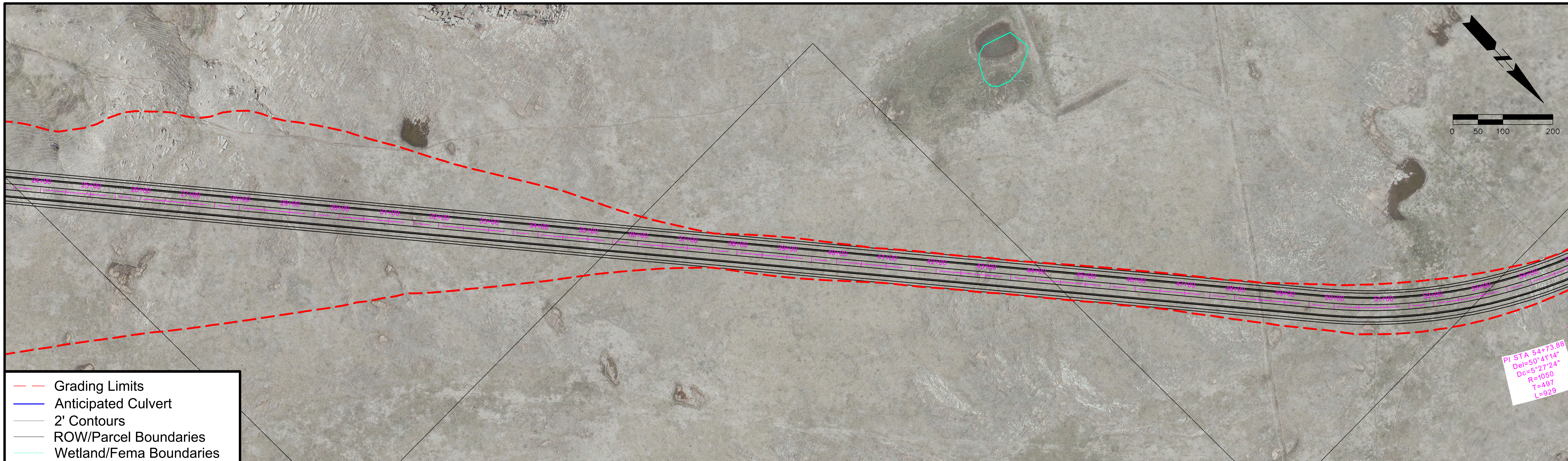


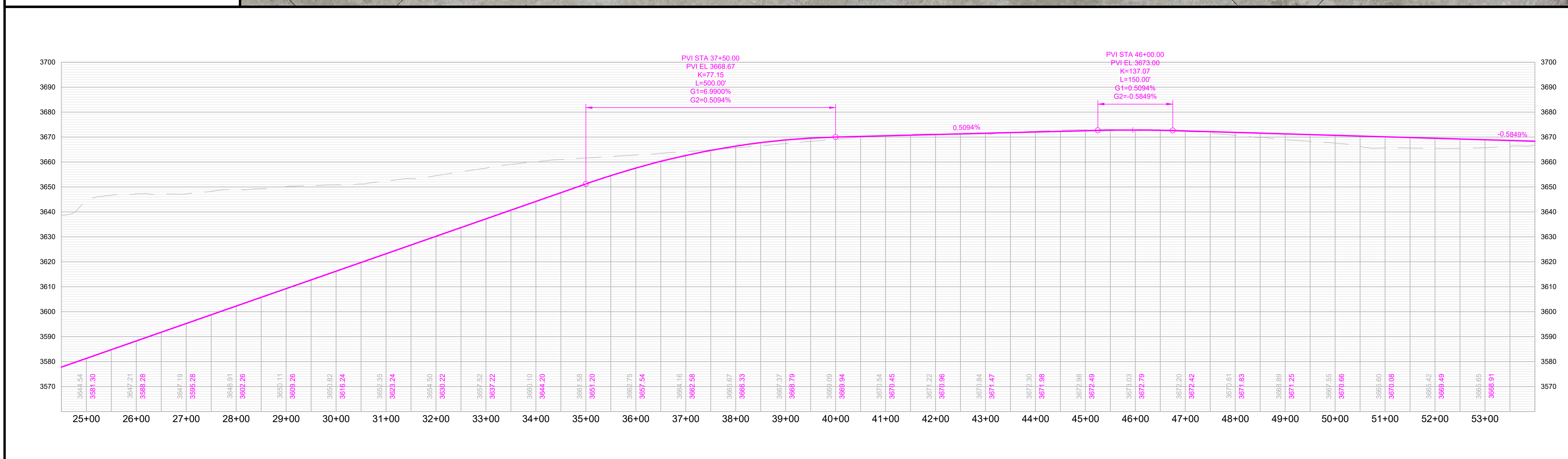
Dreamscape Road

Sammis Trail to SD Hwy 79

SHEET

1 of 7





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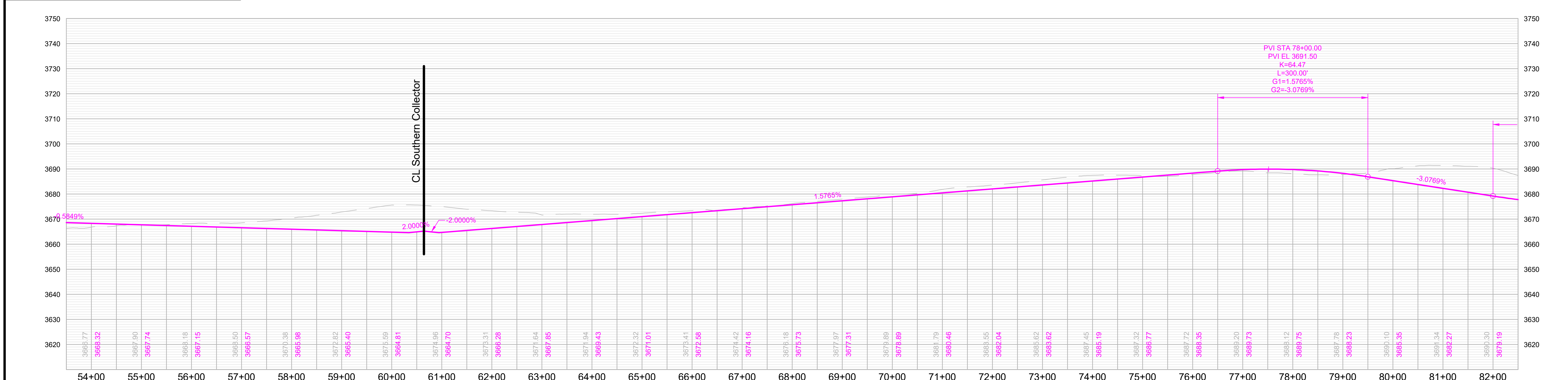
Dreamscape Road

Sammis Trail to SD Hwy 79



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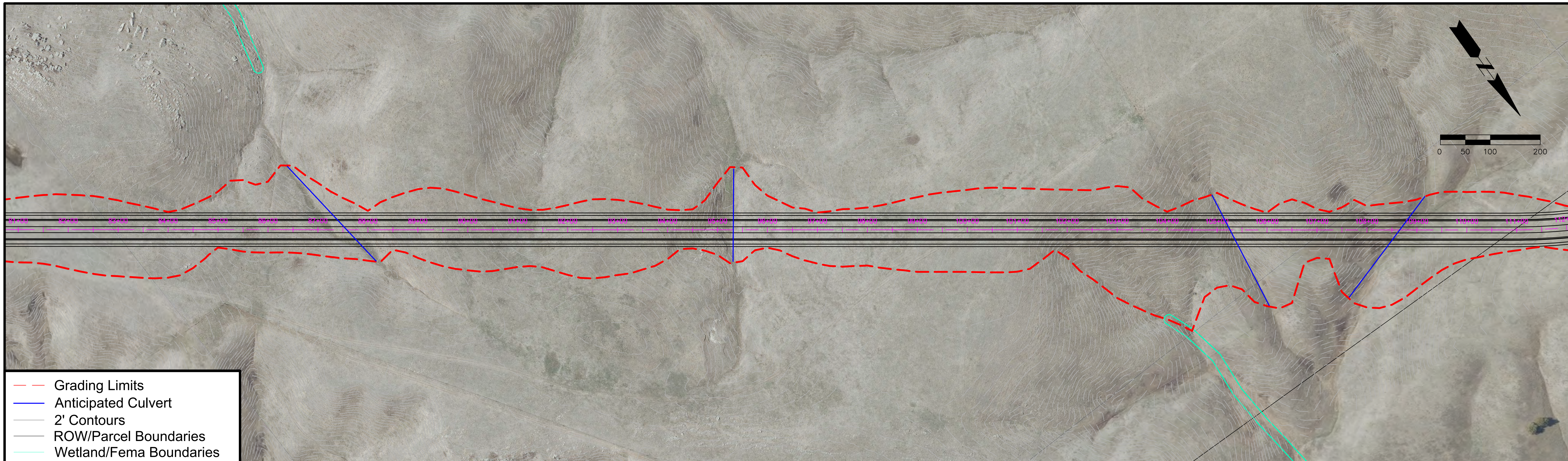
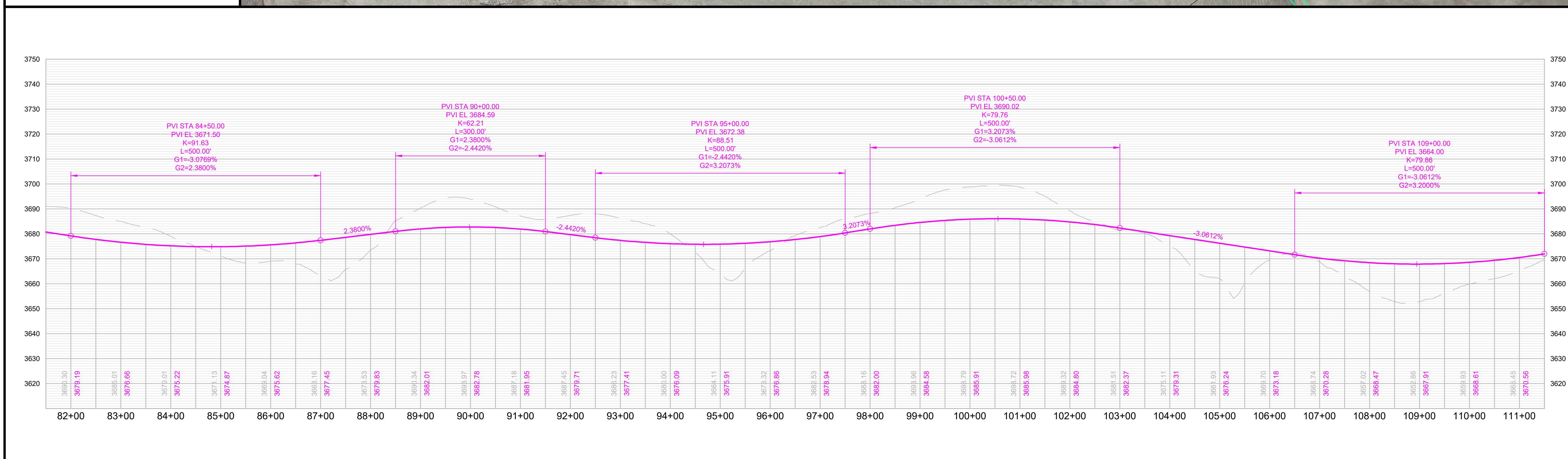
Dreamscape Road

Sammis Trail to SD Hwy 79

SHEET



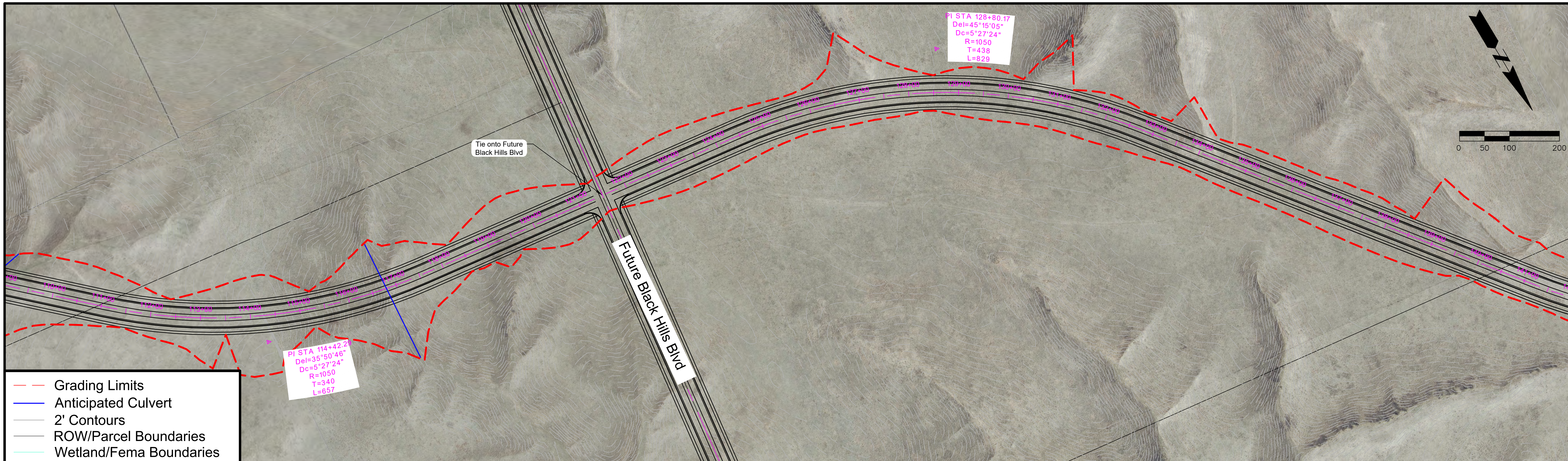


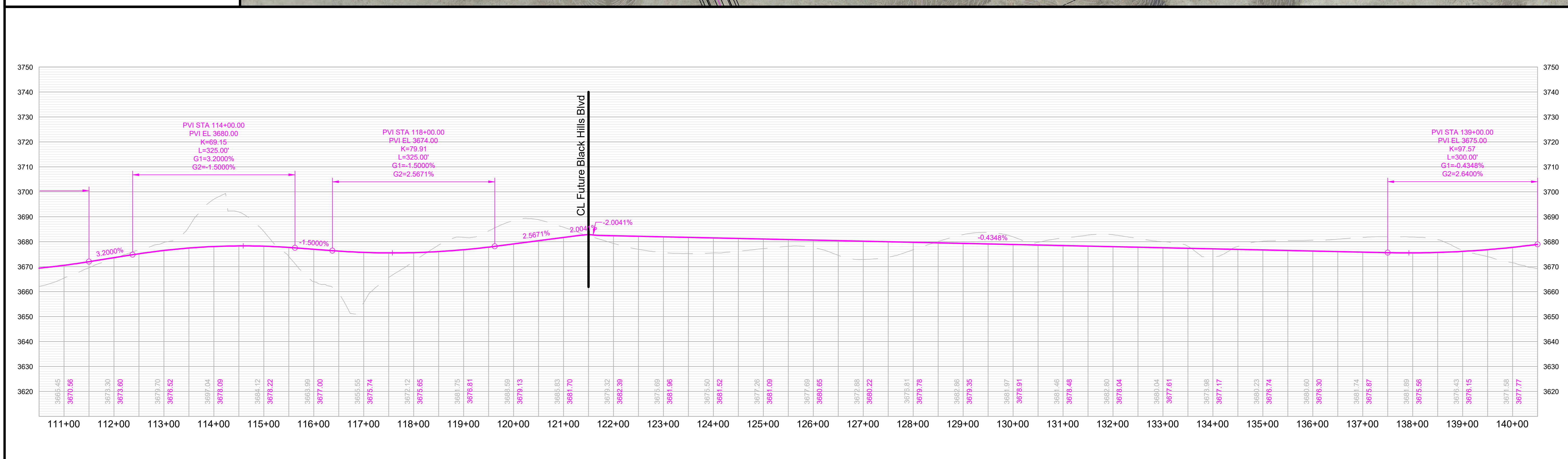
Dreamscape Road

Sammis Trail to SD Hwy 79

SHEET

4 of 7





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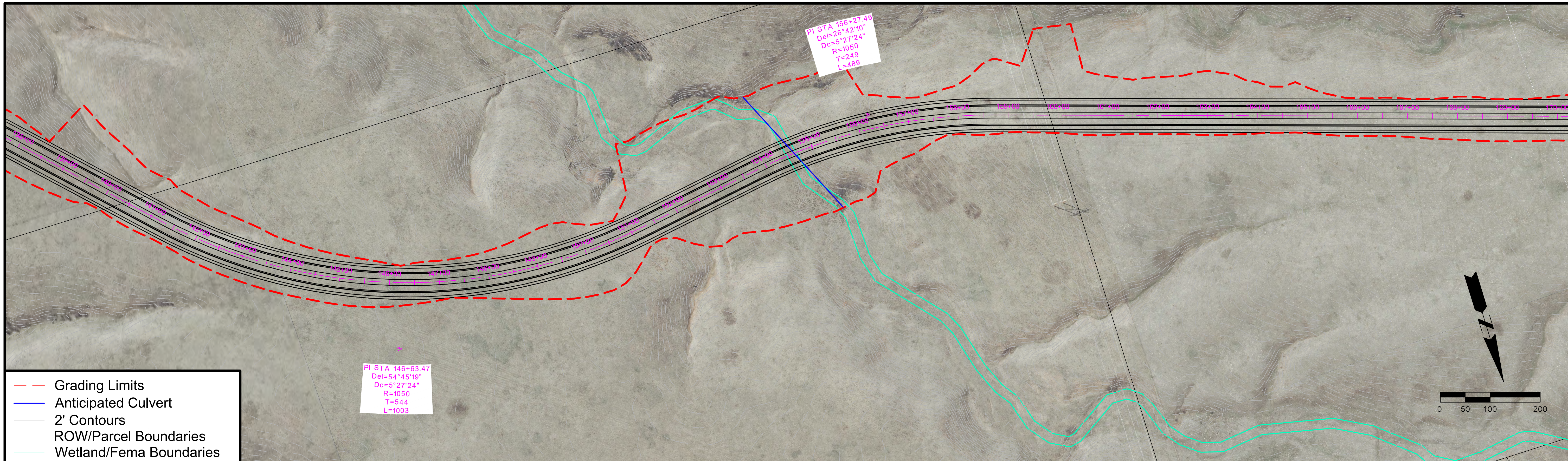
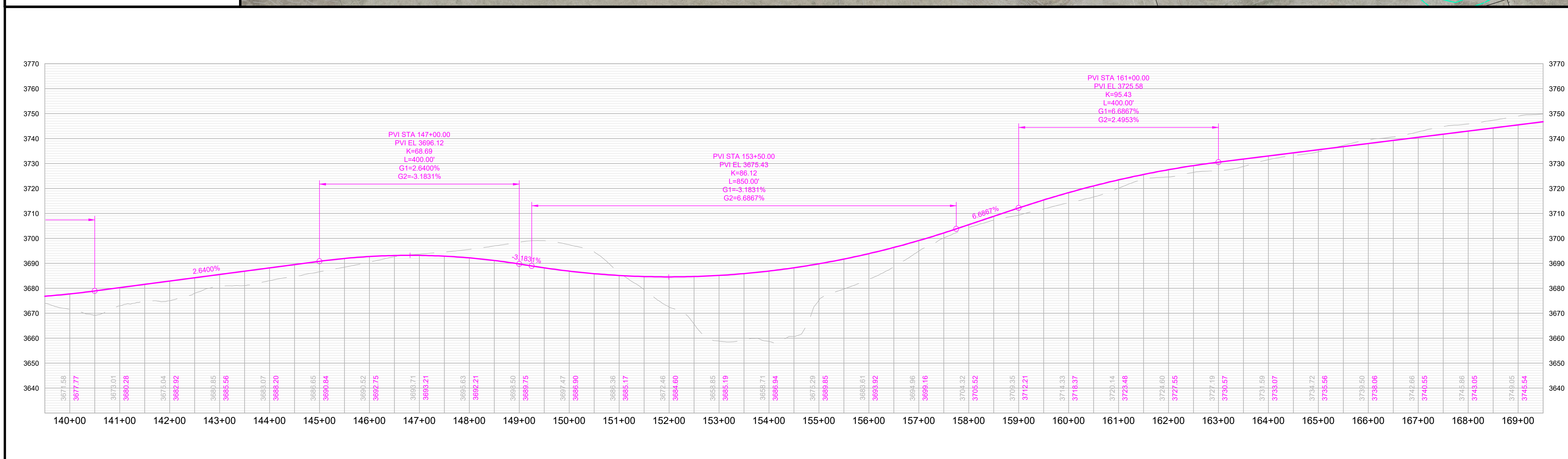
Dreamscape Road

Sammis Trail to SD Hwy 79





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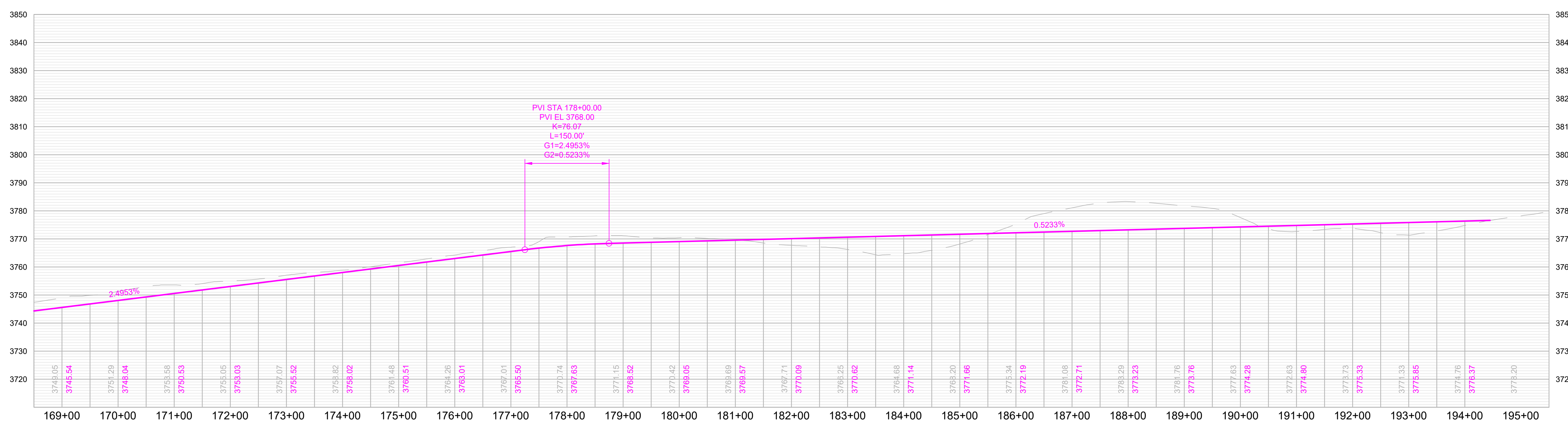
Dreamscape Road

Sammis Trail to SD Hwy 79



Dreamscape Road

Sammis Trail to SD Hwy 79

Southern Collector

SD Hwy 79 to Upper Spring Creek Road

Classification: Principal Arterial/Collector

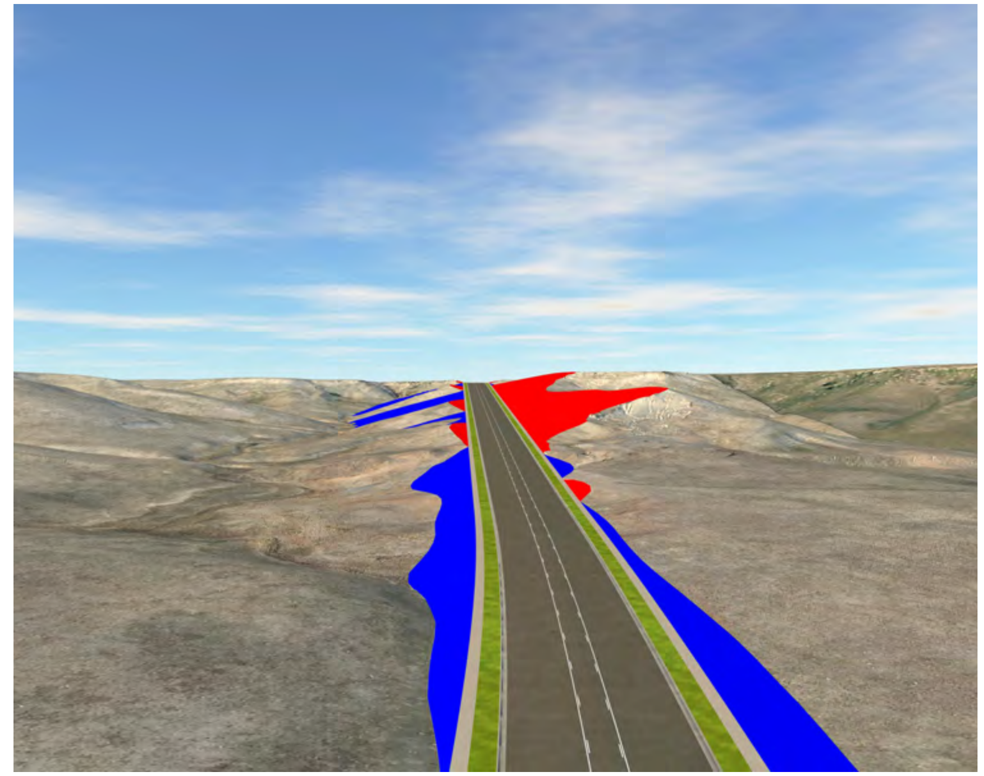
Corridor Length: 15,961 FT

Estimated Quantities

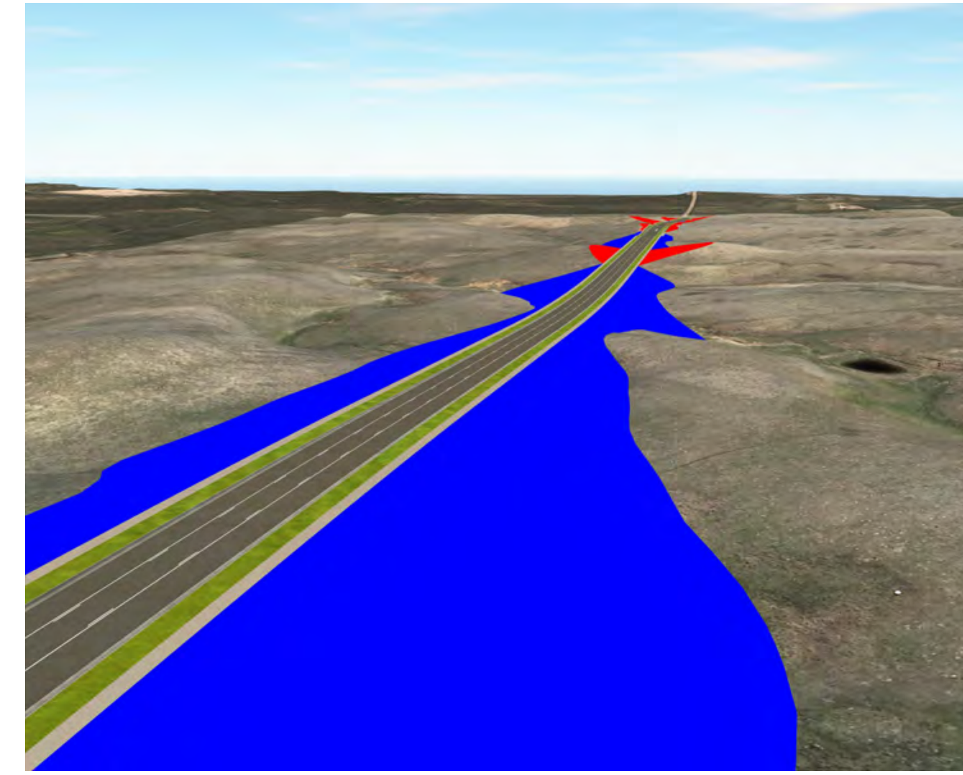
- **Road Surface:** 88,589 CY
- **Earthwork Cut (Red):** 1,568,902 CY
- **Earthwork Fill (Blue):** 581,706 CY

Segment Considerations:

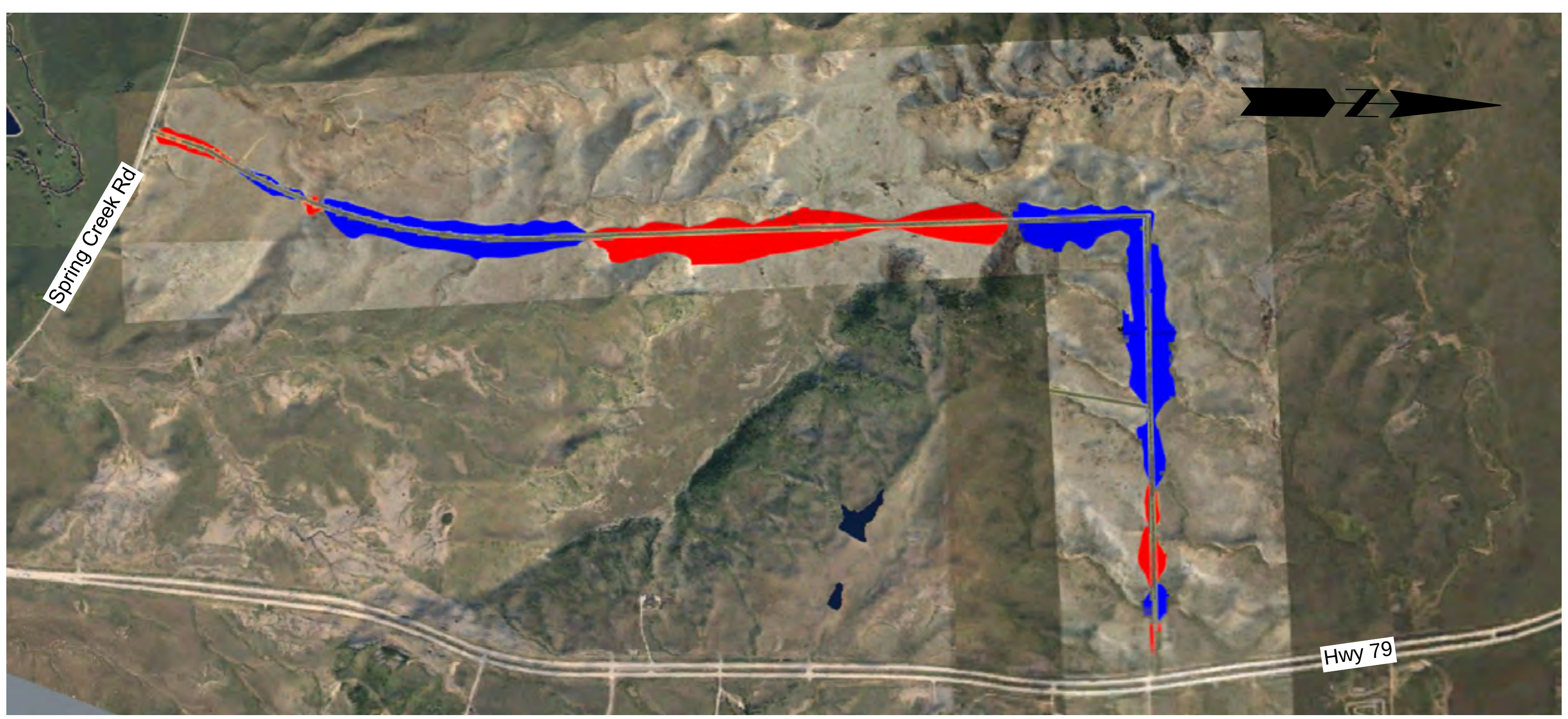
- Design speed – 50 MPH and 35 MPH.



Isometric looking north at station 39+00

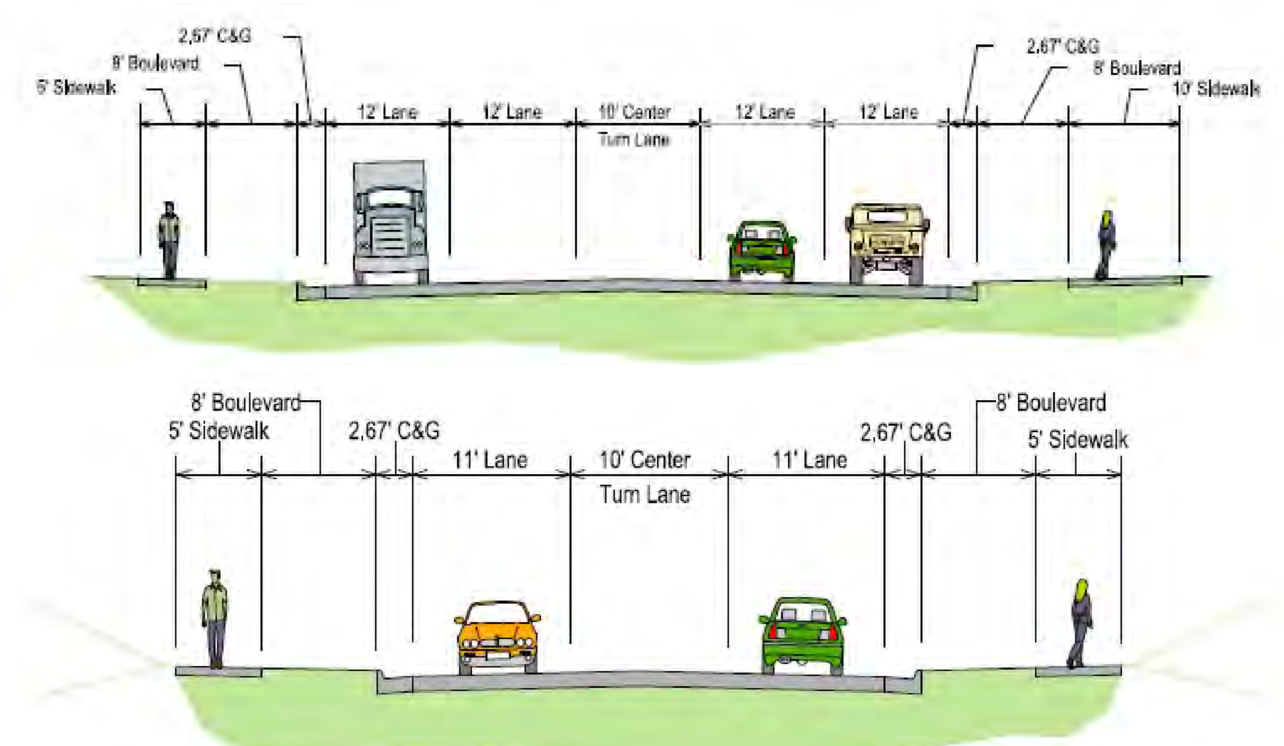


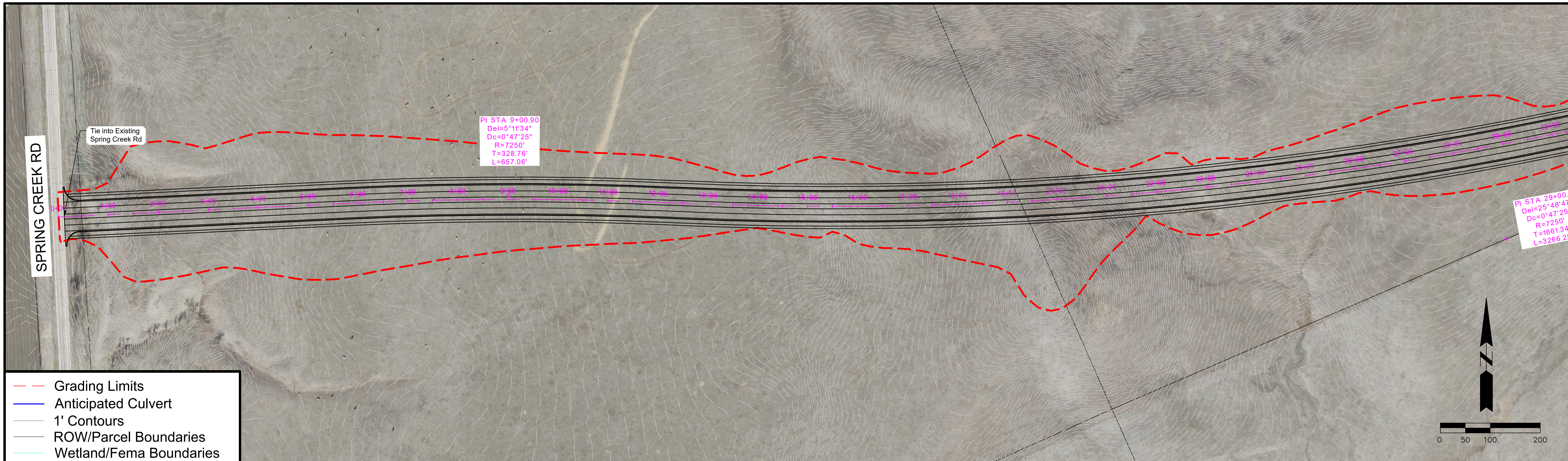
Isometric looking east at station 202+00

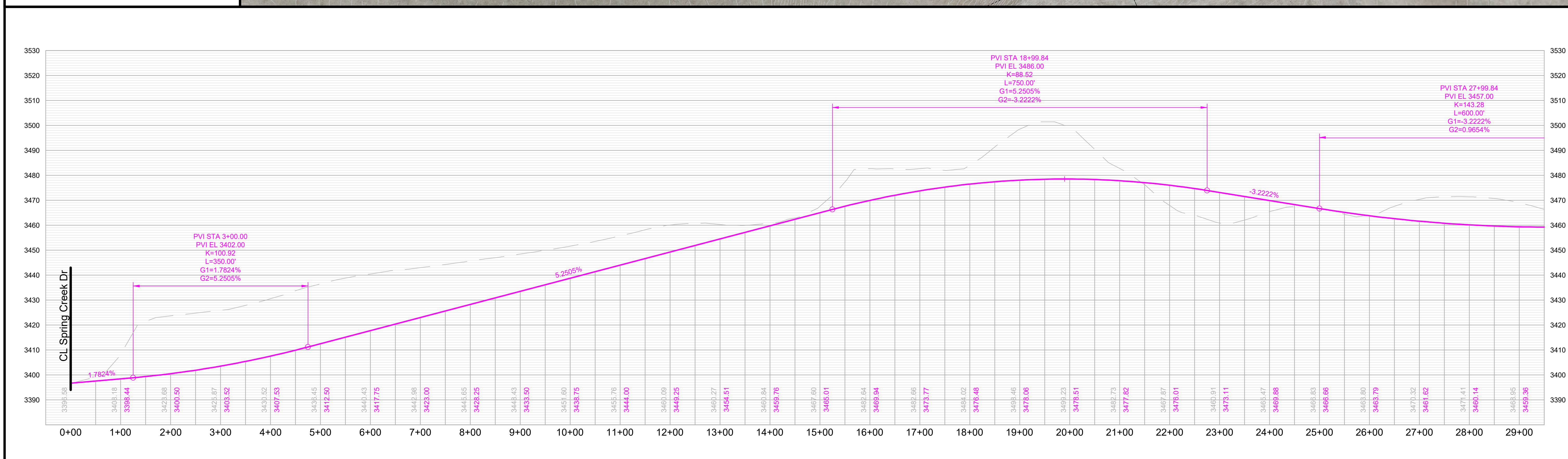


Segment Overview

Proposed Typical Sections







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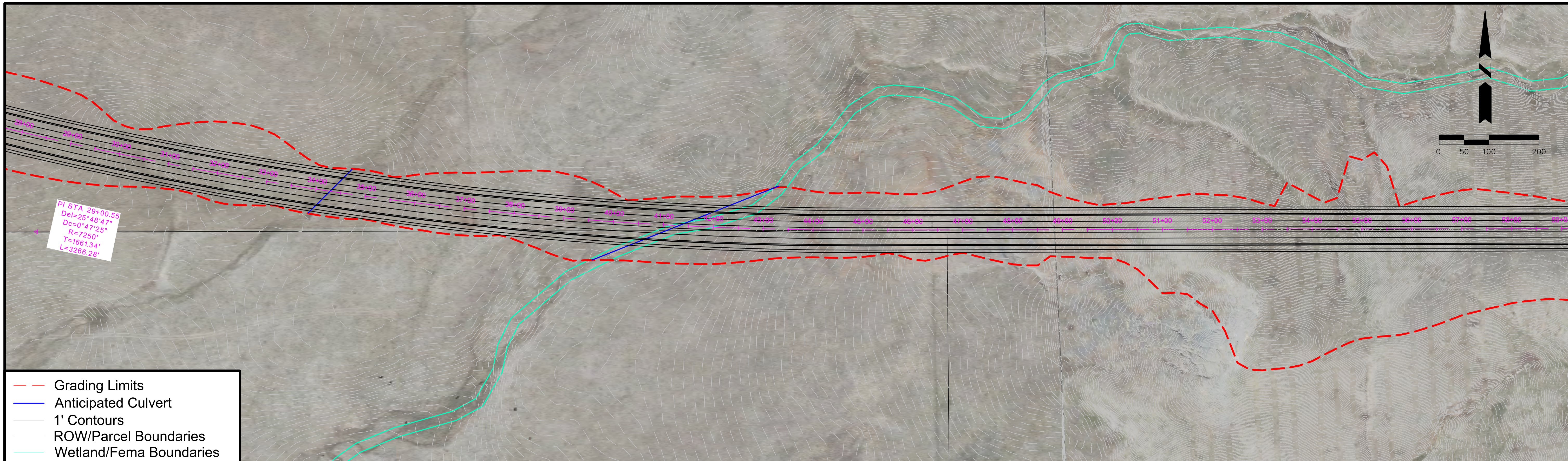
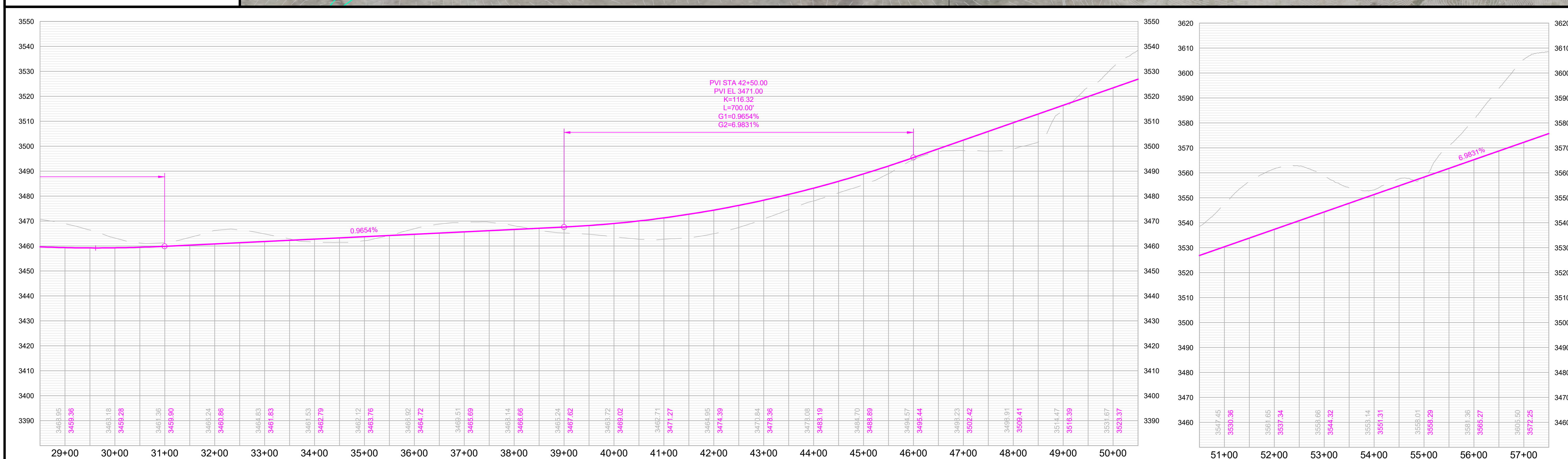
Southern Collector

US HWY 79 to Upper Spring Creek Rd

SHEET

1 of 6





Southern Collector

US HWY 79 to Upper Spring Creek Rd

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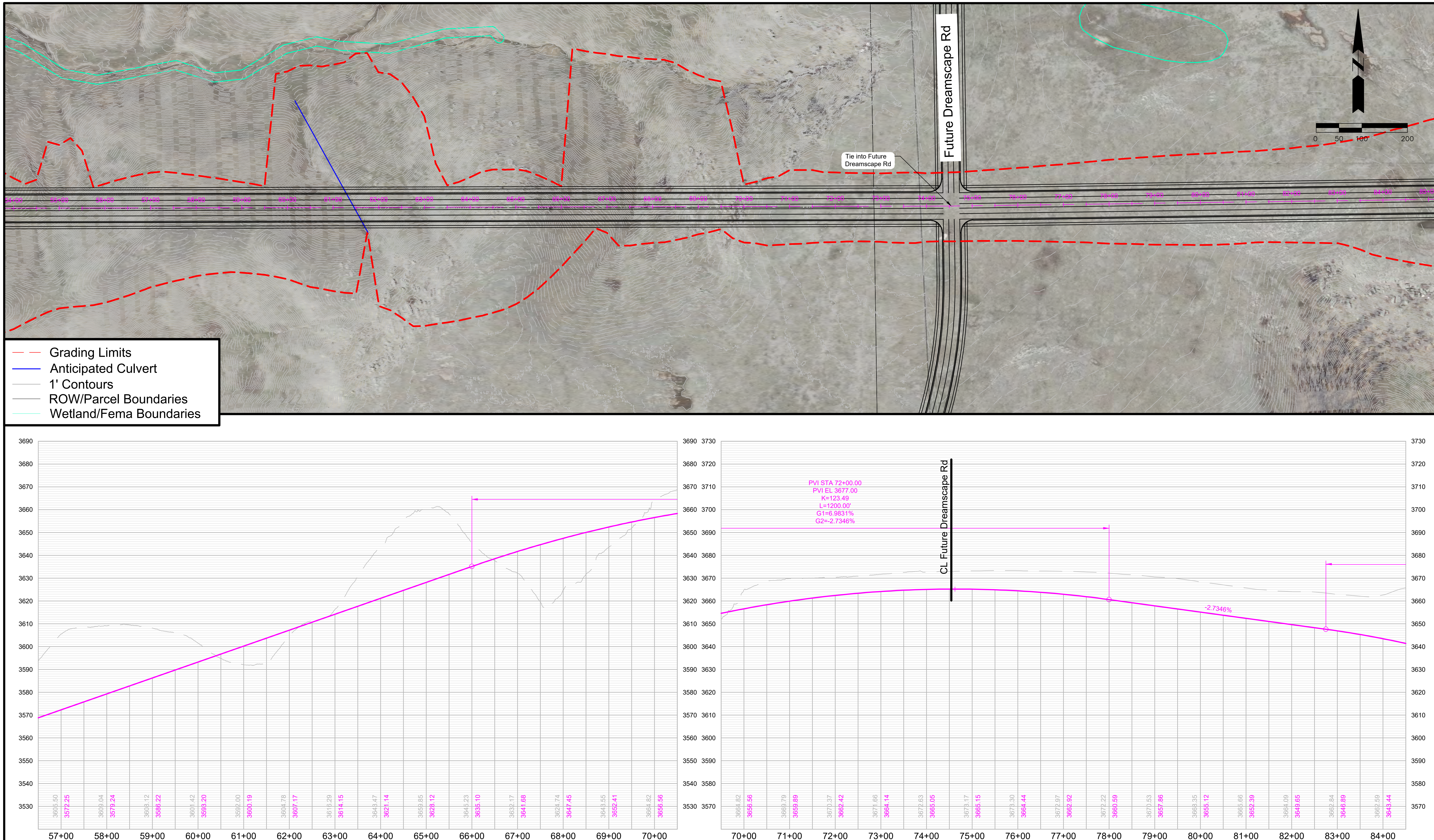
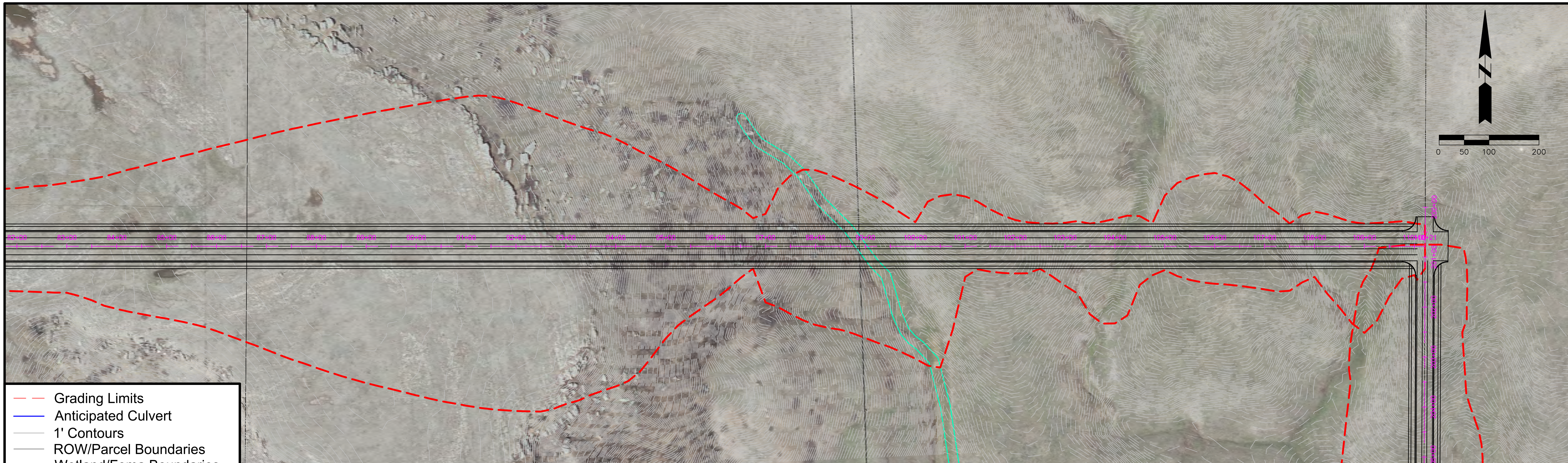
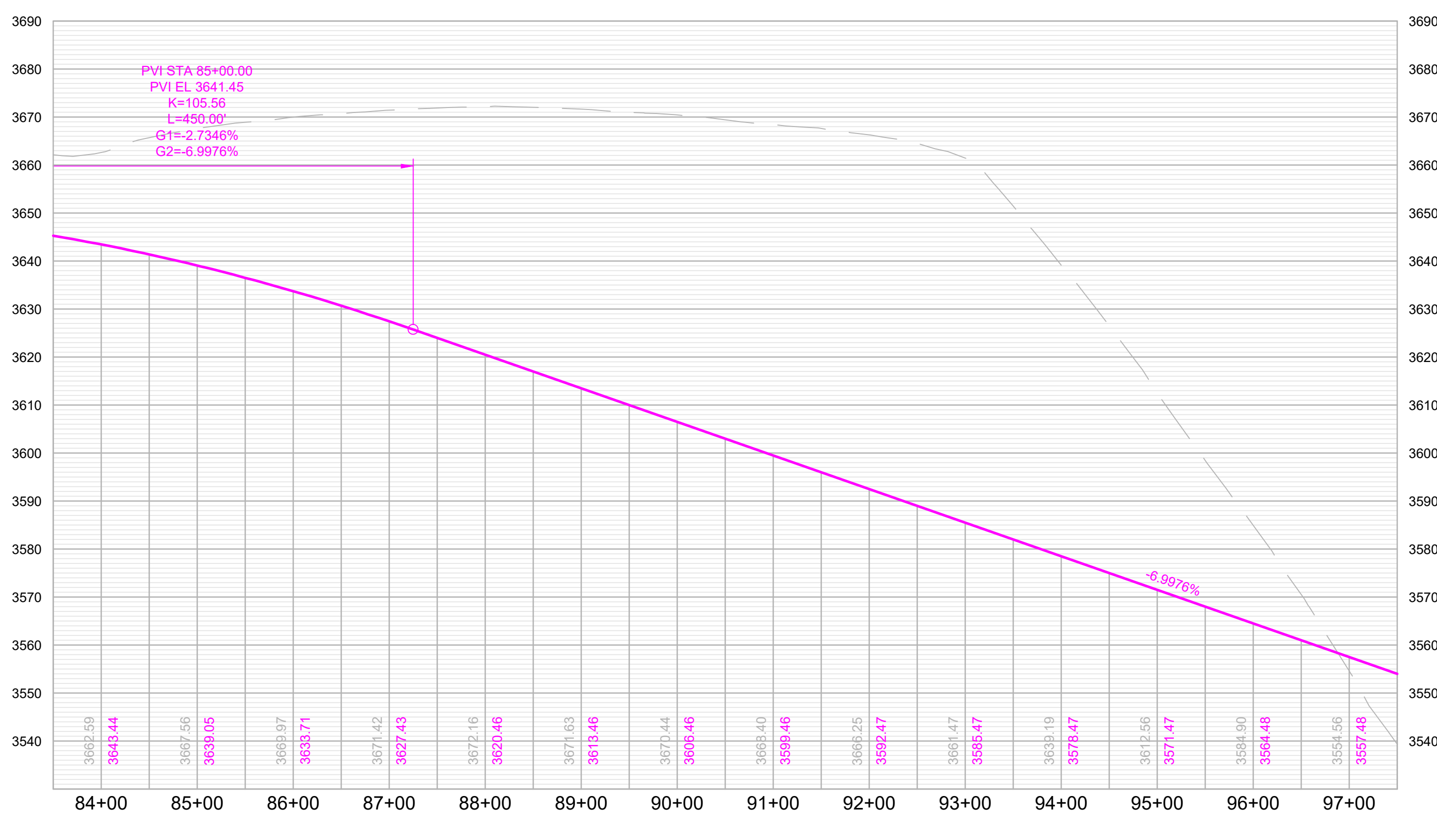


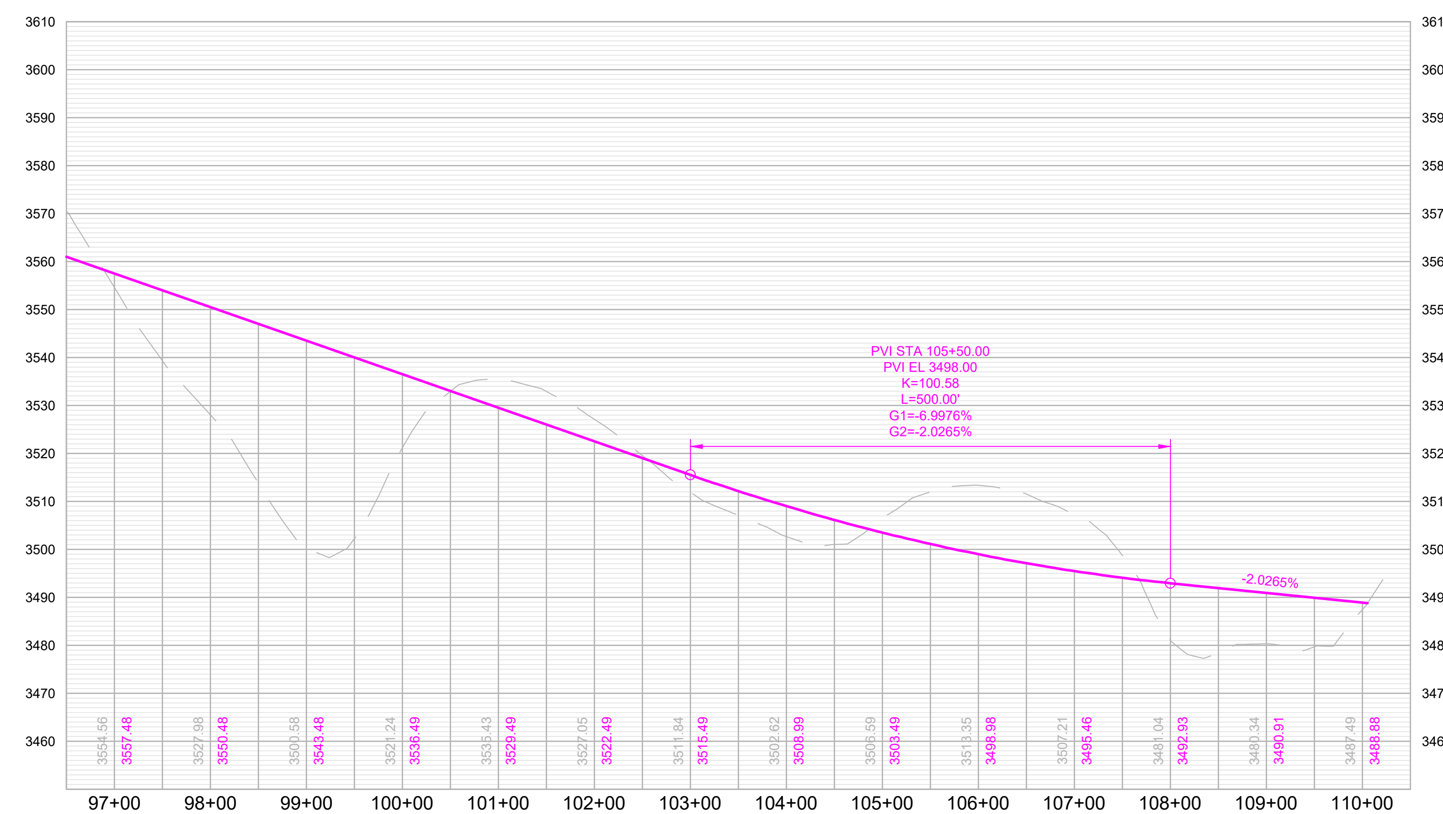
Southern Collector

US HWY 79 to Upper Spring Creek Rd

SHEET







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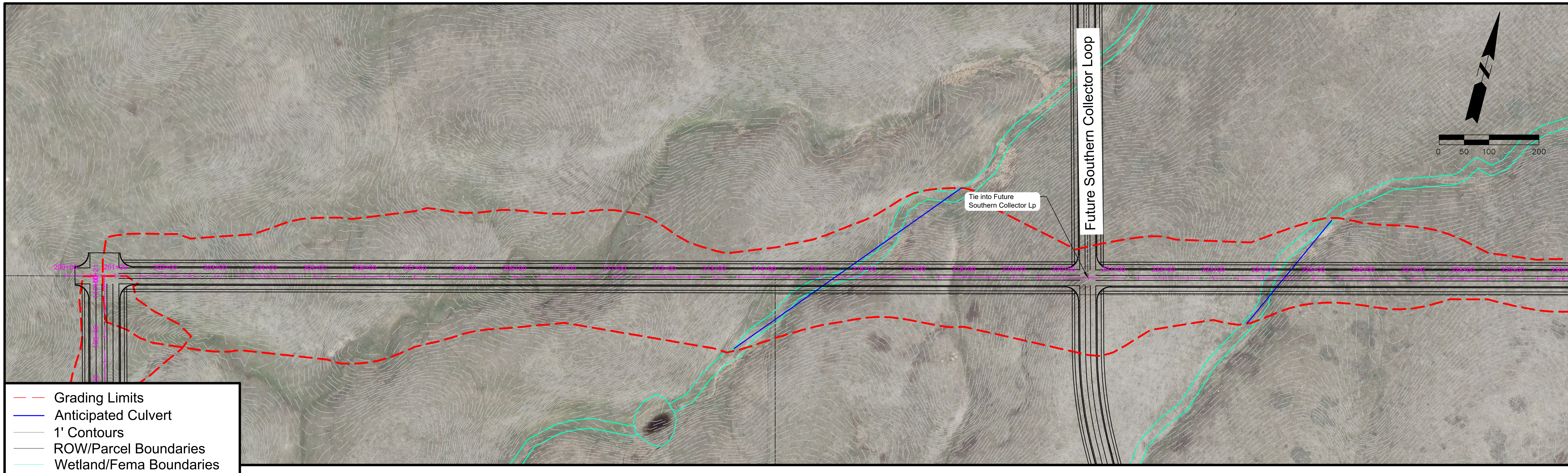
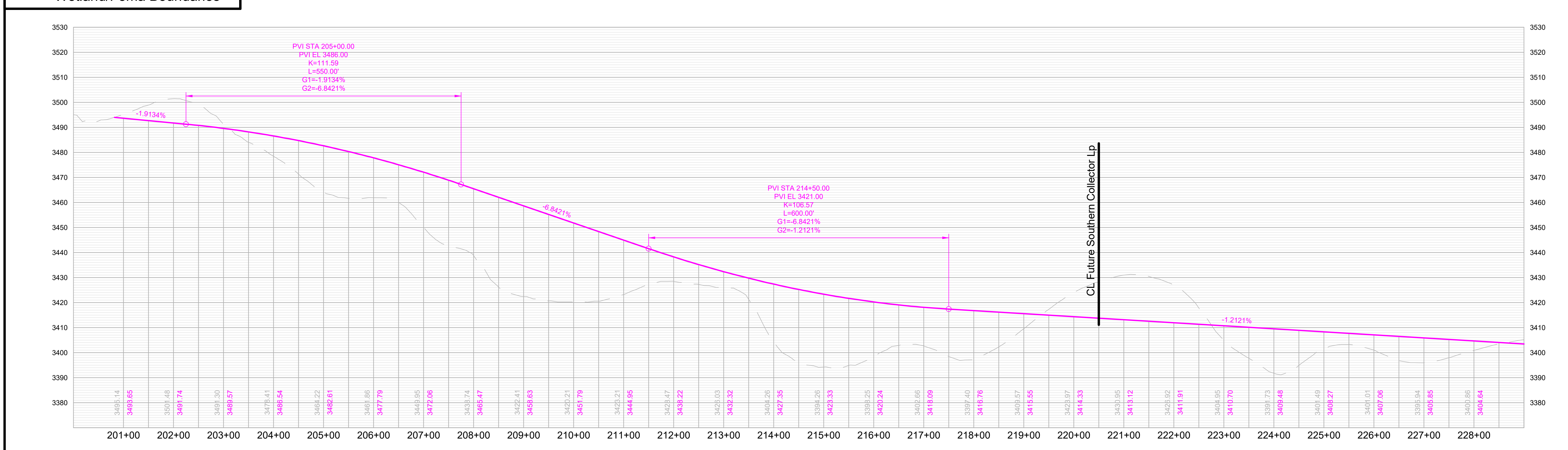
Southern Collector

US HWY 79 to Upper Spring Creek Rd





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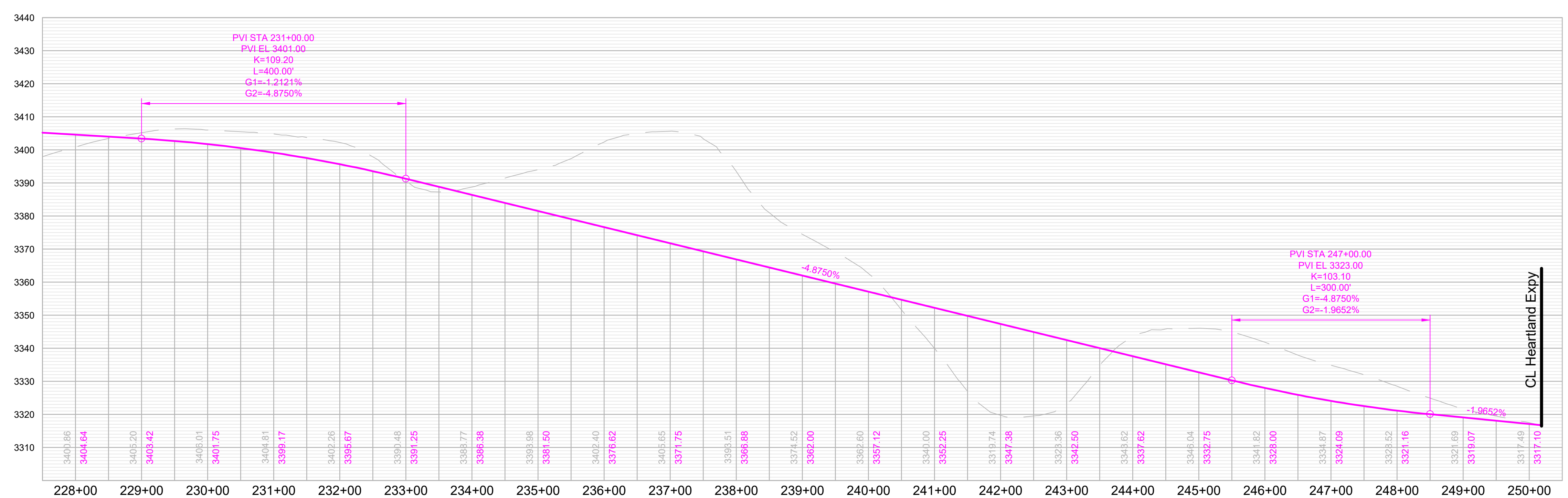
Southern Collector

US HWY 79 to Upper Spring Creek Rd

SHEET



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Southern Collector

US HWY 79 to Upper Spring Creek Rd

SHEET

Southern Collector Loop
SD Hwy 79 to North of Black Gap

Classification: Collector

Corridor Length: 11,550 FT

Estimated Quantities

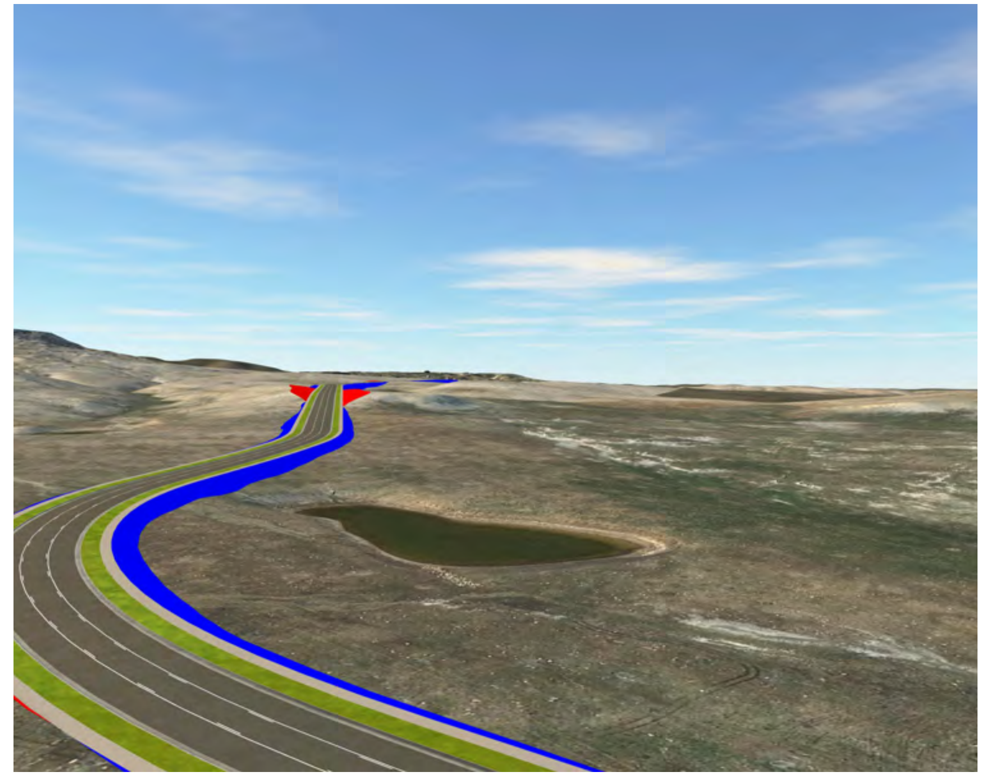
Road Surface: 41,067 SY

Earthwork Cut (Red): 48,438 CY

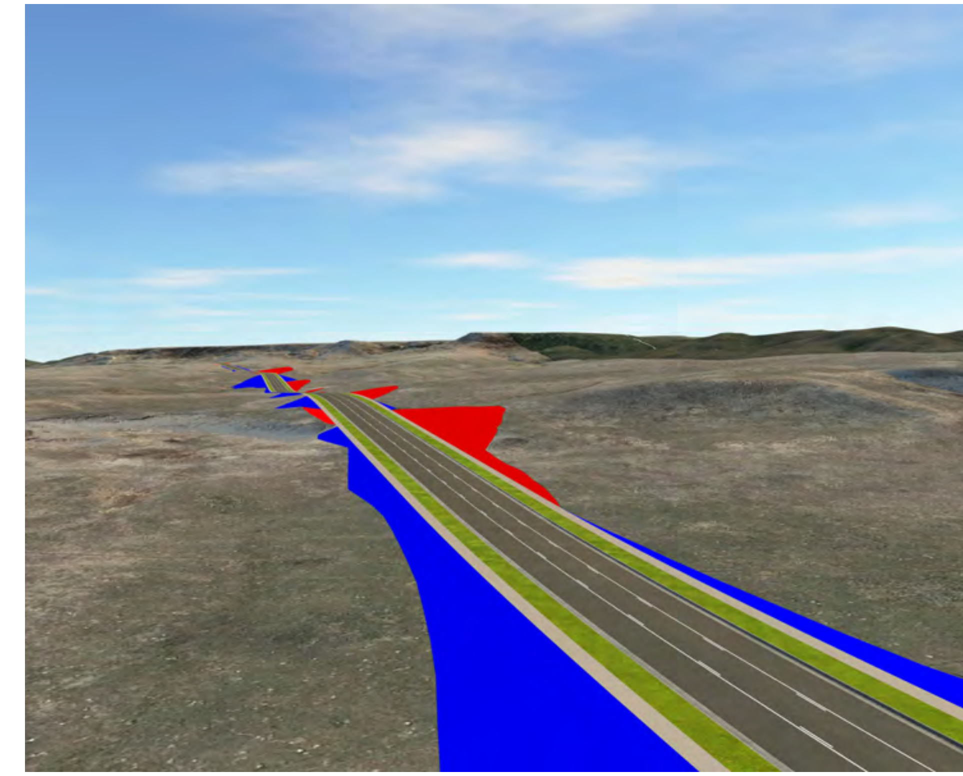
Earthwork Fill (Blue): 236,080 CY

Segment Considerations:

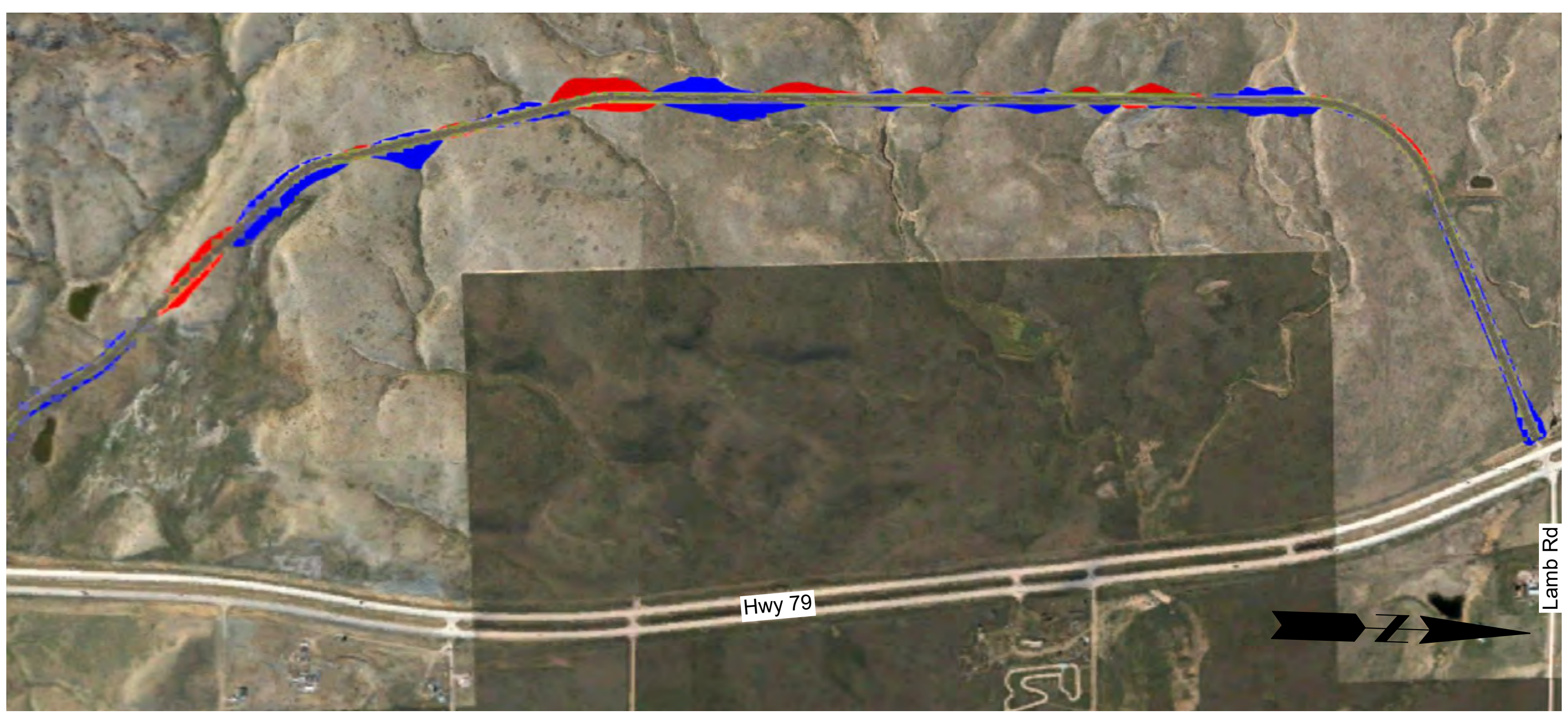
- Design speed – 35 MPH.



