

Oversight / NHS

FHWA REGION VIII OVERSIGHT? NO YES

NATIONAL HIGHWAY SYSTEM? NO YES

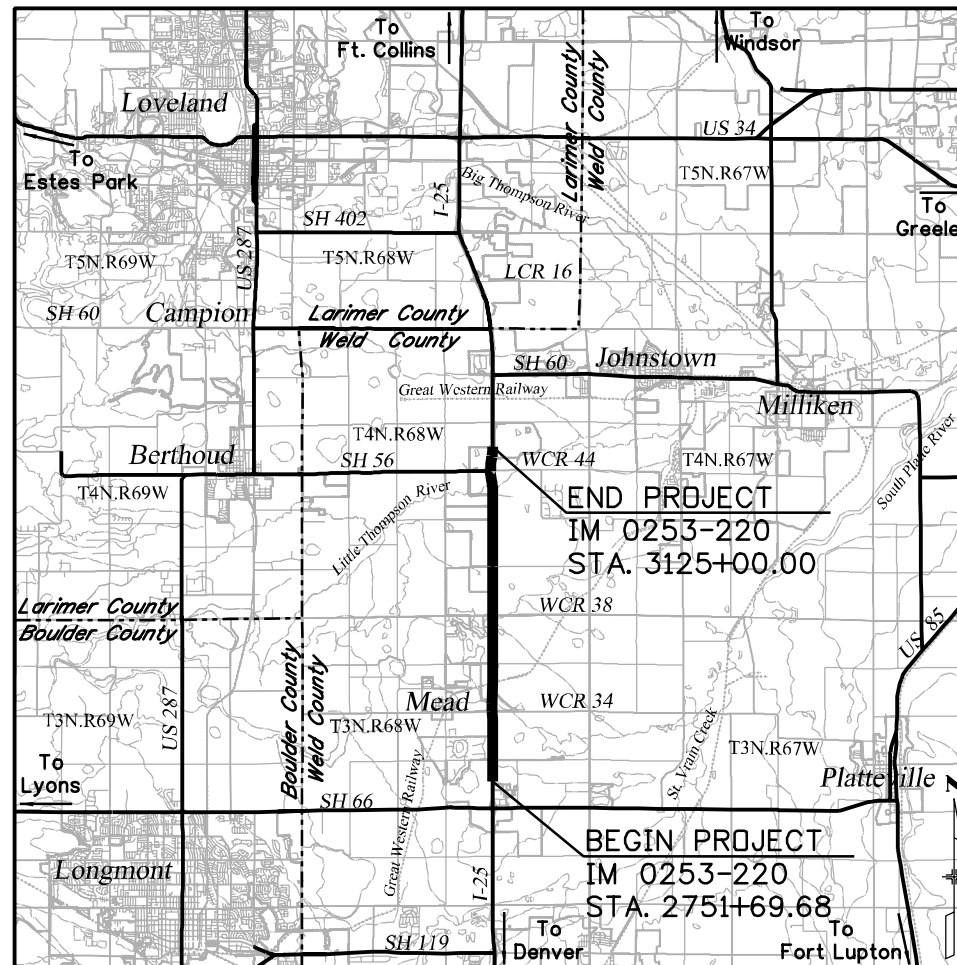
DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. IM 0253-220
INTERSTATE HIGHWAY NO. 25
WELD COUNTY
CONSTRUCTION PROJECT CODE NO. 18319
I-25 RECONSTRUCTION - NORTH OF SH 66 TO NORTH OF SH 56

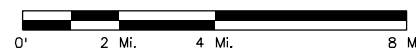
Related Projects:
P. E. UNDER PROJECT: IM 0253-220
Project Number: 18319
Project Code:
R.O.W. Projects:
R.O.W. Project Description
XXXXXXXXXXXXXXXXXX

20% SUBMITTAL
MARCH 2015

SEE SHEET 2 FOR
TABULATION OF LENGTH AND
DESIGN DATA



PROJECT LOCATION MAP



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Horiz. Scale: 1:1 Vert. Scale: As Noted
Unit Information Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289
Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

Contract Information
Contractor:
Resident Engineer:
Project Engineer:
PROJECT STARTED: / / ACCEPTED: / /
Comments:

Project No./Code
IM 0253-220
18319
Sheet Number 1

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TABULATION OF LENGTH & DESIGN DATA

STATION	LINEAR FEET	
	ROADWAY	MAJOR STRUCTURE
I-25 APPROACH TO PROJECT STA 37+91.90 TO STA 51+69.68 BEGIN PROJECT IM 0253-220 STA 2751+69.68 M.P. 244.02 STA 2761+16.64 TO STA 2762+68.64 STR. NO. D-17-CZ (NB), STR. NO. D-17-CY (SB) STA 2845+69.97 TO STA 2846+58.55 STR. NO. D-17-DB (NB), STR. NO. D-17-DA (SB) STA 3026+15.66 TO STA 3027+36.66 STR. NO. C-17-AT (NB), STR. NO. C-17-AS (SB) STA 3058+94.30 TO STA 3060+86.88 STR. NO. C-17-N (NB), STR. NO. C-17-A (SB) STA 3078+34.06 TO STA 3080+43.06 STR. NO. X-XX-XX (NB), STR. NO. X-XX-XX (SB) END PROJECT IM 0253-220 STA 3125+00.00, M.P. 251.09	1,377.78	
WCR 34 RAMP A (SB ON RAMP) BEGIN STA 100+00.00 END STA 120+67.43	2,067.43	
WCR 34 RAMP B (NB OFF RAMP) BEGIN STA 200+00.00 END STA 221+50.86	2,150.86	
WCR 34 RAMP C (NB ON RAMP) BEGIN STA 300+00.00 END STA 321+15.24	3,215.24	
WCR 34 RAMP D (SB OFF RAMP) BEGIN STA 400+00.00 END STA 421+21.48	2,121.48	
SH 56 RAMP E (SB ON RAMP) BEGIN STA 500+00.00 END STA 520+34.18	2,034.18	
SH 56 RAMP F (NB OFF RAMP) BEGIN STA 600+00.00 END STA 618+69.19	1,869.19	
SH 56 RAMP G (NB ON RAMP) BEGIN STA 700+00.00 END STA 721+64.54	2,164.54	
SH 56 RAMP H (SB OFF RAMP) BEGIN STA 800+00.00 END STA 819+96.88	1,996.88	

STATION	LINEAR FEET	
	ROADWAY	MAJOR STRUCTURE
WCR 32 BEGIN STA 3202+75.00 END STA 3216+76.12	1,401.12	
WCR 34 BEGIN STA 3398+00.00 STA 3408+67.85 TO STA 3411+92.19 STR. NO. D-17-DC END WCR 34 STA 3430+00.00	2,875.67	324.33
WCR 38 BEGIN STA 38001+00.00 STA 38011+25.22 TO STA 38014+49.55 STR. NO. C-17-AI END STA 38026+00.00	2,175.67	324.33
VALLEY ROAD BEGIN STA 4195+65.40 END STA 4204+12.09	846.69	
SH 56 BEGIN STA 4403+41.52 END STA 4444+00.00	4,058.48	
E FRONTAGE ROAD (S/O WCR 32 TO WCR 34) BEGIN STA 4997+38.88 END STA 5060+05.42	6,266.54	
E FRONTAGE ROAD (WCR 34 TO WCR 38) BEGIN STA 6000+00.00 END STA 6109+00.51	10,900.51	
E FRONTAGE ROAD (WCR 38 TO SH 56) BEGIN STA 7000+00.00 STA 7139+07.44 TO STA 7140+83.94 EXISTING STR. NO. C-17-FS (TO REMAIN) END STA 7162+07.48	16,030.98	(176.50)
E FRONTAGE ROAD (SH 56 NORTH) BEGIN STA 8000+00.00 END STA 8047+56.58	4,756.58	
W FRONTAGE ROAD BEGIN STA 9000+00.00 END STA 9081+85.74	8,185.74	
PARK N RIDE ACCESS ROAD BEGIN STA 44800+00.00 END STA 44820+24.65	2,024.65	
PARK N RIDE LOOP ROAD BEGIN STA 44900+00.00 END STA 44910+91.64	1,091.64	
TOTAL (FEET)	116,942.17	1,411.82
SUMMARY OF PROJECT LENGTH	FEET	MILES
ROADWAY	116,942.17	22.15
MAJOR STRUCTURE	1,411.82	0.27
PROJECT GROSS LENGTH	118,353.99	22.42

DESIGN DATA	I-25	RAMPS	WCR 32	WCR 34	WCR 38	VALLEY ROAD	SH 56	E. FRONTAGE RD	W. FRONTAGE RD
MINIMUM RADIUS OF CURVE	3050 FT	2040 FT	711 FT	926 FT	711 FT	533 FT	926 FT	1500 FT	1500 FT
MAXIMUM GRADE	3.5%	5%	4%	4%	4%	4%	4%	4%	4%
MINIMUM S.S.D. HORIZONTAL	910 FT	730 FT	360 FT	425 FT	360 FT	305 FT	425 FT	570 FT	570 FT
MINIMUM S.S.D. VERTICAL	910 FT	730 FT	360 FT	425 FT	360 FT	305 FT	425 FT	570 FT	570 FT
DESIGN SPEED	80 MPH	70 MPH	45 MPH	50 MPH	45 MPH	40 MPH	50 MPH	60 MPH	60 MPH
2015 TRAFFIC									
ADT	65,000	1,600	3,200	2,900	5,900	150	4,900	1,750	680
DHV	5,850	180	320	250	590	15	540	120	70
2035 DESIGN TRAFFIC									
ADT	105,300	9,000	4,800	13,600	8,700	200	18,500	2,600	1,000
DHV	9,500	760	500	1,100	870	20	1,500	180	100
DHV TRUCK %	9.9%	10%	5%	5%	5%	2%	5%	10%	5%
CLEAR ZONE (TANGENT)	30 FT	30 FT	18 FT	18 FT	18 FT	18 FT	18 FT	18 FT	18 FT

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 CONSULTING ENGINEERS Lakewood, CO 80226
 Pz/12-003.01/18319/Design/ 303-988-4939

Sheet Revisions

Date:	Comments	Init.

20% SUBMITTAL

Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
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Region 4 **JFF**

As Constructed

No Revisions:
 Revised:
 Void:

I-25 FROM N/O SH 66 TO N/O SH 56
TABULATION OF LENGTH & DESIGN DATA

Designer: RKZ Structure Numbers
 Detailer: MAW Subsets
 Sheet Subset: GENERAL Subset Sheets: 1 of 1

Project No./Code
 IM 0253-220
 18319
 Sheet Number **2**

Technical Memorandum



Subject: I-25 (N/O SH 66 to N/O SH 56) - 20 Percent Plans

Date: March 5, 2015

By: Steve Gabriszeski, PE, Muller Engineering Company
Robbie Zephirin, Muller Engineering Company

Project Background

Following the completion of the Final EIS for the I-25 North Corridor including the identification of the preferred alternative from N/O SH 66 to N/O SH 56, CDOT initiated preliminary design for this segment. The design has been advanced to a 20% design submittal.

Goals of the 20% submittal are to advance the design beyond the EIS concept level to a point that an interim technical review can take place for this segment of I-25, to provide a status set that stakeholders can refer to and review, to provide an approximate right-of-way impact line, to provide a preliminary construction cost estimate, to identify existing utilities and potential conflicts, and to identify approximate environmental impacts.

Inclusions in the 20% Design:

The 20% plans include typical sections, draft mainline pavement section, roadway geometry, plan sheets, roadway profiles, preliminary guardrail design, major drainage and irrigation sizing, major culvert concept profiles, water quality concept layout, an approximate proposed right-of-way line, utility conflict plans, retaining wall concept design, bridge plan and profile sheets, and basic cross sections. In addition, draft drainage, traffic, and structural technical reports are included. Interchange type selection reports have been submitted and reviewed by CDOT.

Exclusions from the 20% Design:

Please note that there are limitations of the 20% submittal in that there are numerous preliminary design project elements which have yet to be included. Elements which are not included are: Additional review and vetting of the inclusions listed above, intersection and access details, railroad crossing details, minor drainage design, water quality details, refined toes of slope, refined retaining wall layouts, final structure selection reports, major structure cross sections, refined right-of-way line, temporary easements, traffic signal plans, ITS plans, construction phasing plans, utility relocations, and refined cross sections. As such there are several outstanding risk factors including stakeholder review, right-of-way definition, and utility, railroad and irrigation coordination.

Project Description

The 20% plans depict the ultimate configuration of I-25 from north of SH 66 to north of SH 56. The ultimate configuration consists of three general purpose lanes and one tolled express lane in each direction. When first implemented as cleared in the Phase 1 ROD, the project will

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Technical Memorandum
I-25 (N/O SH 66 to N/O SH 56) – 20 Percent Plans
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consist of an interim configuration of two general purpose lanes and one tolled express lane in each direction.

There are two interchanges in this segment, Weld County Road 34, serving the Town of Mead, and State Highway 56, serving the Town of Berthoud. Both interchanges are identified for full reconstruction. Based on the interchange type selection reports, both interchanges are recommended to be constructed as diamond interchanges with roundabout ramp terminals.

In addition to those at the two interchanges, all existing bridges will be replaced with new bridges, including I-25 mainline bridges over Weld County Road 32, the Great Western Railway, Valley Road, and the Little Thompson River, and the WCR 38 overpass above I-25.

The purpose of this memorandum is to provide a high level overview of the 20% submittal of the I-25 reconstruction from N/O SH 66 to N/O SH 56. With this memo we intend to help identify key locations for CDOT emphasis of review, current design issues, options, and assumptions made in developing the accompanying set of 20% design plans and reports.

Design

I-25 Mainline:

- **South Approach to Project:** Since the ultimate design is depicted in the plans, further refinement is required to determine how the existing lanes to the south will transition to the proposed lanes north of SH 66 in the interim condition. One alternative is to build the outside lanes first, to match with the segment to the south. Another alternative is to build the inside lanes first; this option would require a redirect taper north of the SH 66 interchange. A design memorandum has been prepared outlining the various options under consideration.
- **North Approach to Project:** An approach to project is not shown on the north end of this segment, as this plan set depicts the ultimate design which will continue in the segment from SH 56 to SH 402. If this segment were to be built as a standalone project, the vertical profile and horizontal alignment would be modified on the north end to tie in to existing.
- **Guardrail:** Lengths of guardrail are approximate. Lengths are subject to revisions based on AASHTO Roadside Design Guide length of need calculations during further refinement of the design.
- **Profile over WCR 32:** A 2-span bridge section is currently depicted for I-25 over WCR 32 due to the desire to minimize grade difference between existing and proposed mainline, and to aid in traffic control. Further refinement of the mainline profile is possible in this area depending on the depth of the selected structure type. Further coordination with the Town of Mead is needed regarding this configuration.
- **I-25 Horizontal Curves from WCR 32 to WCR 34:** Large radius curves were included in order to comply with AASHTO guidance on curve lengths with small deflection angles. The curves are sufficiently large so that superelevation is not required.

I-25 Reconstruction: SH 66 to North of SH 402

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Drawing File Name: 18319DES_TechMemo.dgn		Date: Comments		2207 East Highway 402 Loveland, CO 80537 Phone: 970-622-1268 FAX: 970-669-0289		No Revisions:		20% TECHNICAL MEMORANDUM		IM 0253-220	
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- **Existing Berm:** The vegetated berm from Sta 2868+00 to Sta 2887+00 will most likely need to be reestablished to continue to function as a visual and noise barrier for the Vale View housing development. This is not reflected in the plans.
- **I-25 Profile over the Little Thompson River:** The profile of I-25 in the vicinity of the bridges over the Little Thompson River was designed prior to CDOT's post-flood update of the river hydrology in 2014 and 2015. As such, the profile as currently shown only allows for a three span structure to accommodate the freeboard criteria. As design progresses, consideration should be given to raising the mainline profile in this vicinity to accommodate the new flows. It should be noted that if a two or three span structure is selected over the Little Thompson River, the low flow channel can be re-graded, provided that any wetlands that are impacted are mitigated in the vicinity and a natural low flow stream channel is constructed.
- **I-25 Maintenance Access:** At this level, proposed median crossover locations are indicated to be in the same locations as existing crossovers. Also, maintenance access roads are indicated at the WCR 32 and Valley Road underpasses. Further coordination with Region 4 Maintenance is needed to confirm the crossover locations and the need for access roads.
- **Tolled Express Lane Access Zones:** Tolled Express Lane access zones and toll point locations are depicted in the plans per the draft *Concept of Operations for I-25 North Managed Lanes* by Apex Design, dated July 2013. Depending on how the toll lanes are implemented, these locations are subject to change.

Interchange Ramps:

- **Ramp C (WCR 34 NB On Ramp):** Further evaluation is needed to determine if a retaining wall should be designed instead of the Guardrail Type 7 Style CE shown to accommodate grading between the ramp and the existing frontage road and wetlands. At this time, the existing frontage road in this stretch is envisioned to be preserved and converted into an access road into an existing business property.
- **Ramp E (SH 56 SB On Ramp):** A design decision was made to use a design speed of 50 mph for the approach curve in order to minimize bridge width and to maintain a normal crown on the proposed southbound Little Thompson River bridge. A higher design speed can be considered, however this would have cost implications for the bridge, as it could add additional structure surface area and/or require a grade break on the cross slope of the structure.
- **Ramp F (SH 56 NB Off Ramp):** A design decision was made to implement a taper type ramp design with a design speed of 50 mph at exit from I-25 to maintain a normal crown on the proposed NB Little Thompson River bridge, with a parallel deceleration lane approaching the exit ramp.

I-25 Reconstruction: SH 66 to North of SH 402

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- **Ramp H (SH 56 SB Off Ramp):** A retaining wall may be warranted adjacent to the existing residence and the oil and gas facility. This is not reflected in the plans.

Weld County Road 32:

- **Criteria:** Town of Mead 2-lane minor arterial design criteria was used with a 45 mph design speed. The bridge span accommodates a buildout 4-lane section.
- **Typical Section:** The Town of Mead urban roadway section with sidewalks is depicted in the plans for WCR 32. Further coordination is needed with the town to confirm whether this is the desired section to be constructed in an interim condition.
- **Typical Section:** WCR 32 will require a slightly wider, raised median than is currently shown in order to accommodate a center pier if two span I-25 structures are selected.
- **Profile:** The design depicted avoids substantial lowering of the WCR 32 profile so as to avoid impacting Northern Colorado Water Conservancy District water main, and to address drainage concerns beneath WCR 32.

Weld County Road 34:

- **Criteria:** Town of Mead 4-lane major arterial design criteria was used with a 50 mph design speed.
- **Interchange Type:** A diamond interchange with roundabouts is depicted at WCR 34 per the interchange type selection report dated May 7, 2014.
- **Roundabouts:** Design of the roundabouts at the interchange is at a preliminary level that depicts approximate inscribed diameter and footprint. Preliminary turning templates have been generated. Further refinement is needed with regard to entry and exit curve radii, flare lengths and additional lane lengths upon entry.
- **Bike Lane:** A wide shared use sidewalk is depicted between roundabouts on the WCR 34 bridge in lieu of bike lanes due to safety concerns with continuing bike lanes through roundabouts.


Weld County Road 38:

- **Criteria:** Town of Mead 2-lane minor arterial design criteria was used with a 45 mph design speed. The *Town of Mead Transportation Plan*, dated January 15, 2013, identifies WCR 38 as a minor arterial that is a 2-lane road in 2035 and a 4-lane road at build out. The 20 percent set reflects a 2-lane bridge that can ultimately be widened in the future to accommodate a 4-lane section. Further coordination with the Town of Mead is needed regarding this configuration.
- **Horizontal Alignment:** The proposed WCR 38 alignment is shifted slightly to the north to allow for the bridge to be built in two phases and to avoid impacts to the historic Olson Farm.

I-25 Reconstruction: SH 66 to North of SH 402

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Region 4 JFF

As Constructed	I-25 FROM N/O SH 66 TO N/O SH 56			
	20% TECHNICAL MEMORANDUM			
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- **Utility Implications of Alignment Shift:** A retaining wall along the north side of WCR 38 may be warranted in order to avoid impacts to the water lines and facilities in this area. Further coordination is required with Central Weld County Water District.
- **Other Considerations:** This location has been identified as a potential future interchange according to Town of Mead master planning. A second potential master planned interchange location is Weld County Road 40.

Valley Road (Weld County Road 42):

- **Criteria:** Weld County rural arterial design criteria was used.
- **Horizontal Alignment:** Proposed Valley Road is depicted 600' to the south of its existing location in order to line up with the section line for WCR 42. This was agreed upon at an access and development meeting with CDOT on December 20, 2012. This relocation results in large cuts in this vicinity.

State Highway 56:

- **Criteria:** CDOT design criteria was used with a 50 mph design speed.
- **Interchange Type:** A diamond interchange with roundabouts is depicted at SH 56 per the interchange type selection report dated May 8, 2014.
- **Interchange Configuration:** The EIS decisions to maintain the horizontal alignment shift and to vertically swap the interchange so that I-25 will cross over SH 56 were validated in the memorandum *Proposed SH 56 / WCR 44 Interchange Configuration*, dated December 12, 2012.
- **Roundabouts:** Design of the roundabouts at the interchange is at a preliminary level that depicts approximate inscribed diameter and footprint. Preliminary turning templates have been generated. Further refinement is needed with regard to entry and exit curve radii, flare lengths and additional lane lengths upon entry.
- **Bridge Span:** The bridge span can accommodate future SH 56 widening in the event that the roundabouts are converted to signalized intersections and left turn lanes and bike lanes are warranted.
- **Bike Lane:** A wide shared use sidewalk is depicted between roundabouts in lieu of bike lanes due to safety concerns with continuing bike lanes through roundabouts.

Frontage Roads:

- **Criteria:** CDOT design criteria was used with a 60 mph design speed. The design speed of the curves of the frontage roads steps down from 60 mph to 40 mph as it approaches intersections with cross streets.
- **Criteria:** Spiral curves were used in accordance with CDOT M&S Standard Plans, July 2012.

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- **Criteria:** 35 mph low speed urban design criteria was used for the east frontage road reverse curves in the section that is south of WCR 32. This section of road effectively functions as the entrance road to the I-25 Business Park.
- **Southern Terminus:** The south end of the east frontage road reconstruction terminates at Camelot Circle to minimize impacts to existing development.
- **Horizontal Alignment:** Frontage roads at the intersections with WCR 32 and Valley Road bump out horizontally to minimize the need for retaining walls in these areas.
- **Horizontal Alignment:** The location of the east frontage road that runs parallel to I-25 between WCR 32 and WCR 34 was set to eliminate the need for retaining walls between the mainline and the frontage road. This results in a slight increase in impacts to the open space property from what was depicted in the EIS.
- **Alignment and Profile:** The proposed east frontage road north of WCR 34 has been realigned both horizontally and vertically from the EIS design in order to minimize the impacts to wetlands, optimize the crossing angle at North Creek, and elevate the frontage road above the North Creek floodplain.
- **North Creek Crossing:** As a design alternative, bridges may be utilized on I-25 and the east frontage road at the North Creek crossing instead of the 4-cell CBC depicted in the plans, pending further coordination and a benefit-cost comparison.
- **Horizontal Alignment:** Recent oil and gas development north of the Great Western Railway crossing may have minor impacts to the east frontage road alignment in this area.
- **Profile:** The east frontage road vertical grade approaching WCR 38 from the south is depicted as steeper than desirable (6.2% versus 4%), due to vertical constraints. I-25 cannot be lowered in this vicinity due to the shallow large Highland Lake Lateral Ditch box culvert, and the profile of WCR 38 must be raised substantially compared to the existing bridge due to the requirement for no center pier. Alternate bridge types may mitigate the steep frontage road grade.

Park and Ride Facilities:

- **Access Road:** The proposed park and ride access road at the intersection with SH 56 has been moved further to the west than was depicted in the EIS. This is in order to line up the road across from the proposed Loves Travel Stops development on the south side of SH 56. Further design is required to verify the location and the left and right turn lane requirements at this intersection.
- **Access Road:** Low speed urban design criteria was used to design the reverse curves north of SH 56 on the park and ride access road.

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Unit Information Unit Leader Initials						Void:		Detailer: LMR		Numbers	
				Region 4		JFF		Sheet Subset: MEMO		Subset Sheets: 3 of 4	
		20% SUBMITTAL								Sheet Number 5	

- **Access Road:** Additional survey is required to finalize the design of the access road.
- **Loop Road and Parking Lot:** A retaining wall may be required adjacent to the loop road to minimize impacts to the nearby oil and gas facility.
- **Express Bus Pull Offs:** The express bus pull offs on the north SH 56 ramps were designed using RTD Design Criteria and Guidelines, Section 2: Bus Transit Facility Design, Feb 2006. Express Bus Stations at the north SH 56 ramp stations have not been developed.
- **Pedestrian Bridge:** The location of the pedestrian bridge is shown conceptually and requires further design. Additional study is required to evaluate options, including a potential underpass.

Pavement Design:

- The 14" PCCP mainline pavement section is based on the Preliminary Pavement Design Report, dated April 5, 2013. Thicknesses may be subject to change when re-evaluated using M-E design methodology.
- HMA pavement sections for frontage roads and cross streets are assumed and no geotechnical work has been completed. A life cycle cost analysis has yet to be performed to determine whether it is desirable for these roads to be constructed in HMA or in concrete.

Vertical Clearance at Structures:

- In general, assumptions for structure depths and vertical clearances at this design level were slightly conservative, therefore there are opportunities to further refine the vertical design to optimize the vertical clearance at the structures.

Retaining Walls:

- Retaining wall profiles are shown at top of wall (assumed 1 foot from edge of pavement) to bottom of wall at existing ground. No accommodation for drainage ditches were incorporated into the retaining wall profiles.

Right of Way

- The location of the proposed right-of-way line is depicted per criteria that was agreed upon at the Right-of-Way Strategy Working Group Meeting on August 15, 2013.
- Property ownership information is based on the preliminary ownership map dated March 13, 2013.
- A minimum right of way width of 150' each side of I-25 was defined.

I-25 Reconstruction: SH 66 to North of SH 402

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- The proposed right of way line as depicted is preliminary. The line is shown a minimum of 15 feet from the toe of slope or top of cut. Additional adjustments may need to be made in areas for roadside ditches.
- Temporary Easements are not depicted at this design level.
- A 50 foot wide utility easement is depicted in the plans on the east side of the highway. There may also be a need for a west side easement for a short segment near the SH 56 interchange. It is anticipated that all utilities that are parallel to the interstate will be relocated to this easement in order to stay outside of CDOT right-of-way. The one exception to this is the CDOT fiber optic line.
- An access control line is depicted along WCR 34 and SH 56 from the ramps to the frontage road, and along the inside of the frontage road north and south of the intersection for 100 feet. In the infield areas, CDOT will not allow access from the cross roads, only from the frontage road.
- Sufficient ROW is shown in areas of interchange on-ramps to allow for future expansion for potential ramp metering.


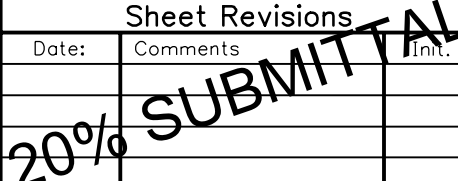
Utilities

- The 20% utility plans are a combination of field survey data and available utility provider maps, often schematic. No utility potholing has been completed.
- Known utilities in the area are outlined in the general notes of the plan set and in the utility matrix sheets.
- Major relocations are anticipated in the vicinity of the interchanges. A table of utility conflicts is included in the plans.
- There are numerous locations where utility providers have easements. CDOT will evaluate each conflict on a case by case basis.
- Irrigation facilities are outlined in the drainage technical memorandum, dated February 12, 2014.

I-25 Reconstruction: SH 66 to North of SH 402

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M&S STANDARDS PLANS LIST
 July 04, 2012
 Revised on December 17, 2014

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

NEW OR REVISED STANDARD PLAN SHEETS APPLICABLE TO THIS PROJECT, INDICATED BY A MARKED BOX ■, WILL BE ATTACHED TO THE PLANS.

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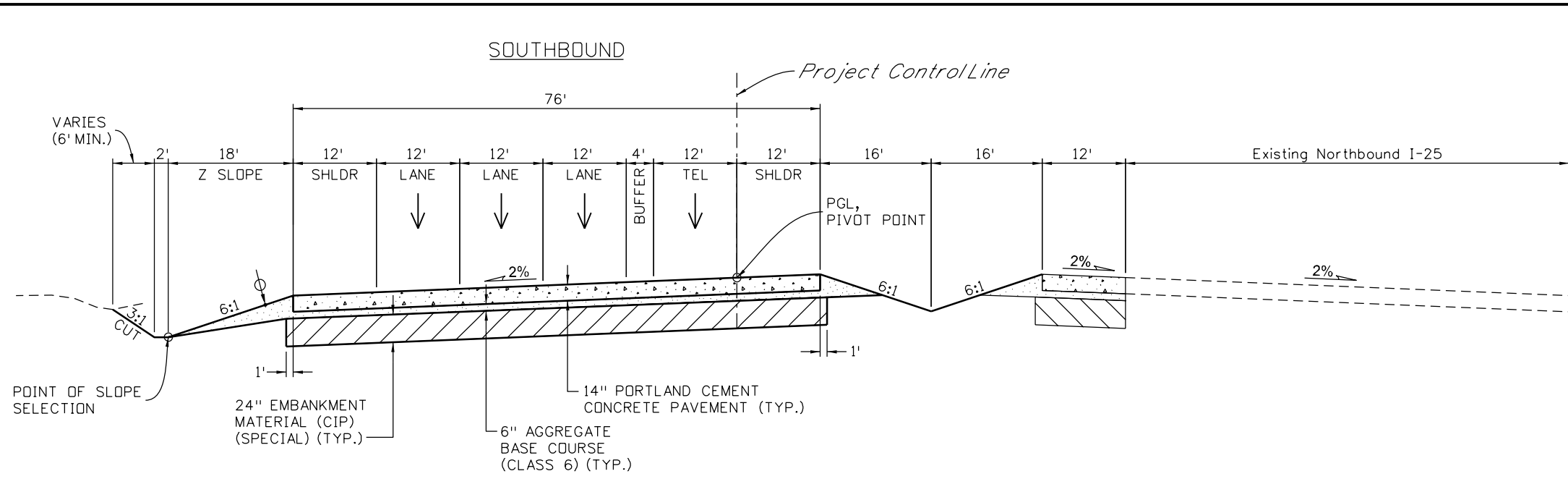
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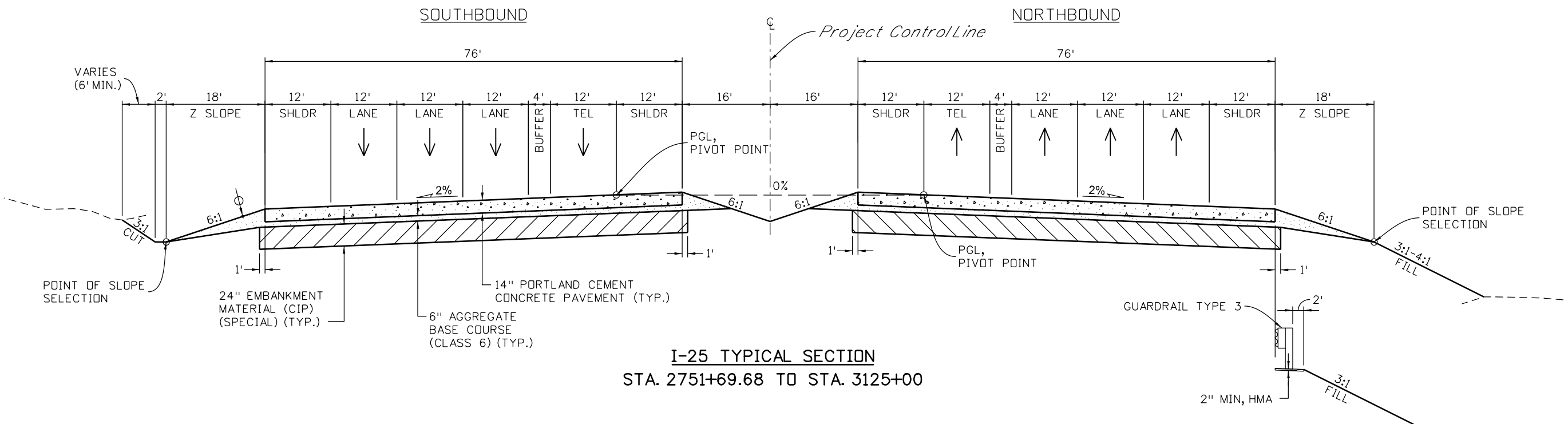
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I-25 APPROACH TO PROJECT
 STA. 37+91.90 TO STA. 51+69.68

TYPICAL SECTION NOTES

1. ○ P.G.L. -PROFILE GRADE LINE
2. H.M.A. -HOT MIX ASPHALT
3. Ⓞ THE CONTRACTOR WILL BE REQUIRED TO PLACE 4 INCHES OF TOPSOIL TO THIS LINE AFTER COMPLETION OF PAVING OPERATION.
4. ▲ BREAKPOINTS IN SLOPES AND IN BOTTOMS OF DITCHES SHALL BE ROUNDED DURING CONSTRUCTION FOR A PLEASING APPEARANCE.
5. ▽ 2% ROADWAY CROSS SLOPE (TYPICAL). FOR SPECIFIC CROSS SLOPES SEE PROFILE SHEETS. CROSS SLOPES IN AREAS OF MILL AND OVERLAY SHALL MATCH THAT OF EXISTING PAVEMENT, EXCEPT WHERE NOTED.
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7. SEE ROADWAY GEOMETRY SHEETS FOR SPECIFIC WIDTHS AND LOCATION OF TAPERS.
8. # DEPTH OF SCARIFICATION AND MOISTURE - DENSITY CONTROL AT BASES OF CUTS AND FILLS SHALL BE 6 INCHES. SEE SPECIFICATIONS.
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I-25 TYPICAL SECTION
 STA. 2751+69.68 TO STA. 3125+00

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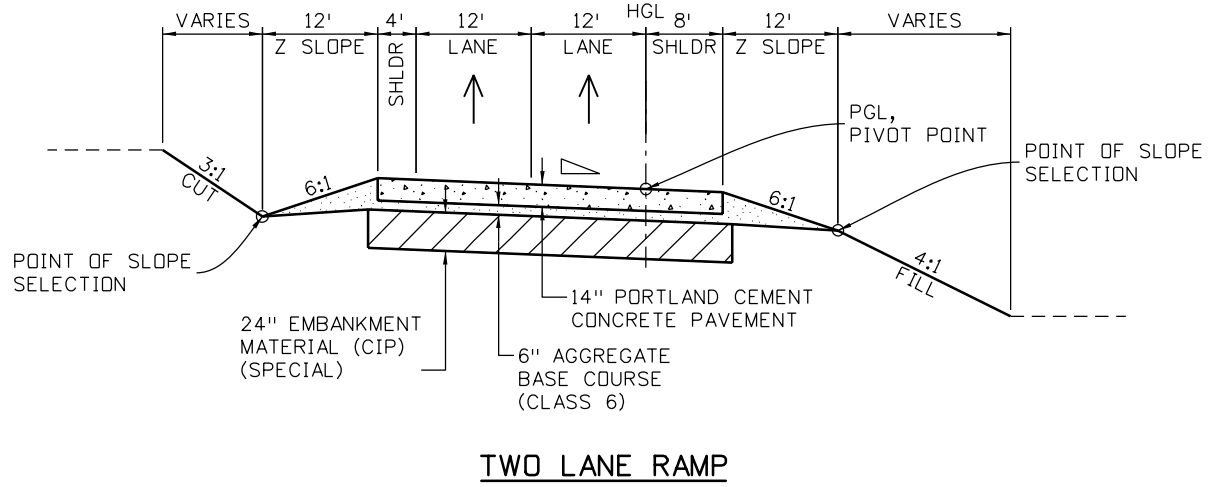
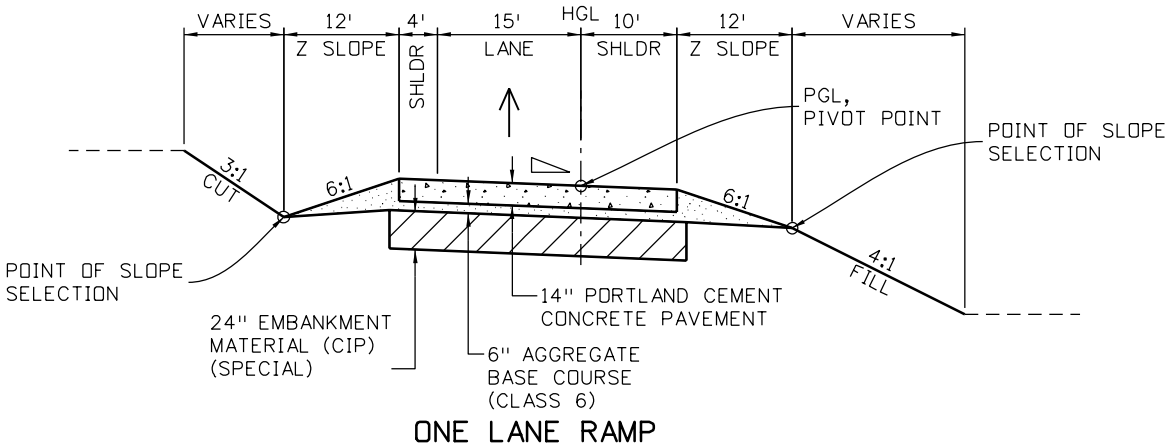
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Detailer:	MAW	Subset Sheets:	1 of 8