Isometric looking northwest at station 2+50



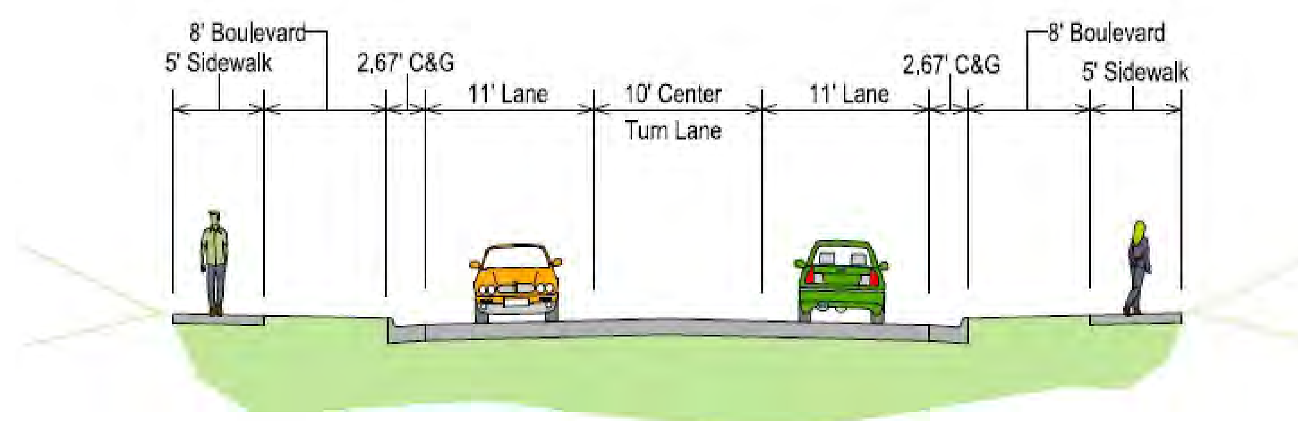
Isometric looking southwest at station 86+50

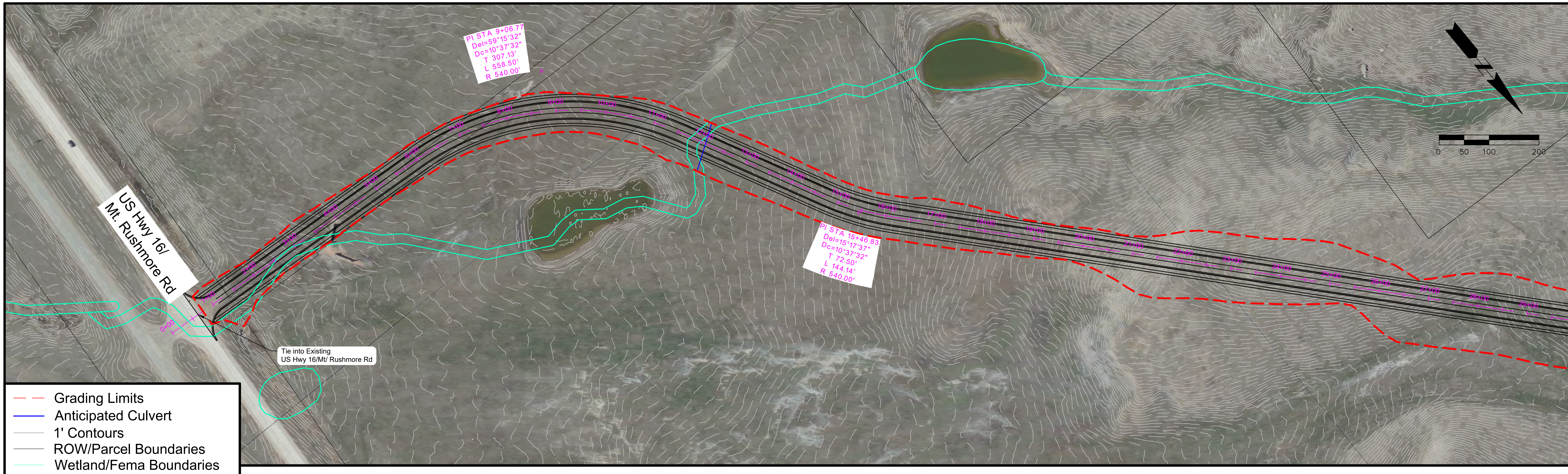


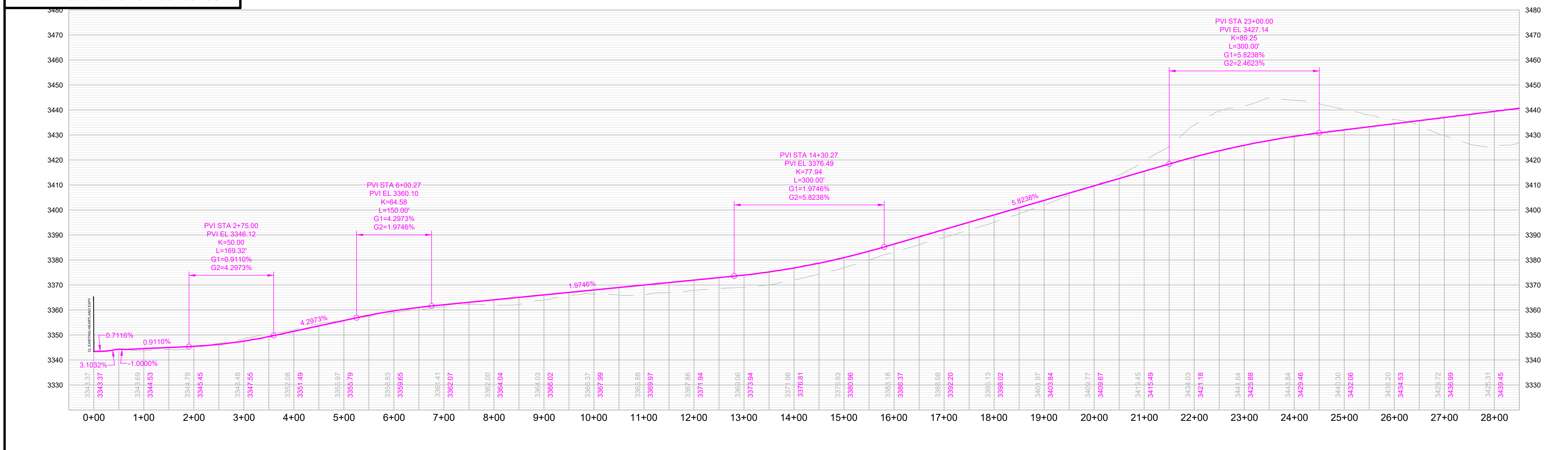
Segment Overview

Proposed Typical Section

3 Lane Collector







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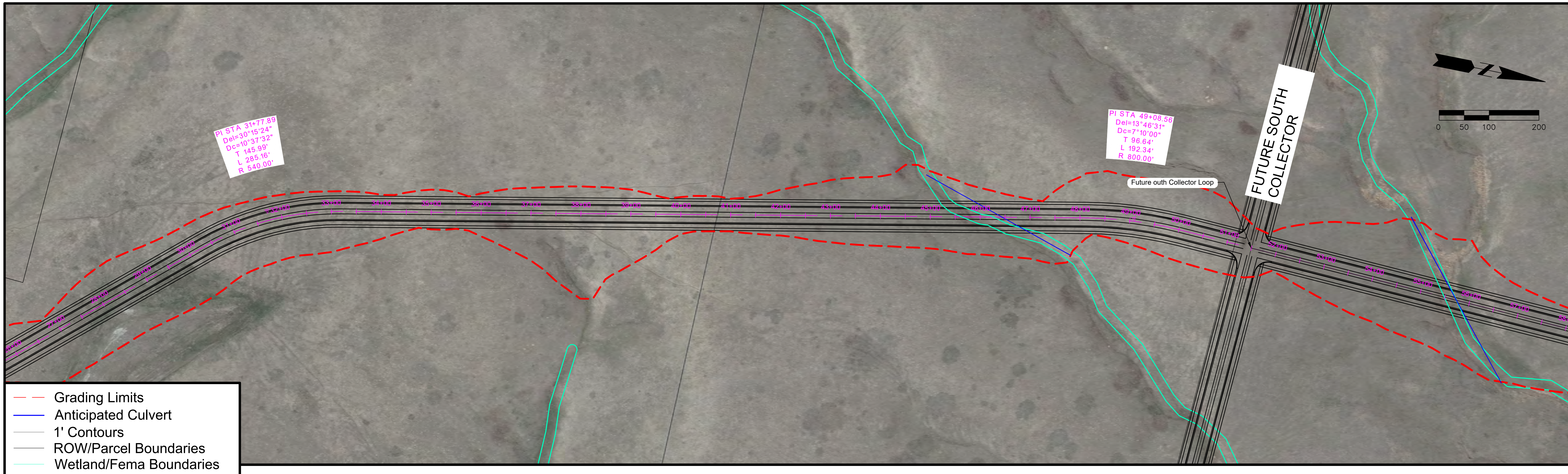
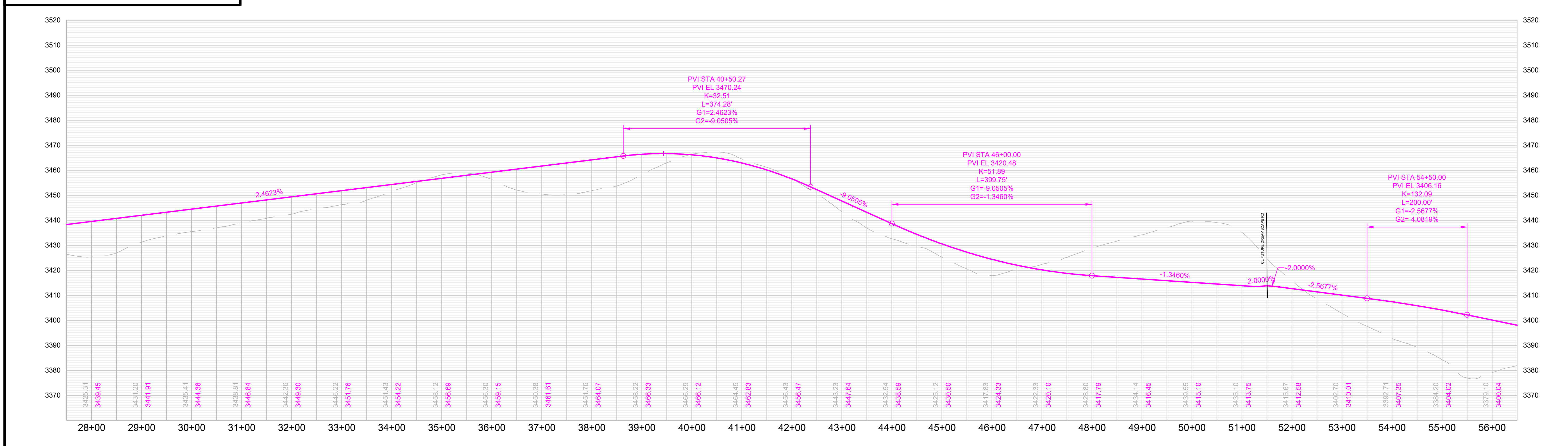
Southern Collector Loop

SD HWY 79 to North of Black Gap

SHEET

1 of 5





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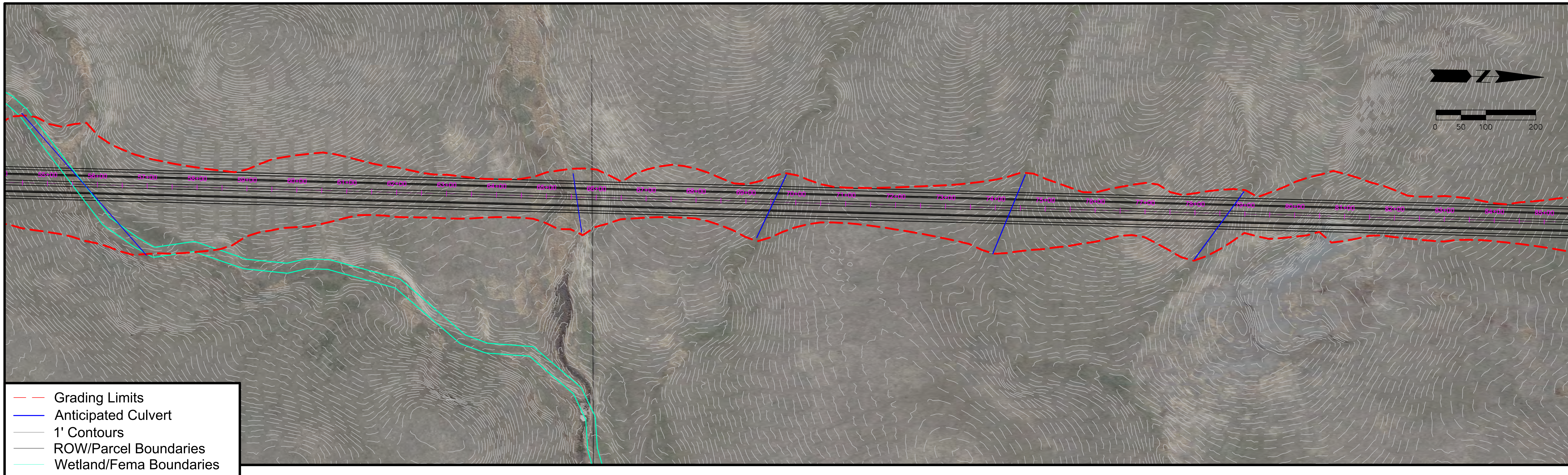
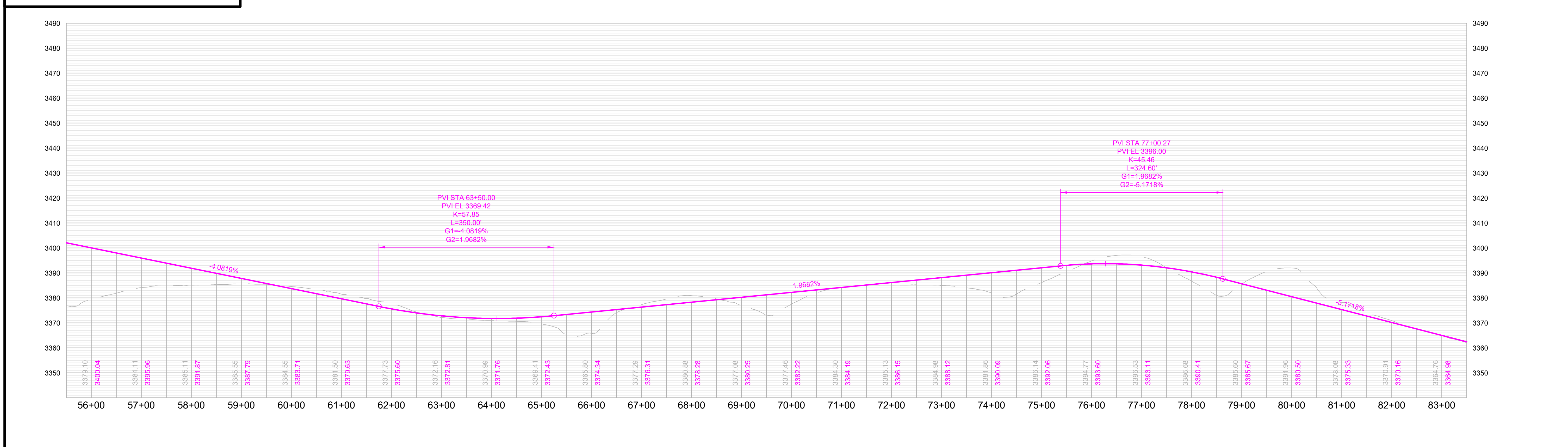
Southern Collector Loop

SD HWY 79 to North of Black Gap

SHEET





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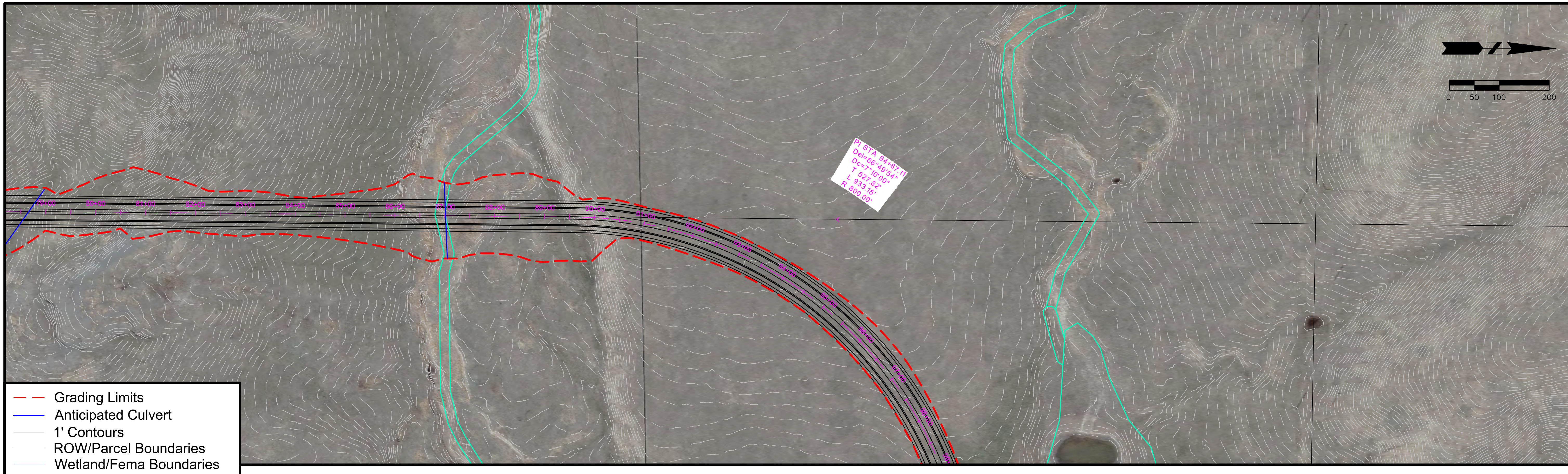
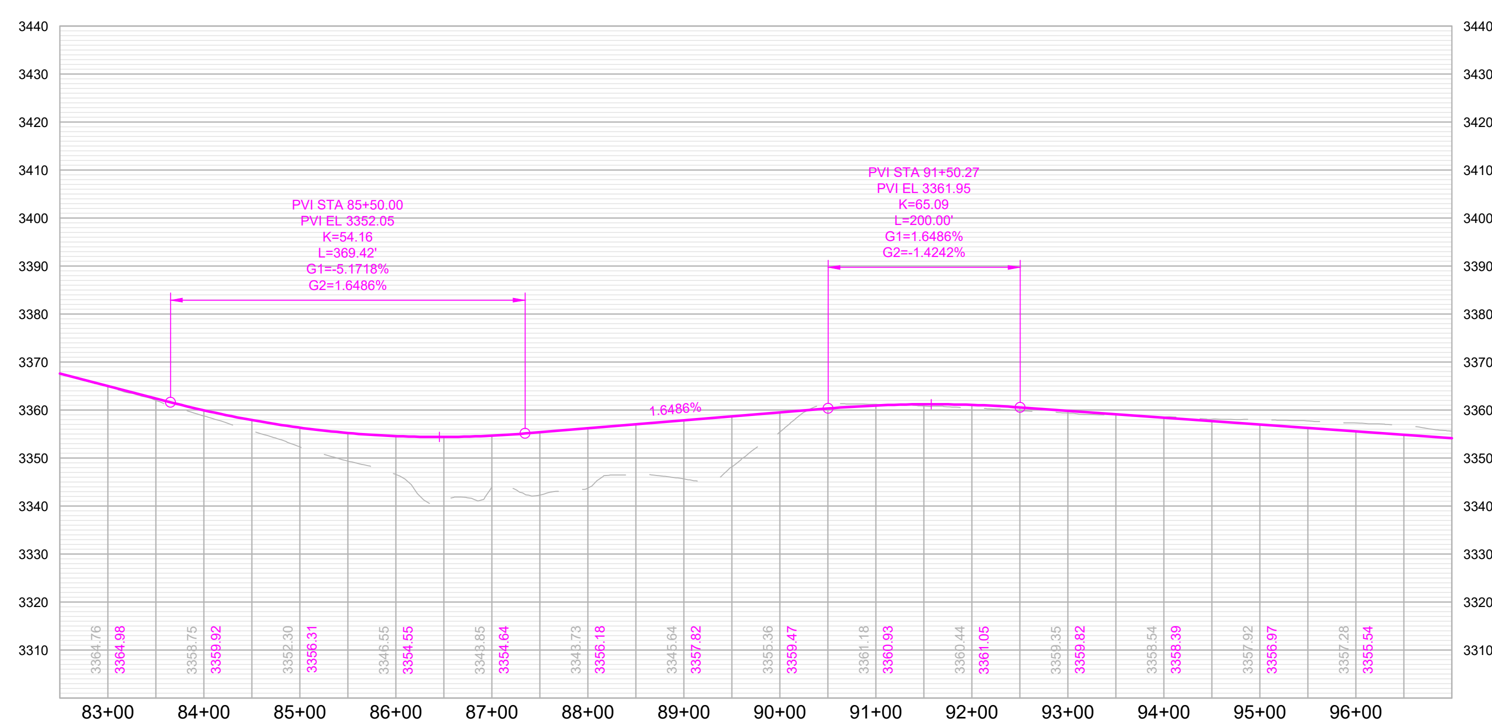
Southern Collector Loop

SD HWY 79 to North of Black Gap

SHEET





Southern Collector Loop

SD HWY 79 to North of Black Gap

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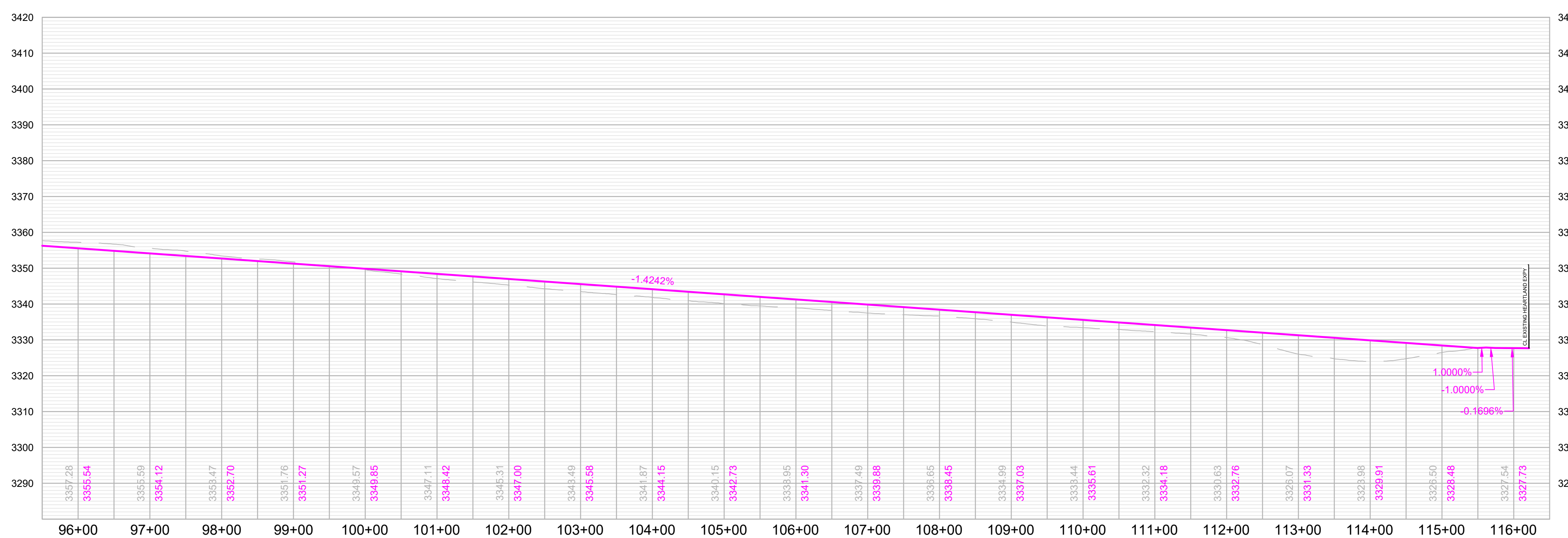

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Southern Collector Loop

SD HWY 79 to North of Black Gap

SHEET

Elm Avenue
Catron Boulevard to Field View Drive

Classification: Minor Arterial

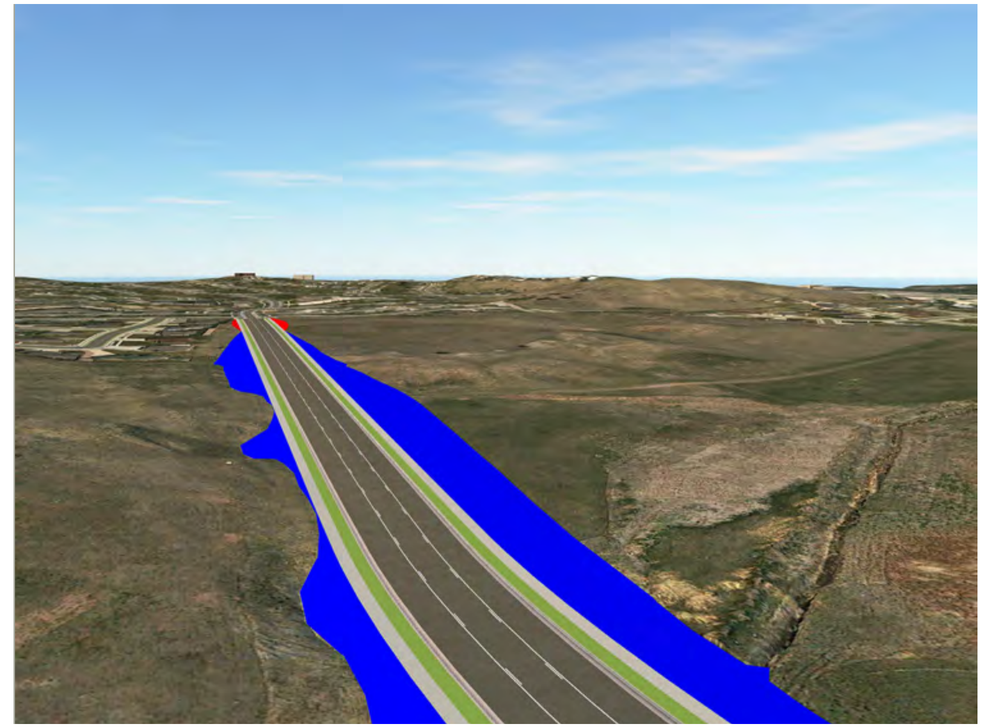
Corridor Length: 2,844 FT

Estimated Quantities

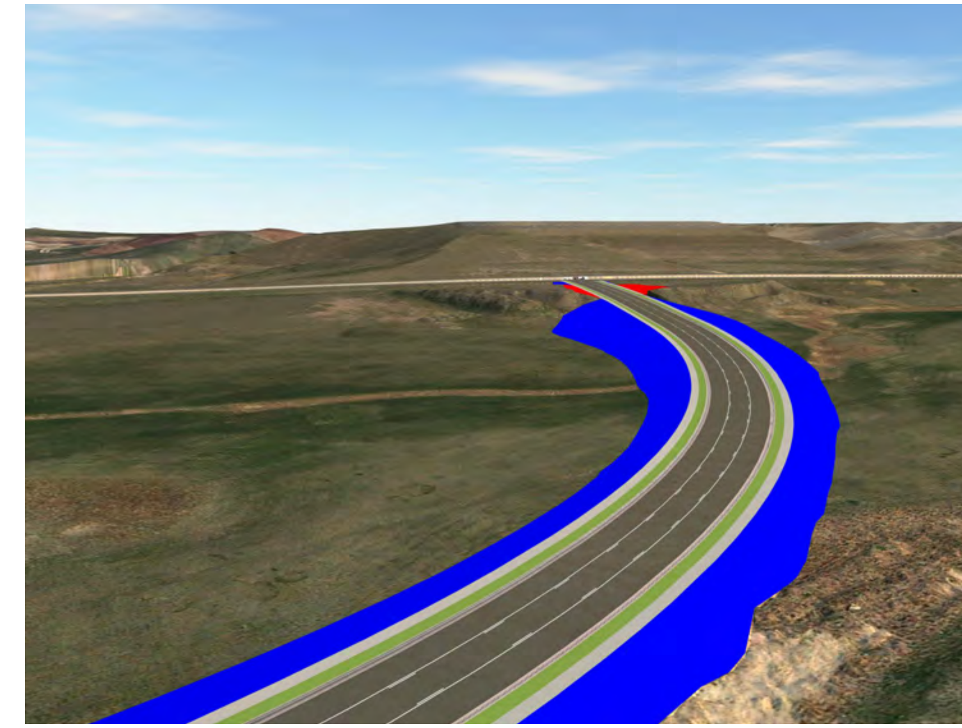
Road Surface: 11,376 SY

Earthwork Cut (Red): 14,864 CY

Earthwork Fill (Blue): 47,254 CY



Isometric looking north at station 13+00



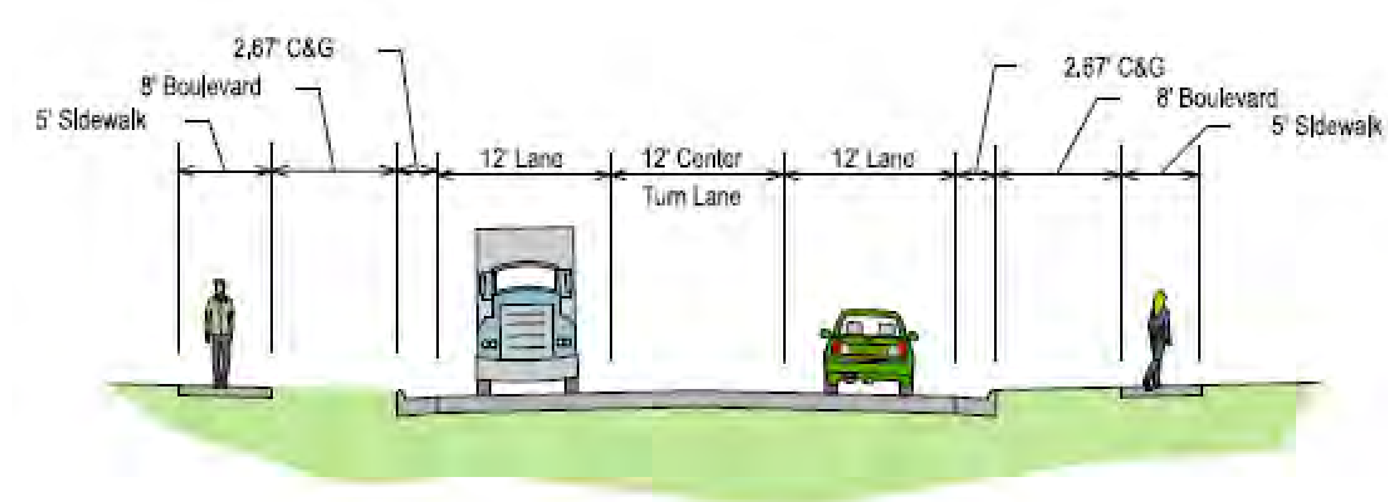
Isometric looking southeast at station 15+00

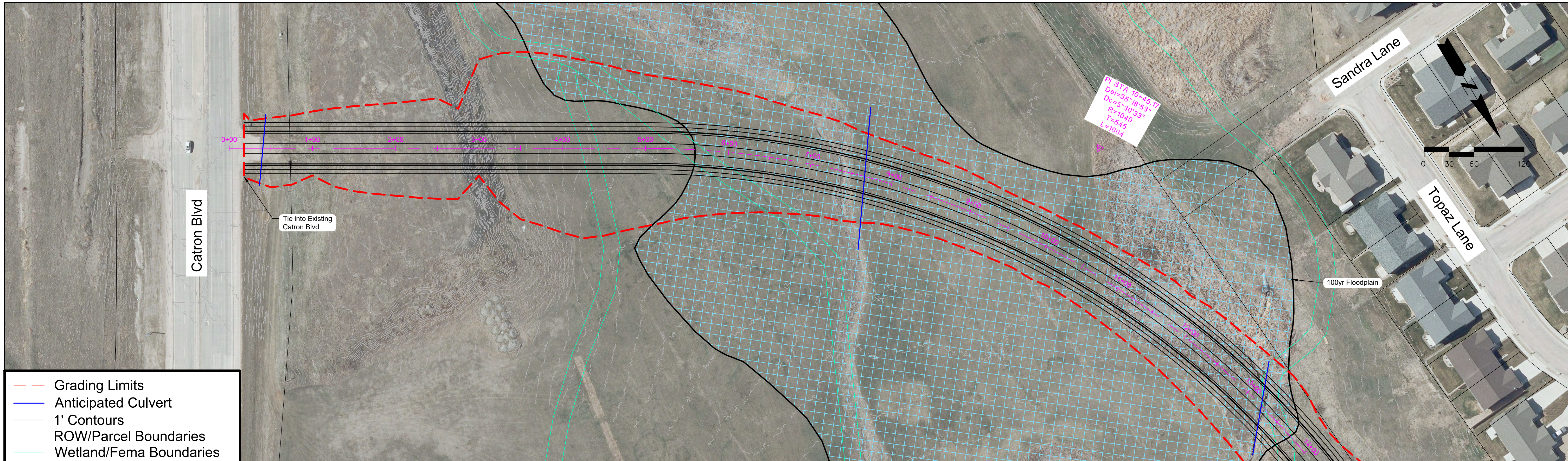
Segment Considerations:

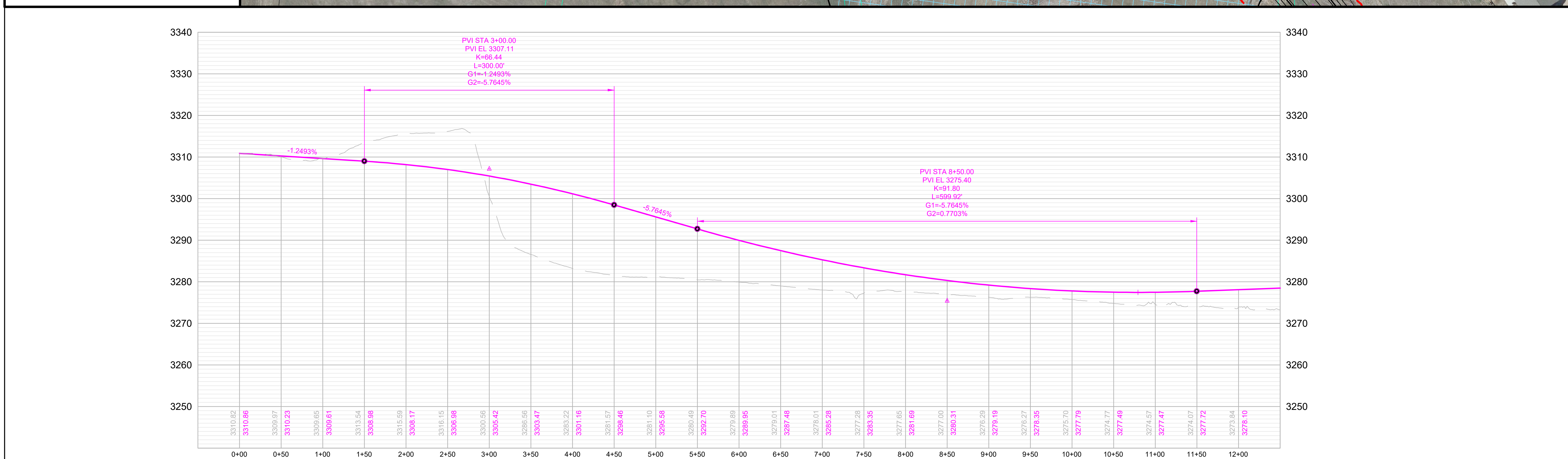
- Impacting the 100-year floodplain.
- Design speed – 45 MPH.

Segment Overview

Proposed Typical Section
3 Lane Minor Arterial







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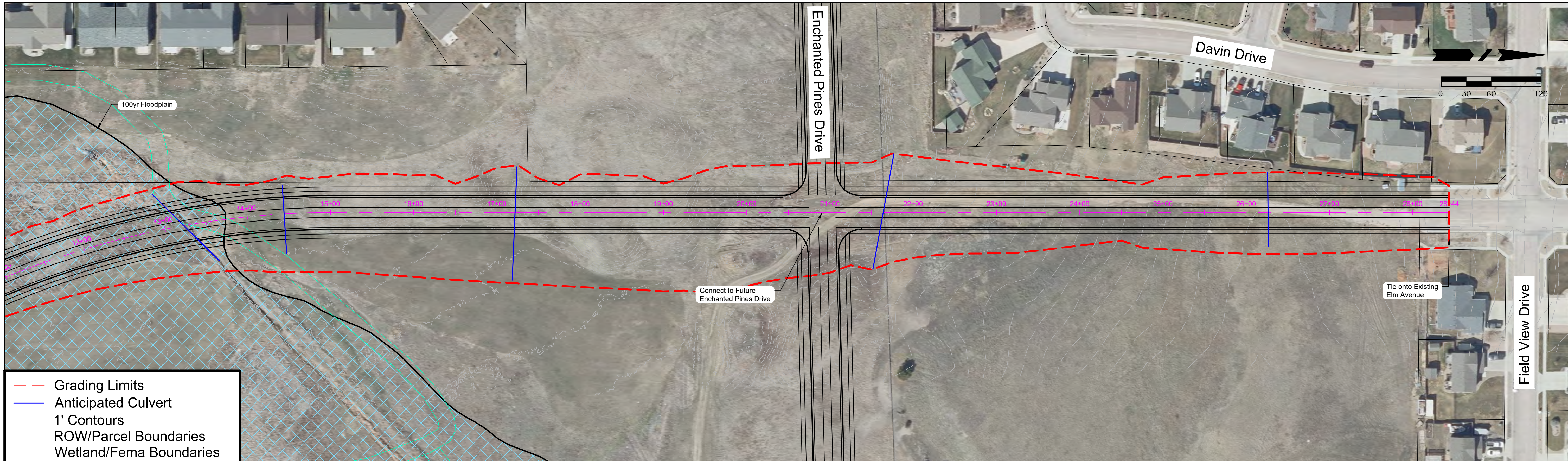
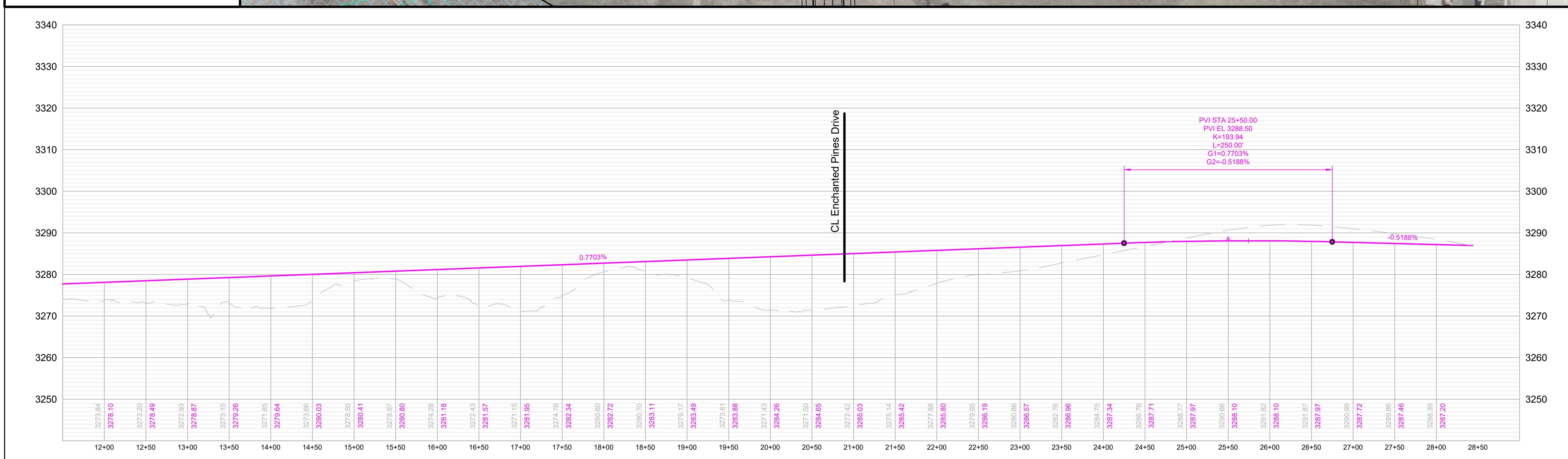
Elm Street

Catron Blvd to Field View Dr

SHEET





Elm Street

Catron Blvd to Field View Dr

SHEET

Enchanted Pines Drive

Gemstone Drive to Minnesota Street

Classification: Collector

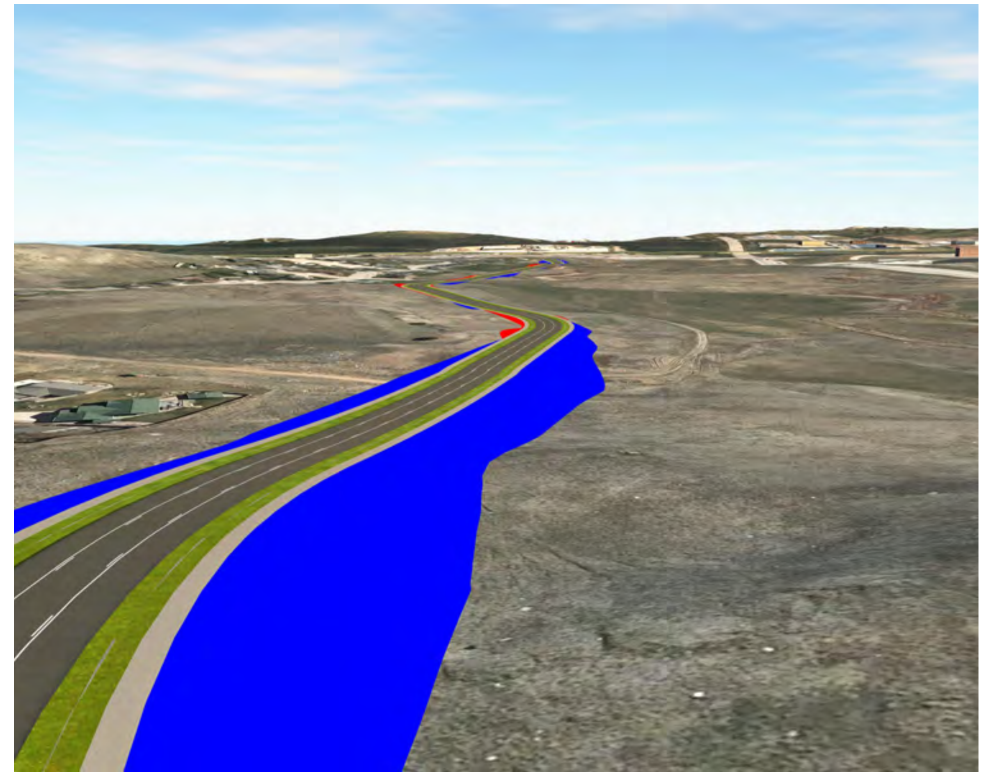
Corridor Length: 4,995 FT

Estimated Quantities

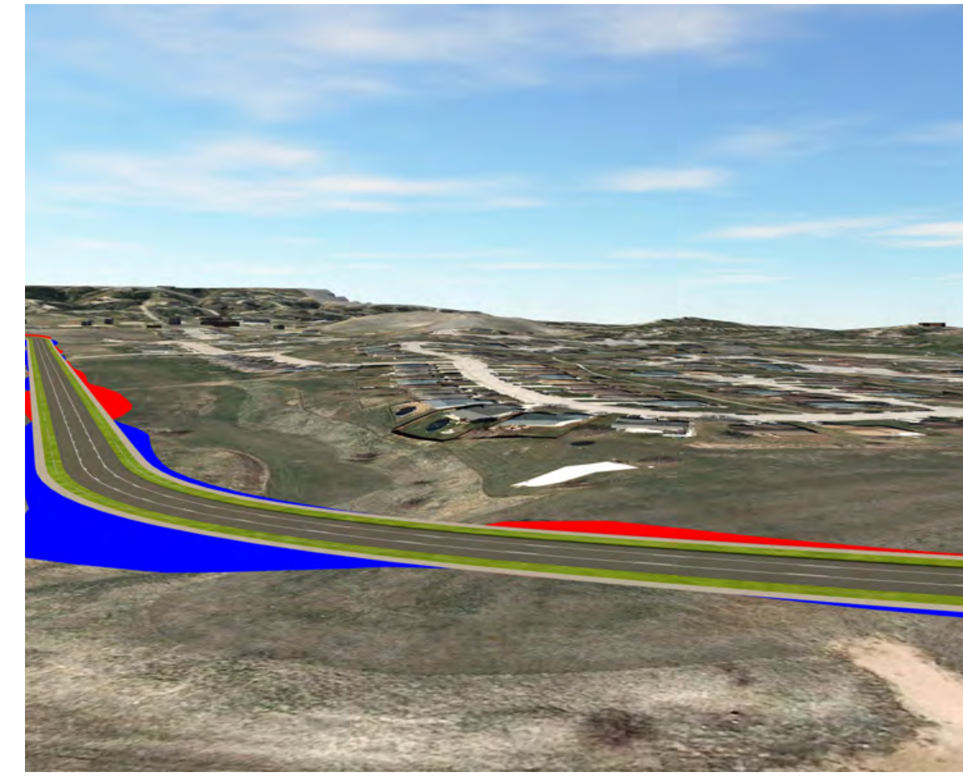
- Road Surface: 17,760 SY
- Earthwork Cut (Red): 9,347 CY
- Earthwork Fill (Blue): 54,754 CY

Segment Considerations:

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



Isometric looking east at station 3+00

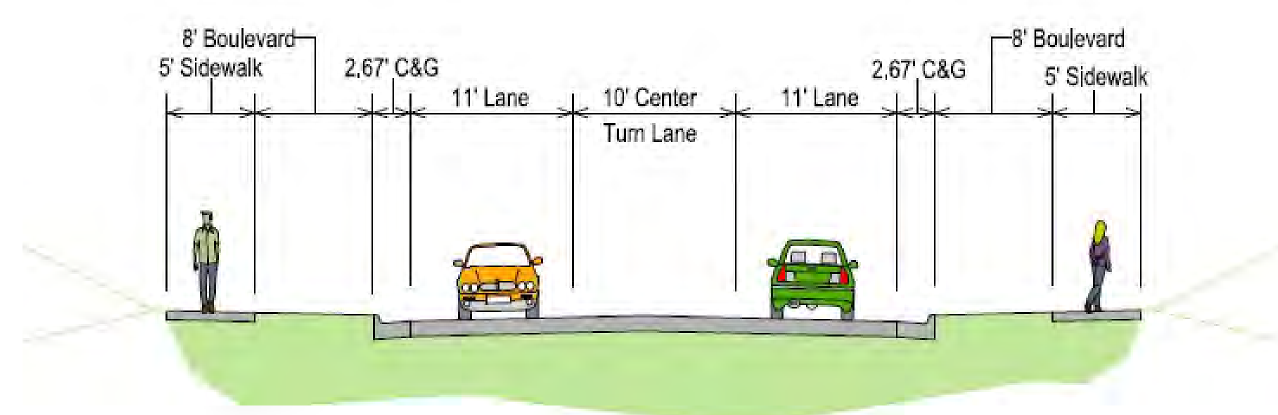


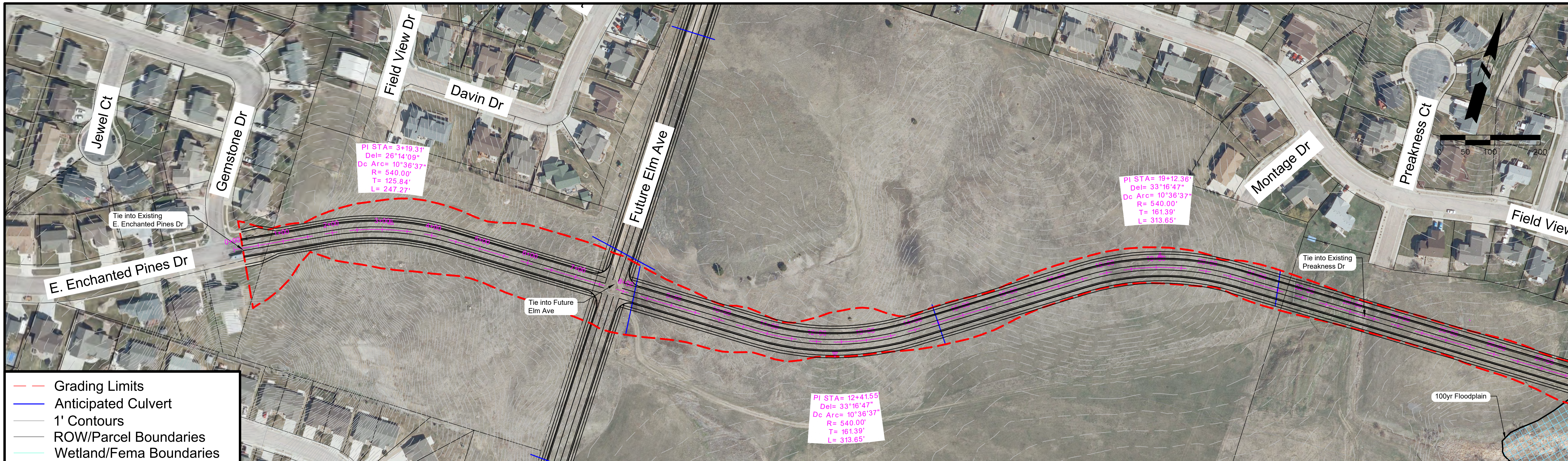
Isometric looking west at station 45+00

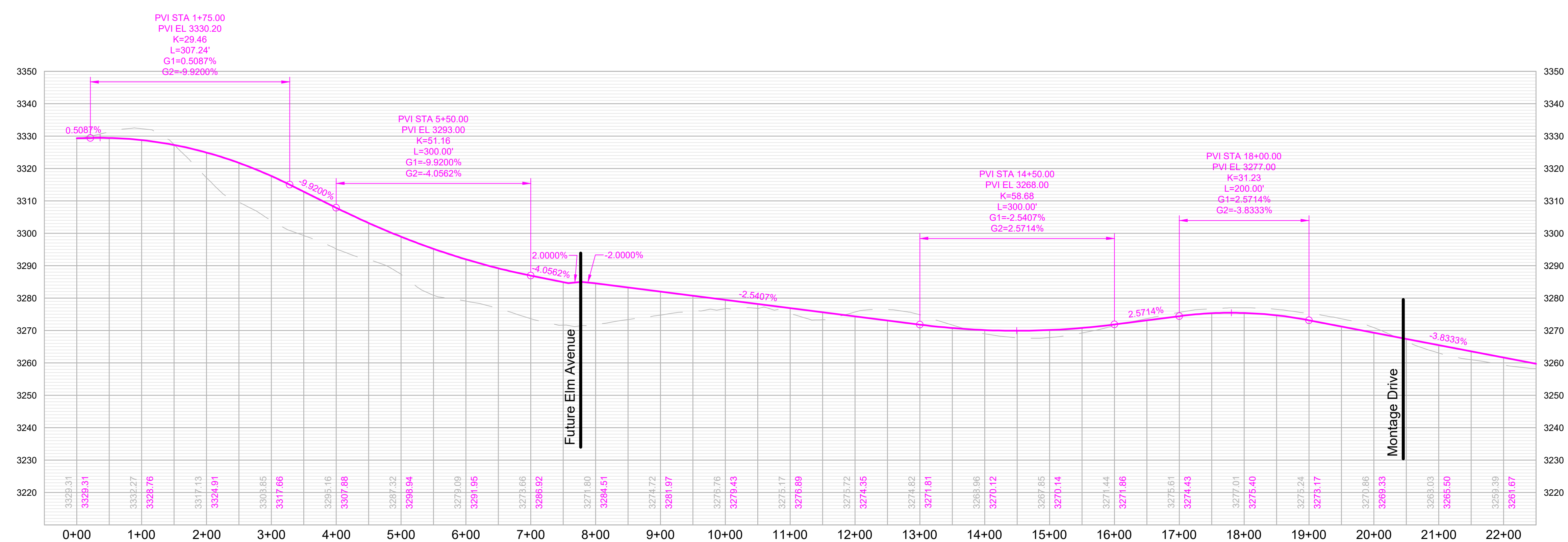
Segment Overview

Proposed Typical Section

3 Lane Collector







Enchanted Pines Drive

Gemstone Dr to E Minnesota St

SHEET

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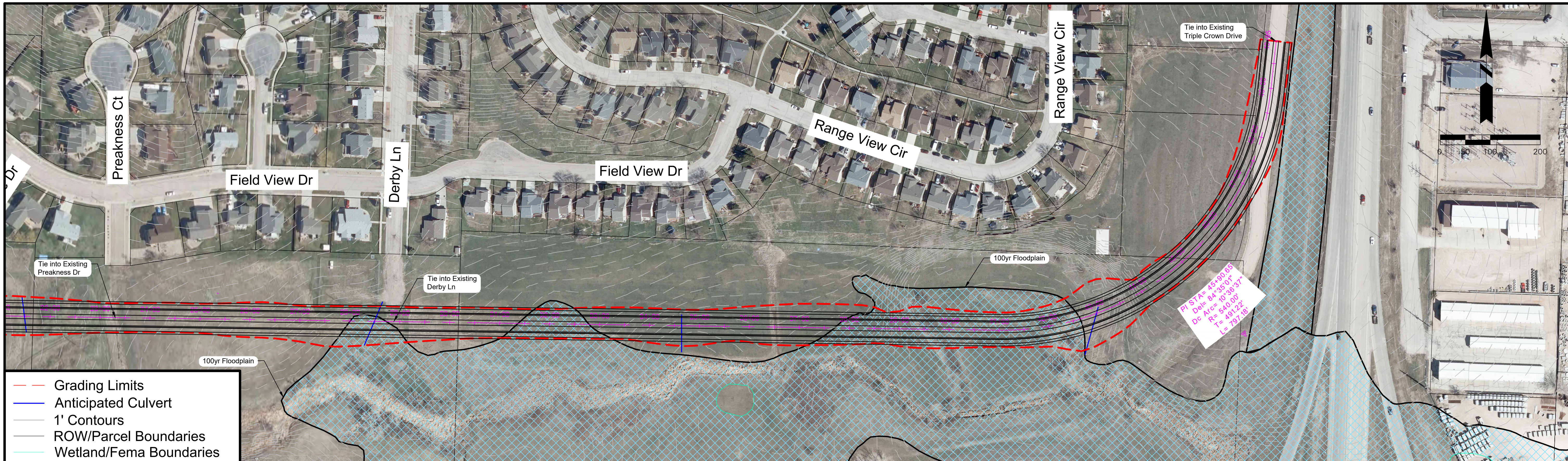
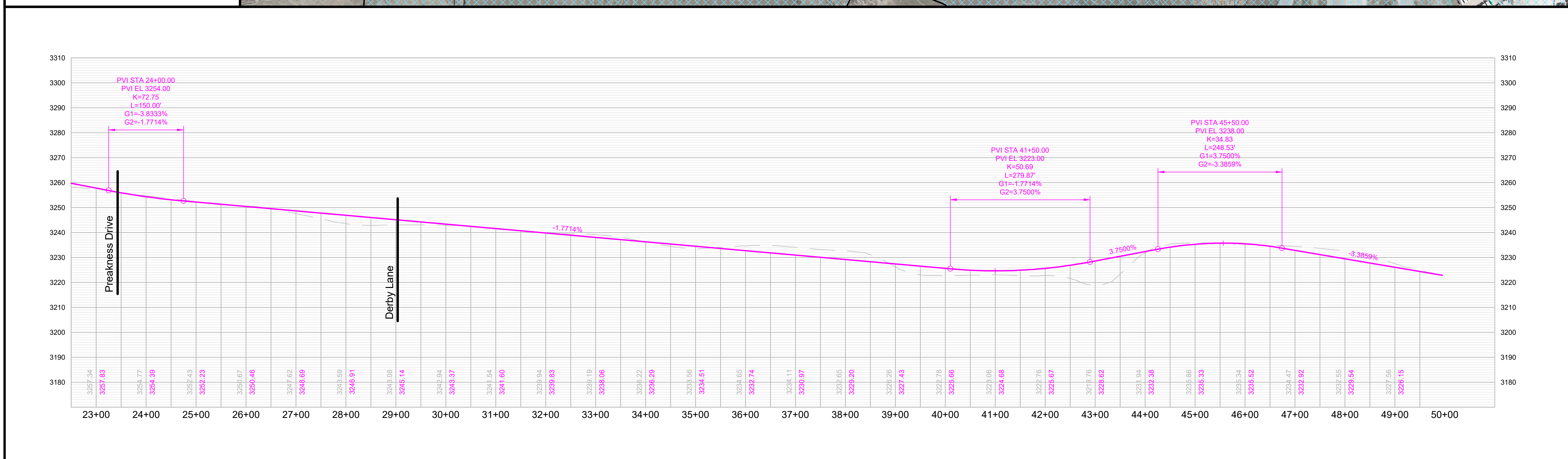




Enchanted Pines Drive

Gemstone Dr to E Minnesota St

Creek Drive
Southern Terminus to Elk Vale Road

Classification: Minor Arterial

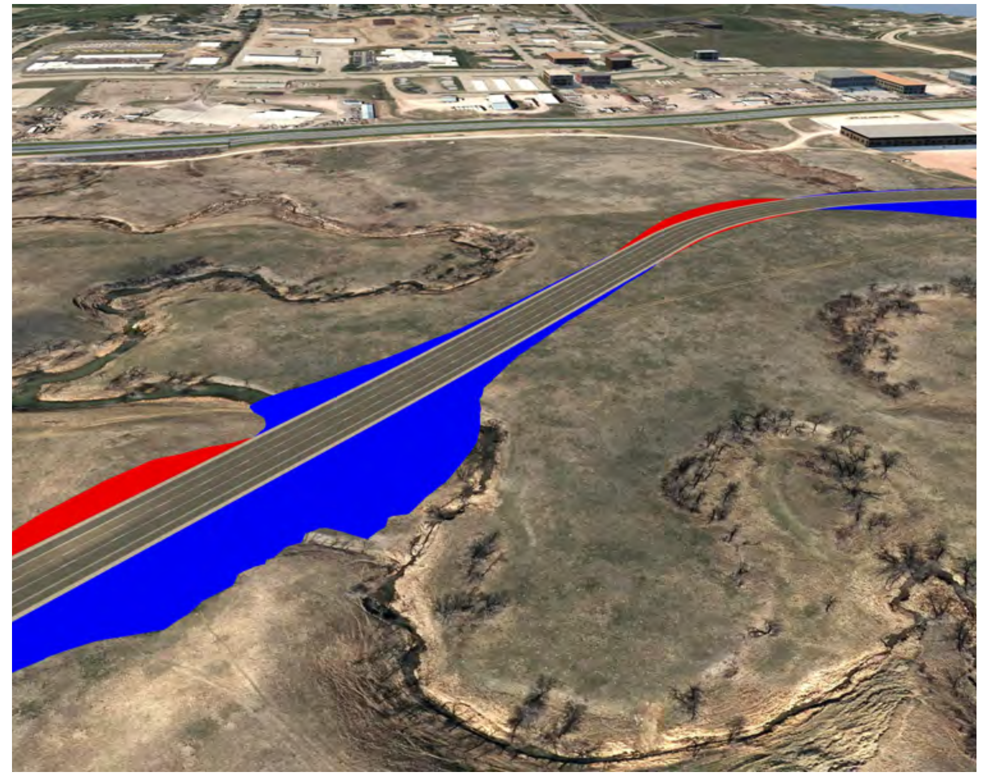
Corridor Length: 6,150 FT

Estimated Quantities

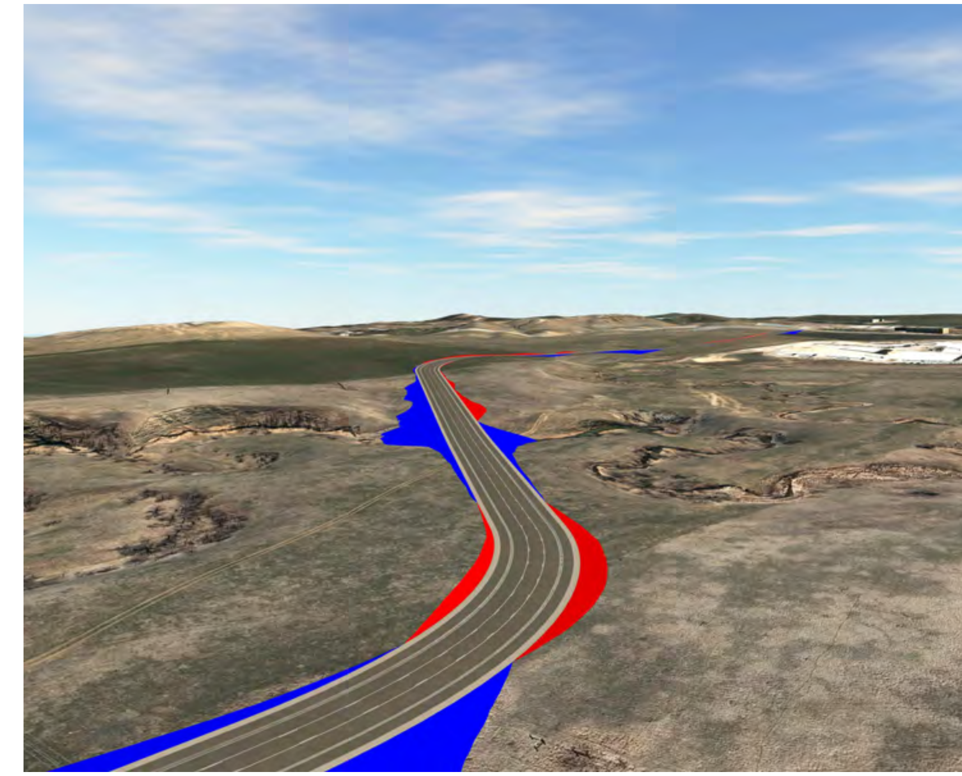
- **Road Surface:** 24,600 SY
- **Earthwork Cut (Red):** 19,722 CY
- **Earthwork Fill (Blue):** 67,225 CY

Segment Considerations:

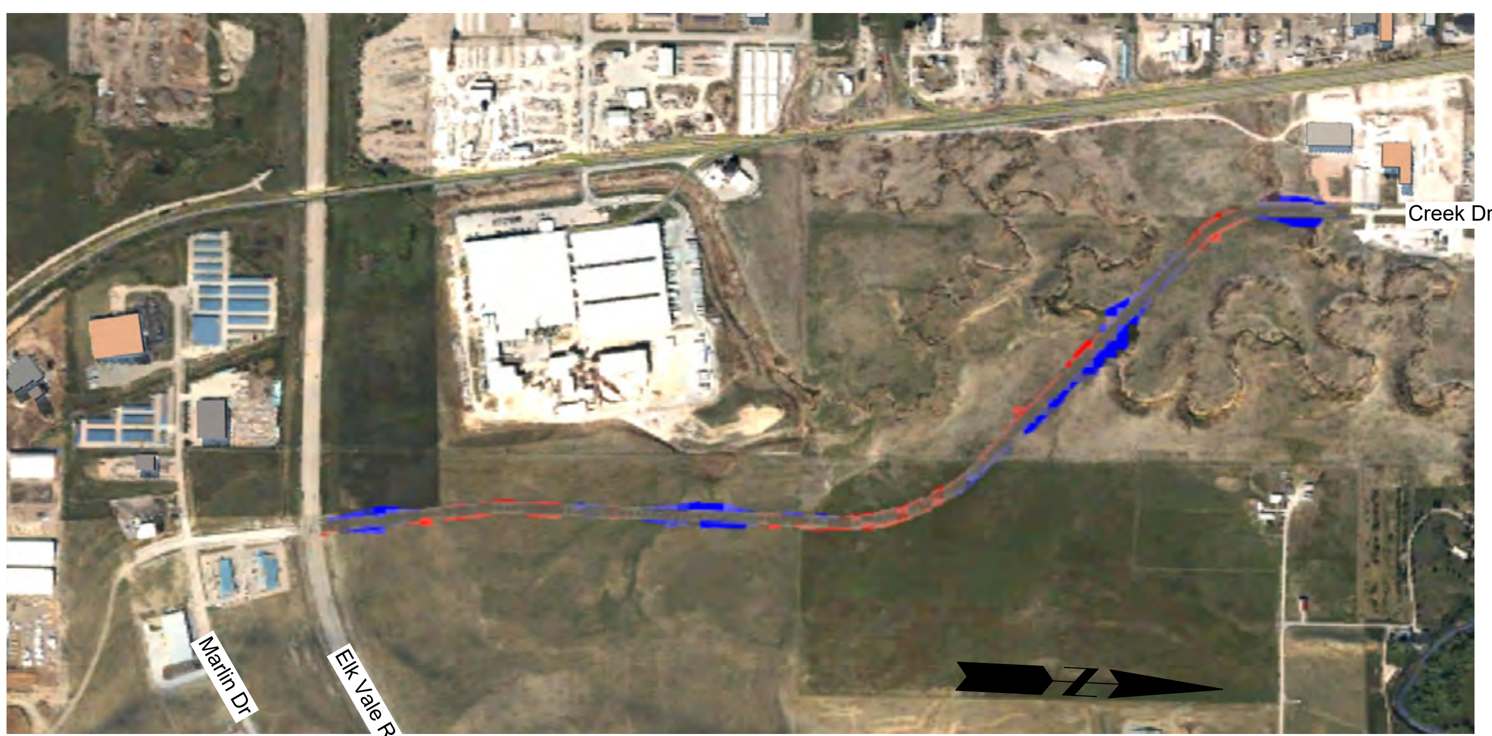
- Impacting the 100-year floodplain.
- Design speed – 45 MPH.



Isometric looking west at station 43+00

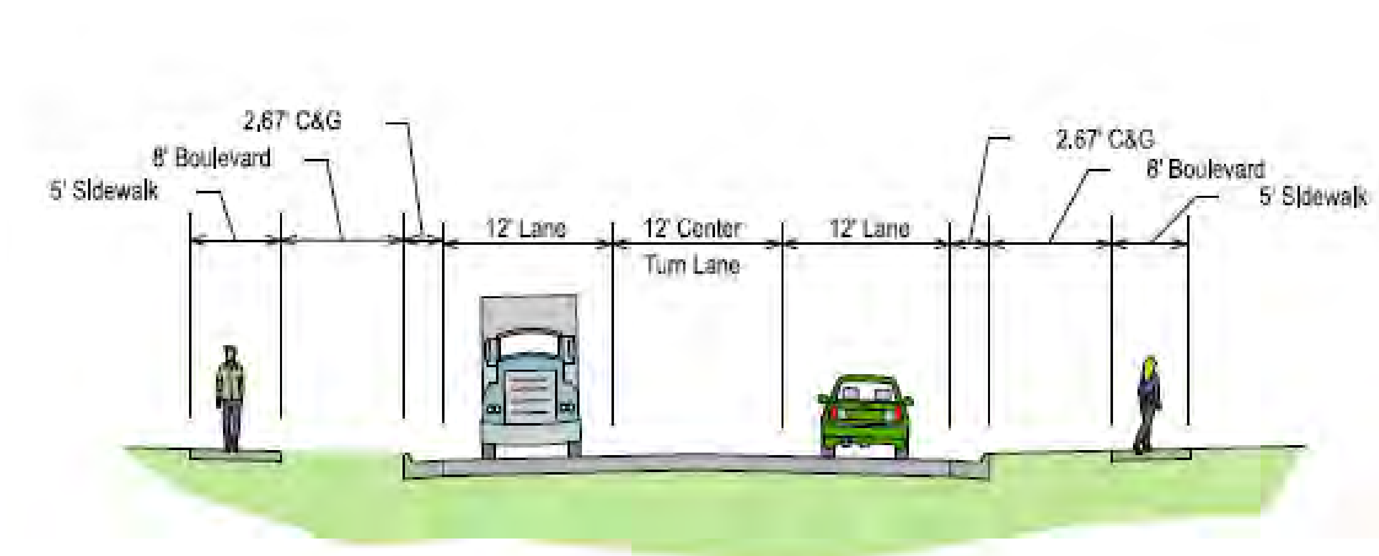


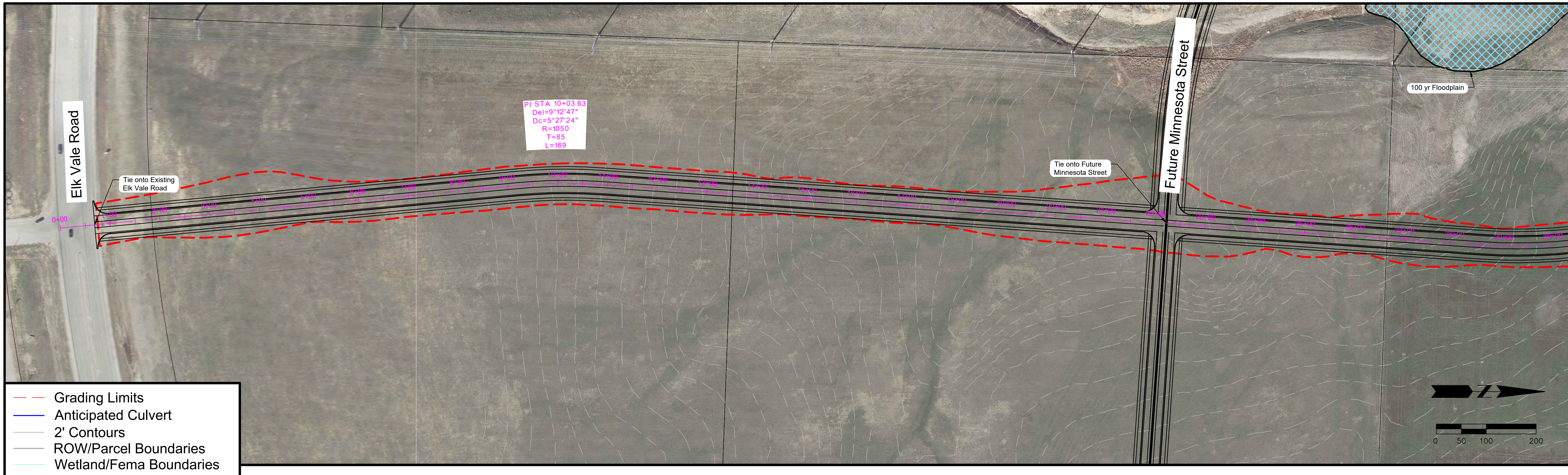
Isometric looking southeast at station 59+00

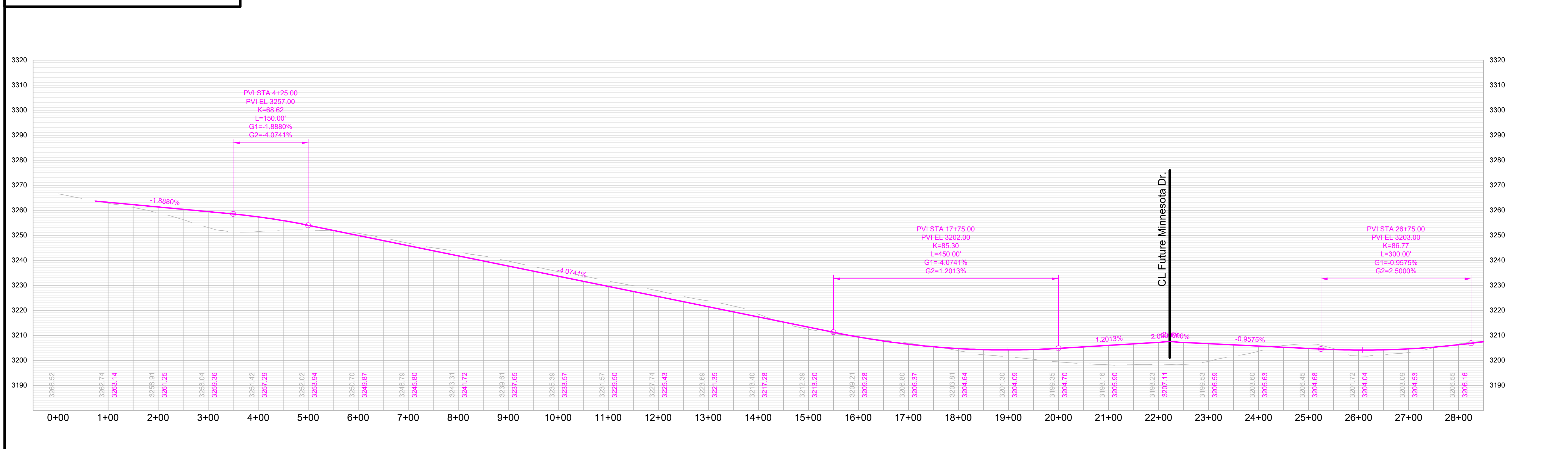


Segment Overview

Proposed Typical Section
3 Lane Minor Arterial





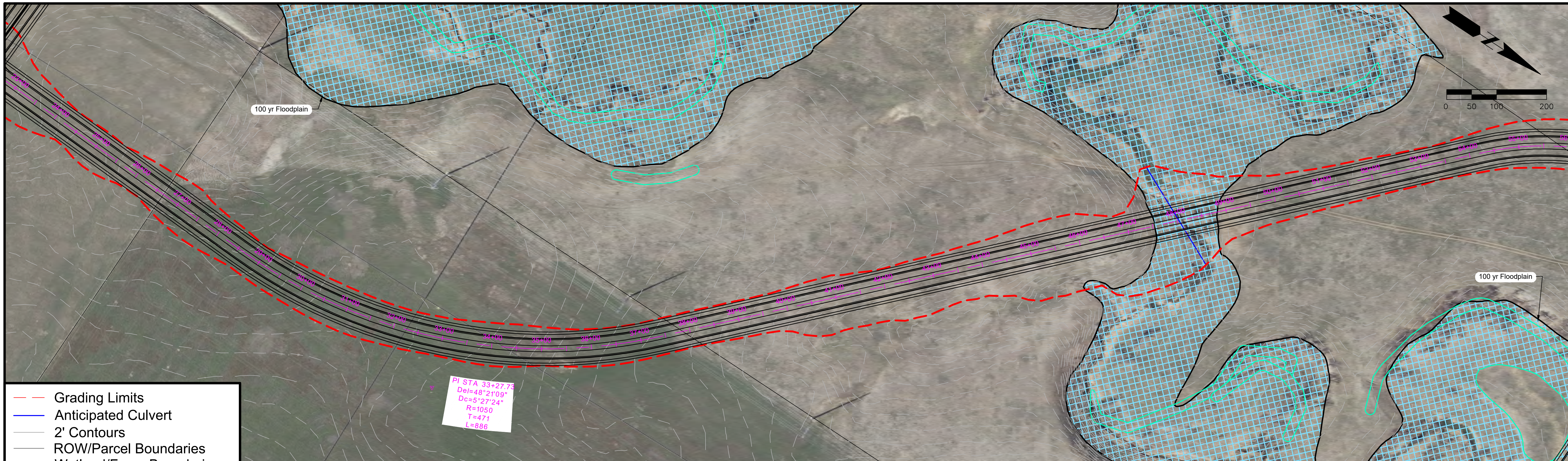


Creek Drive

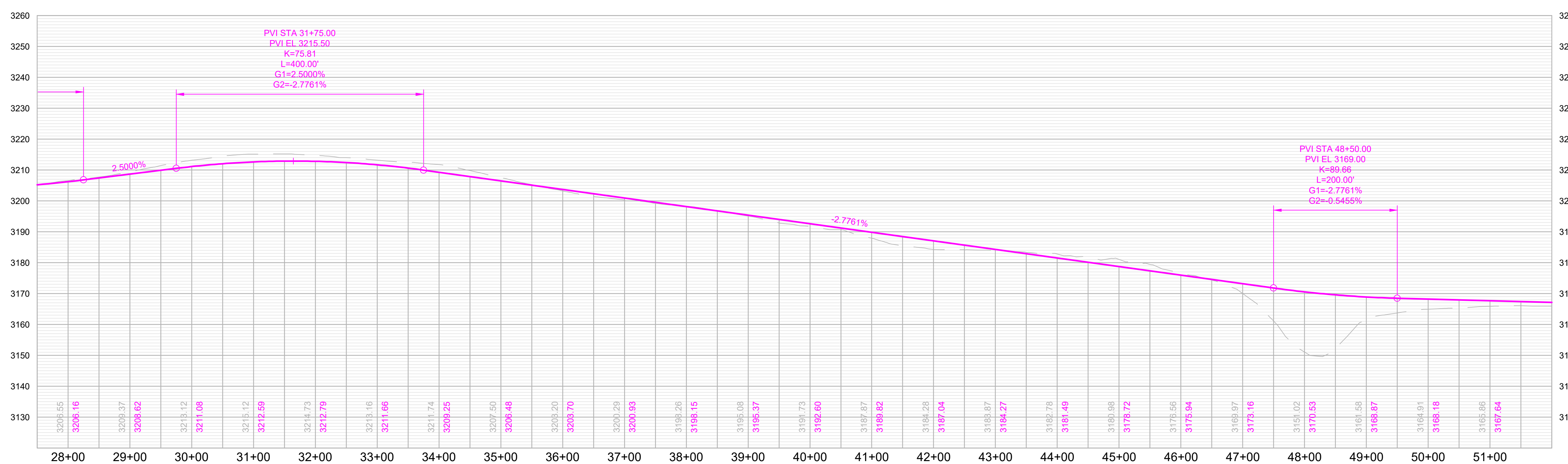
Southern Terminus to Elk Vale Rd

SHEET

1 of 3



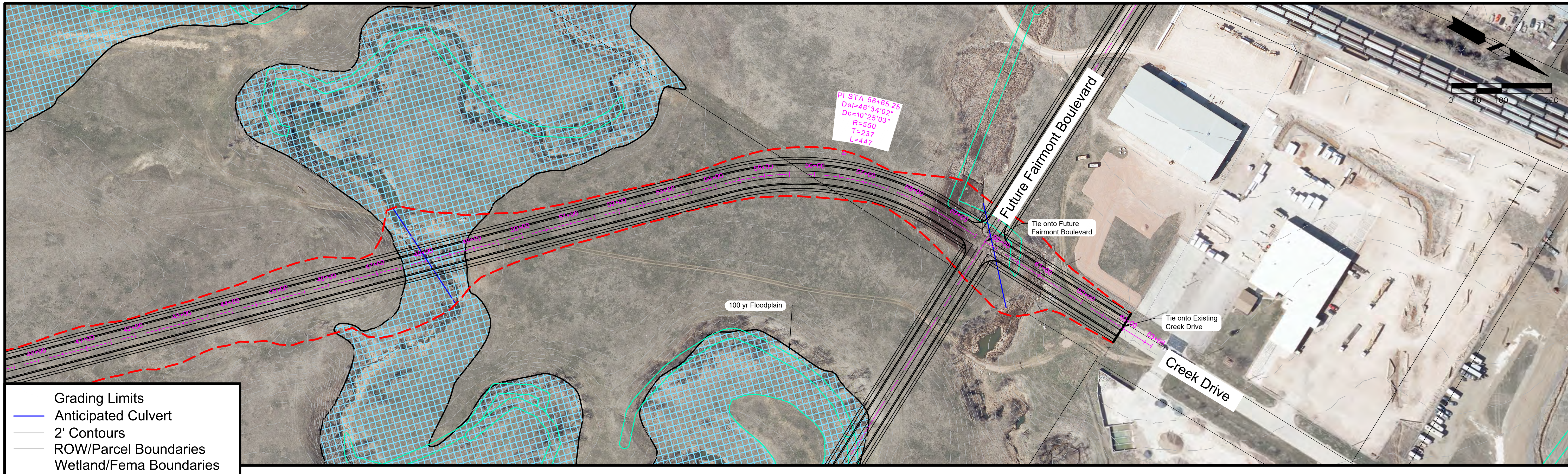
Grading Limits
Anticipated Culvert
2' Contours
ROW/Parcel Boundaries
Wetland/Fema Boundaries

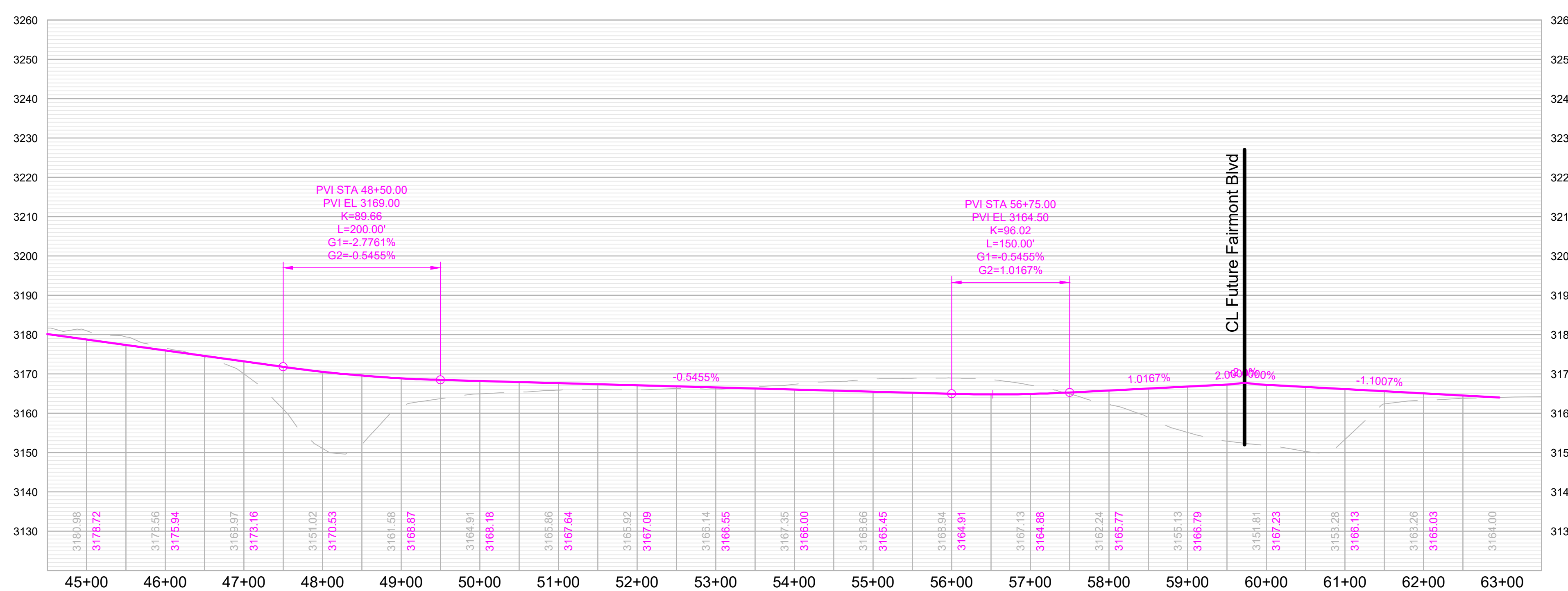


Creek Drive

Southern Terminus to Elk Vale Rd

SHEET





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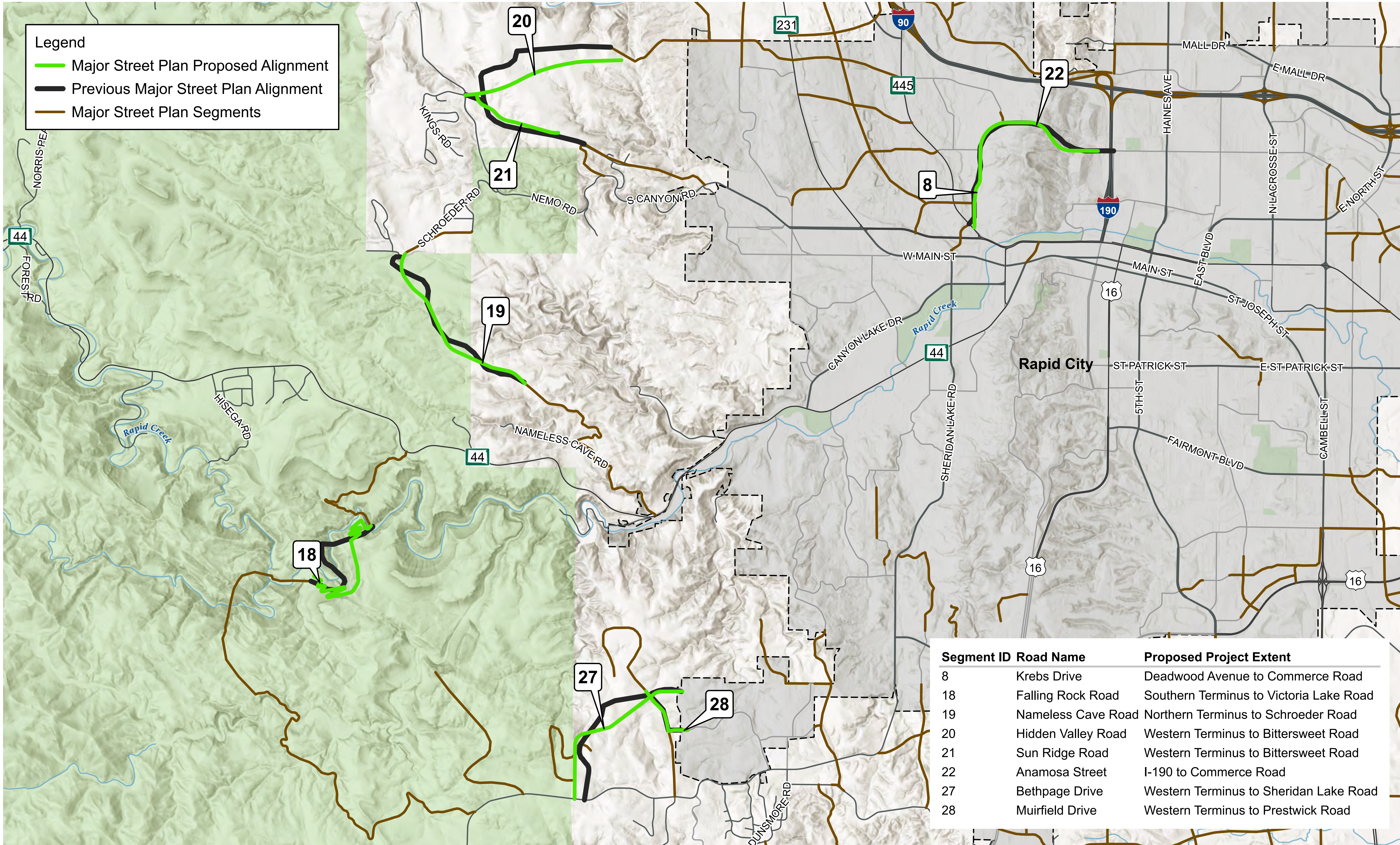
Creek Drive

Southern Terminus to Elk Vale Rd

SHEET

3 of 3

Western Growth Area



Segment ID	Road Name	Proposed Project Extent
8	Krebs Drive	Deadwood Avenue to Commerce Road
18	Falling Rock Road	Southern Terminus to Victoria Lake Road
19	Nameless Cave Road	Northern Terminus to Schroeder Road
20	Hidden Valley Road	Western Terminus to Bittersweet Road
21	Sun Ridge Road	Western Terminus to Bittersweet Road
22	Anamosa Street	I-190 to Commerce Road
27	Bethpage Drive	Western Terminus to Sheridan Lake Road
28	Muirfield Drive	Western Terminus to Prestwick Road

STREET PLAN PROPOSED ALIGNMENTS
WESTERN GROWTH AREA

RAPID CITY, SOUTH DAKOTA

\\SXF-SRV01\ENG\GIS\PROJECTS\CITY_OF_RAPID\MSP_ANALYSIS_10368391\MAP_DOCS\RAPIDCITY_MSP_PRIORITIZATION_ALIGNMENTS.APRX DATE: 7/19/2024

Krebs Drive

Deadwood Avenue to Commerce Road

Classification: Collector

Corridor Length: 3,897 FT

Estimated Quantities

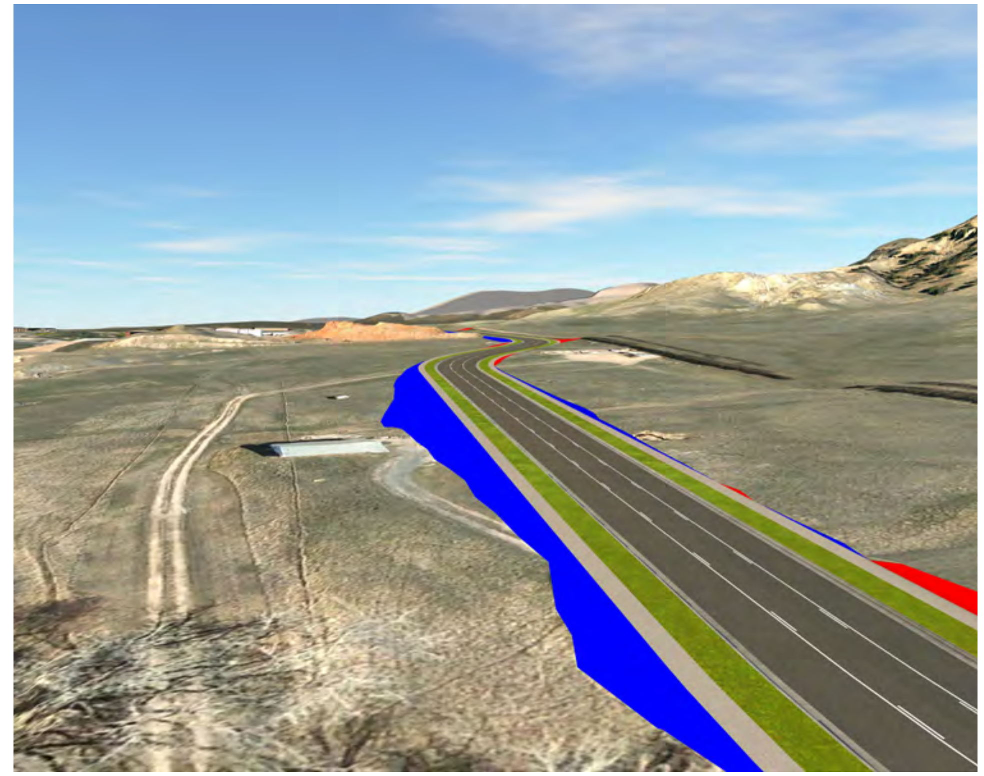
Road Surface: 13,856 SY

Earthwork Cut (Red): 5,959 CY

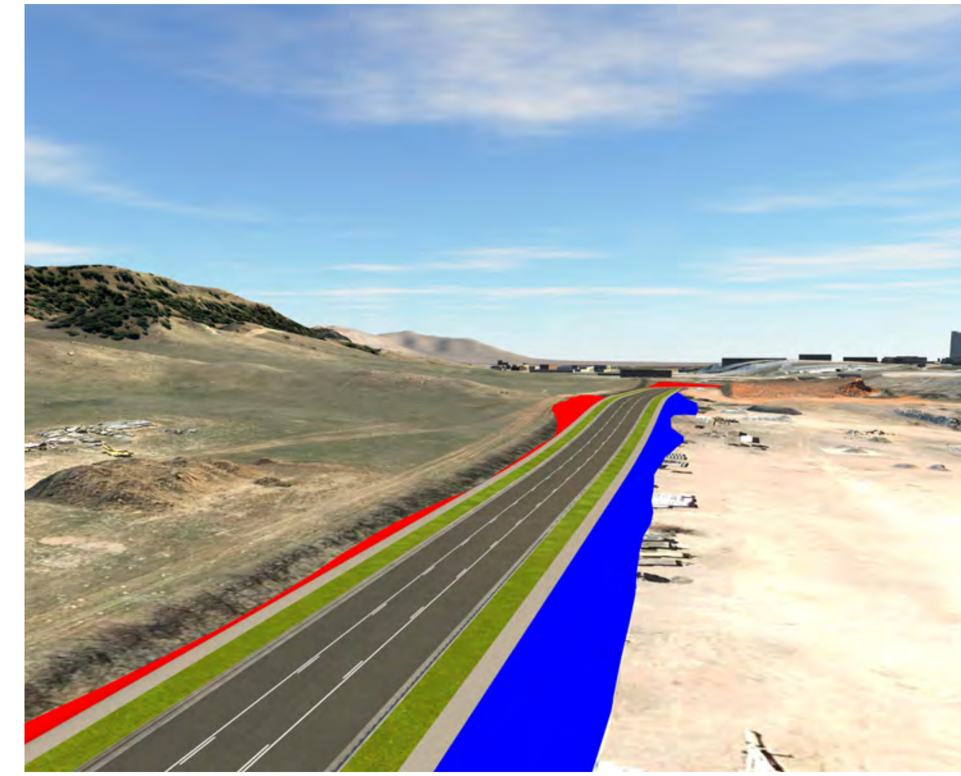
Earthwork Fill (Blue): 19,247 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking north at station 13+00

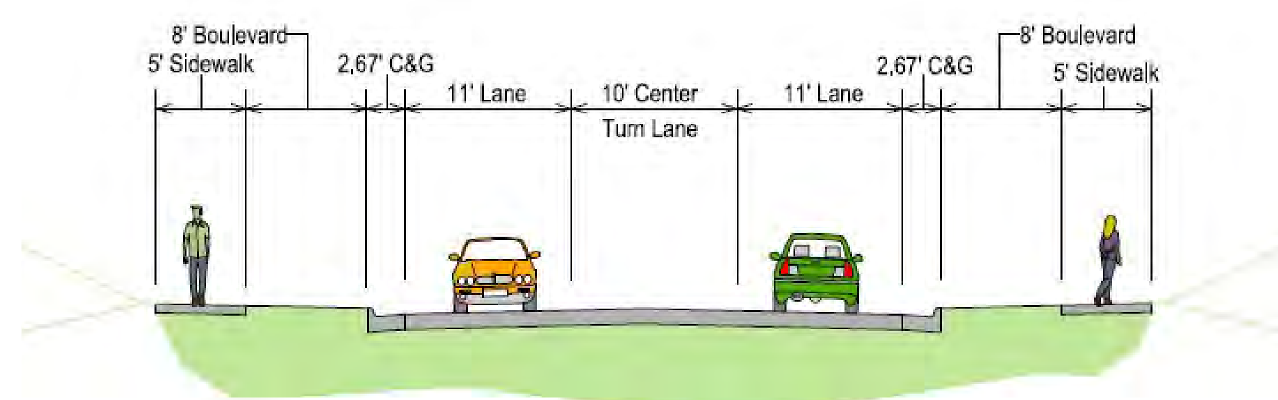


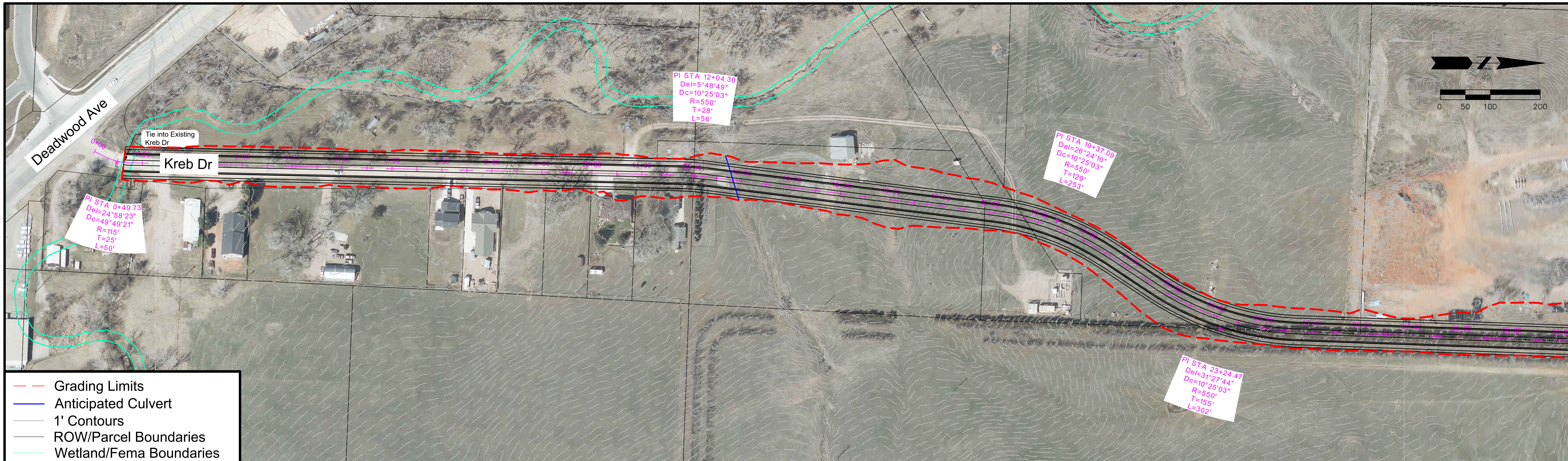
Isometric looking south at station 38+97

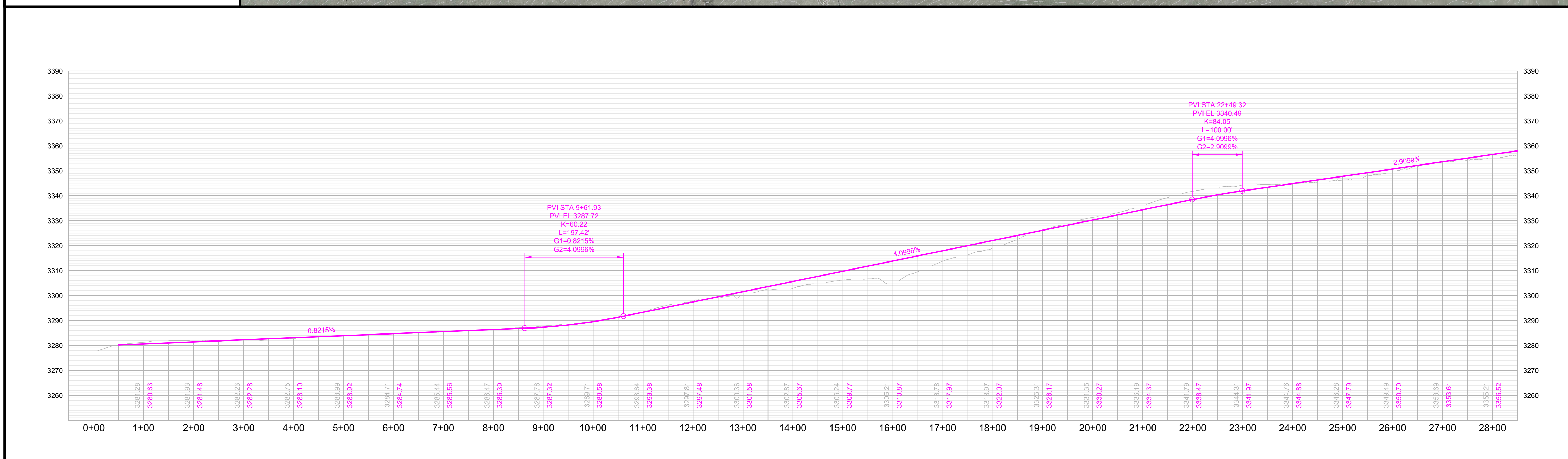
Segment Overview

Proposed Typical Section

3 Lane Collector





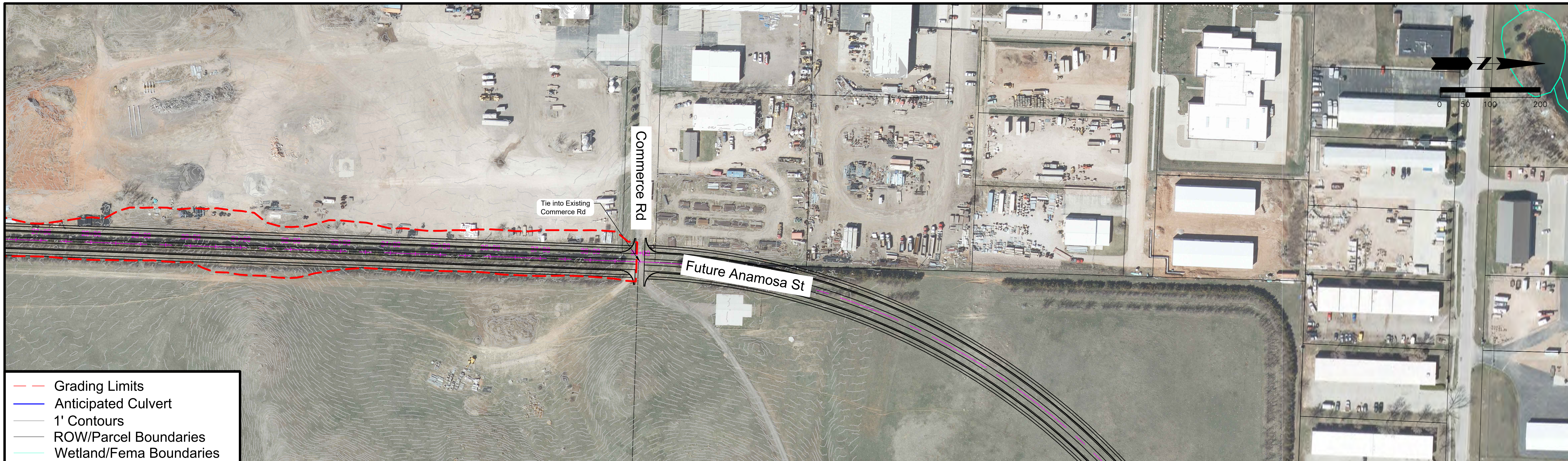


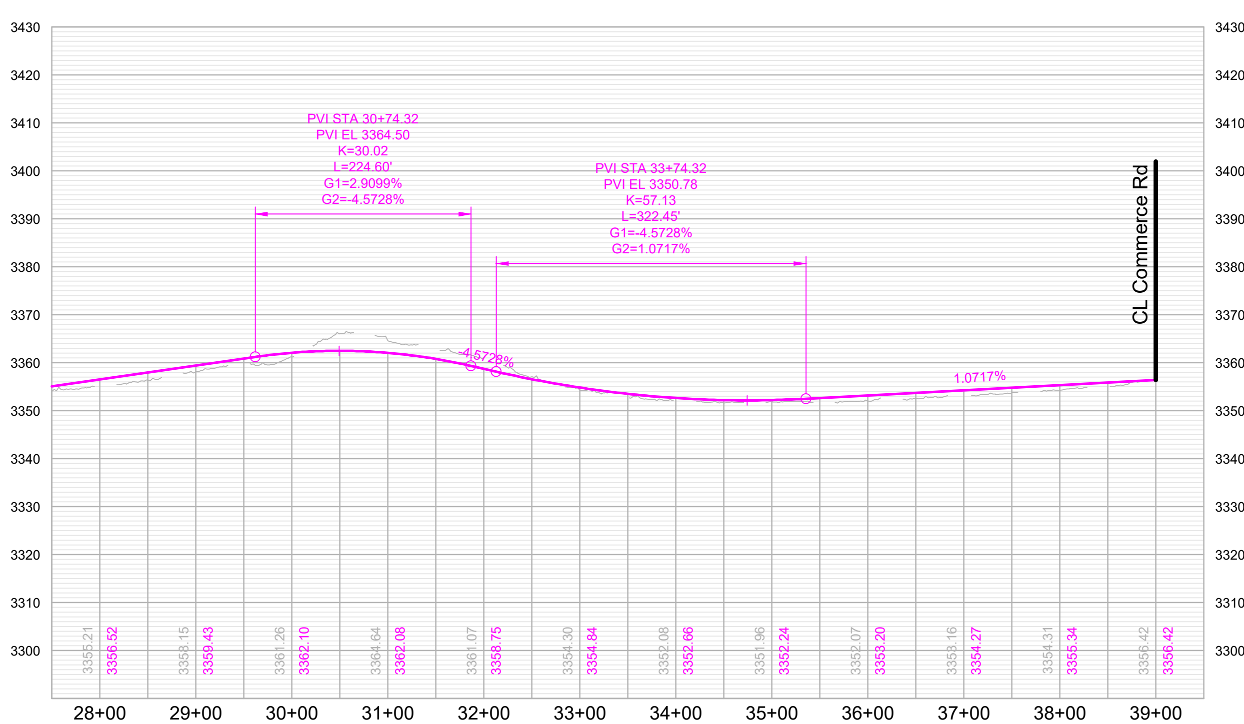
Krebs Drive

Deadwood Ave to Commerce Rd

SHEET

1 of 2





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Krebs Drive

Deadwood Ave to Commerce Rd

Falling Rock Road

Southern Terminus to Victoria Lake Road

Classification: Minor Arterial

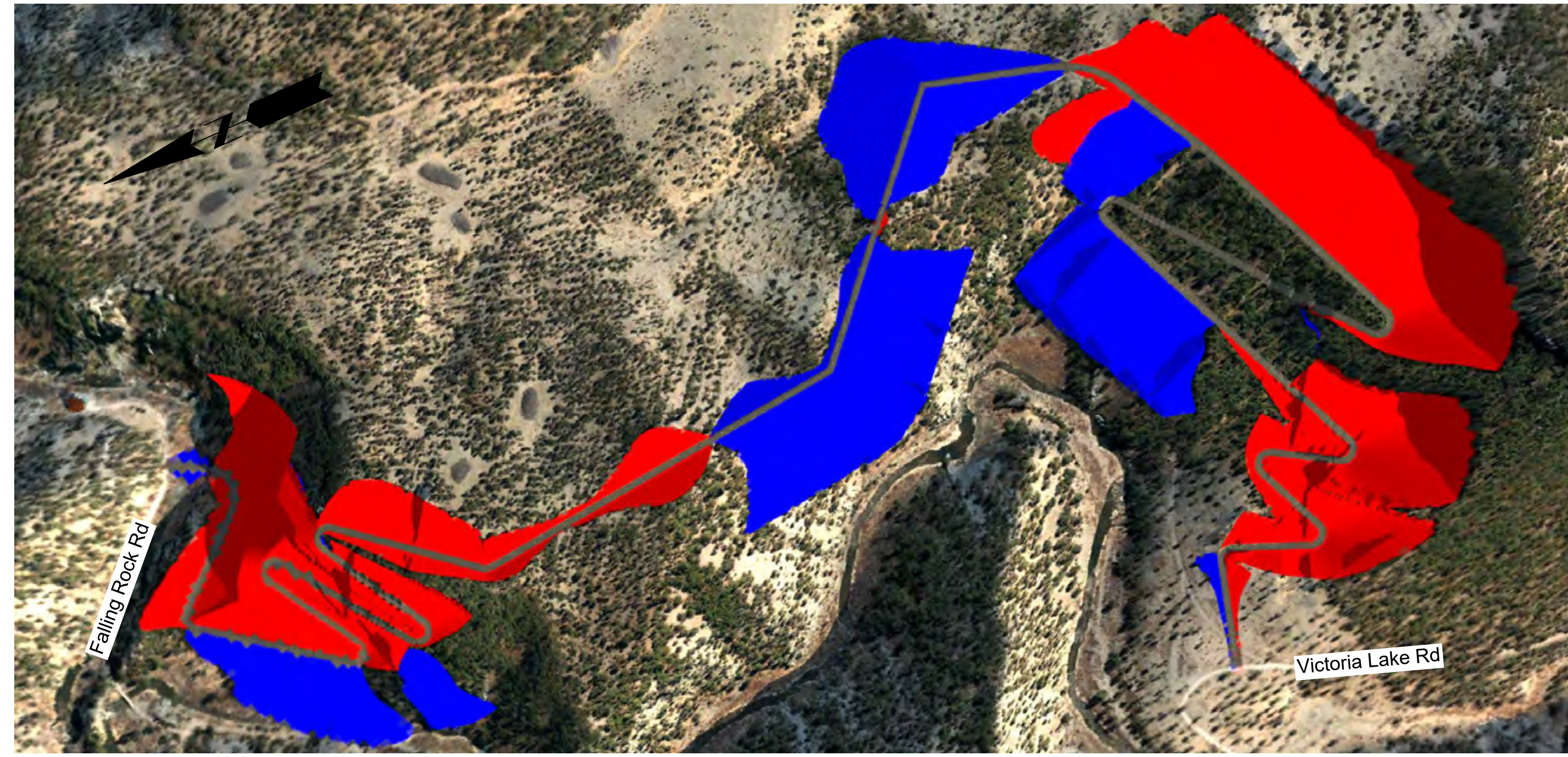
Corridor Length: 11,230 FT

Estimated Quantities

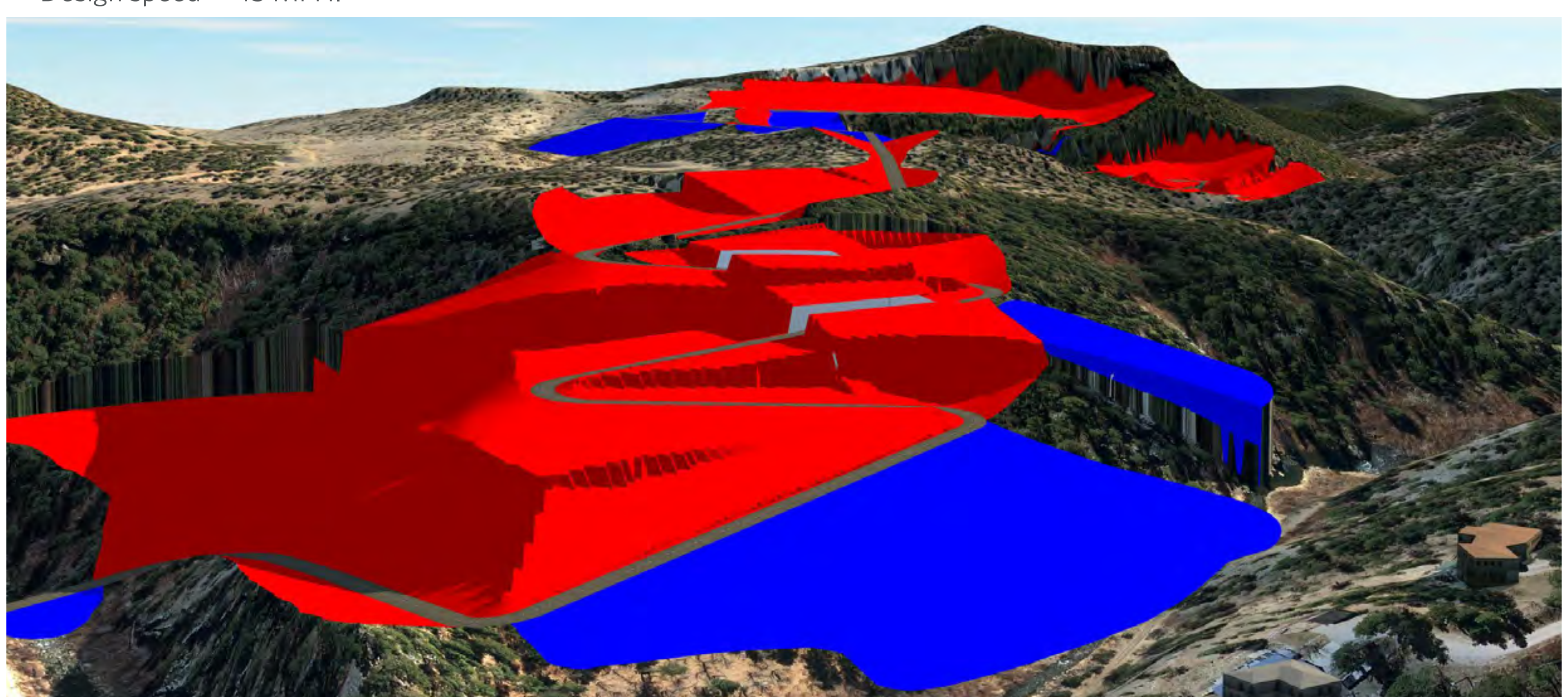
- **Road Surface:** 29,947 SY
- **Earthwork Cut (Red):** 3,449,329 CY
- **Earthwork Fill (Blue):** 1,233,869 CY

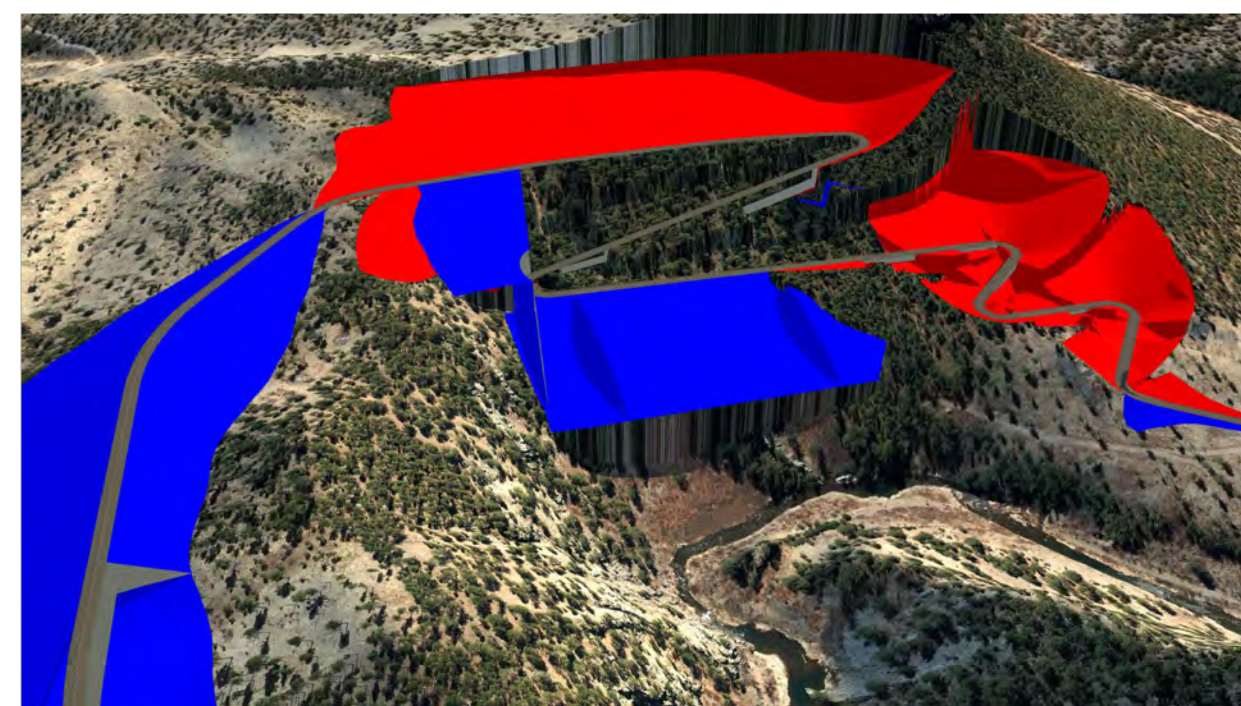
Segment Considerations:

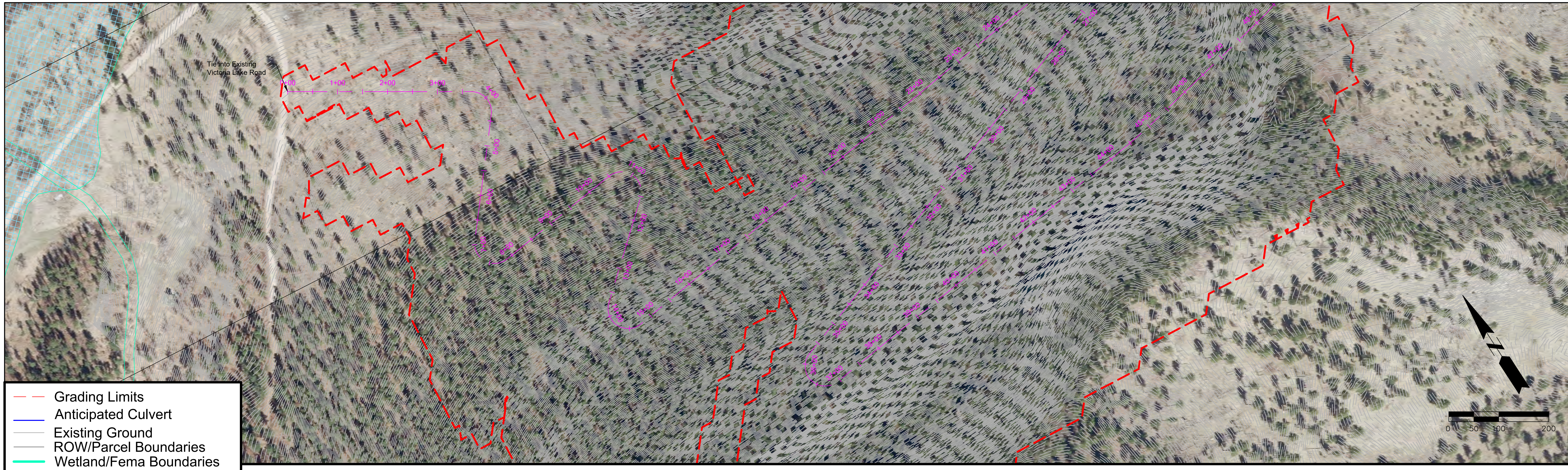
- Due to the steep topography contained within a significant portion of the corridor, several design criteria for a Minor Arterial Street cannot be achieved. As shown, to traverse the steep topography, "switch-back" curves would be required in two segments of the corridor which would significantly reduce the design speed for the corridor. It is recommended this corridor be removed from consideration as a Minor Arterial Street in the Major Street Plan. The street, if constructed, would likely only satisfy local street design criteria.
- Design speed – 45 MPH.

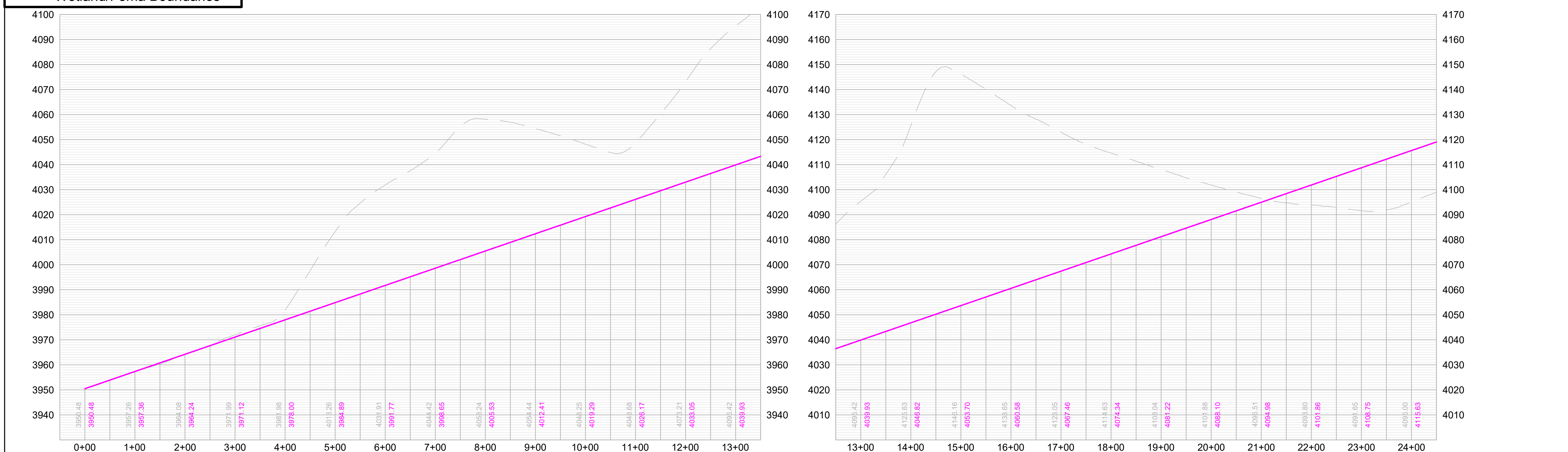


Segment Overview


Isometric looking south


Isometric looking south





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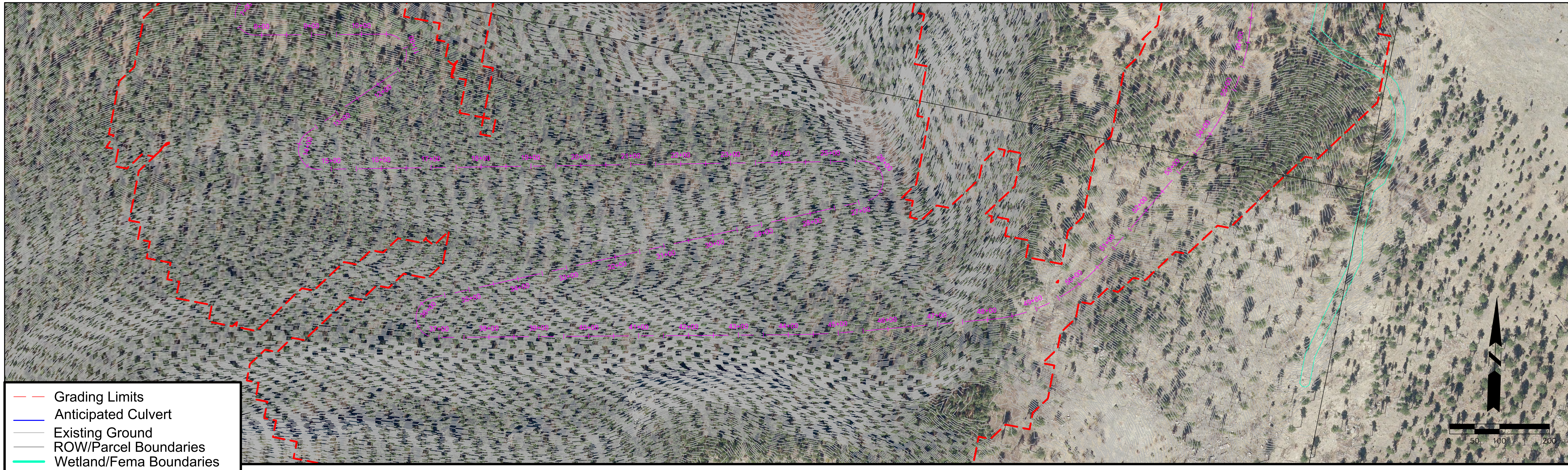
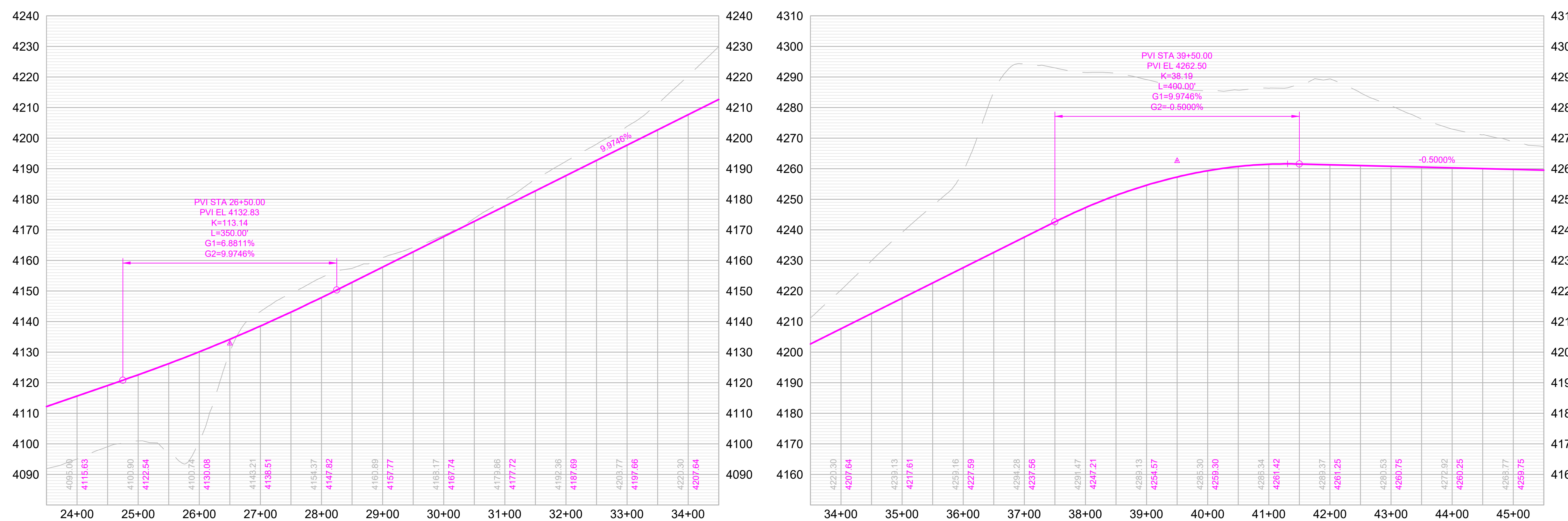
Falling Rock Road

Southern Terminus to Victoria Lake Rd





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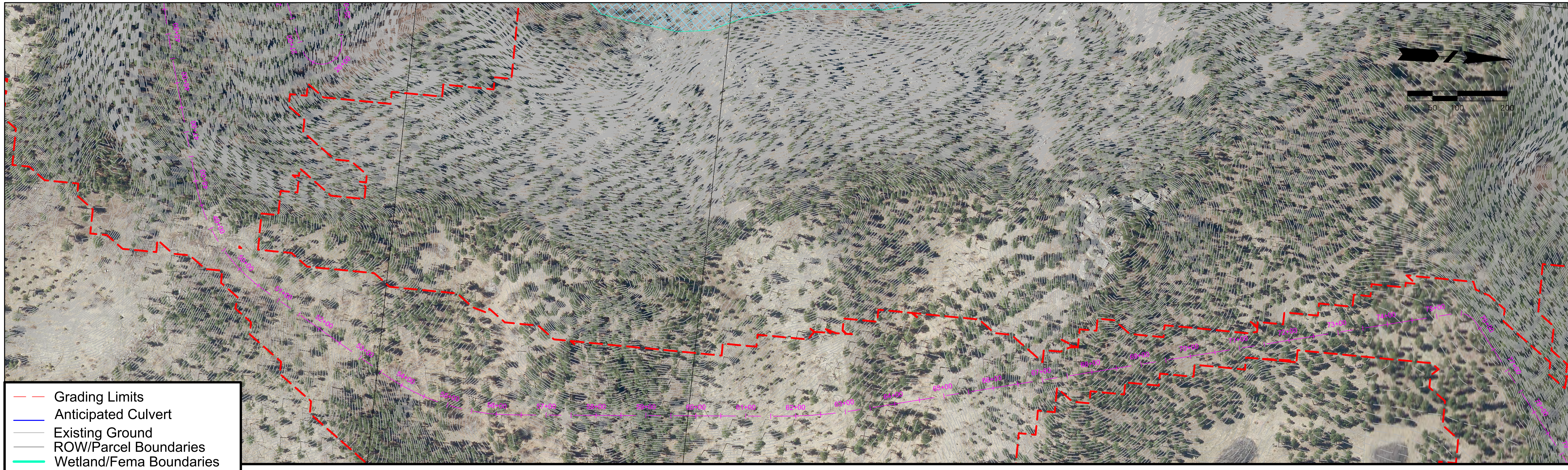
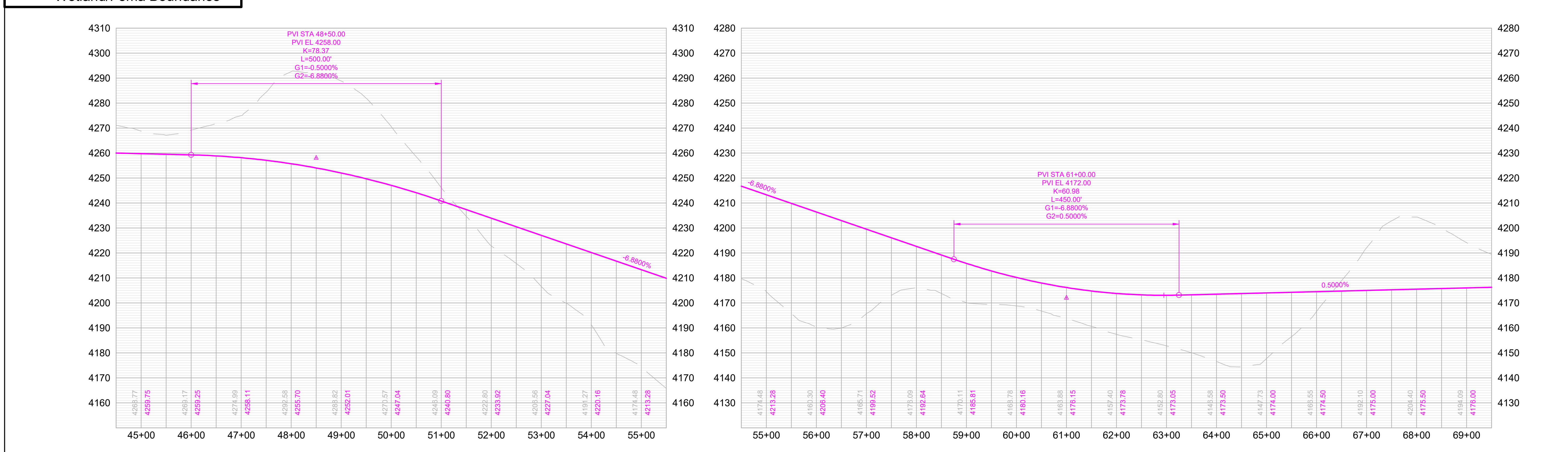
Falling Rock Road

Southern Terminus to Victoria Lake Rd

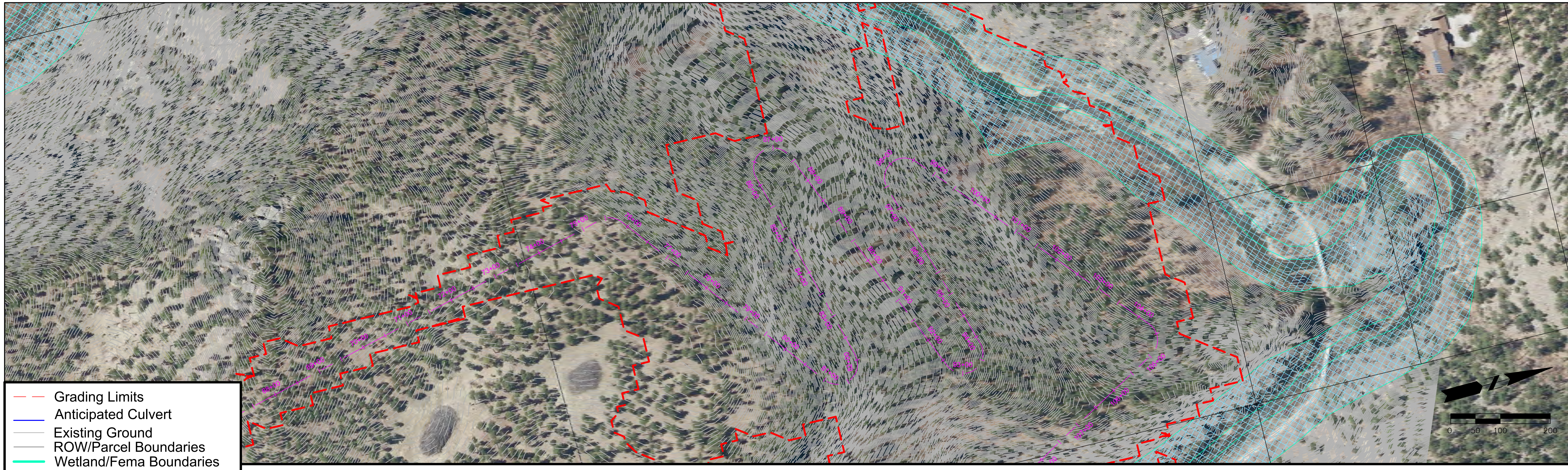
SHEET

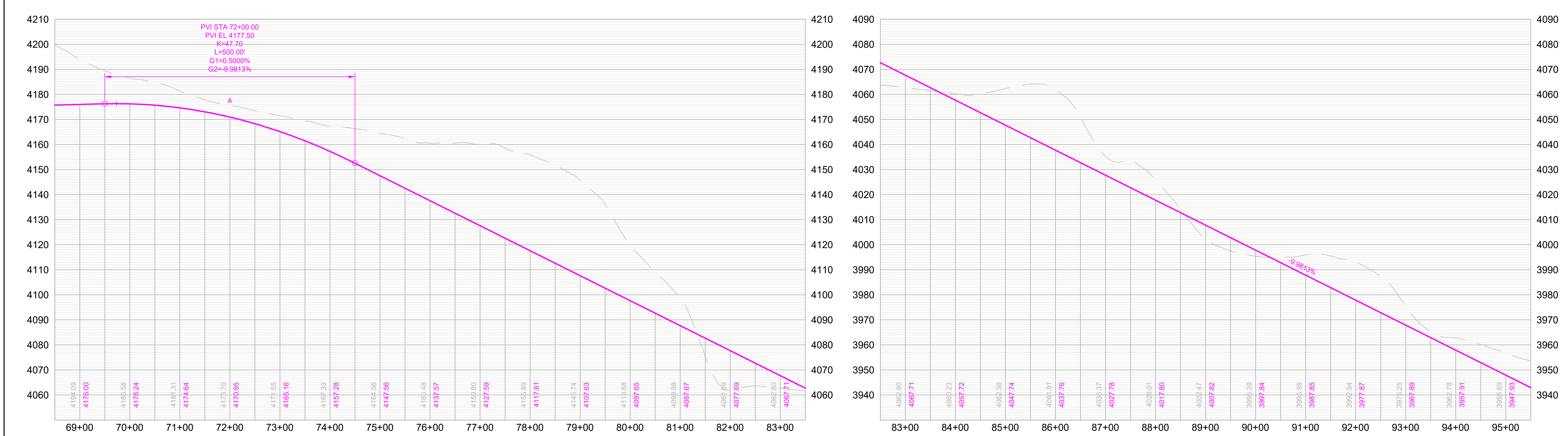




Falling Rock Road

Southern Terminus to Victoria Lake Rd





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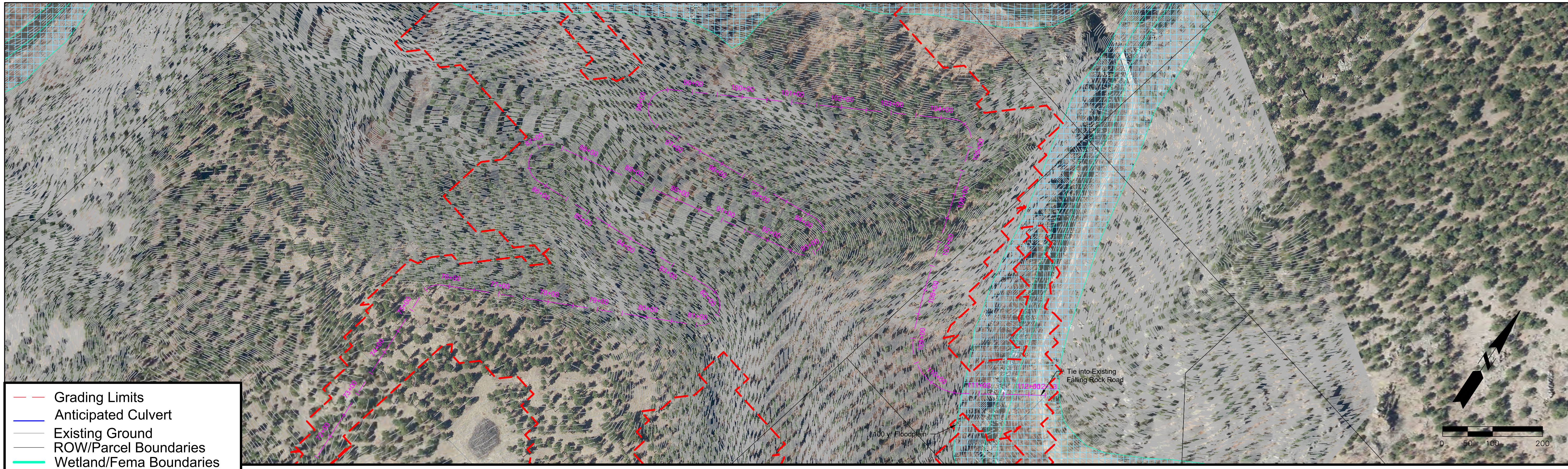
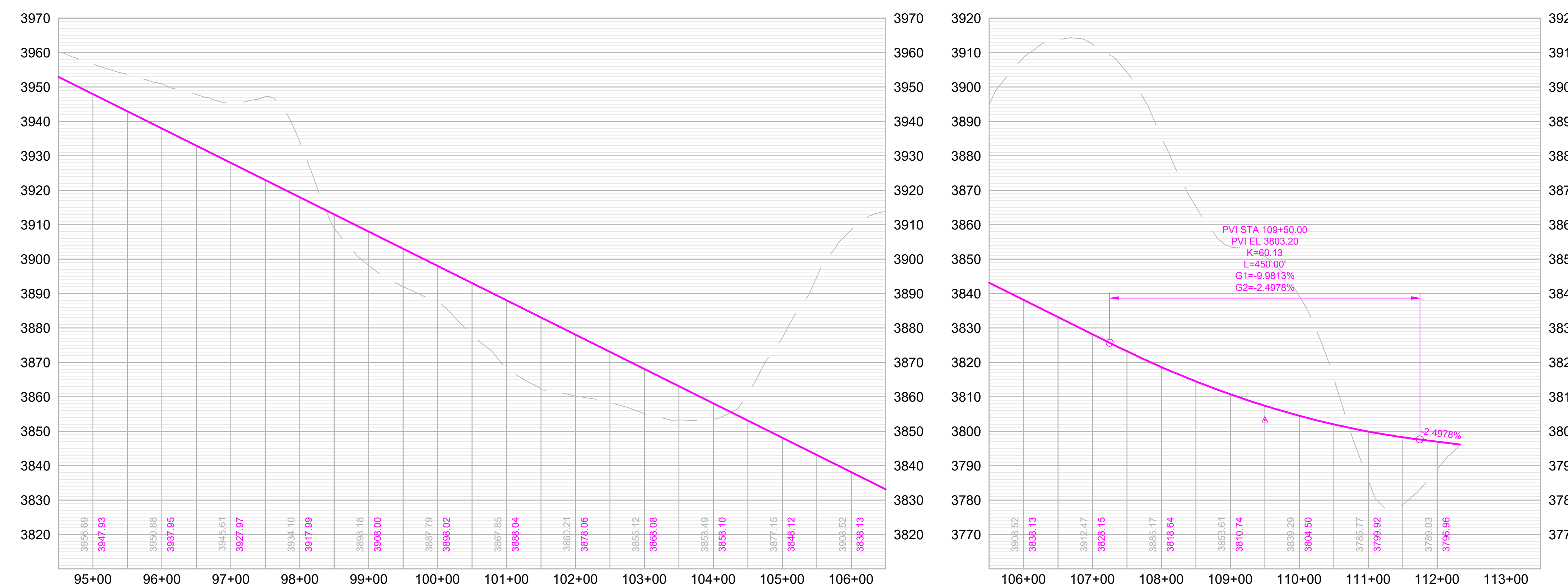
Falling Rock Road

Southern Terminus to Victoria Lake Rd

SHEET





Falling Rock Road

Southern Terminus to Victoria Lake Rd

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SHEET

5 of 5

Nameless Cave Road

Northern Terminus to Schroeder Road

Classification: Minor Arterial

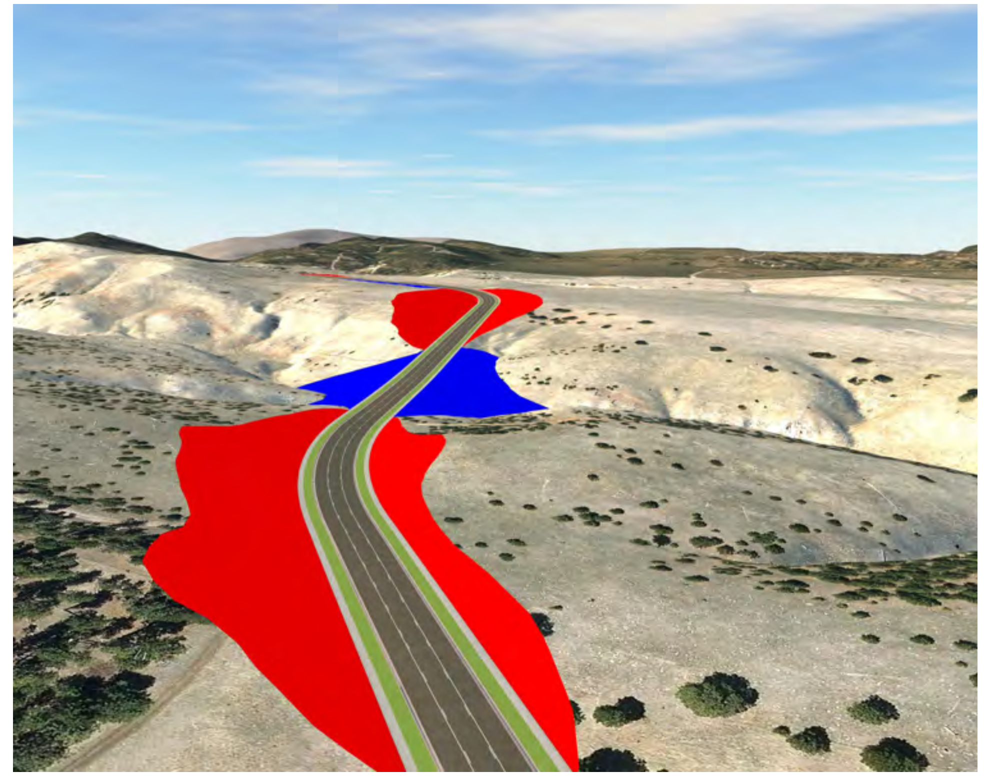
Corridor Length: 9,600 FT

Estimated Quantities

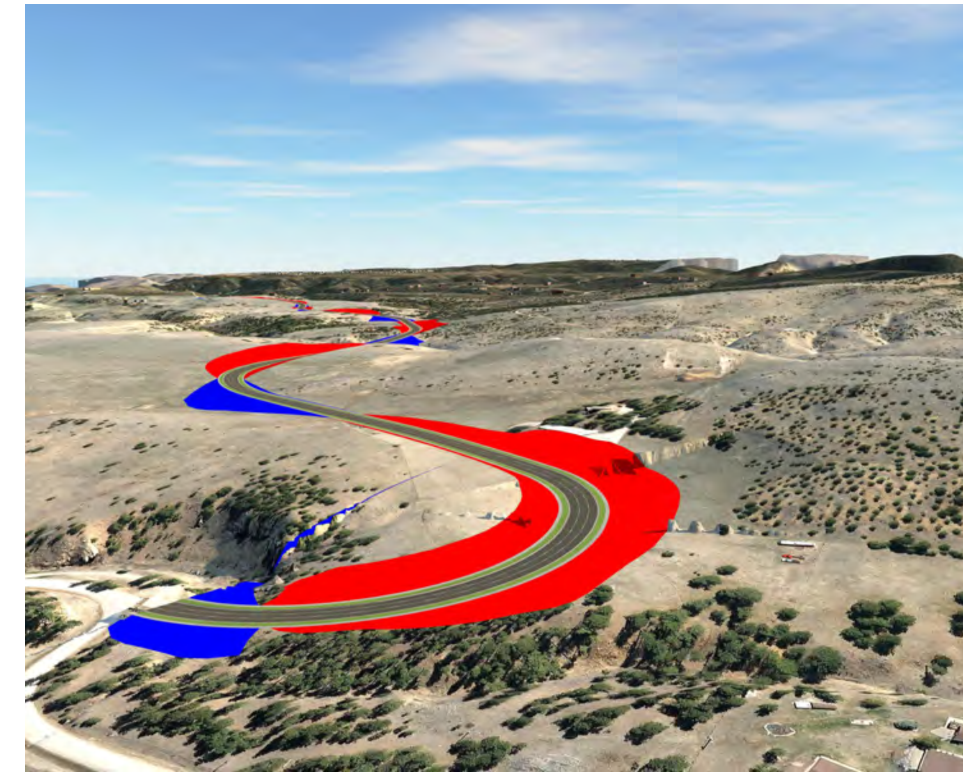
- **Road Surface:** 38,400 SY
- **Earthwork Cut (Red):** 152,632 CY
- **Earthwork Fill (Blue):** 534,835 CY

Segment Consideration:

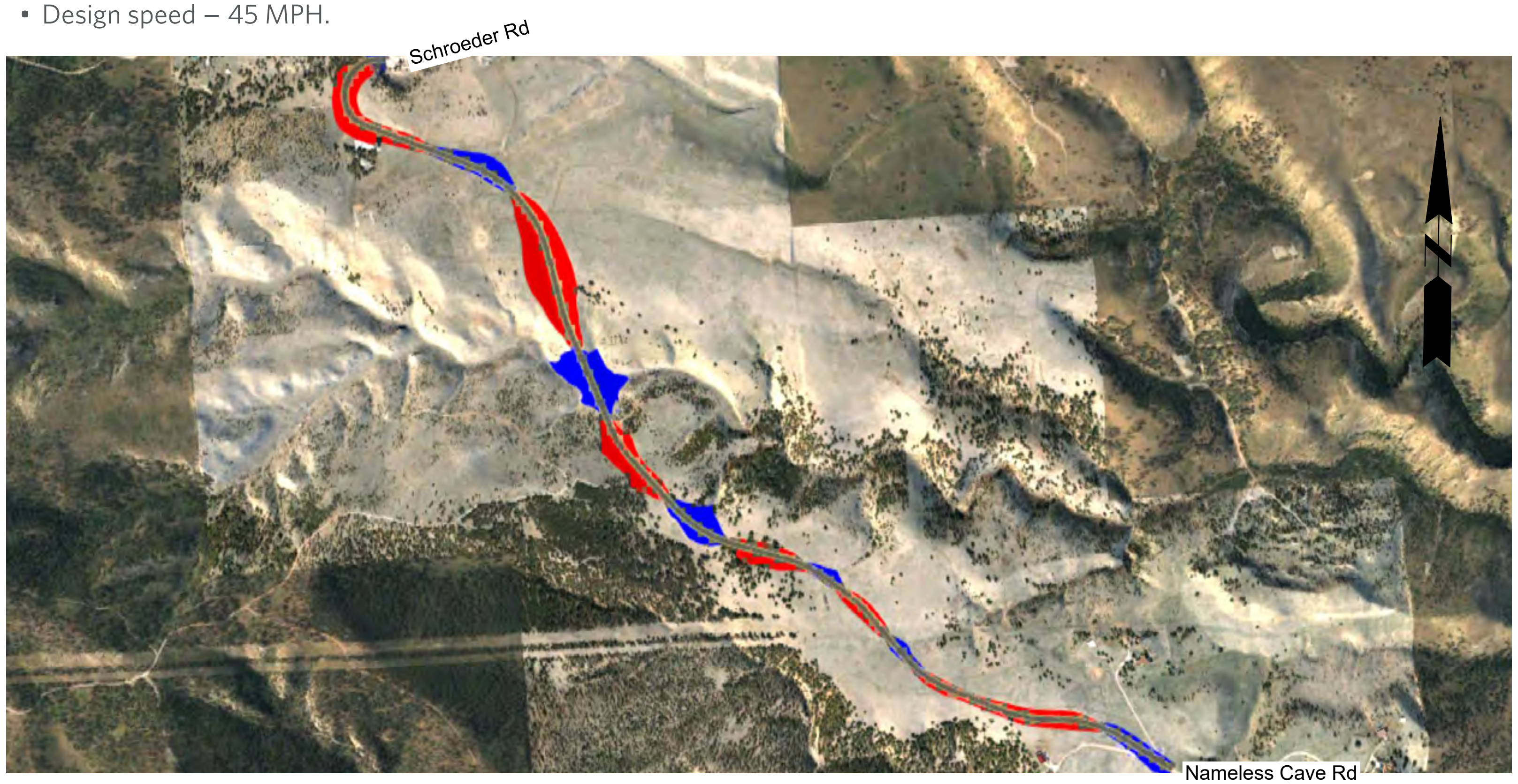
- Will require realignment of existing Schroeder Road at proposed new intersection/connection point.
- Design speed – 45 MPH.