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Sheet Number	8

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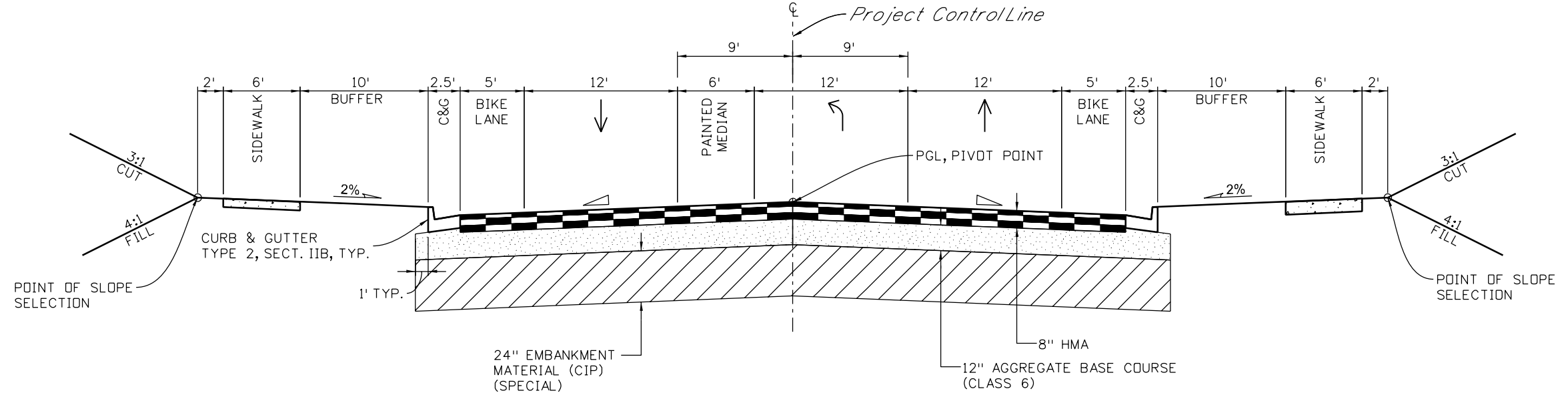
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	18319
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WELD COUNTY ROAD 32

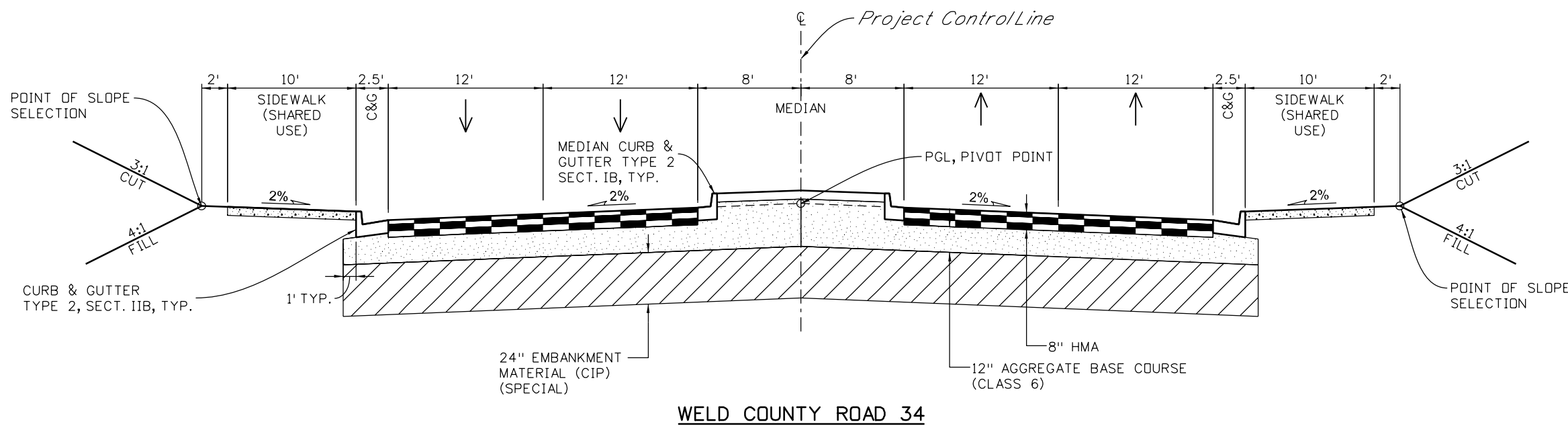
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TYPICAL SECTION NOTES

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WELD COUNTY ROAD 34

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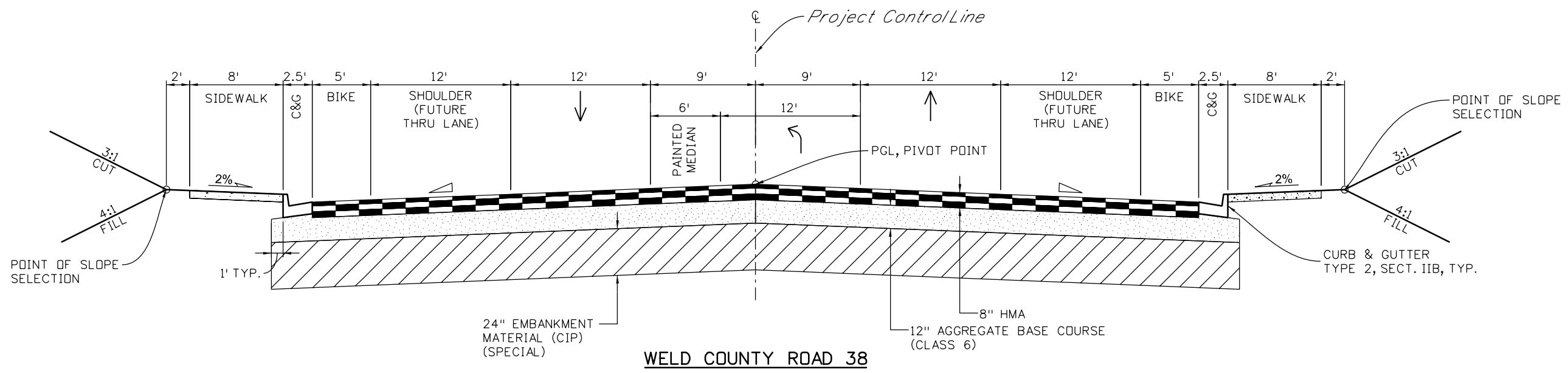
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6. ■ APPROXIMATE THICKNESS (MINIMUM)
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9. SIDE SLOPES: ALL FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS NOTED OTHERWISE. SLOPES MAY VARY IN ACCORDANCE WITH THE CROSS SECTIONS AND SPECIAL GRADING DETAILS.



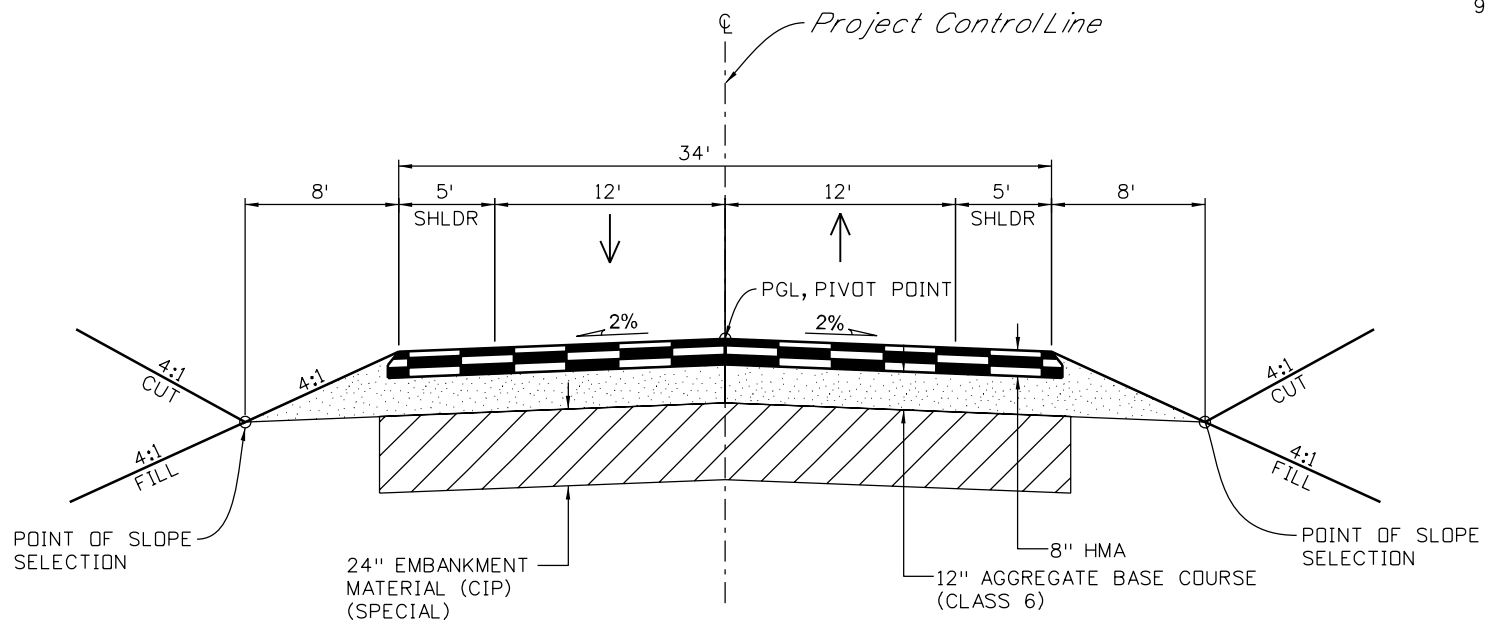
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Print Date: 3/5/2015 Drawing File Name: 18319DES_TypSect02.dgn Horiz. Scale: 1:10 Vert. Scale: As Noted Unit Information Unit Leader Initials	0000 20% SUBMITTAL	Sheet Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date:	Comments	Init.				Colorado Department of Transportation 2207 East Highway 402 Loveland, CO 80537 Phone: 970-622-1268 FAX: 970-669-0289 Region 4 JFF	As Constructed No Revisions: Revised: Void:	I-25 FROM N/O SH 66 TO N/O SH 56 TYPICAL SECTIONS WCR 38 Designer: RKZ Structure Numbers Detailer: LMR Sheet Subset: TYPICALS Subset Sheets: 5 of 8	Project No./Code IM 0253-220 18319 Sheet Number 12
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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
 P: 12-003.01/18319/Design/ 303-988-4939

TYPICAL SECTION NOTES

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VALLEY ROAD/WELD COUNTY ROAD 42

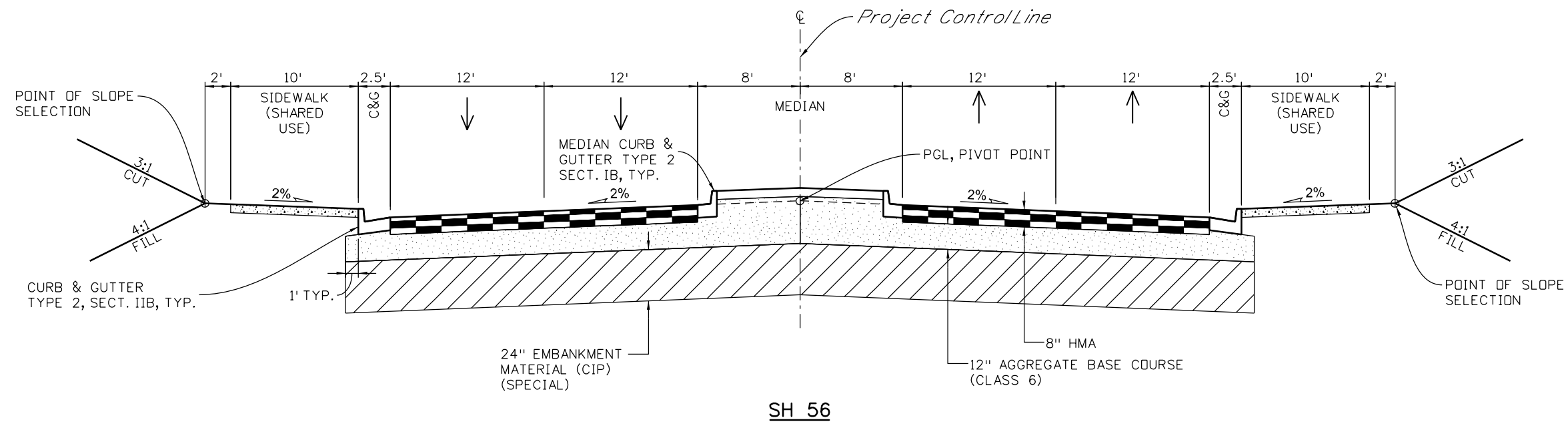
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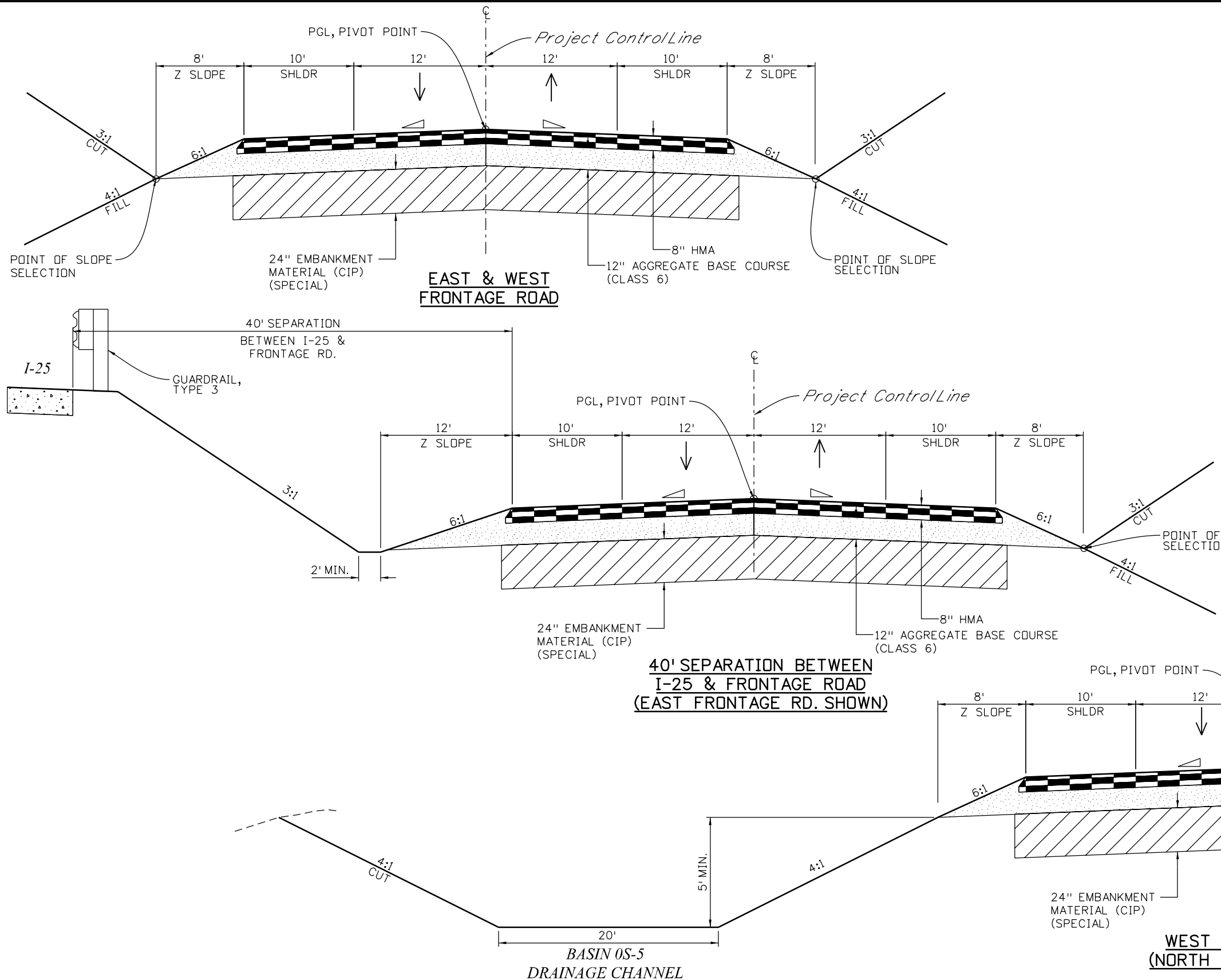
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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
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Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

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I-25 FROM N/O SH 66 TO N/O SH 56			
TYPICAL SECTIONS FRONTAGE ROAD			
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GENERAL NOTES:

1. THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2011, ALONG WITH PROJECT SPECIAL PROVISIONS AND STANDARD SPECIAL PROVISIONS, CONTROL CONSTRUCTION OF THIS PROJECT.
2. IN ACCORDANCE WITH SECTION 630.10 OF THE STANDARD SPECIFICATIONS, THIS PROJECT IS CLASSIFIED AS A SIGNIFICANT PROJECT.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY PROBLEM IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
4. FOR PLAN QUANTITIES OF PAVEMENT MATERIALS, THE FOLLOWING RATES OF APPLICATIONS WERE USED:
 - AGGREGATE BASE COURSE @ 133 LBS. PER CU. FT.
 - HOT MIX ASPHALT @ 110 LBS. PER SQ. YD./INCH
 - TACK COAT DILUTED EMULSIFIED ASPHALT (SLOW-SETTING) @ 0.1 GALS. PER SQ. YD. (DILUTED)
5. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED TO IMPROVE BOND AT THE FOLLOWING LOCATIONS:
 - BEFORE PLACING NEW PAVEMENT OVER EXISTING PAVEMENT
 - ALONG THE FACE OF ALL CURBS, GUTTERS, MANHOLES, ADJACENT EXISTING PAVEMENT, AND OTHER SURFACES AGAINST WHICH ASPHALT WILL BE PLACED
 - BETWEEN PAVEMENT COURSES WHEN ORDERED BY THE ENGINEER.
6. TACK COAT (DILUTED) FOR THIS PROJECT SHALL BE ONE PART EMULSIFIED ASPHALT (SLOW SETTING) AND ONE PART WATER. RATES OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.
7. MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE.
8. OVERLAY OF PLANED AREAS SHALL COMMENCE WITHIN 5 WORKING DAYS FOLLOWING THE PLANING UNLESS OTHERWISE APPROVED BY THE ENGINEER.
9. ASPHALT JOINTS SHALL FALL ON LANE LINES OR MEDIAN LINES, EXCEPT WHERE STATED IN THE PLANS.
10. PRIOR TO PLACING HOT MIX ASPHALT PAVEMENT, THE PAVED SURFACE SHALL BE SWEEPED AND CLEANED. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE HOT MIX ASPHALT PAVEMENT ITEMS.
11. ANY LAYER OF HOT MIX ASPHALT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
12. WHERE NEW PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE USING A CUTTING SAW OR OTHER METHOD AS APPROVED BY THE ENGINEER. SAW CUTTING ASPHALT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT.
13. PRIOR TO PAVING, THE PAVEMENT SUBGRADE SHALL BE PROOF ROLLED WITH A PNEUMATIC TIRED VEHICLE LOADED TO AT LEAST 18 KIPS PER AXLE. AREAS WHICH DEFORM EXCESSIVELY (> 1/8 INCH) UNDER THE WHEEL LOADS SHALL BE REMOVED AND REPLACED PRIOR TO PAVING. IT IS ESTIMATED THAT **XX HOURS OF ITEM 203-01100 PROOFROLLING** WILL BE REQUIRED.
14. SULFATE EXPOSURE FOR CONCRETE ON THIS PROJECT IS CLASS 2 BETWEEN SH 66 AND WCR 34, AND CLASS 0 IN ALL OTHER AREAS. SEE SPECIFICATION SECTION 601, STRUCTURAL CONCRETE, AND THE PROJECT GEOTECHNICAL REPORT.
15. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK ON-SITE FOR DUST CONTROL. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. WATER SHALL NOT BE PAID FOR SEPARATELY.
16. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
 - FULL DEPTH OF ALL EMBANKMENTS
 - FULL DEPTH FOR AGGREGATE BASE COURSE
 - 6 INCHES FOR BASES OF CUTS AND FILLS

17. EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
18. THE TYPES OF COMPACTION FOR THIS PROJECT SHALL BE T-180 FOR EMBANKMENT AND FOR AGGREGATE BASE COURSE.
19. THE CONTRACTOR SHALL KEEP THE WORK AREA DRY OF STANDING WATER AND SHALL KEEP THE EXCAVATION AREAS FREE FROM STORM RUN-OFF.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF ALL SURFACE AND SUBSURFACE DRAINAGE AND GROUNDWATER ENTERING THE PROJECT AREA.
21. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES IN ADDITION TO NORMAL CONSTRUCTION PROCEDURE SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.
22. ANY DAMAGE TO PRESENT HIGHWAY FACILITIES SHALL BE REPAIRED IMMEDIATELY AND PRIOR TO CONTINUING OTHER WORK. ANY MUD OR OTHER MATERIAL TRACKED OR OTHERWISE DEPOSITED ON THE ROADWAY AND SIDEWALK SHALL BE REMOVED DAILY OR AS ORDERED BY THE INSPECTOR.
23. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OVERNIGHT WITHIN THE CLEAR ZONE LIMITS WITHOUT APPROVED TRAFFIC CONTROL DEVICES IN PLACE.
24. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND OBTAINING A SUITABLE STAGING AREA.
25. PRIVATE DRIVEWAYS AND PARKING LOTS SHALL NOT BE USED AS TURNAROUNDS UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE APPROPRIATE LAND OWNER.
26. ALL EXISTING SURVEY MONUMENTATION DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR DURING CONSTRUCTION OPERATIONS. ANY MONUMENTS DISTURBED BY THE CONTRACTOR THAT ARE NOT DESIGNATED FOR RELOCATION, SHALL BE RESET AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR AND ENGINEER SHALL NOTE THOSE MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION.
27. IT IS ESTIMATED THAT THE FOLLOWING ITEMS WILL BE REQUIRED:

ITEM NO. 201-00000 CLEARING AND GRUBBING	1 (LUMP SUM)
ITEM NO. 203-01500 BLADING	400 (HOURS)
ITEM NO. 203-01510 BACKHOE	150 (HOURS)
ITEM NO. 203-01597 POTHOLING	600 (HOURS)
ITEM NO. 620-00002 FIELD OFFICE (CLASS 2)	1 (EACH)
ITEM NO. 620-00012 FIELD LABORATORY (CLASS 2)	1 (EACH)
ITEM NO. 620-00020 SANITARY FACILITY	5 (EACH)
ITEM NO. 625-00000 CONSTRUCTION SURVEYING	1 (LUMP SUM)
ITEM NO. 626-00000 MOBILIZATION	1 (LUMP SUM)
ITEM NO. 626-01000 PUBLIC INFORMATION SERVICES	1 (LUMP SUM)

MAINTENANCE OF THE SANITARY FACILITY SHALL INCLUDE CLEANING AT LEAST TWICE A WEEK.

NOTE: ALL ITEMS LISTED AND DESCRIBED HEREIN AS REQUIRED FOR THE COMPLETION OF THE PROJECT SHALL BE PLACED AS DIRECTED BY THE PROJECT ENGINEER.

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UTILITY GENERAL NOTES:

UTILITY LINES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. (ASCE STANDARD QUALITY LEVEL C) THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 105.11 OF THE STANDARD SPECIFICATIONS CONCERNING UTILITIES.

THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, CRS ("EXCAVATION REQUIREMENTS") WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT PHONE NO. 1-800-922-1987, TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.

KNOWN UTILITIES ARE:

OIL AND GAS

- o XCEL ENERGY
- o KERR-McGEE ANADARKO
- o DCP MIDSTREAM
- o NOBLE ENERGY

COMMUNICATIONS

- o CENTURYLINK LOCAL
- o EAGLENET ALLIANCE
- o AT&T (LOCAL AND LONG DISTANCE)
- o K2 COMMUNICATIONS
- o LEVEL 3 COMMUNICATIONS

ELECTRIC

- o XCEL ENERGY
- o UNITED POWER
- o POUVRE VALLEY RURAL ELECTRIC
- o PLATTE RIVER POWER AUTHORITY (TRANSMISSION)

WATER

- o LITTLE THOMPSON WATER DISTRICT
- o CENTRAL WELD COUNTY WATER DISTRICT
- o NORTHERN COLORADO WATER CONSERVANCY DISTRICT

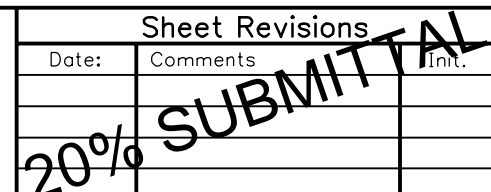

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1. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES DURING THE WORK. REPAIR OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO ANY EXCAVATION, CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 AT LEAST TWO WORKING DAYS PRIOR TO DIGGING.
2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. SOME UTILITIES MAY HAVE BEEN ADDED OR RELOCATED PRIOR TO CONSTRUCTION. ALSO, SERVICES TO INDIVIDUAL RESIDENCES, PLACES OF BUSINESS, AND OTHER PRIVATELY-OWNED UTILITY LINES ARE NORMALLY NOT SHOWN ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS AND TO ASCERTAIN WHETHER ANY OTHER STRUCTURES AND UTILITIES MAY EXIST. EVERY REASONABLE MEANS SHALL BE USED, INCLUDING FIELD LOCATION OF THE UTILITY USING WHATEVER PROSPECTING MEANS ARE NECESSARY.
3. PROSPECTING FOR EXISTING UTILITIES WILL BE PAID FOR AS POTHOLING. USE OF THE TERM "POTHOLING" SHALL NOT BE CONSTRUED TO IMPLY ANY PARTICULAR METHOD OF PROSPECTING. IT IS ESTIMATED THAT **600 HOURS OF ITEM 203-01597 POTHOLING** WILL BE NEEDED AS PART OF THIS PROJECT. POTHOLING OF AN AREA SHALL TAKE PLACE AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS IN THAT AREA. HOURS APPROVED FOR PAYMENT UNDER THIS PAY ITEM SHALL BE AT THE DISCRETION OF THE ENGINEER.
4. THE CONTRACTOR SHALL LOCATE AND POTHOLE ALL POTENTIAL CONFLICTS BETWEEN EXISTING BURIED UTILITY FACILITIES AND THE PROPOSED CONSTRUCTION AS SHOWN ON THE PLANS OR BY FIELD LOCATION MARKINGS. IF CONFLICTS EXIST, MODIFY PROPOSED CONSTRUCTION PLANS TO AVOID ALL EXISTING BURIED UTILITY FACILITIES.


5. THE CONTRACTOR SHALL POTHOLE THE LOCATION OF THE CAISSON FOUNDATIONS TO CONFIRM THE LENGTH OF TRAFFIC SIGNAL MAST ARMS BEFORE ORDERING MATERIAL (TO ACCOMMODATE EXISTING UTILITIES).
6. THE CONTRACTOR SHALL VERIFY AND DOCUMENT THE CONDITION OF EXISTING UTILITIES (VISIBLE FACILITIES) WITH THE ENGINEER AND REPRESENTATIVES FROM THE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. WITH NOTIFICATION OF THE RESPECTIVE OWNER, ADJUST RIMS OF ALL MANHOLES, CLEANOUTS, VALVE BOXES AND SURVEY MONUMENTS TO FINISH GRADE AND PATCH AFTER FINAL LIFT PAVING.
8. THE CONTRACTOR SHALL SUBMIT AN XCEL ENERGY BUILDER'S CALL LINE APPLICATION FOR EVERY XCEL ENERGY WORK ELEMENT THAT IS TO BE COORDINATED WITH THE PROJECT. THE REQUEST IS TO BE PROCESSED THROUGH XCEL ENERGY-BUILDER'S CALL LINE AT 1-800-628-2121.
9. THE CONTRACTOR SHALL REFER TO THE UTILITY SPECIFICATION AND UTILITY PLANS FOR COORDINATION REQUIRED FOR UTILITY RELOCATIONS.

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			201-00000	CLEARING AND GRUBBING	LS	1					1	
			202-00010	REMOVAL OF TREE	EACH	100					100	
			202-00019	REMOVAL OF INLET	EACH	60					60	
			202-00020	REMOVAL OF CONCRETE BOX CULVERT	EACH	8					8	
			202-00026	REMOVAL OF SLOPE AND DITCH PAVING	SY	12,000					12,000	
			202-00035	REMOVAL OF PIPE	LF	15,000					15,000	
			202-00203	REMOVAL OF CURB AND GUTTER	LF	100					100	
			20200210	REMOVAL OF CONCRETE PAVEMENT	SY	10,400					10,400	
			202-00220	REMOVAL OF ASPHALT MAT	SY	504,900					504,900	
			202-00400	REMOVAL OF BRIDGE (I-25 NB OVER WCR 32)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 SB OVER WCR 32)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (WCR 34 OVER I-25)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 NB OVER GREAT WESTERN RR)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 SB OVER GREAT WESTERN RR)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (WCR 38 OVER I-25)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 NB OVER VALLEY RD)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 SB OVER VALLEY RD)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 NB OVER LITTLE THOMPSON)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (I-25 SB OVER LITTLE THOMPSON)	EACH			1			1	
			202-00400	REMOVAL OF BRIDGE (SH 56 OVER I-25)	EACH			1			1	
			202-00700	REMOVAL OF LIGHT STANDARD	EACH	50					50	
			202-00810	REMOVAL OF GROUND SIGN	EACH	250					250	
			202-01000	REMOVAL OF FENCE	LF	75,000					75,000	
			202-01130	REMOVAL OF GUARDRAIL TYPE 3	LF	21,700					21,700	
			202-01170	REMOVAL OF GUARDRAIL TYPE 7	LF	450					450	
			202-01200	REMOVAL OF TENSIONED CABLE BARRIER	LF	33,900					33,900	
			202-01300	REMOVAL OF END ANCHORAGE	EACH	113					113	
			203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	1,792,000					1,792,000	
			203-00060	EMBANKMENT MATERIAL (COMPLETE IN PLACE)	CY							
			203-00066	EMBANKMENT MATERIAL (COMPLETE IN PLACE) (R40)	CY	873,100					873,100	
			203-00100	MUCK EXCAVATION	CY	65,400					65,400	
			203-01500	BLADING	HOUR	400					400	
			203-01510	BACKHOE	HOUR	150					150	
			203-01597	POTHOLING	HOUR	600					600	
			207-00205	TOPSOIL	CY	64,533					64,533	
			-208	EROSION CONTROL	LS	1					1	
			212-00006	SEEDING (NATIVE)	ACRE	240					240	
			213-00002	MULCHING (WEED FREE HAY)	ACRE	240					240	

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 Unit Information Unit Leader Initials

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I-25 FROM N/O SH 66 TO N/O SH 56
CONCEPTUAL QUANTITIES SUMMARY
 Designer: RKZ Structure Numbers
 Detailer: LMR
 Sheet Subset: SAQ Subset Sheets: 1 of 4

Project No./Code
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 18319
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			213-00061	MULCH TACKIFIER	LB	48,000					48,000	
			304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	409,200					409,200	
			403-33841	HOT MIX ASPHALT (GRADING S) (100) (PG 64-22)	TON	139,950					139,950	
			412-01400	CONCRETE PAVEMENT (14 INCH)	SY	699,500					699,500	
			420-00400	MEDIA FILTER DRAIN (MFD) MIX (TYPE 1)	CY	6,550					6,550	
			504	RETAINING WALL 0'-10'	SF	16,600					16,600	
			504	RETAINING WALL 10'-20'	SF	58,700					58,700	
			-504	RETAINING WALL >20'	SF	35,000					35,000	
			506-00212	RIPRAP (12 INCH) [INCLUDING AT THE LITTLE THOMPSON RIVER]	CY	2,100					2,100	
			601	BRIDGE (I-25 NB OVER WCR 32)	SF			11,552			11,552	
			601	BRIDGE (I-25 SB OVER WCR 32)	SF			11,552			11,552	
			601	BRIDGE (WCR 34 OVER I-25)	SF			30,780			30,780	
			-601	BRIDGE (I-25 NB OVER GREAT WESTERN RR)	SF			7,387			7,387	
			601	BRIDGE (I-25 SB OVER GREAT WESTERN RR)	SF			6,557			6,557	
			601	BRIDGE (WCR 38 OVER I-25)	SF			32,400			32,400	
			601	BRIDGE (I-25 NB OVER VALLEY RD)	SF			9,680			9,680	
			601	BRIDGE (I-25 SB OVER VALLEY RD)	SF			9,680			9,680	
			-601	BRIDGE (I-25 NB OVER LITTLE THOMPSON)	SF			15,652			15,652	
			601	BRIDGE (I-25 SB OVER LITTLE THOMPSON)	SF			18,404			18,404	
			601	BRIDGE (I-25 NB OVER SH 56)	SF			16,840			16,840	
			601	BRIDGE (I-25 SB OVER SH 56)	SF			16,840			16,840	
			601	PEDESTRIAN BRIDGE	LS			1			1	
			603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	238					238	
			603-01365	36 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	160					160	
			603-01485	48 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	975					975	
			603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	30					30	
			603-01245	24 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	2,250					2,250	
			603-01305	30 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	1,350					1,350	
			603-01365	36 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	2,900					2,900	
			603-01485	48 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	775					775	
			603-01605	60 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE) [IRRIGATION]	LF	50					50	
			603-02245	30X19 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE) [IRRIGATION]	LF	350					350	
			603-02605	76X48 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE) [IRRIGATION]	LF	350					350	
			603-70606	6X6 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	850					850	
			603-70607	7X6 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	395					395	
			603-70804	8X4 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	70					70	
			603-70806	8X6 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	425					425	

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I-25 FROM N/O SH 66 TO N/O SH 56
CONCEPTUAL QUANTITIES SUMMARY
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 Detailer: LMR
 Sheet Subset: SAQ Subset Sheets: 2 of 4

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			603-70905	9X3 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	1,040					1,040	
			603-71204	12X4 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	150					150	
			603-71206	12X6 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	2,472					2,472	
			603-70905	9X4 FOOT CONCRETE BOX CULVERT (PRECAST) [IRRIGATION]	LF	350					350	
			603-71606	16X6 FOOT CONCRETE BOX CULVERT(PRECAST) [IRRIGATION]	LF	475					475	
			604-00315	INLET TYPE C (15 FOOT)	EA	9					9	
			604-20001	OUTLET STRUCTURE	LS	8					8	
			604-20001	OUTLET STRUCTURE	LS	3					3	
			604-20002	OUTLET STRUCTURE (SPECIAL) (HYDRODYNAMIC SEPARATOR)	LS	3					3	
			604-26015	VANE GRATE INLET (DOUBLE) (15 FOOT)	EA	20					20	
			604-30015	MANHOLE SLAB BASE (15 FOOT)	EA	5					5	
			606-00301	GUARDRAIL TYPE 3 (6-3 POST SPACING)	LF	12,500					12,500	
			606-00710	GUARDRAIL TYPE 7 (STYLE CA)	LF	500					500	
			606-01370	TRANSITION TYPE 3G	EACH	26					26	
			606-01380	TRANSITION TYPE 3H	EACH	22					22	
			606-02003	END ANCHORAGE (NONFLARED)	EACH	1					1	
			606-02005	END ANCHORAGE (FLARED)	EACH	42					42	
			606-20014	TENSIONED CABLE BARRIER (TL-4)	LF	36,100					36,100	
			607-00005	END POST	EACH	75					75	
			607-00010	CORNER AND LINE BRACE POST	EACH	125					125	
			607-01000	FENCE BARBED WIRE WITH METAL POSTS	LF	75,000					75,000	
			607-11525	FENCE (PLASTIC)	LF	100,000					100,000	
			607-60120	20 FOOT GATE	EACH	25					25	
			608-00000	CONCRETE SIDEWALK	SY	8,500					8,500	
			608-00010	CONCRETE CURB RAMP	SY	550					550	
			609-21010	CURB AND GUTTER TYPE 2 (SECTION I-B)	LF	6,300					6,300	
			609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	11,000					11,000	
			609-60011	CURB TYPE 6 (SECTION M)	LF	5,950					5,950	
			612-00001	DELINEATOR (TYPE I)	EACH	500					500	
			612-00002	DELINEATOR (TYPE II)	EACH	250					250	
			612-00003	DELINEATOR (TYPE III)	EACH	250					250	
			613	LIGHTING	LS	1					1	
			614	SIGNING	LS	1					1	
			614	ITS / MANAGED LANE ELEMENTS	LS	1					1	
			614	RAILROAD SIGNAL	LS	1					1	
			615-65005	IRRIGATION DIVERSION STRUCTURE	LS	6					6	
			617-03000	DETOUR CULVERT PIPE	LS	1					1	
			620-00002	FIELD OFFICE (CLASS 2)	EACH	1					1	

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I-25 FROM N/O SH 66 TO N/O SH 56
CONCEPTUAL QUANTITIES SUMMARY
 Designer: RKZ Structure Numbers
 Detailer: LMR
 Sheet Subset: SAQ Subset Sheets: 3 of 4

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			620-00012	FIELD LABORATORY (CLASS 2)	EACH	1						1	
			620-00020	SANITARY FACILITY	EACH	5						5	
			624-29025	24 INCH DRAINAGE PIPE (CLASS 9) (COMPLETE IN PLACE)	LF	6,500						6,500	
			624-29037	36 INCH DRAINAGE PIPE (CLASS 9) (COMPLETE IN PLACE)	LF	3,050						3,050	
				DROP STRUCTURES FOR UPSTREAM OF CULVERTS	LS	6						6	
				OS-5 OFFSITE CHANNEL CONSTRUCTION	LS	1						1	
				WATER DIVERSION/DEWATERING - LITTLE THOMPSON AND NORTH CREEK	LS			1				1	
				CONCRETE JUNCTION BOX	LS	2						2	
			625-00000	CONSTRUCTION SURVEYING	LS	1						1	
			626-00000	MOBILIZATION	LS	1						1	
			626-01000	PUBLIC INFORMATION SERVICES	LS	1						1	
			627	PAVEMENT MARKING	LS	1						1	
			630-80370	CONCRETE BARRIER (TEMPORARY)	LF	75,000						75,000	
			630-85010	IMPACT ATTENUATOR (TEMPORARY)	EACH	30						30	
			630	CONSTRUCTION TRAFFIC CONTROL DEVICES	LS	1						1	
			700-70010	F/A MINOR CONTRACT REVISIONS	FA	1						1	
			700-70011	F/A PARTNERING	FA	1						1	
			700-70012	F/A ASPHALT PAVEMENT INCENTIVE	FA	1						1	
			700-70013	F/A CONCRETE PAVEMENT INCENTIVE	FA	1						1	
			700-70016	F/A FUEL COST ADJUSTMENT	FA	1						1	
			700-70018	F/A ROADWAY SMOOTHNESS INCENTIVE	FA	1						1	
			700-70019	F/A ASPHALT CEMENT COST ADJUSTMENT	FA	1						1	
			700-70022	F/A OJT COLORADO TRAINING PROGRAM	FA	1						1	
			700-70023	F/A ON-THE-JOB TRAINEE	FA	1						1	
			700-70028	F/A ESB PROGRAM	FA	1						1	
			700-70190	F/A ELECTRIC SERVICE	FA	1						1	
			700-70380	F/A EROSION CONTROL	FA	1						1	
			700-70589	F/A ENVIRONMENTAL HEALTH AND SAFETY MANAGEMENT	FA	1						1	

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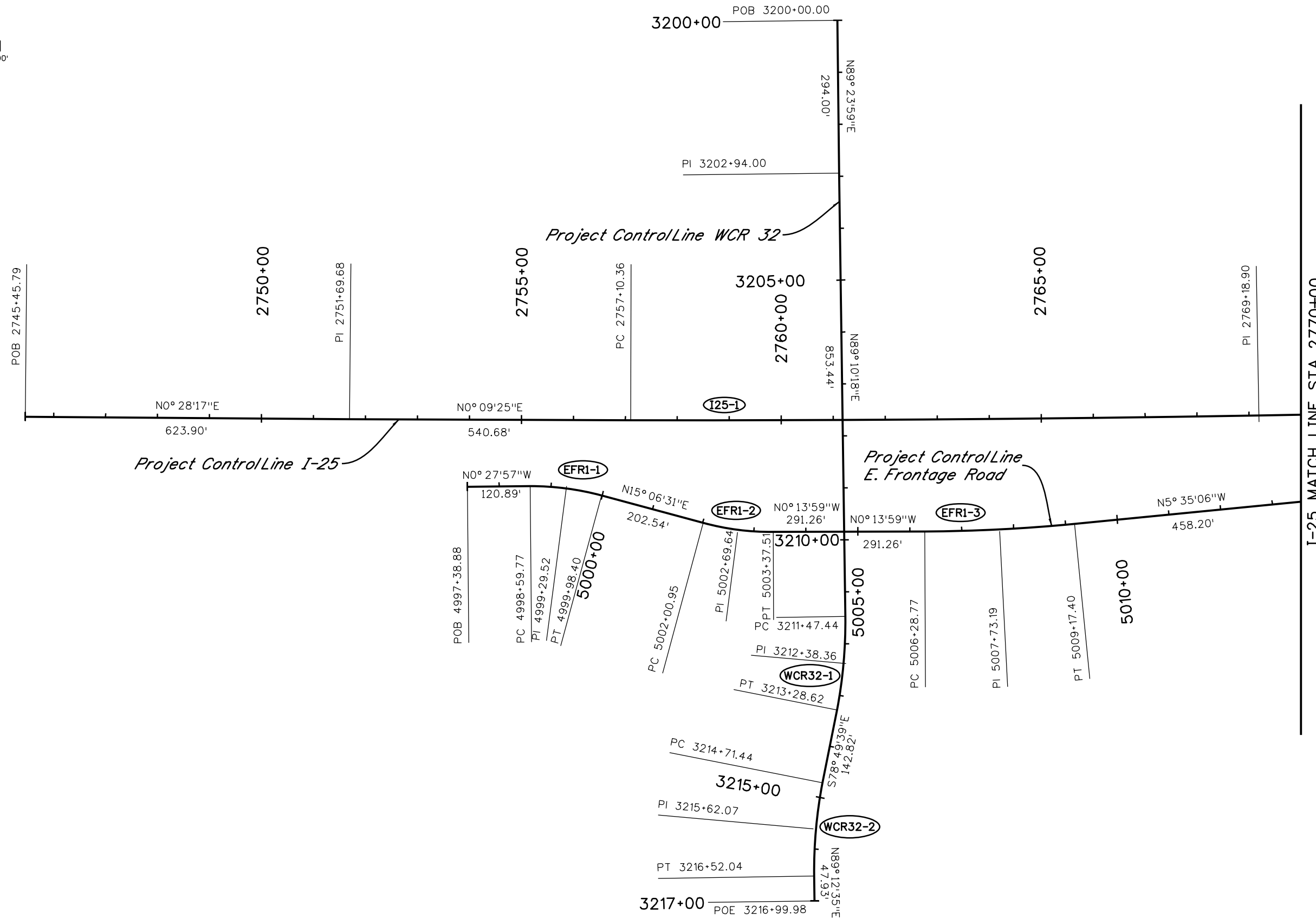
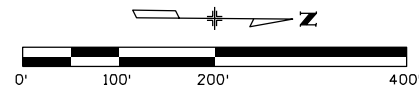
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Region 4 **JFF**

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I-25 FROM N/O SH 66 TO N/O SH 56
CONCEPTUAL QUANTITIES SUMMARY
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I-25 MATCH LINE STA. 2770+00

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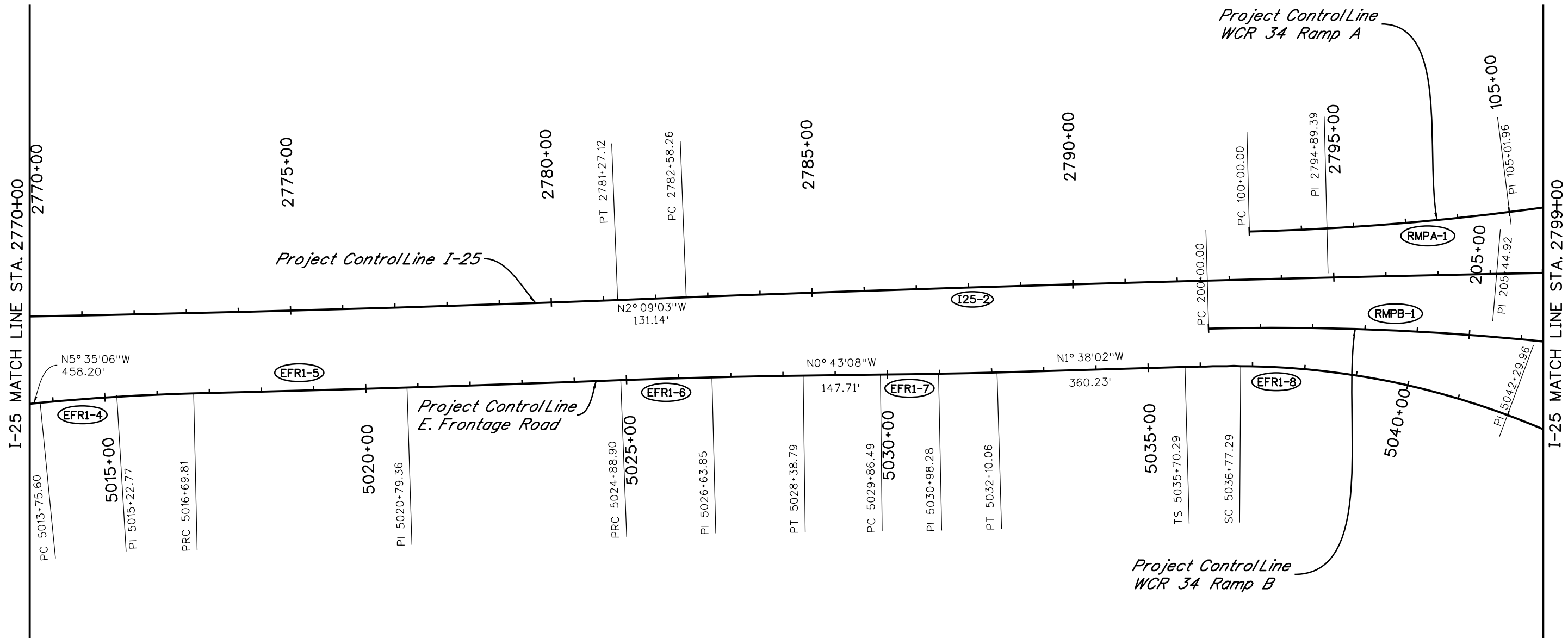
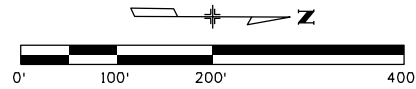
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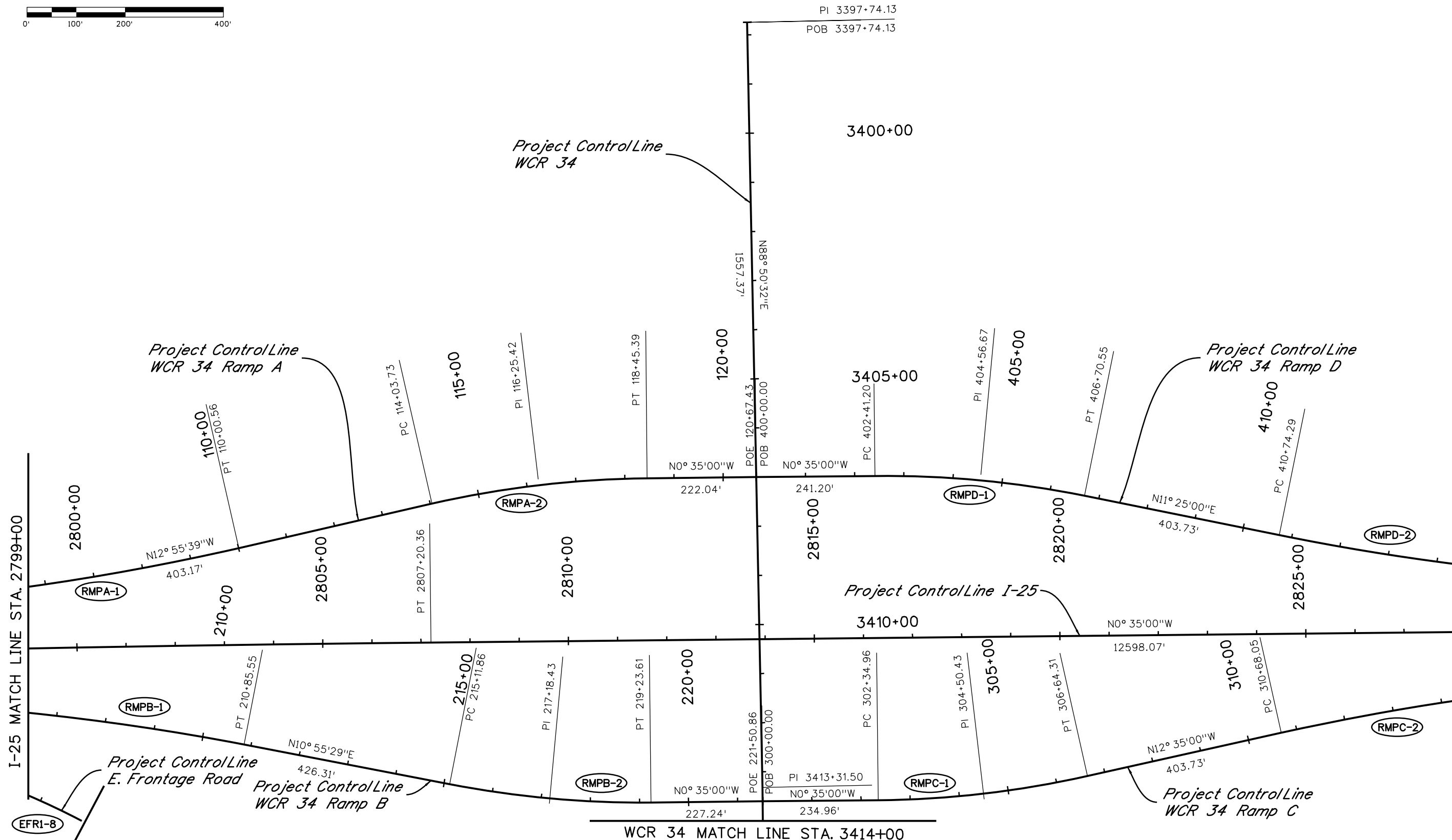
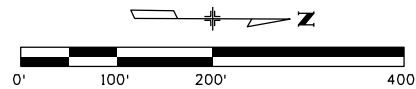
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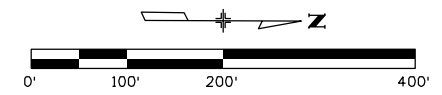
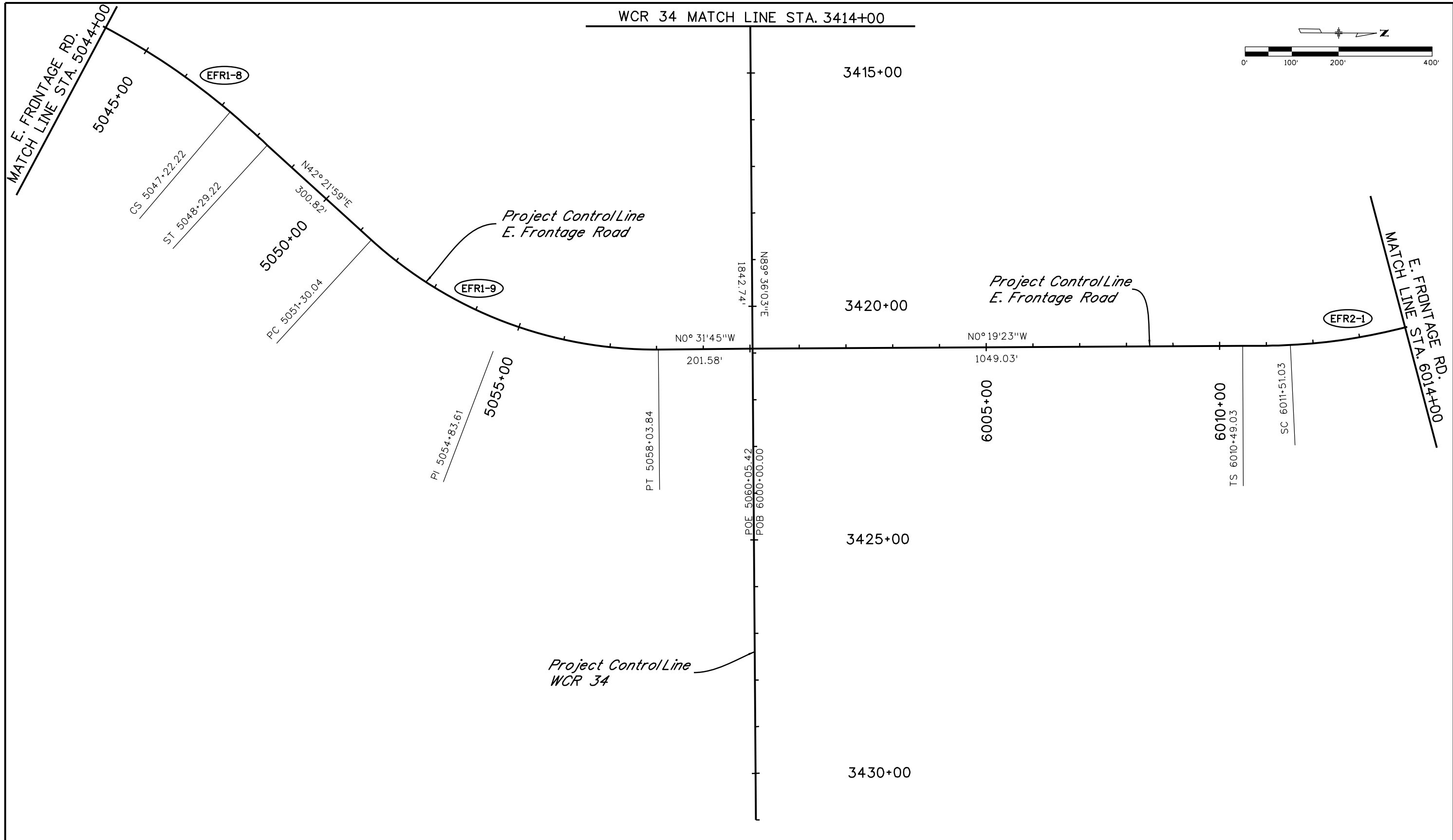
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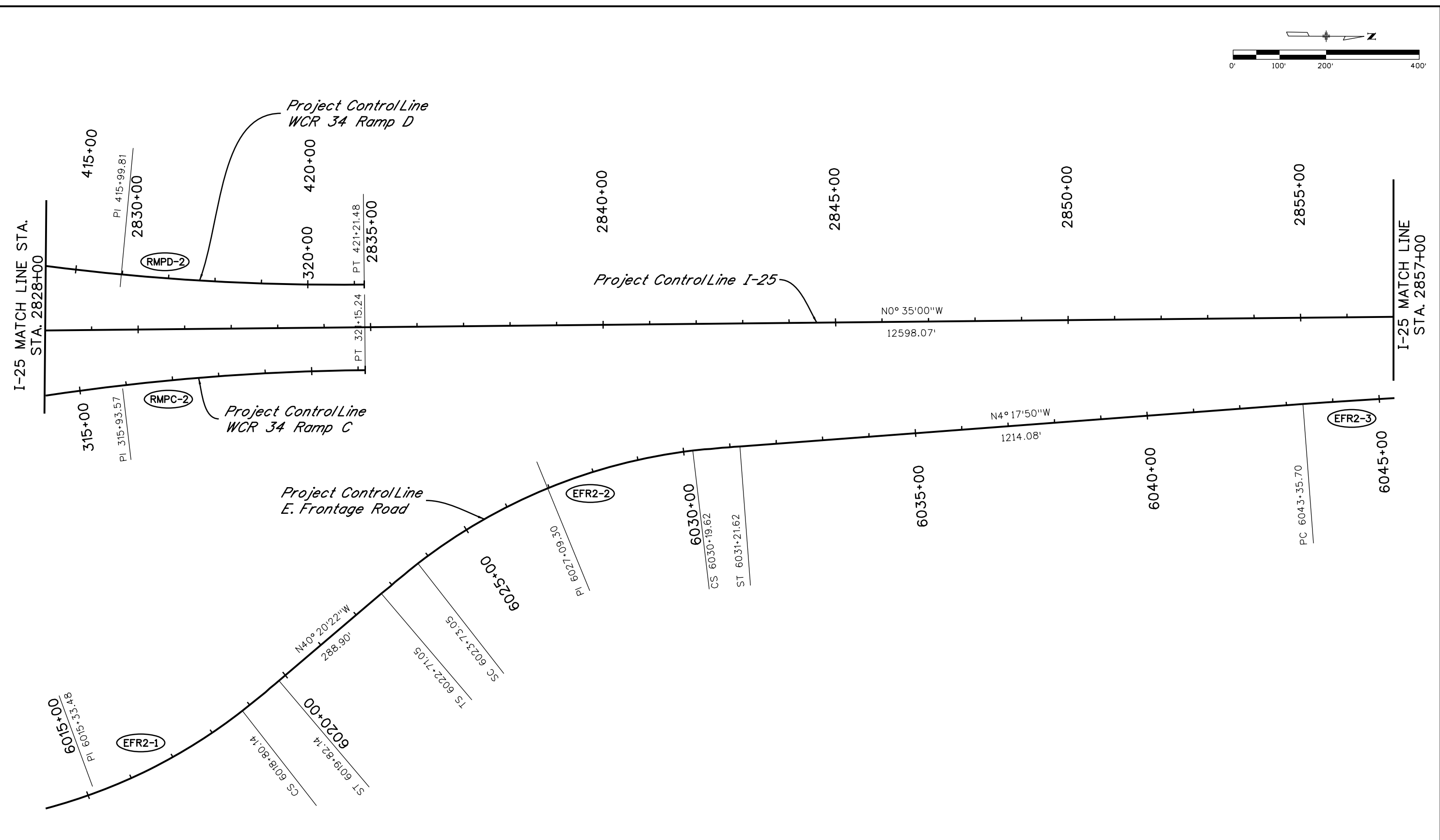
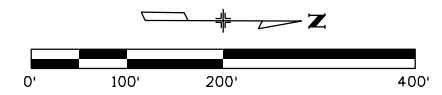
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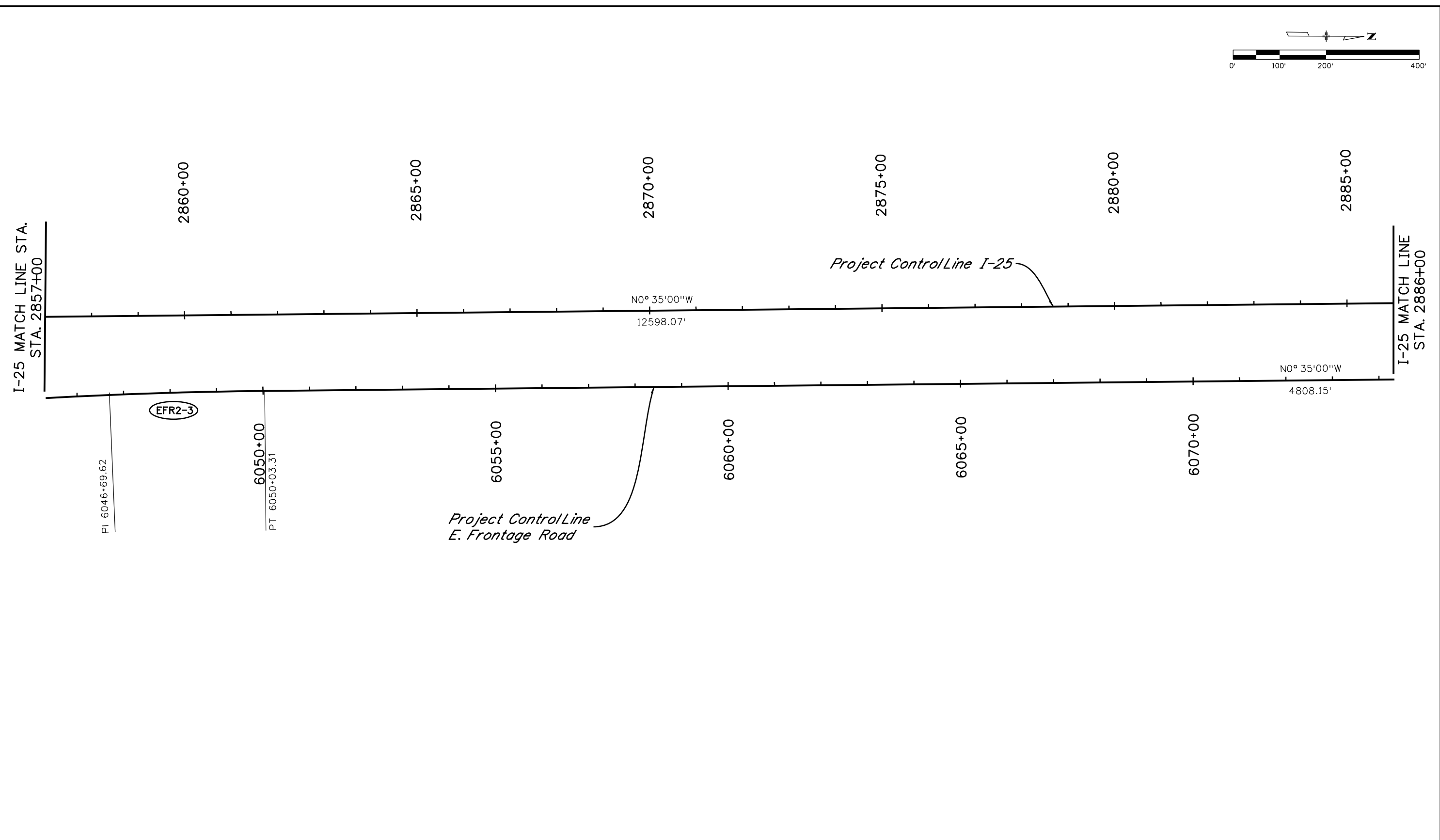
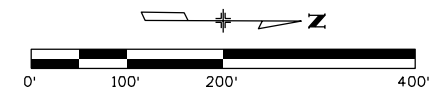
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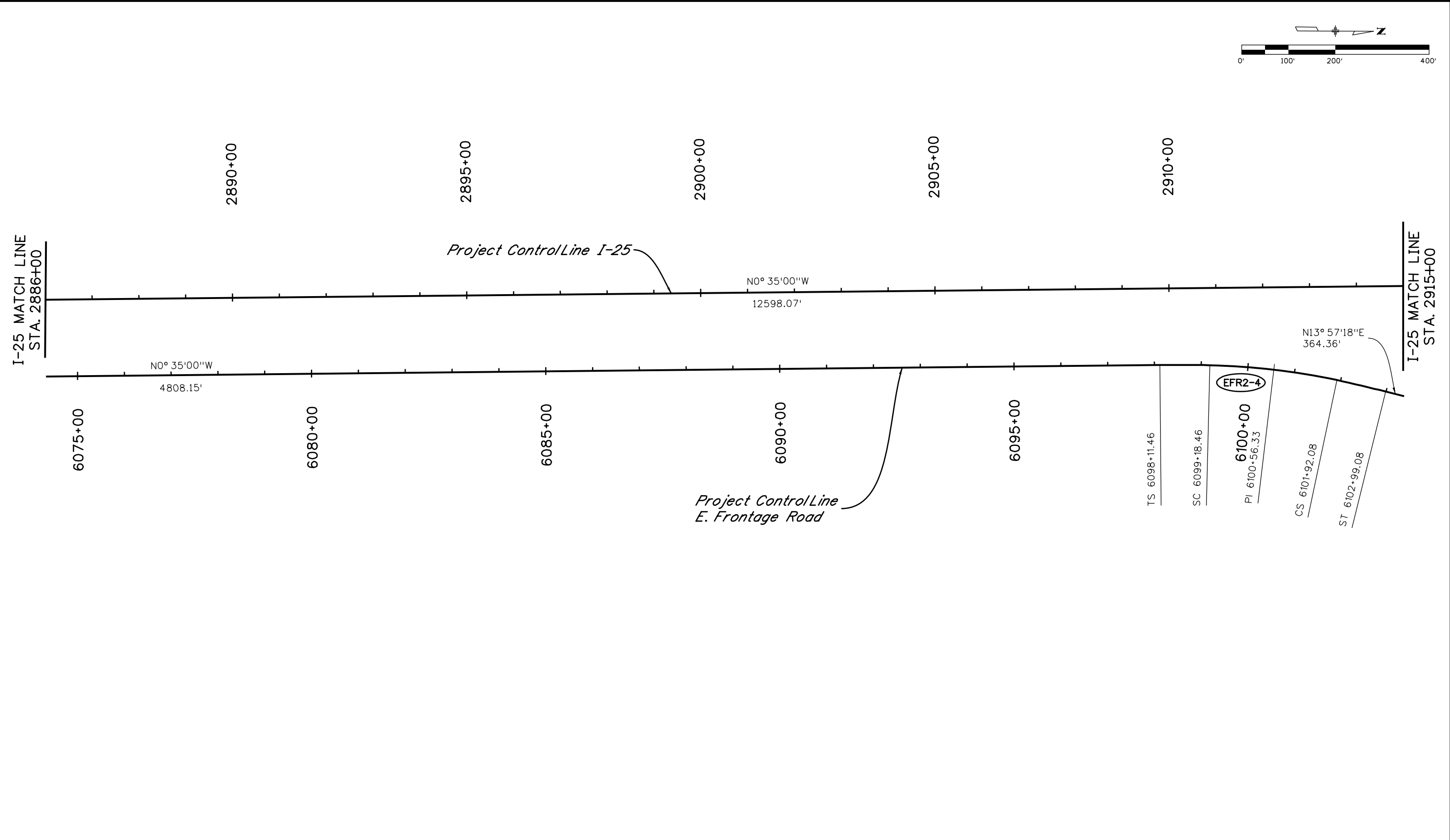
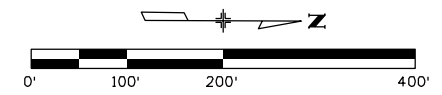
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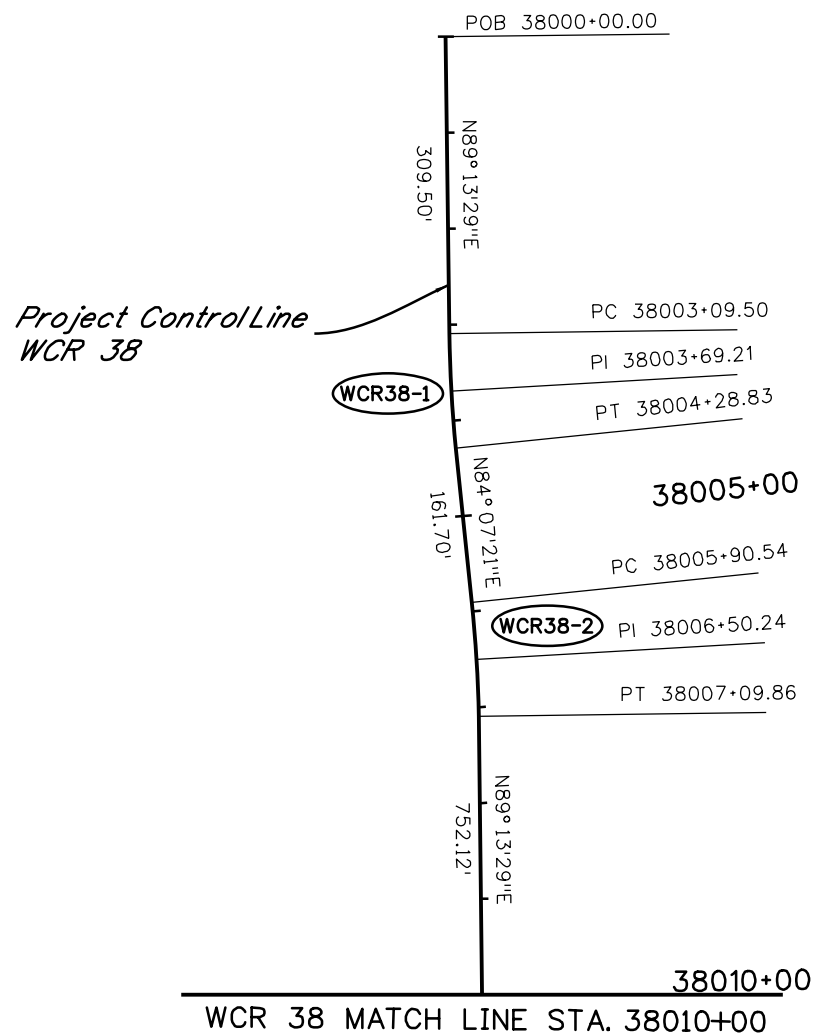
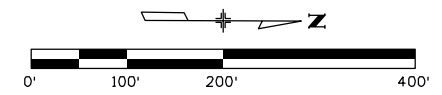
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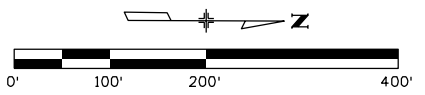
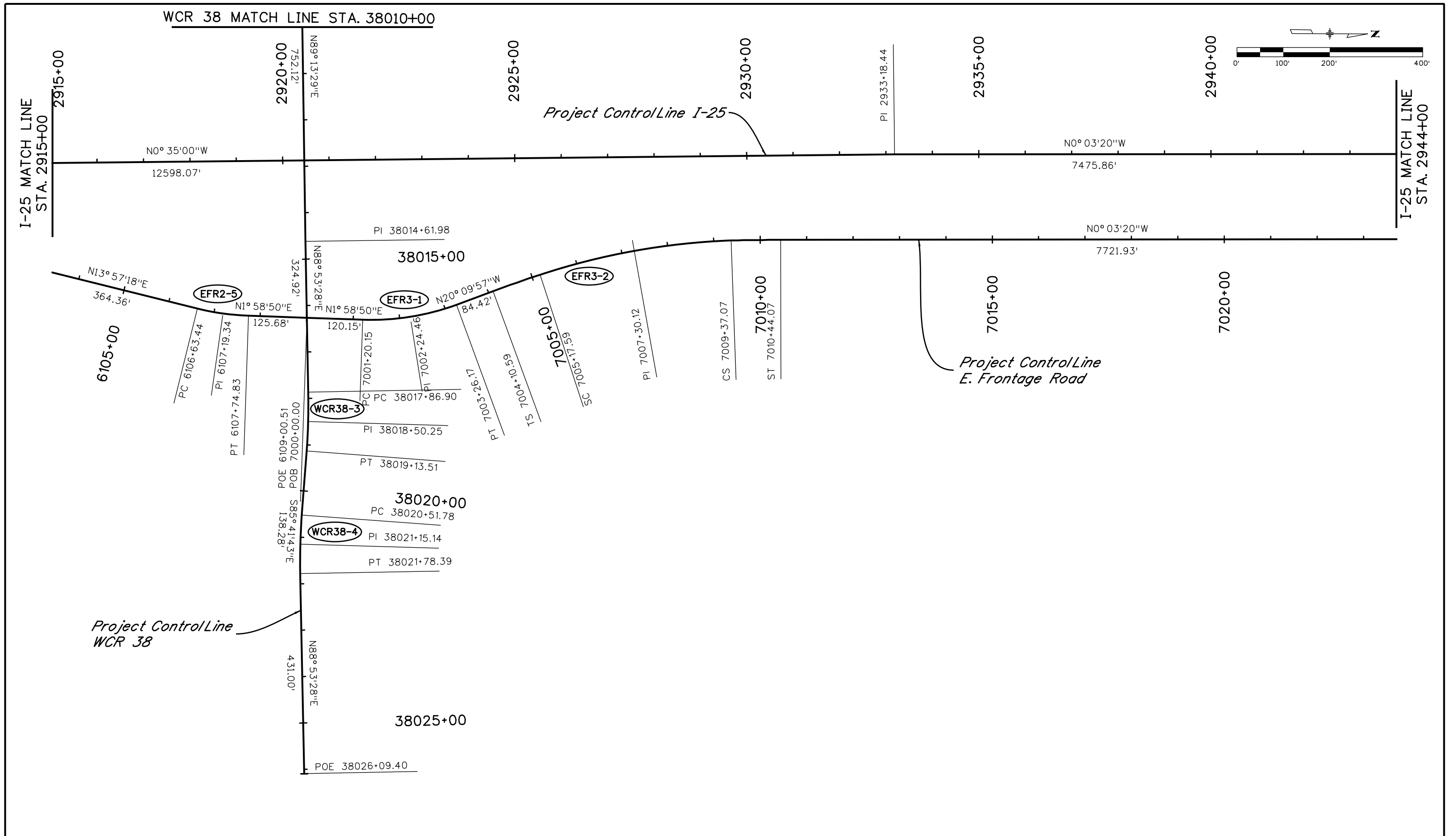