Isometric looking northwest at station 46+00



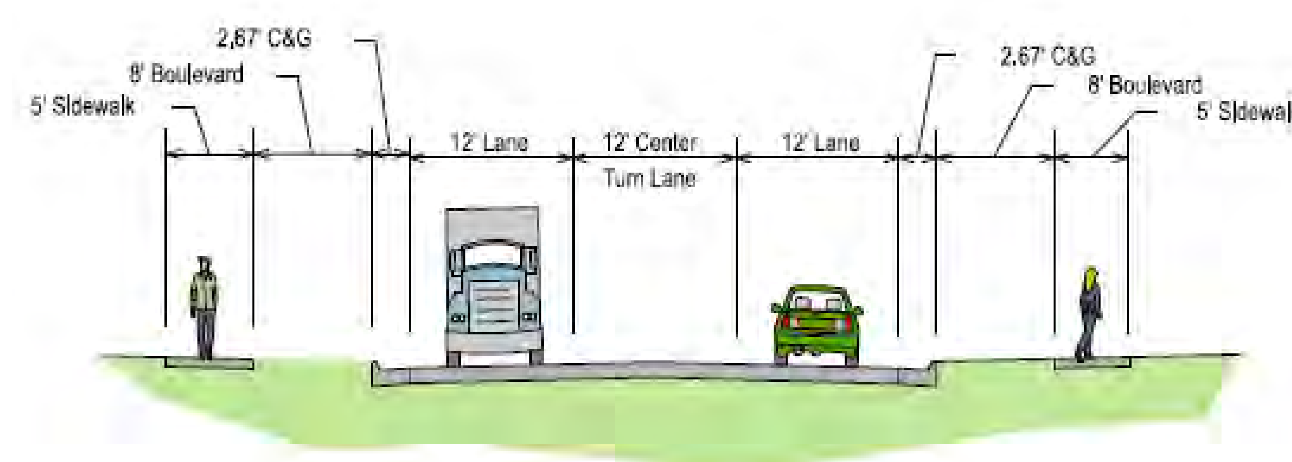
Isometric looking southeast at station 2+00

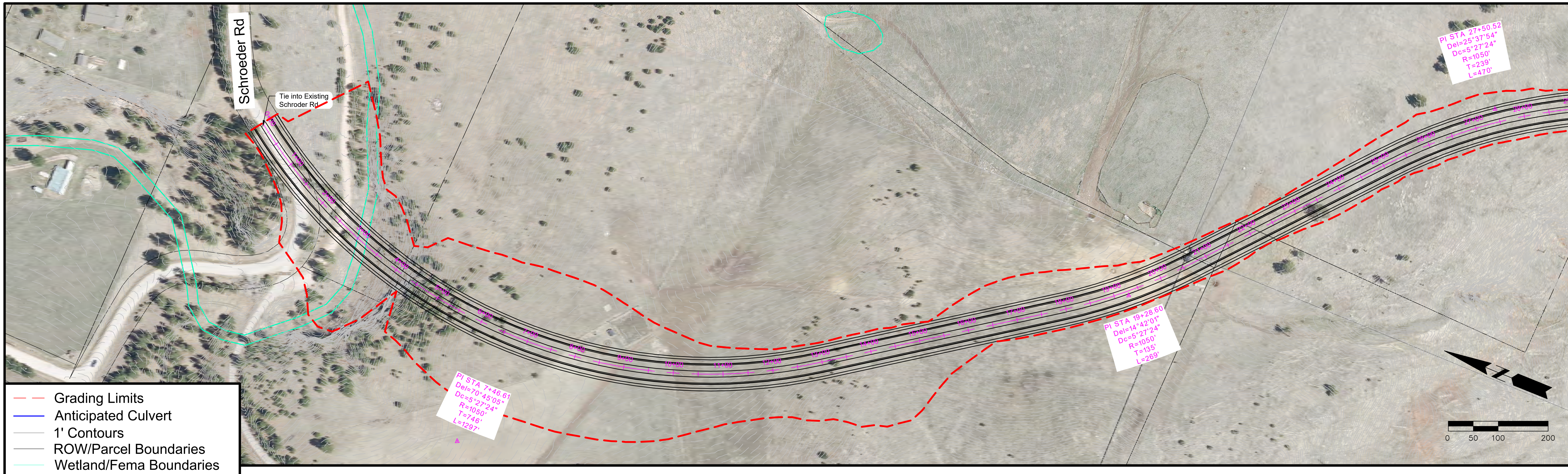


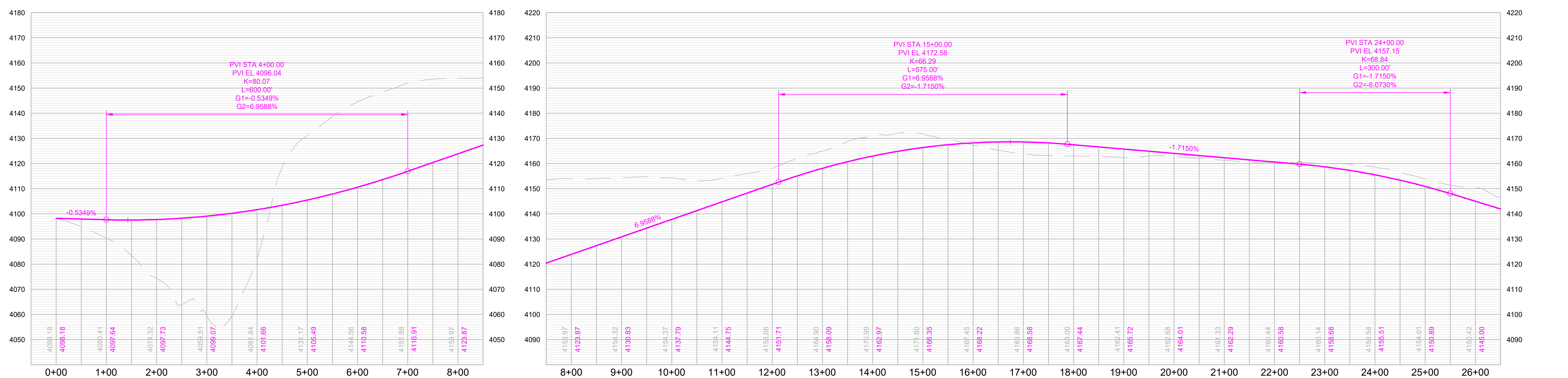
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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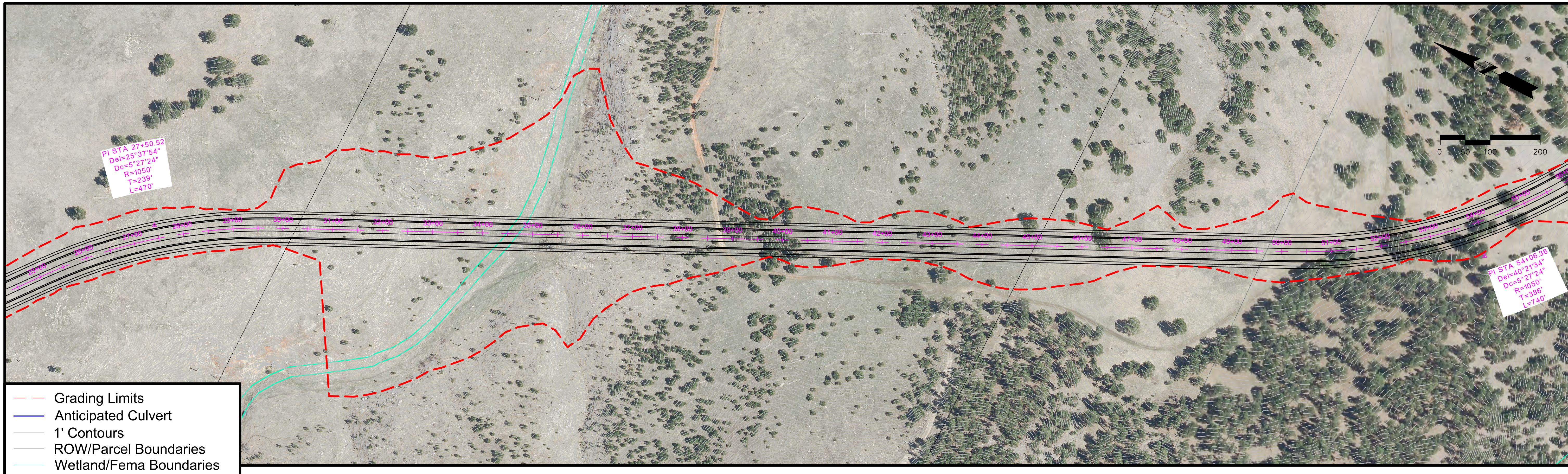
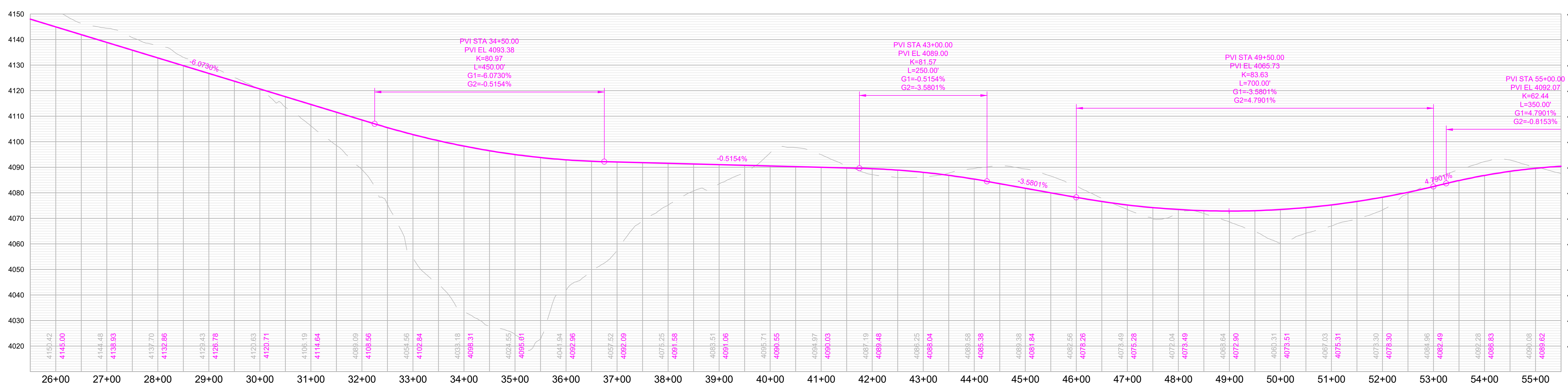
Nameless Cave Road

Northern Terminus to Schroeder Rd

SHEET

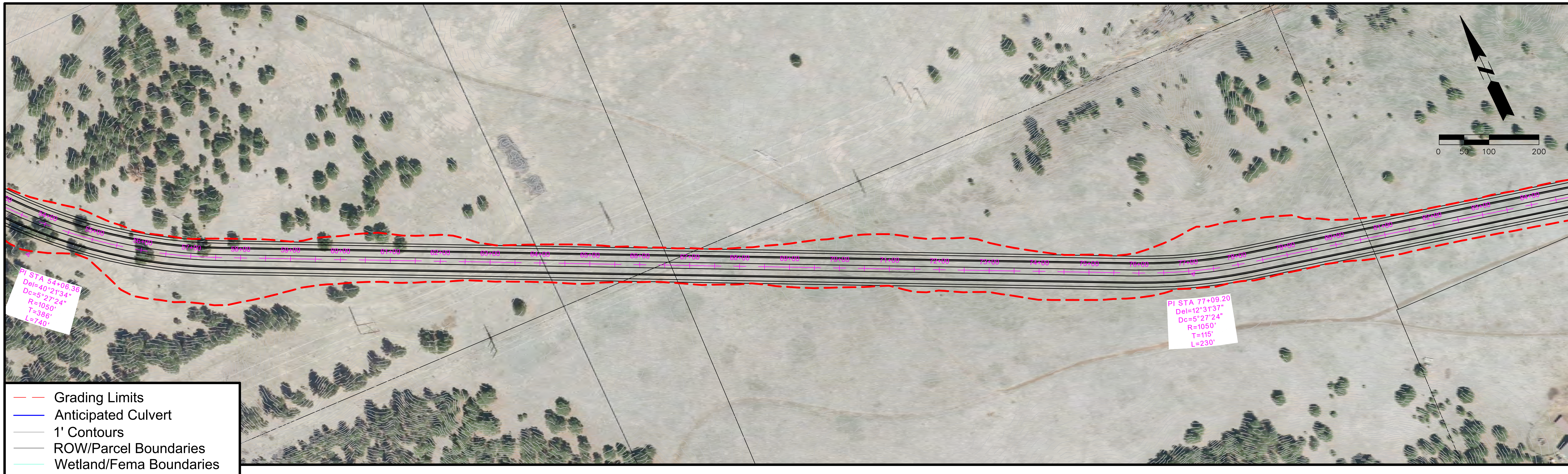
1 of 4

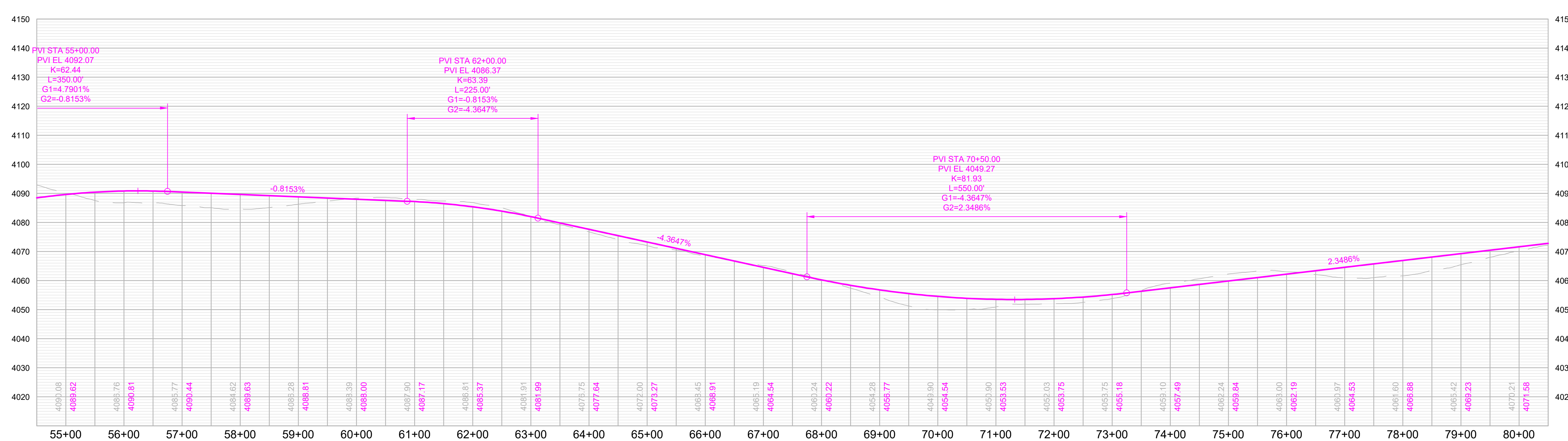




Nameless Cave Road

Northern Terminus to Schroeder Rd



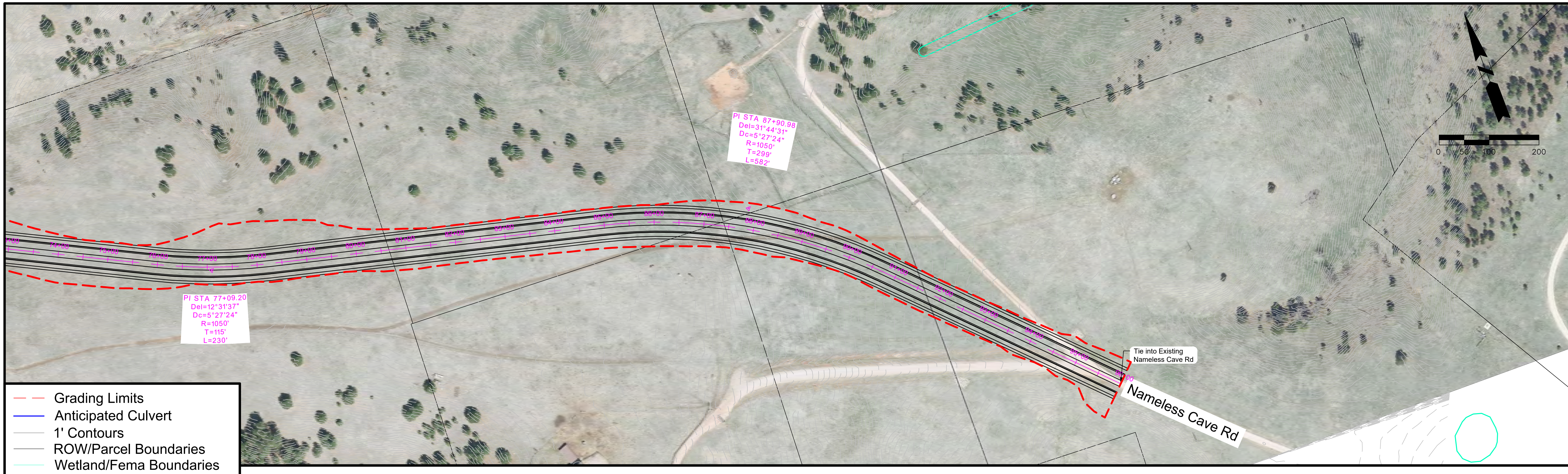


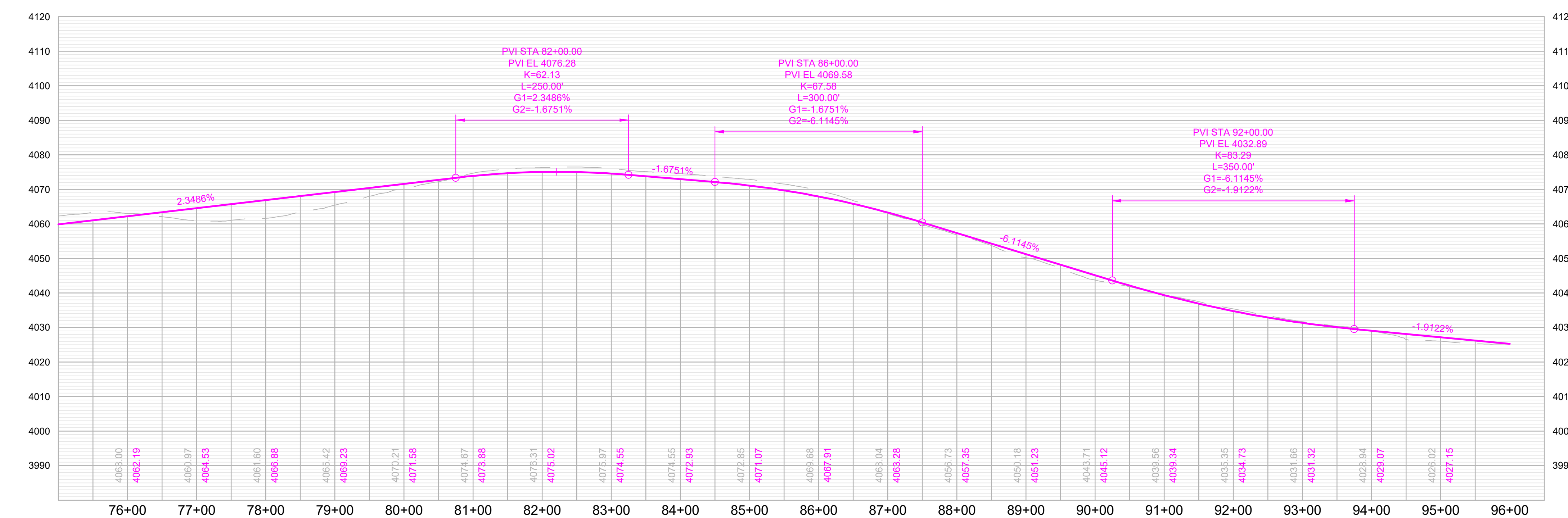
Nameless Cave Road

Northern Terminus to Schroeder Rd

SHEET

3 of 4





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Nameless Cave Road

Northern Terminus to Schroeder Rd

SHEET

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Hidden Valley Road

Western Terminus to Bittersweet Road

Classification: Principal Arterial

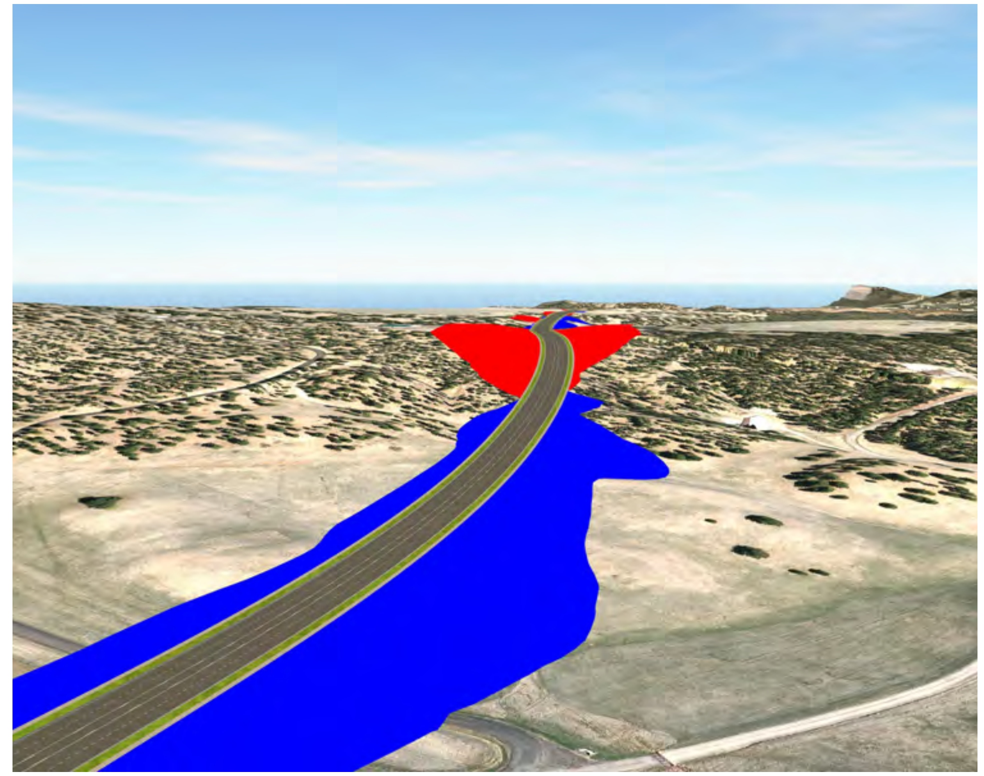
Corridor Length: 8,000 FT

Estimated Quantities

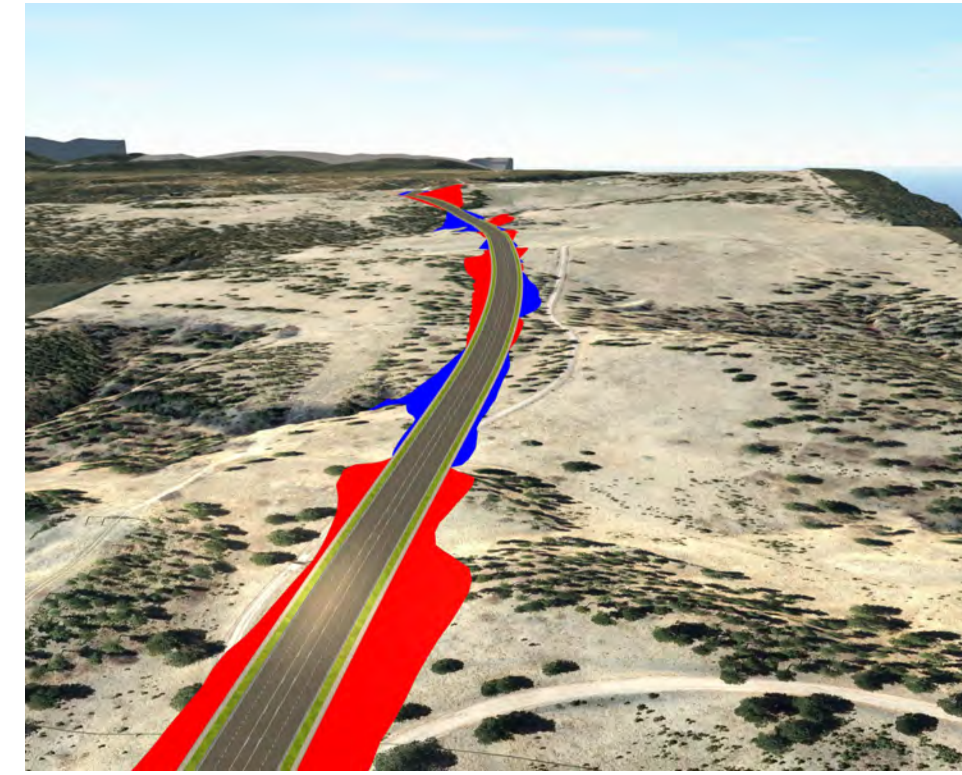
- **Road Surface:** 51,556 SY
- **Earthwork Cut (Red):** 578,367 CY
- **Earthwork Fill (Blue):** 485,098 CY

Segment Considerations:

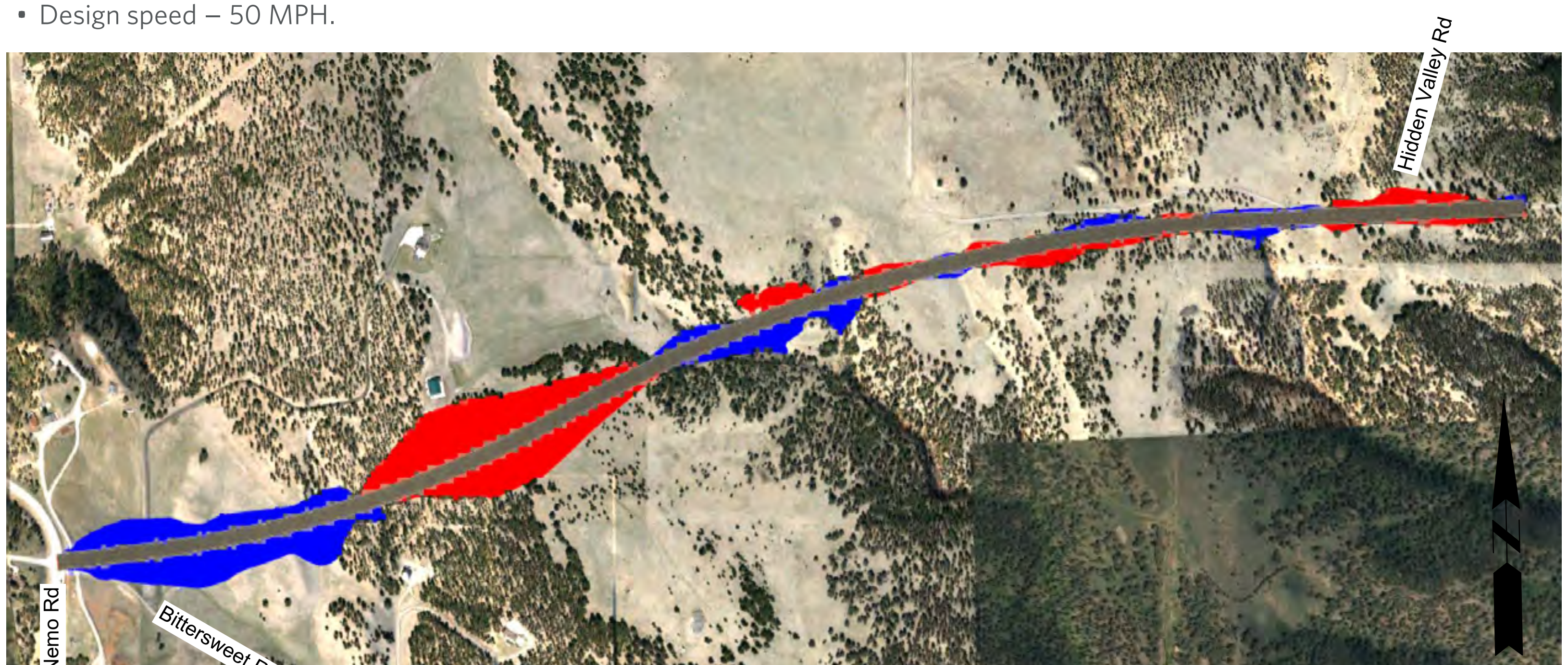
- The sight distance at the existing Bittersweet Road/Nemo Road intersection meets a 50 MPH design speed, however backslope and vertical curve grading may be necessary to meet a 55 MPH design speed on Nemo Road.
- Consider steeper slopes to reduce property impacts near Station 22+00.
- Design speed – 50 MPH.



Isometric looking northeast at station 2+00



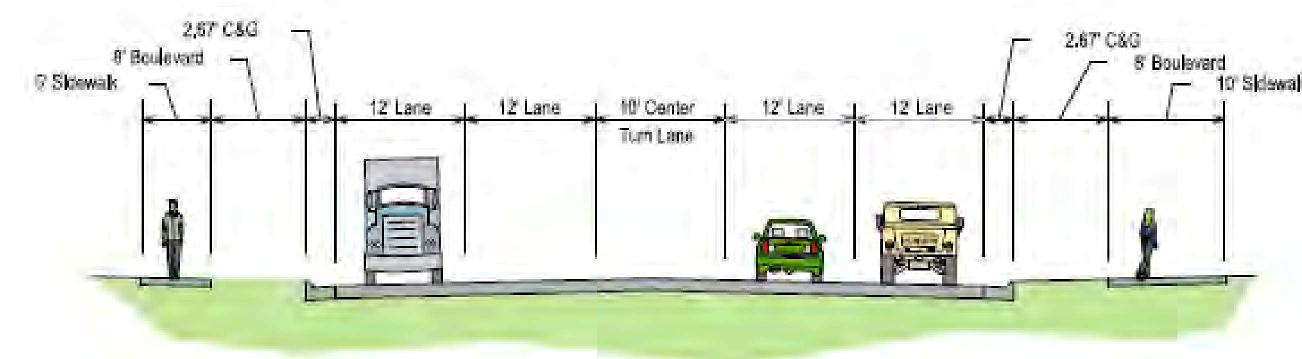
Isometric looking west at station 78+00

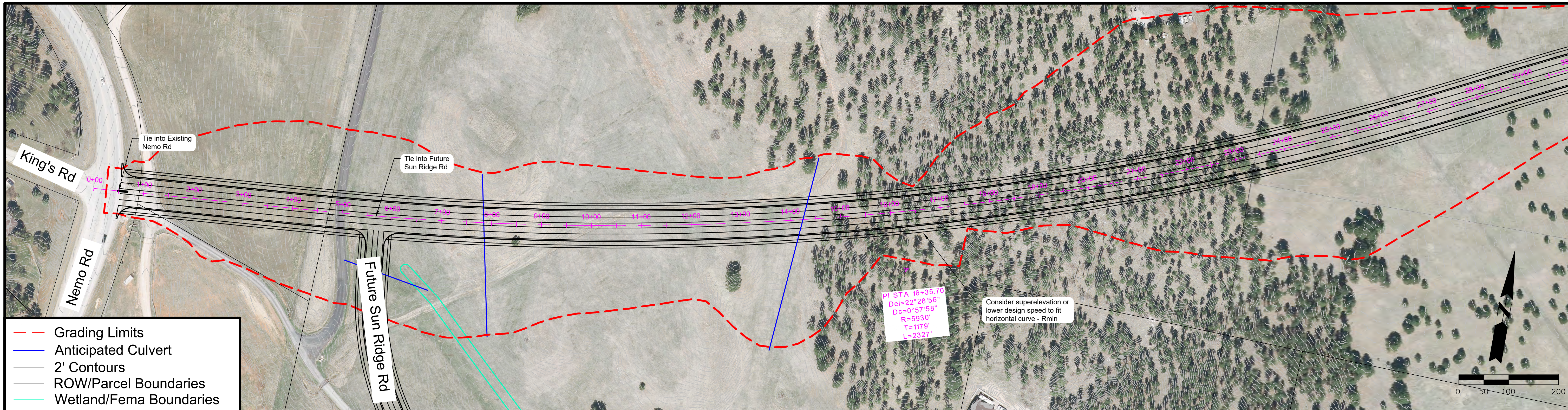


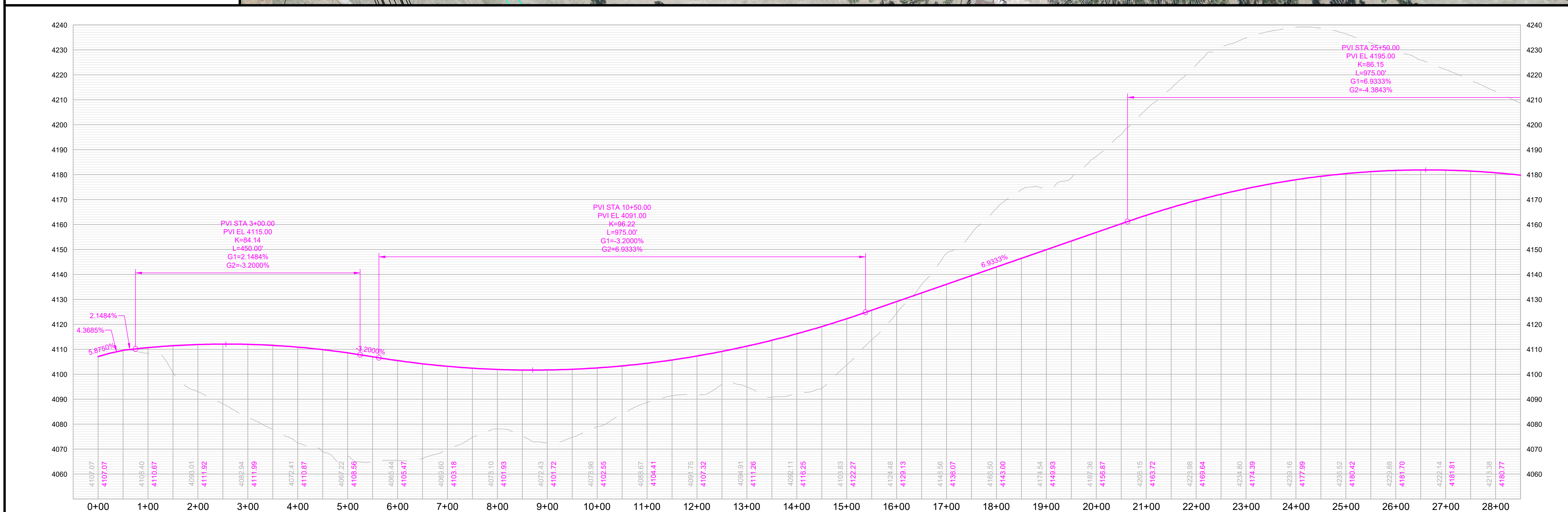
Segment Overview

Proposed Typical Section

5 Lane Principal Arterial





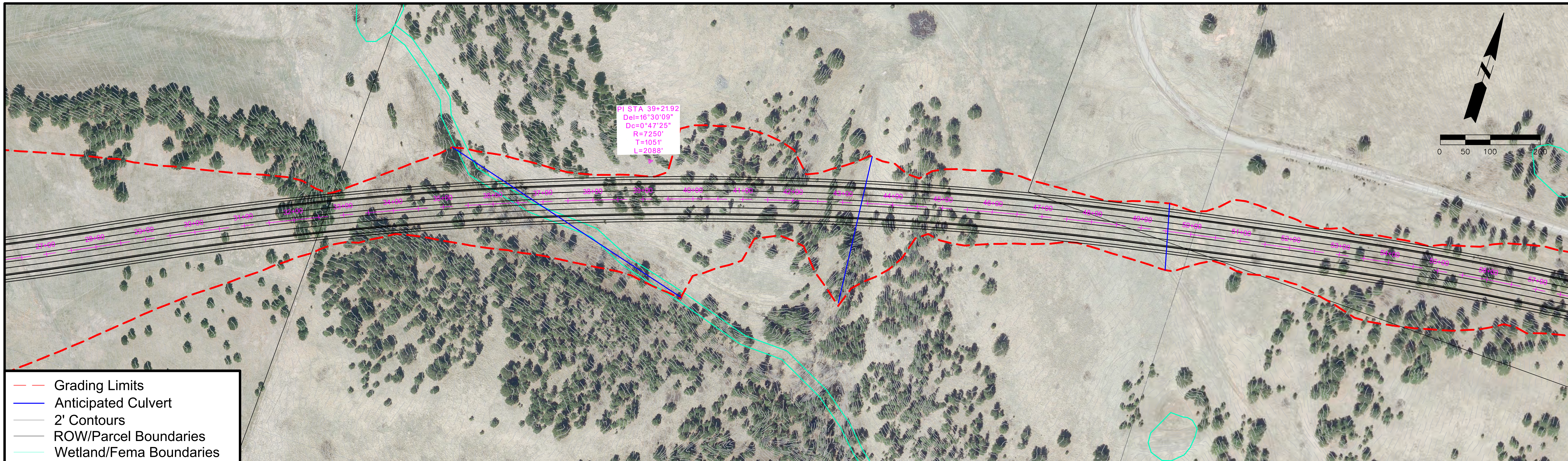


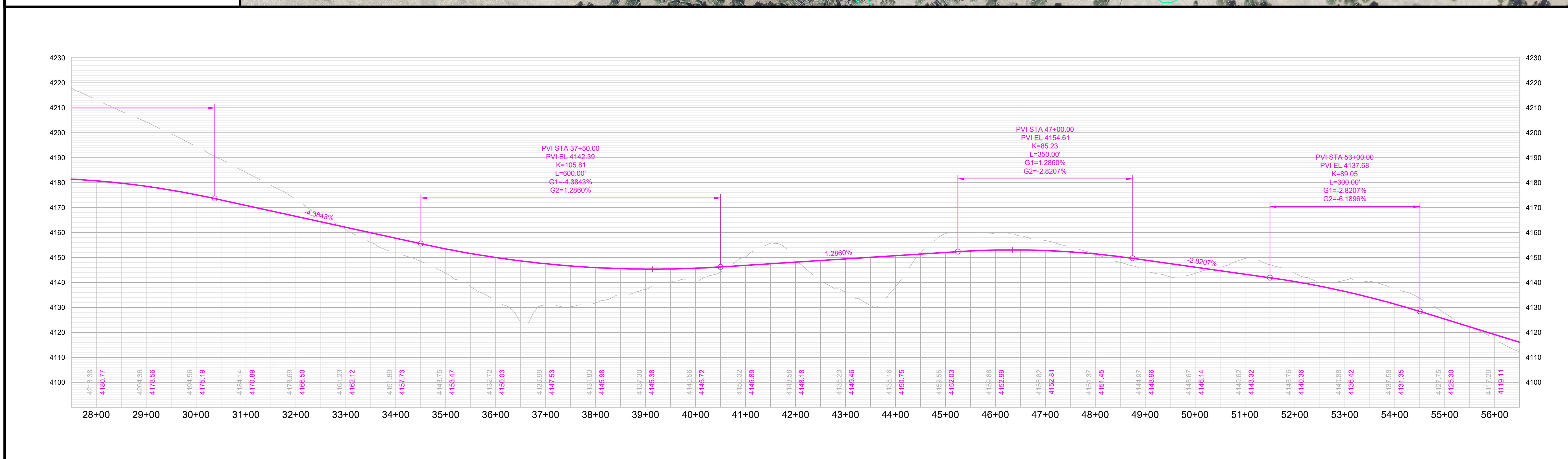
Hidden Valley Road

Western Terminus to Bittersweet Rd

SHEET

1 of 3





Hidden Valley Road

Western Terminus to Bittersweet Rd

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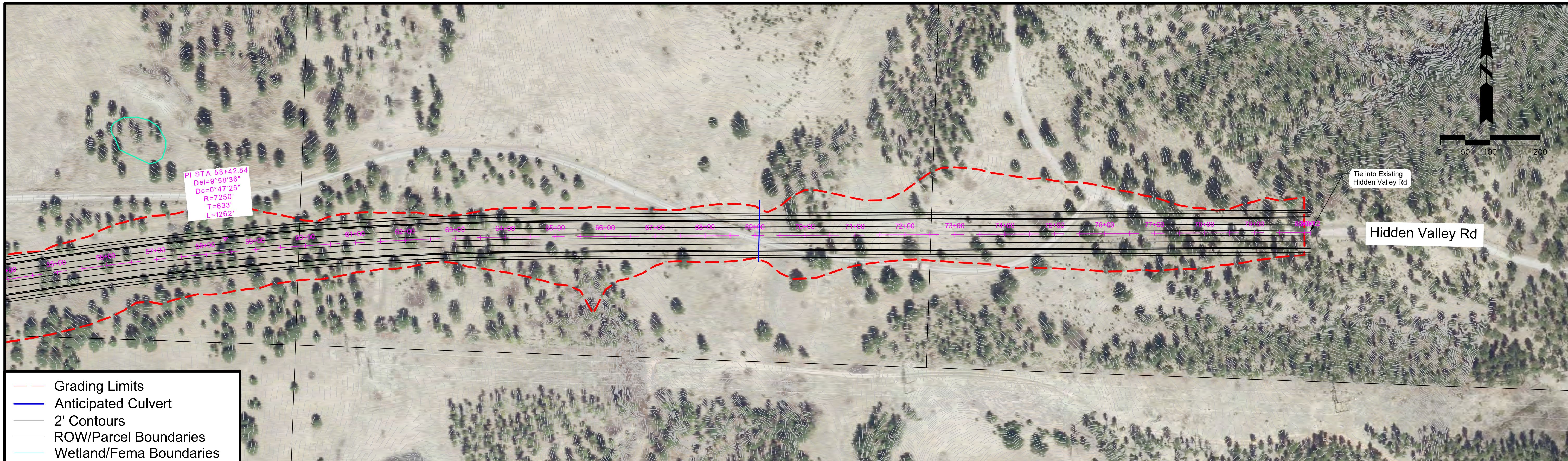
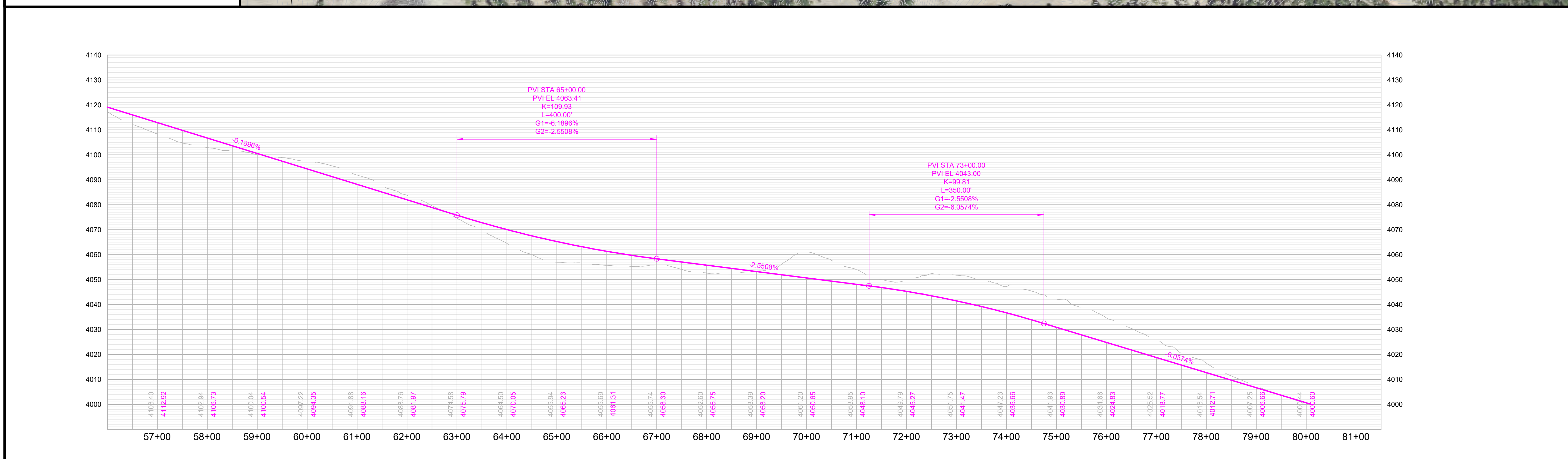
SHEET





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Hidden Valley Road

Western Terminus to Bittersweet Rd

SHEET
3 of 3

Sun Ridge Road

Western Terminus to Bittersweet Road

Classification: Collector

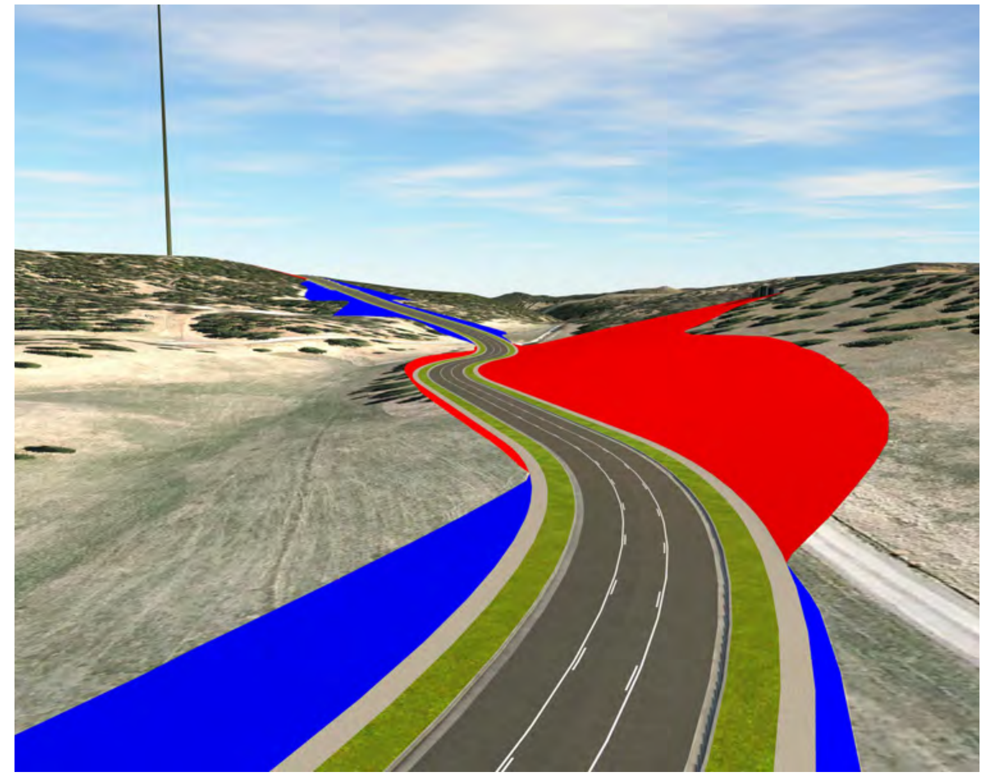
Corridor Length: 4,710 FT

Estimated Quantities

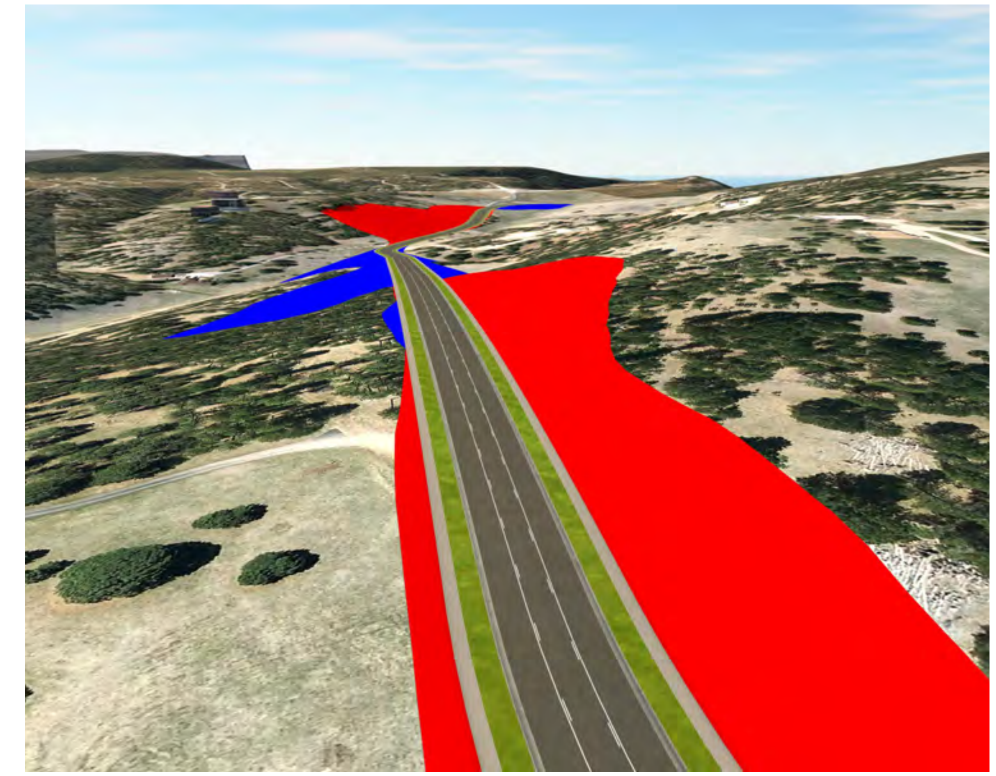
- Road Surface: 16,747 SY
- Earthwork Cut (Red): 626,045 CY
- Earthwork Fill (Blue): 294,824 CY

Segment Considerations:

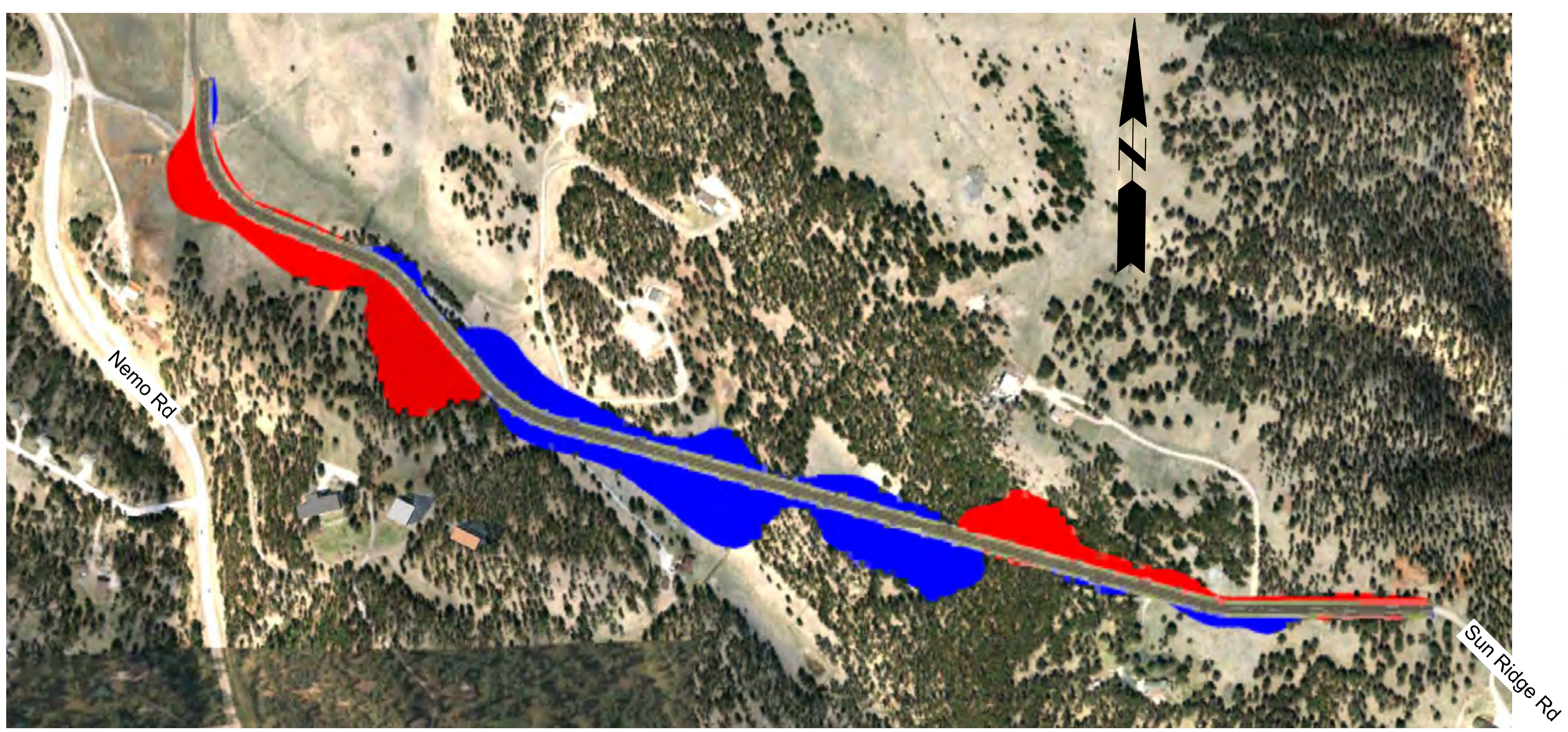
- Design speed – 35 MPH.



Isometric looking east at station 3+00



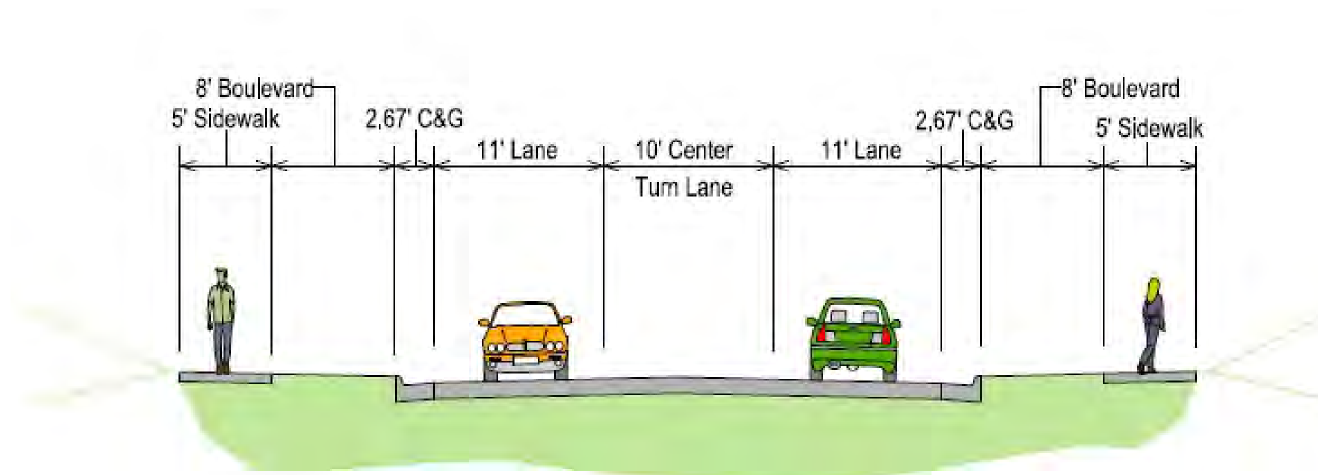
Isometric looking west at station 46+00

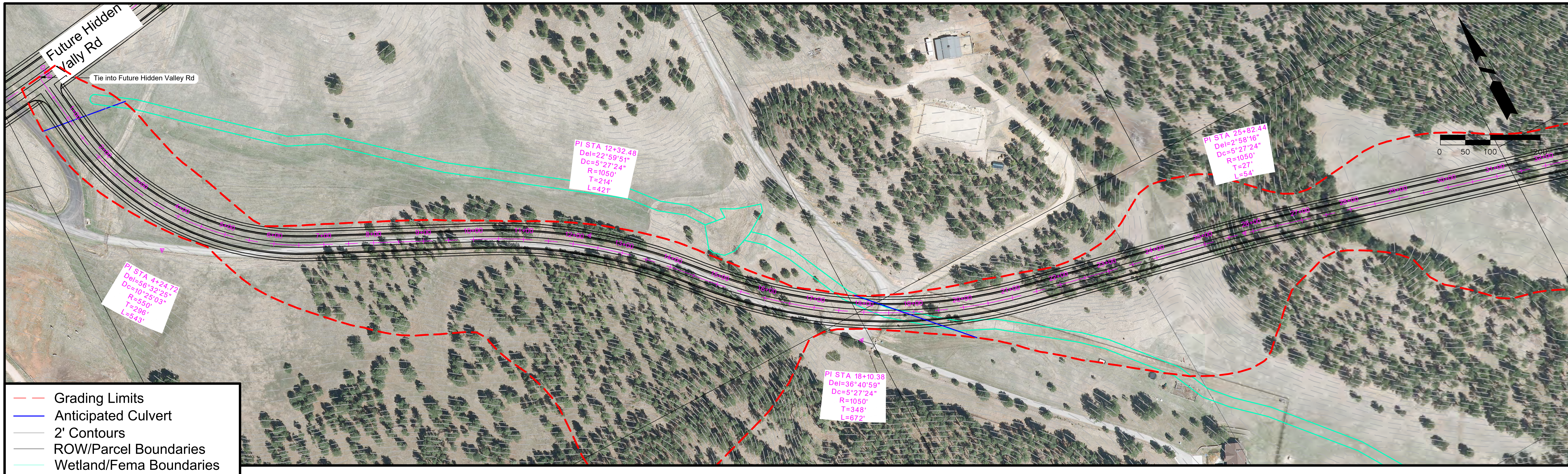


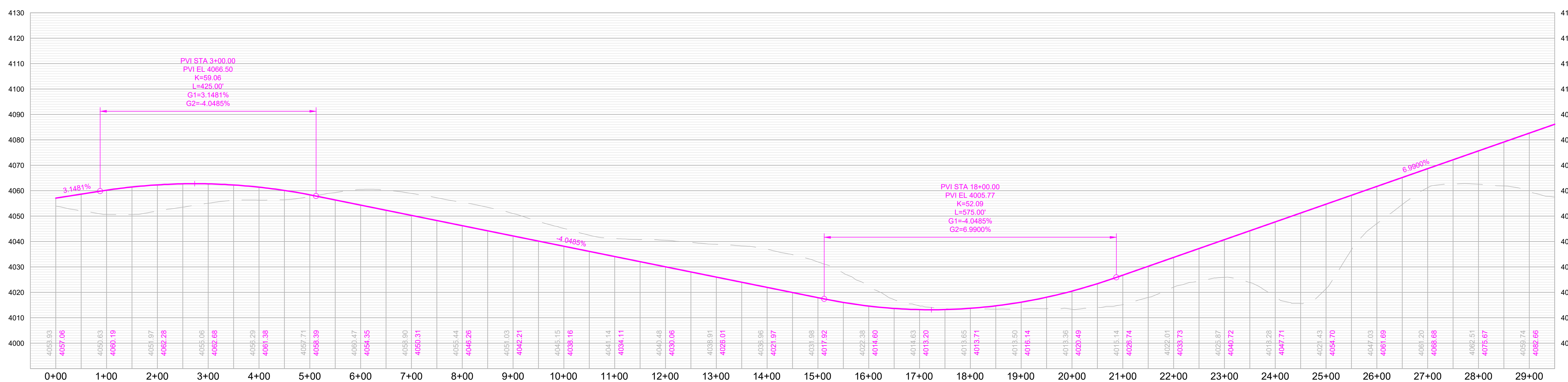
Segment Overview

Proposed Typical Section

3 Lane Collector







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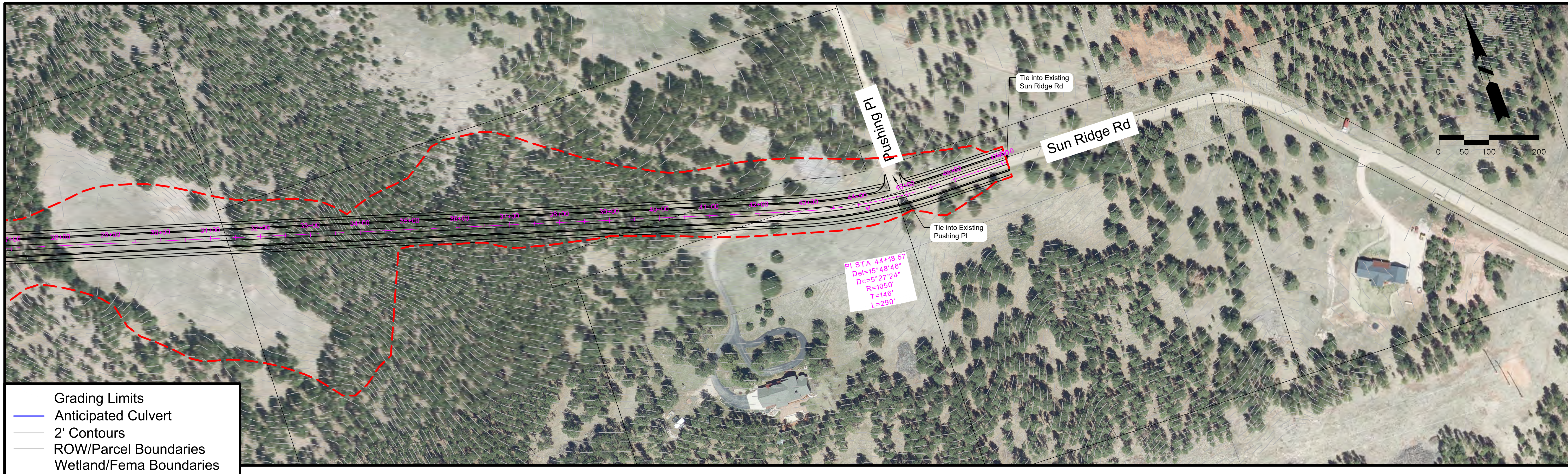
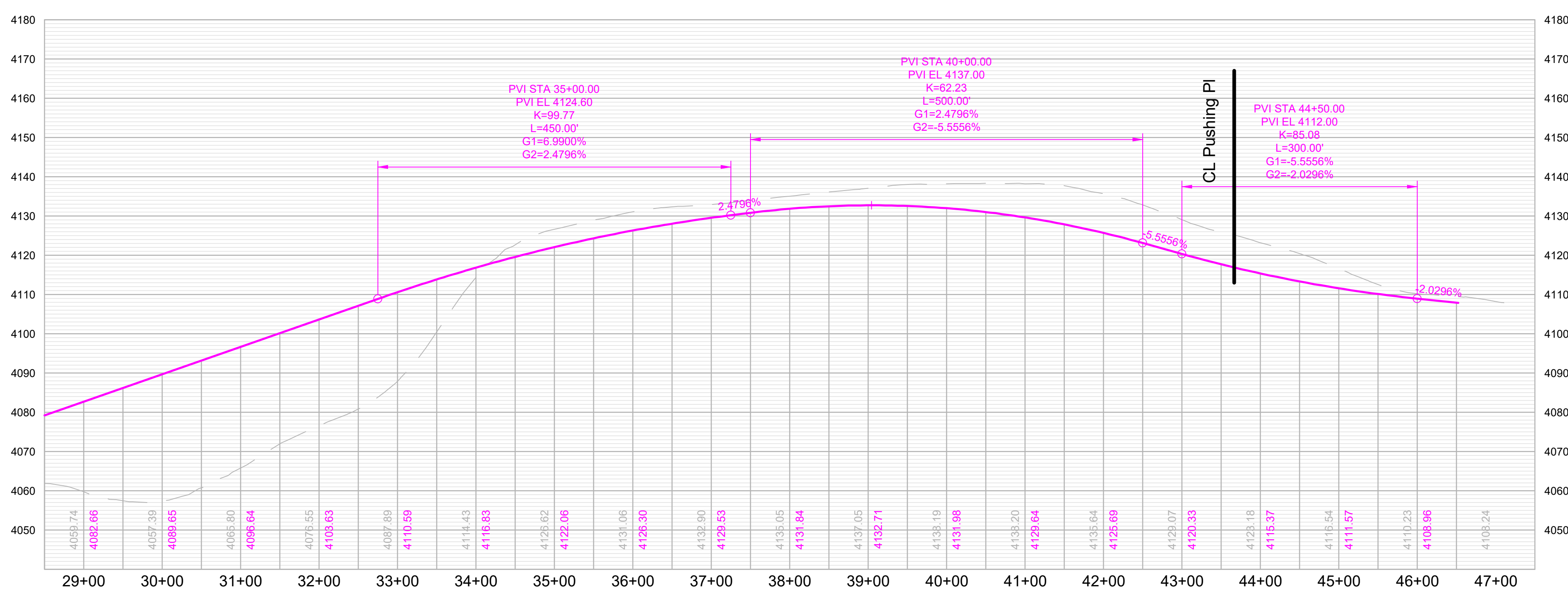
Sun Ridge Road

Western Terminus to Bittersweet Rd

SHEET

1 of 2





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Sun Ridge Road

Western Terminus to Bittersweet Rd

SHEET

Anamosa Street
I-190 to Commerce Road

Classification: Minor Arterial

Corridor Length: 7,030 FT

Estimated Quantities

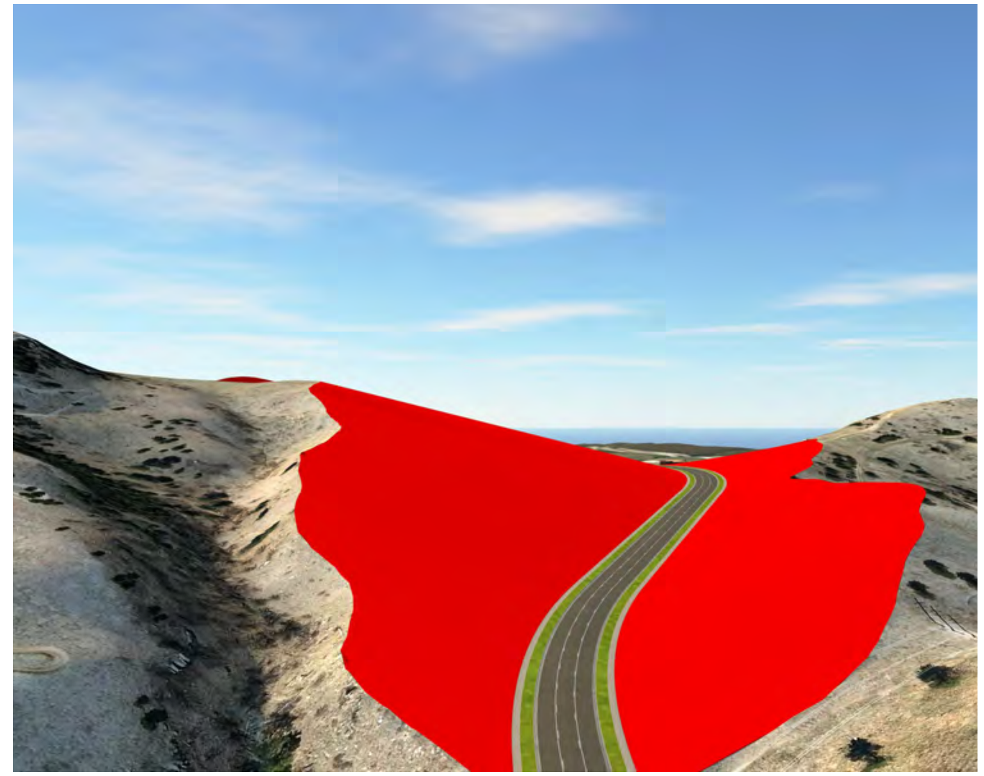
Road Surface: 28,120 SY

Earthwork Cut (Red): 4,220,897 CY

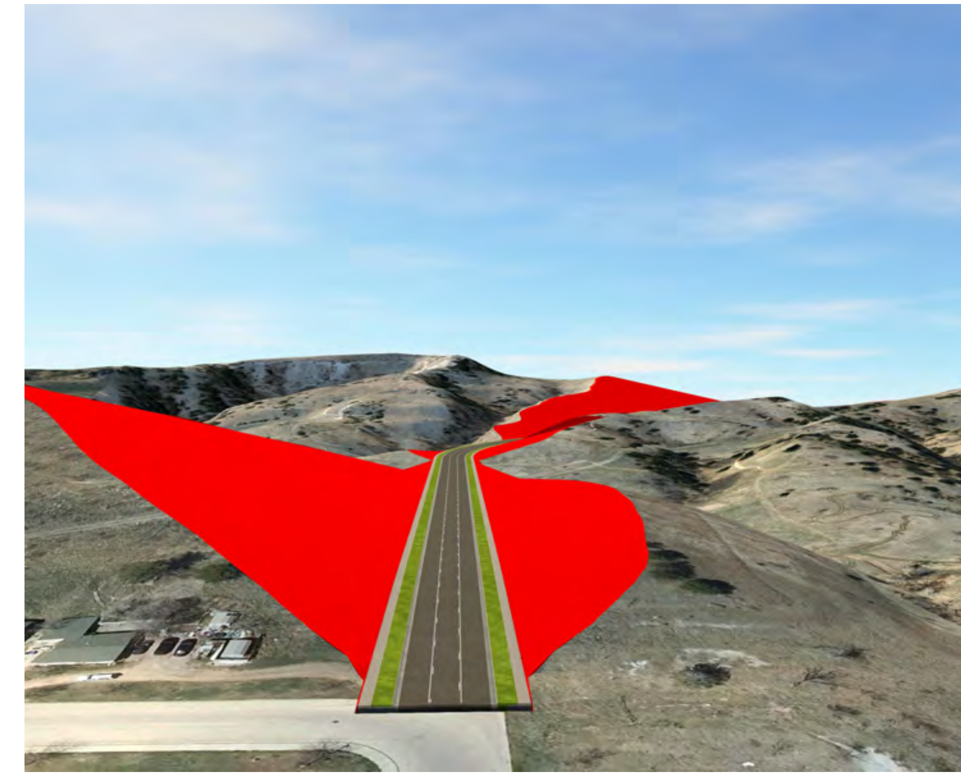
Earthwork Fill (Blue): 221,428 CY

Segment Considerations:

- Significant cut required to maintain design criteria from station 35+00 to 53+00. Increasing grade criteria to 10% max still results in excess of 100′ cuts in this controlling area.
- Design speed – 45 MPH.



Isometric looking west at station 53+00

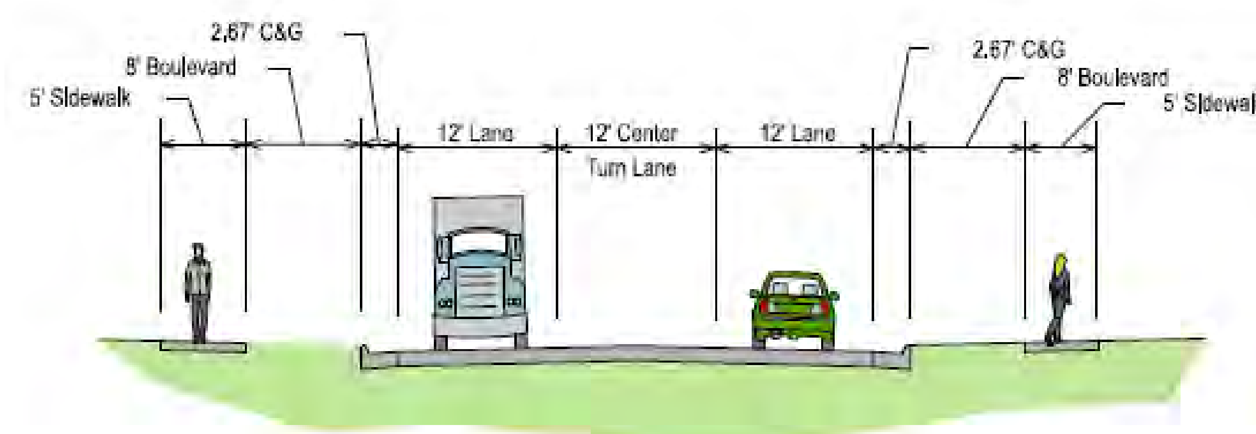


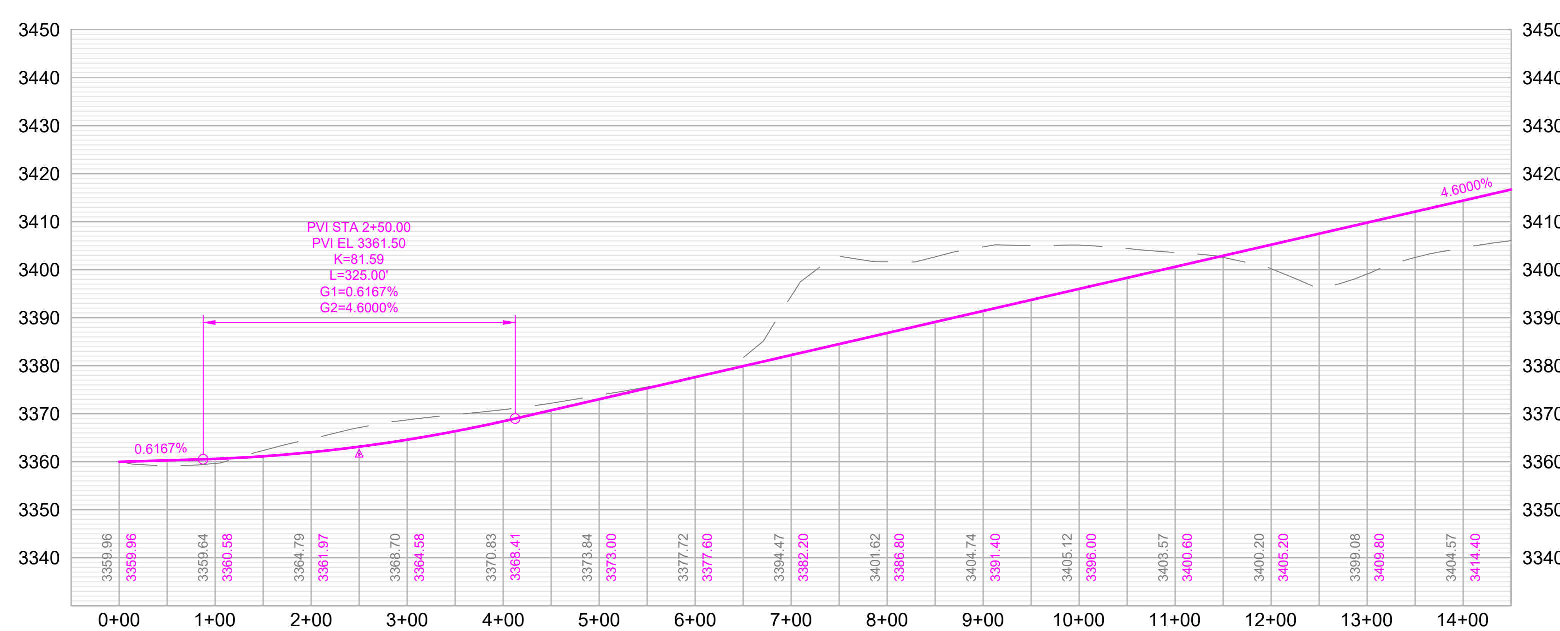
Isometric looking west at station 71+00

Segment Overview

Proposed Typical Section

3 Lane Minor Arterial





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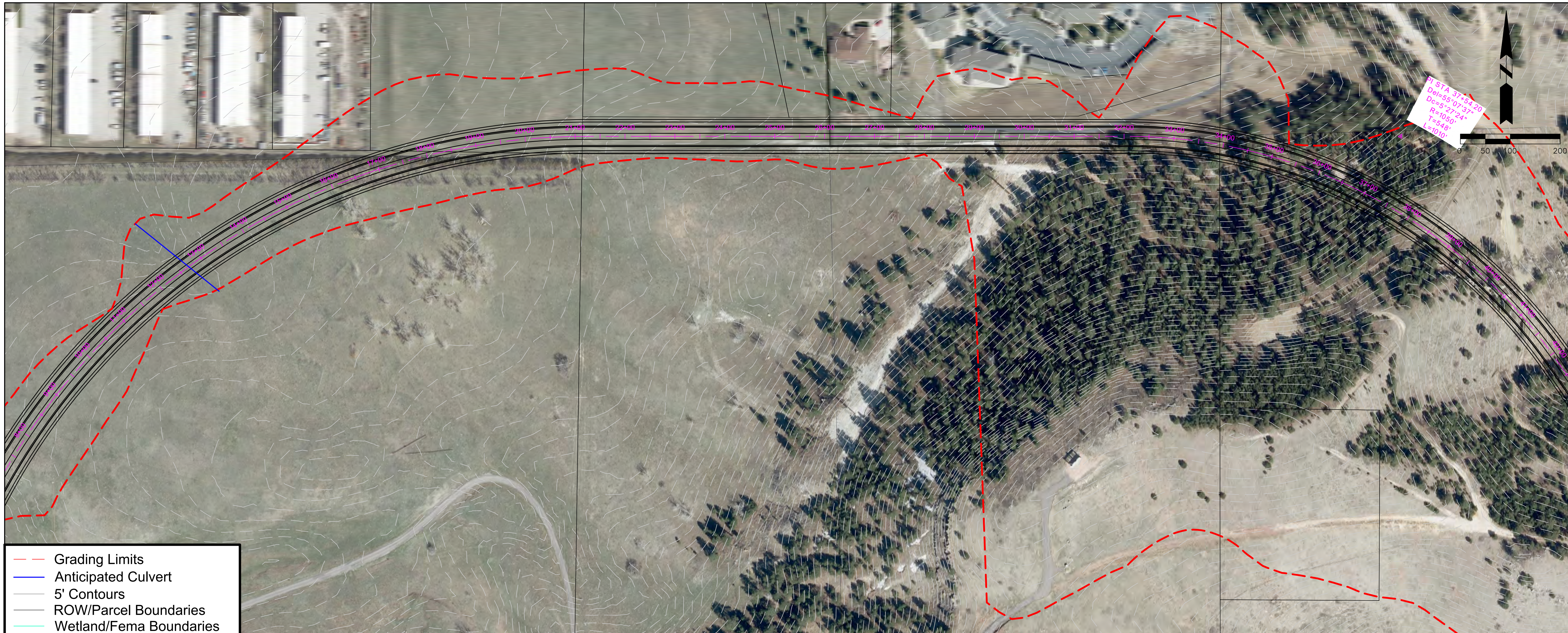
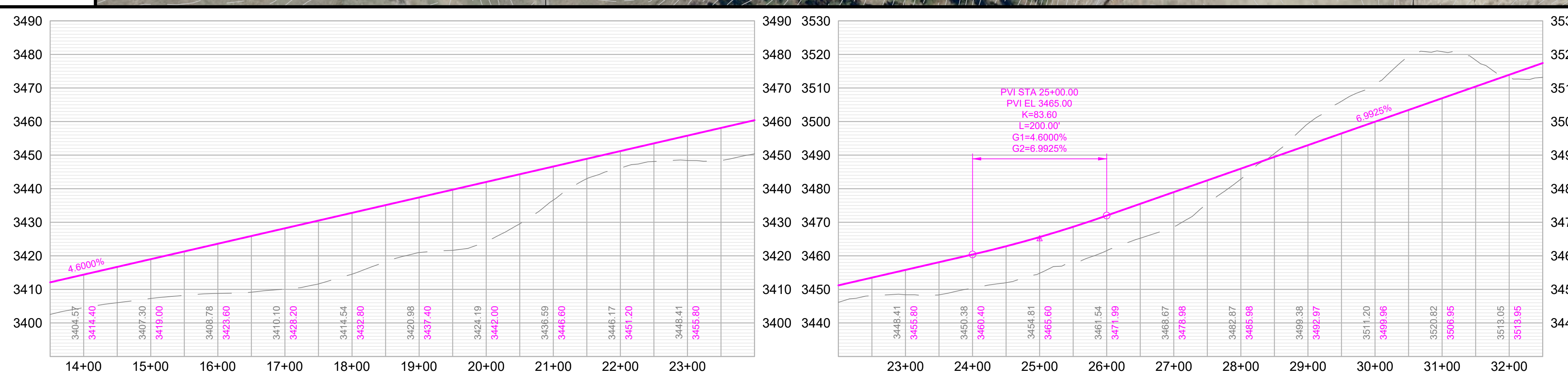
Anamosa Street

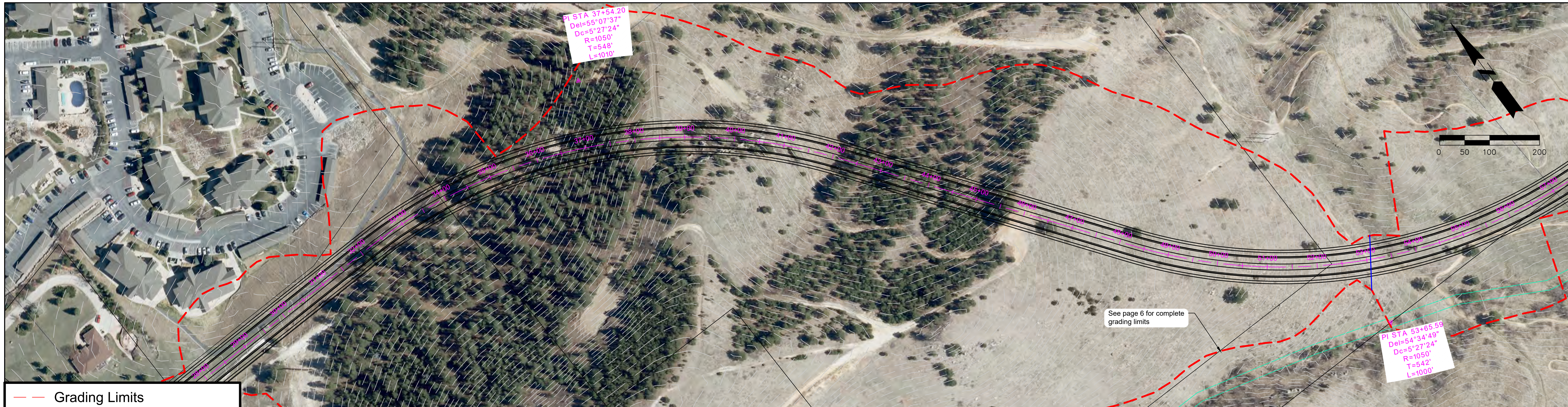
I-190 to Commerce Rd



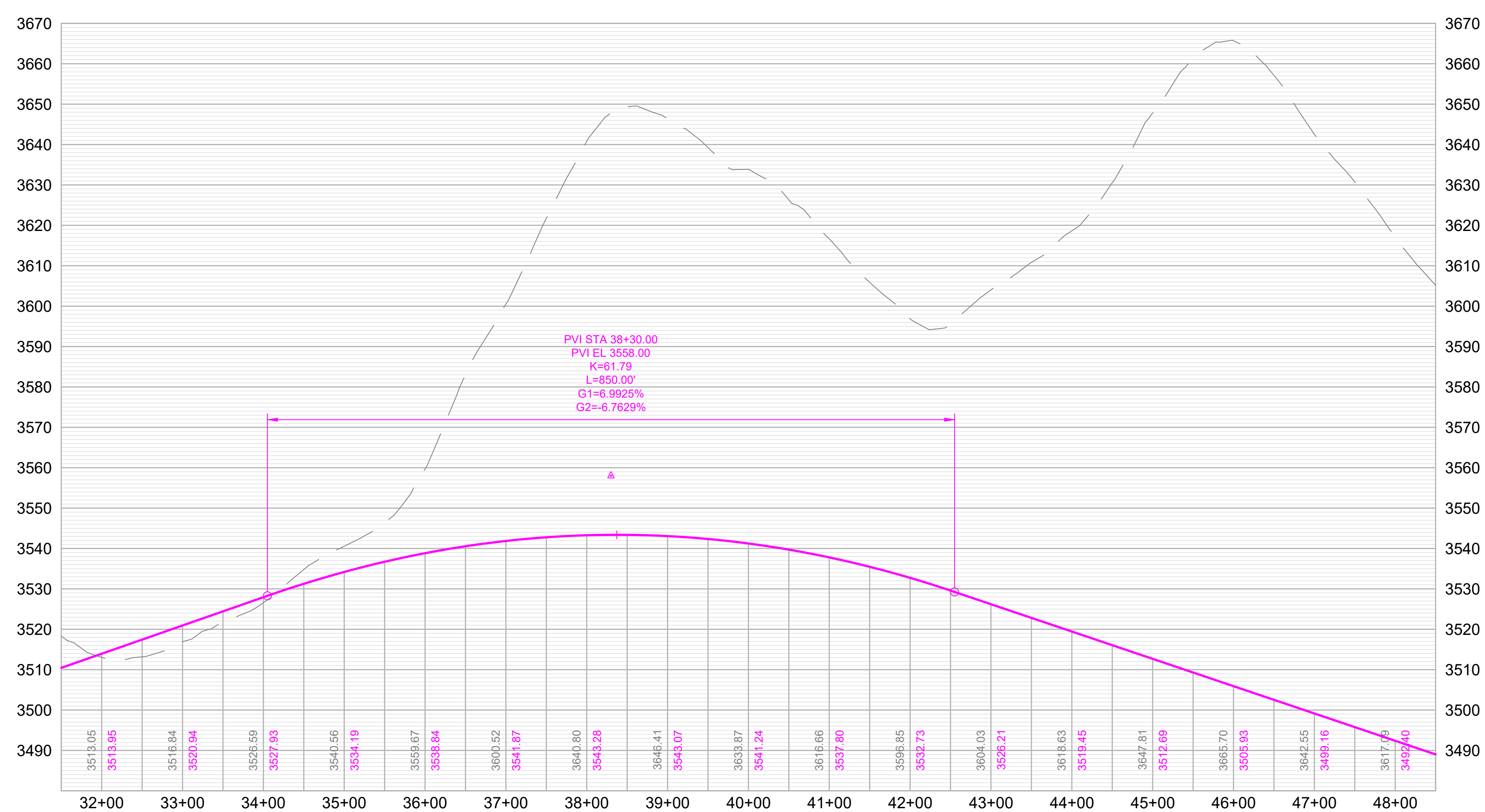


Anamosa Street

I-190 to Commerce Rd



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



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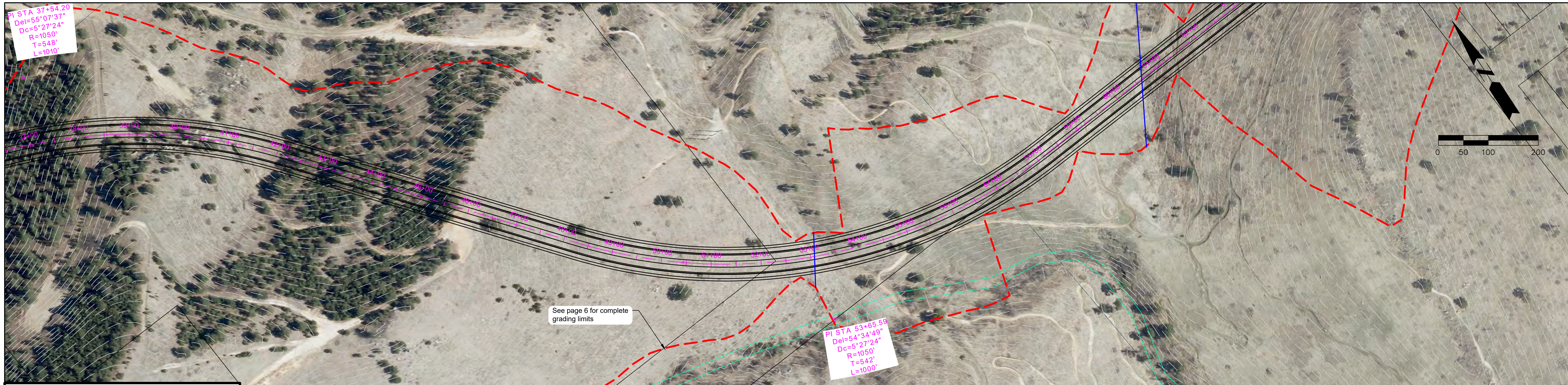
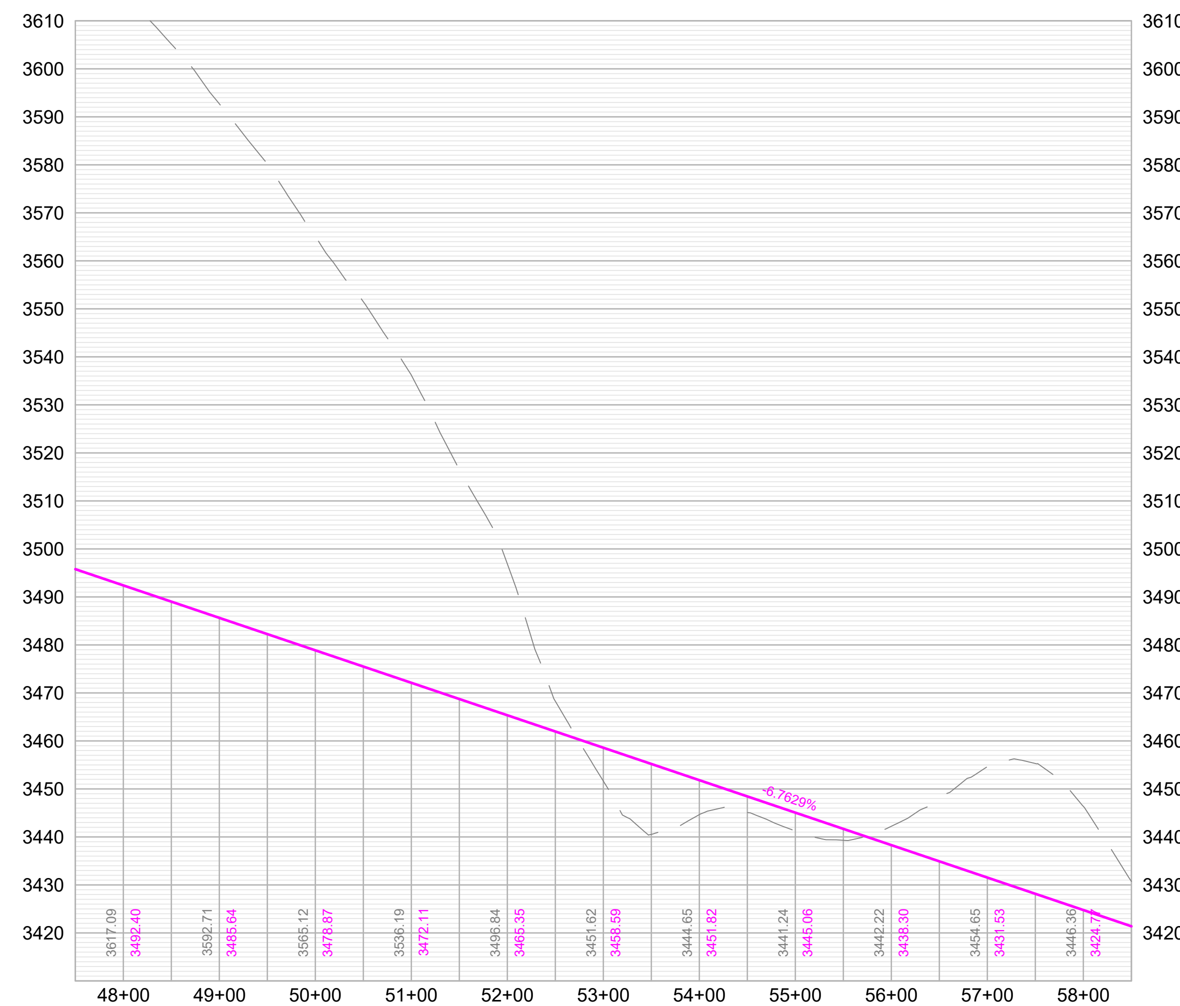
Anamosa Street

I-190 to Commerce Rd



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



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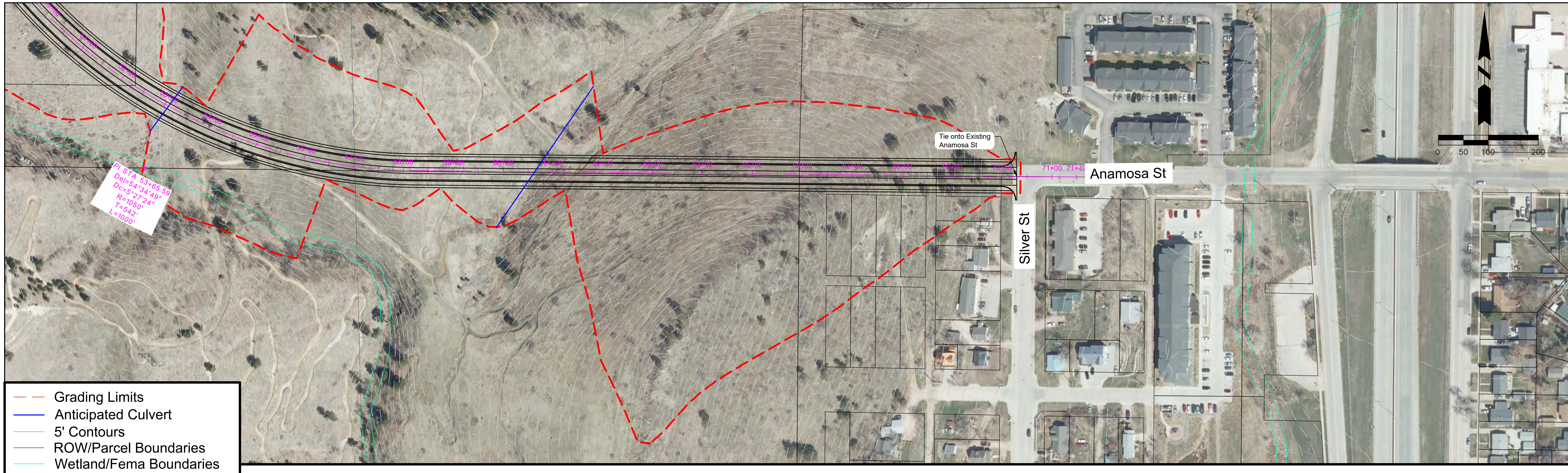
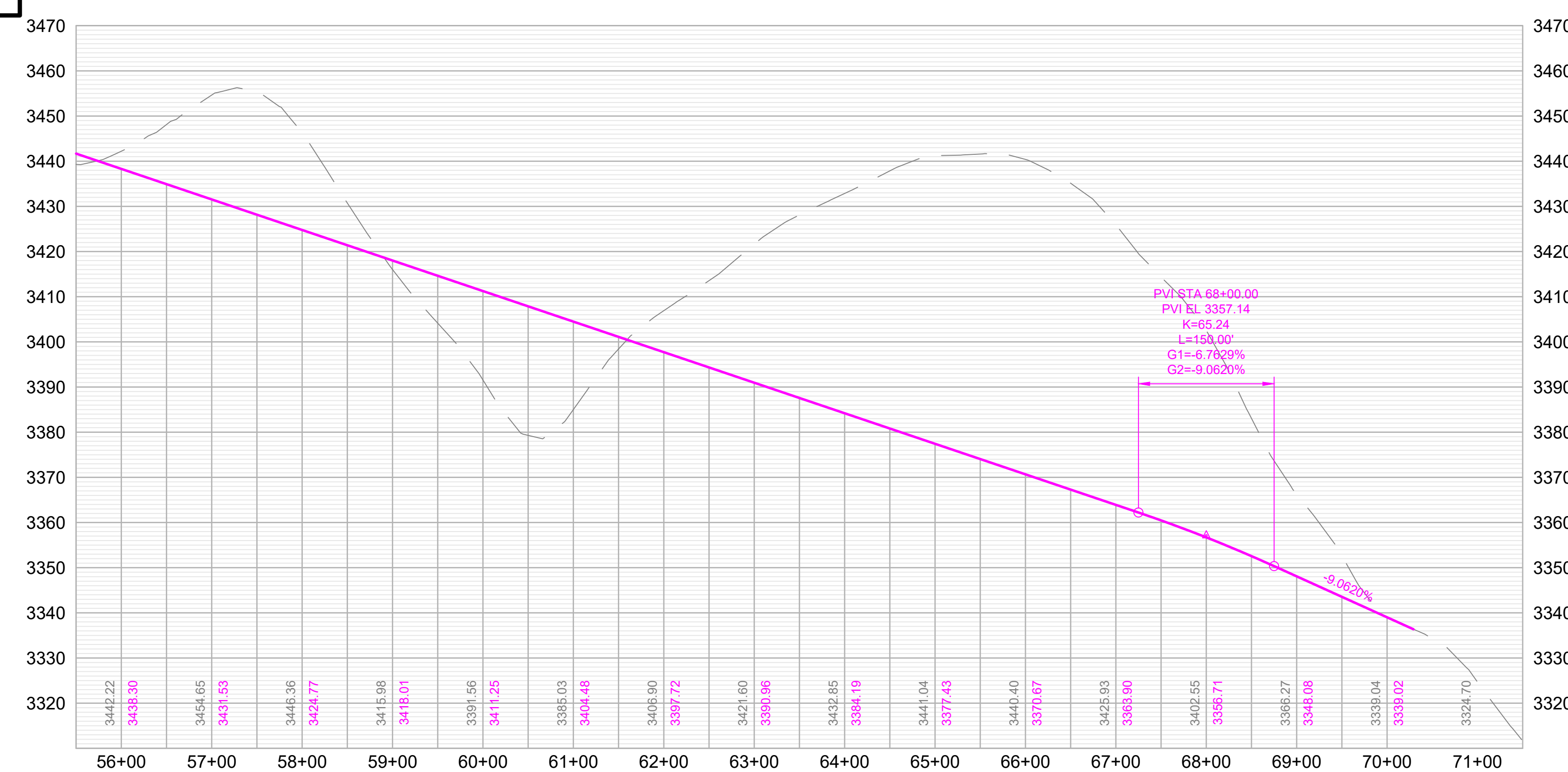
Anamosa Street

I-190 to Commerce Rd





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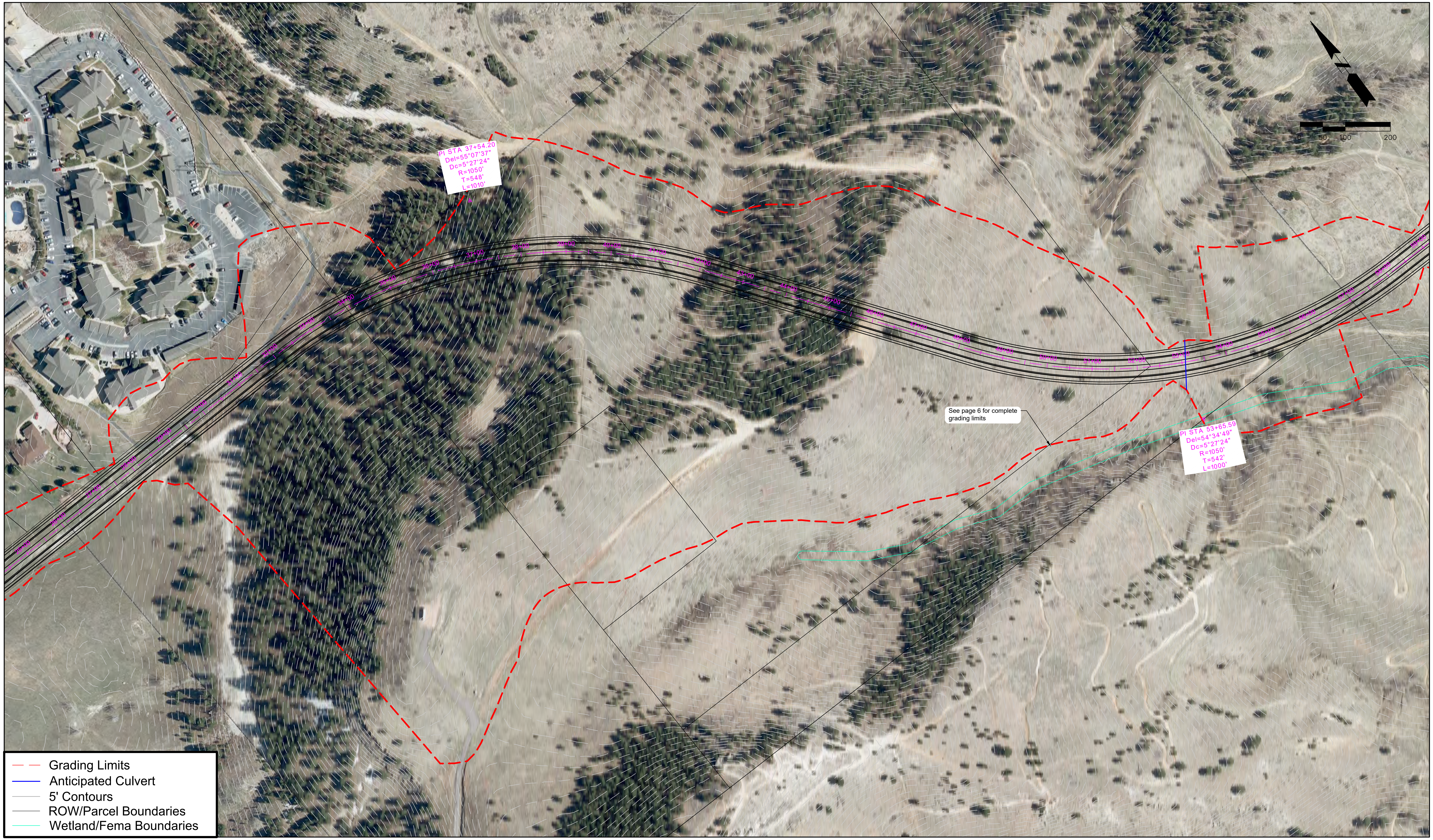
Anamosa Street

I-190 to Commerce Rd

SHEET



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Anamosa Street

I-190 to Commerce Rd

Bethpage Drive

Western Terminus to Sheridan Lake Road

Segment ID: 27

Classification: Collector

Corridor Length: 8,885 FT

Estimated Quantities

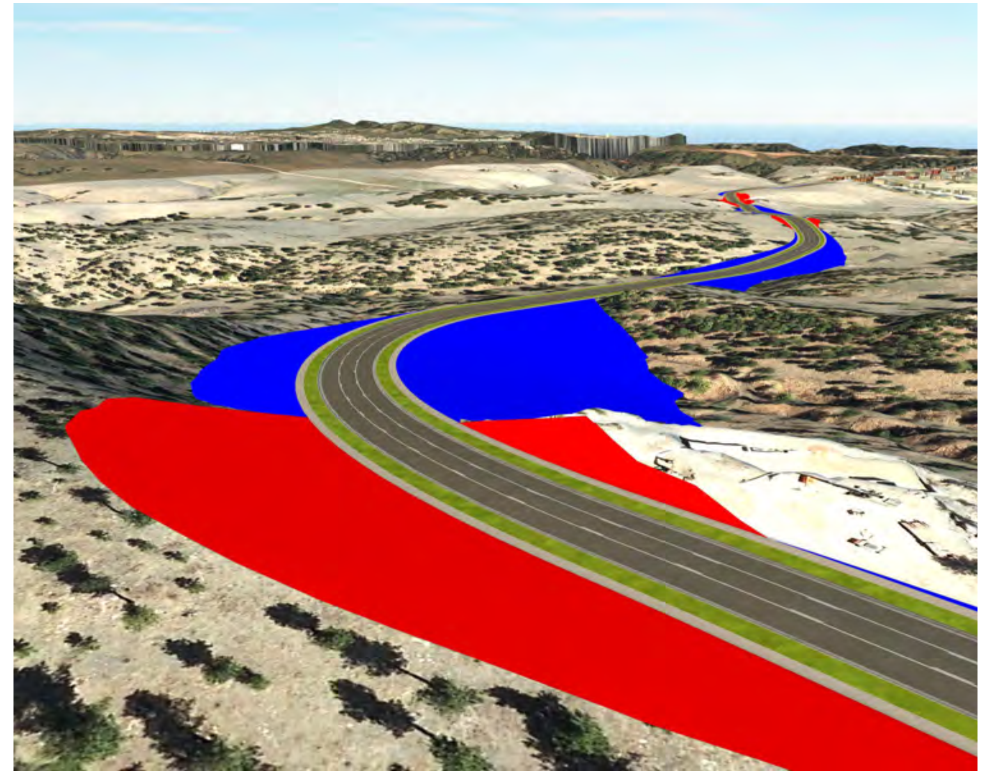
Road Surface: 31,592 SY

Earthwork Cut (Red): 72,507 CY

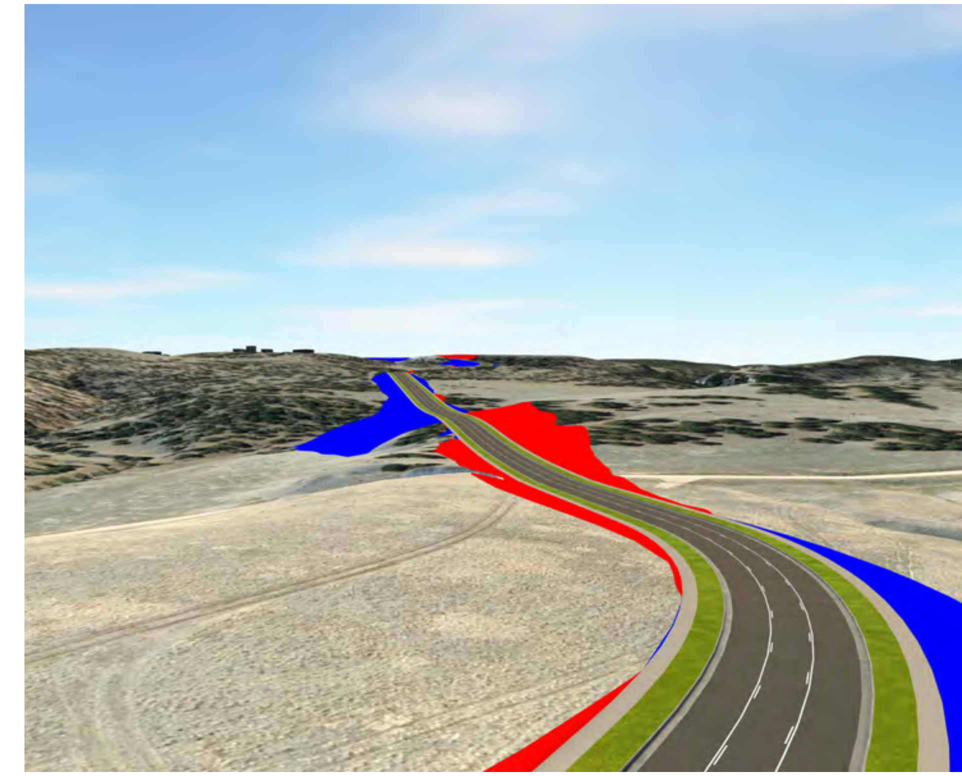
Earthwork Fill (Blue): 814,509 CY

Segment Considerations:

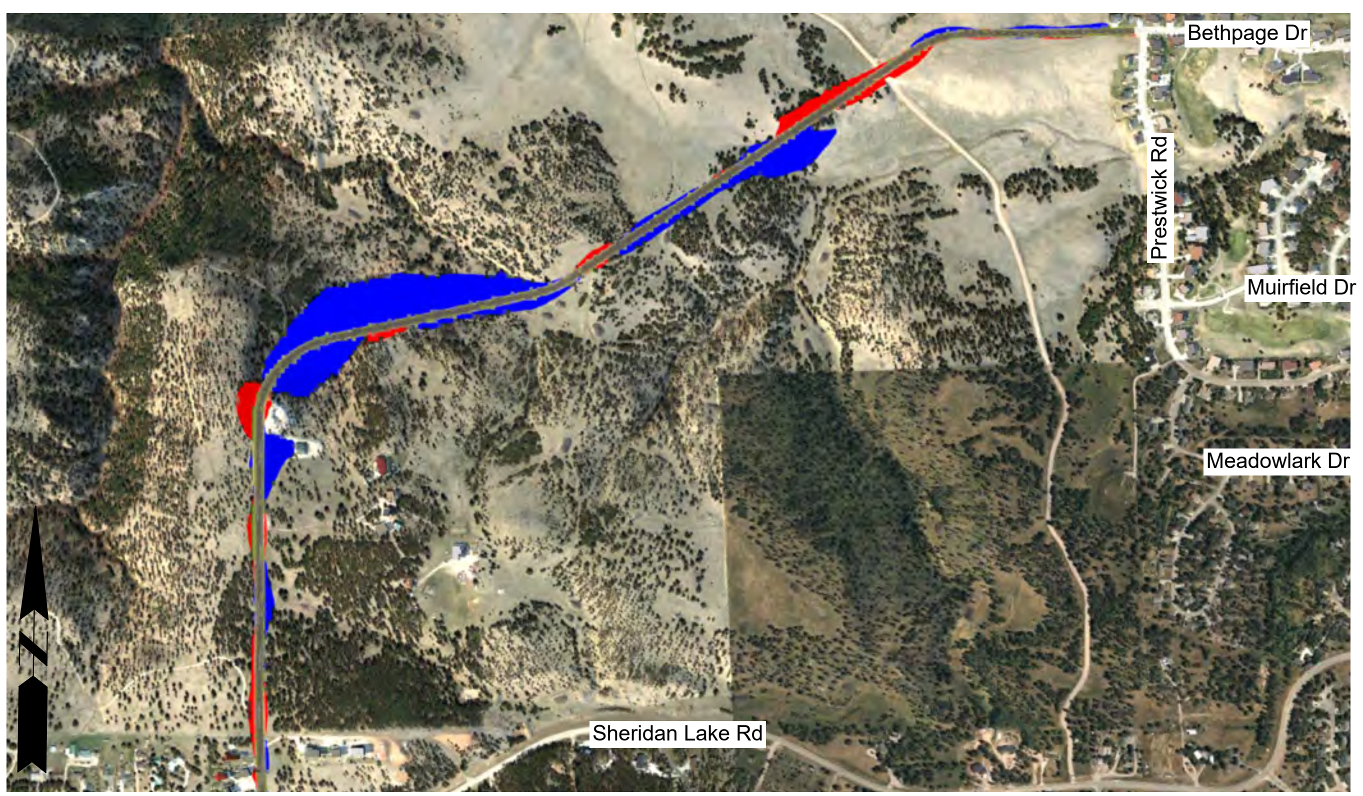
- Proposed profile at Sheridan Lake Road connection is shown to match existing road grade to minimize existing property impacts. Grade exceeds maximum criteria by 1% (11%). Proposed north-south portion follows section line (with USFS property on west) and could be shifted east to allow development on either side of proposed collector.
- Design speed – 35 MPH.



Isometric looking northeast at station 26+00

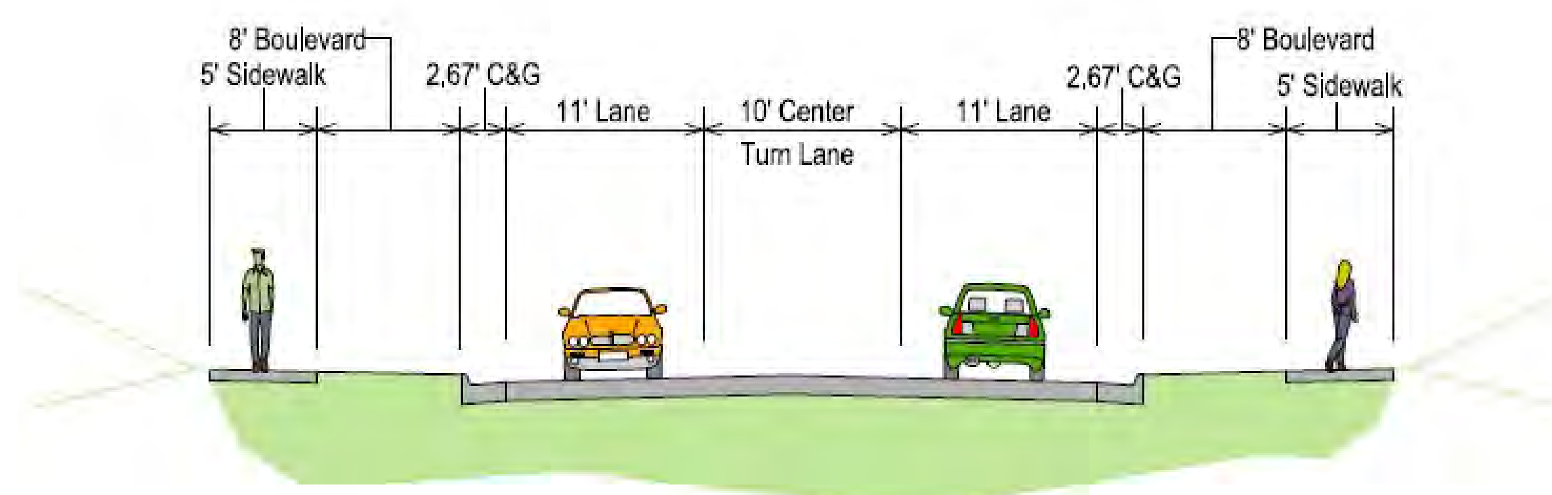


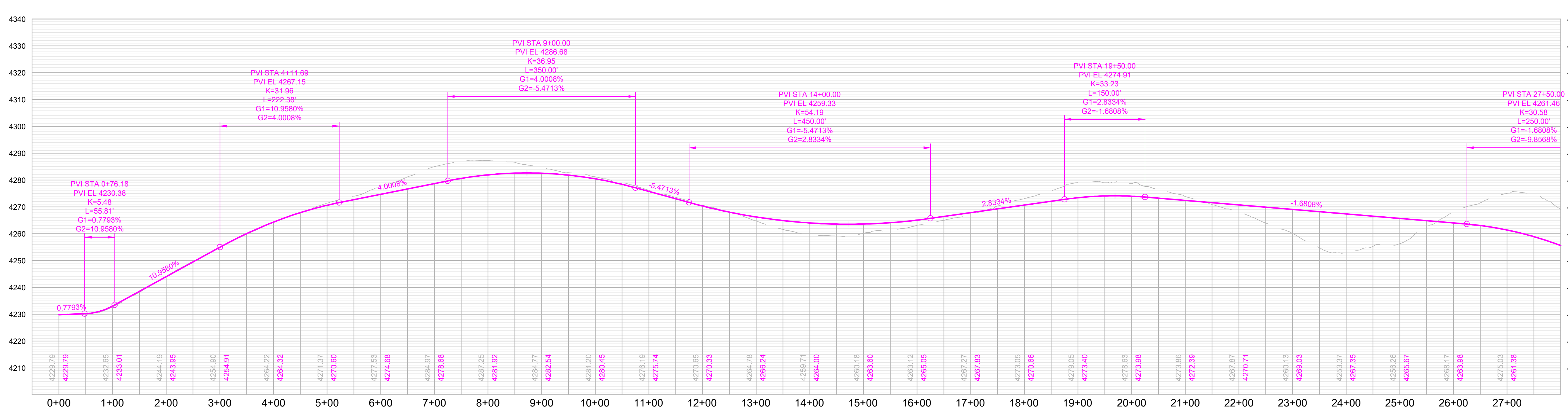
Isometric looking southwest at station 79+00



Segment Overview

Proposed Typical Section
3 Lane Collector



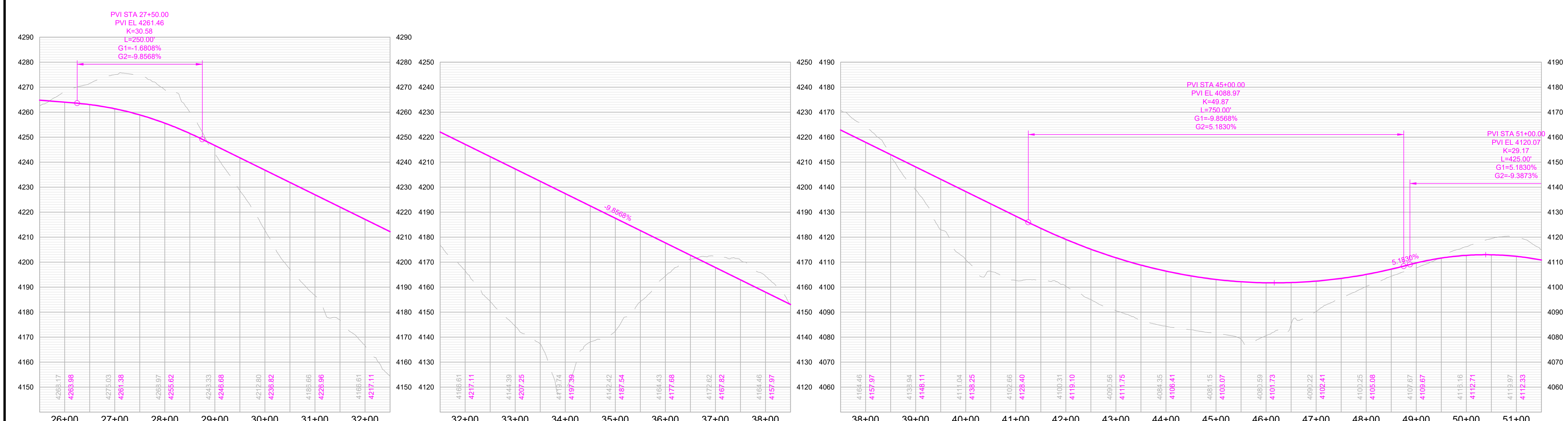


Bethpage Drive

Western Terminus to Sheridan Lake Rd

RAPID CITY AREA Metropolitan Planning Organization

SHEET



Bethpage Drive

Western Terminus to Sheridan Lake Rd

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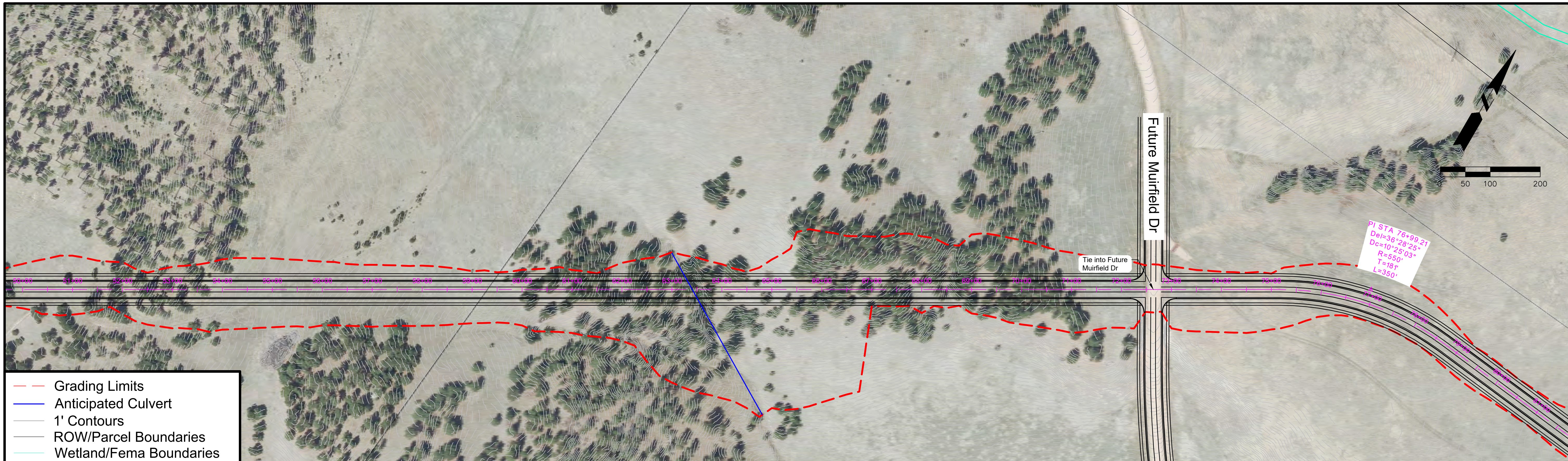
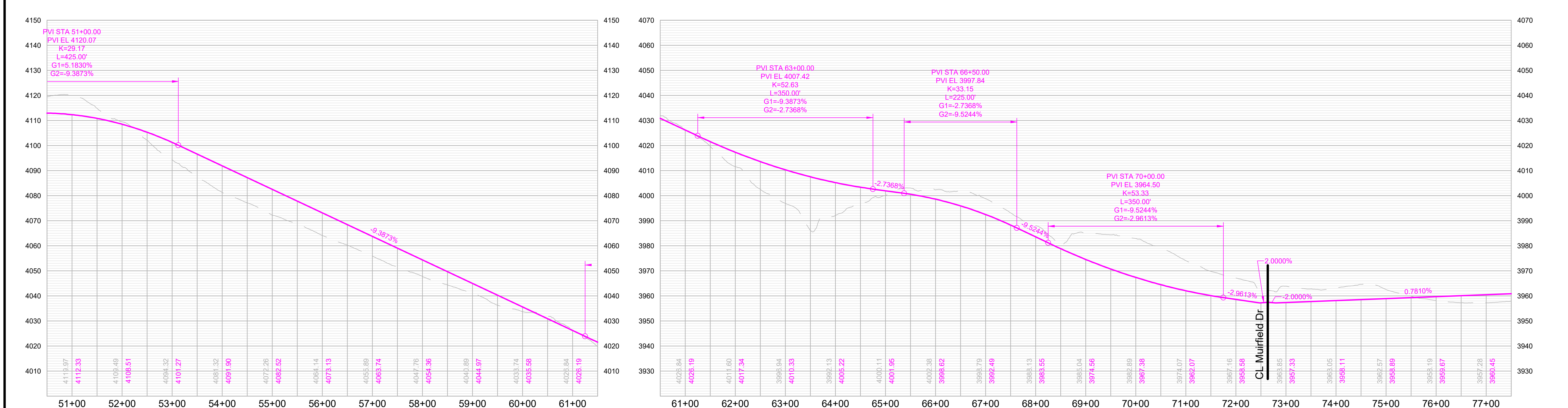
SHEET





Bethpage Drive

Western Terminus to Sheridan Lake Rd

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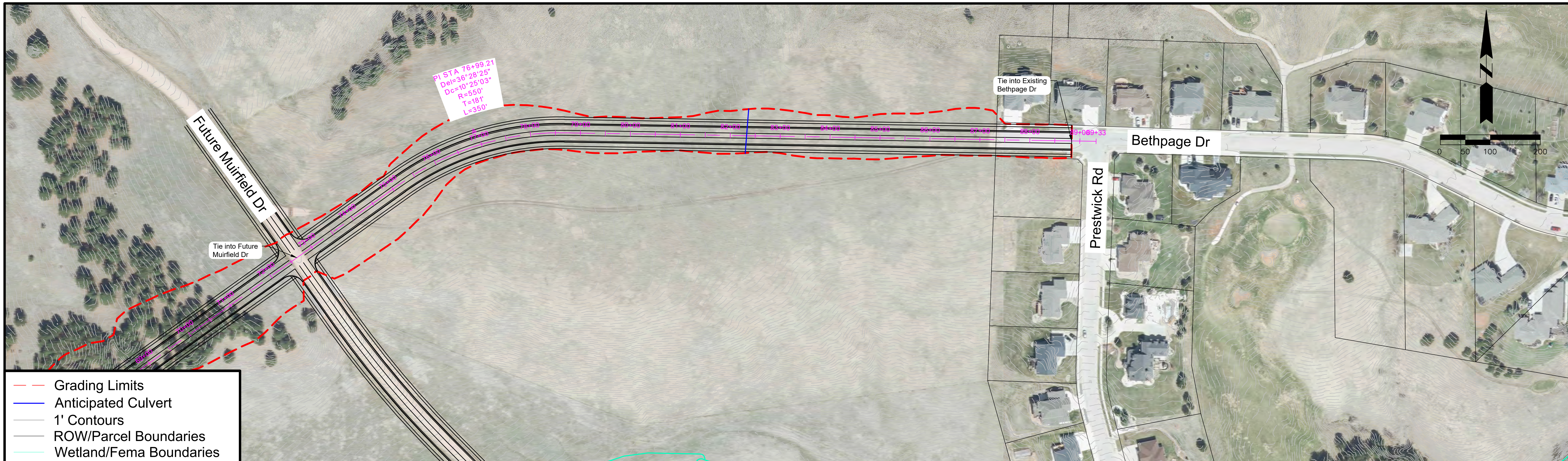
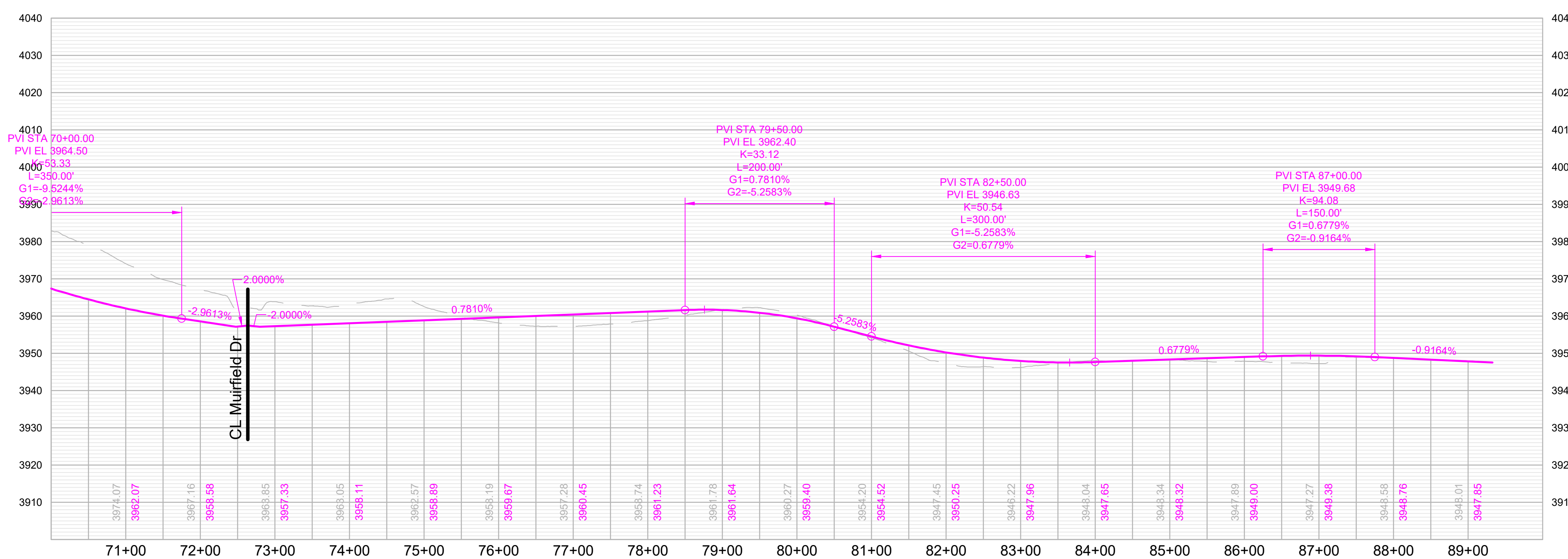




RAPID CITY AREA Metropolitan Planning Organization

Bethpage Drive

Western Terminus to Sheridan Lake Rd

SHEET

4 of 4

Muirfield Drive

Western Terminus to Prestwick Road

Classification: Collector

Corridor Length: 3,100 FT

Estimated Quantities

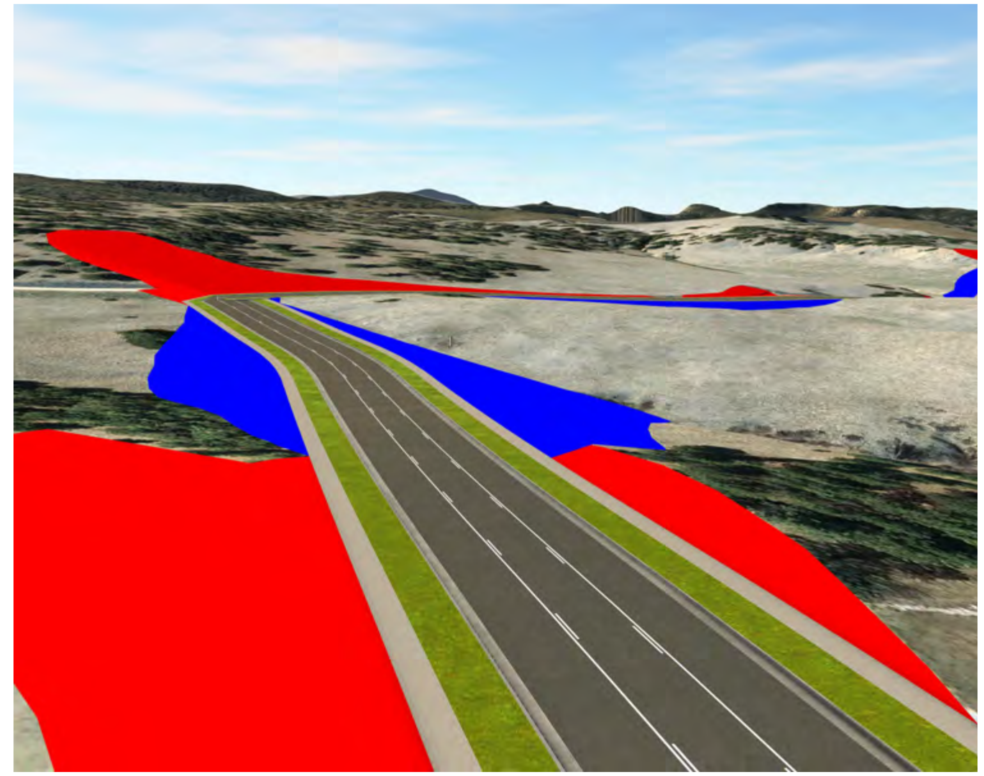
Road Surface: 11,023 SY

Earthwork Cut (Red): 31,831 CY

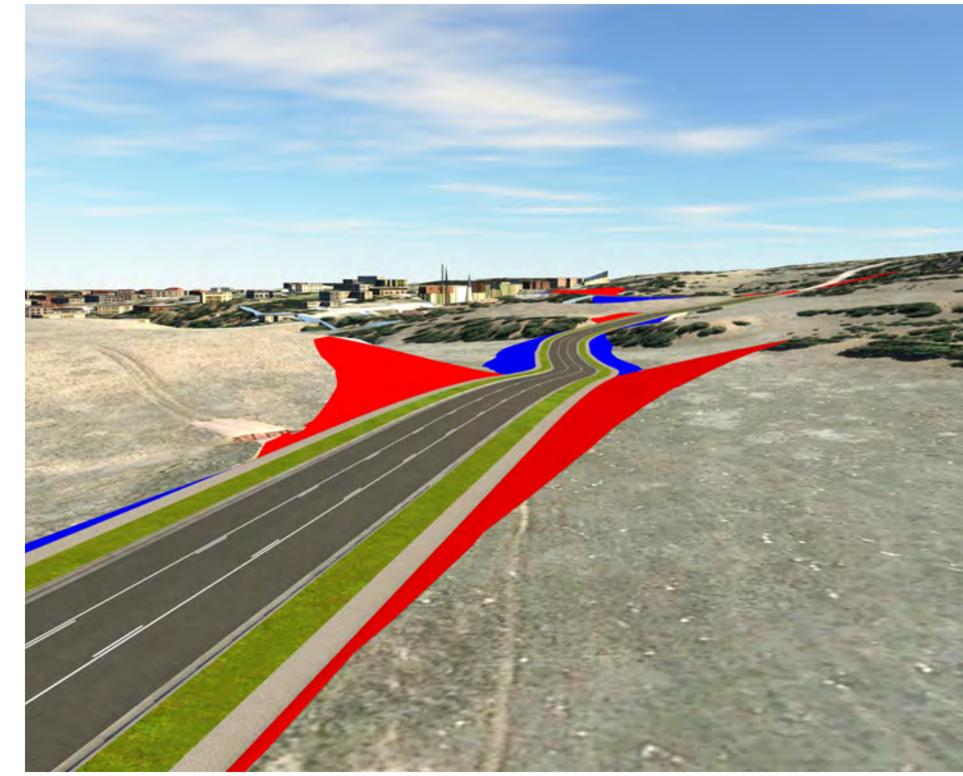
Earthwork Fill (Blue): 67,057 CY

Segment Considerations:

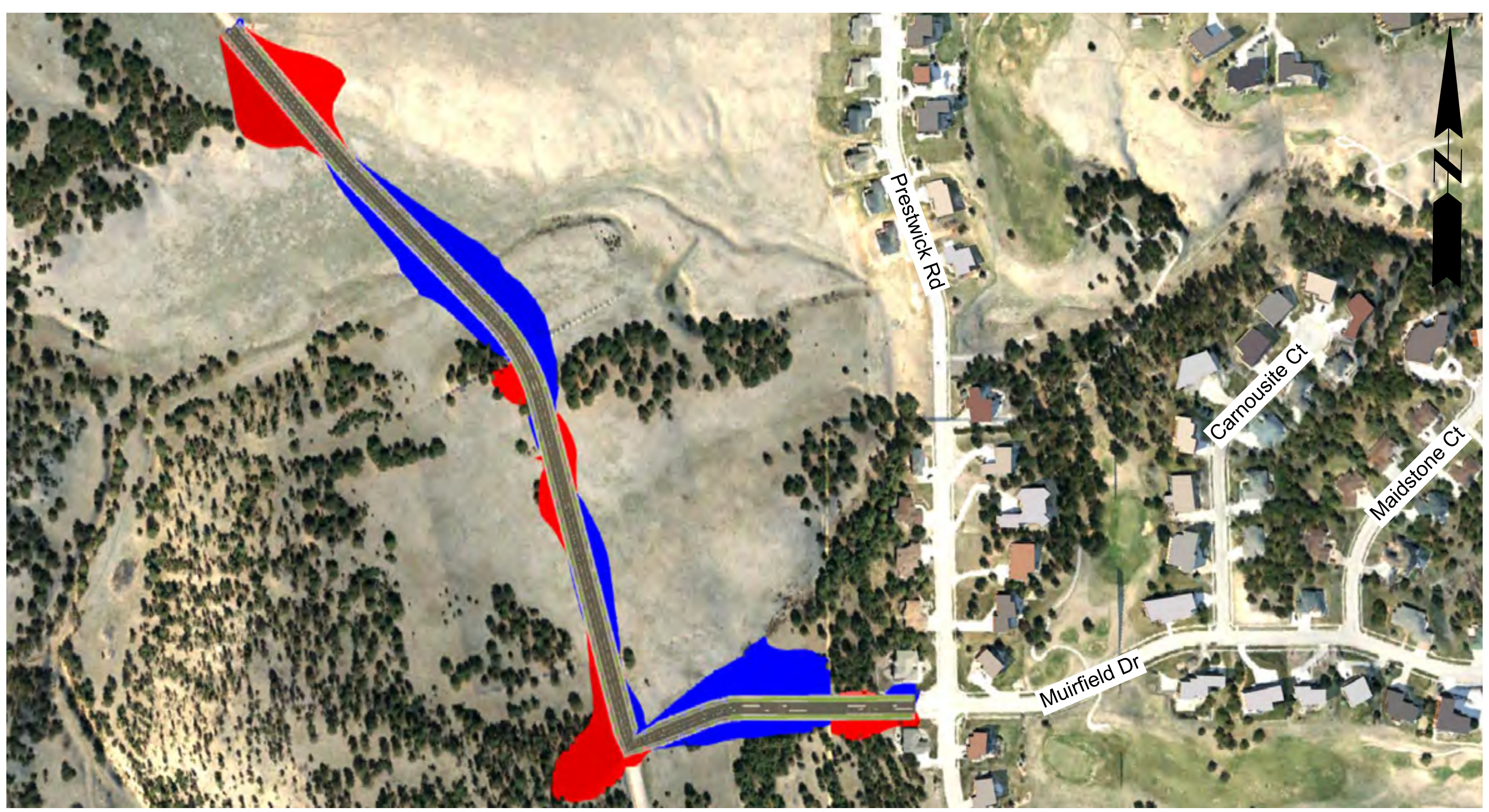
- Design speed – 35 MPH.



Isometric looking west at station 31+00



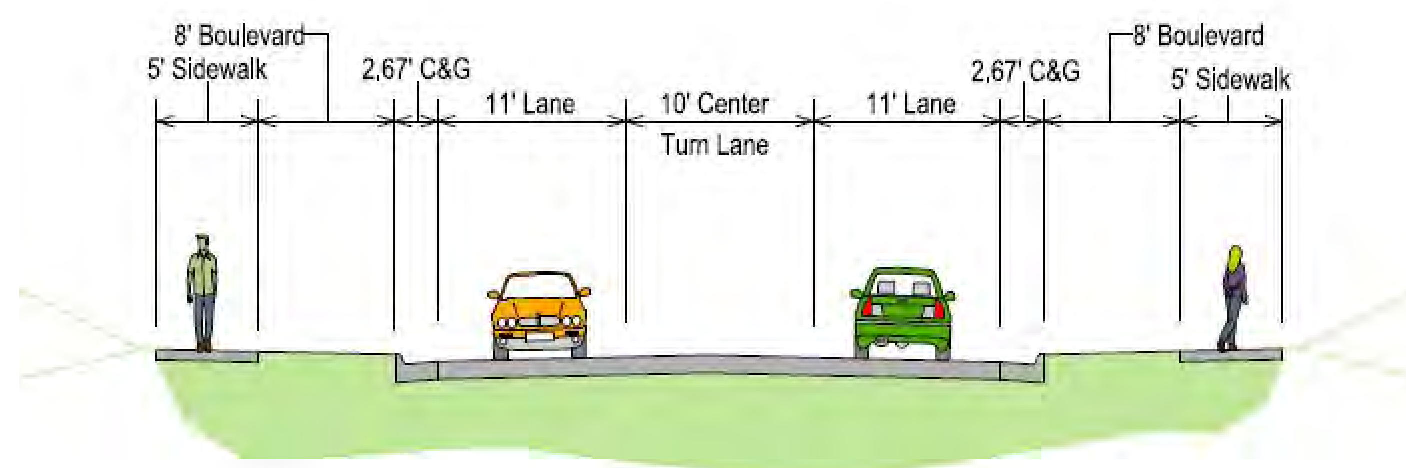
Isometric looking southeast at station 2+00

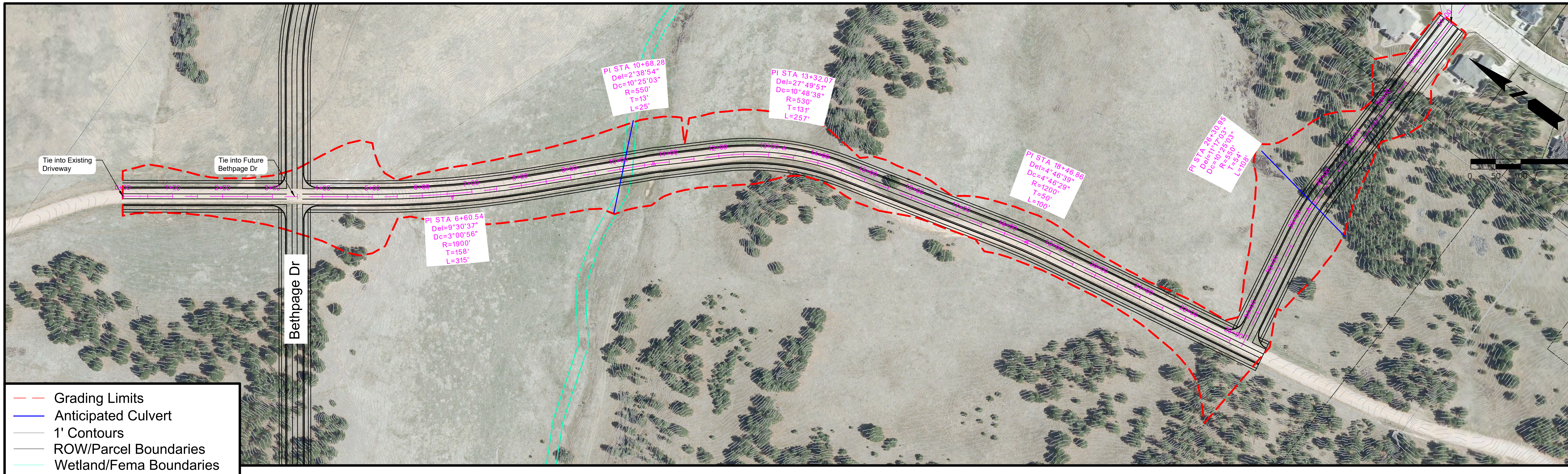


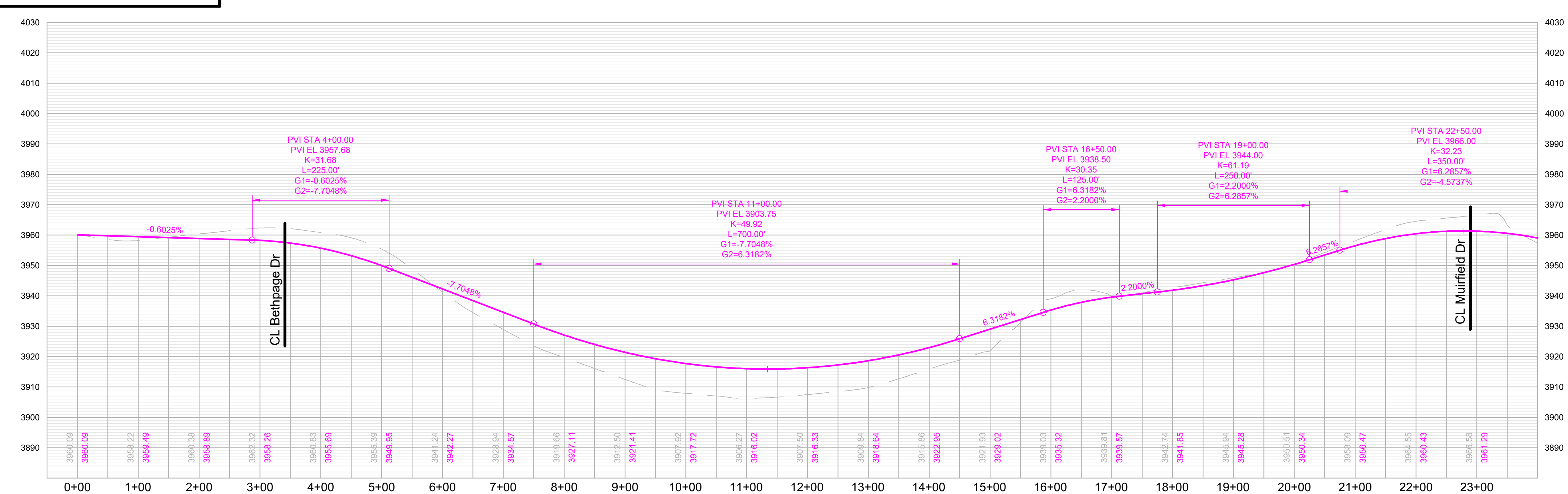
Segment Overview

Proposed Typical Section

3 Lane Collector





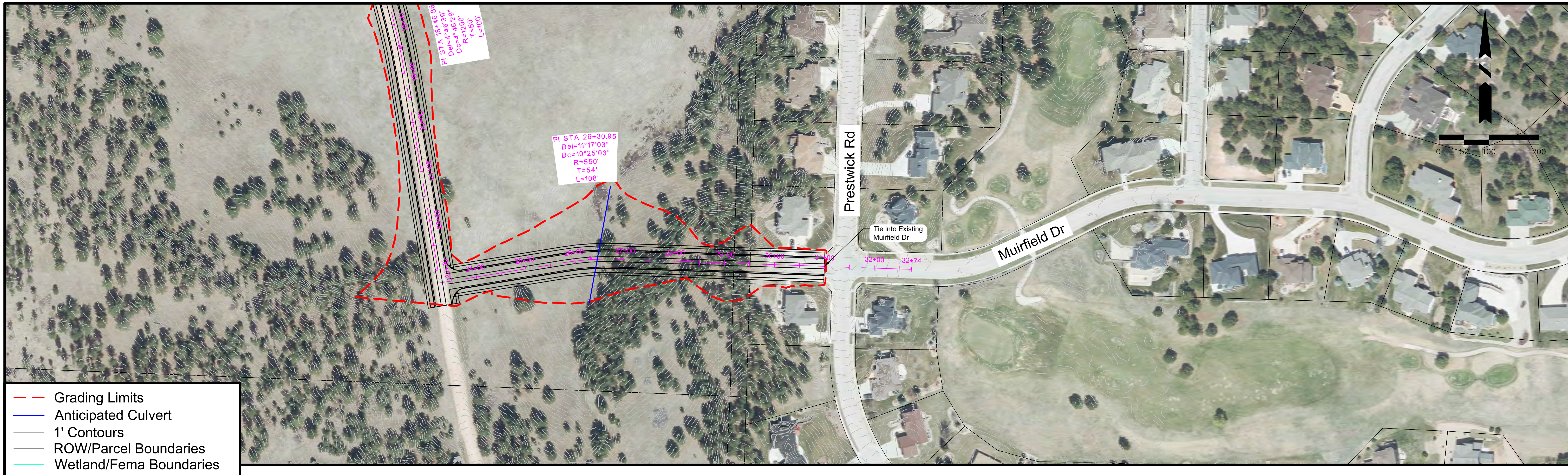


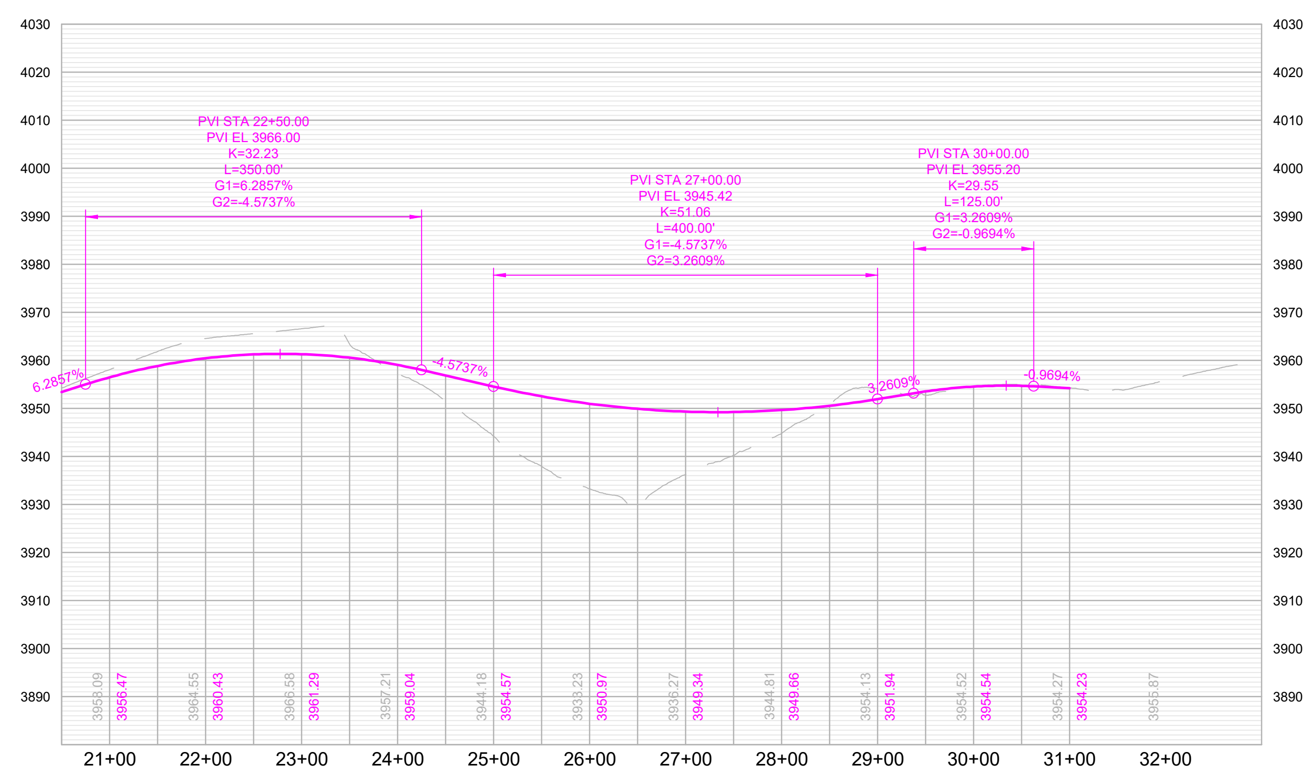
Muirfield Drive

Western Terminus to Prestwick Rd

SHEET

1 of 2





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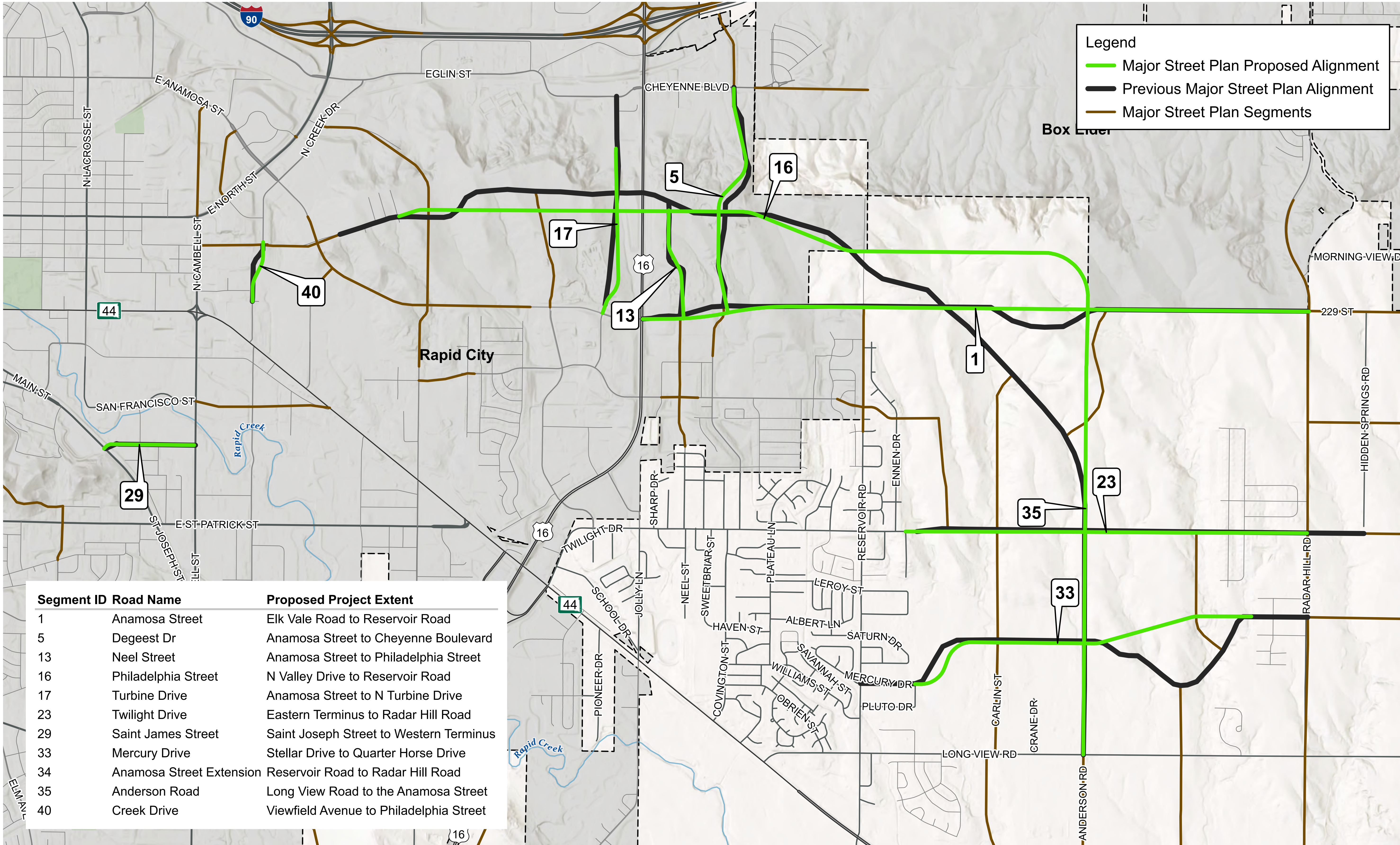
Muirfield Drive

Western Terminus to Prestwick Rd

SHEET

2 of 2

Eastern Growth Area



Segment ID	Road Name	Proposed Project Extent
1	Anamosa Street	Elk Vale Road to Reservoir Road
5	Degeest Dr	Anamosa Street to Cheyenne Boulevard
13	Neel Street	Anamosa Street to Philadelphia Street
16	Philadelphia Street	N Valley Drive to Reservoir Road
17	Turbine Drive	Anamosa Street to N Turbine Drive
23	Twilight Drive	Eastern Terminus to Radar Hill Road
29	Saint James Street	Saint Joseph Street to Western Terminus
33	Mercury Drive	Stellar Drive to Quarter Horse Drive
34	Anamosa Street Extension	Reservoir Road to Radar Hill Road
35	Anderson Road	Long View Road to the Anamosa Street
40	Creek Drive	Viewfield Avenue to Philadelphia Street

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STREET PLAN PROPOSED ALIGNMENTS
EASTERN GROWTH AREA

RAPID CITY, SOUTH DAKOTA

E Anamosa Street

Elk Vale Road to Radar Hill Road

Classification: Principal Arterial

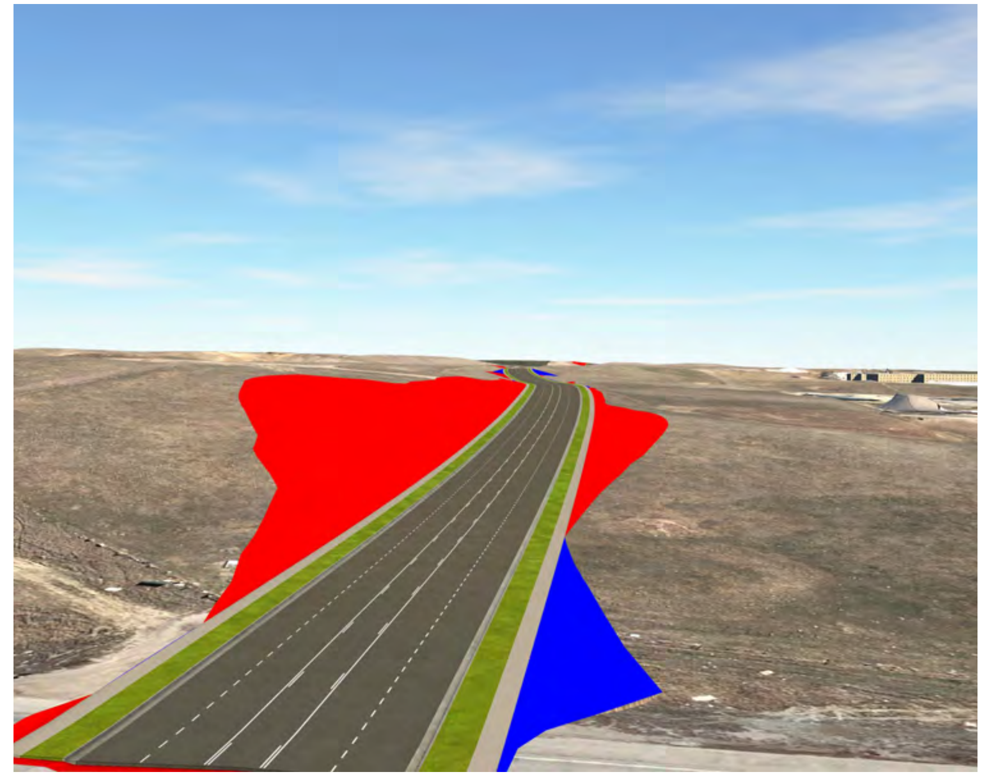
Corridor Length: 15,910 FT

Estimated Quantities

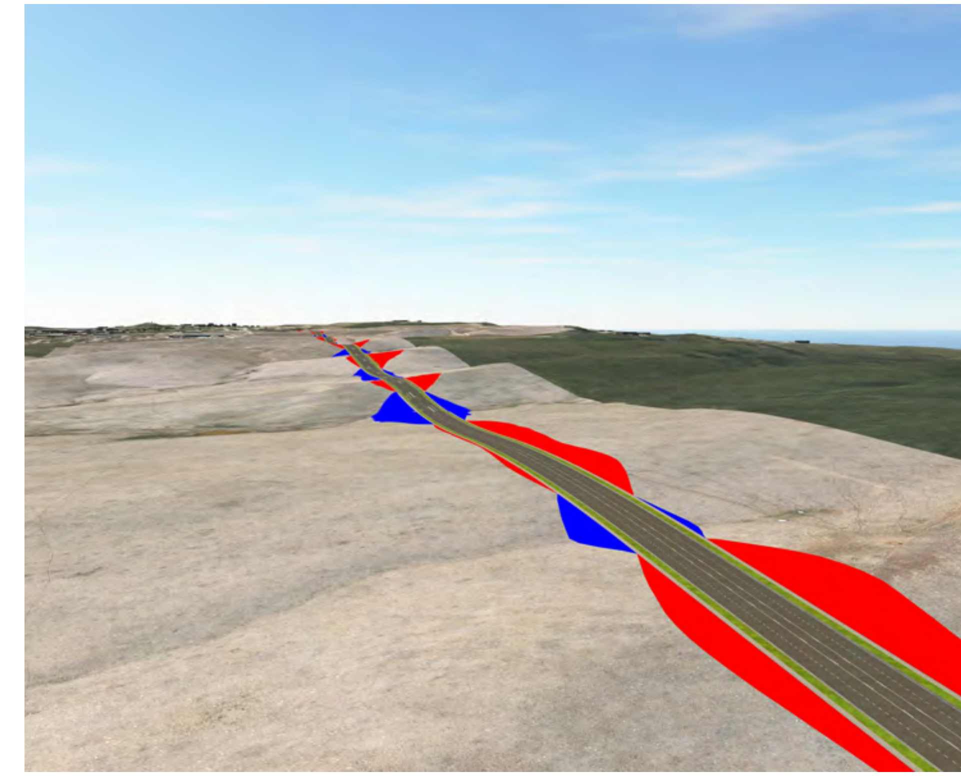
- **Road Surface:** 157,934 SY
- **Earthwork Cut (Red):** 405,392 CY
- **Earthwork Fill (Blue):** 436,061 CY

Segment Considerations:

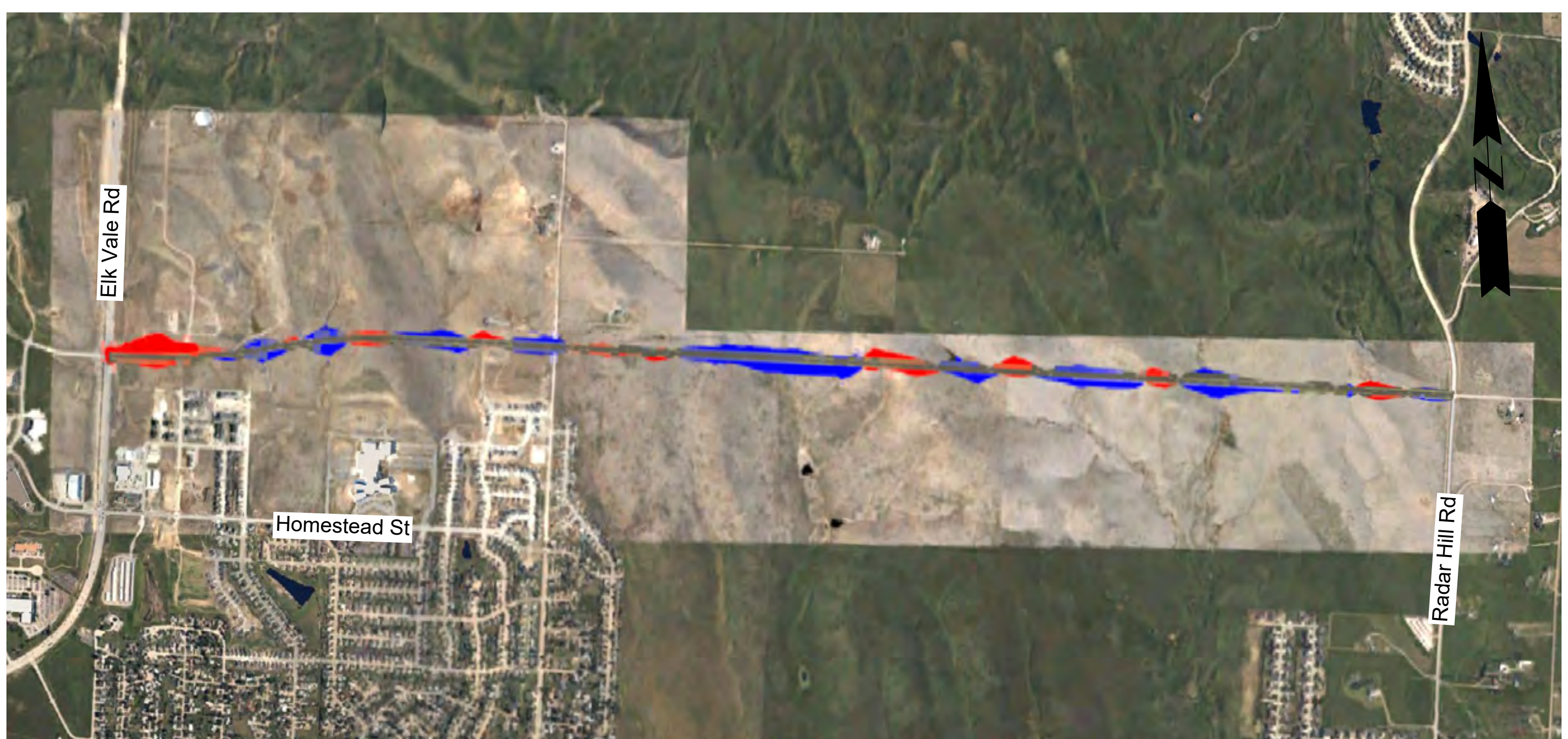
- Design speed – 50 MPH.