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 Pz/12-003.01/18319/Design/ 303-988-4939



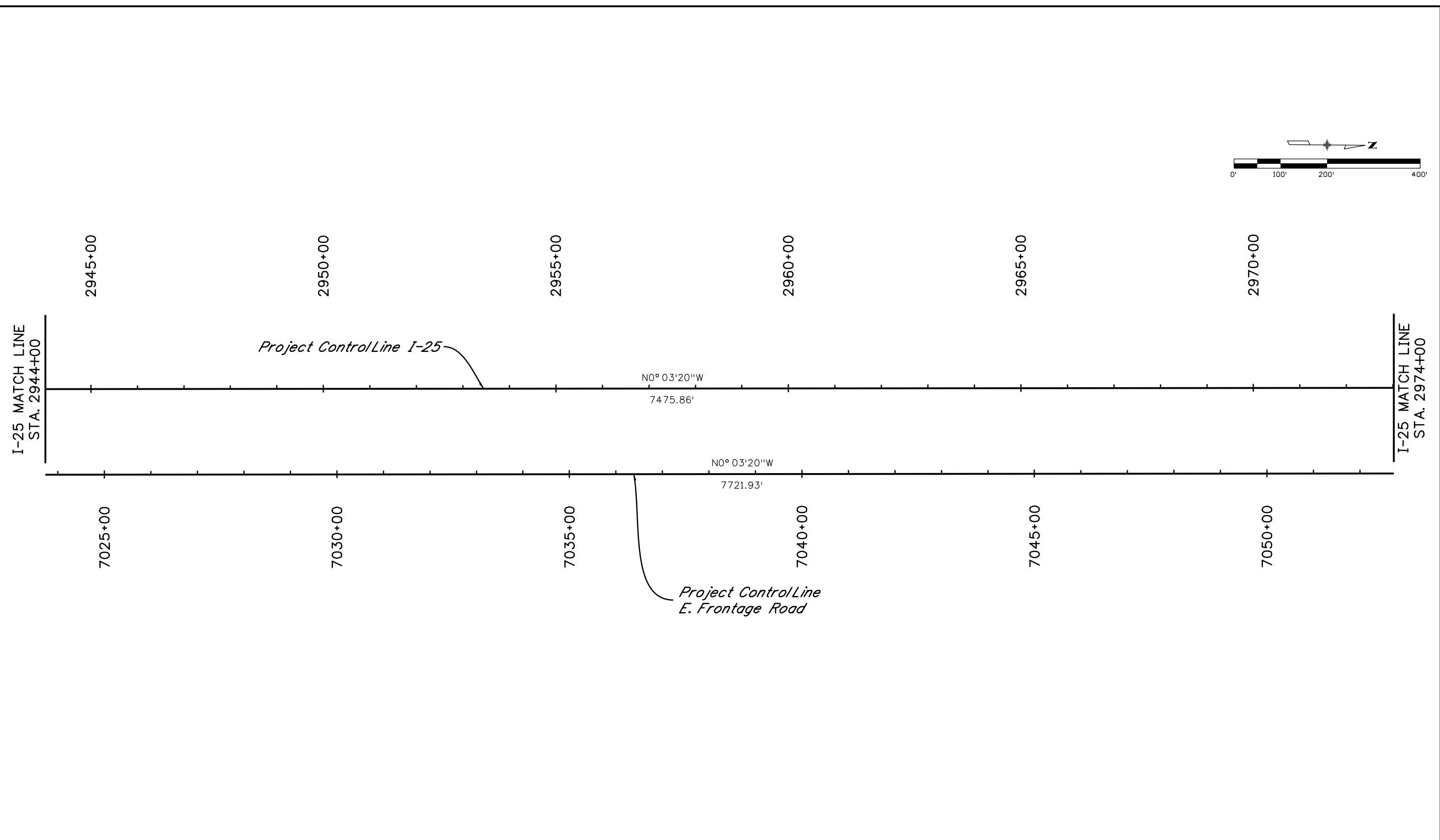
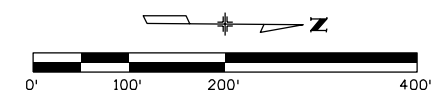
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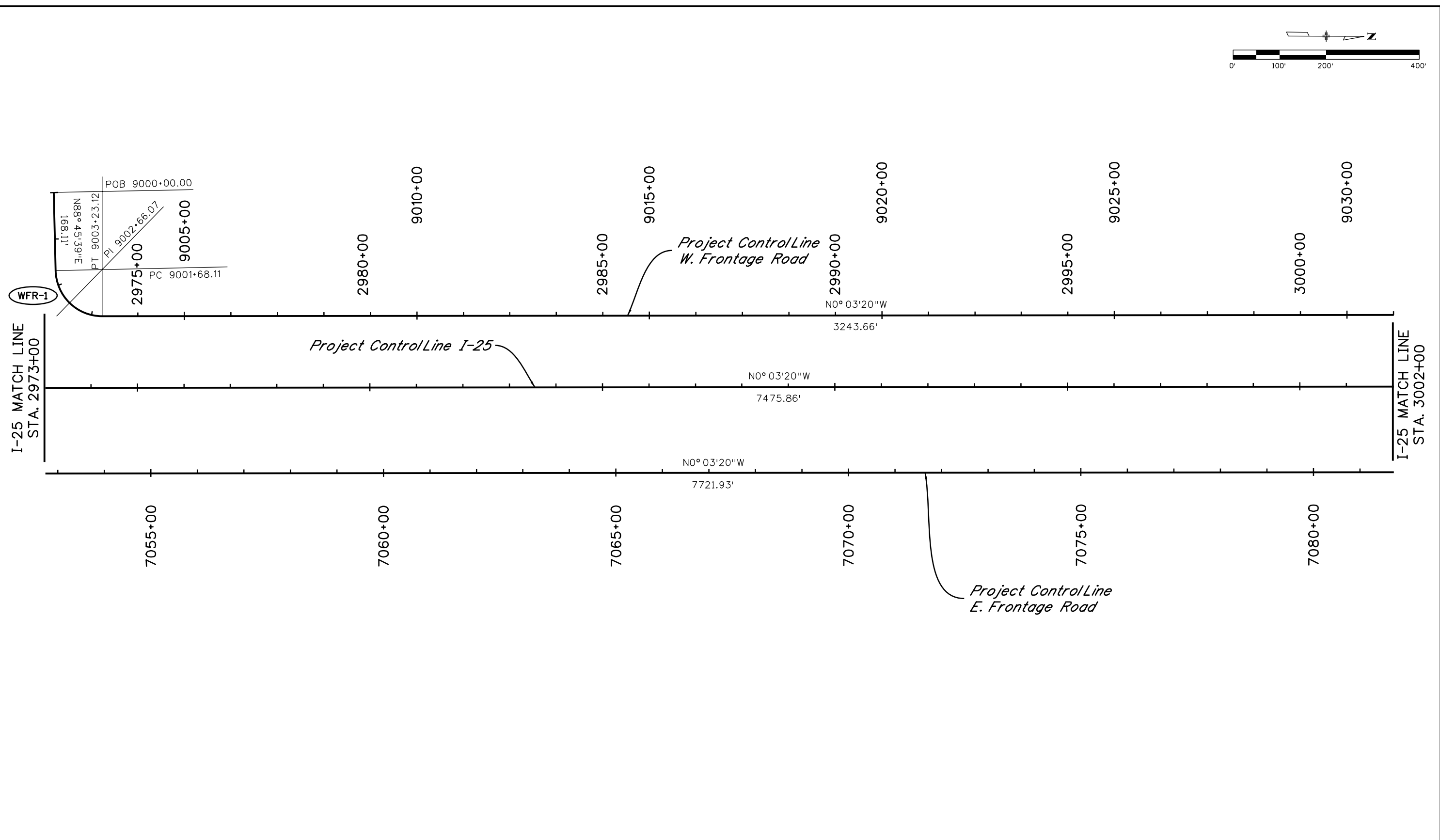
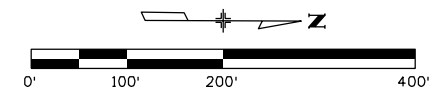


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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. Lakewood, CO 80226 303-988-4939		0000		Region 4		JFF							



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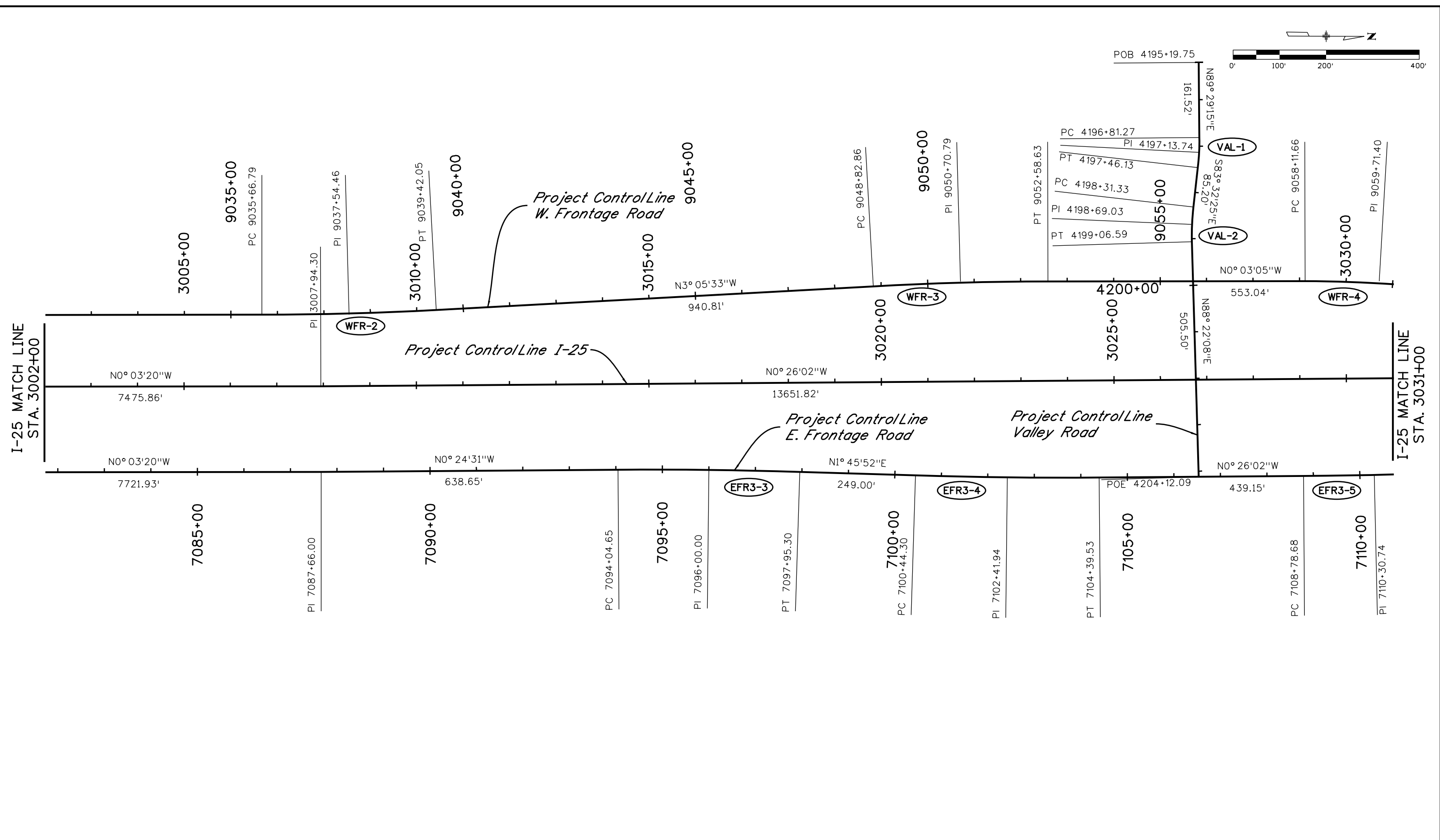
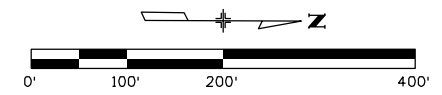


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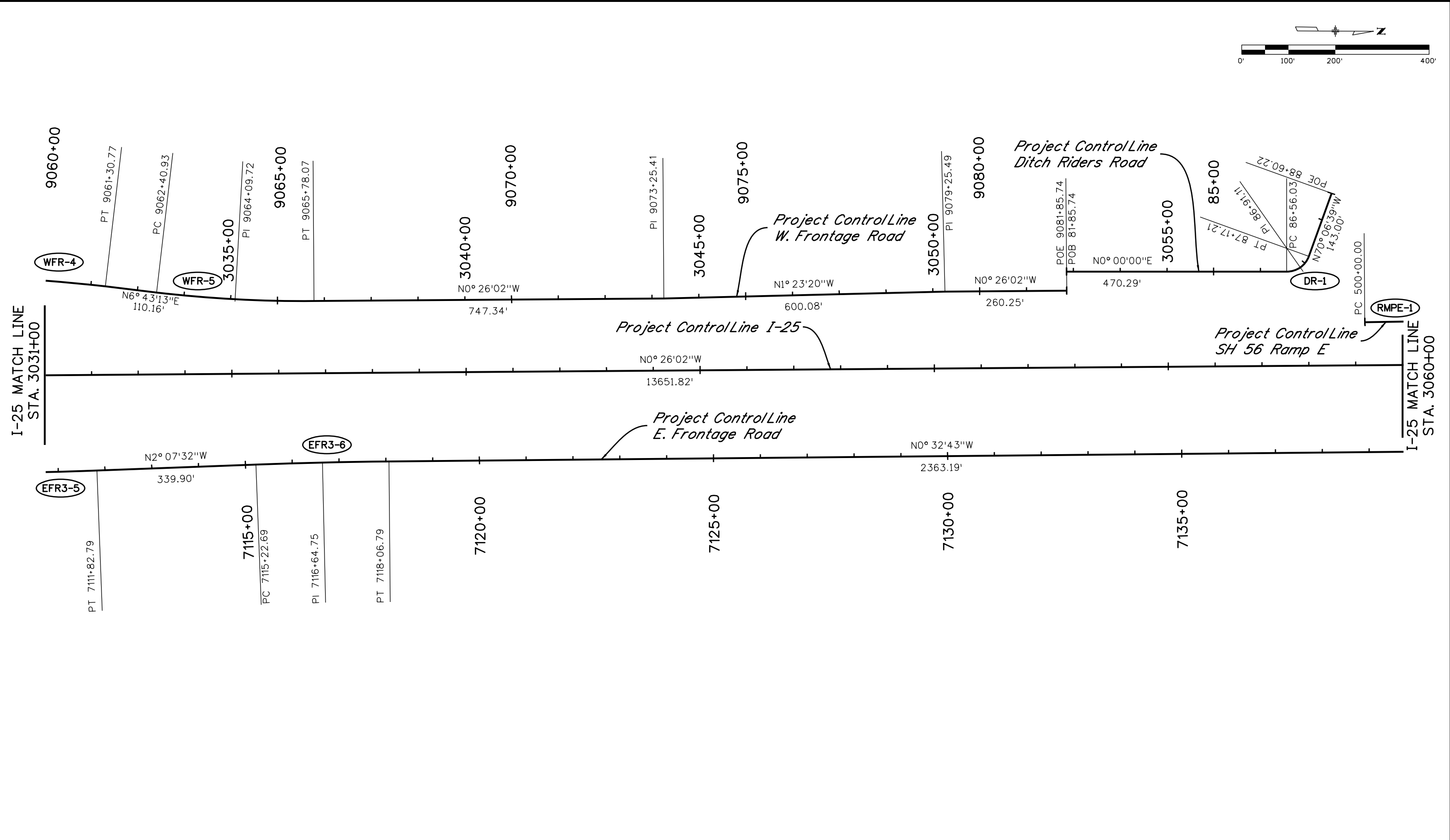
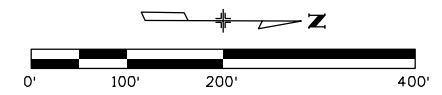
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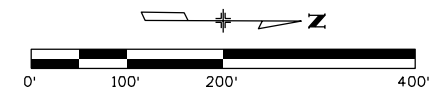


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 MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939														



Project Control Line
SH 56

4405+00

4410+00

4415+00

44800+00

44810+00

PARK & RIDE MATCH LINE
STA. 44811+00

POB 44800+00.00

N88°59'50"E
2374.21'

PC 44803+86.80

44805+00
PI 44805+07.57

PT 44806+18.52

Project Control Line
Park & Ride

PNRA-1

PC 44807+76.83
PI 44808+94.31

PNRA-2

PT 44810+02.71

SH 56 MATCH LINE STA. 4418+00

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MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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Colorado Department of Transportation



2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

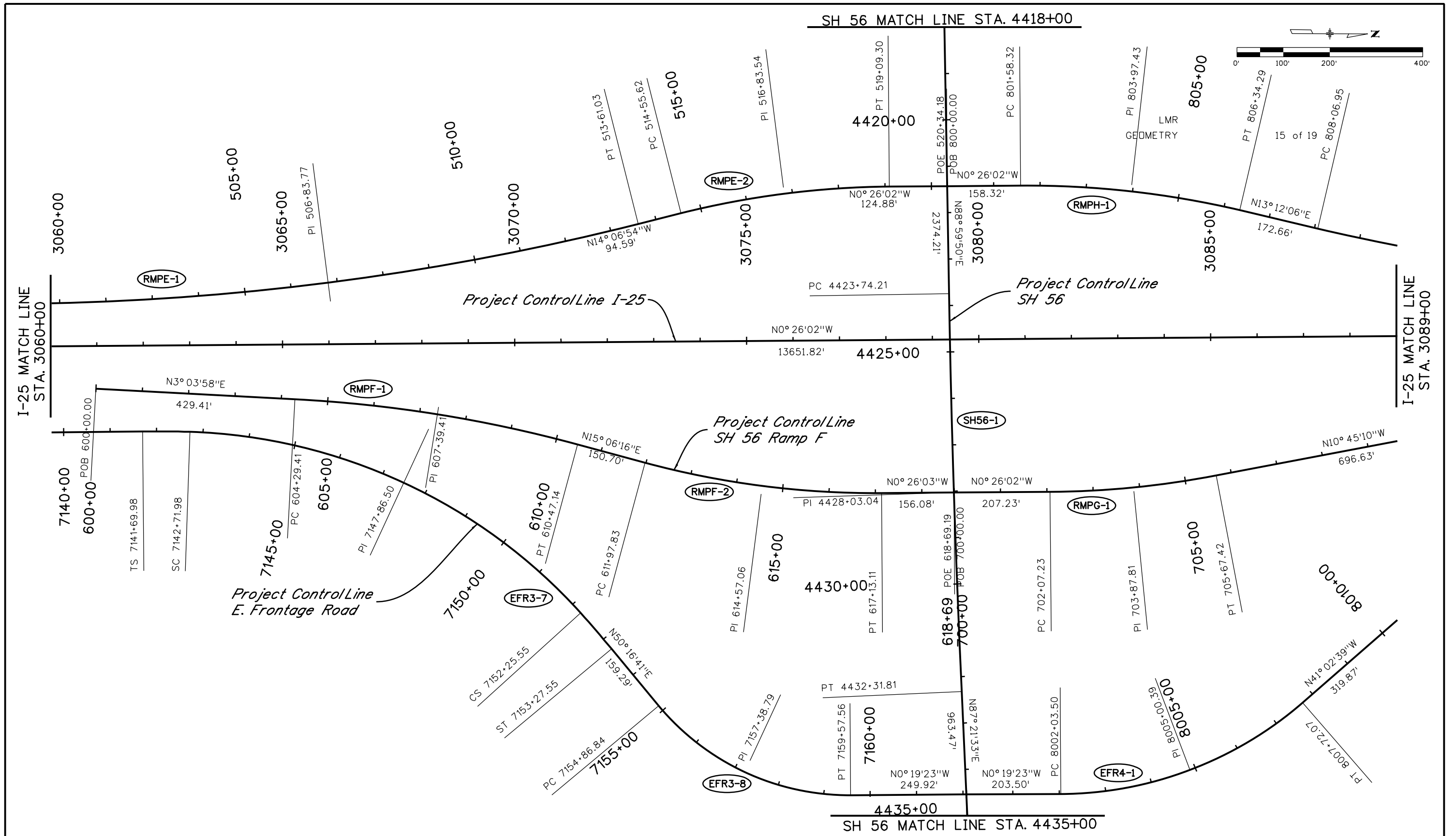
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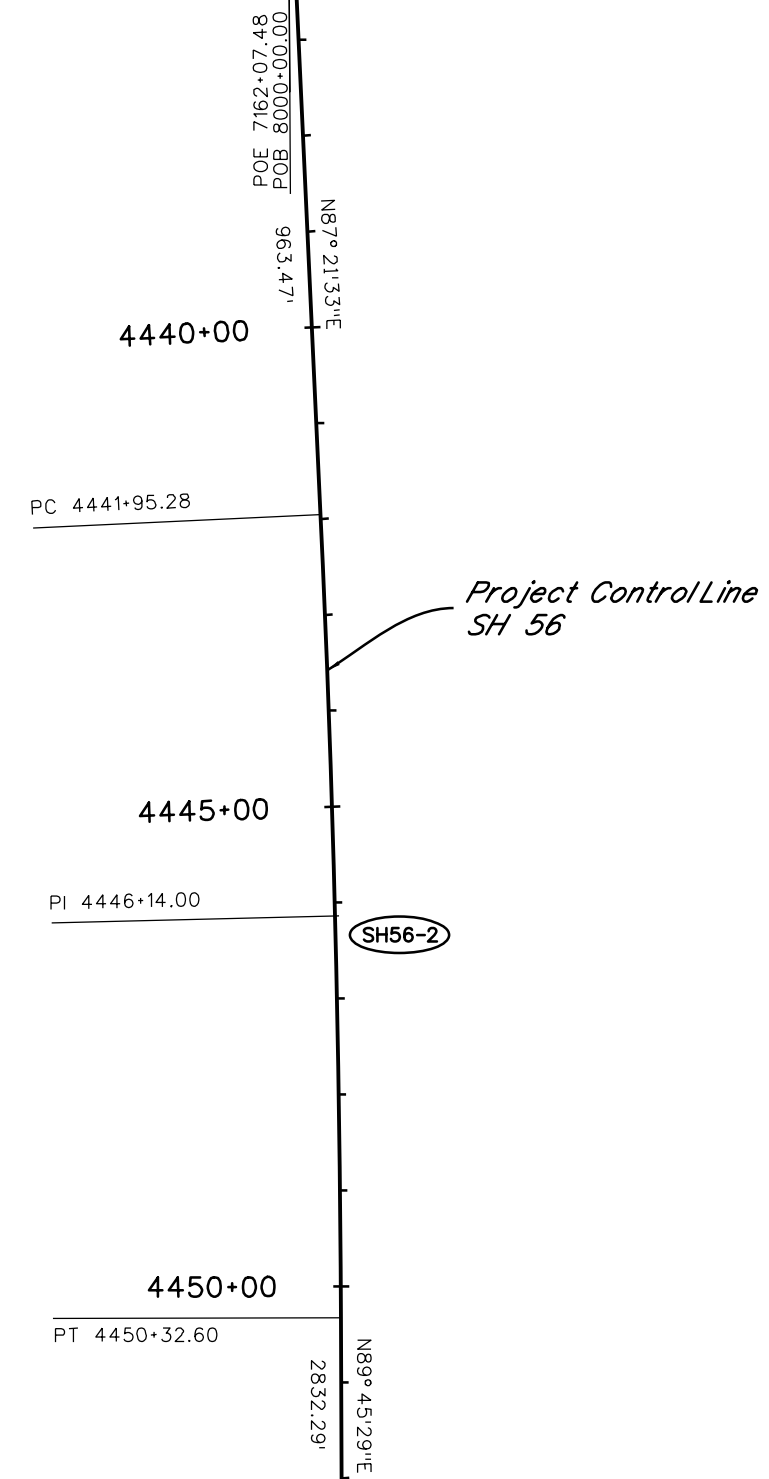
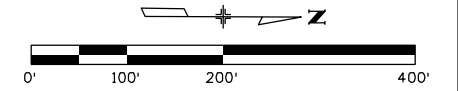
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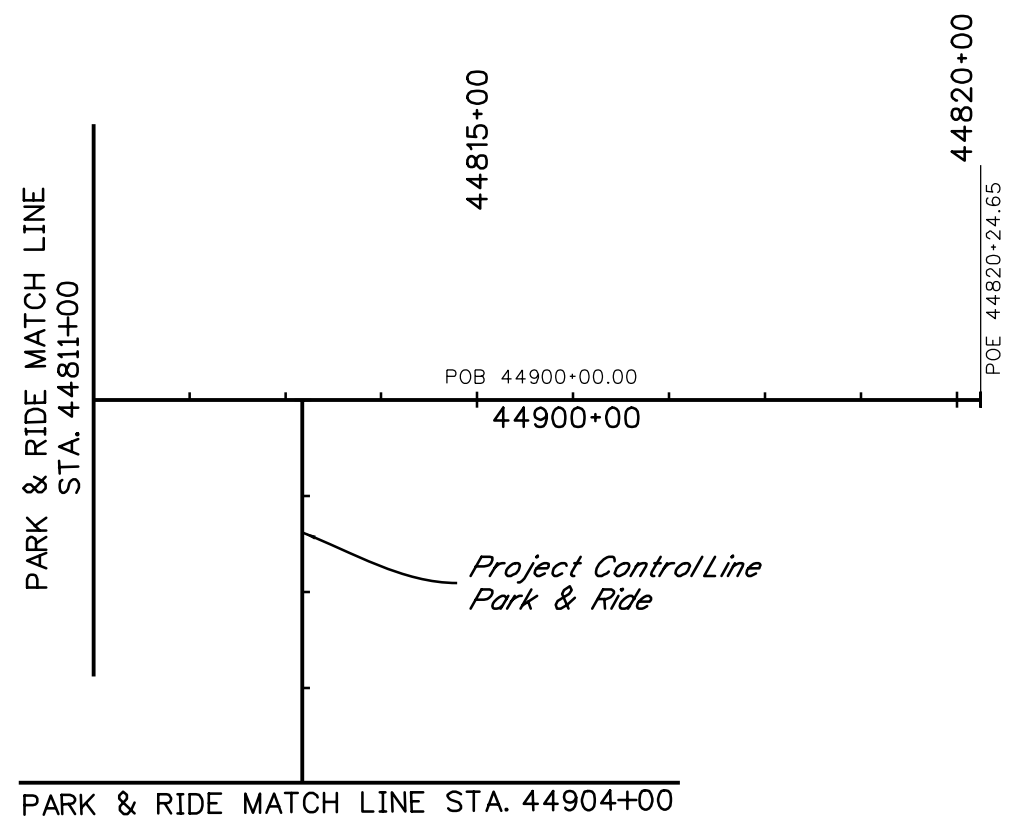
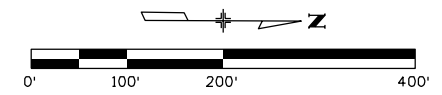
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SH 56 MATCH LINE STA. 4435+00



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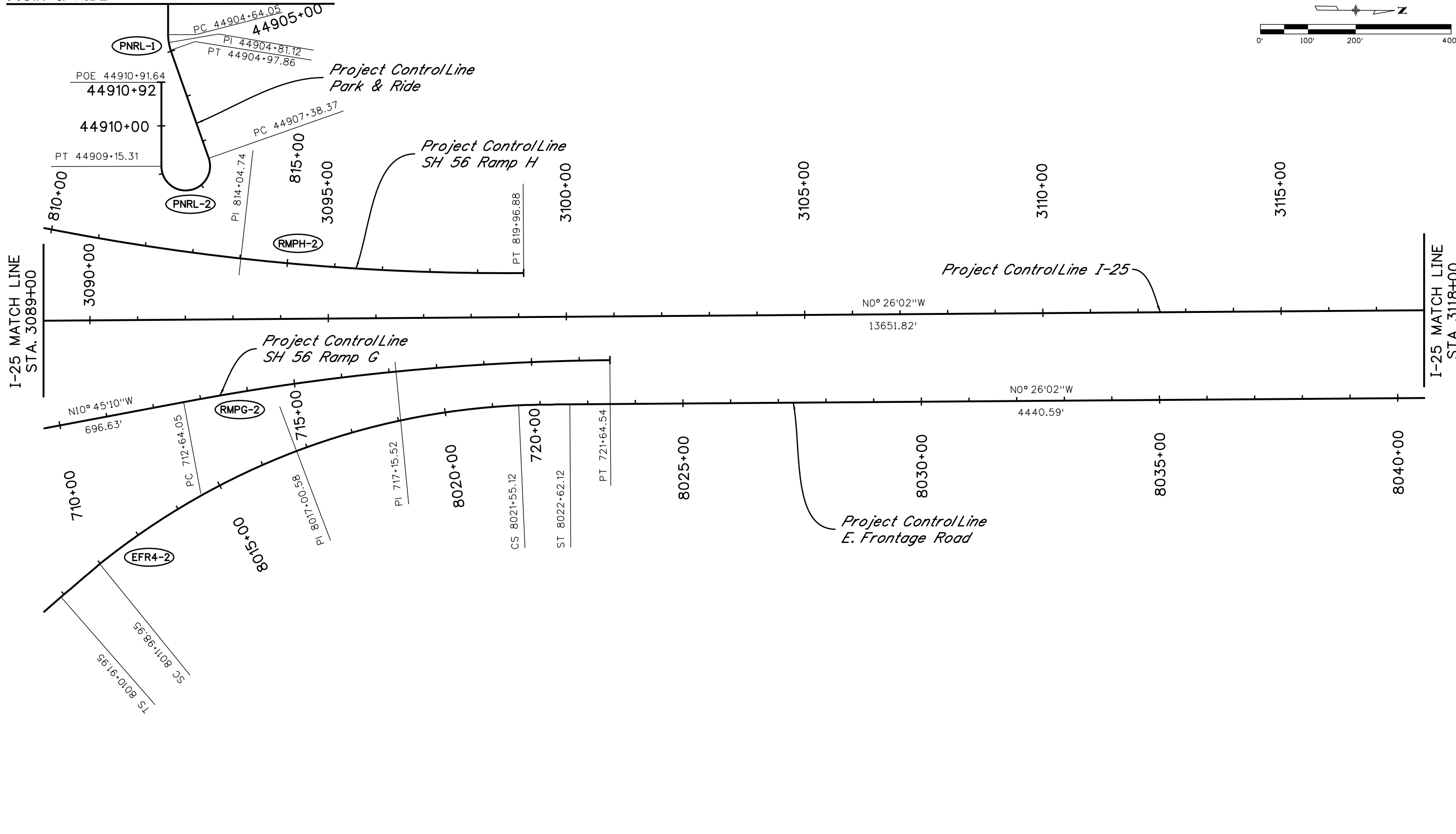
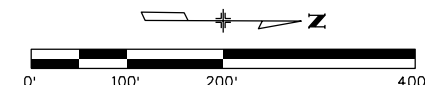
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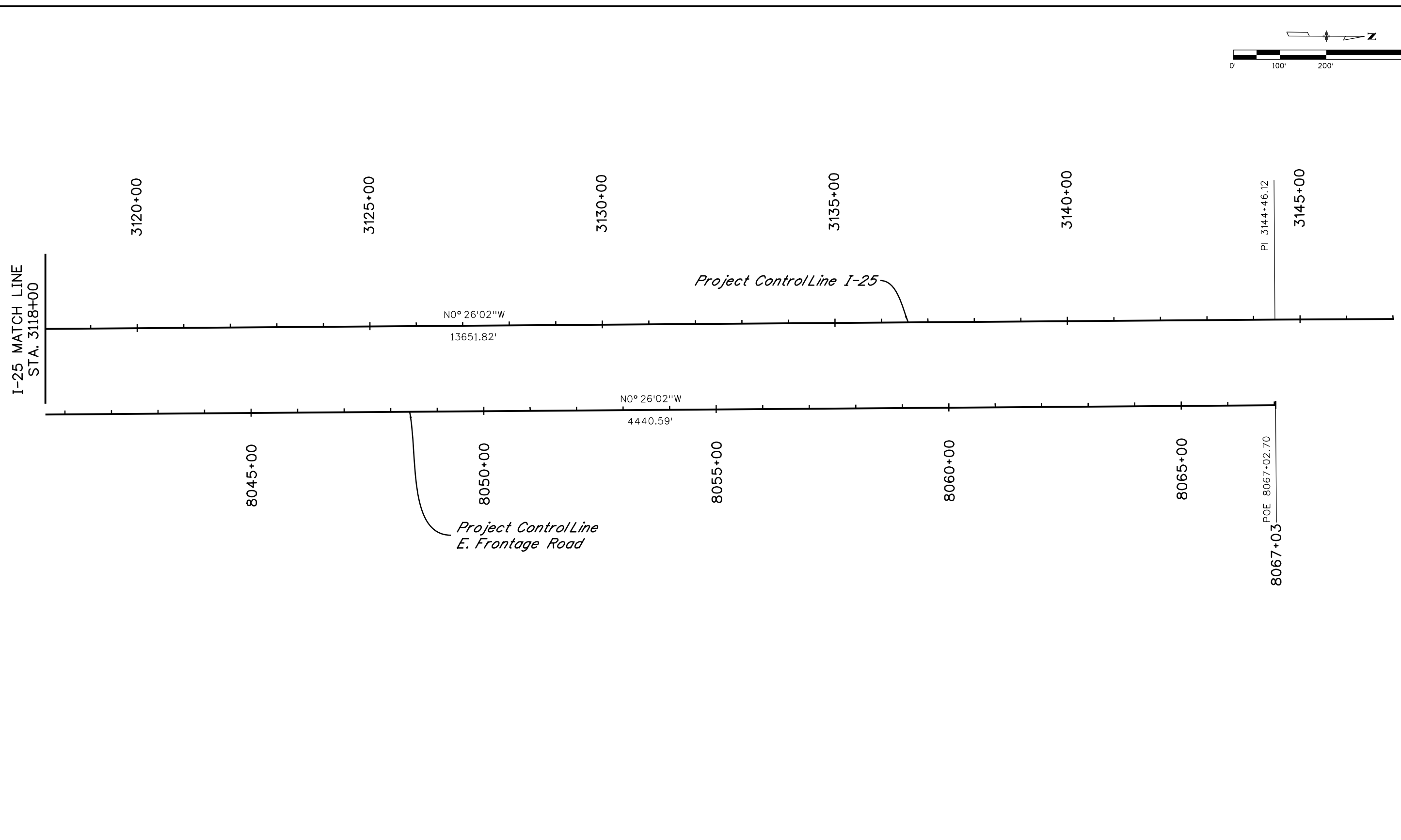
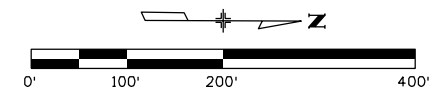
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PARK & RIDE MATCH LINE STA. 44904+00




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Print Date: 3/5/2015		Sheet Revisions		Colorado Department of Transportation		As Constructed		I-25 FROM N/O SH 66 TO N/O SH 56		Project No./Code	
Drawing File Name: 18319DES_GeoPlan19.dgn		Date: Comments		2207 East Highway 402 Loveland, CO 80537 Phone: 970-622-1268 FAX: 970-669-0289		No Revisions:		COORDINATE GEOMETRY		IM 0253-220	
Horiz. Scale: 1:200 Vert. Scale: As Noted		Init.		 Region 4 JFF		Revised:		Designer: RKZ		Structure	
Unit Information Unit Leader Initials		<div style="font-size: 2em; font-weight: bold; opacity: 0.5; transform: rotate(-15deg); display: inline-block;">20% SUBMITTAL</div>				Detailer: LMR		Numbers		18319	
 MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. <small>CONSULTING ENGINEERS</small> #4 - 100 <small>Pz/12-003.01/18319/Design/</small> Lakewood, CO 80226 <small>303-988-4939</small>		0000				Void:		Sheet Subset: GEOMETRY		Subset Sheets: 19 of 19	
								Sheet Number		40	

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)		
I-25 APPROACH TO PROJECT		POB	38+02.55	172425.84	192413.52												
		PI	45+45.67	173168.96	192413.91	N 0°01'49" E	743.12										
		POE	51+69.68	173792.95	192419.05	N 0°28'17" E	624.01										
I-25		POB	2751+69.68	173792.72	192447.04												
	I25-1					N 0°09'25" E	540.68										
			PC	2757+10.36	174333.40	192448.53											
			PI	2769+18.90	175541.93	192451.84			60000.00	2416.75	1208.54	2°18'28"	Left	80 mph	6%	NC	
		PT	2781+27.12	176749.62	192406.48												
	I25-2						N 2°09'03" W	131.14									
			PC	2782+58.26	176880.67	192401.56											
			PI	2794+89.39	178110.93	192355.35			90000.00	2462.10	1231.13	1°34'03"	Right	80 mph	6%	NC	
			PT	2807+20.36	179342.00	192342.81											
		PI	2933+18.44	191939.42	192214.52	N 0°35'00" W	12598.07										
WCR 34 RAMP A (SB ON RAMP)	RMPA-1																
			POB/PC	100+00.00	177960.09	192275.47											
			PI	105+01.96	178461.89	192262.66			5000.00	1000.56	501.96	11°27'56"	Left	70 mph	6%	3.7%	
		PT	110+00.56	178951.13	192150.37												
	RMPA-2																
			PC	114+03.73	179344.08	192060.17											
			PI	116+25.42	179560.15	192010.57			2050.00	441.66	221.69	12°20'39"	Right	40 mph	6%	3.4%	
			PT	118+45.39	179781.82	192008.32											
		POE	120+67.43	180003.85	192006.06												
WCR 34 RAMP B (NB OFF RAMP)	RMPB-1																
			POB/PC	200+00.00	177881.83	192461.56											
			PI	205+44.92	178426.56	192447.16			5000.00	1085.55	544.92	12°26'22"	Right	70 mph	6%	3.7%	
		PT	210+85.55	178961.60	192550.43												
	RMPB-2																
			PC	215+11.86	179380.18	192631.23											
		PI	217+18.43	179583.01	192670.38			2050.00	411.76	206.57	11°30'30"	Left	40 mph	6%	3.4%		
	PT	219+23.61	179789.57	192668.27													
	POE	221+50.86	180016.81	192665.96													
WCR 34 RAMP C (NB ON RAMP)	RMPA-1																
			POB	300+00.00	180016.81	192665.96											
	RMPA-2																
			PC	302+34.96	180251.76	192663.57											
			PI	304+50.43	180467.21	192661.37			2050.00	429.35	215.46	12°00'00"	Left	40 mph	6%	3.4%	
	PT	306+64.31	180677.50	192614.43													
	PC	310+68.05	181071.53	192526.47													
RMPA-2																	
		PI	315+93.57	181584.43	192411.98			5000.00	1047.20	525.52	12°00'00"	Right	70 mph	6%	3.7%		
		POE/PT	321+15.24	182109.92	192406.63												
	POB	400+00.00	180003.85	192006.06													
WCR 34 RAMP D (SB OFF RAMP)	RMPD-1																
			PC	402+41.20	180245.04	192003.60											
		PI	404+56.67	180460.49	192001.41			2050.00	429.35	215.46	12°00'00"	Right	40 mph	6%	3.4%		
		PT	406+70.55	180671.89	192044.05												
RMPD-2																	
		PC	410+74.29	181067.43	192123.97												
	PI	415+99.81	181582.56	192227.99			5000.00	1047.20	525.52	12°00'00"	Left	70 mph	6%	3.7%			
	POE/PT	421+21.48	182108.05	192222.64													

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 3/5/2015

Print Date: 3/5/2015
 Drawing File Name: 18319DES_ProjectControl.dgn
 Horiz. Scale: 1:1 Vert. Scale: As Noted
 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd.
 #4 - 100 Lakewood, CO 80226
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 Sheet Revisions
 Date: Comments Init.

Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
 No Revisions:
 Revised:
 Void:

I-25 FROM N/O SH 66 TO N/O SH 56
COORDINATE GEOMETRY
 Designer: RKZ Structure Numbers
 Detailer: LMR
 Sheet Subset: GEOMETRY Subset Sheets: 1 of 8

Project No./Code
 IM 0253-220
 18319
 Sheet Number **41**

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)
SH 56 RAMP E (SB ON RAMP)	RMPE-1	POB/PC	500+00.00	204540.45	192076.44										
		PI	506+83.77	205224.20	192071.26		5700.00	1361.03	683.77	13°40'51"	Left	50 mph	6%	RC	
		PT	513+61.03	205887.32	191904.51										
						N 14°06'54" W	94.59								
	RMPE-2	PC	514+55.62	205979.05	191881.44										
		PI	516+83.54	206200.09	191825.86		1900.00	453.68	227.92	13°40'51"	Right	40 mph	6%	3.4%	
PT		519+09.30	206428.01	191824.13											
		POE	520+34.18	206552.89	191823.19										
						N 0°26'02" W	124.88								
SH 56 RAMP F (NB OFF RAMP)	RMPF-1	POB	600+00.00	204718.79	192259.09										
		PC	604+29.41	205147.58	192282.06										
		PI	607+39.41	205457.15	192298.64		2940.00	617.73	310.01	12°02'19"	Right	50 mph	6%	3.4%	
			PT	610+47.14	205756.44	192379.42									
							N 15°06'16" E	150.70							
	RMPF-2	PC	611+97.83	205901.93	192418.69										
PI		614+57.06	206152.21	192486.24		1900.00	515.28	259.23	15°32'19"	Left	40 mph	6%	3.4%		
PT		617+13.11	206411.43	192484.28											
		POE	618+69.19	206567.51	192483.10										
						N 0°26'03" W	156.08								
SH 56 RAMP G (NB ON RAMP)	RMPG-1	POB	700+00.00	206567.51	192483.1										
		PC	702+07.23	206774.73	192481.53										
		PI	703+87.81	206955.31	192480.16		2000.00	360.19	180.59	10°19'08"	Left	40 mph	6%	3.4%	
			PT	705+67.42	207132.73	192446.47									
							N 10°45'10" W	696.63							
	RMPG-2	PC	712+64.05	207817.13	192316.49										
PI		717+15.52	208260.66	192232.26		5000.00	900.49	451.46	10°19'08"	Right	70 mph	6%	3.8%		
POE/PT		721+64.54	208712.11	192228.84											
						N 0°26'02" W	207.23								
SH 56 RAMP H (SB OFF RAMP)	RMPH-1	POB	800+00.00	206552.89	191823.19										
		PC	801+58.32	206711.20	191821.99										
		PI	803+97.43	206950.31	191820.18		2000.00	475.97	239.11	13°38'08"	Right	40 mph	6%	3.4%	
			PT	806+34.29	207183.11	191874.79									
							N 13°12'06" E	172.66							
	RMPH-2	PC	808+06.95	207351.21	191914.22										
PI		814+04.74	207933.20	192050.74		5000.00	1189.93	597.79	13°38'08"	Left	70 mph	6%	3.8%		
POE/PT		819+96.88	208530.97	192046.21											

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 3/5/2015

Print Date: 3/5/2015		Sheet Revisions		Colorado Department of Transportation		As Constructed		I-25 FROM N/O SH 66 TO N/O SH 56		Project No./Code	
Drawing File Name: 18319DES_ProjectControl.dgn		Date:	Comments	2207 East Highway 402 Loveland, CO 80537 Phone: 970-622-1268 FAX: 970-669-0289		No Revisions:		COORDINATE GEOMETRY		IM 0253-220	
Horiz. Scale: 1:1 Vert. Scale: As Noted				Region 4		Revised:		Designer: RKZ		18319	
Unit Information Unit Leader Initials				JFF		Void:		Detailer: LMR		Structure Numbers	
 MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. Lakewood, CO 80226 303-988-4939		0000 20% SUBMITTAL		 Region 4		Sheet Subset: GEOMETRY		Subset Sheets: 2 of 8		Sheet Number 42	

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
WCR 32		POB	3200+00.00	174730.97	191679.08											
		PI	3202+94.00	174734.05	191973.07	N 89°23'59" E	294.00									
						N 89°10'18" E	853.44									
	WCR32-1	PC		3211+47.44	174746.39	192826.42										
		PI		3212+38.36	174747.70	192917.33		865.00	181.18	90.92	12°00'03"	Right	45 mph	4%	4%	
		PT		3213+28.62	174730.08	193006.53										
	WCR32-2	PC		3214+71.44	174702.41	193146.64	S 78°49'39" E	233.75								
		PI		3215+62.07	174684.85	193235.56		865.00	180.60	90.63	11°57'46"	Left	45 mph	4%	4%	
		PT		3216+52.04	174686.10	193326.18										
			POE	3216+99.98	174686.76	193374.11	N 89°12'35" E	138.57								
WCR 34		POB	3398+00.00	179985.66	191106.24											
		PI	3413+31.50	180016.61	192637.43	N 88°50'32" E	1531.50									
		POE	3430+00.00	180028.23	194305.89	N 89°36'03" E	1668.50									
WCR 38		POB	38000+00.00	190625.22	190941.50											
	WCR38-1	PC		38003+09.50	190629.41	191250.98	N 89°13'29" E	309.50								
		PI		38003+69.21	190630.21	191310.68		1340.00	119.33	59.70	5°06'08"	Left	45 mph	4%	3.4%	
		PT		38004+28.83	190636.33	191370.06										
	WCR38-2	PC		38005+90.54	190652.89	191530.92	N 84°07'21" E	161.70								
		PI		38006+50.24	190659.00	191590.31		1340.00	119.33	59.70	5°06'08"	Right	45 mph	4%	3.4%	
		PT		38007+09.86	190659.81	191650.01										
			PI	38014+61.98	190669.99	192402.06	N 89°13'29" E	752.12								
	WCR38-3	PC		38017+86.90	190676.28	192726.91	N 88°53'28" E	324.92								
		PI		38018+50.25	190677.50	192790.25		1340.00	126.61	63.35	5°24'48"	Right	45 mph	4%	3.4%	
		PT		38019+13.51	190672.75	192853.42										
	WCR38-4	PC		38020+51.78	190662.37	192991.31	S 85°41'43" E	138.28								
		PI		38021+15.14	190657.61	193054.48		1340.00	126.61	63.35	5°24'49"	Left	45 mph	4%	3.4%	
		PT		38021+78.39	190658.84	193117.82										
			POE	38026+09.40	190667.18	193548.75	N 88°53'28" E	431.00								
	VALLEY ROAD		POB	4195+19.75	201303.32	191510.64										
VAL-1		PC		4196+81.27	201304.77	191672.15	N 89°29'15" E	161.52								
		PI		4197+13.74	201305.06	191704.62		533.00	64.86	32.47	6°58'20"	Right				
		PT		4197+46.13	201301.40	191736.88										
VAL-2		PC		4198+31.33	201291.82	191821.54	S 83°32'25" E	85.20								
		PI		4198+69.03	201287.58	191859.00		533.00	75.26	37.69	8°05'26"	Left				
	PT		4199+06.59	201288.65	191896.68											
		POE	4204+12.09	201303.04	192401.97	N 88°22'08" E	505.50									
SH 56 / WCR 44		POB	4400+00.00	206515.38	189680.51											
	SH56-1	PC		4423+74.21	206556.94	192054.36	N 88°59'50" E	2374.21								
		PI		4428+03.04	206564.44	192483.12		30000.00	857.60	428.83	1°38'16"	Left	45 mph	4%	NC	
		PT		4432+31.81	206584.20	192911.49										
	SH56-2	PC		4441+95.28	206628.59	193873.94	N 87°21'33" E	963.47								
		PI		4446+14.00	206647.88	194292.22		20000.00	837.32	418.72	2°23'56"	Right	45 mph	4%	NC	
		PT		4450+32.60	206649.65	194710.94										
		POE	4478+64.89	206661.62	197543.21	N 89°45'29" E	2832.29									

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 Horiz. Scale: 1:1 Vert. Scale: As Noted
 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
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Sheet Revisions	
Date:	Comments

Colorado Department of Transportation

CDOT

2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 **JFF**

As Constructed	I-25 FROM N/O SH 66 TO N/O SH 56	
No Revisions:	COORDINATE GEOMETRY	
Revised:	Designer: RKZ	Structure Numbers
Void:	Detailer: LMR	Subset Sheets: 3 of 8
	Sheet Subset: GEOMETRY	Sheet Number: 43

Project No./Code

IM 0253-220

18319


Sheet Number **43**

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
EAST FRONTAGE ROAD (EFR1) FROM SOUTH OF WCR 32 TO WCR 34		POB	4997+38.88	174019.15	192576.75											
	EFR1-1	PC	4998+59.77	174140.04	192575.77	N 0°27'57" W	120.89									
		PI	4999+29.52	174209.78	192575.20			510.00	138.63	69.75	15°34'28"	Right	35 mph	2%	NC	
		PT	4999+98.40	174277.11	192593.38											
							N 15°06'31" E	202.54								
	EFR1-2	PC	5002+00.95	174472.66	192646.18											
		PI	5002+69.64	174538.97	192664.08			510.00	136.56	68.69	15°20'30"	Left	35 mph	2%	NC	
		PT	5003+37.51	174607.66	192663.80											
	EFR1-3	PC	5006+28.77	174898.92	192662.62	N 0°13'59" W	291.26									
		PI	5007+73.19	175043.34	192662.03			3090.00	288.64	144.42	5°21'07"	Left	45 mph	4%	2.4%	
		PT	5009+17.40	175187.08	192647.97											
	EFR1-4	PC	5013+75.60	175643.10	192603.38	N 5°35'06" W	458.20									
		PI	5015+22.77	175789.58	192589.06			4000.00	294.21	147.17	4°12'51"	Right	60 mph	4%	3.0%	
		PRC	5016+69.81	175936.71	192585.54											
	EFR1-5	PRC	5016+69.81	175936.71	192585.54	N 1°22'15" W										
		PI	5020+79.36	176346.14	192575.74			60154.00	819.09	409.55	0°46'49"	Left	60 mph	4%	NC	
		PRC	5024+88.90	176755.40	192560.37											
	EFR1-6	PRC	5024+88.90	176755.40	192560.37	N 2°09'03" W										
		PI	5026+63.85	176930.23	192553.80			14000.00	349.89	174.95	1°25'55"	Right	60 mph	4%	NC	
		PT	5028+38.79	177105.17	192551.61											
	EFR1-7	PC	5029+86.49	177252.86	192549.75	N 0°43'08" W	147.71									
		PI	5030+98.28	177364.64	192548.35			14000.00	223.57	111.79	0°54'54"	Left	60 mph	4%	NC	
		PT	5032+10.06	177476.38	192545.16											
	EFR1-8	TS	5035+70.29	177836.47	192534.89	N 1°38'02" W	360.23									
		SPI	5036+41.63	177907.78	192532.86				107.00		2°02'37"	Right				
		SC	5036+77.29	177943.45	192533.11	N 0°24'35" E										
		PI	5042+21.96	178488.10	192537.01			1500.00	1044.92	544.67	39°54'47"	Right	60 mph	4%	4%	
		CS	5047+22.22	178903.36	192889.46	N 40°19'22" E										
		SPI	5047+57.89	178930.56	192912.54				107.00		2°02'37"	Right				
	EFR1-9	ST	5048+29.22	178983.27	192960.61											
		PC	5051+30.04	179205.53	193163.33	N 42°21'59" E	300.82									
		PI	5054+83.61	179466.77	193401.59			900.00	673.80	353.57	42°53'44"	Left	40 mph	4%	3.6%	
		PT	5058+03.84	179820.33	193398.32											
						N 0°31'45" W	201.58									
		POE	5060+05.42	180021.90	193396.46											

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 Unit Information Unit Leader Initials



MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd.
 CONSULTING ENGINEERS #4 - 100
 Lakewood, CO 80226
 P: 12-003.01/18319/Design/ 303-988-4939

Sheet Revisions

Date:	Comments	Init.

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2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed

No Revisions:

Revised:

Void:

I-25 FROM N/O SH 66 TO N/O SH 56
COORDINATE GEOMETRY

Designer: RKZ Structure Numbers
 Detailer: LMR Subset Sheets: 4 of 8

Sheet Subset: GEOMETRY

Project No./Code
 IM 0253-220

18319

Sheet Number **44**

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
EAST FRONTAGE ROAD (EFR2) WCR 34 TO WCR 38		POB	6000+00.00	180021.90	193396.47											
	EFR2-1	TS	6010+49.03	181070.91	193390.55	N 0°19'23" W	1049.03									
		SPI	6011+17.04	181138.91	193390.17				102.00		2°27'20"	Left				
		SC	6011+51.03	181172.88	193388.52	N 2°46'43" W										
		PI	6015+27.44	181548.85	193370.27			1190.00	729.11	376.41	35°06'19"	Left	55 mph	4%	4%	
		CS	6018+80.14	181845.93	193139.14	N 37°53'02" W										
		SPI	6019+14.15	181872.77	193118.26				102.00		2°27'20"	Left				
		ST	6019+82.14	181924.60	193074.23											
	EFR2-2						N 40°20'22" W	288.90								
		TS	6022+71.05	182144.81	192887.22											
		SPI	6023+39.05	182196.65	192843.20				102.00		2°27'20"	Right				
		SC	6023+73.05	182223.49	192822.32	N 37°53'02" W										
		PI	6027+04.53	182485.11	192618.77			1190.00	646.57	331.48	31°07'52"	Right	55 mph	4%	4%	
		CS	6030+19.62	182814.29	192579.79	N 6°45'10" W										
		SPI	6030+53.63	182848.06	192575.79				102.00		2°27'20"	Right				
	EFR2-3	ST	6031+21.62	182915.88	192570.70											
		PC	6043+35.70	184126.54	192479.73	N 4°17'50" W	1214.08									
		PI	6046+69.62	184459.53	192454.71			10300.00	667.61	333.92	3°42'49"	Right	60 mph	4%	NC	
	EFR2-4	PT	6050+03.31	184793.44	192451.31											
							N 0°35'00" W	4808.15								
		TS	6098+11.46	189601.33	192402.34											
		SPI	6098+82.80	189672.87	192401.62				107.00		2°02'37"	Right				
		SC	6099+18.46	189708.33	192402.53	N 1°27'36" E										
		PI	6100+55.65	189845.47	192406.02			1500.00	273.62	137.19	10°27'05"	Right	60 mph	4%	4%	
		CS	6101+92.08	189979.71	192434.34	N 11°54'42" E										
	EFR2-5	SPI	6102+27.75	190014.61	192441.70				107.00		2°02'37"	Right				
		ST	6102+99.08	190083.84	192458.90											
		PC	6106+63.44	190437.45	192546.77	N 13°57'18" E	364.36									
	EFR2-5	PI	6107+19.34	190491.70	192560.26			533.00	111.39	55.90	11°58'28"	Left	40 mph	4%	4%	
		PT	6107+74.83	190547.57	192562.19											
		POE	6109+00.51	190673.17	192566.53	N 1°58'50" E	125.68									

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Unit Information Unit Leader Initials


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Region 4 JFF

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No Revisions:

Revised:

Void:

I-25 FROM N/O SH 66 TO N/O SH 56

COORDINATE GEOMETRY

Designer: RKZ Structure Numbers

Detailer: LMR

Sheet Subset: GEOMETRY Subset Sheets: 5 of 8

Project No./Code

IM 0253-220

18319

Sheet Number **45**

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
EAST FRONTAGE ROAD (EFR3) WCR 38 TO SH 56 / WCR 44		POB	7000+00.00	190673.17	192566.53											
	EFR3-1	PC	7001+20.15	190793.25	192570.68	N 1°58'50" E	120.15									
		PI	7002+24.46	190897.50	192574.29			533.00	206.02	104.31	22°08'47"	Left	40 mph	4%	4%	
		PT	7003+26.17	190995.42	192538.33											
	EFR3-2						N 20°09'57" W	84.42								
		TS	7004+10.59	191074.66	192509.23											
		SPI	7004+81.93	191141.62	192484.63				107.00			2°02'37"	Right			
		SC	7005+17.59	191175.53	192473.54	N 18°07'20" W										
		PI	7007+28.71	191376.17	192407.87			1500.00	419.48	211.12	16°01'23"	Right	60 mph	4%	4%	
		CS	7009+37.07	191587.15	192400.14	N 2°05'57" W										
	EFR3-3	SPI	7009+72.74	191622.80	192398.83				107.00			2°02'37"	Right			
		ST	7010+44.07	191694.14	192398.76											
		PI	7087+66.00	199416.06	192391.27	N 0°03'20" W	7721.93									
	EFR3-4	PC	7094+04.65	200054.70	192386.71	N 0°24'31" W	638.65									
		PI	7096+00.00	200250.04	192385.32			10300.00	390.65	195.35	2°10'23"	Right	60 mph	4%	NC	
		PT	7097+95.30	200445.29	192391.34											
	EFR3-5	PC	7100+44.30	200694.18	192399.00	N 1°45'52" E	249.00									
		PI	7102+41.94	200891.72	192405.09			10300.00	395.23	197.64	2°11'55"	Left	60 mph	4%	NC	
		PT	7104+39.53	201089.35	192403.59											
	EFR3-6	PC	7108+78.68	201528.49	192400.27	N 0°26'02" W	439.15									
		PI	7110+30.74	201680.55	192399.11			10300.00	304.10	152.06	1°41'30"	Left	60 mph	4%	NC	
		PT	7111+82.79	201832.51	192393.47											
	EFR3-7	PC	7115+22.69	202172.18	192380.87	N 2°07'32" W	339.90									
		PI	7116+64.75	202314.14	192375.60			10300.00	284.10	142.06	1°34'49"	Right	60 mph	4%	NC	
		PT	7118+06.79	202456.19	192374.25											
		TS	7141+69.98	204819.28	192351.76	N 0°32'43" W	2363.19									
		SPI	7142+37.99	204887.28	192351.11				102.00			2°27'20"	Right			
		SC	7142+71.98	204921.27	192352.24	N 1°54'37" E										
	EFR3-8	PI	7147+76.03	205425.04	192369.04			1190.00	953.57	504.05	45°54'44"	Right	55 mph	4%	4%	
		CS	7152+25.55	205763.47	192742.58	N 47°49'21" E										
SPI		7152+59.56	205786.31	192767.78				102.00			2°27'20"	Right				
EFR3-8	ST	7153+27.55	205829.77	192820.09												
	PC	7154+86.84	205931.56	192942.60	N 50°16'41" E	159.29										
	PI	7157+38.79	206092.57	193136.39			533.00	470.72	251.95	50°36'04"	Left	40 mph	4%	4%		
EFR3-8	PT	7159+57.56	206344.52	193134.97												
	POE	7162+07.48	206594.44	193133.56	N 0°19'23" W	249.92										

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Unit Information Unit Leader Initials

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Region 4 **JFF**

As Constructed

No Revisions:

Revised:

Void:

I-25 FROM N/O SH 66 TO N/O SH 56

COORDINATE GEOMETRY

Designer: RKZ Structure Numbers

Detailer: LMR

Sheet Subset: GEOMETRY Subset Sheets: 6 of 8

Project No./Code

IM 0253-220

18319

Sheet Number **46**

HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
EAST FRONTAGE ROAD (EFR4) NORTH OF SH56 / WCR 44		POB	8000+00.00	206594.44	193133.56											
	EFR4-1	PC	8002+03.50	206797.94	193132.42	N 0°19'23" W	203.50									
		PI	8005+00.39	207094.83	193130.74			800.00	568.57	296.89	40°43'16"	Left	40 mph	4%	3.8%	
		PT	8007+72.07	207318.74	192935.79											
	EFR4-2						N 41°02'39" W	319.87								
		TS	8010+91.95	207559.99	192725.75											
		SPI	8011+63.28	207613.79	192678.91				107.00			2°02'37"	Right			
		SC	8011+98.95	207641.52	192656.46	N 39°00'02" W										
		PI	8016+93.91	208026.17	192344.97			1500.00	956.17	494.96	36°31'23"	Right	60 mph	4%	4%	
		CS	8021+55.12	208520.67	192323.57	N 2°28'39" W										
		SPI	8021+90.79	208556.30	192322.03				107.00			2°02'37"	Right			
	ST	8022+62.12	208627.64	192321.49												
							N 0°26'02" W	2494.46								
		POE	8047+56.58	211122.03	192302.59											

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HORIZONTAL ALIGNMENT DATA

ALIGNMENT	CURVE NUMBER	POINT TYPE	STATION	NORTHING	EASTING	BEARING	DISTANCE (FEET)	RADIUS (FEET)	LENGTH (FEET)	TANGENT (FEET)	CURVE DELTA	CURVE DIRECTION	DESIGN SPEED	e (max)	e (design)	
WEST FRONTAGE ROAD		POB	9000+00.00	195941.46	191790.63											
	WFR-1	PC	9001+68.11	195945.09	191958.70	N 88°45'39" E	168.11									
		PI	9002+66.07	195947.21	192056.63			100.00	155.01	97.96	88°48'59"	Left	20 mph	4%	4%	
		PT	9003+23.12	196045.17	192056.54											
	WFR-2	PC	9035+66.79	199288.83	192053.39	N 0°03'20" W	3243.66									
		PI	9037+54.46	199476.50	192053.21			7080.00	375.26	187.67	3°02'13"	Left	60 mph	4%	RC	
		PT	9039+42.05	199663.90	192043.08											
	WFR-3	PC	9048+82.86	200603.34	191992.33	N 3°05'33" W	940.81									
		PI	9050+70.79	200791.00	191982.19			7080.00	375.77	187.93	3°02'27"	Right	60 mph	4%	RC	
		PT	9052+58.63	200978.93	191982.02											
	WFR-4	PC	9058+11.66	201531.96	191981.53	N 0°03'05" W	553.04									
		PI	9059+71.40	201691.70	191981.38			2700.00	319.11	159.74	6°46'18"	Right	60 mph	4%	3.4%	
		PT	9061+30.77	201850.35	192000.08											
	WFR-5	PC	9062+40.93	201959.75	192012.97	N 6°43'13" E	110.16									
		PI	9064+09.72	202127.38	192032.72			2700.00	337.14	168.79	7°09'15"	Left	60 mph	4%	3.4%	
PT		9065+78.07	202296.16	192031.44												
	PI	9073+25.41	203043.48	192025.78	N 0°26'02" W	747.34										
	PI	9079+25.49	203643.39	192011.23	N 1°23'20" W	600.08										
	POE	9081+85.74	203903.63	192009.26	N 0°26'02" W	260.25										
W FRONTAGE DITCH RIDERS ROAD	POB	81+85.74	203903.32	191968.70												
	DR-1	PC	86+56.03	204373.61	191968.70	N 0°00'00" E	470.29									
		PI	86+91.11	204408.70	191968.70			50.00	61.18	35.08	70°06'39"	Left				
PT		87+17.21	204420.63	191935.71												
	POE	88+60.22	204469.28	191801.24	N 70°06'39" W	143.00										
PARK N RIDE ACCESS ROAD	POB	44800+00.00	206535.70	190841.34												
	PNRA-1	PC	44803+86.80	206922.45	190834.57	N 1°00'10" W	386.80									
		PI	44805+07.57	207043.20	190832.46			333.00	231.72	120.77	39°52'08"	Right	30 mph	2%	NC	
		PT	44806+18.52	207137.23	190908.24											
	PNRA-2	PC	44807+76.83	207260.49	191007.58	N 38°51'57" E	158.31									
		PI	44808+94.31	207351.97	191081.30			333.00	225.89	117.48	38°51'57"	Left	30 mph	2%	NC	
PT		44810+02.71	207469.45	191081.30												
	POE	44820+24.65	208491.39	191081.30	N 0°00'00" E	1021.93										
PARK N RIDE LOOP ROAD	POB	44900+00.00	207784.60	191081.30												
	PNRL-1	PC	44904+64.05	207784.60	191545.35	S 90°00'00" E	464.05									
		PI	44904+81.12	207784.60	191562.42			100.00	33.81	17.07	19°22'19"	Left				
		PT	44904+97.86	207790.26	191578.52											
	PNRL-2	PC	44907+38.37	207870.04	191805.41	N 70°37'41" E	240.51									
		CC	44907+38.37	207821.75	191821.82			51.00	176.94		198°46'50"	Right				
PT		44909+15.31	207770.75	191821.92												
	POE	44910+91.64	207770.58	191645.59	S 89°56'37" W	176.33										

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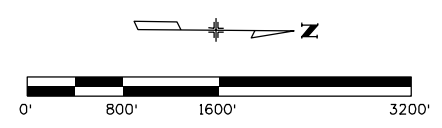
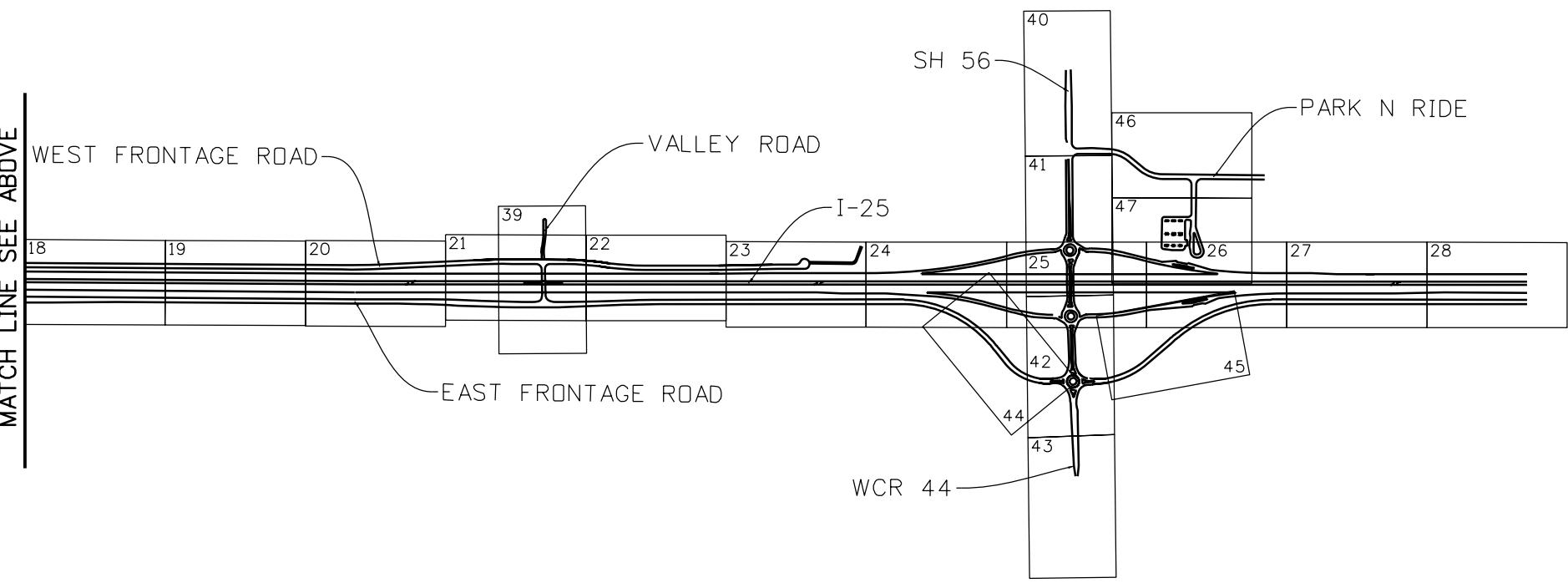
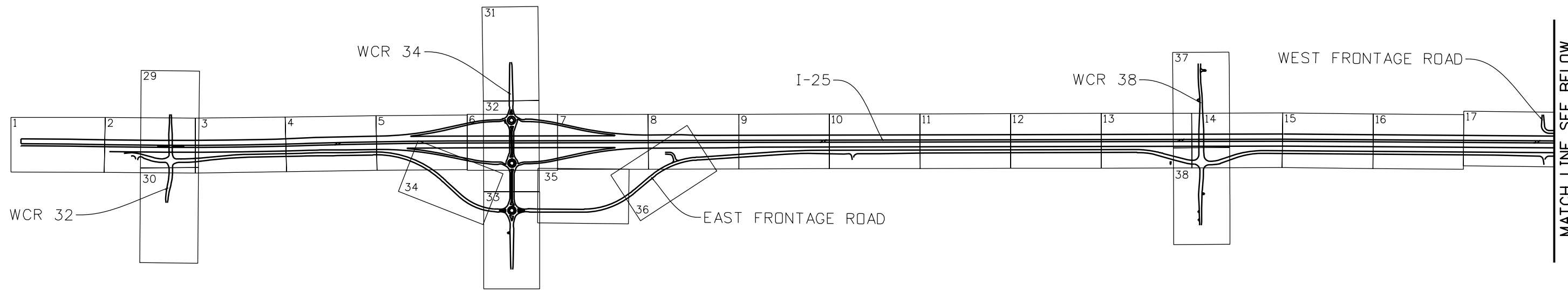
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Project No./Code