Isometric looking east at station 1+00



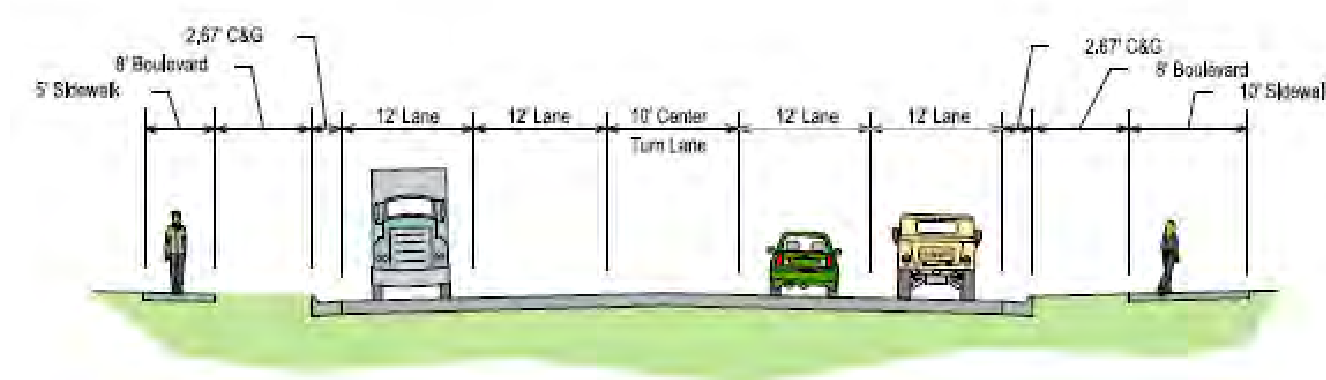
Isometric looking northwest at station 154+00

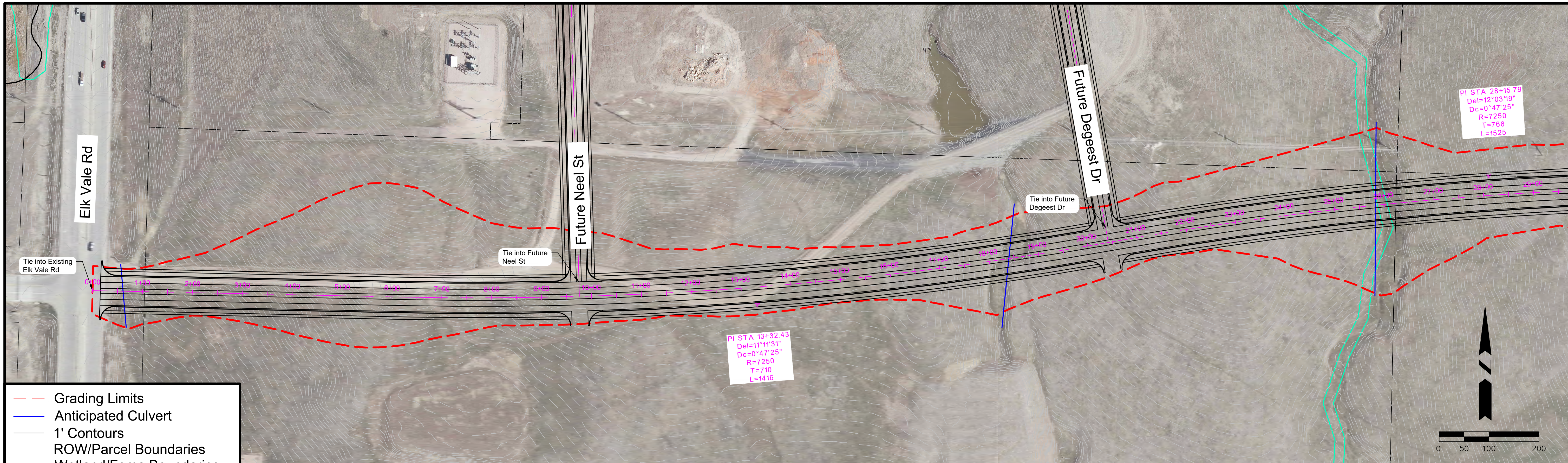


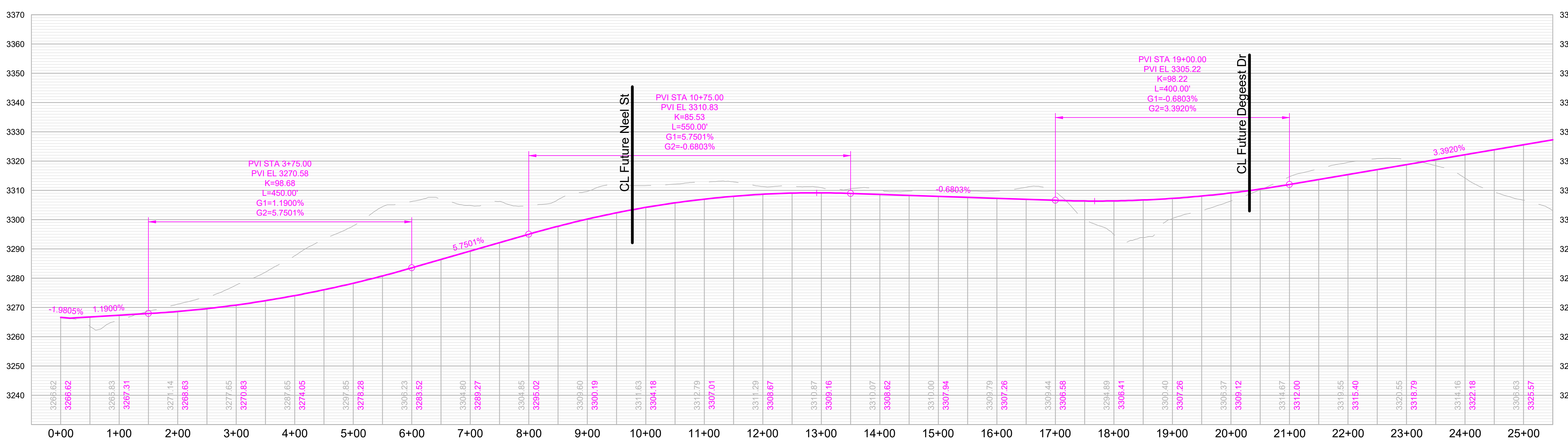
Segment Overview

Proposed Typical Section

5 Lane Principal Arterial







Anamosa Street

Elk Vale Rd to Reservoir Rd

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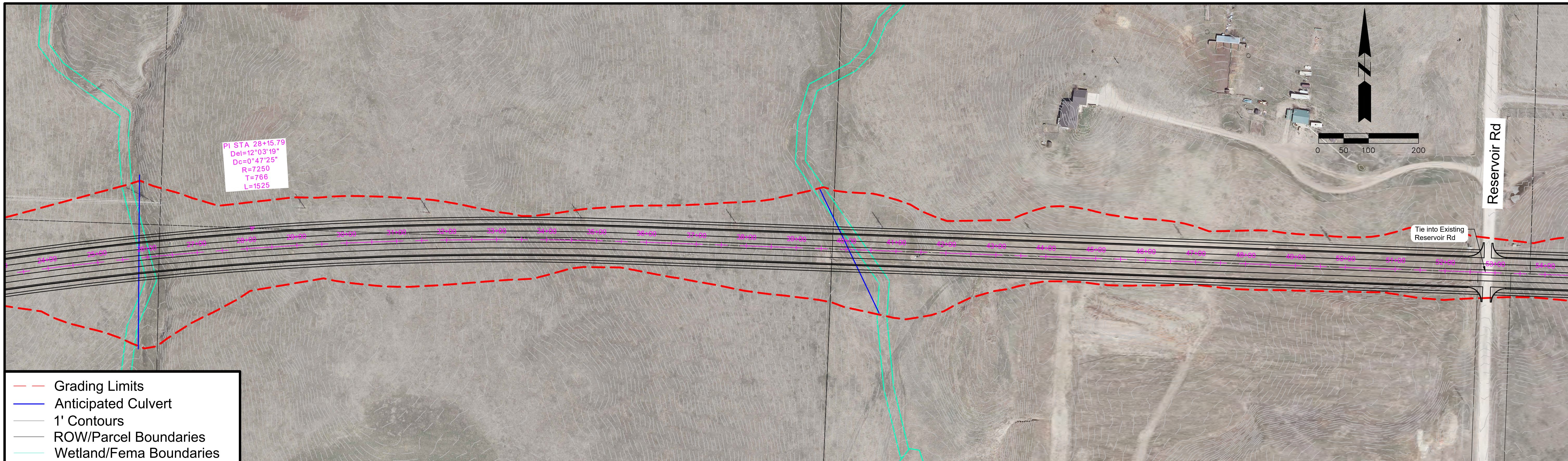

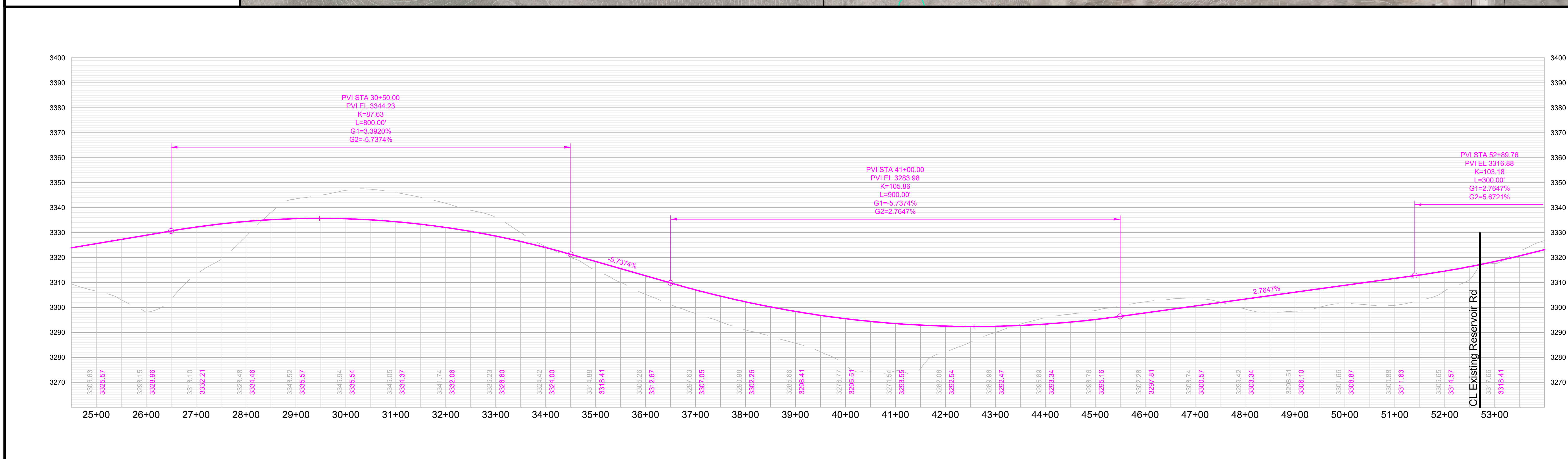

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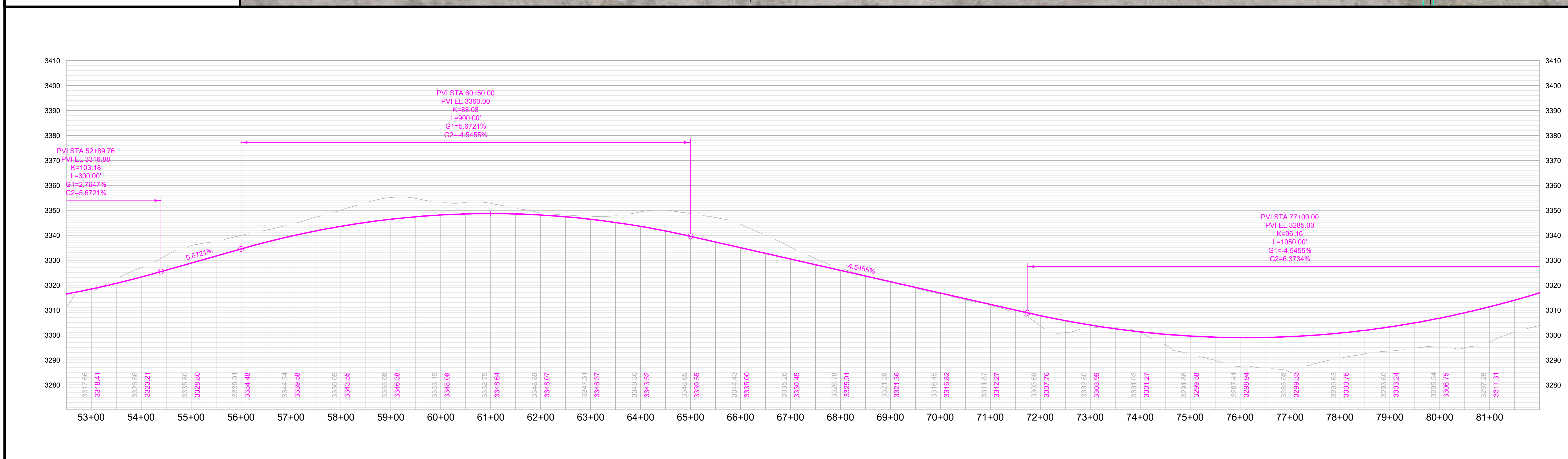
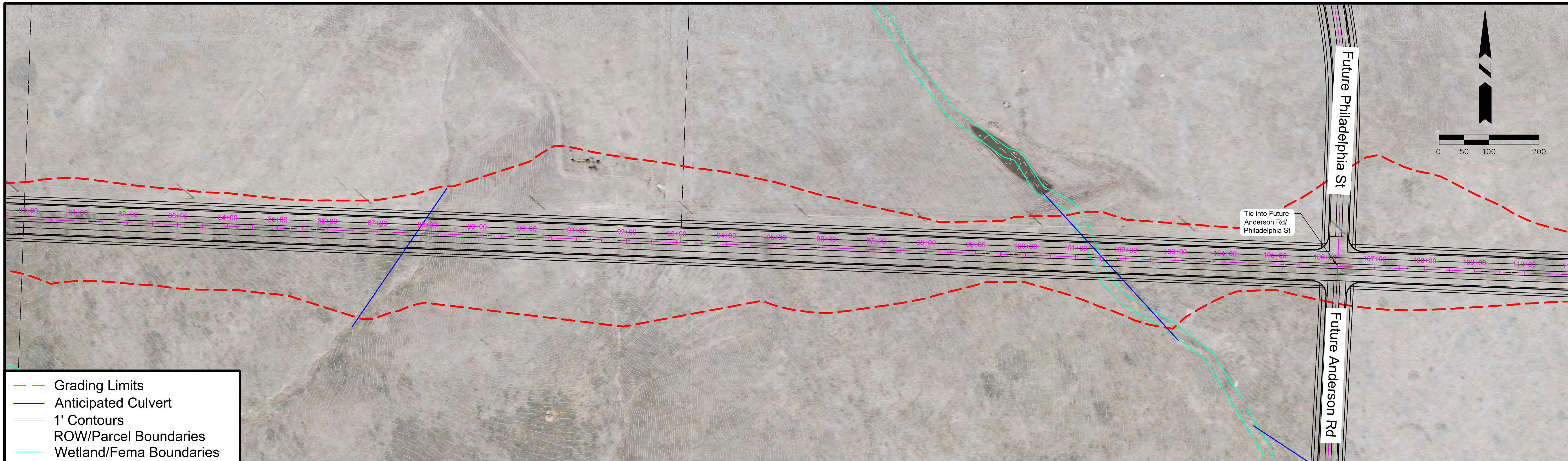
Anamosa Street

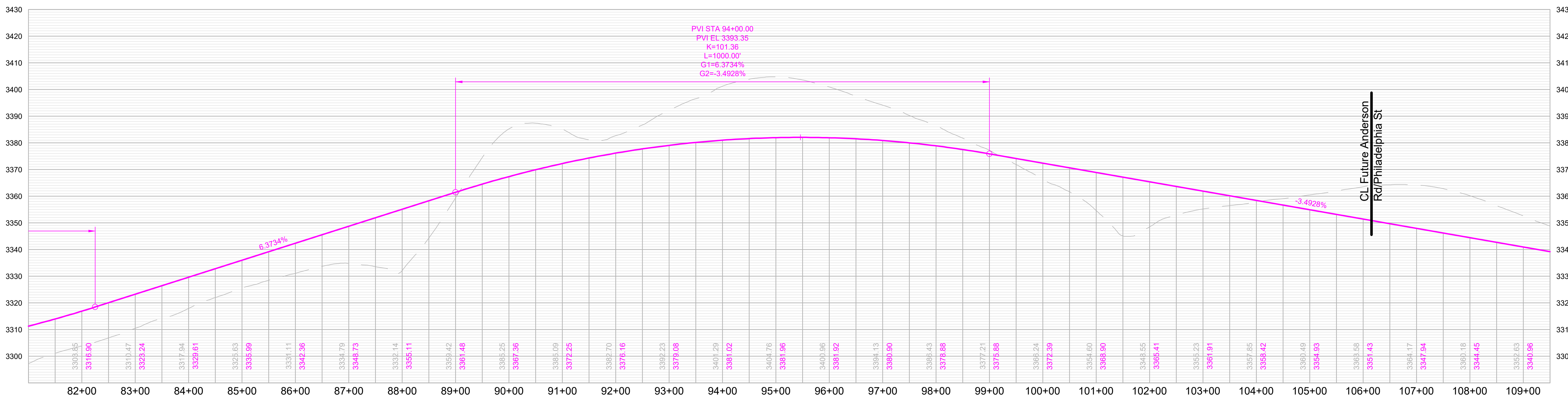
Elk Vale Rd to Reservoir Rd



Anamosa Street

Reservoir Rd to Radar Hill Rd





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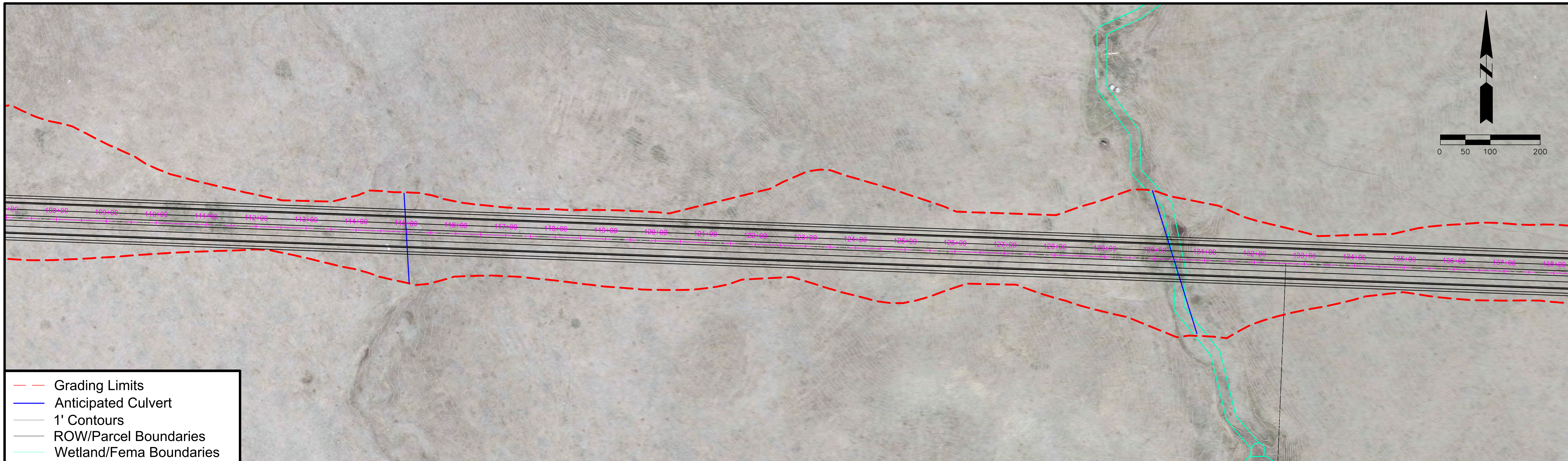
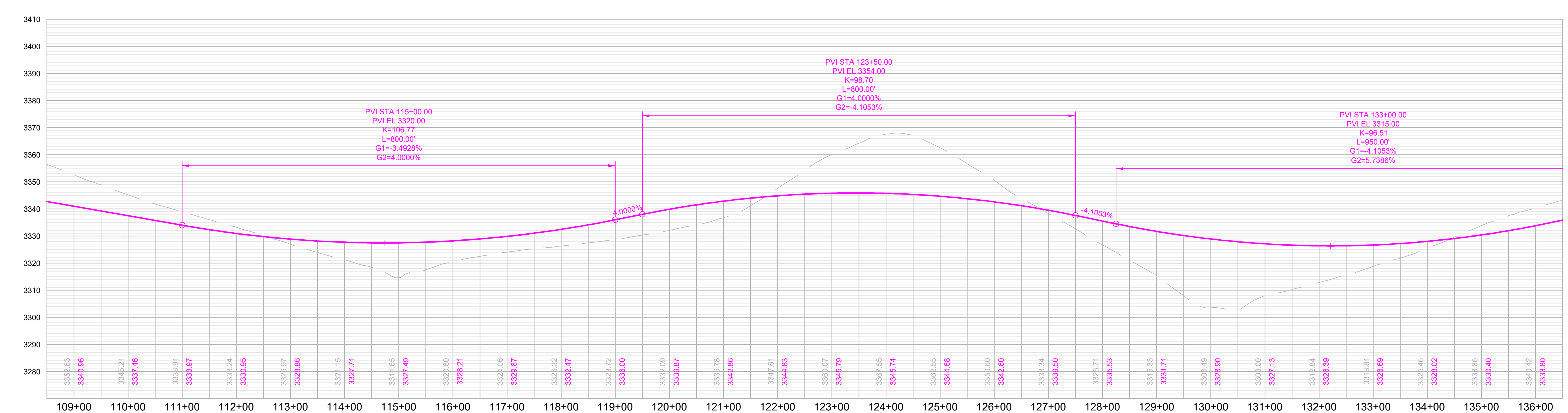
Anamosa Street

Reservoir Rd to Radar Hill Rd





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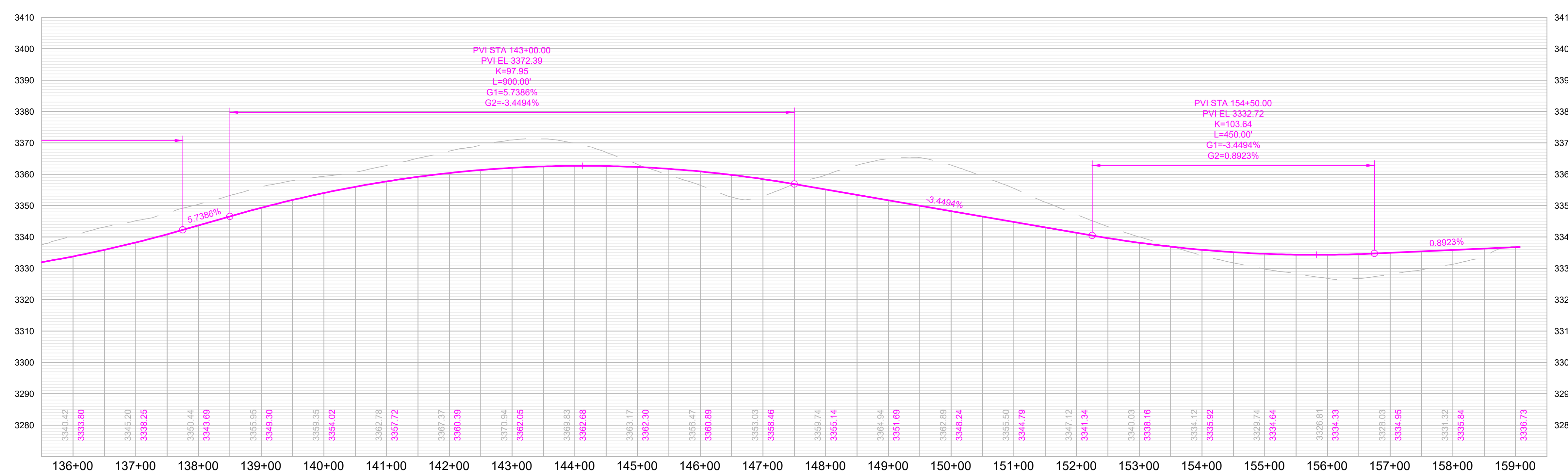
Anamosa Street

Reservoir Rd to Radar Hill Rd

SHEET



Anamosa Street

Reservoir Rd to Radar Hill Rd

Degeest Drive
Anamosa Street to Cheyenne Boulevard

Classification: Collector

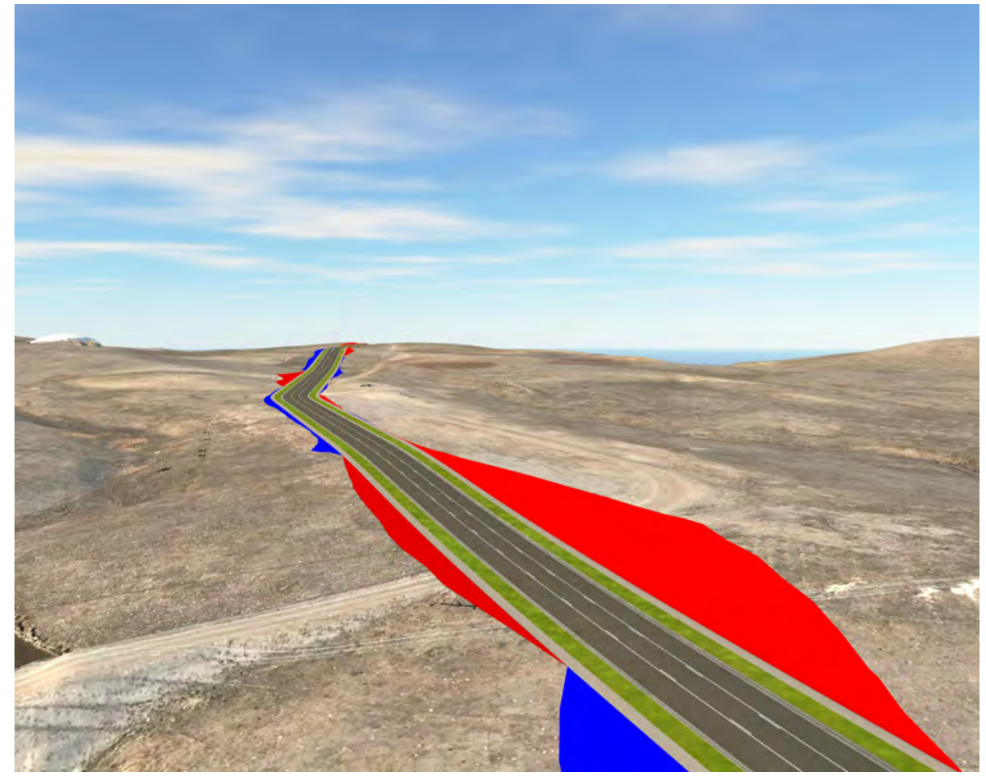
Corridor Length: 5,620 FT

Estimated Quantities

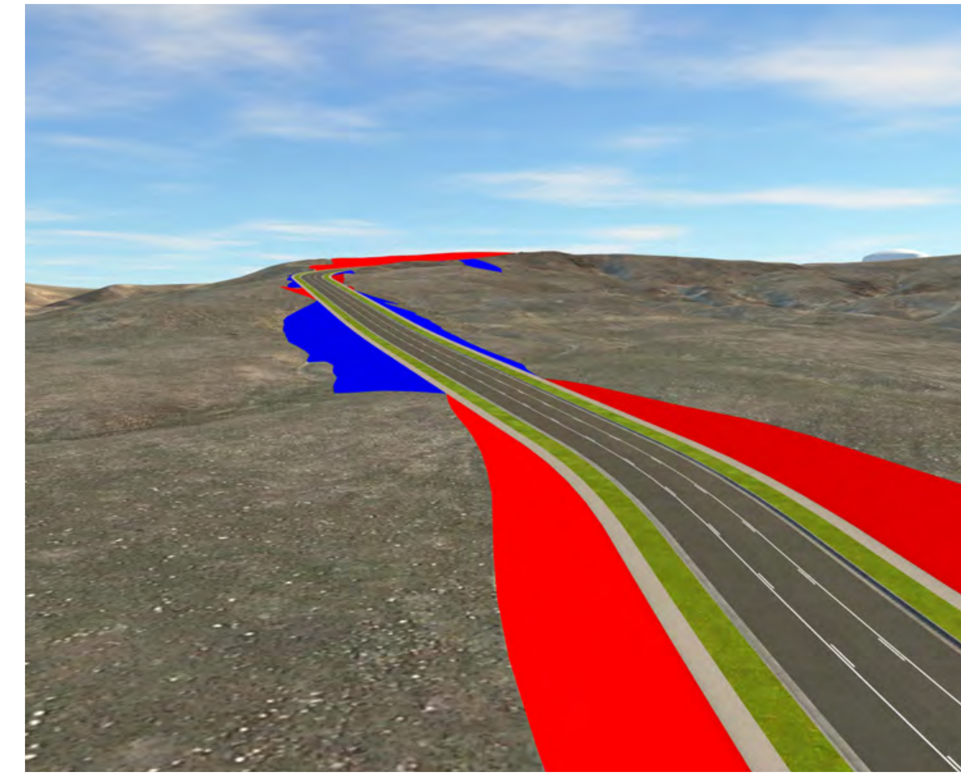
- **Road Surface:** 19,983 SY
- **Earthwork Cut (Red):** 73,559 CY
- **Earthwork Fill (Blue):** 39,532 CY

Segment Considerations:

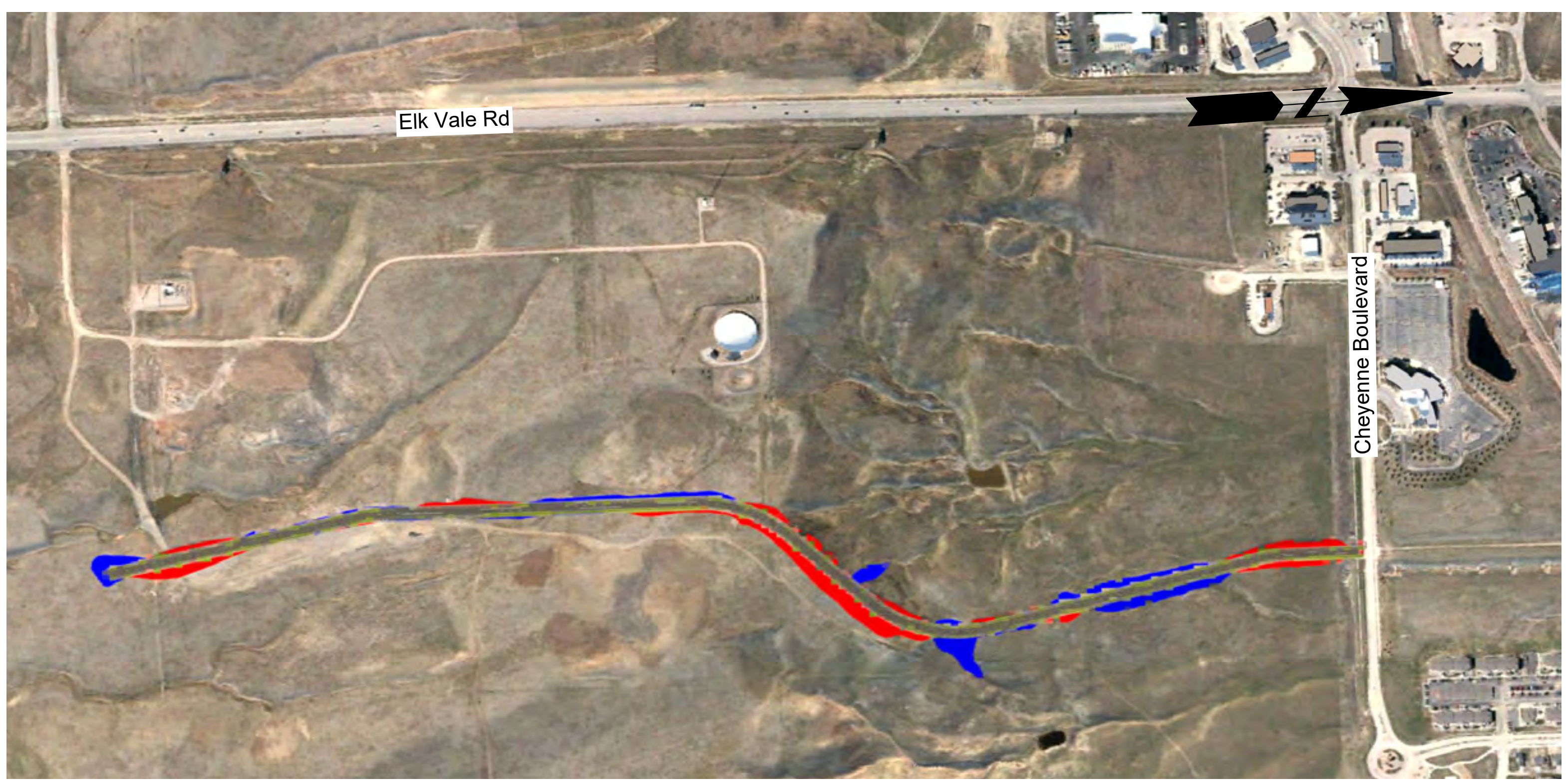
- Connection to the south of Anamosa Street will need further review to connect to existing segment.
- Design speed – 35 MPH.



Isometric looking north at station 2+00

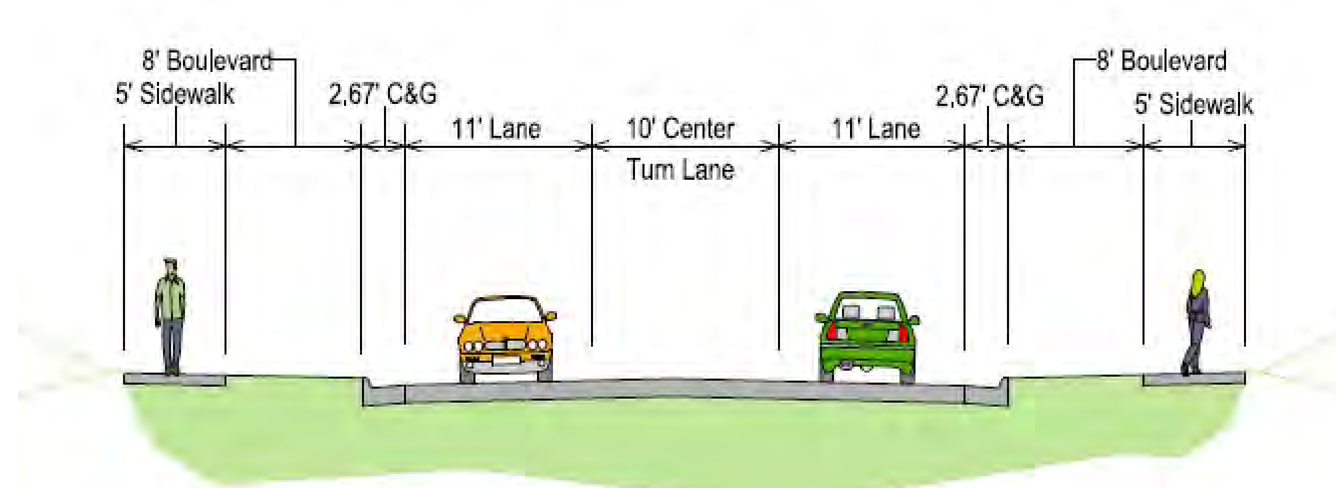


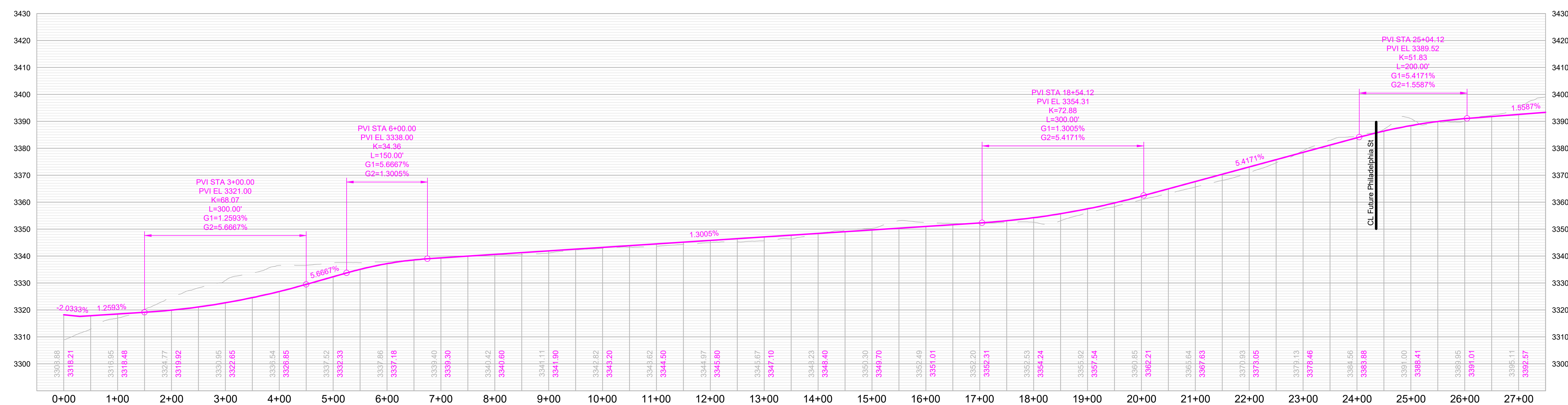
Isometric looking south at station 55+00



Segment Overview

Proposed Typical Section
3 Lane Collector





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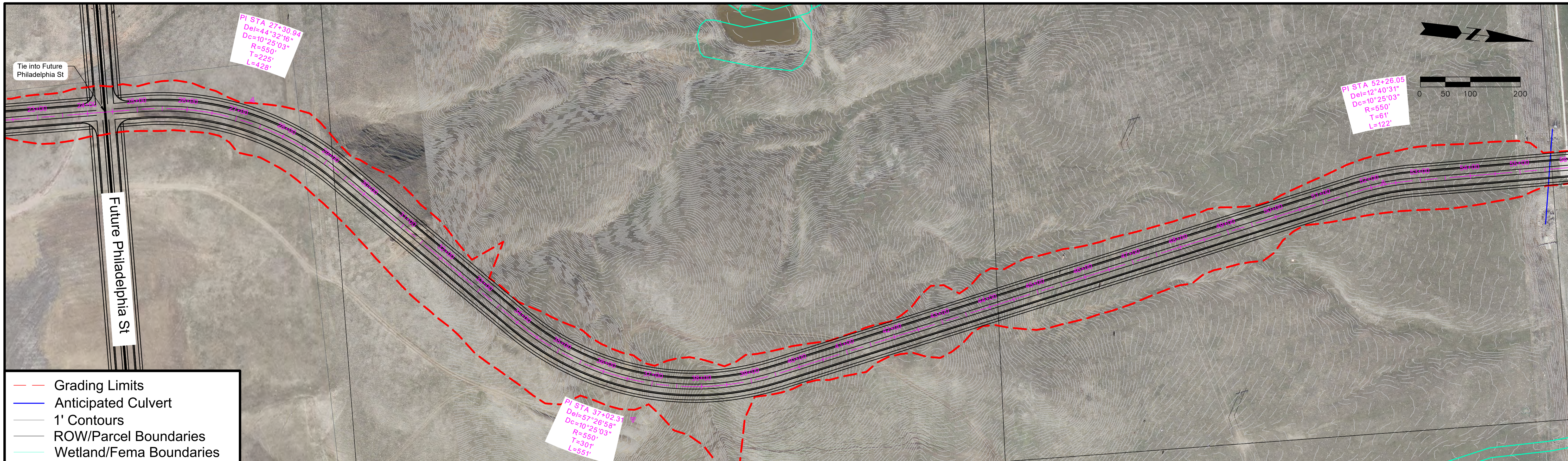
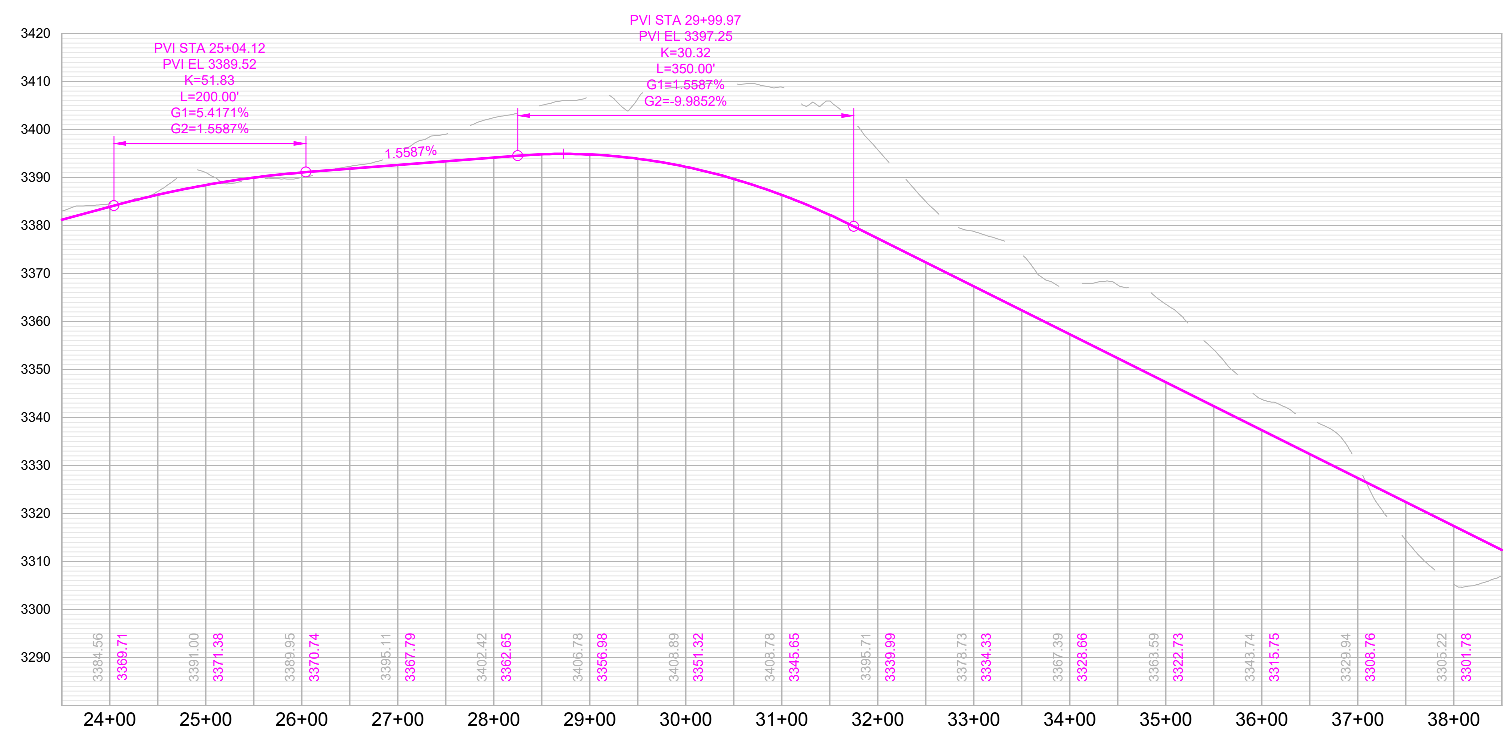
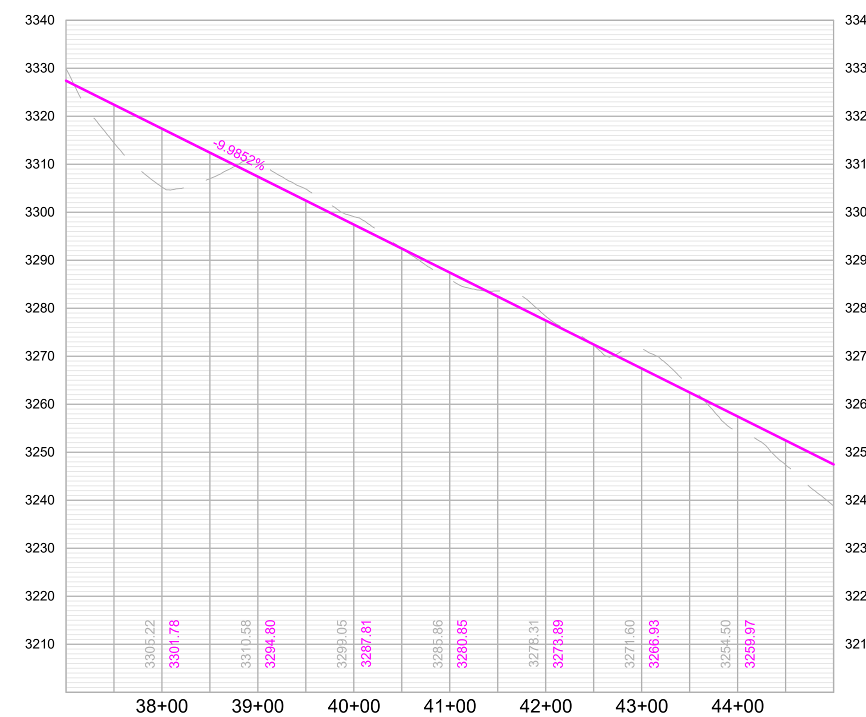
Degeest Drive

Anamosa St to Cheyenne Blvd





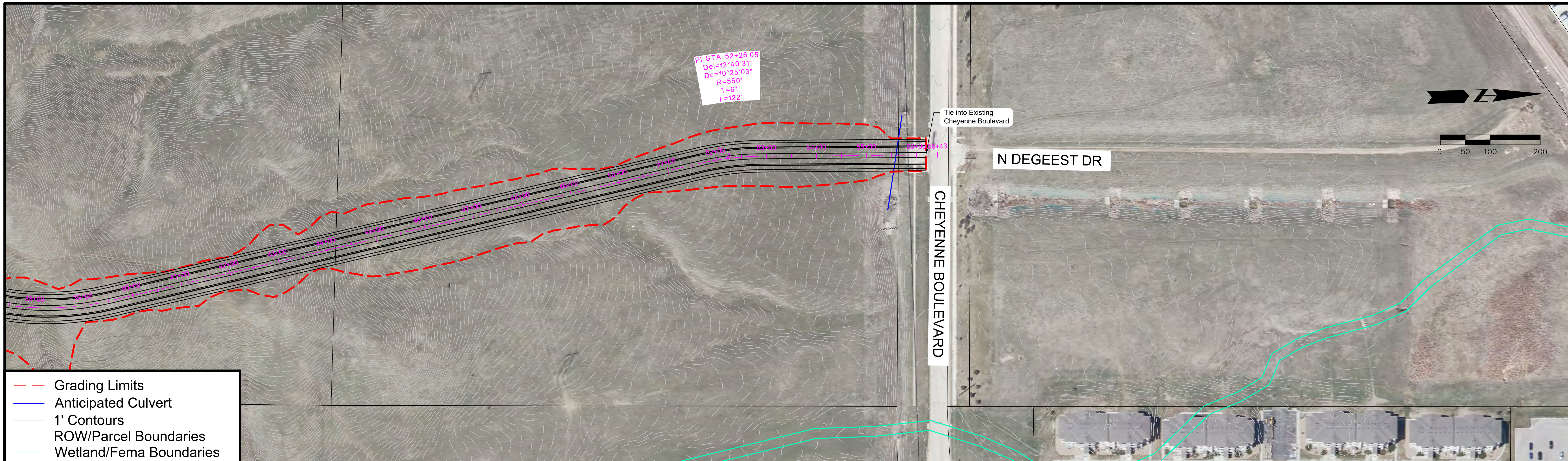


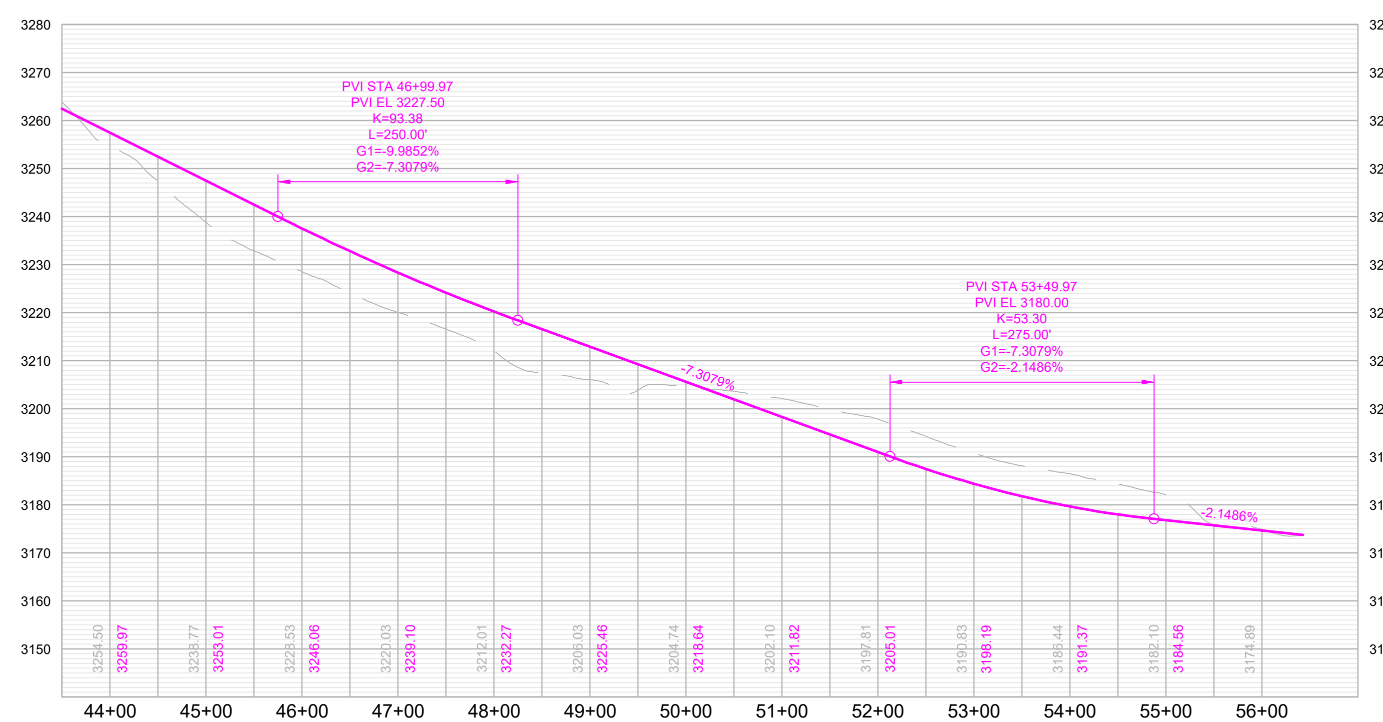
Degeest Drive

Anamosa St to Cheyenne Blvd

SHEET

2 of 3





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Degeest Drive

Anamosa St to Cheyenne Blvd

Neel Street
Anamosa Street to Philadelphia Street

Classification: Collector

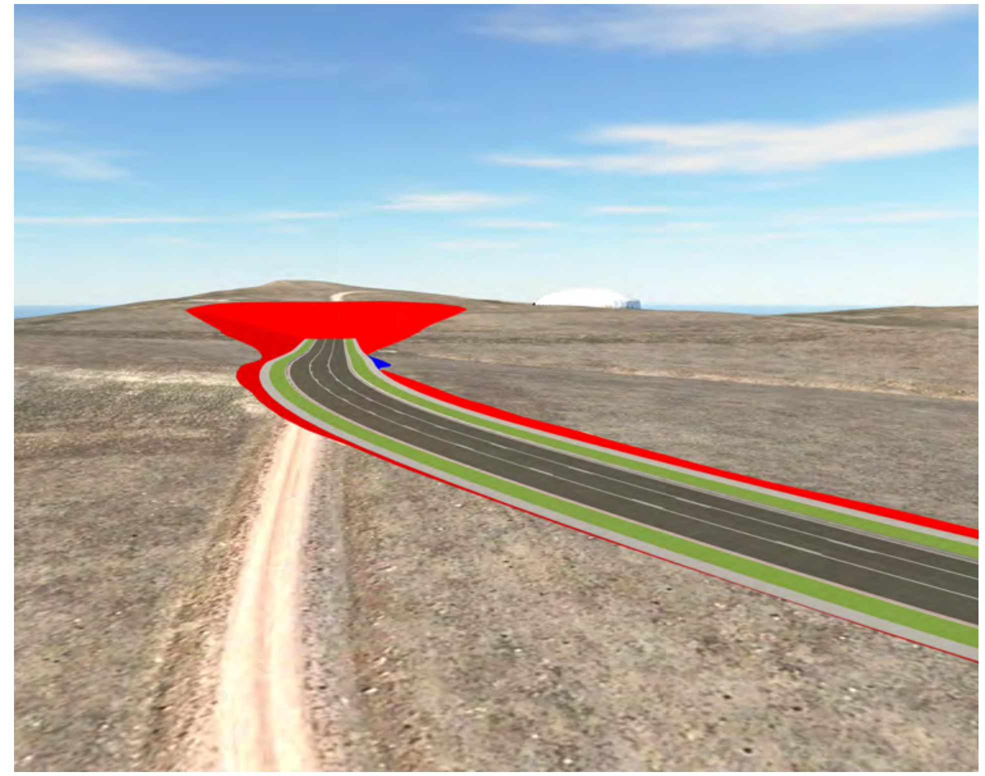
Corridor Length: 2,610 FT

Estimated Quantities

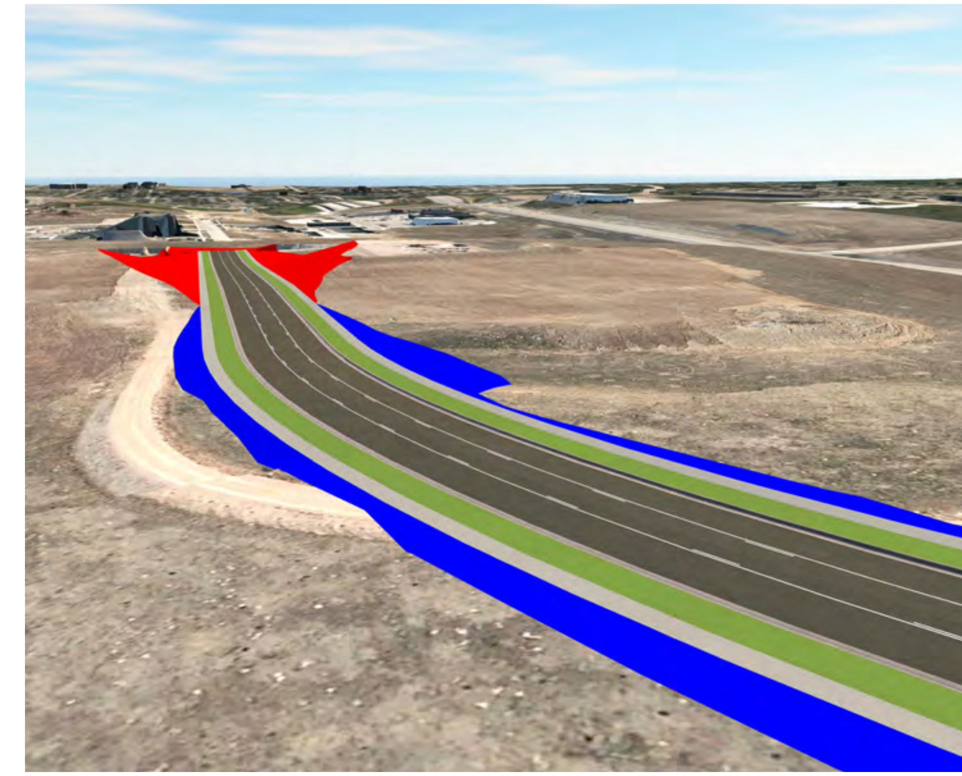
- **Road Surface:** 9,280 SY
- **Earthwork Cut (Red):** 307,978 CY
- **Earthwork Fill (Blue):** 4,344 CY

Segment Considerations:

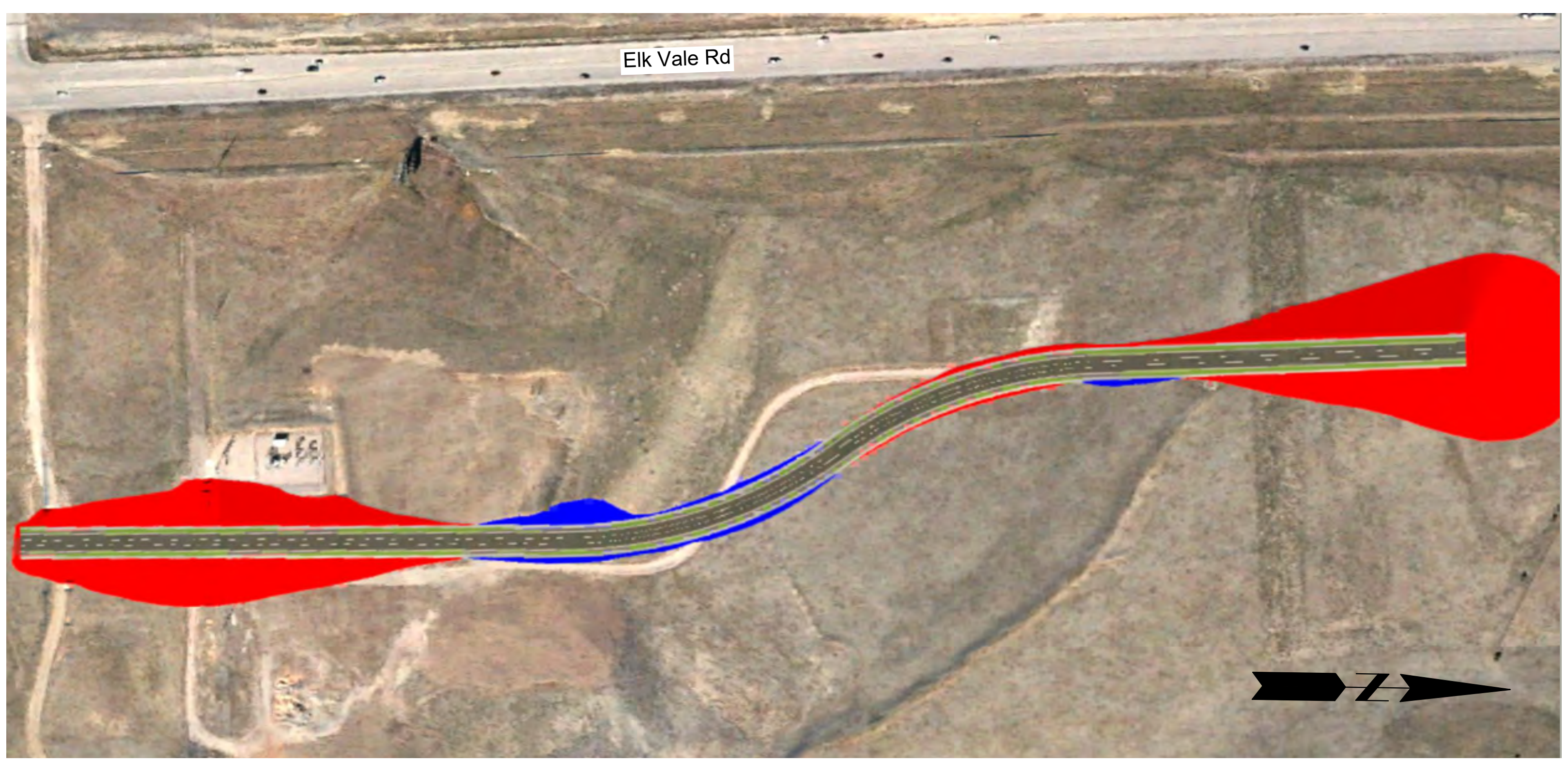
- Connection to the south of Anamosa Street will need further review to connect to existing segment.
- Design speed – 35 MPH.



Isometric looking north at station 15+00

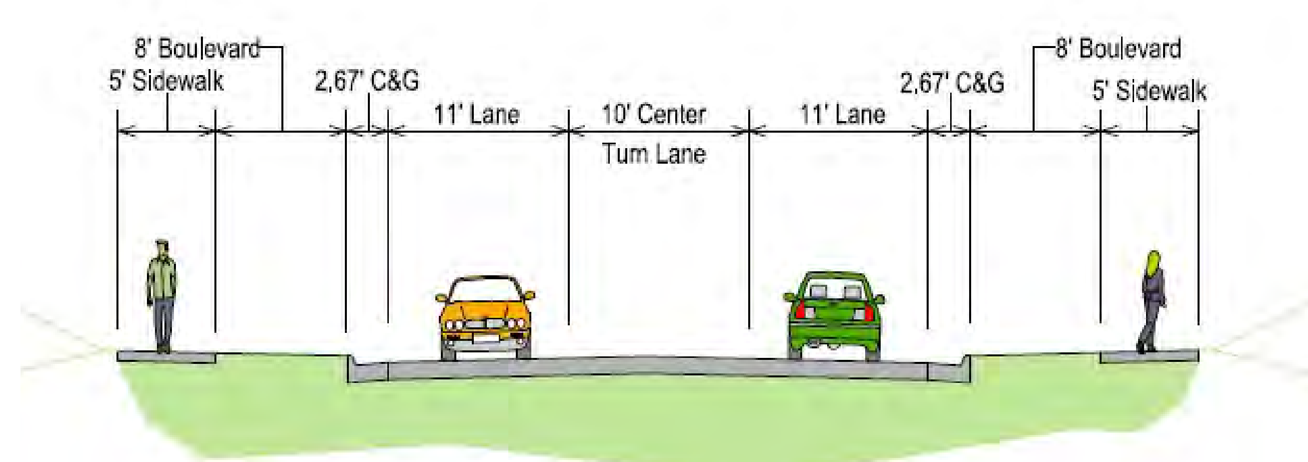


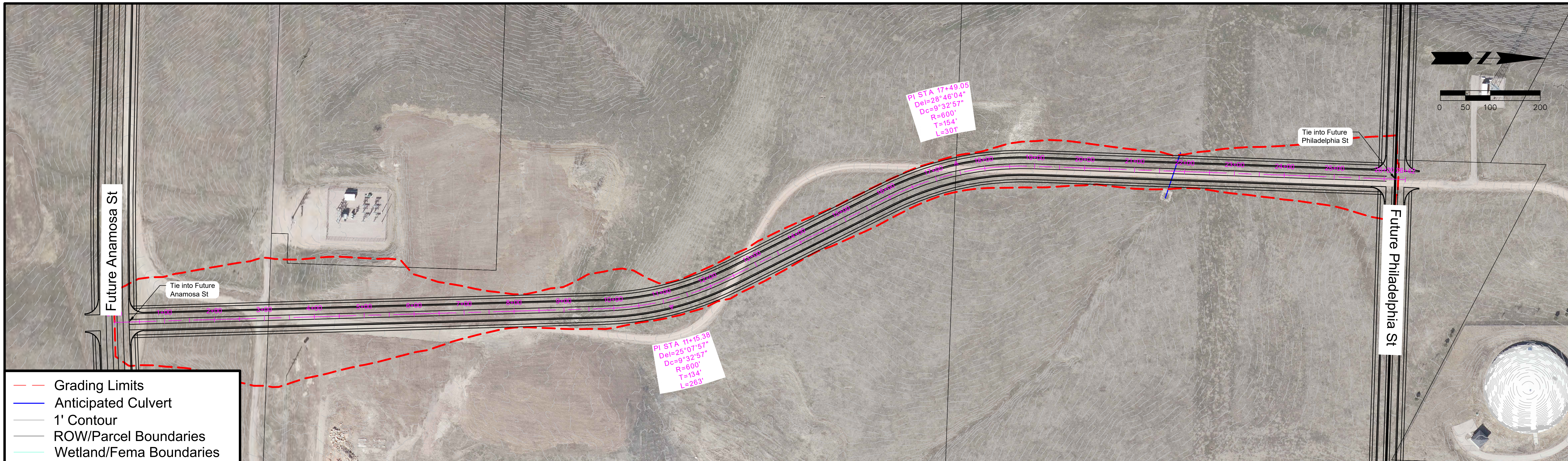
Isometric looking south at station 12+00

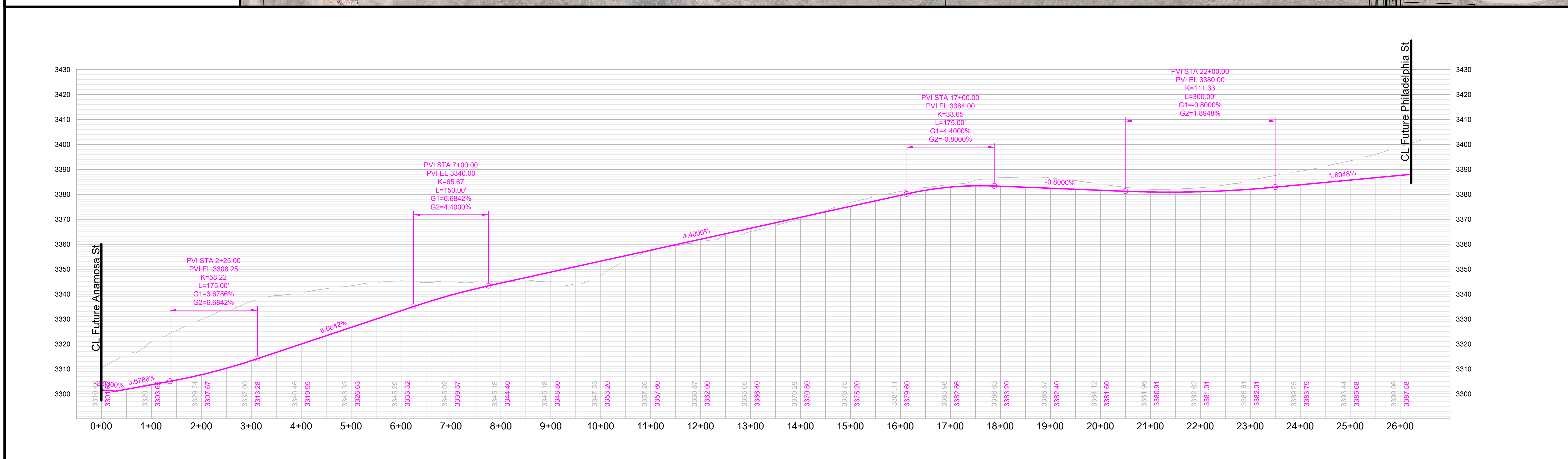


Segment Overview

Proposed Typical Section
3 Lane Collector







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Neel Street

Anamosa St to Philadelphia St

SHEET

1 of 1

E Philadelphia Street

N Valley Drive to Reservoir Road

Classification: Collector/Minor Arterial

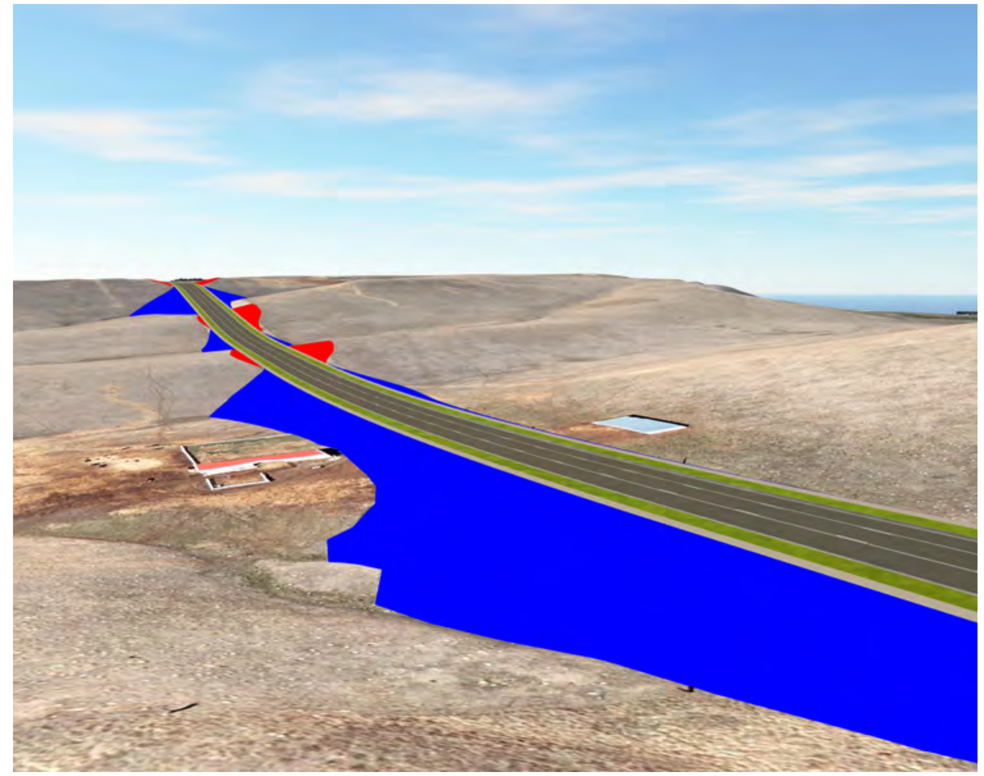
Corridor Length: 17,512 FT

Estimated Quantities

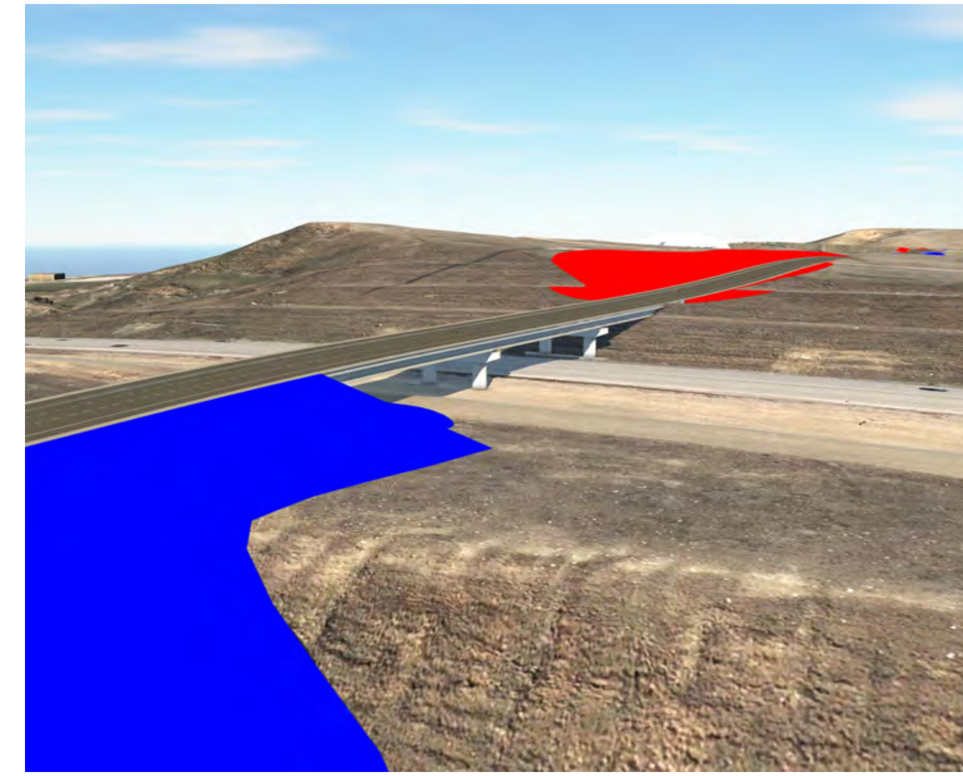
- **Road Surface:** 70,048 SY
- **Earthwork Cut (Red):** 222,212 CY
- **Earthwork Fill (Blue):** 507,064 CY

Segment Considerations:

- Collector from Elk Vale to the West and Minor Arterial from Elk Vale to the East.
- Proposed grade separated crossing at Elk Vale Road. May consider as future interchange.
- Design speed – 35 MPH and 45 MPH.