IM 0253-220

18319

Sheet Number **48**



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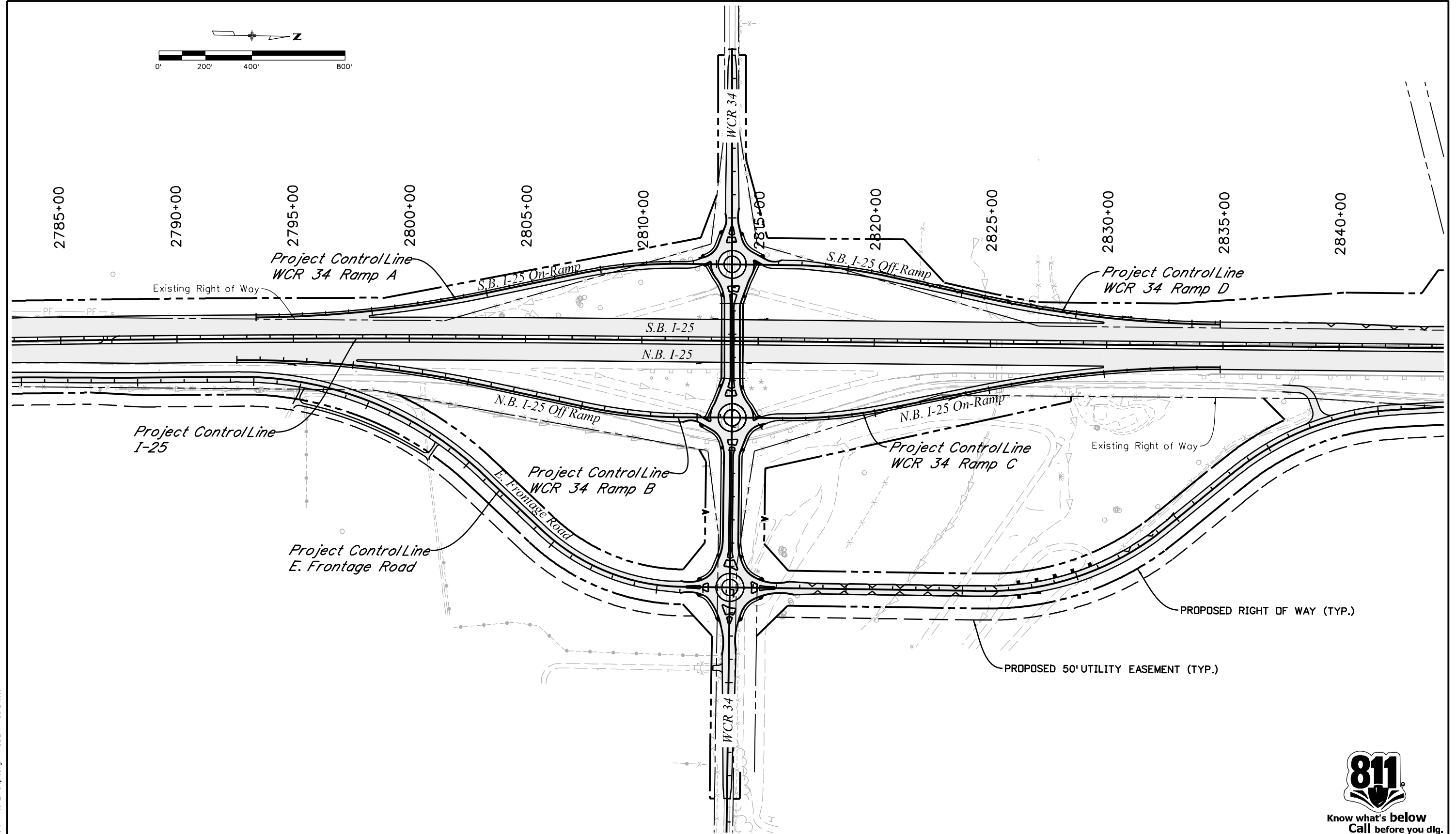
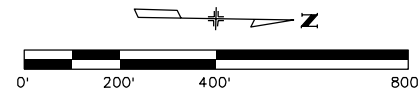
Region 4 JFF

As Constructed	No Revisions:
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I-25 FROM N/O SH 66 TO N/O SH 56			
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Detailer:	LMR	Numbers	
Sheet Subset:	KEYMAP	Subset Sheets:	1 of 1

Project No./Code	IM 0253-220
	18319
Sheet Number	49



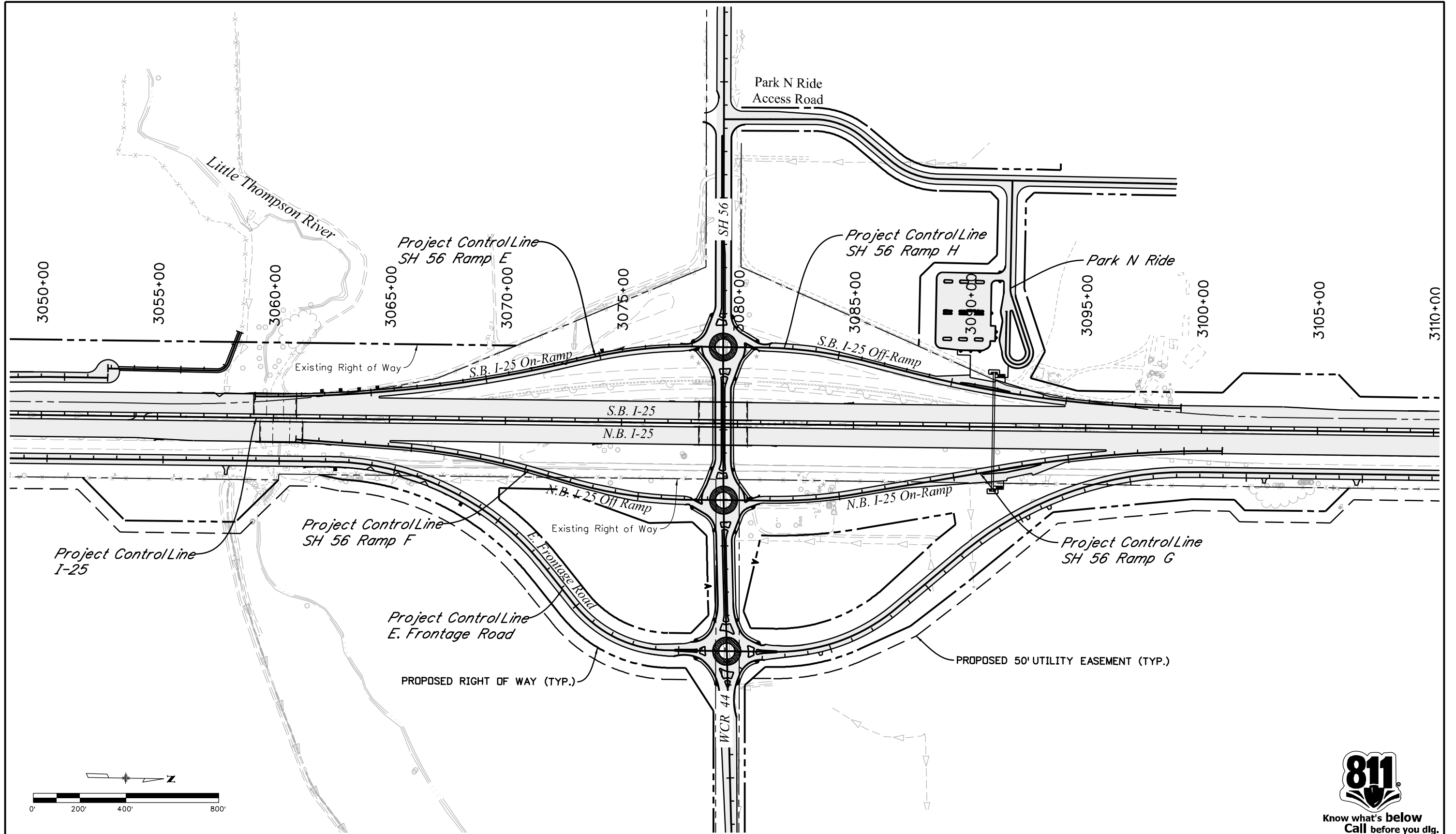


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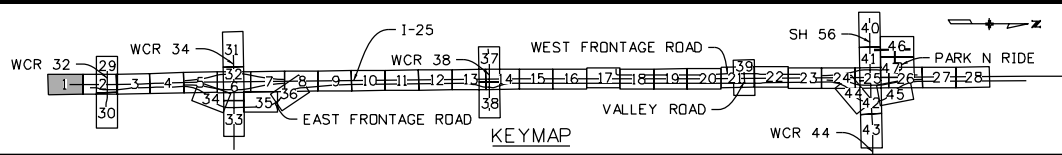
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Unit Information Unit Leader Initials		20% SUBMITTAL		JFF		Void:		Designer: RKZ Structure		Sheet Number 50	
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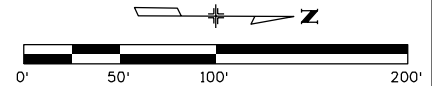


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Call before you dig.

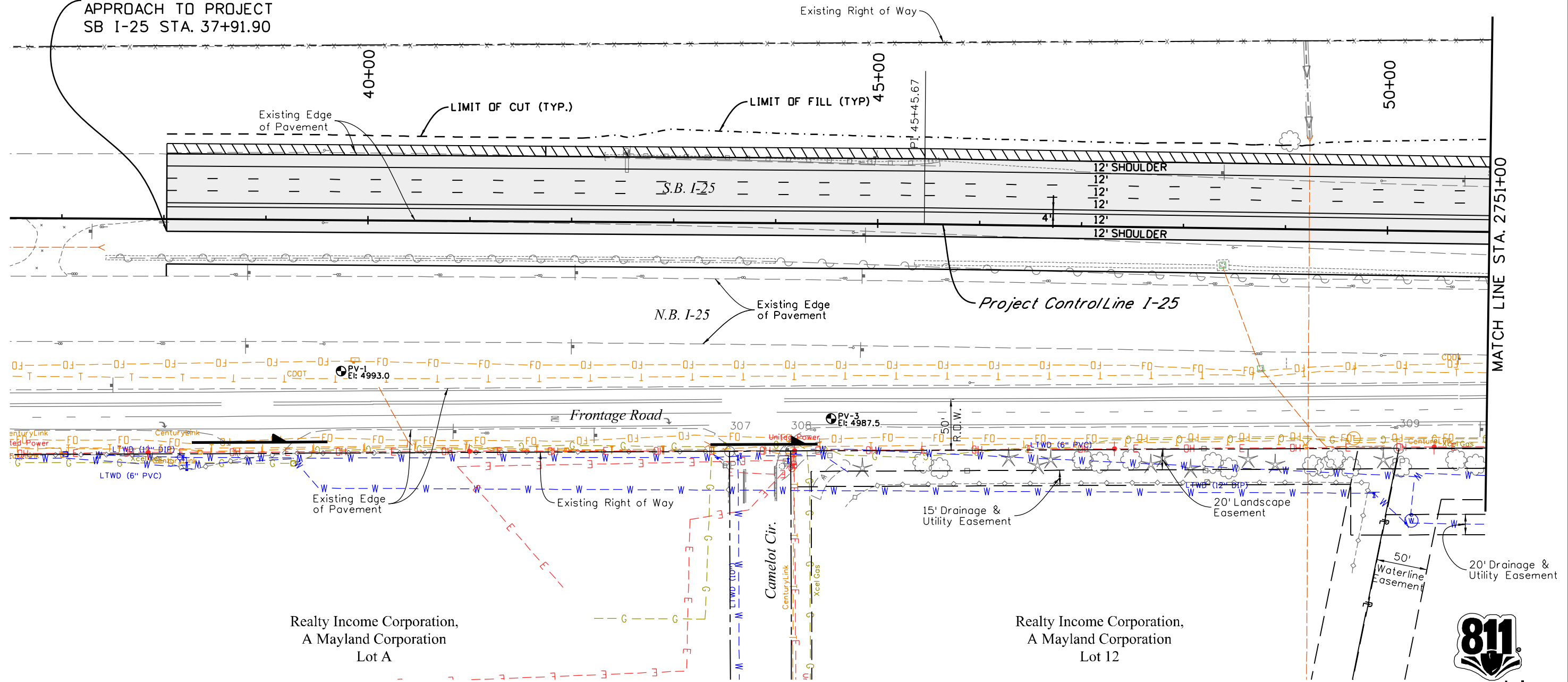
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Drawing File Name: 18319DES_CR56_Interchange.dgn		Date:	Comments	2207 East Highway 402 Loveland, CO 80537 Phone: 970-622-1268 FAX: 970-669-0289		No Revisions:		Designer: RKZ		IM 0253-220	
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Unit Information Unit Leader Initials						Void:		Structure Numbers		Sheet Subset: INTRCHNG	
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Jim H. McKinstry &
Lynda L. McKinstry
Trust



BEGIN NORTH I-25 RECONSTRUCTION
PROJECT NO. IM 0253-220
APPROACH TO PROJECT
SB I-25 STA. 37+91.90



Realty Income Corporation,
A Mayland Corporation
Lot A

Realty Income Corporation,
A Mayland Corporation
Lot 12



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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
0000	20% SUBMITTAL	

Colorado Department of Transportation

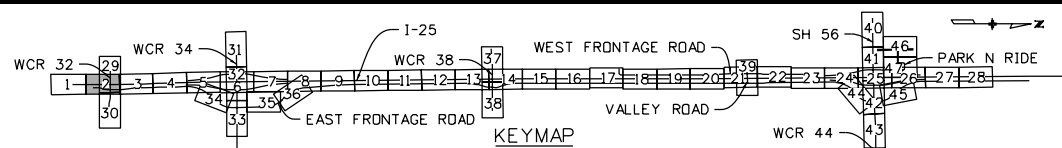
2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed	No Revisions:
Revised:	Void:

I-25 FROM N/O SH 66 TO N/O SH 56 I-25 ROADWAY PLAN STA. 2737+00 TO STA. 2751+00			
Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	1 of 47
Sheet Subset:	ROADWAY		

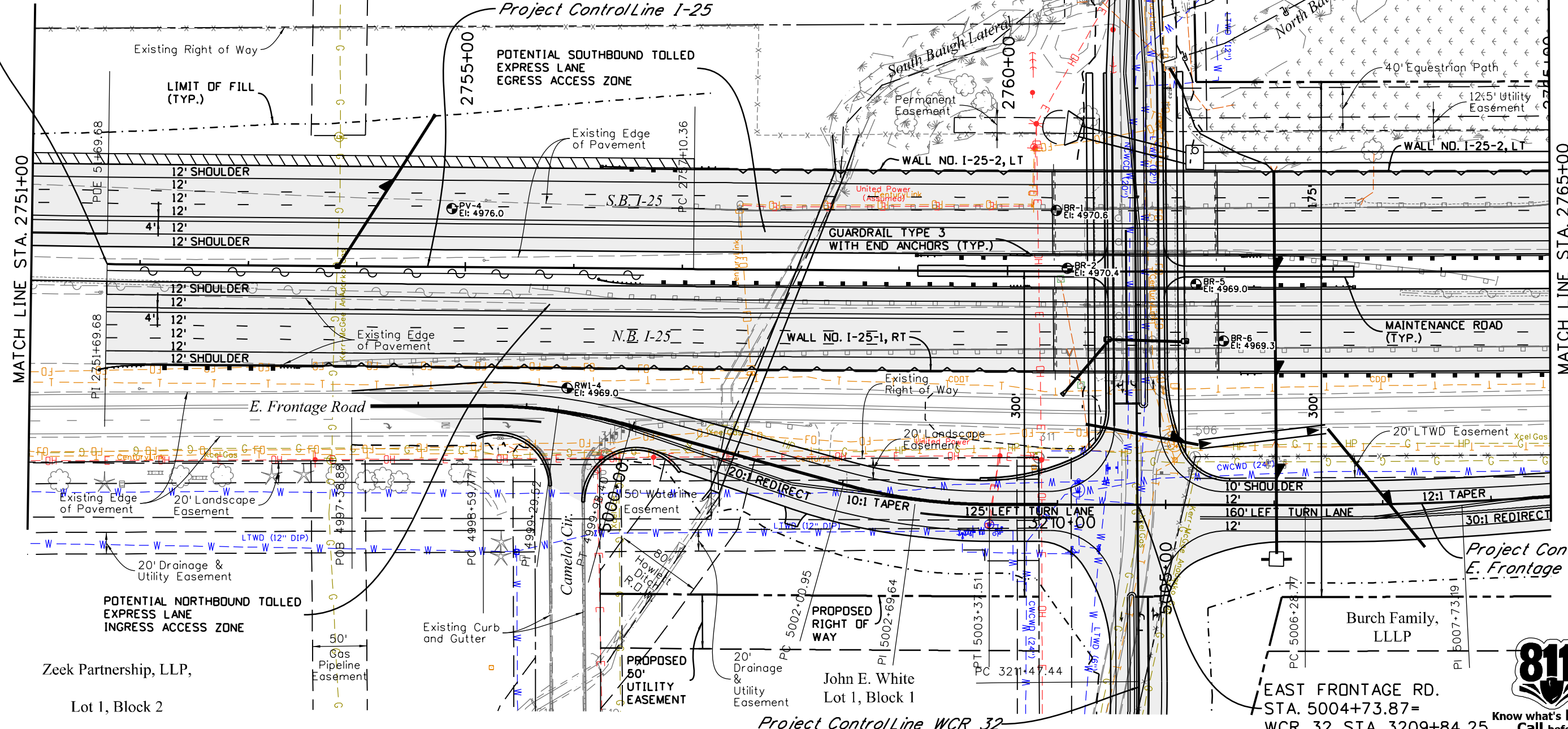
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Sheet Number	52



Jim H. McKinstry &
Lynda L. McKinstry
Trust

BEGIN NORTH I-25 RECONSTRUCTION
FROM N/O SH 66 TO N/O SH 56
PROJECT NO. IM 0253-220
STA. 2751+69.68

Jim H. McKinstry &
Lynda L. McKinstry
Trust



MATCH LINE STA. 2751+00

MATCH LINE STA. 2765+00

Zeek Partnership, LLP,
Lot 1, Block 2

PROPOSED
50'
UTILITY
EASEMENT

John E. White
Lot 1, Block 1

Burch Family,
LLLP

EAST FRONTAGE RD.
STA. 5004+73.87=
WCR 32 STA. 3209+84.25



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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions	
Date:	Comments
0000	20% SUBMITTAL

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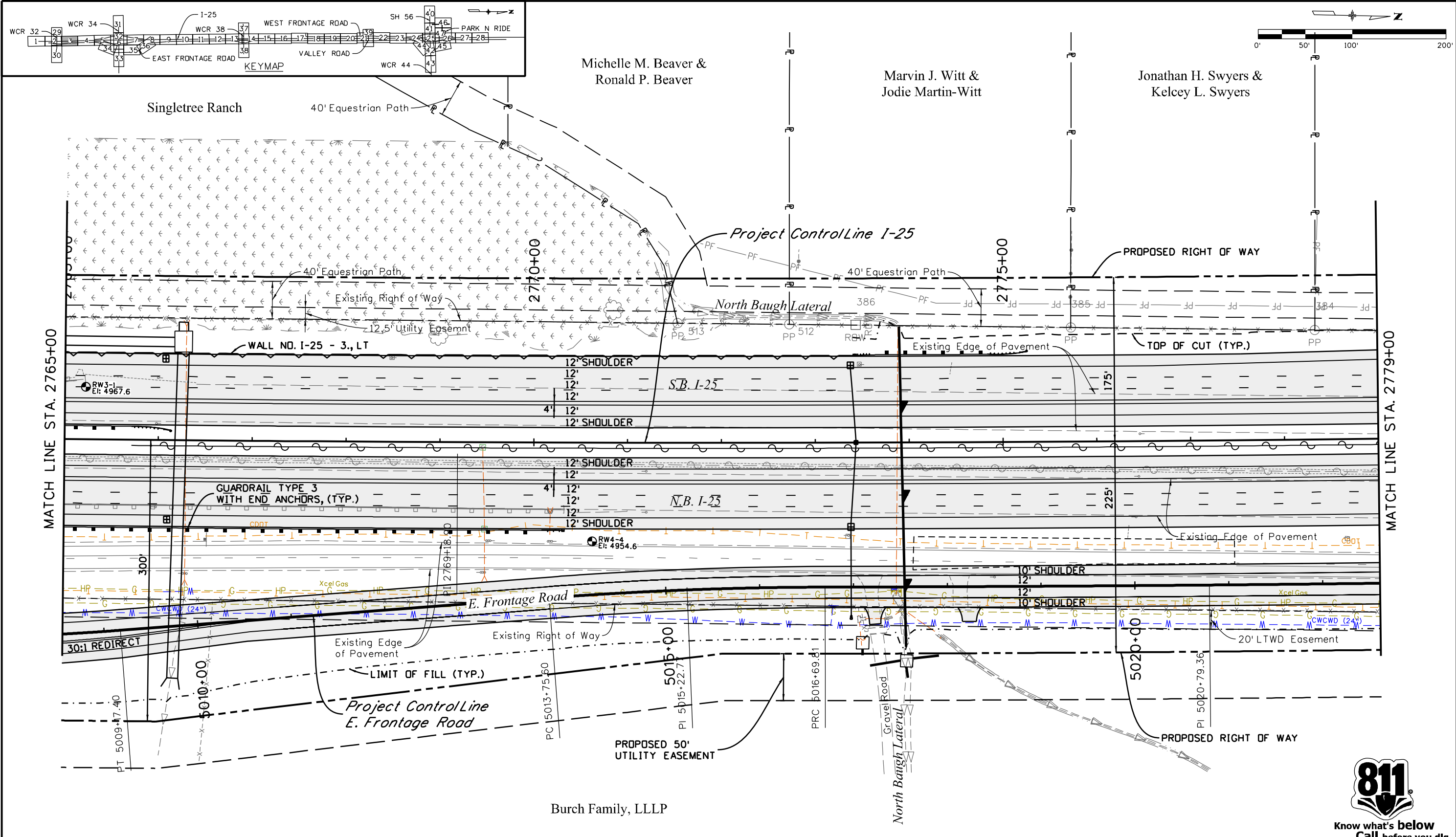
2207 East Highway 402
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Region 4 JFF

As Constructed	No Revisions:
Revised:	Void:

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Designer: RKZ	Structure Numbers:
Detailer: MAW	Sheet Subst: ROADWAY
Subset Sheets: 2 of 47	

Project No./Code	IM 0253-220
Sheet Number	53



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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd., #4 - 100 CONSULTING ENGINEERS Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
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Region 4 JFF

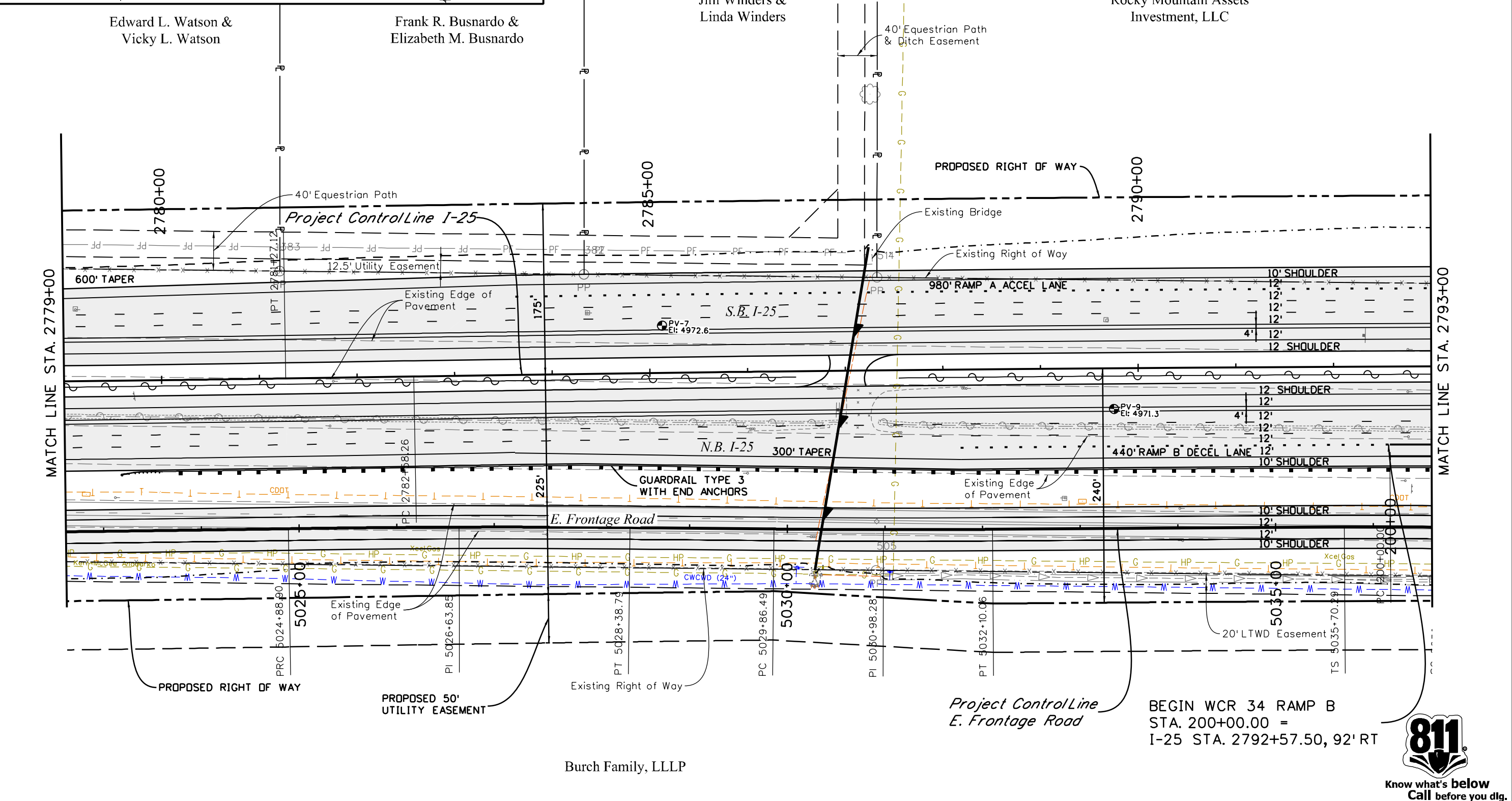
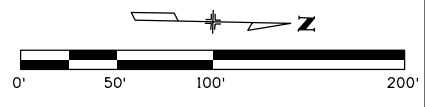
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	3 of 47

Project No./Code	IM 0253-220
Sheet Number	54



Know what's below
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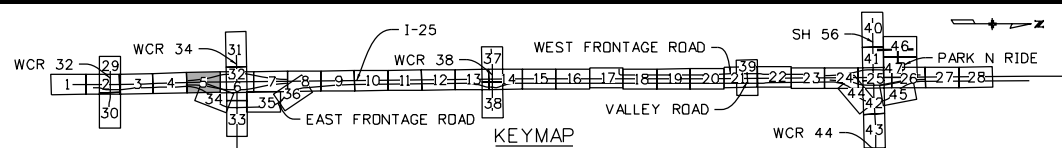


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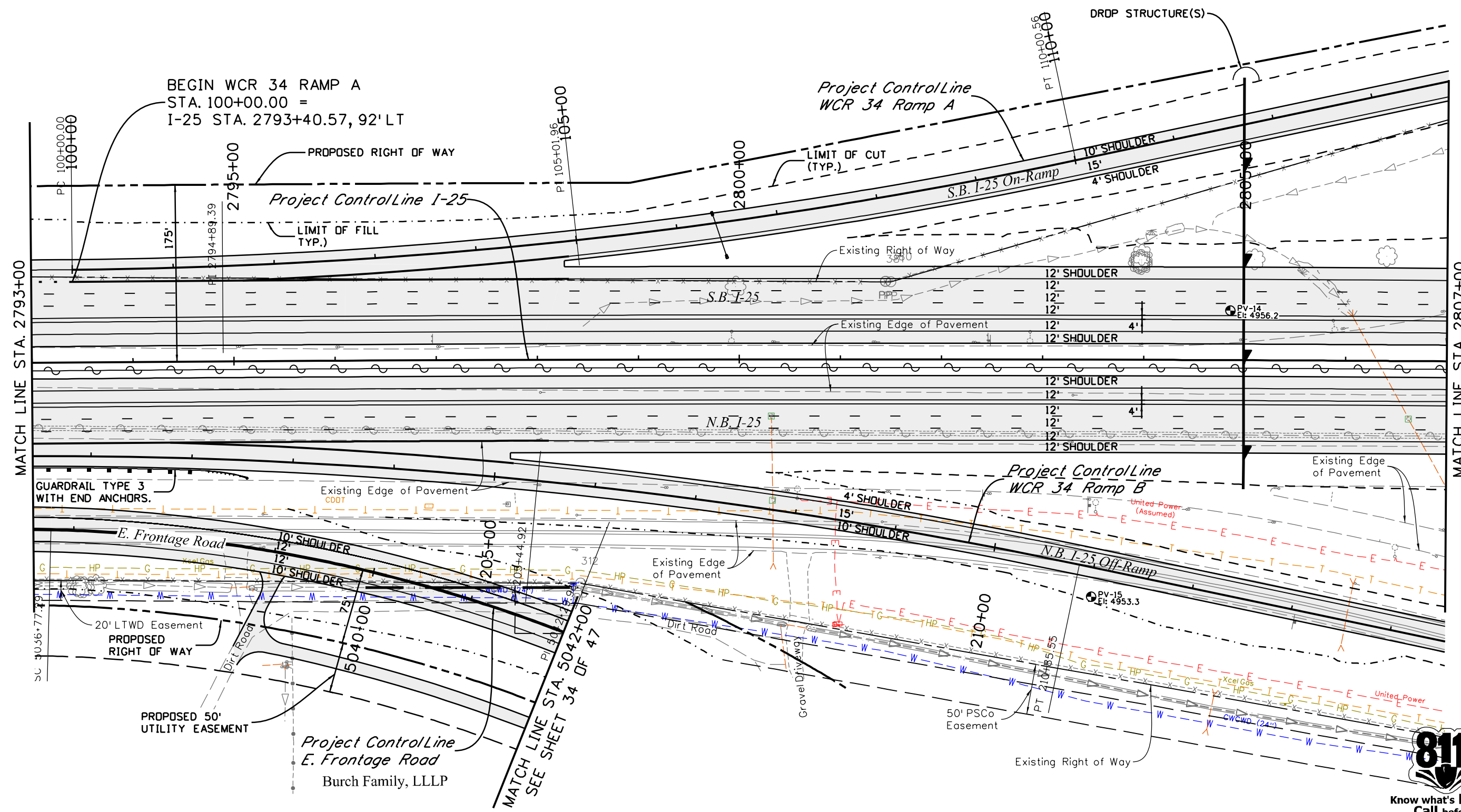
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Vert. Scale: As Noted		Unit Leader Initials		JFF		Void:		Detailer: MAW		18319	
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939		0000		20% SUBMITTAL				Sheet Subset: ROADWAY		Subset Sheets: 4 of 47	
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Rocky Mountain Assets
Investment, LLC



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Sheet Revisions		
Date:	Comments	Init.
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Region 4 JFF

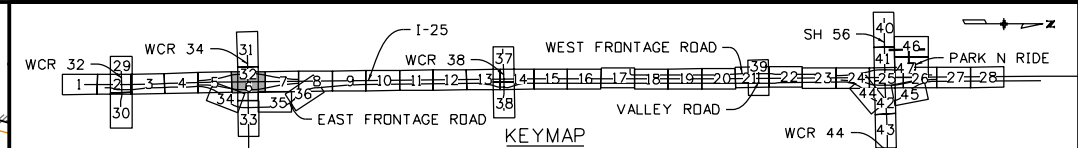
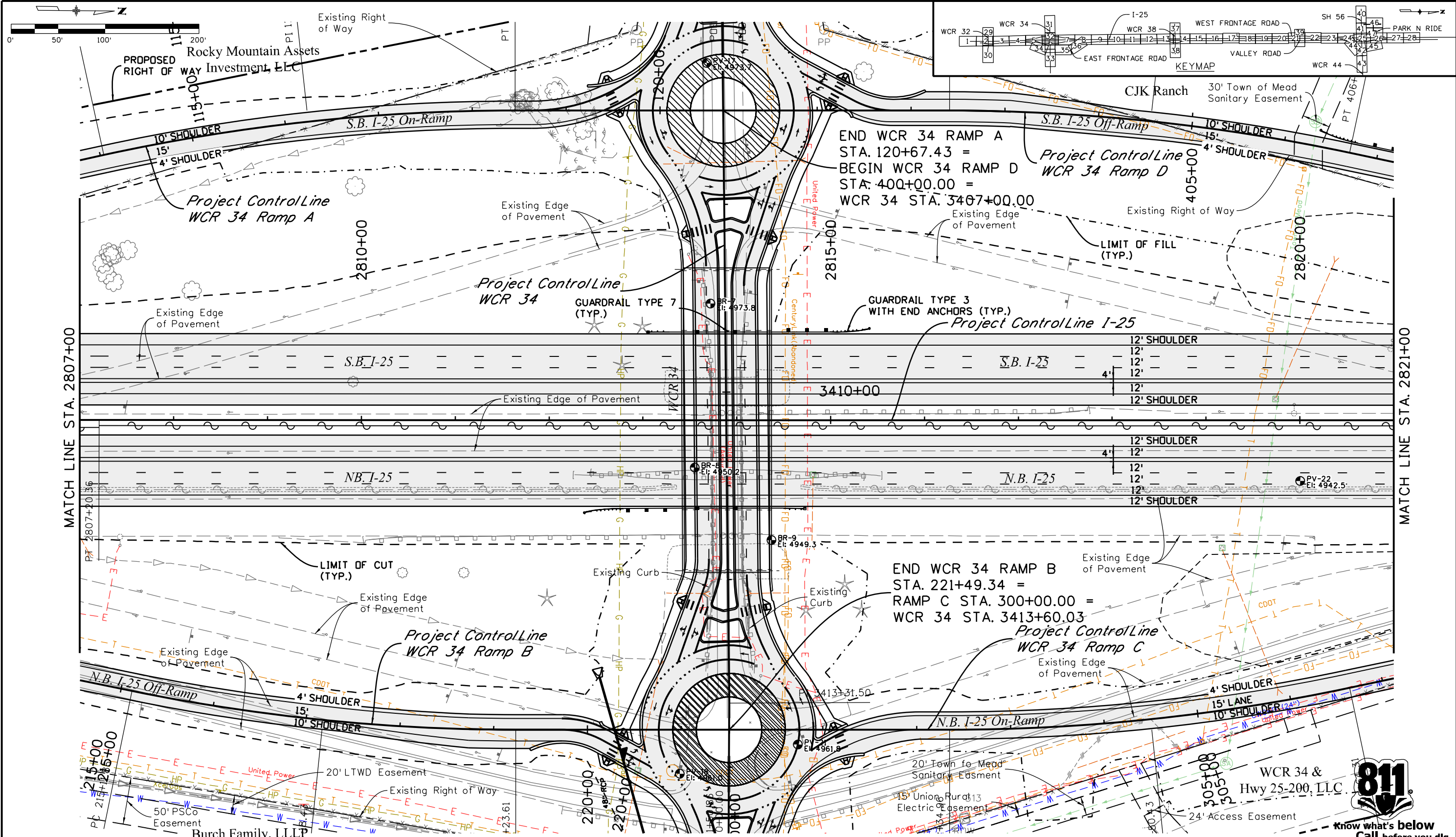
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No Revisions:
Revised:
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Designer: RKZ	Structure Numbers:
Detailer: MAW	
Sheet Subset: ROADWAY	Subset Sheets: 5 of 47