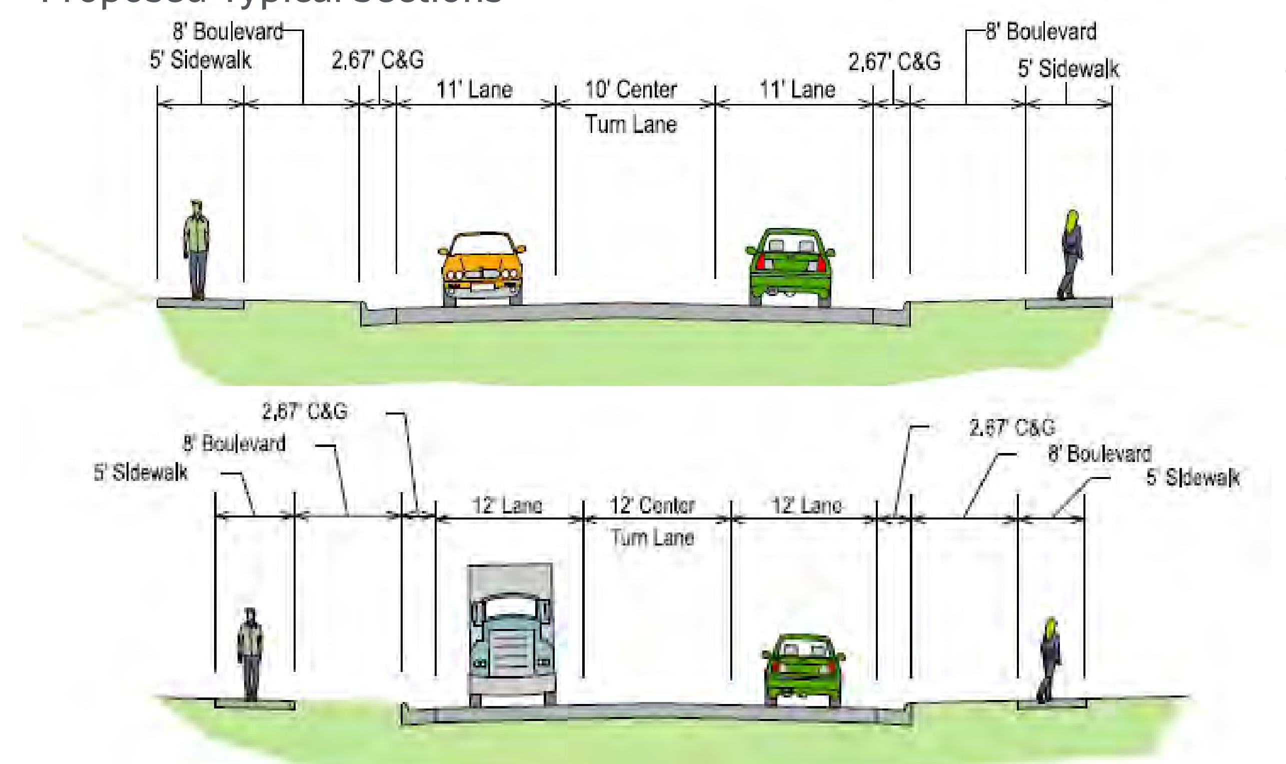
Isometric looking northwest at station 139+00

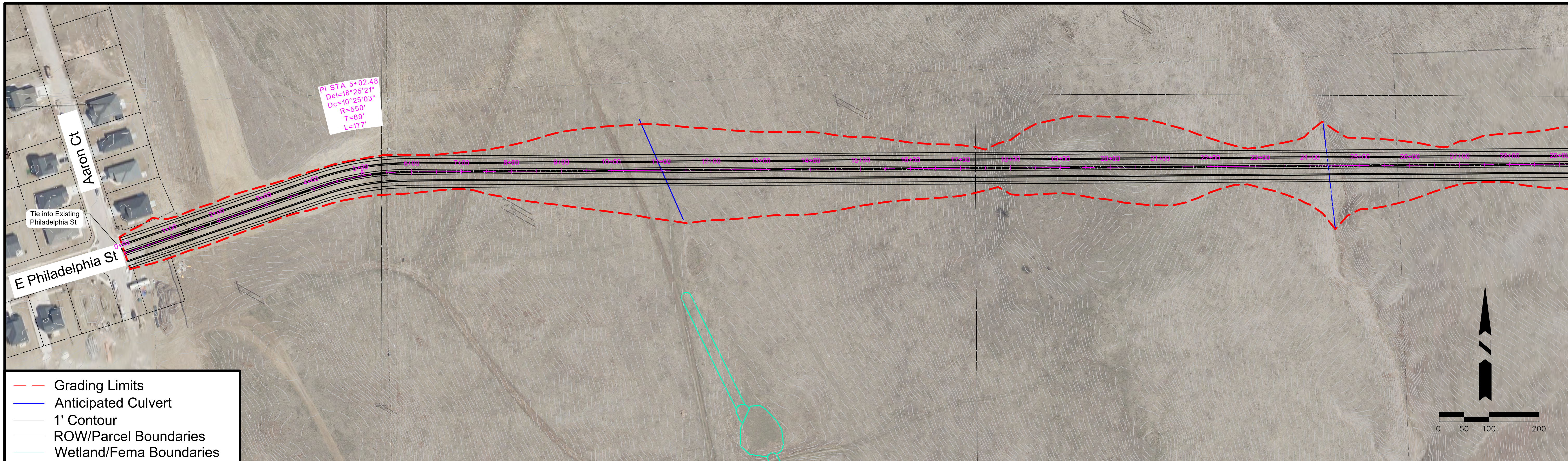


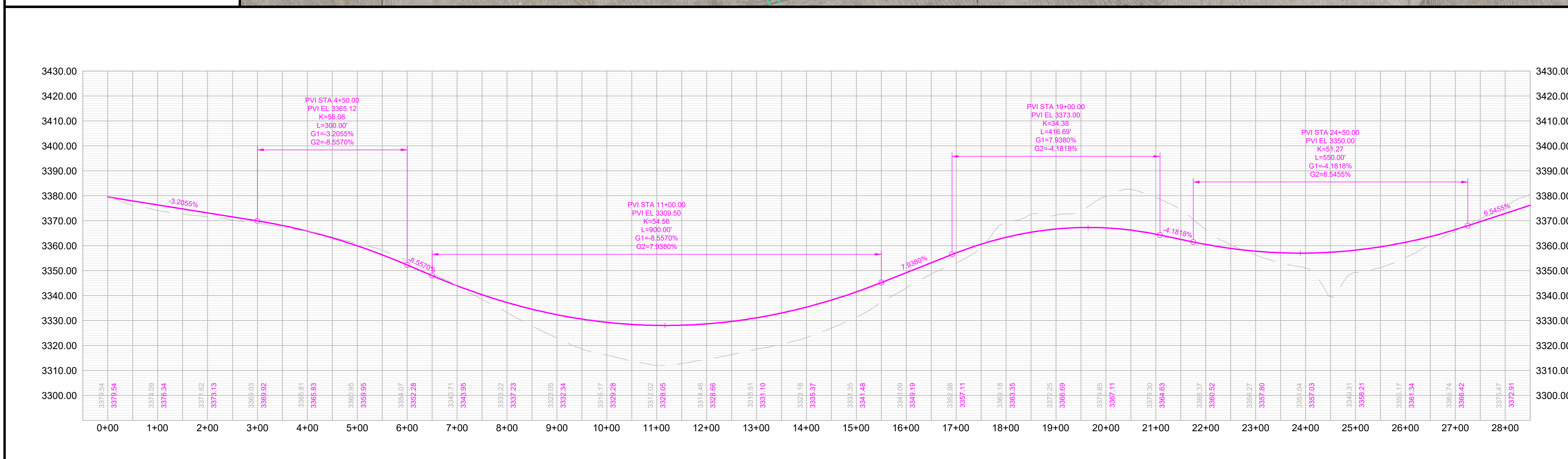
Isometric looking northeast at station 57+00

Segment Overview

Proposed Typical Sections







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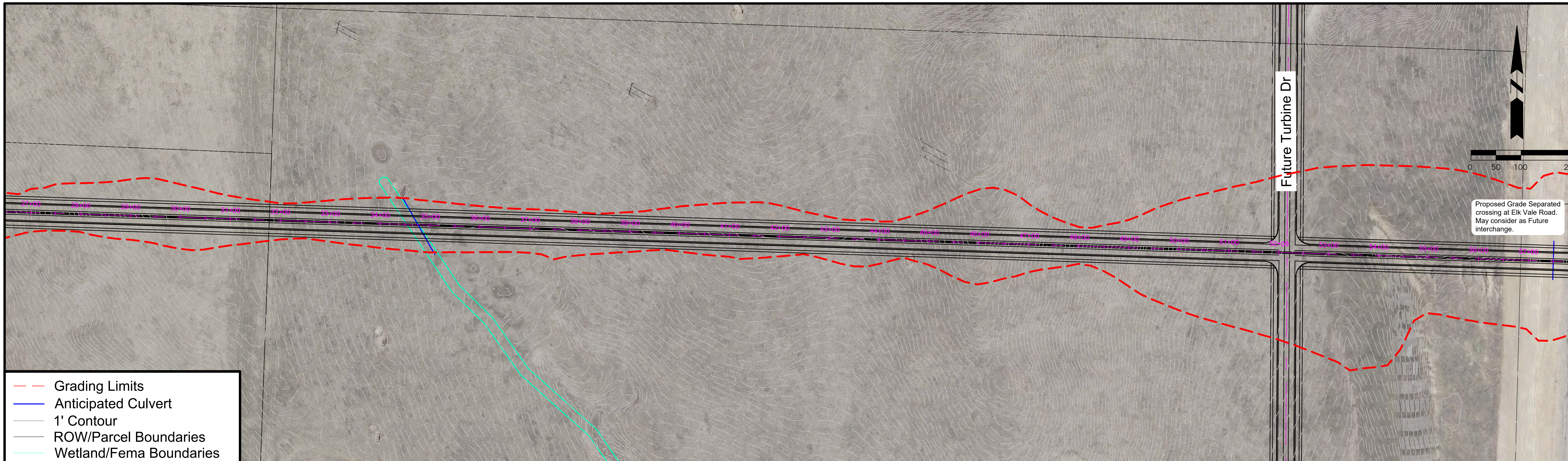
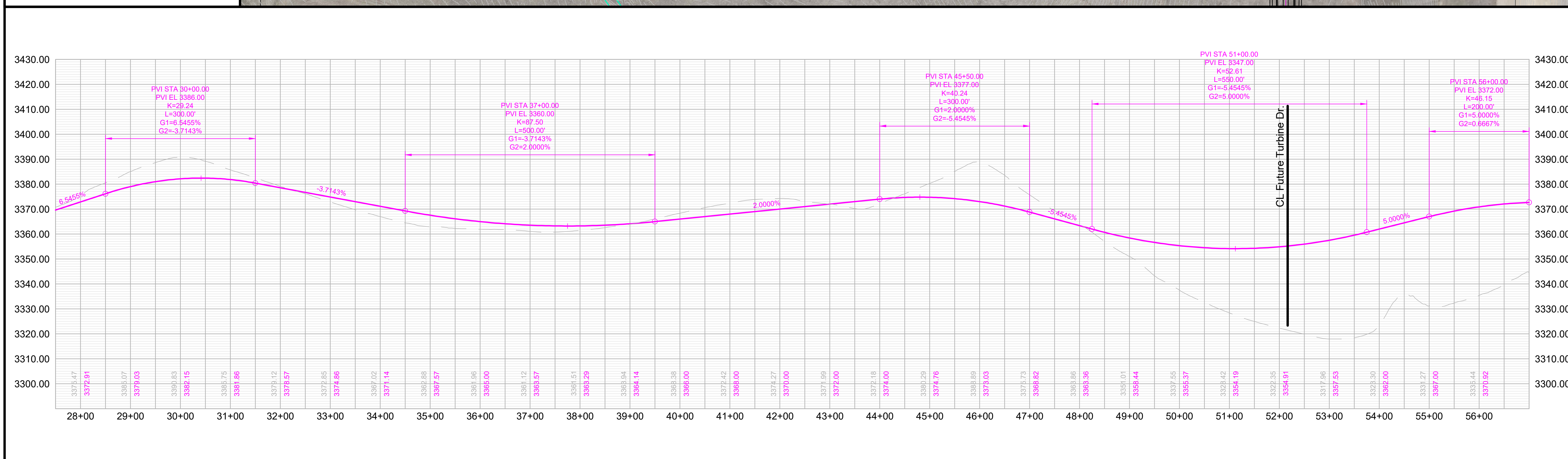
Philadelphia Street

N Valley Dr to Reservoir Rd

SHEET

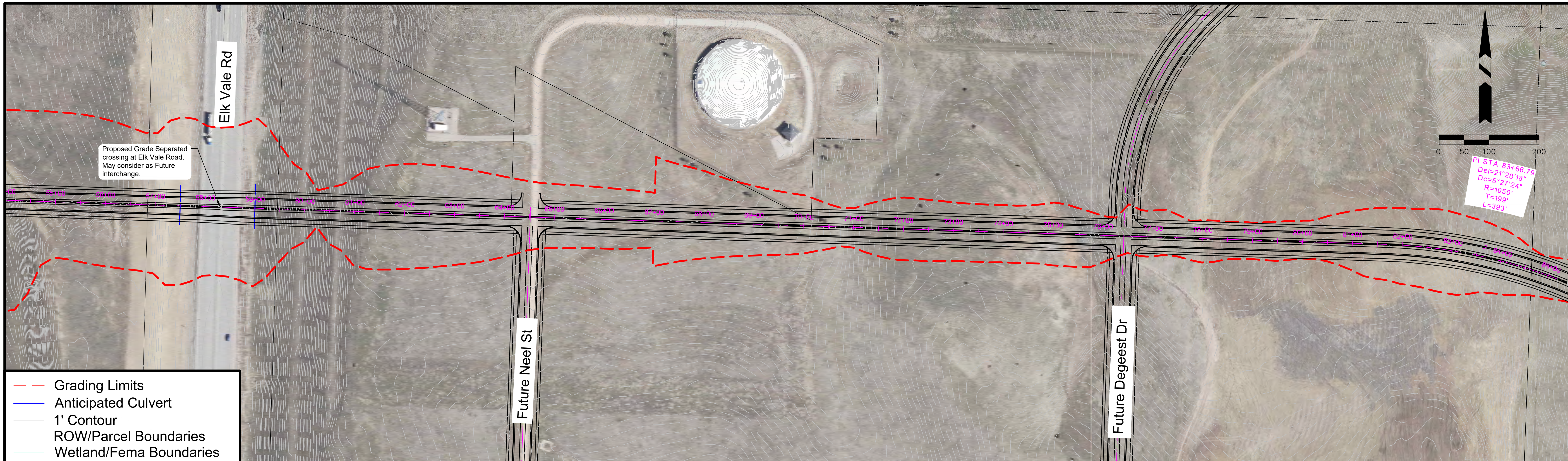
1 of 7

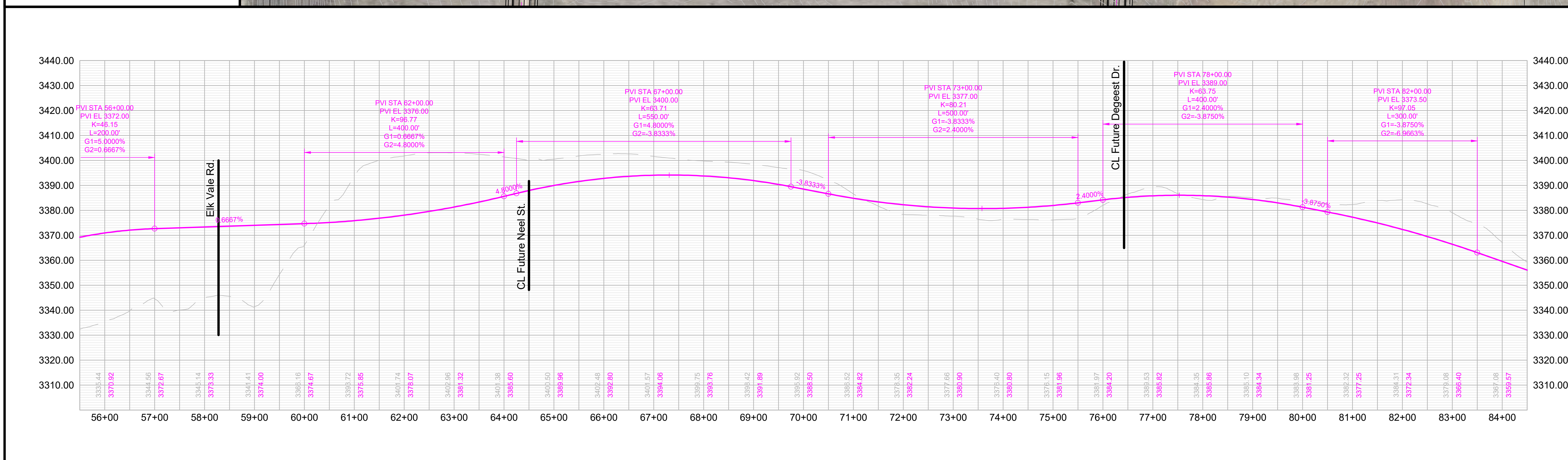




Philadelphia Street

N Valley Dr to Reservoir Rd





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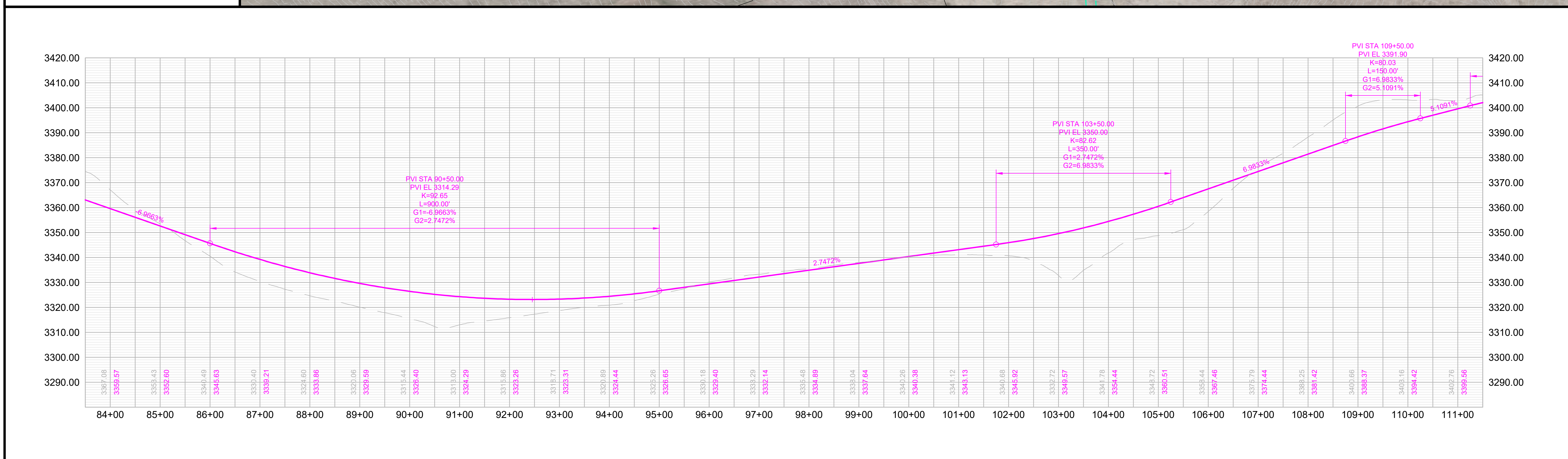
Philadelphia Street

N Valley Dr to Reservoir Rd

SHEET

3 of 7



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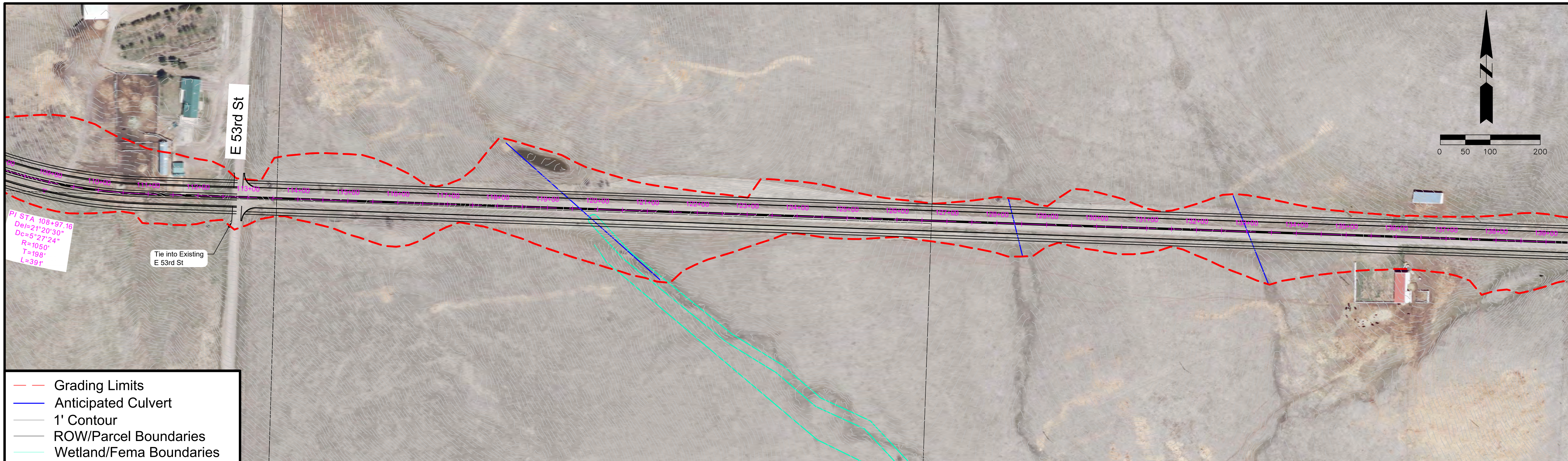
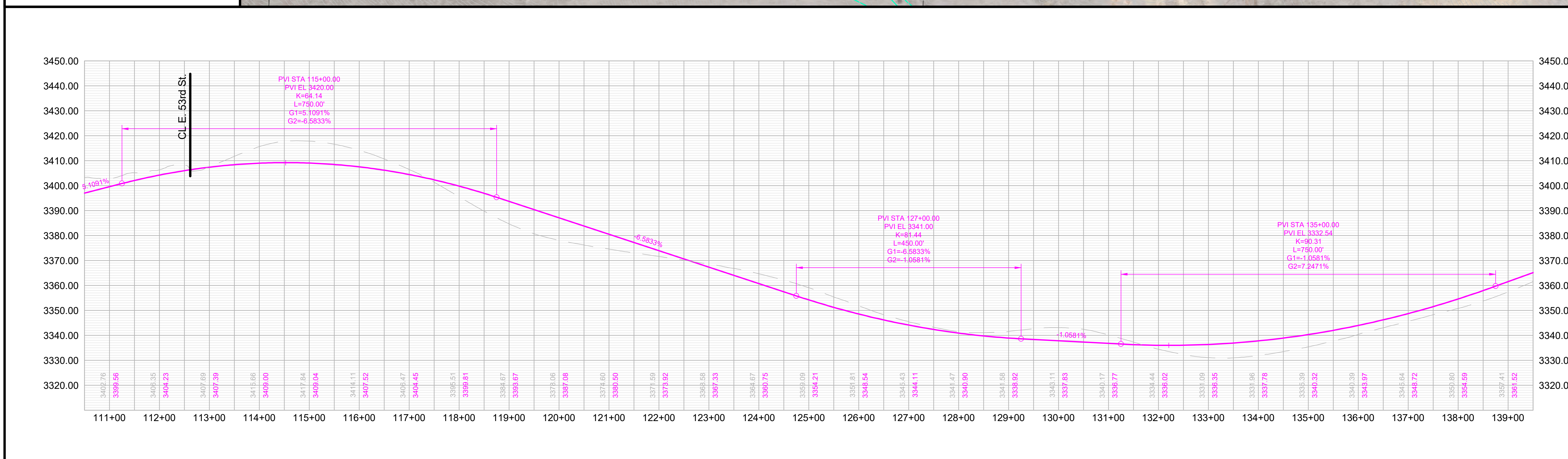
Philadelphia Street

N Valley Dr to Reservoir Rd





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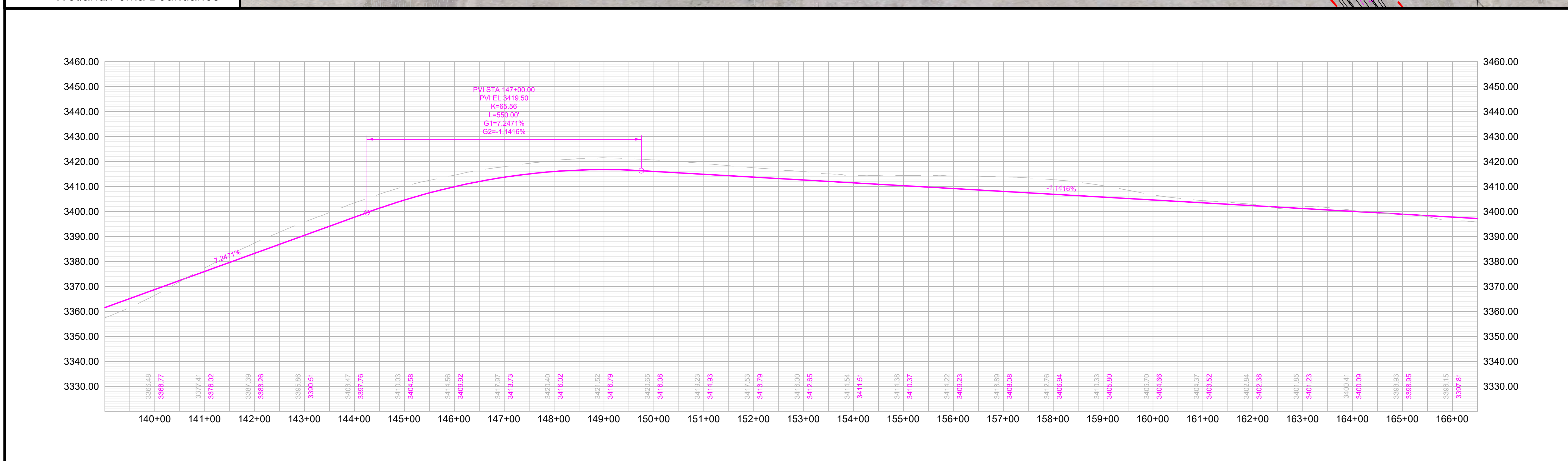
Philadelphia Street

N Valley Dr to Reservoir Rd

SHEET



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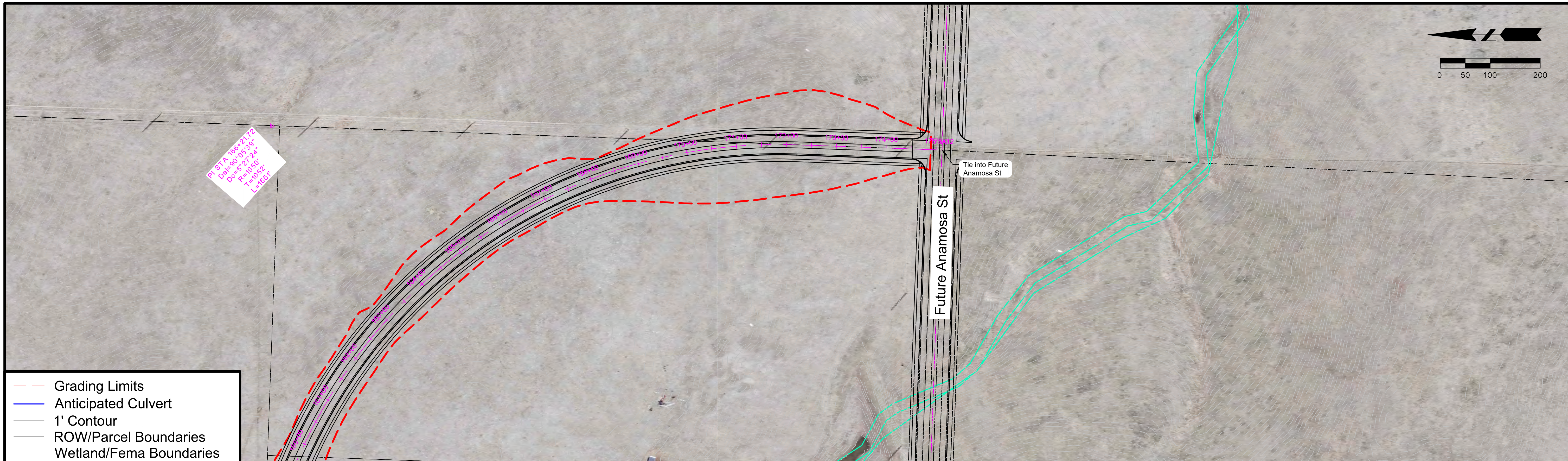
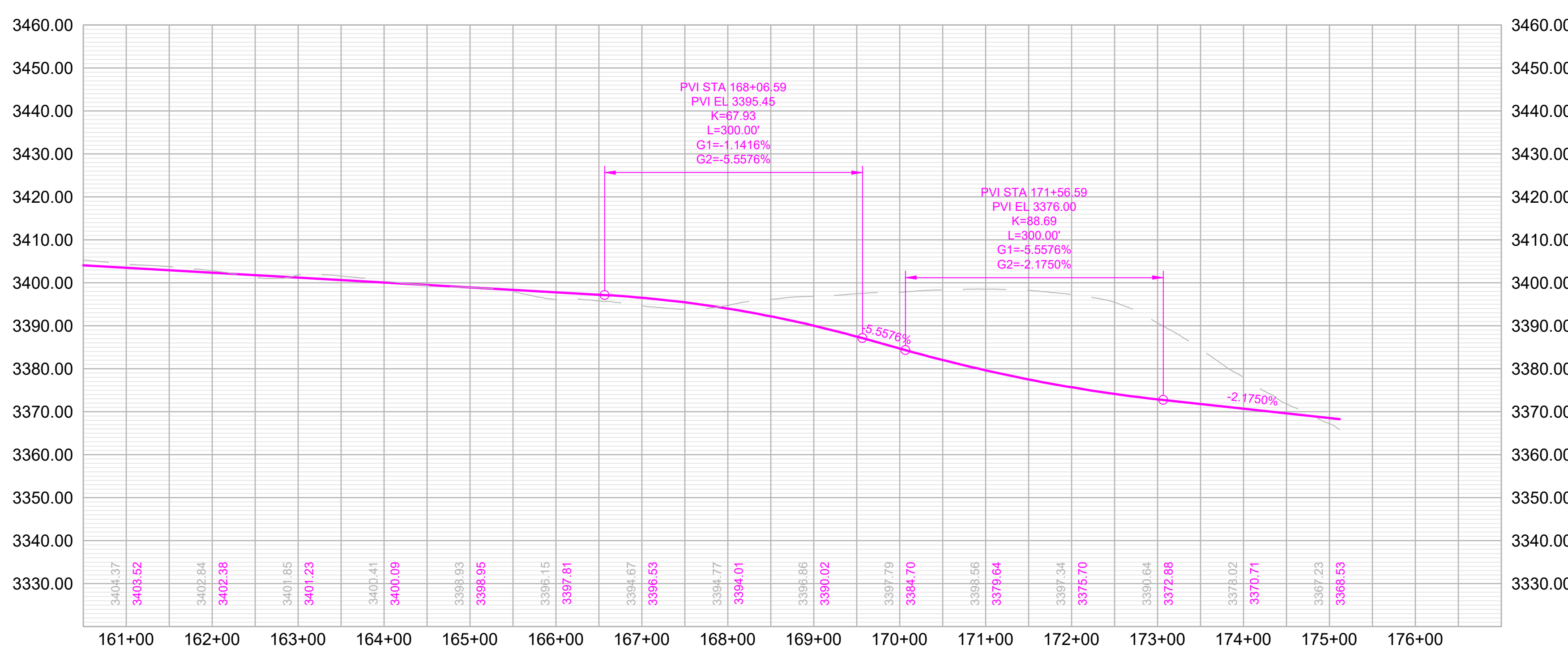
Philadelphia Street

N Valley Dr to Reservoir Rd

SHEET

6 of 7





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Philadelphia Street

N Valley Dr to Reservoir Rd

Turbine Drive

Anamosa Street to N Turbine Drive

Classification: Collector

Corridor Length: 4,020 FT

Estimated Quantities

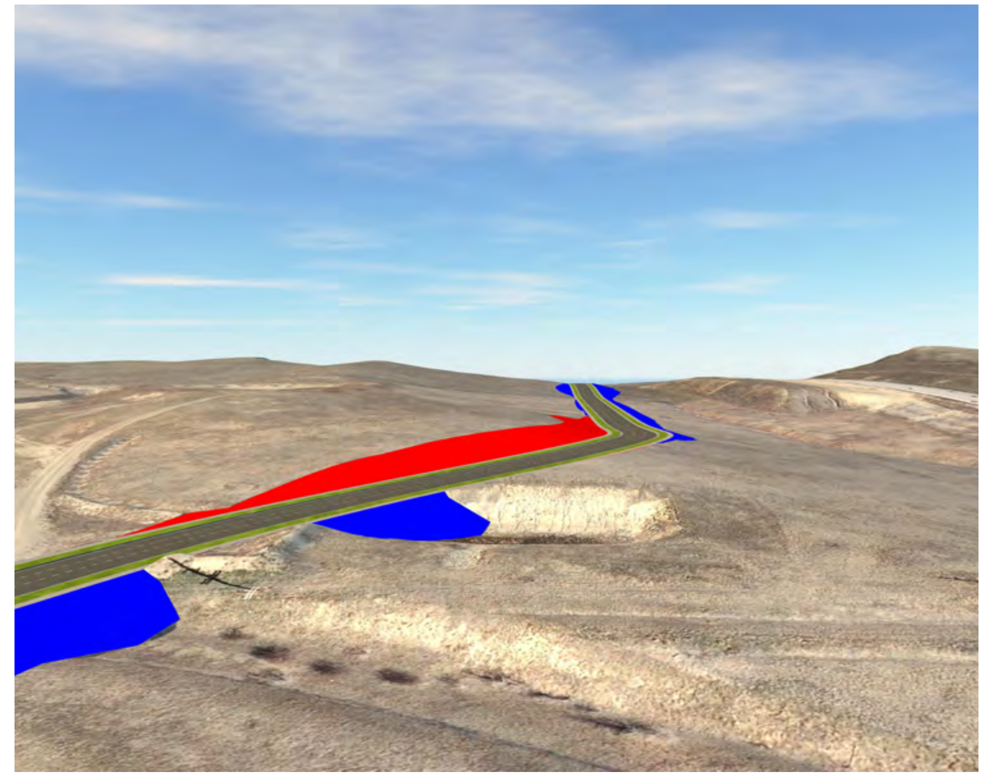
Road Surface: 14,294 SY

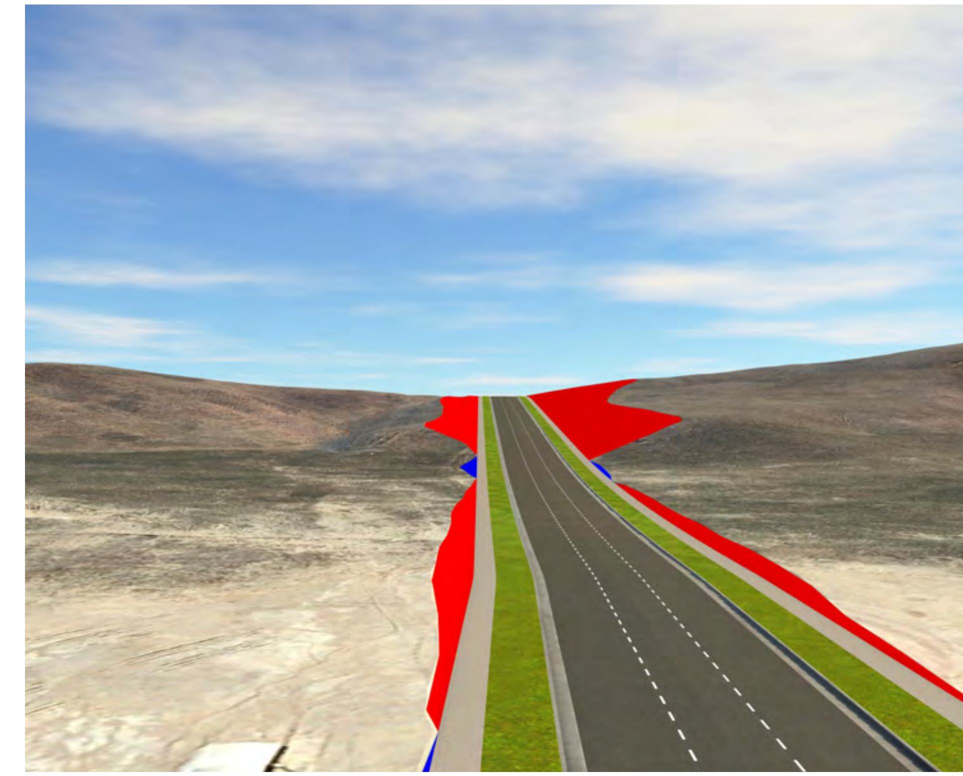
Earthwork Cut (Red): 17,188 CY

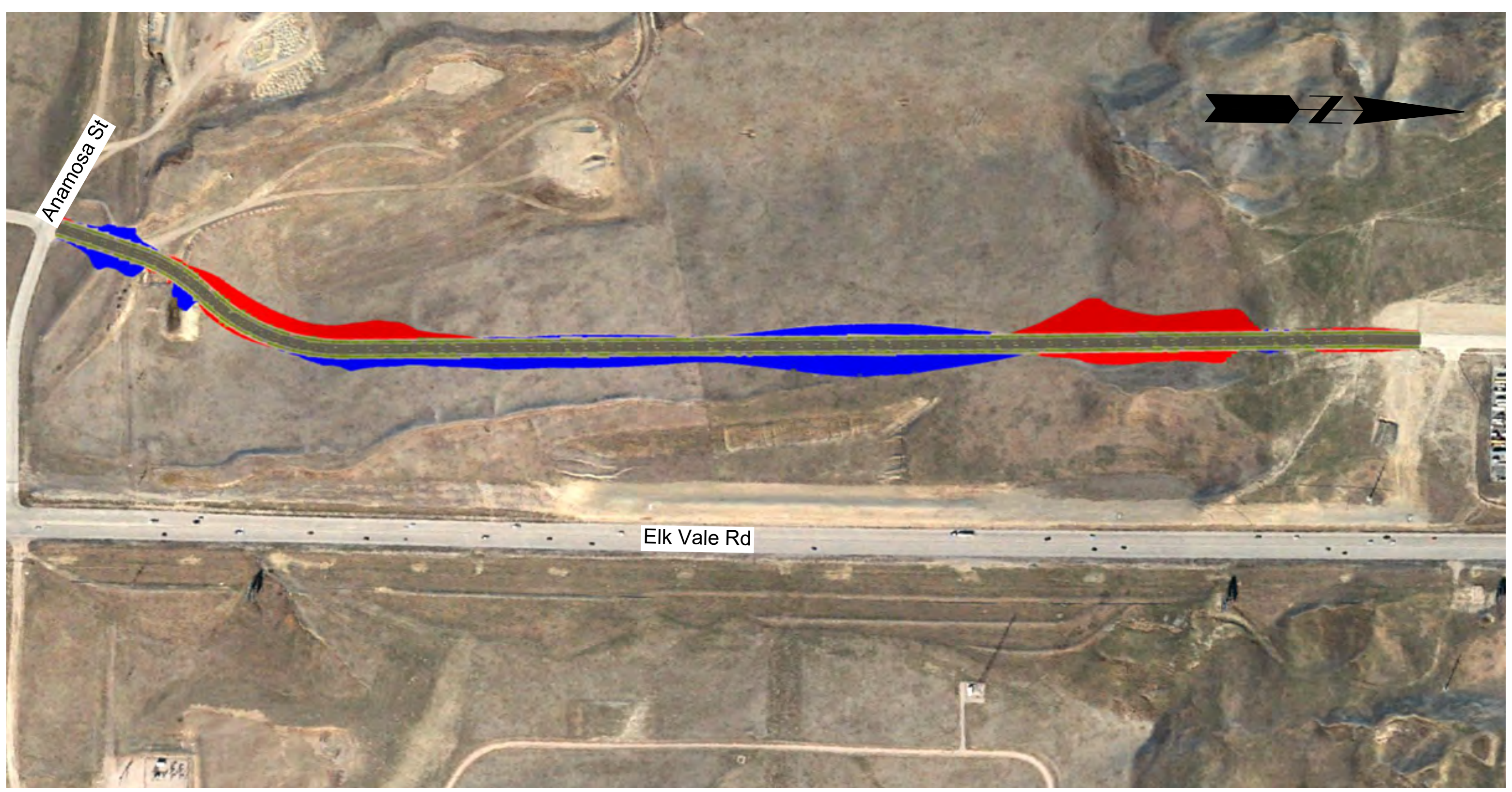
Earthwork Fill (Blue): 195,333 CY

Segment Considerations:

- Design speed – 35 MPH.


Isometric looking north at station 5+00

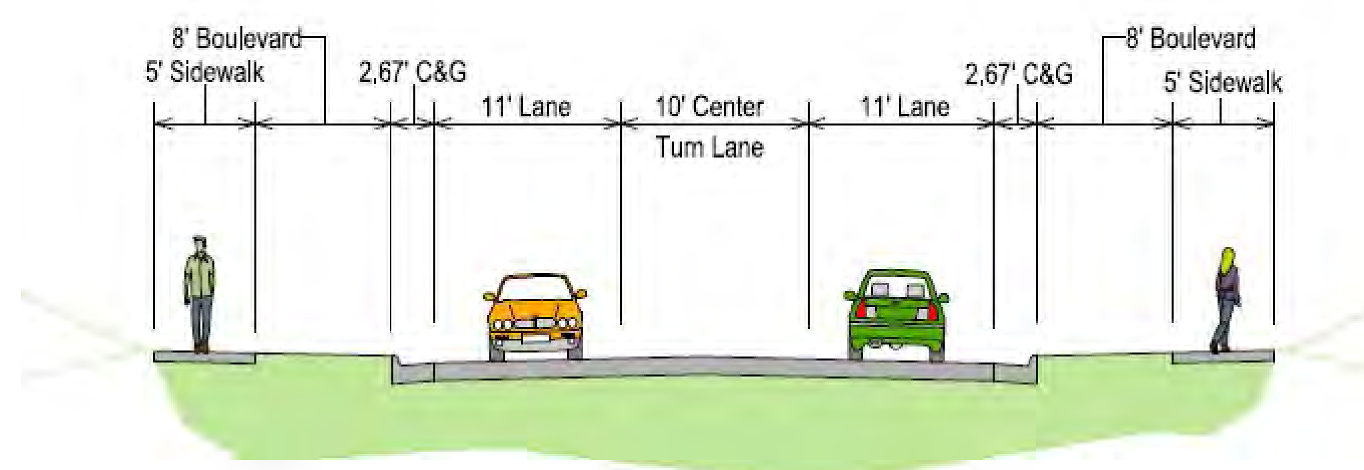

Isometric looking south at station 39+00

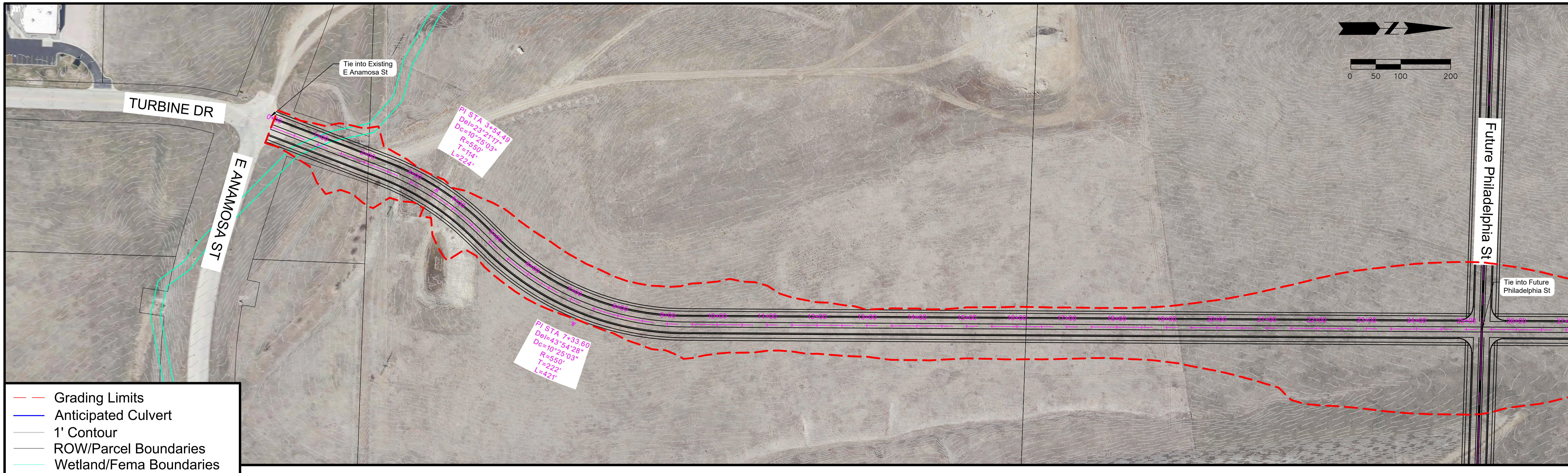


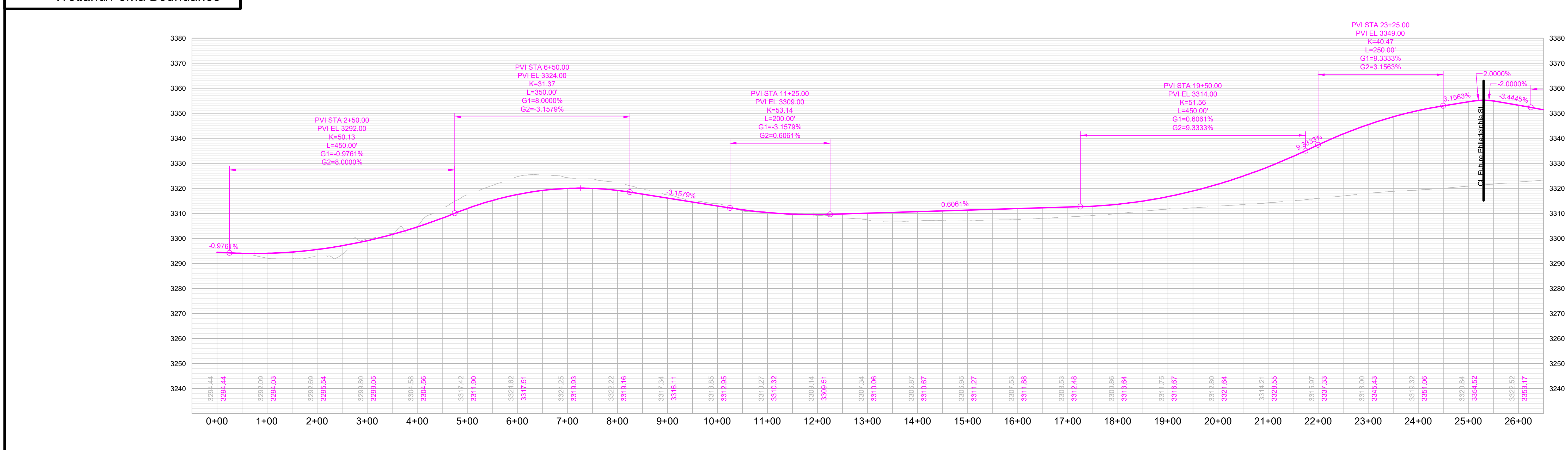
Segment Overview

Proposed Typical Section

3 Lane Collector







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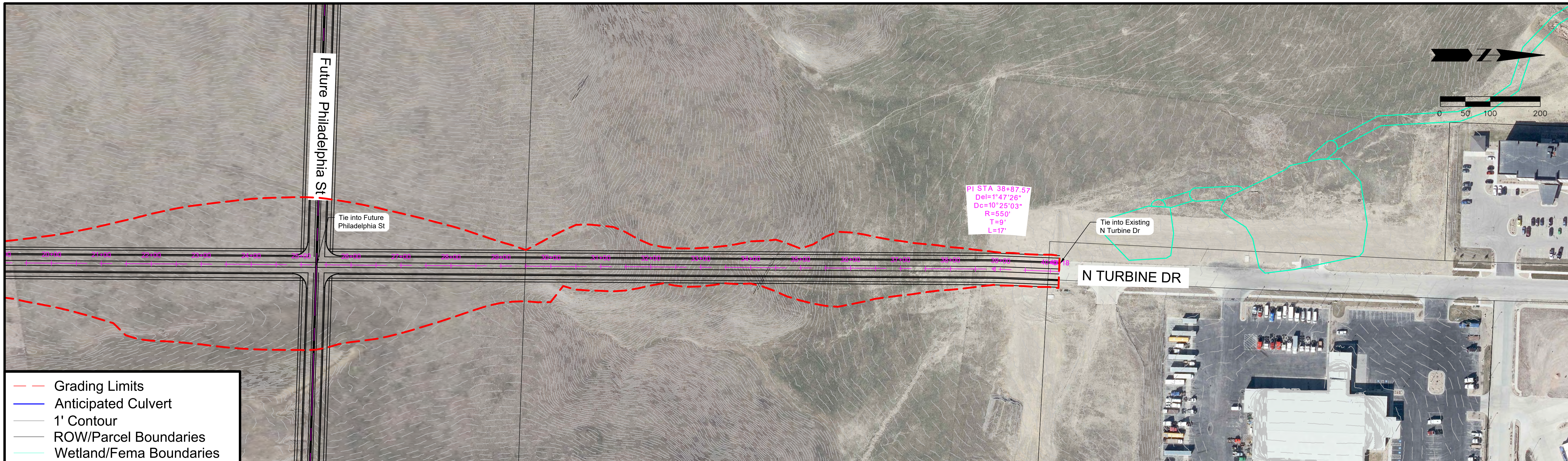
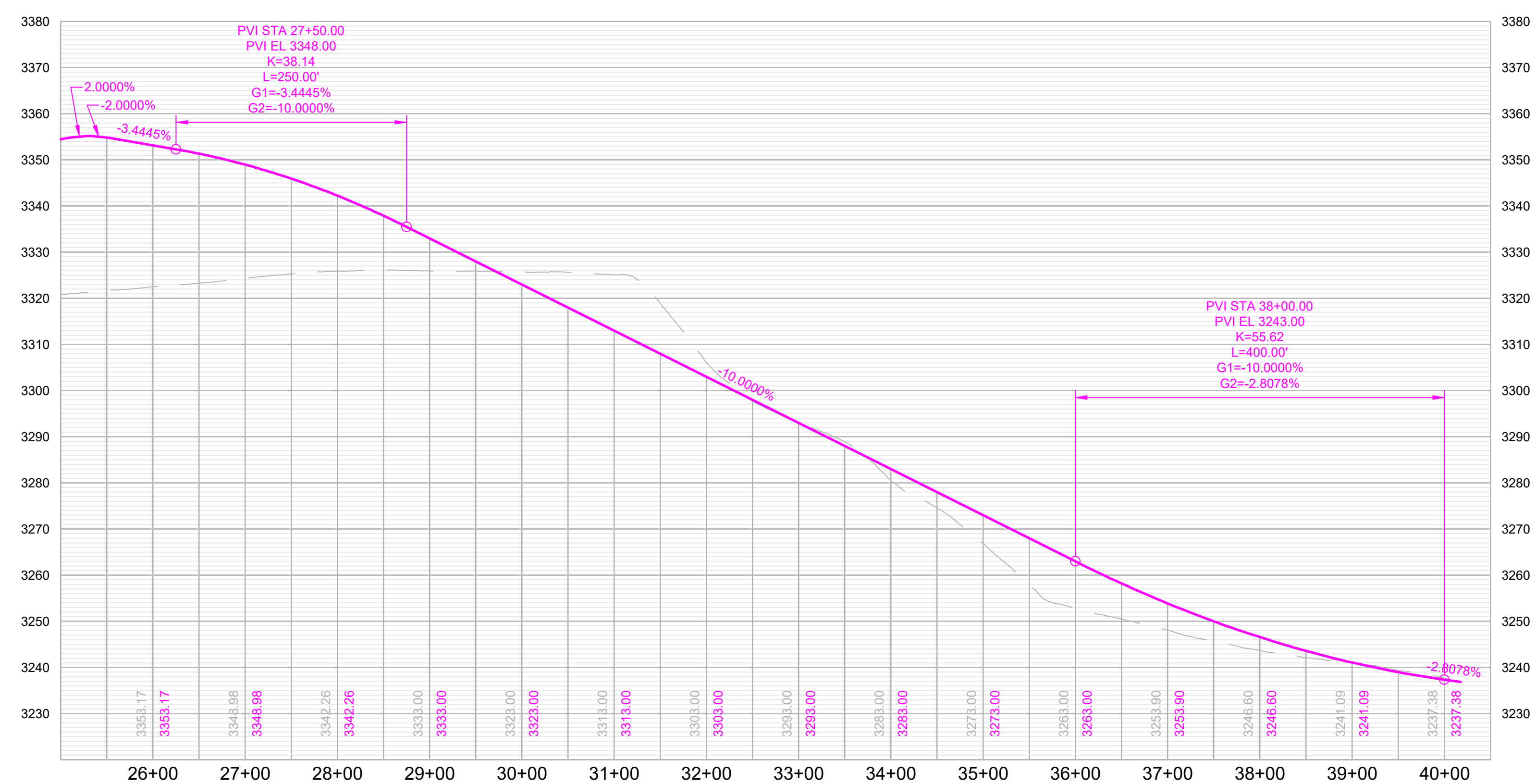
Turbine Drive

Anamosa St to N. Turbine Dr

SHEET

1 of 2





Turbine Drive

Anamosa St to N. Turbine Dr

Twilight Drive

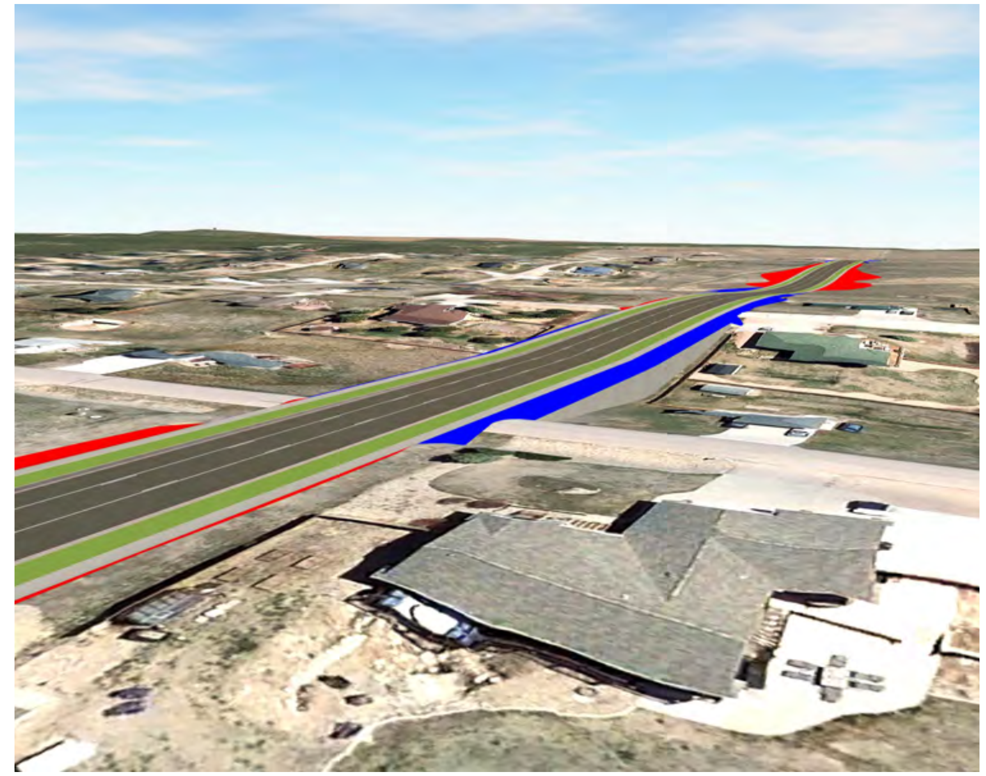
Eastern Terminus to Radar Hill Road

Classification: Minor Arterial

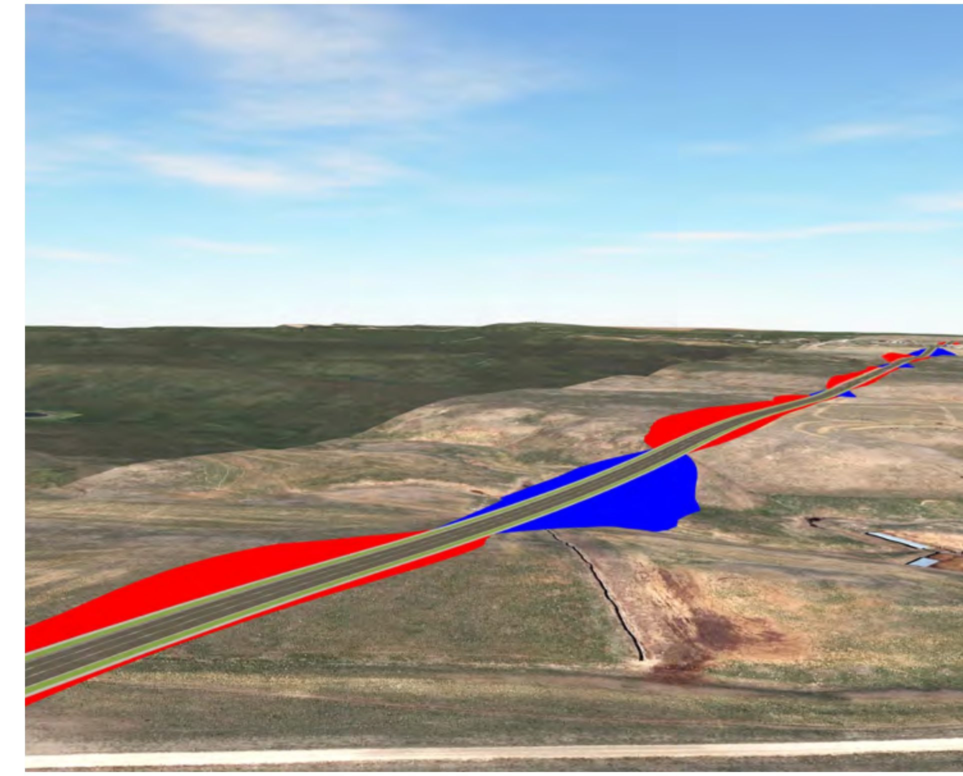
Corridor Length: 9,570 FT

Estimated Quantities

- **Road Surface:** 38,280 SY
- **Earthwork Cut (Red):** 144,158 CY
- **Earthwork Fill (Blue):** 312,191 CY



Isometric looking east at station 75+00



Isometric looking northeast at station 7+00

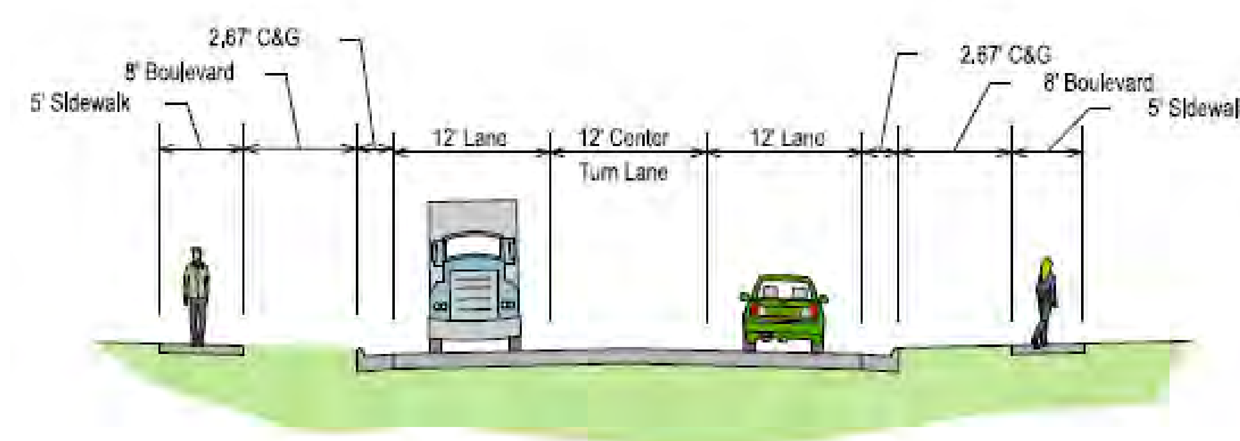
Segment Considerations:

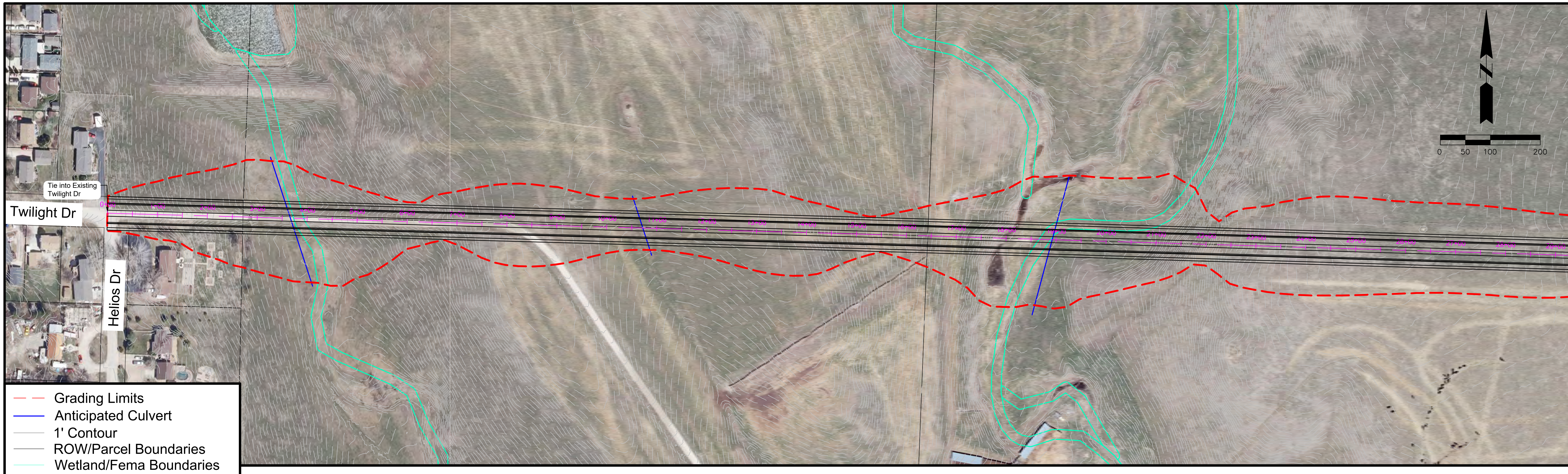
- Design speed reduced to 35 MPH through existing residential areas
- Will need retaining walls to limit impacts on existing properties in the development that has platted ROW.
- Design speed – 45 MPH.

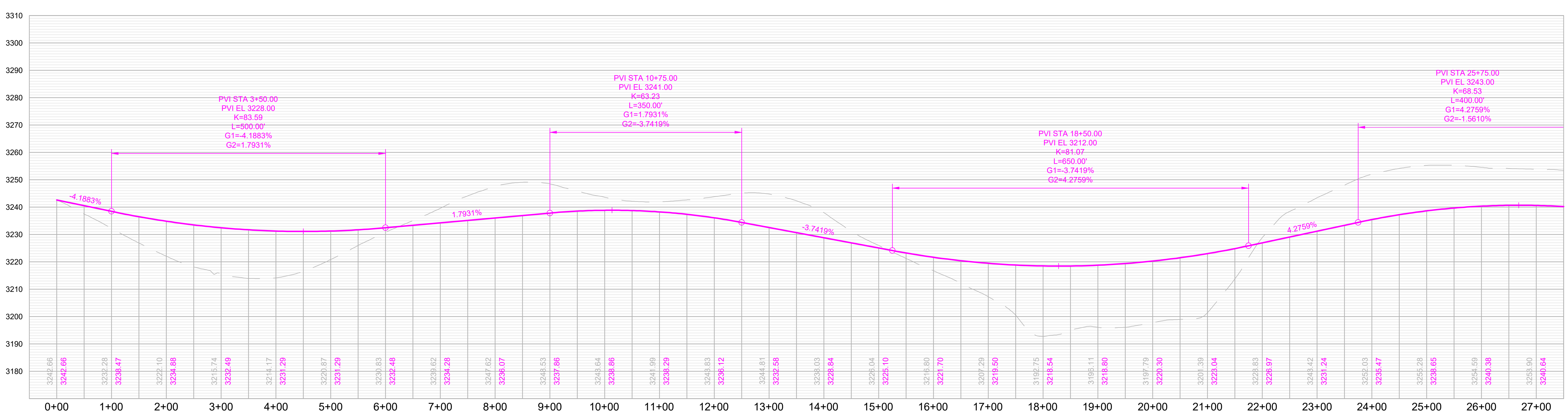
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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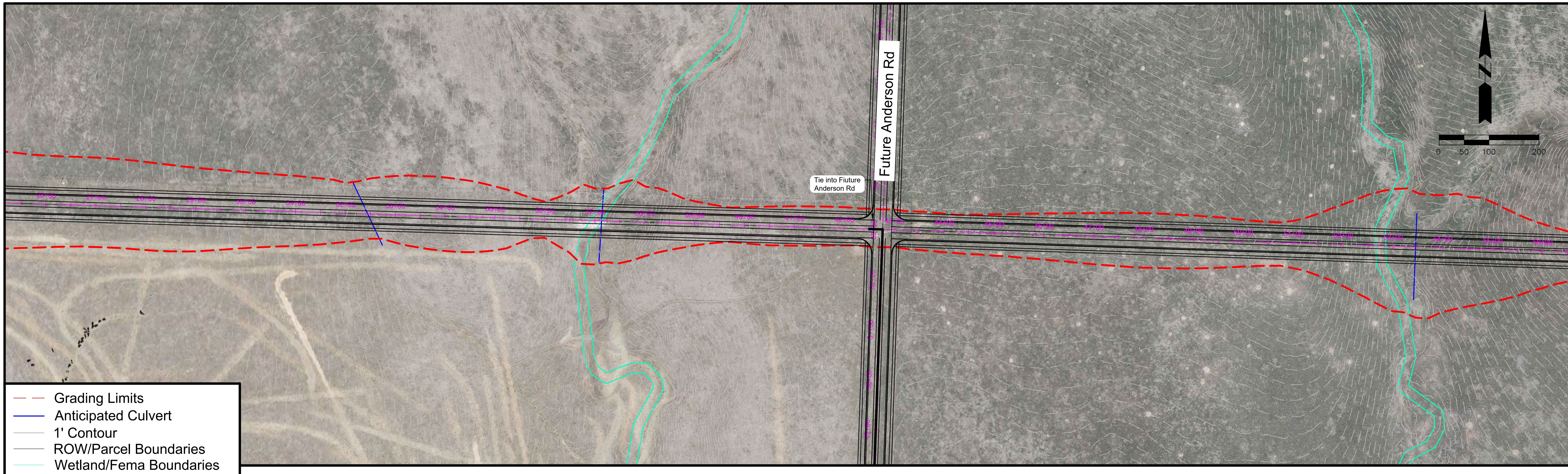
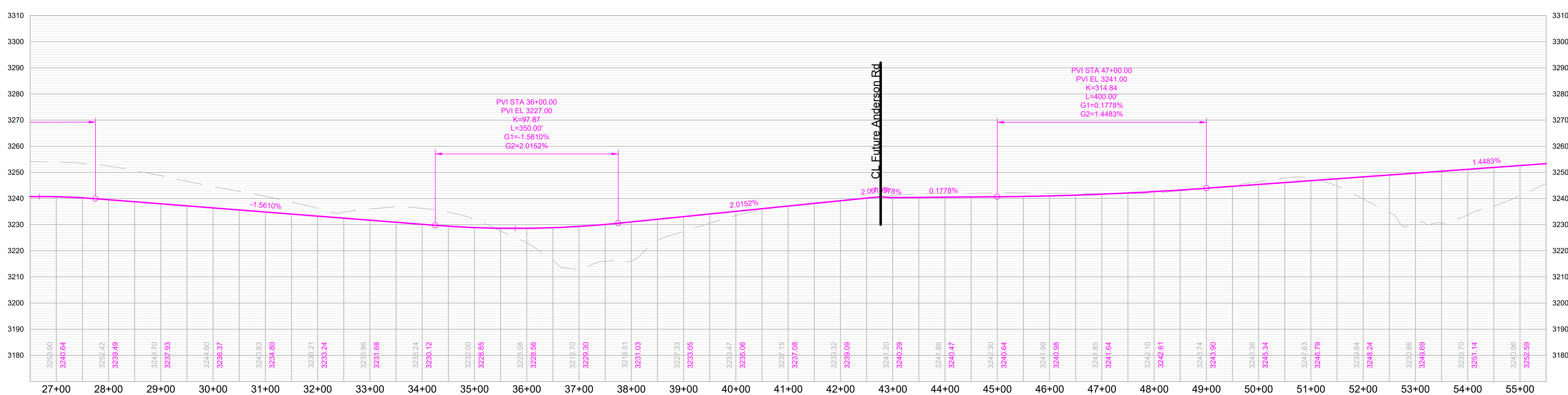
Twilight Drive

Eastern Terminus to Radar Hill Rd





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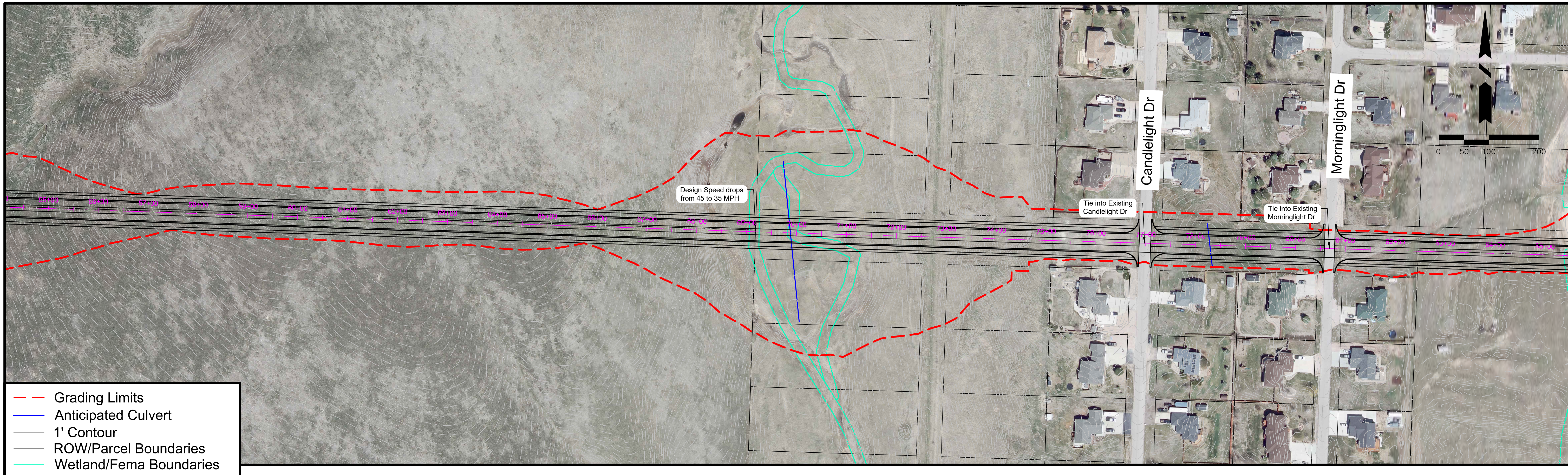
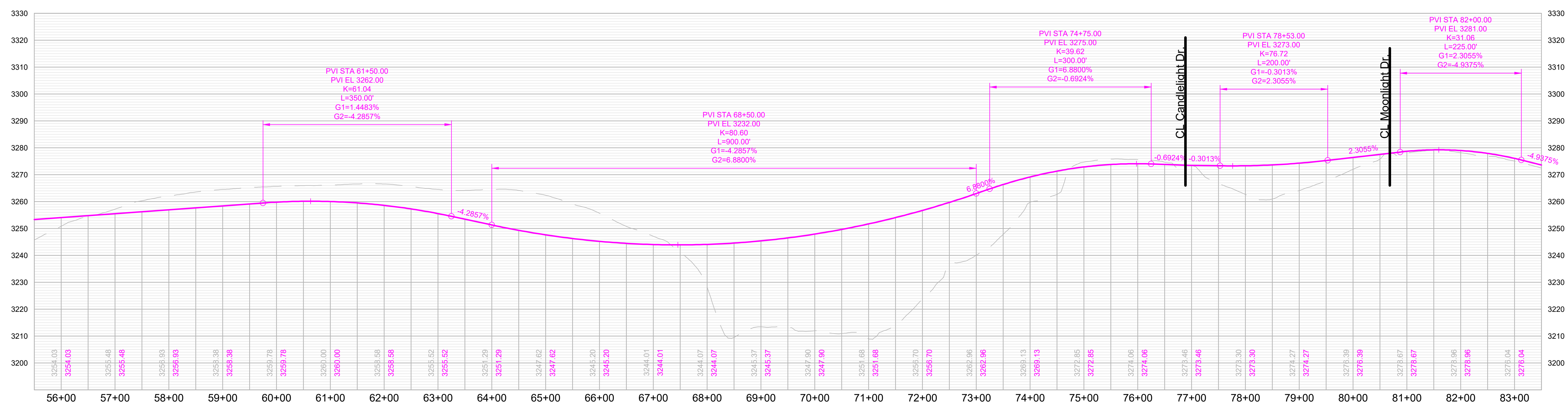
Twilight Drive

Eastern Terminus to Radar Hill Rd

SHEET

2 of 4





Twilight Drive

Eastern Terminus to Radar Hill Rd

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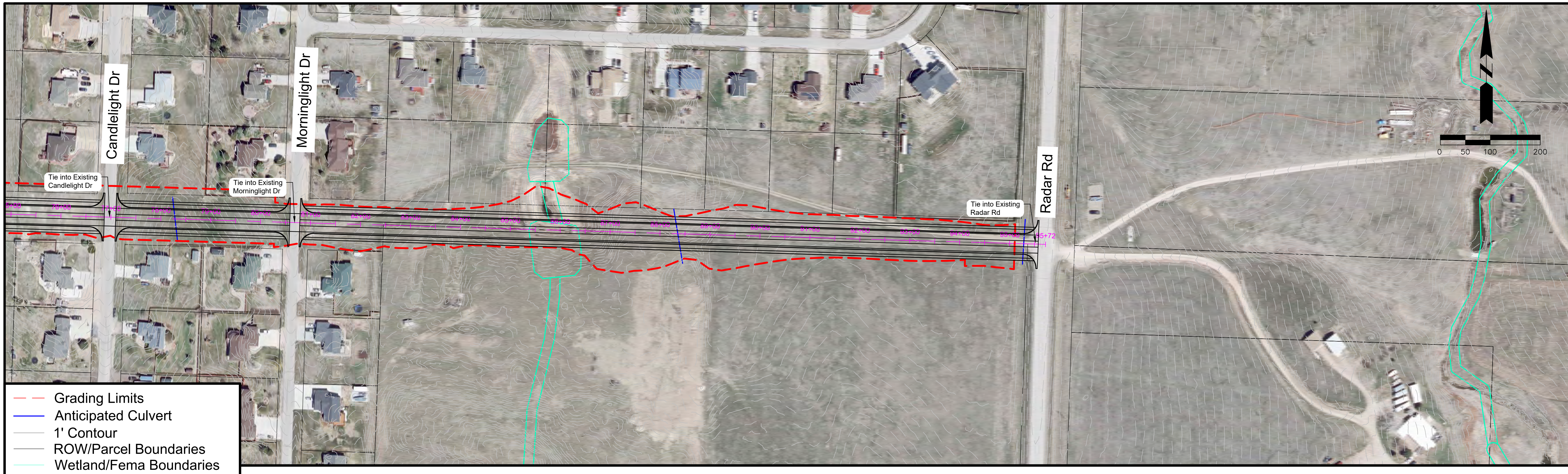