Project No./Code	IM 0253-220
Sheet Number	56



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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 CONSULTING ENGINEERS Lakewood, CO 80226 P: 303-988-4939 F: 303-988-4939	

Sheet Revisions	
Date:	Comments

Colorado Department of Transportation

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 Region 4 JFF

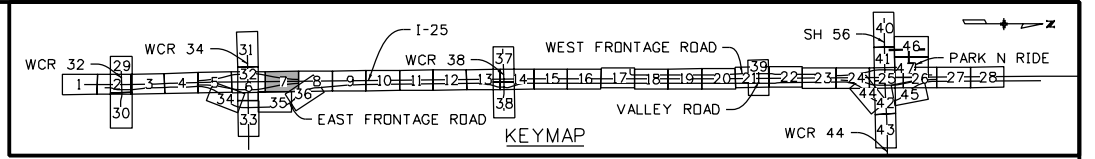
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Designer:	RKZ
Detailer:	MAW
Structure Numbers	
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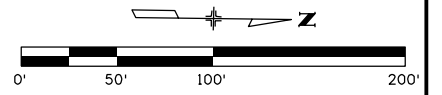
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	18319
Sheet Number	57

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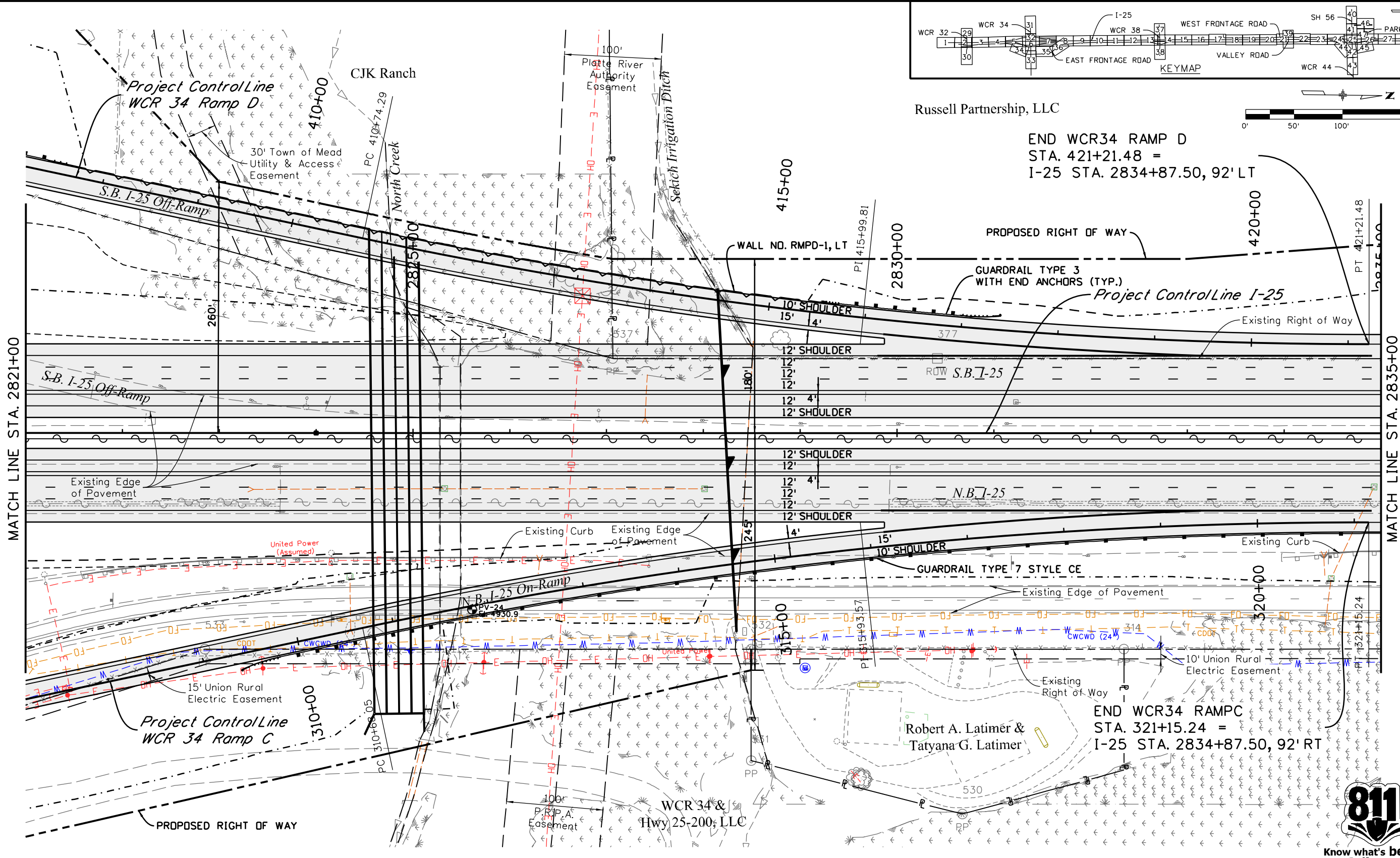

 Know what's below
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Russell Partnership, LLC



END WCR34 RAMP D
 STA. 421+21.48 =
 I-25 STA. 2834+87.50, 92' LT



MATCH LINE STA. 2821+00

MATCH LINE STA. 2835+00

END WCR34 RAMP C
 STA. 321+15.24 =
 I-25 STA. 2834+87.50, 92' RT



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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions	
Date:	Comments
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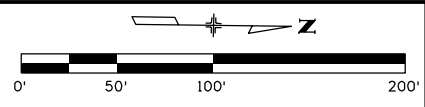
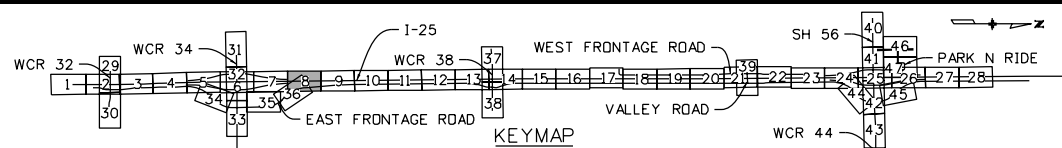
2207 East Highway 402
 Loveland, CO 80537
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Region 4 JFF

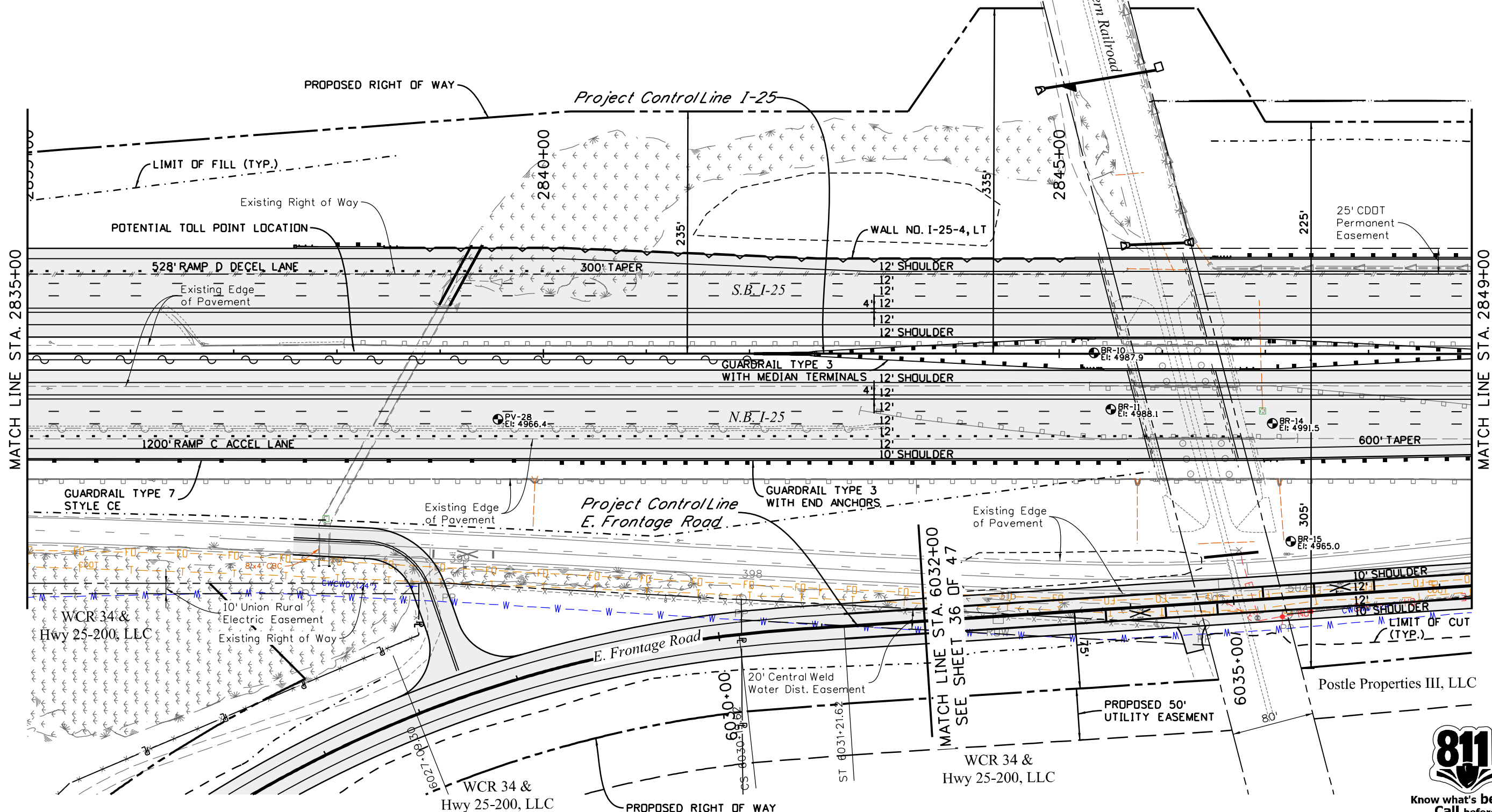
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	7 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	58



Russell Partnership, LLC



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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

2207 East Highway 402
 Loveland, CO 80537
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Region 4 JFF

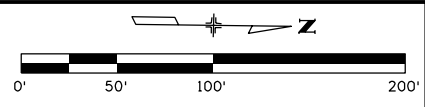
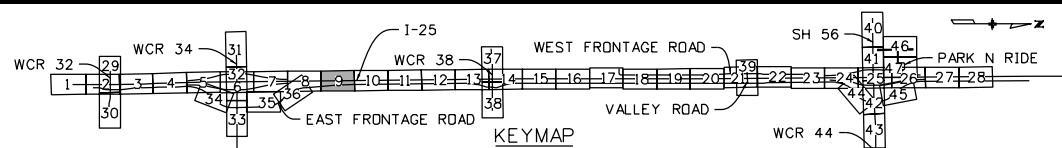
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Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: ROADWAY	Subset Sheets: 8 of 47

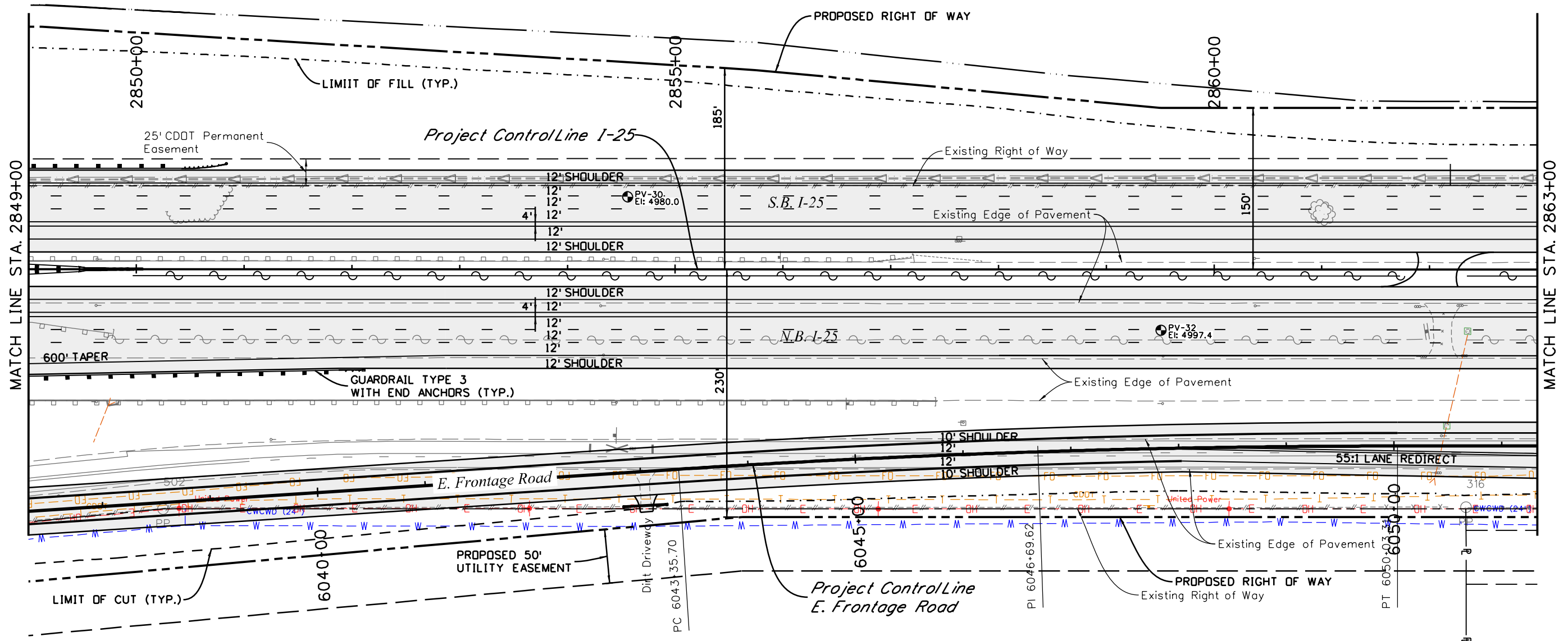
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	18319
Sheet Number	59

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Russell Partnership, LLC



Postle Properties III, LLC



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Sheet Revisions		
Date:	Comments	Init.
20% SUBMITTAL		

Colorado Department of Transportation



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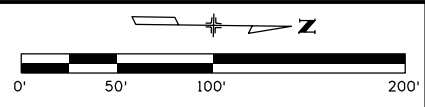
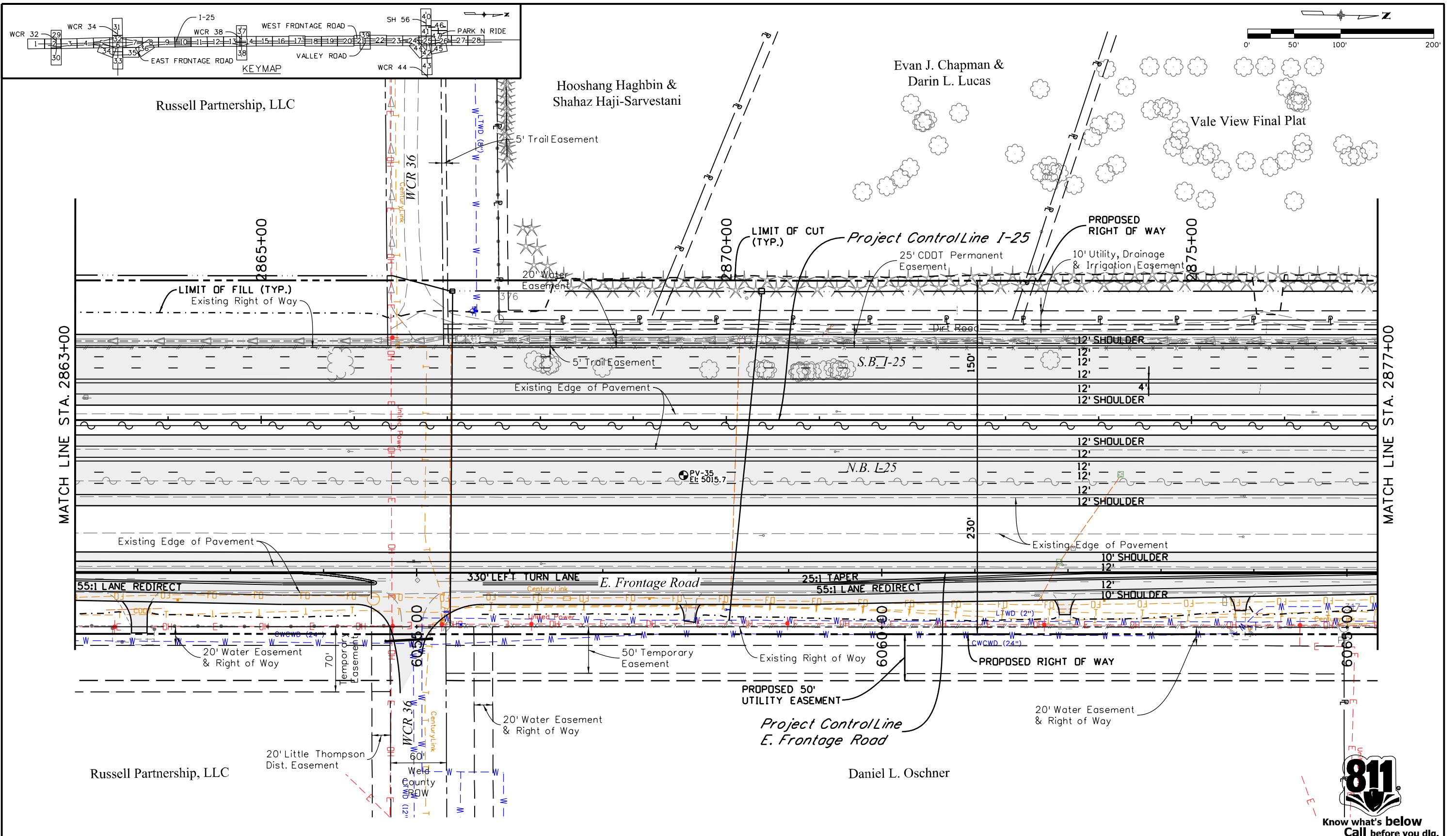
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STA. 2849+00 TO STA. 2863+00			
Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	9 of 47
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Project No./Code	IM 0253-220
Sheet Number	60

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Unit Information Unit Leader Initials
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Sheet Revisions	
Date:	Comments
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 Region 4 JFF

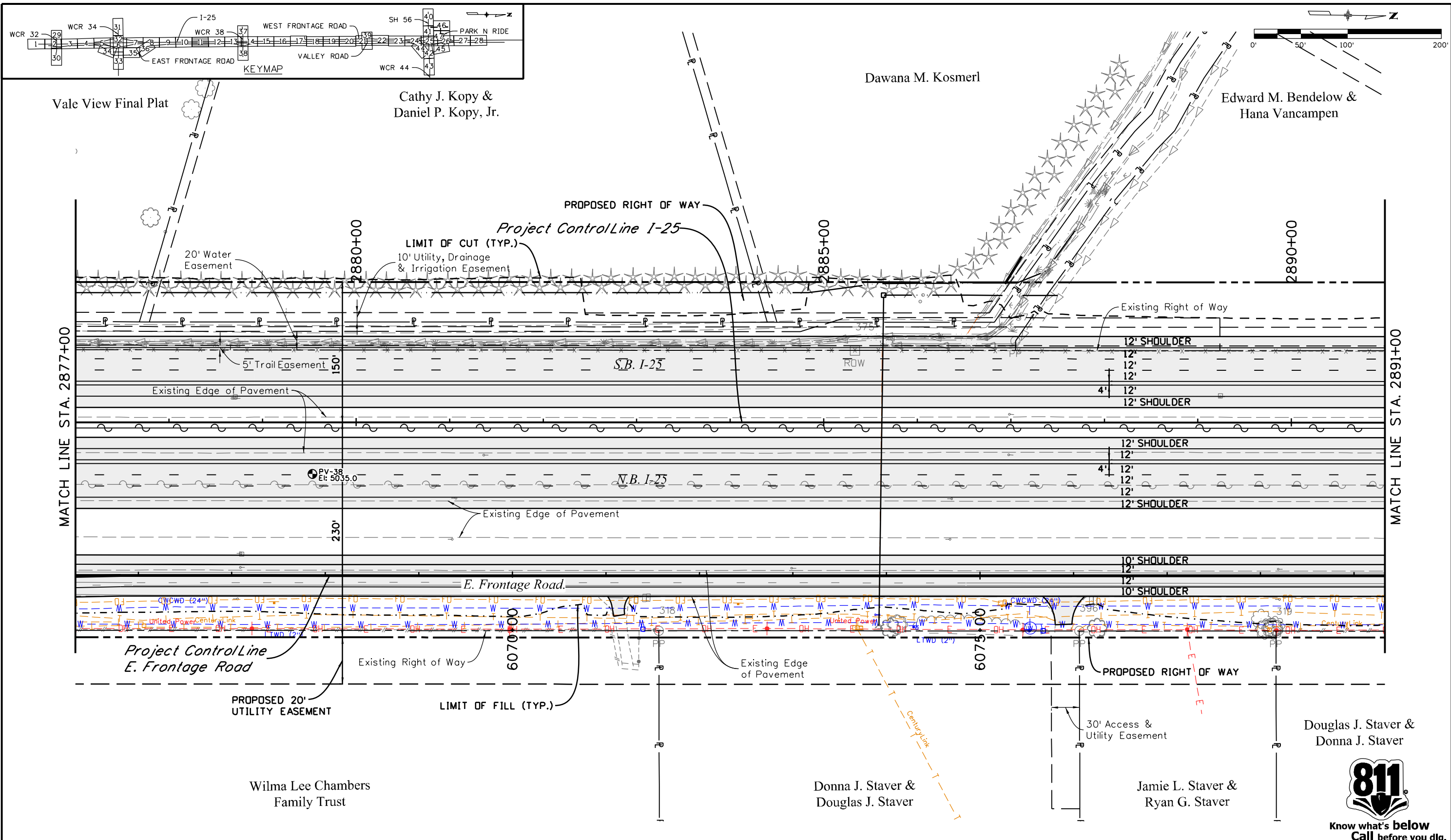
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Revised:
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STA. 2863+00 TO STA. 2877+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: ROADWAY	Subset Sheets: 10 of 47

Project No./Code
IM 0253-220
18319
Sheet Number 61



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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
0000	20% SUBMITTAL	

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Region 4 JFF

As Constructed	No Revisions:
Revised:	Void:

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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	11 of 47
Sheet Subset:	ROADWAY		

Project No./Code	IM 0253-220
Sheet Number	62



Douglas J. Staver & Donna J. Staver

Jamie L. Staver & Ryan G. Staver

Donna J. Staver & Douglas J. Staver

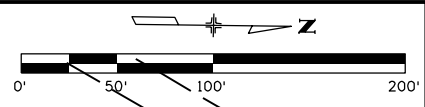
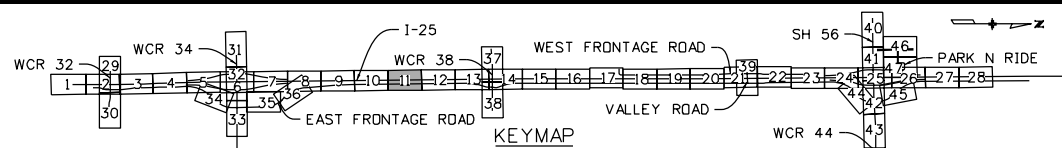
Wilma Lee Chambers Family Trust

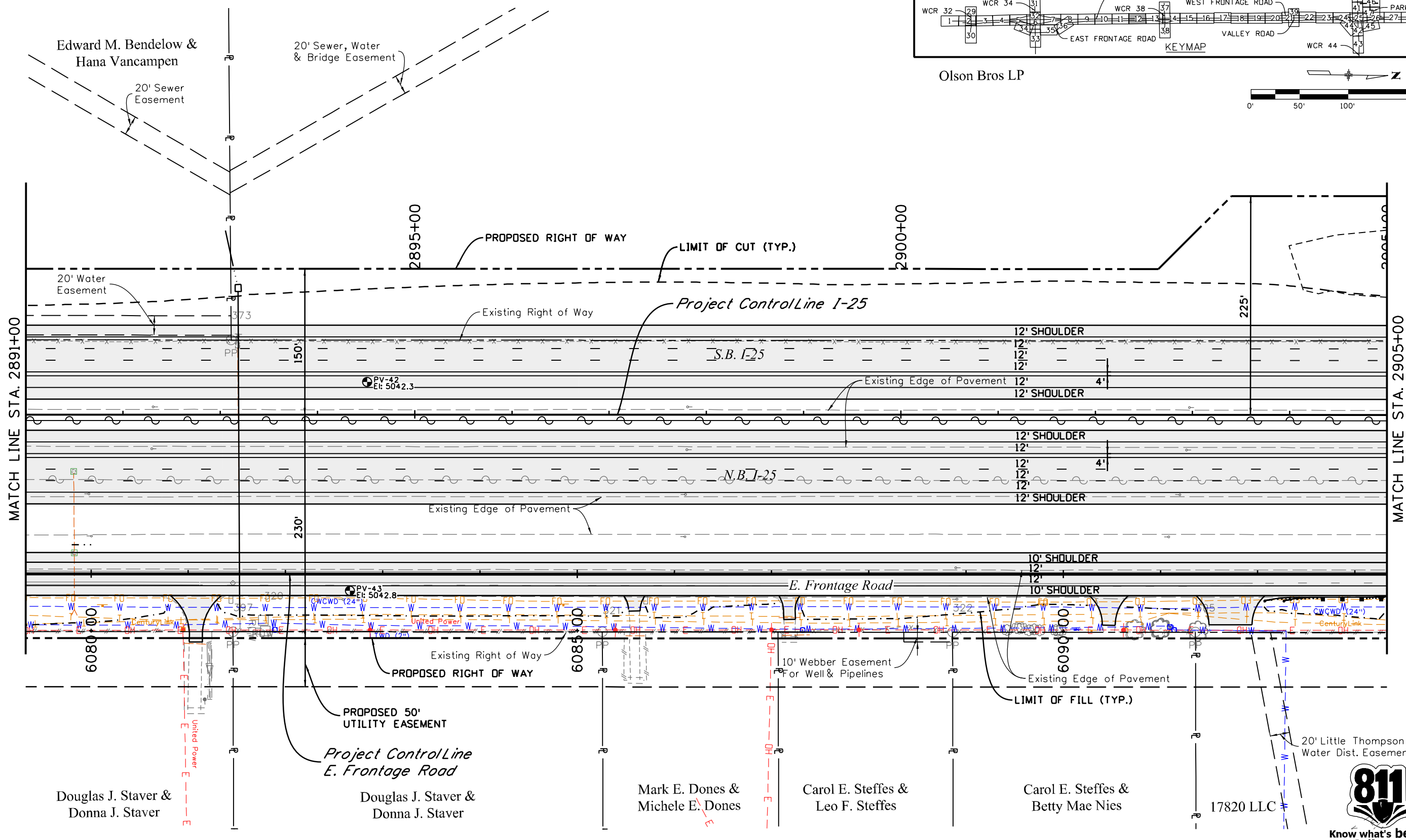
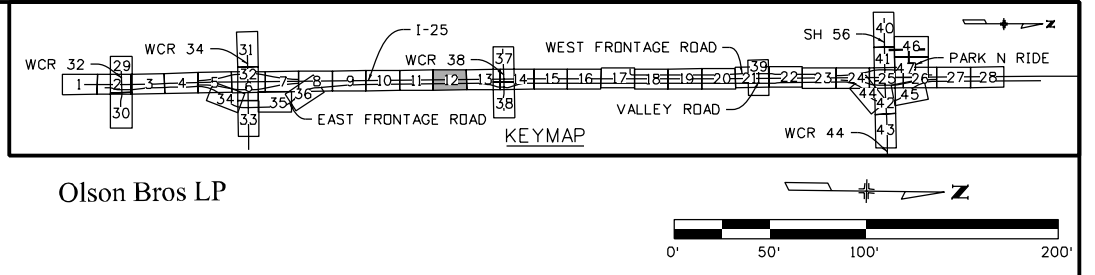
Edward M. Bendelow & Hana Vancampen

Dawana M. Kosmerl

Cathy J. Kopy & Daniel P. Kopy, Jr.

Vale View Final Plat





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MULLER CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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 Phone: 970-622-1268 FAX: 970-669-0289

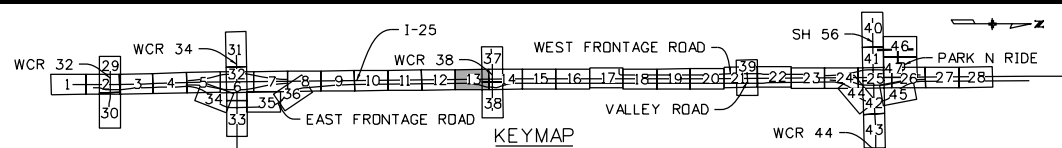
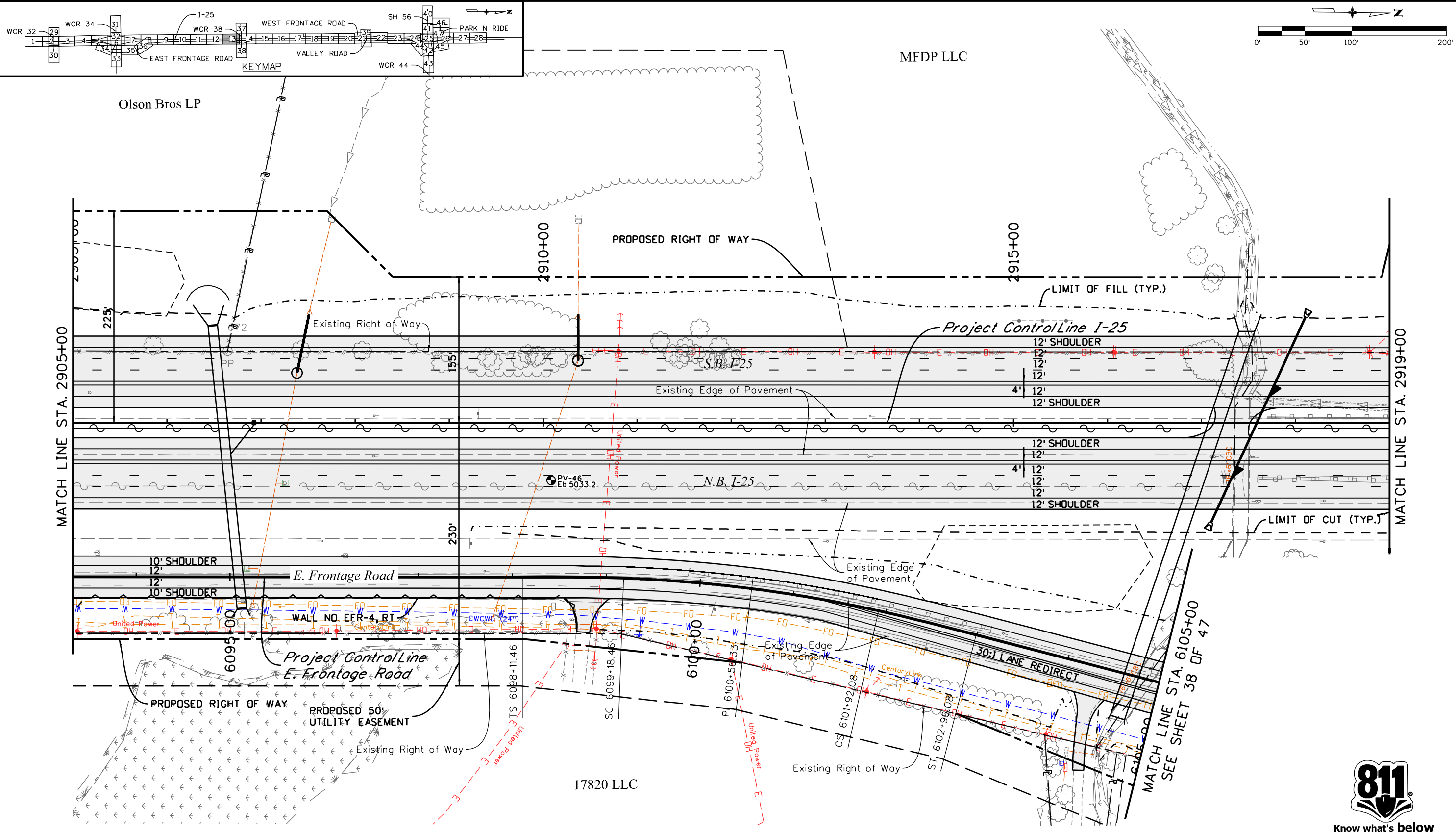
Region 4 JFF

As Constructed	No Revisions:
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Void:	

I-25 FROM N/O SH 66 TO N/O SH 56	
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STA. 2891+00 TO STA. 2905+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: ROADWAY	Subset Sheets: 12 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	63





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Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