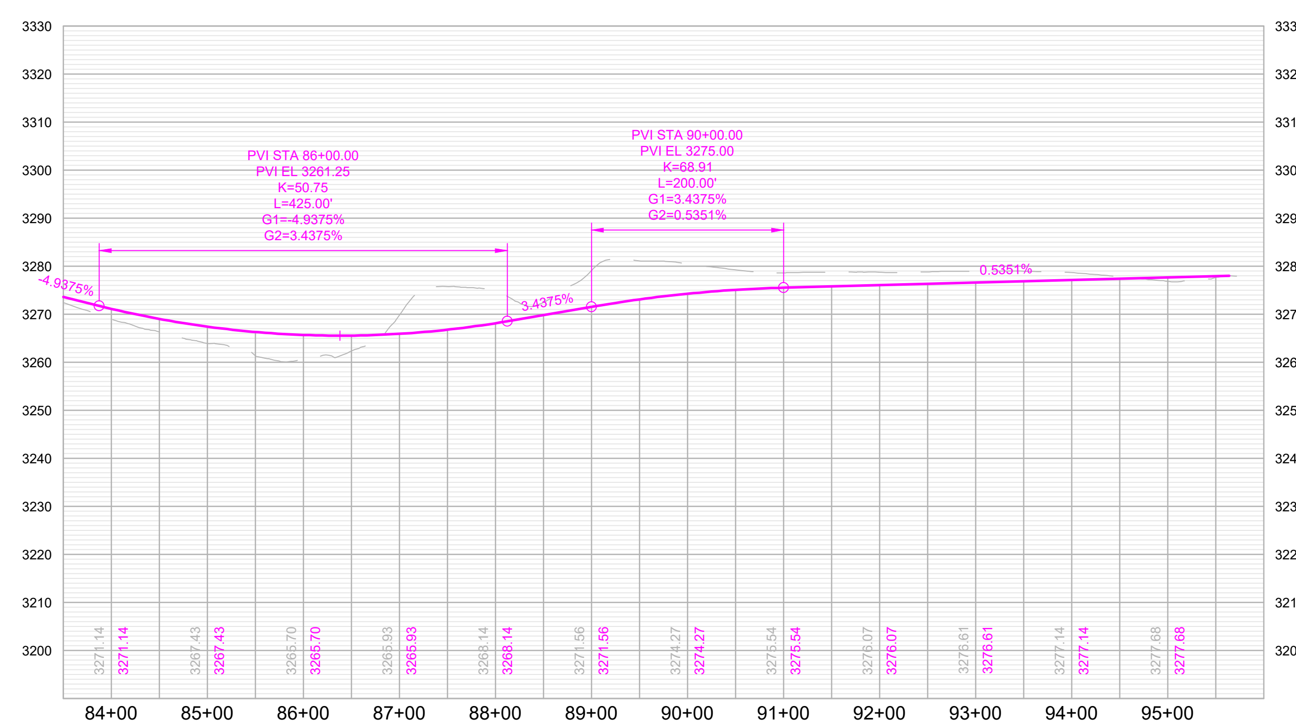

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Twilight Drive

Eastern Terminus to Radar Hill Rd

SHEET

E Saint James Street

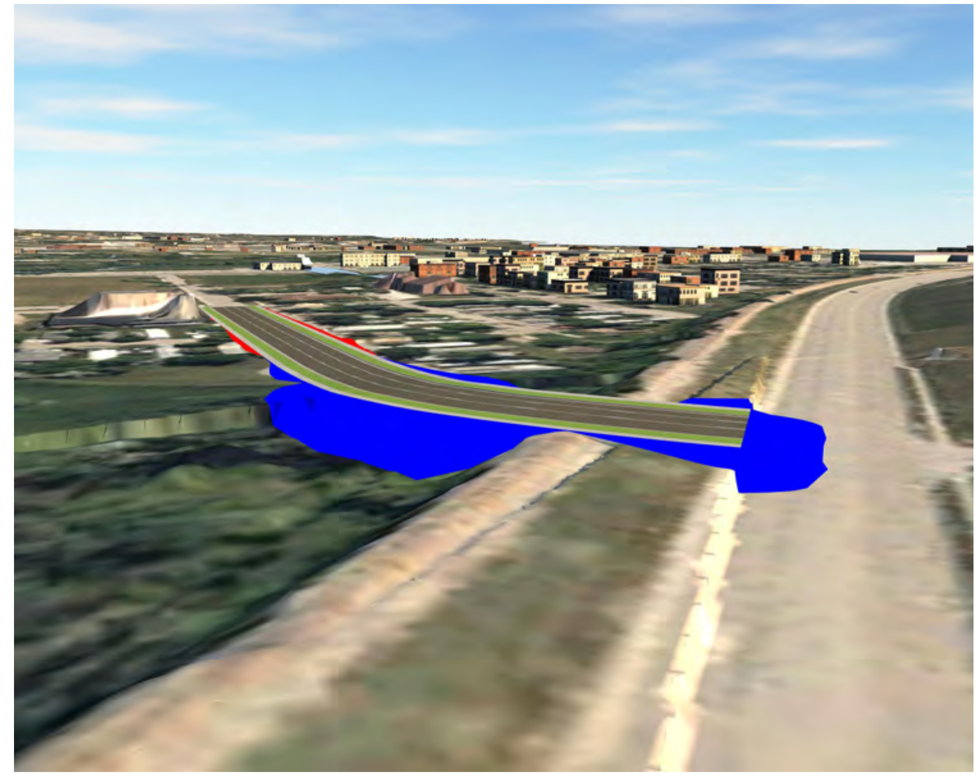
Saint Joseph Street to Western Terminus

Classification: Minor Arterial

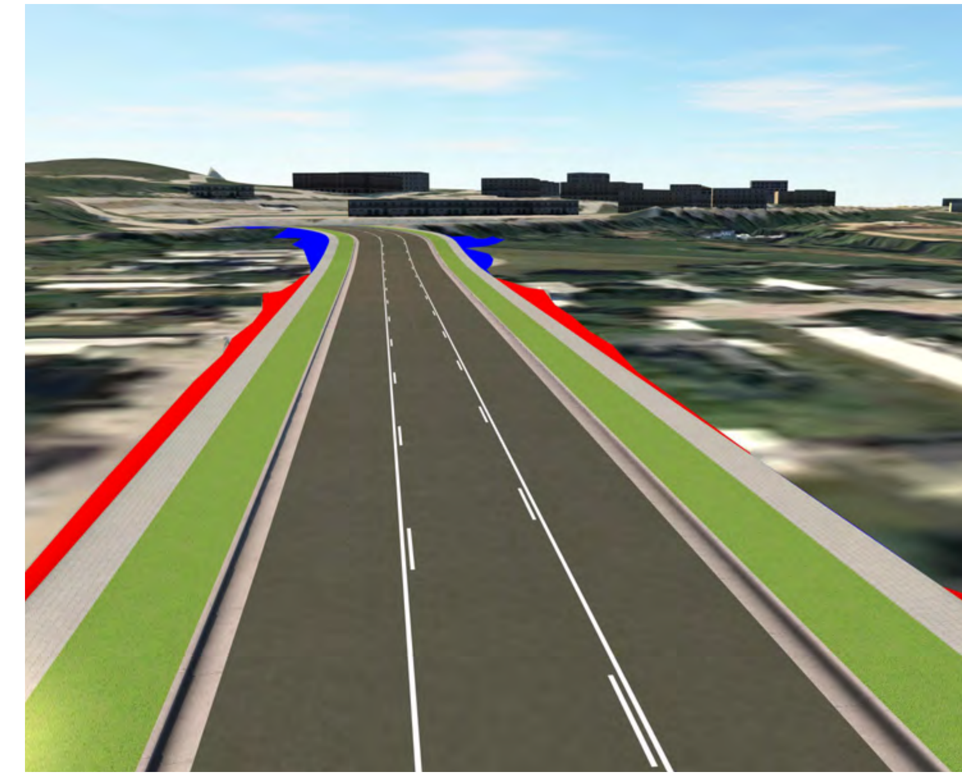
Corridor Length: 750 FT

Estimated Quantities

- **Road Surface:** 3,000 SY
- **Earthwork Cut (Red):** 643 CY
- **Earthwork Fill (Blue):** 12,100 CY



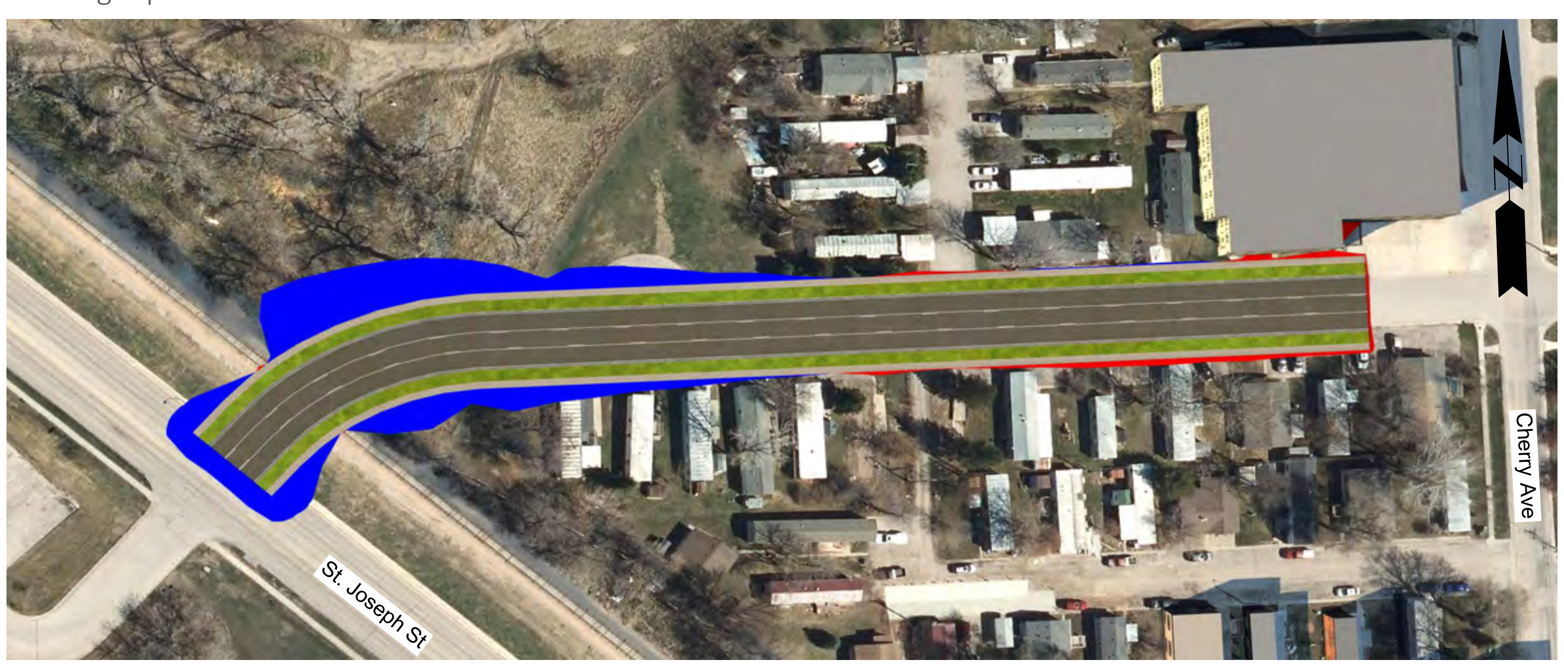
Isometric looking southeast at station 0+50



Isometric looking west at station 7+00

Segment Considerations:

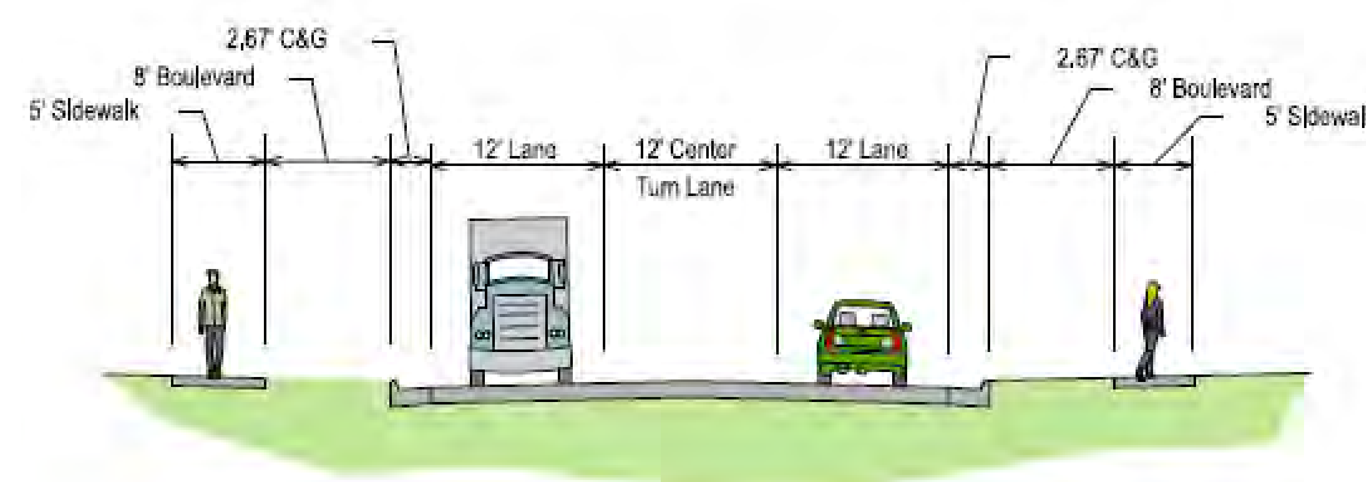
- Space for one vehicle between the stop bar and the railroad tracks at Saint Joesph intersection.
- Railroad access permit required.
- A grade raise on Saint Joseph Street of approximately 7 feet and retaining wall along SDSMT parking lot will likely be required to accommodate connection.
- Grading is impacting floodway, and the 100 year and 500 year floodplain.
- Reduced design speed to 25 MPH for horizontal curve coming into the stop condition.
- Design speed – 45 MPH.

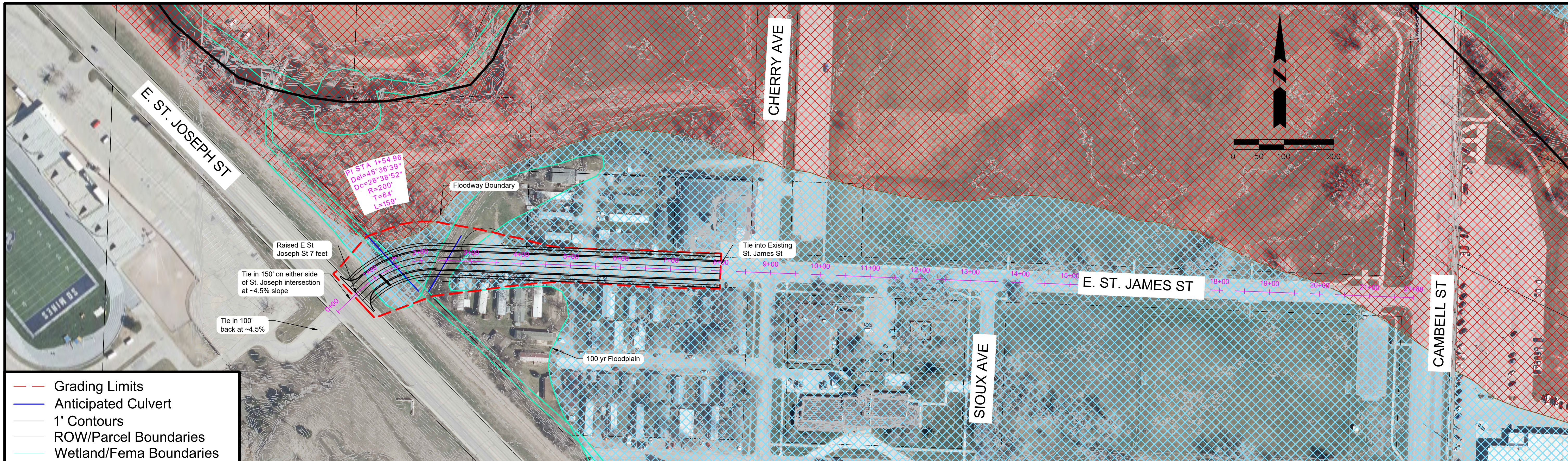


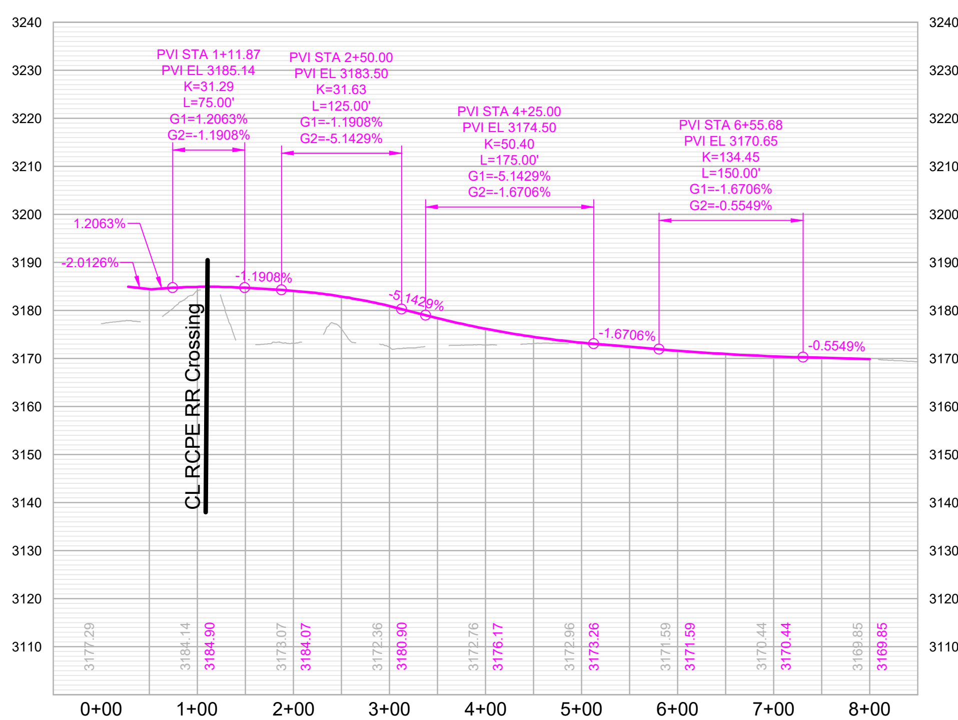
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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Saint James Street

Saint Joseph St to Western Terminus

SHEET
1 of 1

Mercury Drive

Stellar Drive to Quarter Horse Drive

Classification: Collector

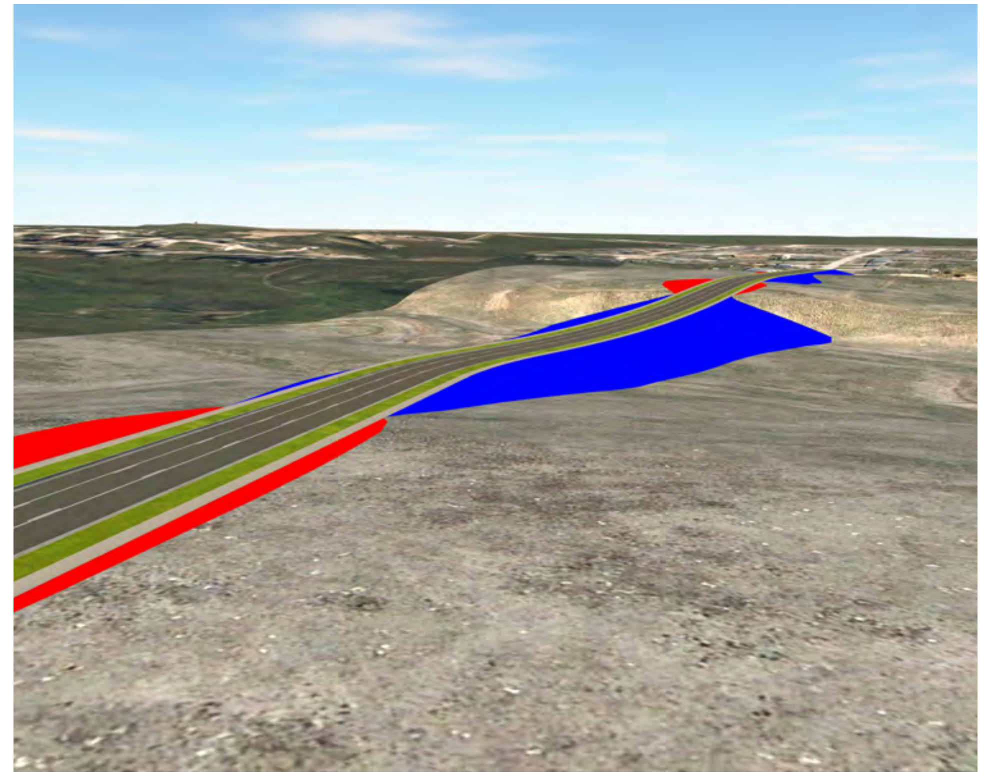
Corridor Length: 8,591 FT

Estimated Quantities

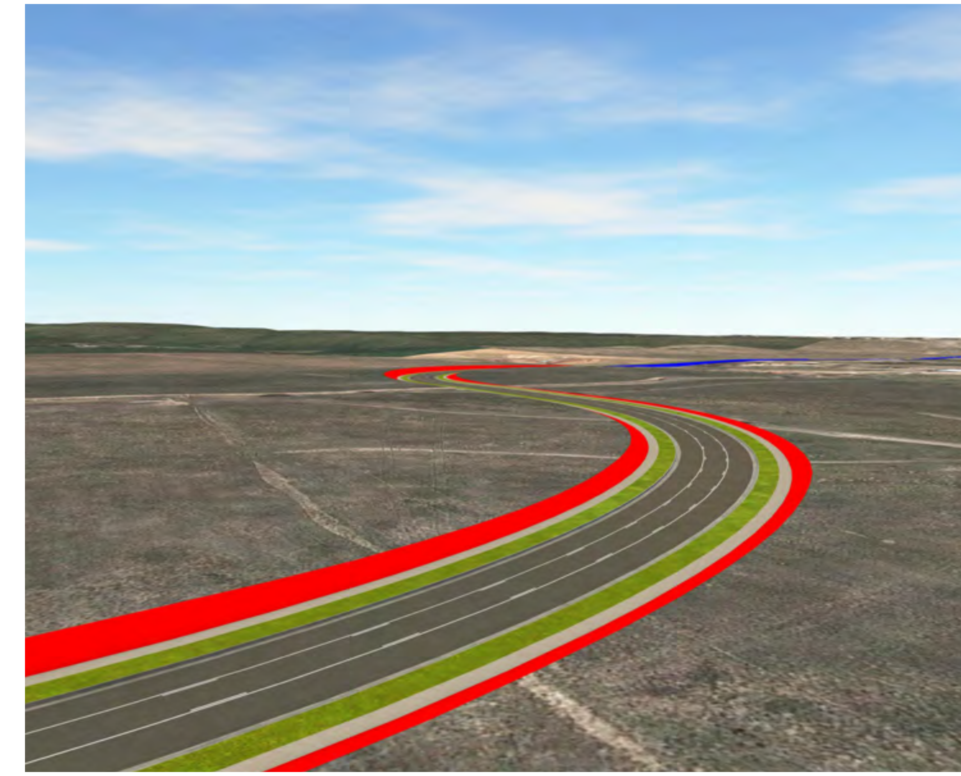
- Road Surface: 30,546 SY
- Earthwork Cut (Red): 18,445 CY
- Earthwork Fill (Blue): 111,520 CY

Segment Considerations:

- Design speed – 35 MPH.



Isometric looking northeast at station 72+00

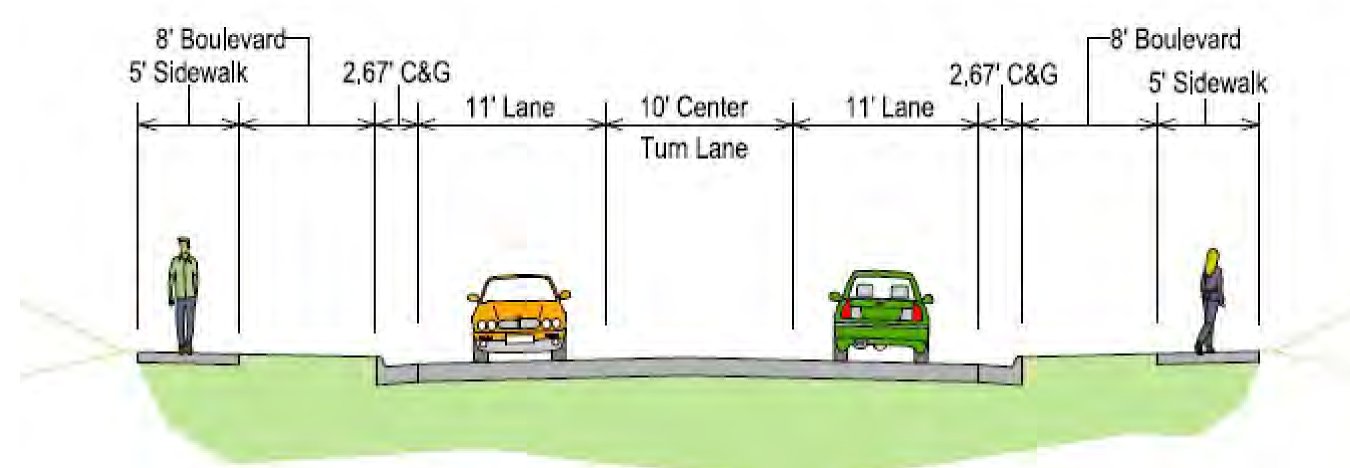


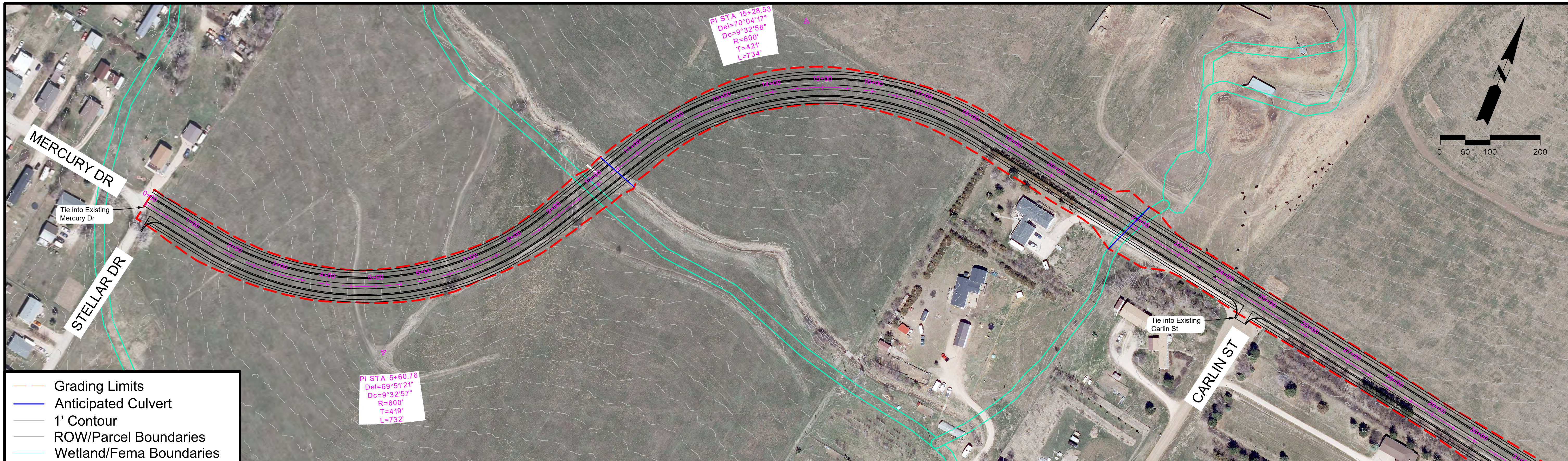
Isometric looking southwest at station 3+00

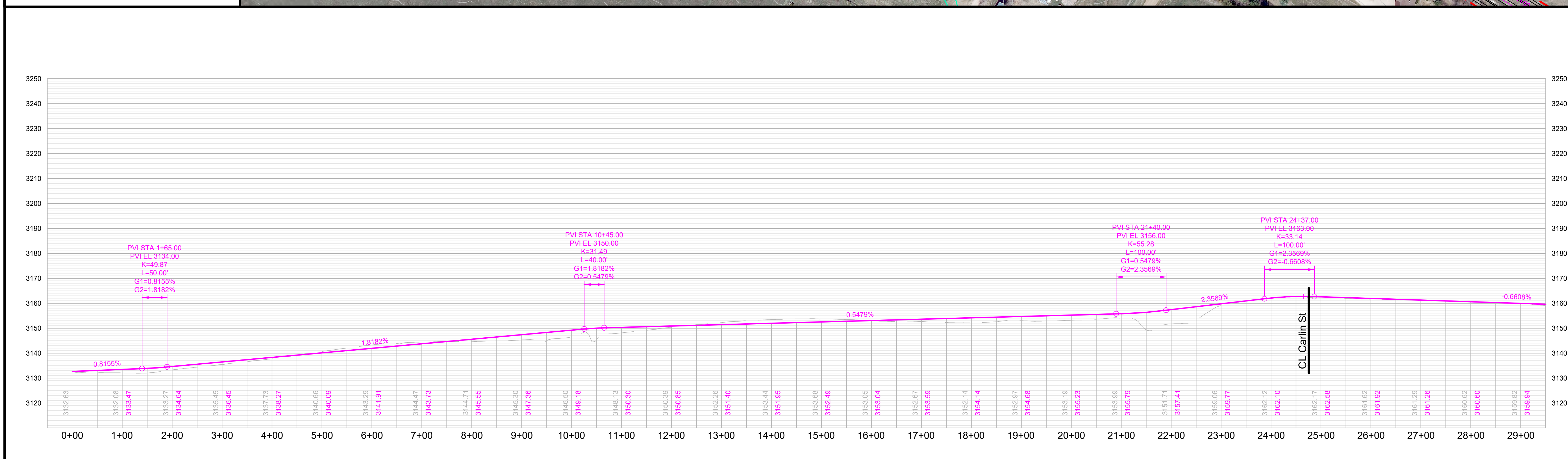
Segment Overview

Proposed Typical Section

3 Lane Collector





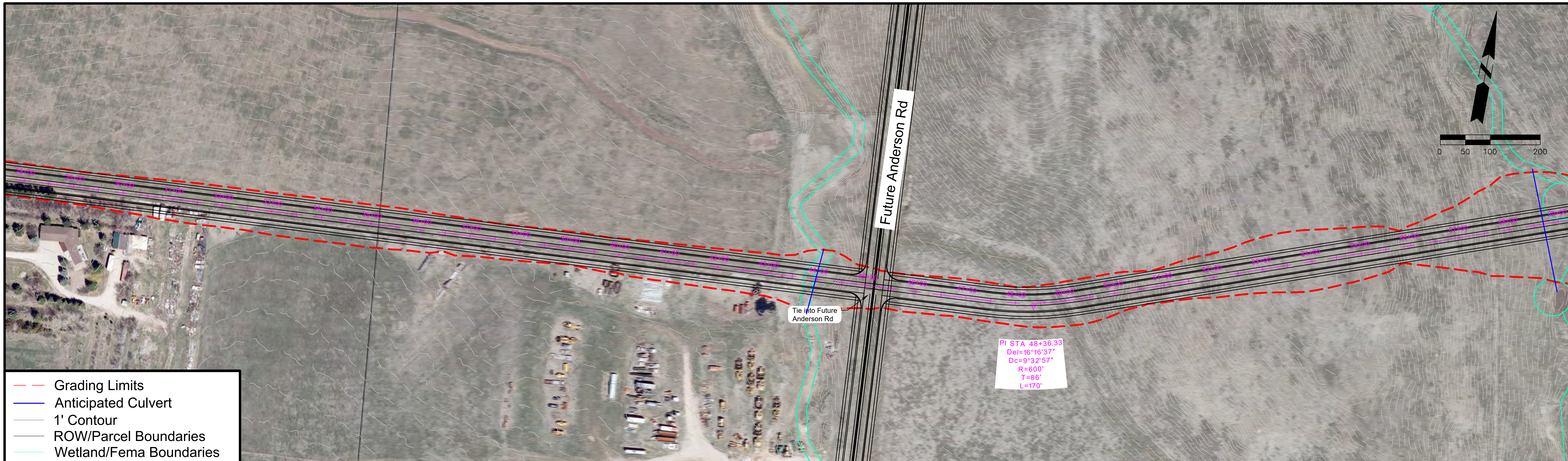


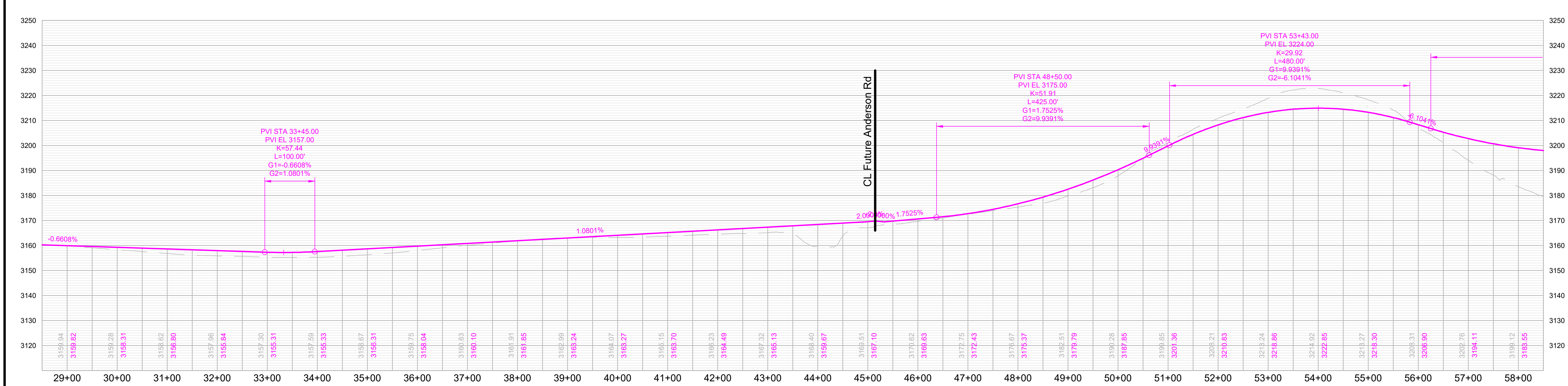
Mercury Drive

Stellar Dr to Quarter Horse Dr

SHEET

1 of 3





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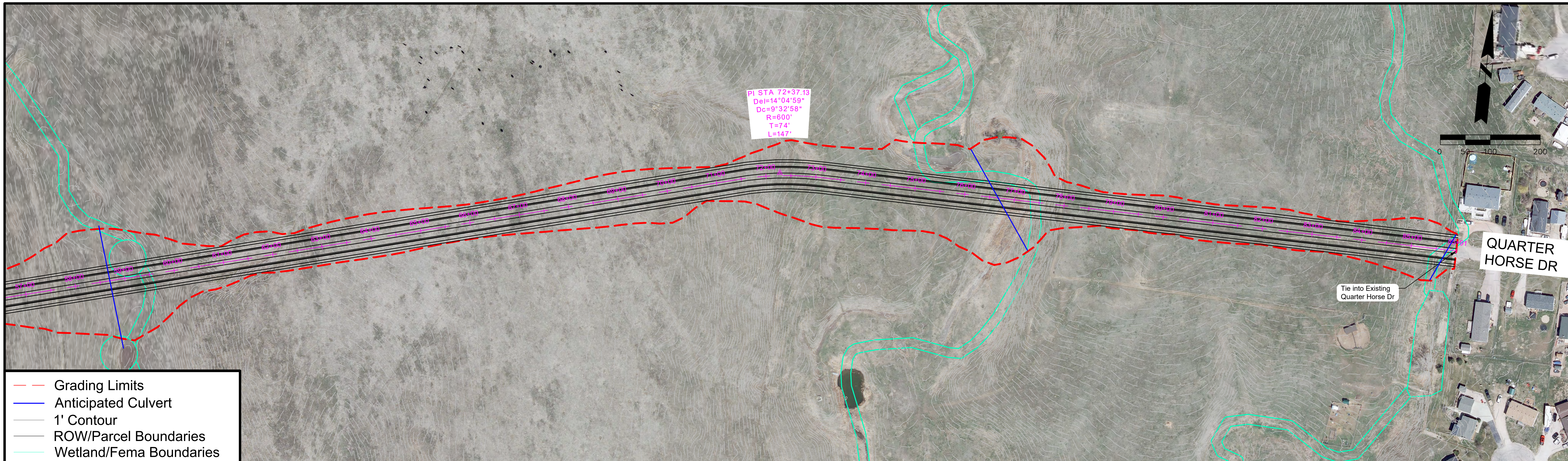
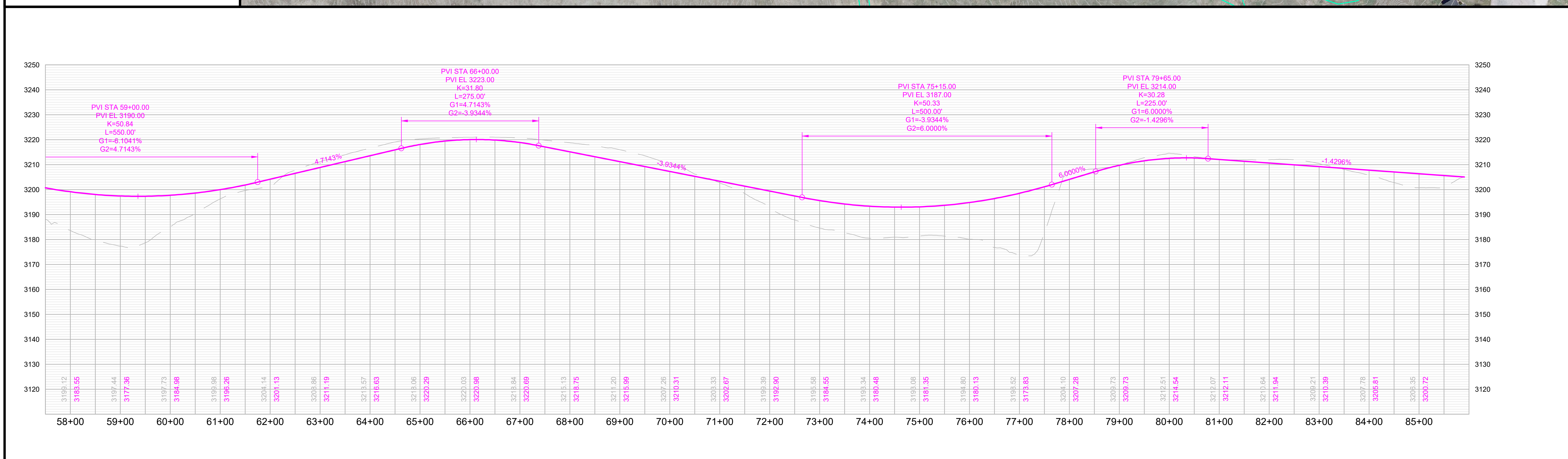
Mercury Drive

Stellar Dr to Quarter Horse Dr





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Mercury Drive

Stellar Dr to Quarter Horse Dr

Anderson Road

Long View Road to Anamosa Street

Classification: Minor Arterial

Corridor Length: 10,660 FT

Estimated Quantities

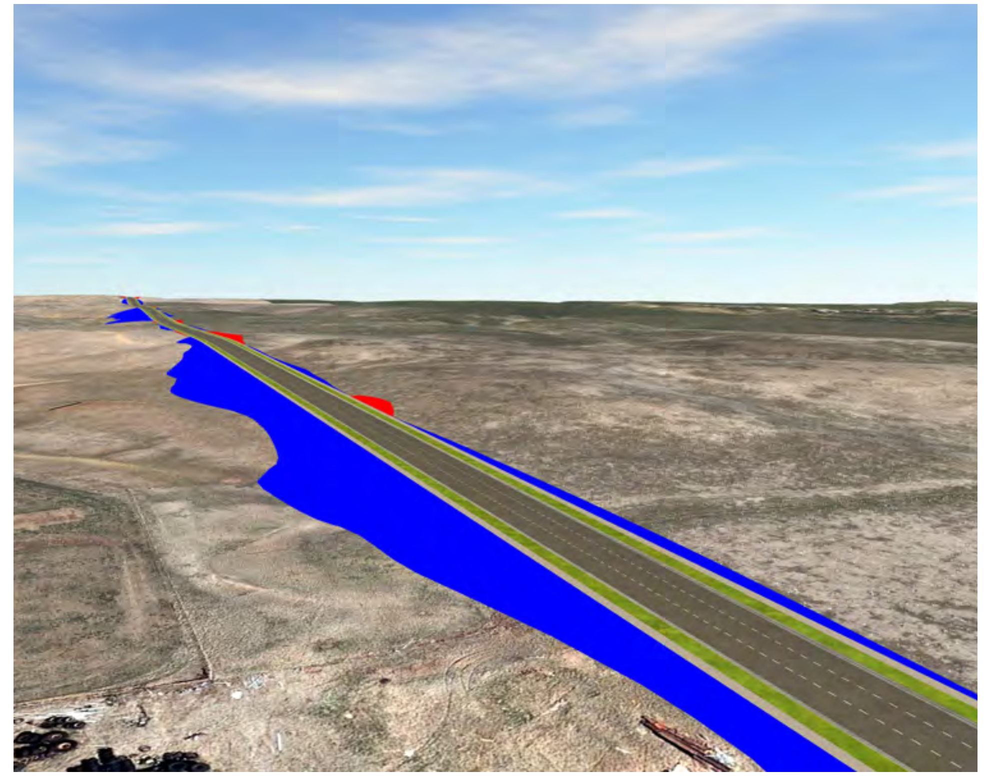
Road Surface: 42,640 SY

Earthwork Cut (Red): 53,034 CY

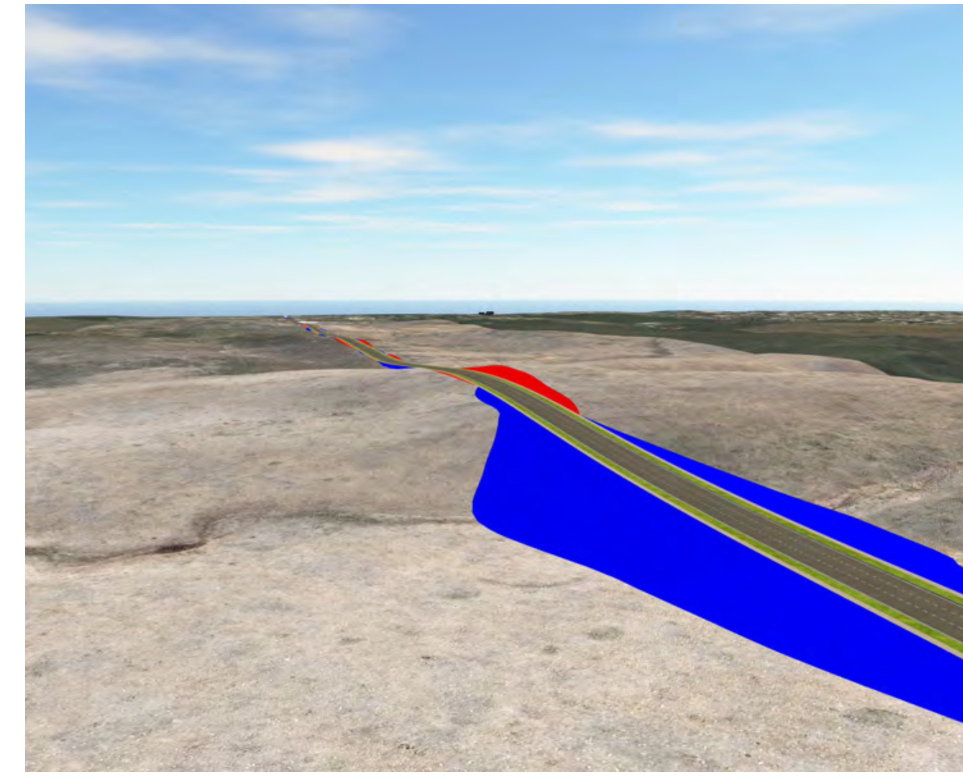
Earthwork Fill (Blue): 181,968 CY

Segment Considerations:

- Design speed – 45 MPH.



Isometric looking north at station 26+00

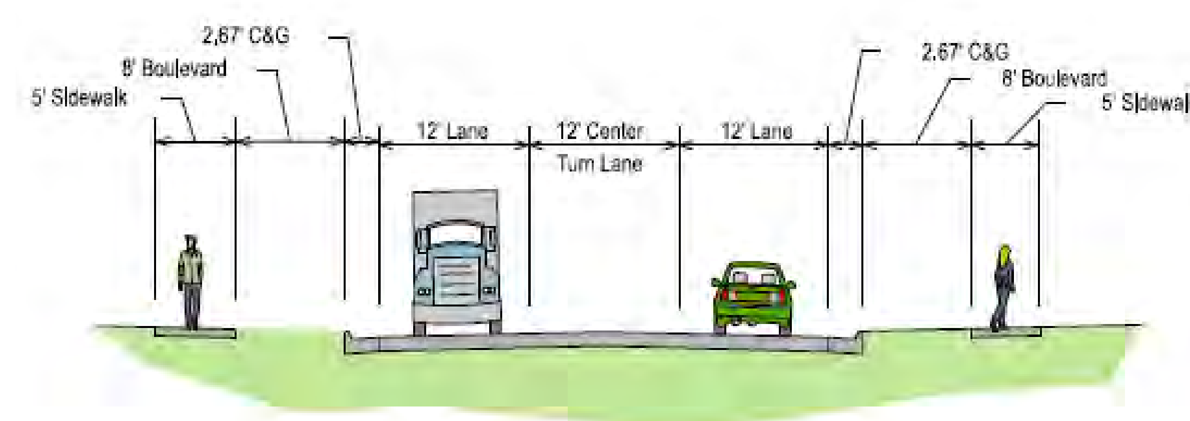


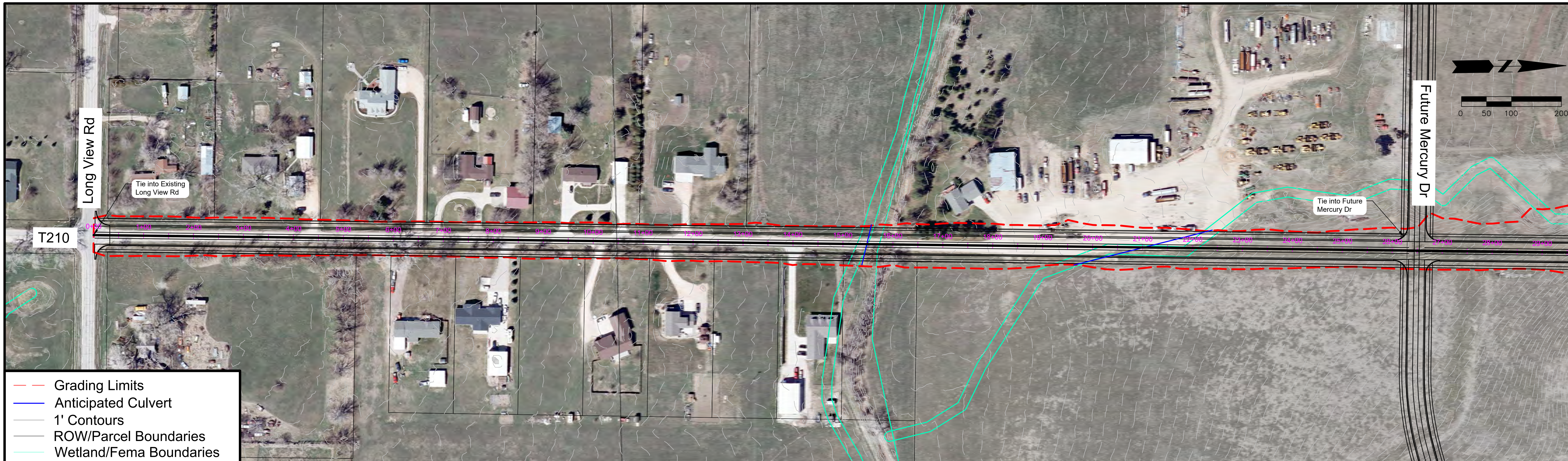
Isometric looking southeast at station 104+00

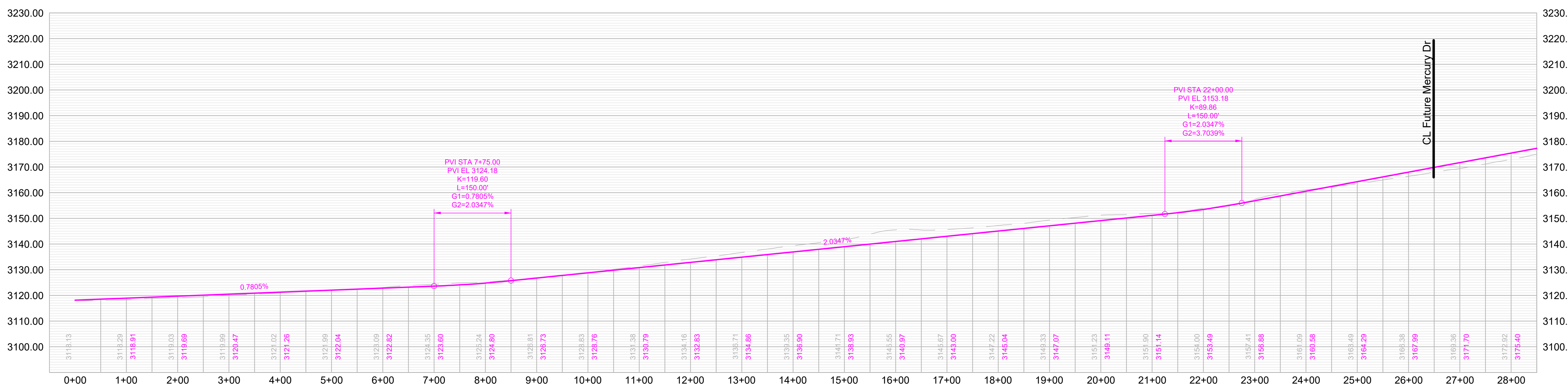
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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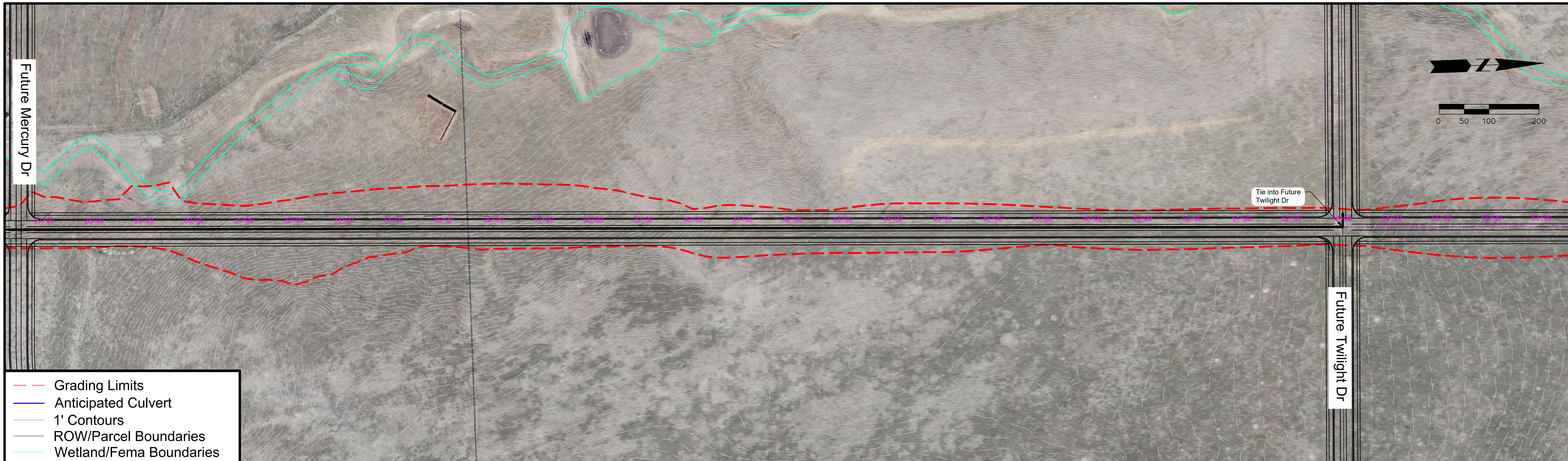
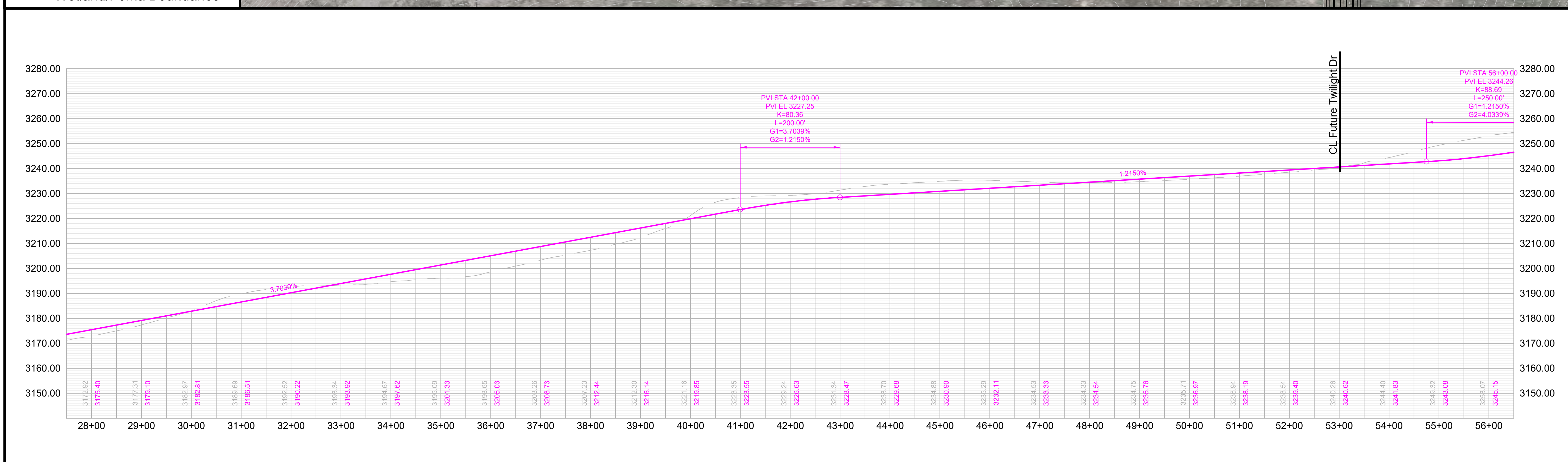
Anderson Road

Long View Rd to the Anamosa St

SHEET

1 of 4





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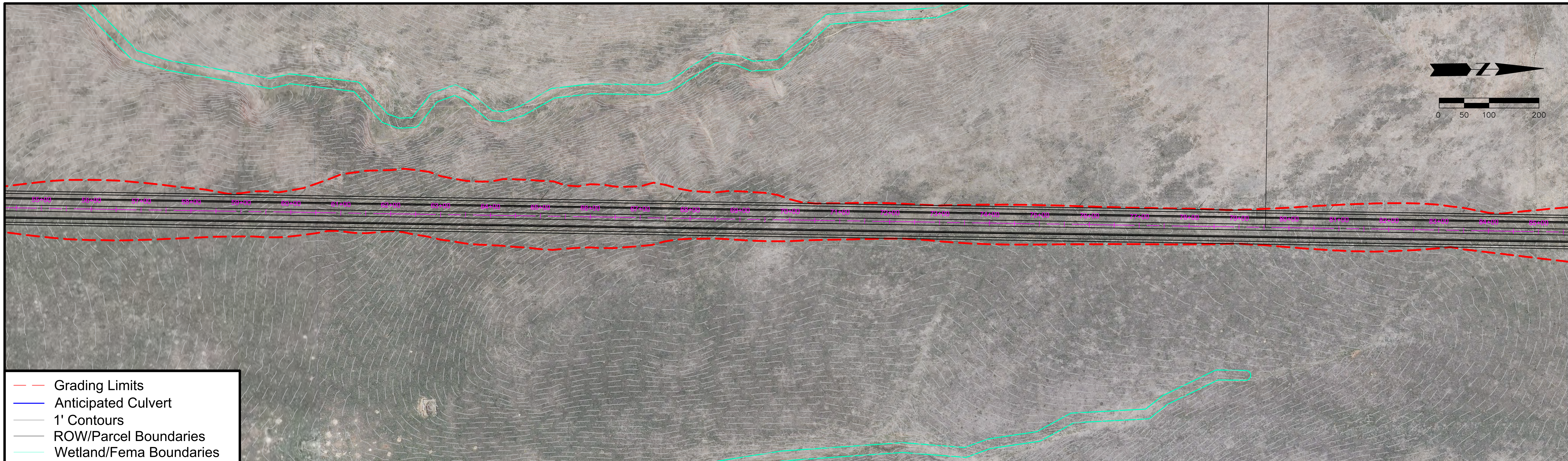
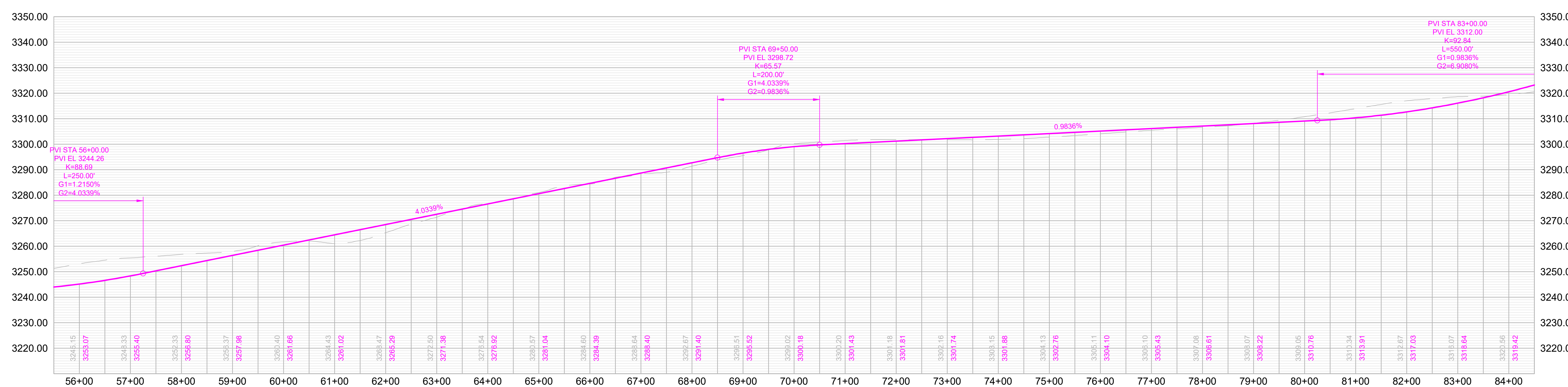
Anderson Road

Long View Rd to the Anamosa St

SHEET





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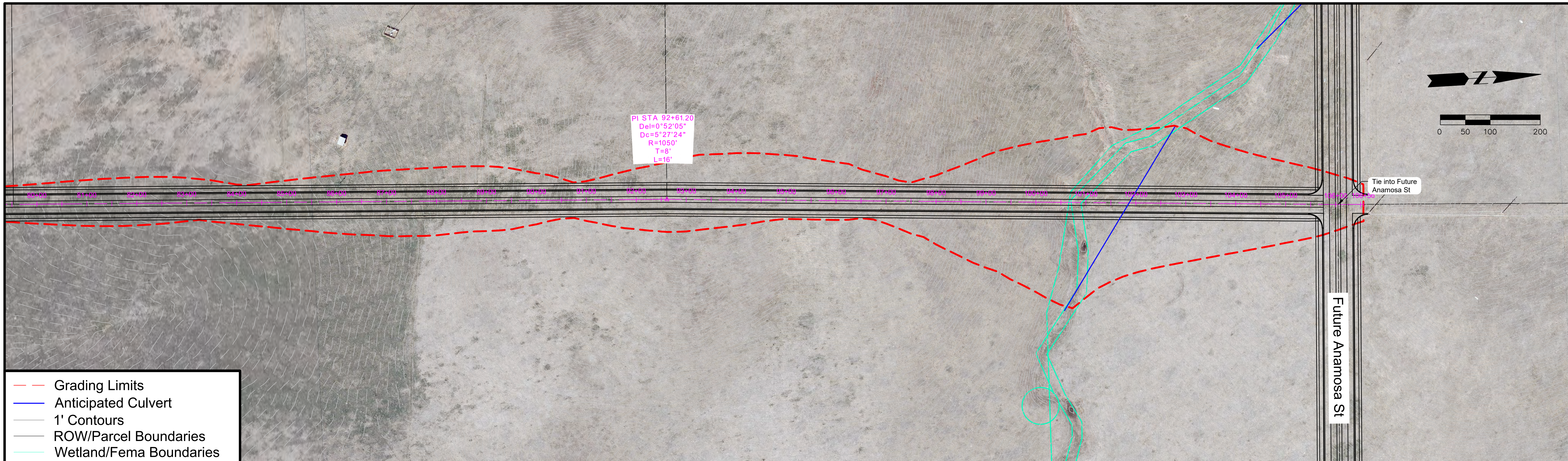
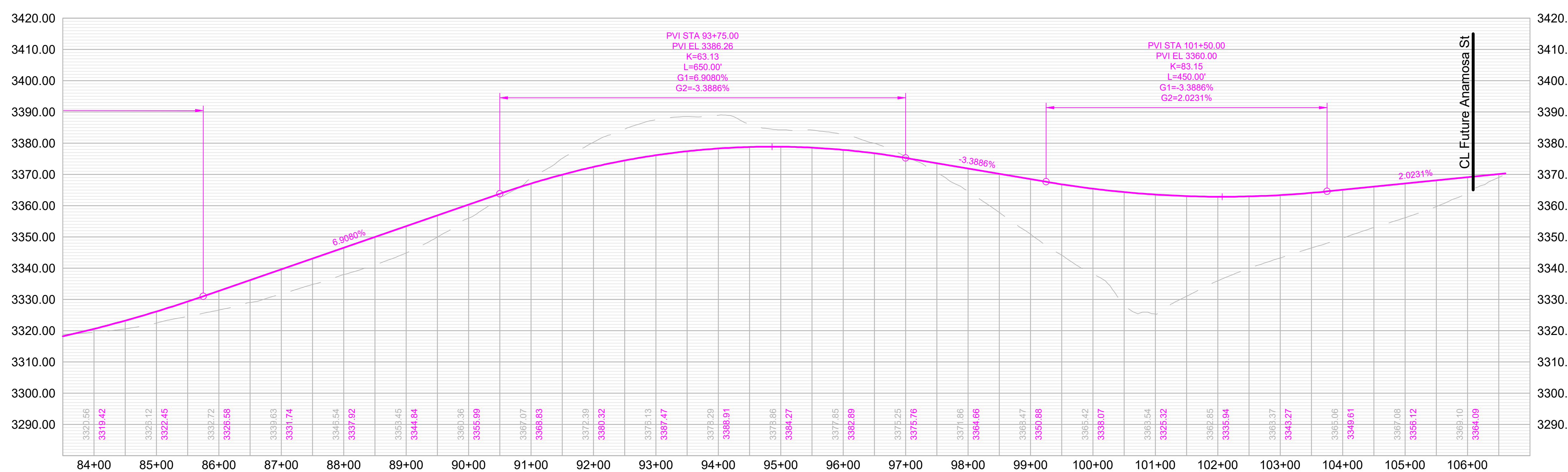
Anderson Road

Long View Rd to the Anamosa St

SHEET





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Anderson Road

Long View Rd to the Anamosa St

SHEET

Creek Drive

Viewfield Avenue to Philadelphia Street

Classification: Minor Arterial

Corridor Length: 1,345 FT

Estimated Quantities

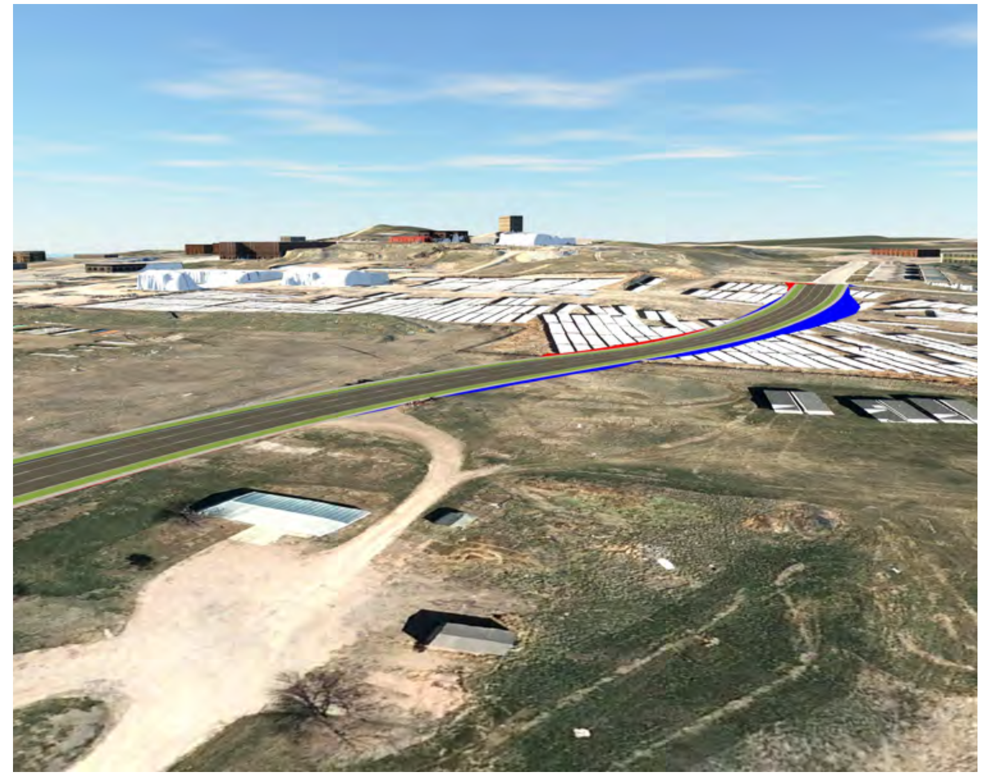
Road Surface: 5,380 SY

Earthwork Cut (Red): 1,085 CY

Earthwork Fill (Blue): 5,083 CY

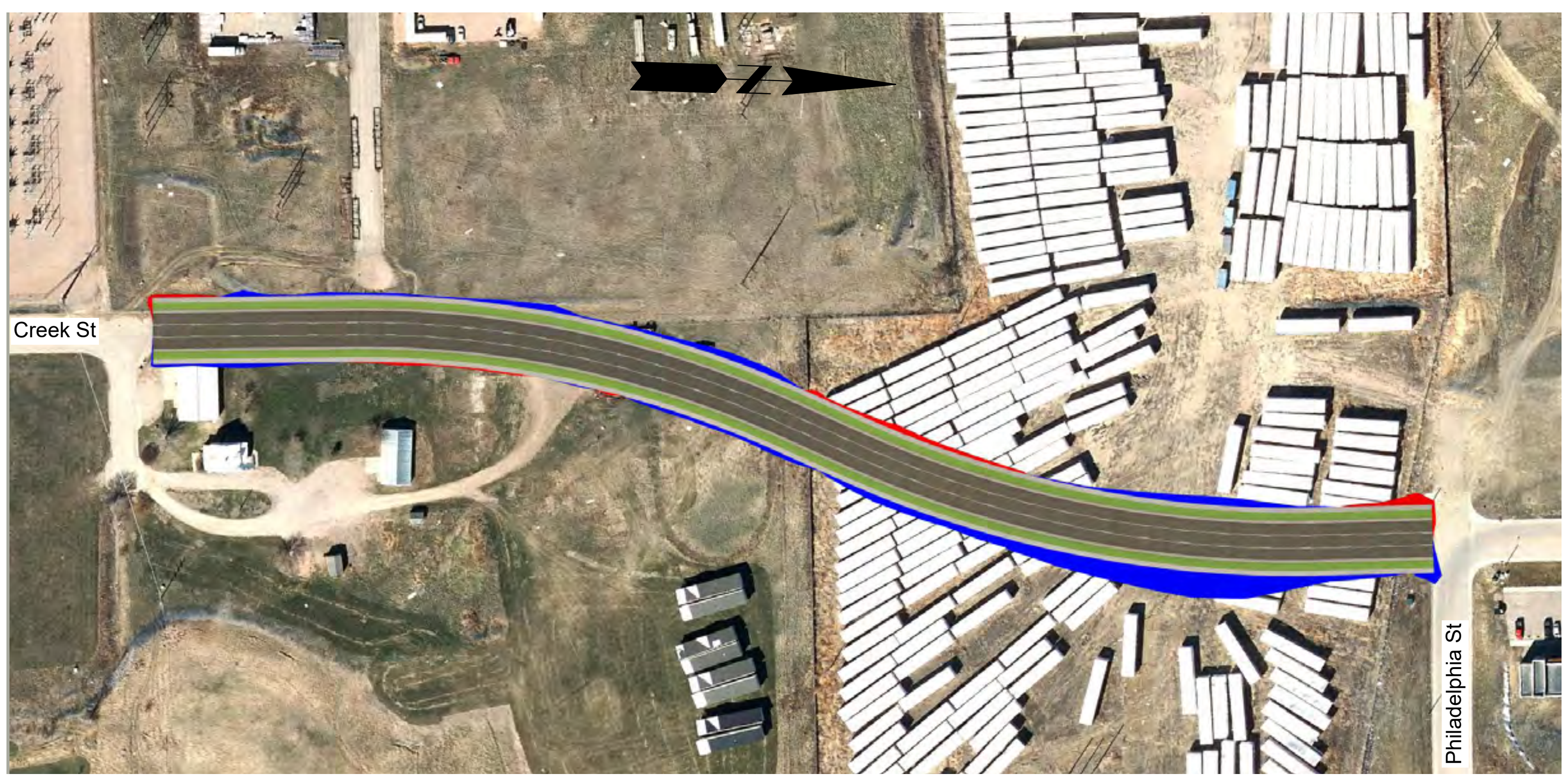
Segment Considerations:

- Design speed – 45 MPH.



Isometric looking northwest at station 7+00

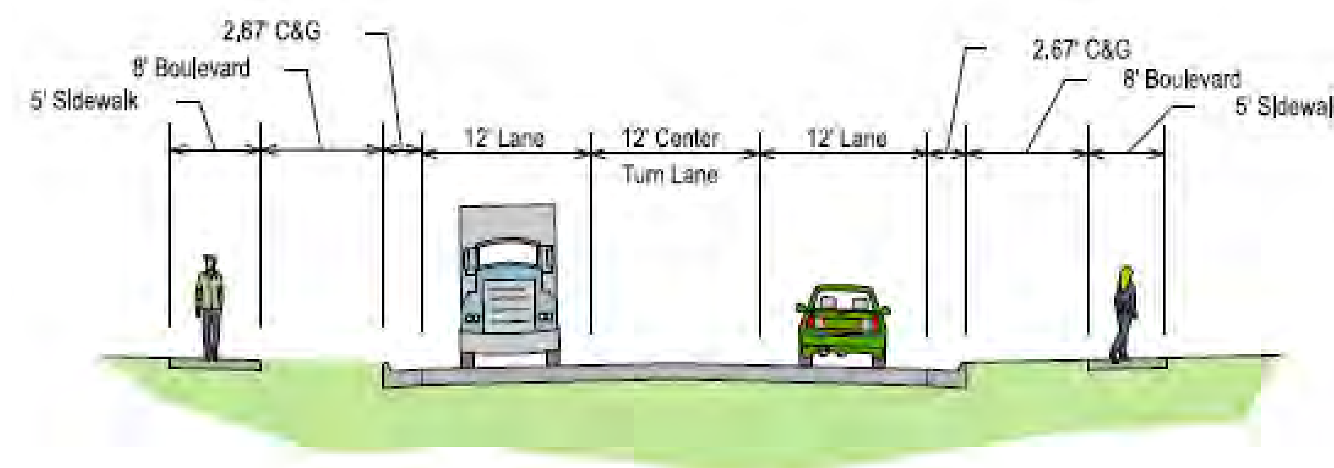
Isometric looking southeast at station 13+50

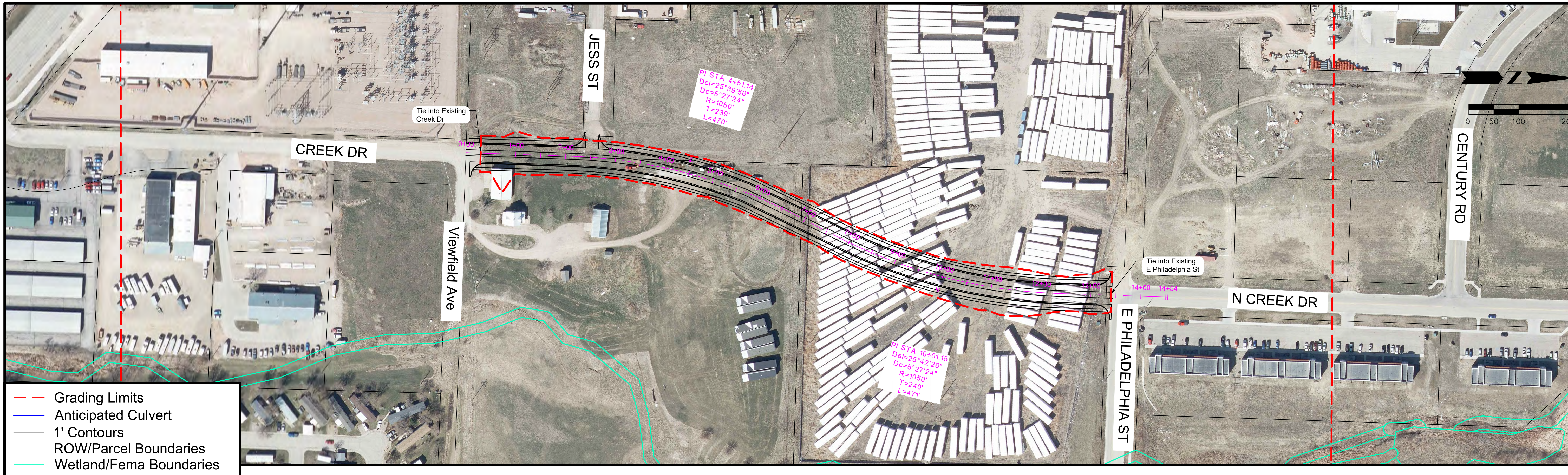


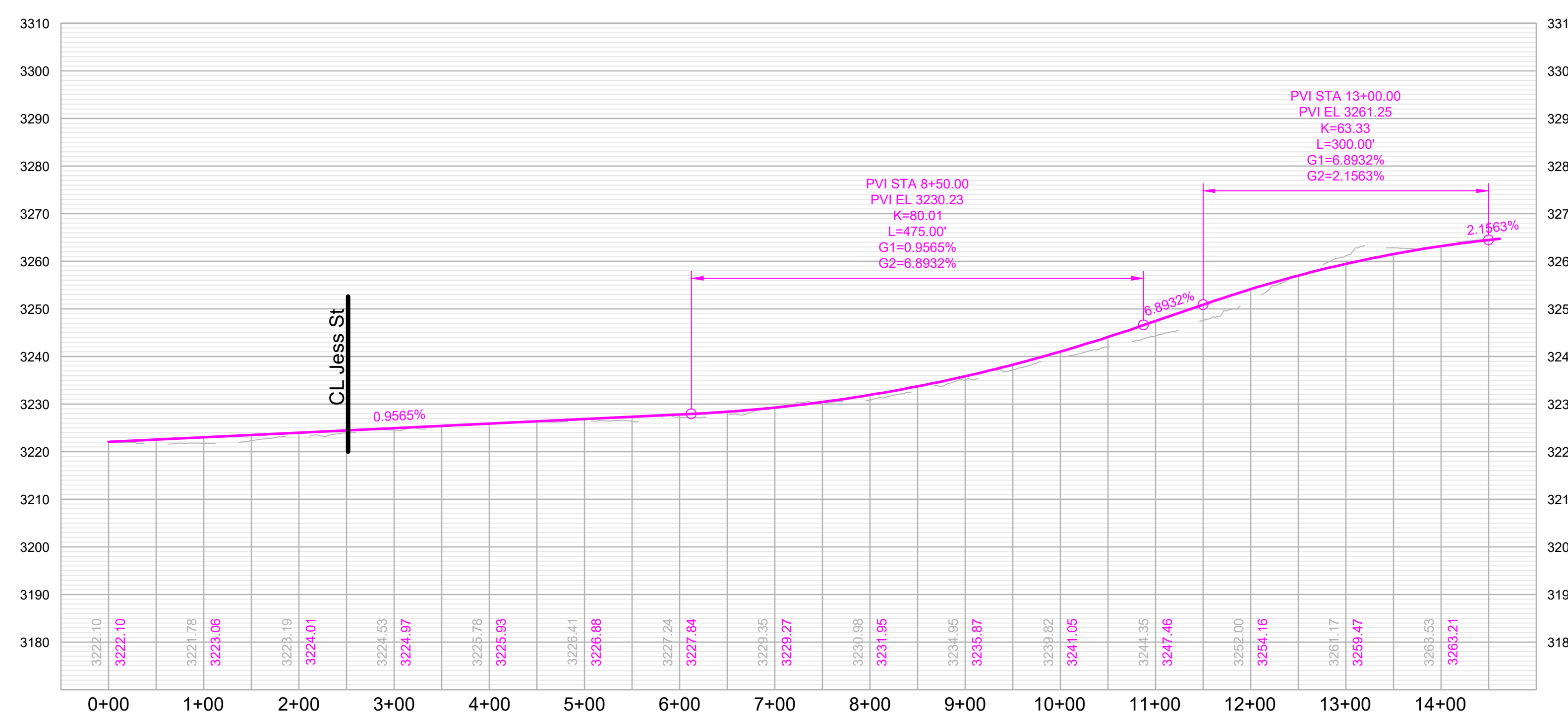
Segment Overview

Proposed Typical Section

3 Lane Minor Arterial







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Creek Drive

Viewfield Ave to Philadelphia St

SHEET

1 of 1