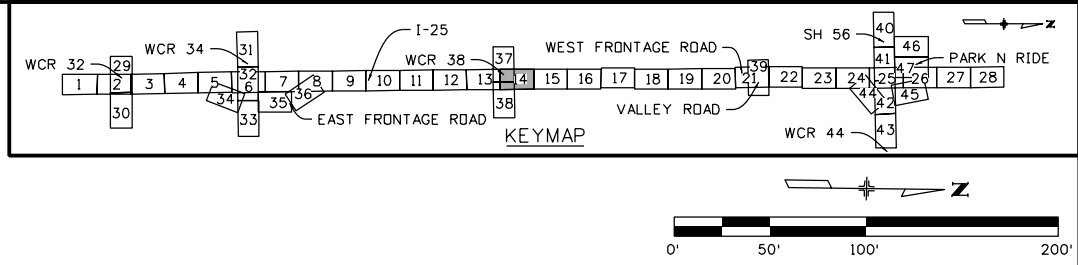
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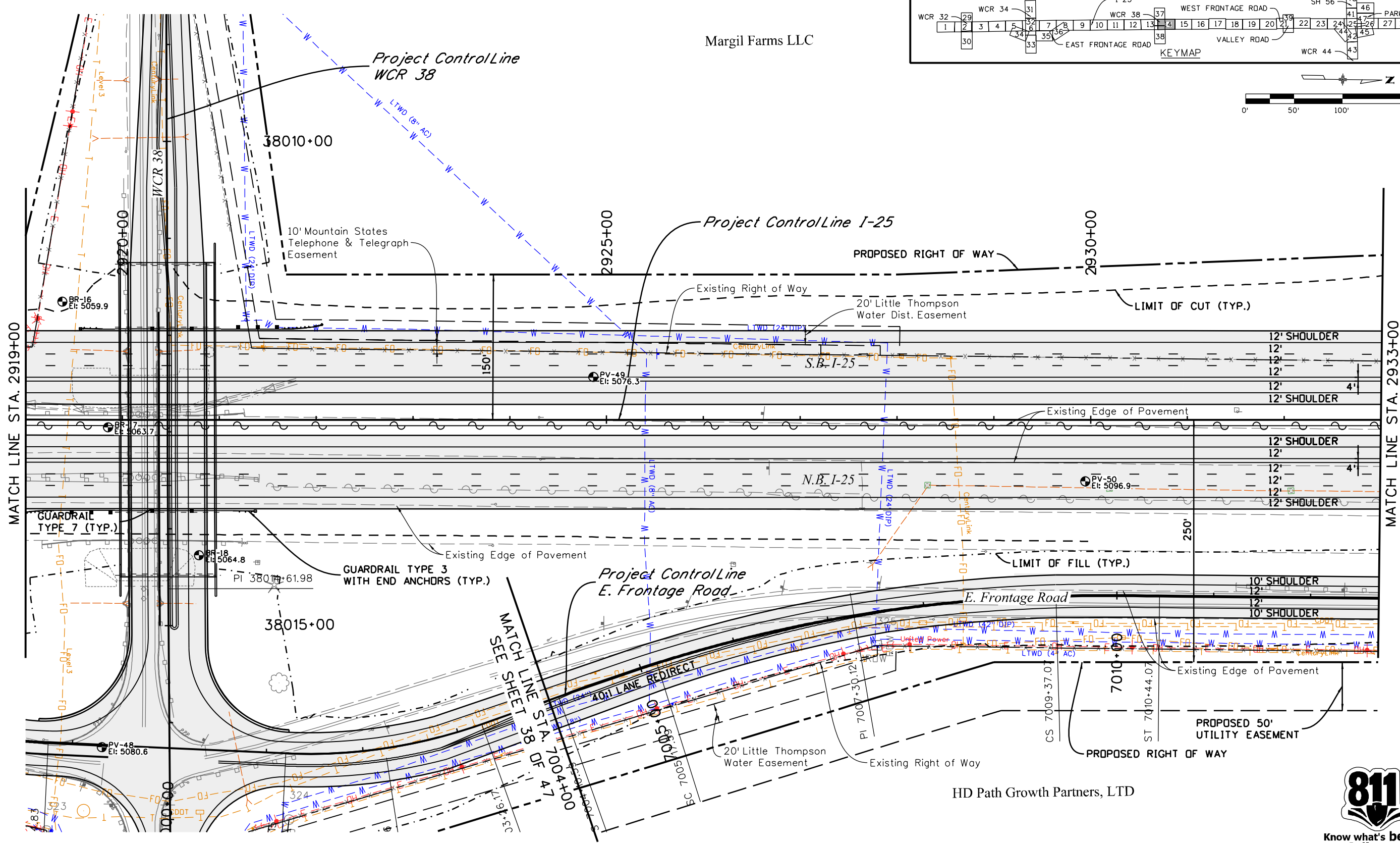
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Margil Farms LLC



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Colorado Department of Transportation



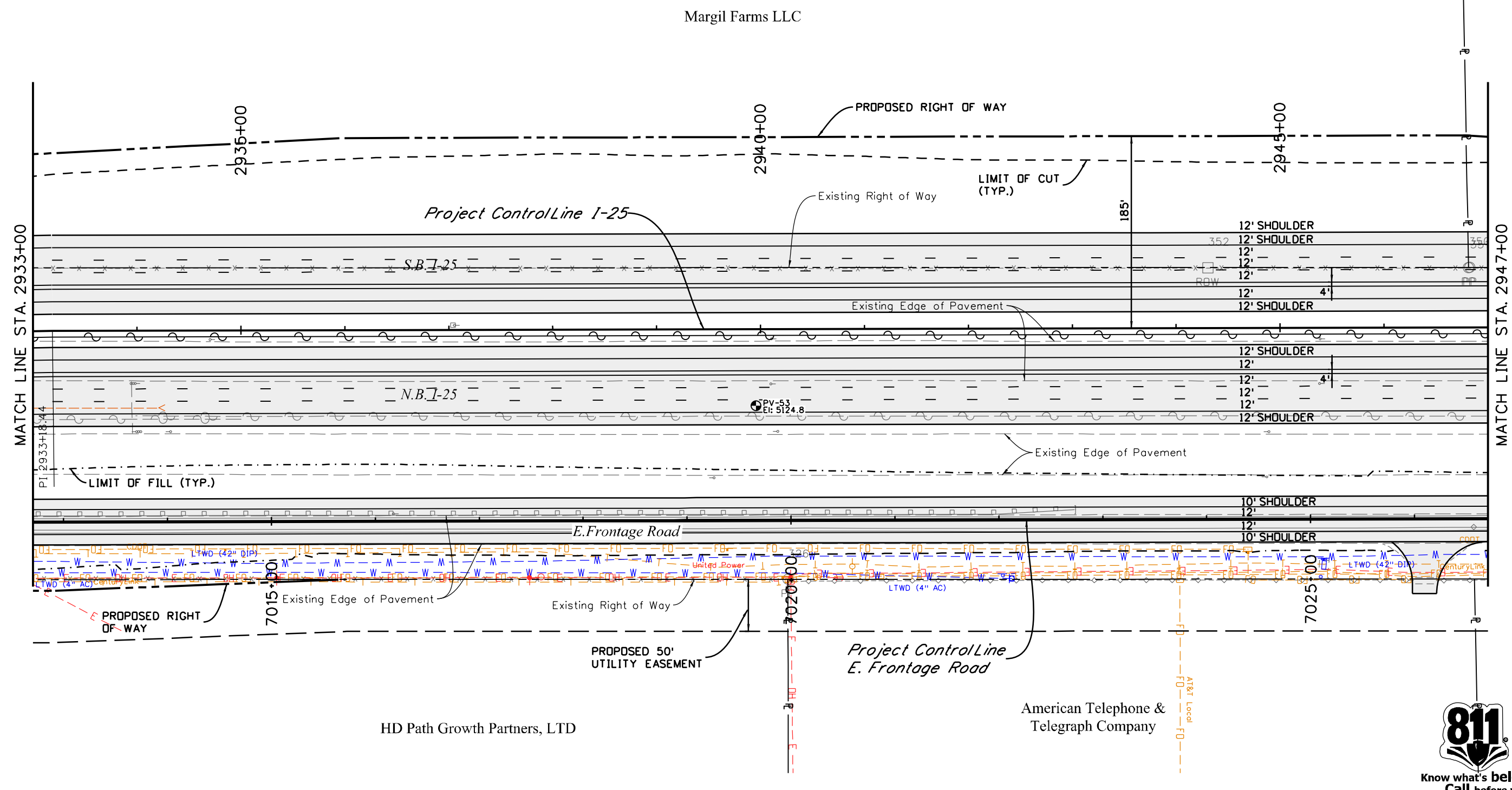
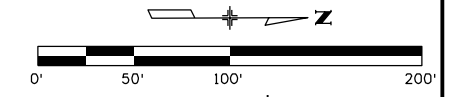
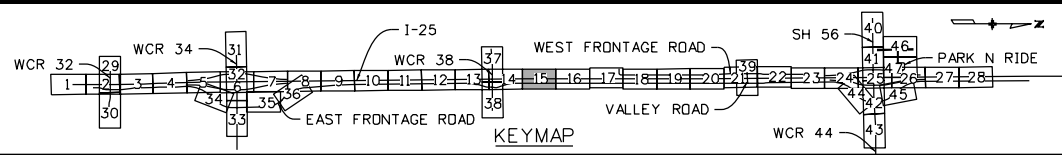
2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Sheet Subset:	ROADWAY
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Project No./Code	IM 0253-220
Sheet Number	65



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Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation



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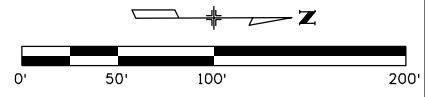
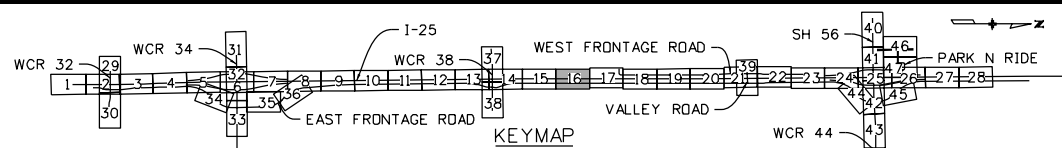
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STA. 2933+00 TO STA. 2947+00			
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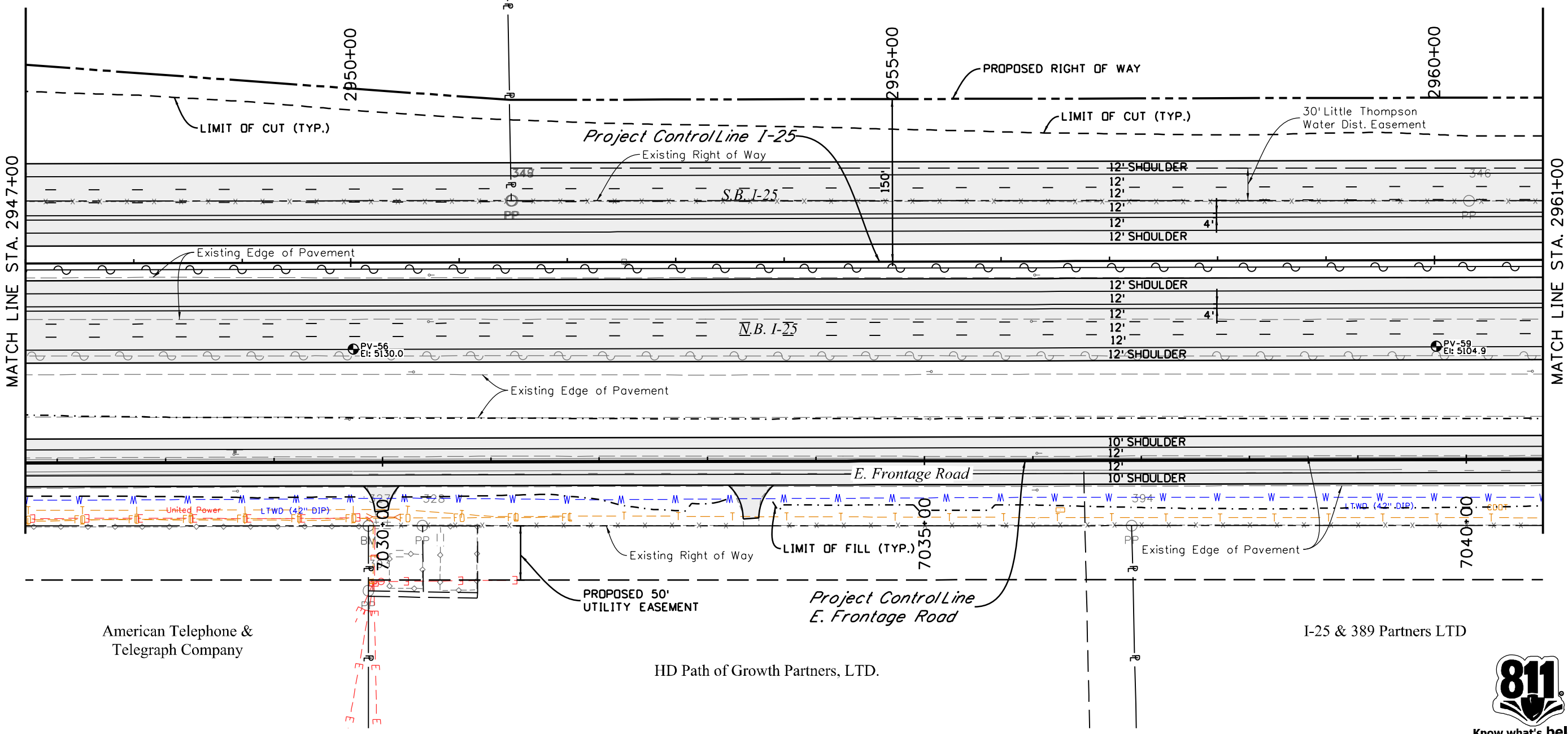
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	18319
Sheet Number	66





William Coyle A.K.A
Robert William Coyle

Little Thompson Water District



American Telephone &
Telegraph Company

HD Path of Growth Partners, LTD.

I-25 & 389 Partners LTD



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Sheet Revisions		
Date:	Comments	Init.
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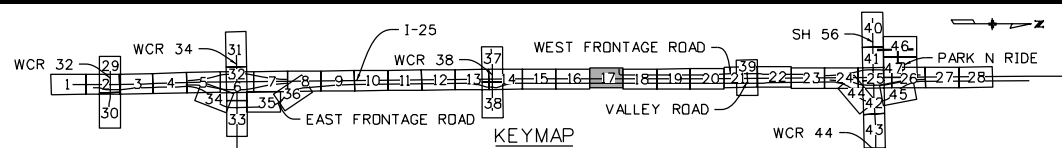
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 Loveland, CO 80537
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Region 4 JFF

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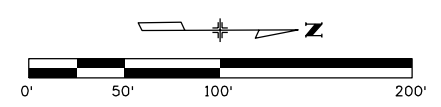
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	16 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	67



William Coyle A.K.A
Robert William Coyle

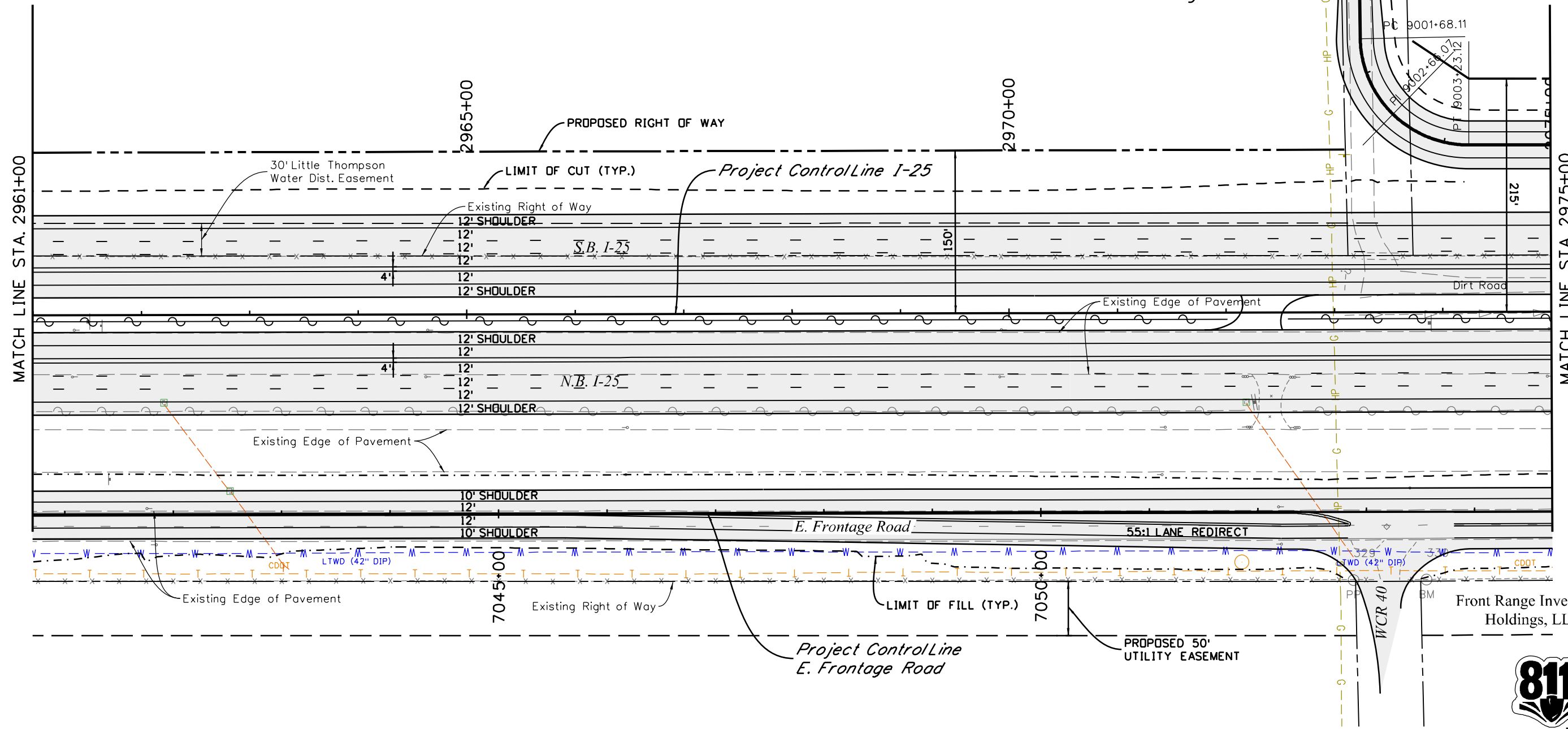
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STA. 9000+00.00



POB 9000+00.00
9000+00

Anadarko E. & P.
Company, LP.

Project Control Line
W. Frontage Road



MATCH LINE STA. 2961+00

MATCH LINE STA. 2975+00

Front Range Investment
Holdings, LLC



I-25 & 389 Partnera LTD.

leah 11:20:38 AM P:\12-003.01 I-25 SH 66 to SH 56 - CDOT R-4\18319\Ultimate\Design\Drawings\18319DES_125-Plan17.dgn
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MULLER MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
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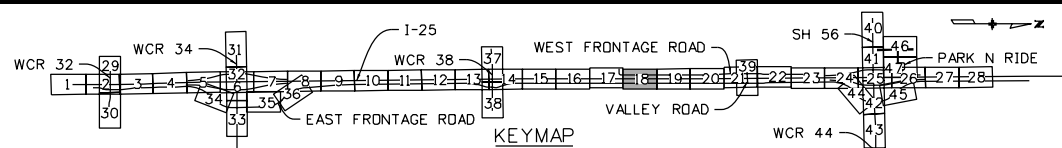
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Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

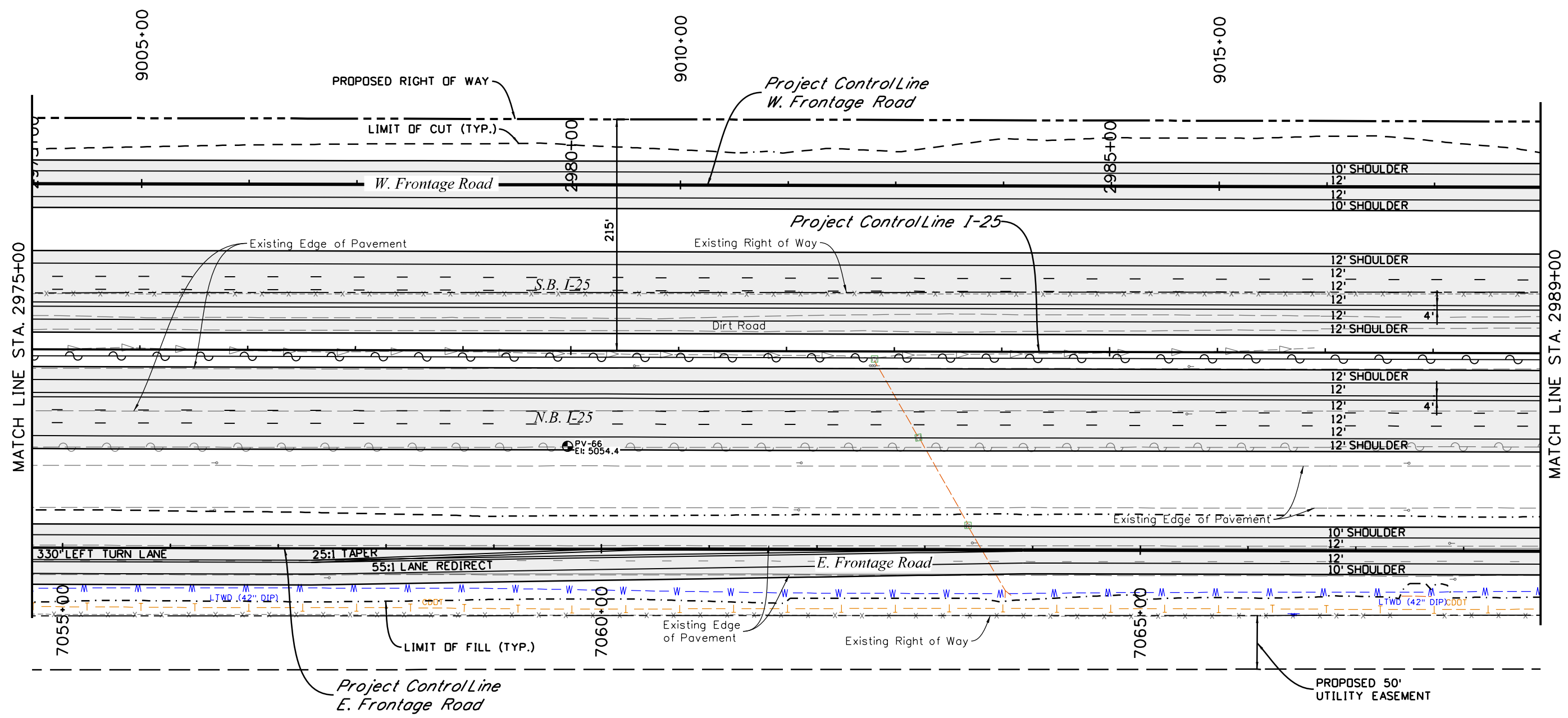
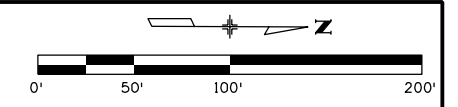
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	17 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	68



Anadarko E. & P.
Company, LP.



Front Range Investment
Holdings, LLC



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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
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2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

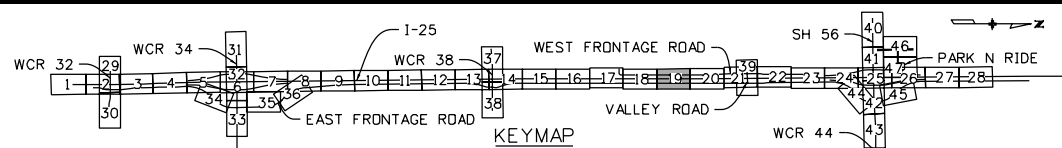
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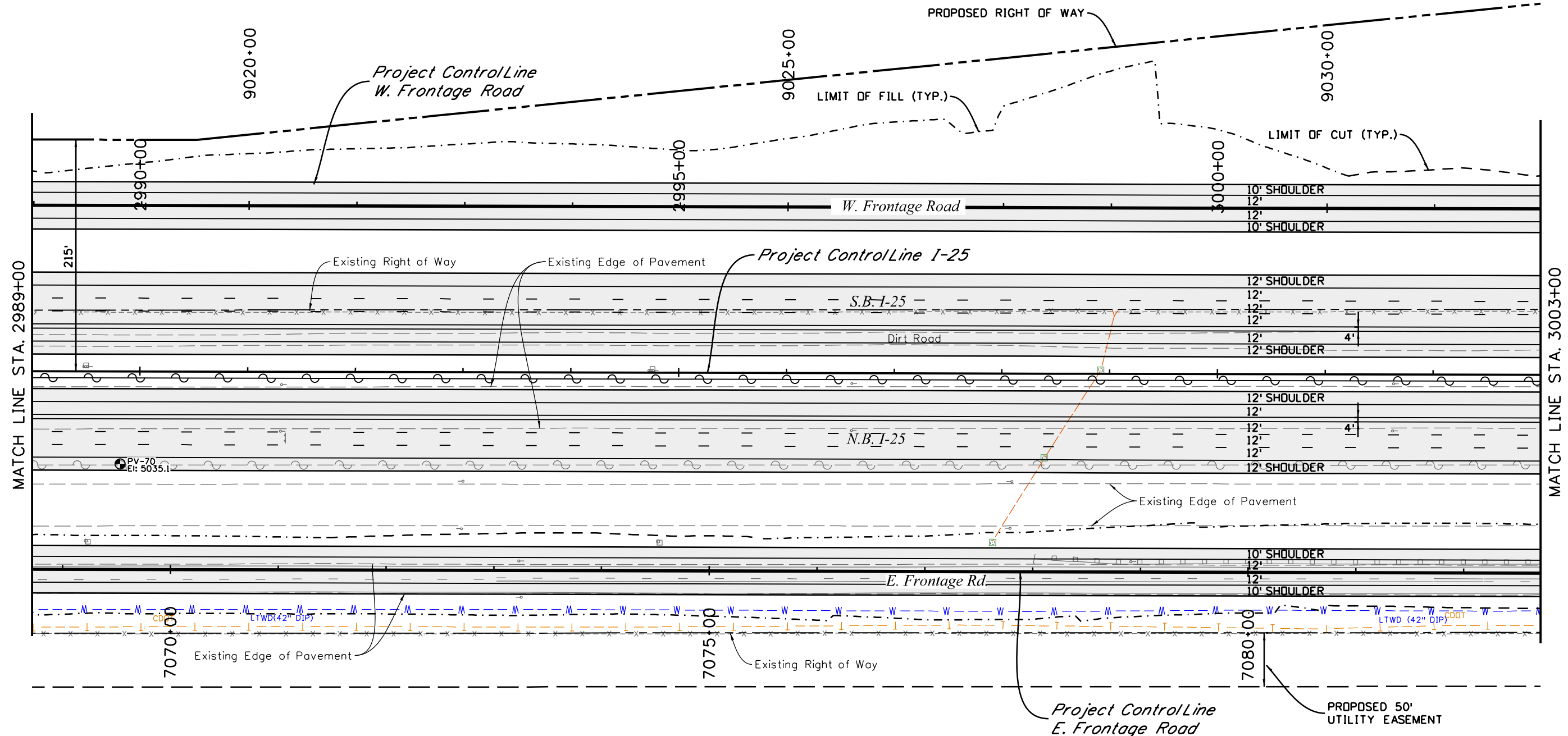
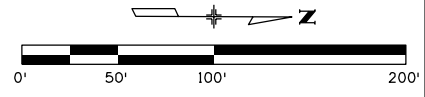
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Detailer:	MAW	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	18 of 47

Project No./Code
IM 0253-220
18319
Sheet Number 69

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Company, LP.



Front Range Investment
Holdings, LLC



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Sheet Revisions		
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Colorado Department of Transportation



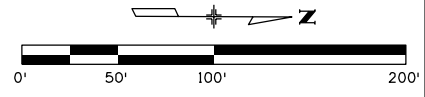
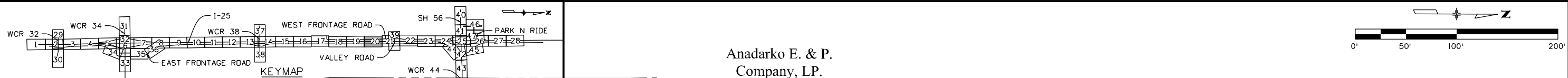
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Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

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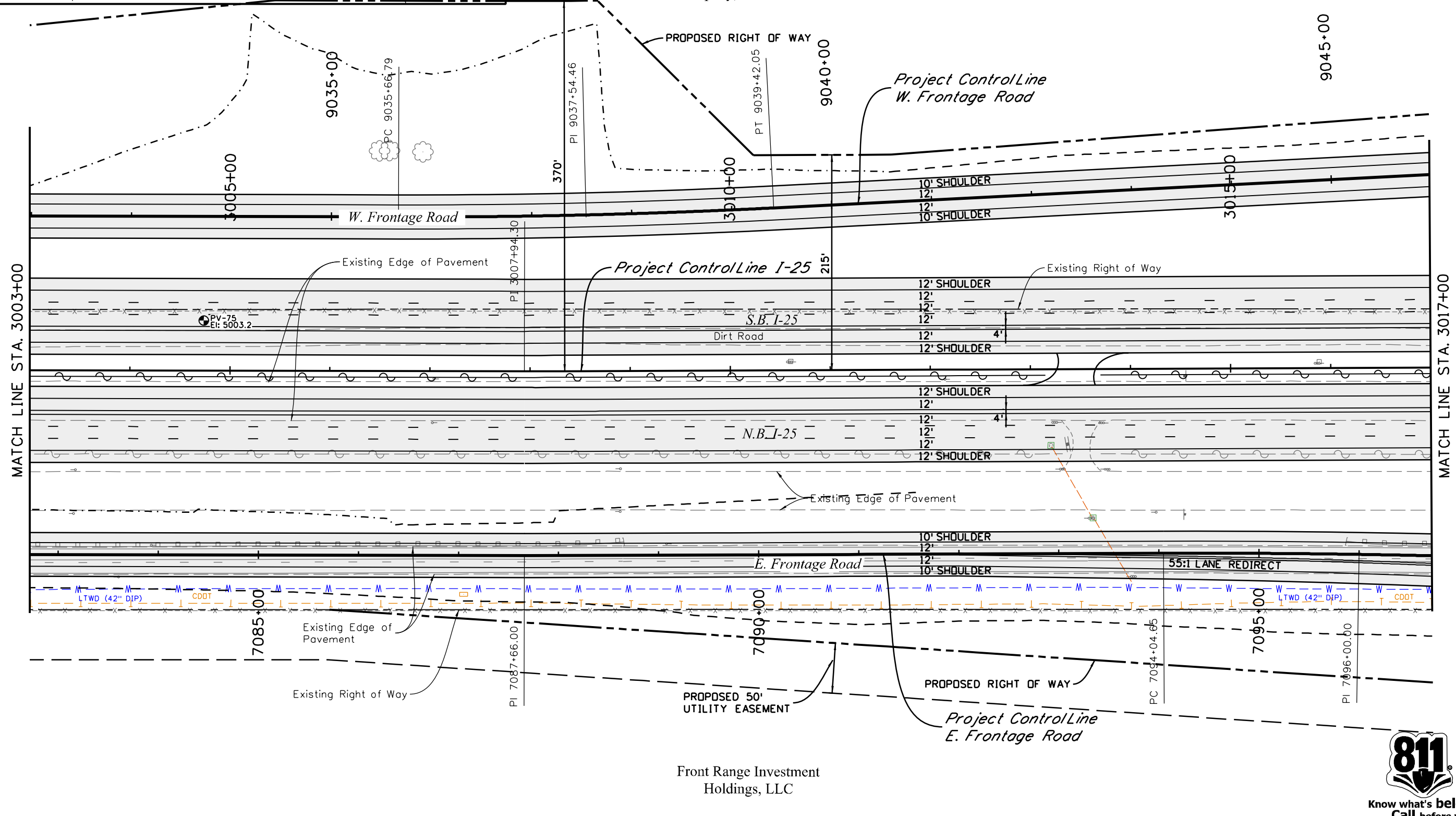
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Detailer:	MAW	Subset Sheets:	19 of 47
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Project No./Code	IM 0253-220
Sheet Number	70



Anadarko E. & P.
Company, LP.



Front Range Investment
Holdings, LLC



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Sheet Revisions		
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Colorado Department of Transportation

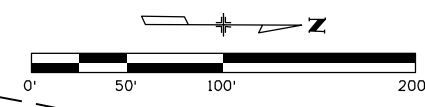
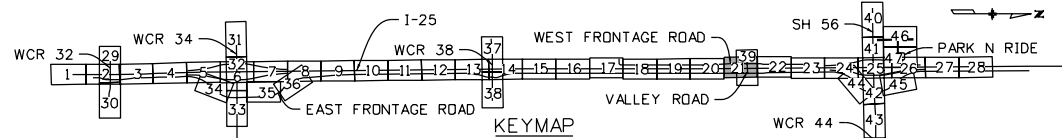
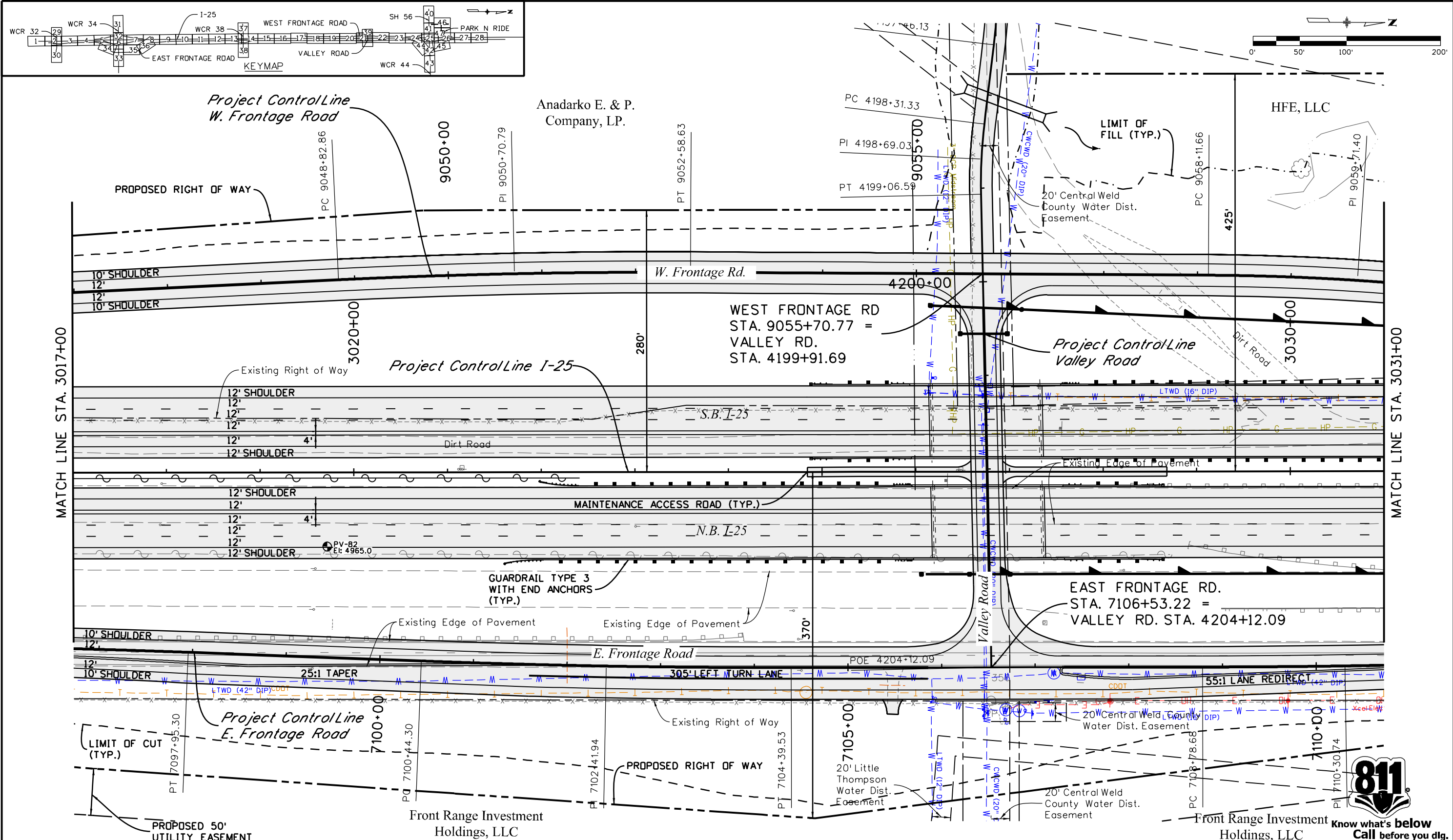
2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed	No Revisions:
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code	IM 0253-220
Sheet Number	71



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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd., #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed
No Revisions:
Revised:
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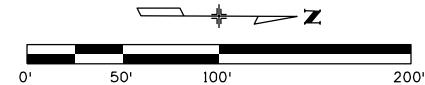
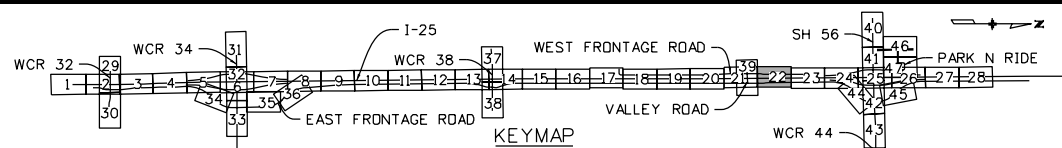
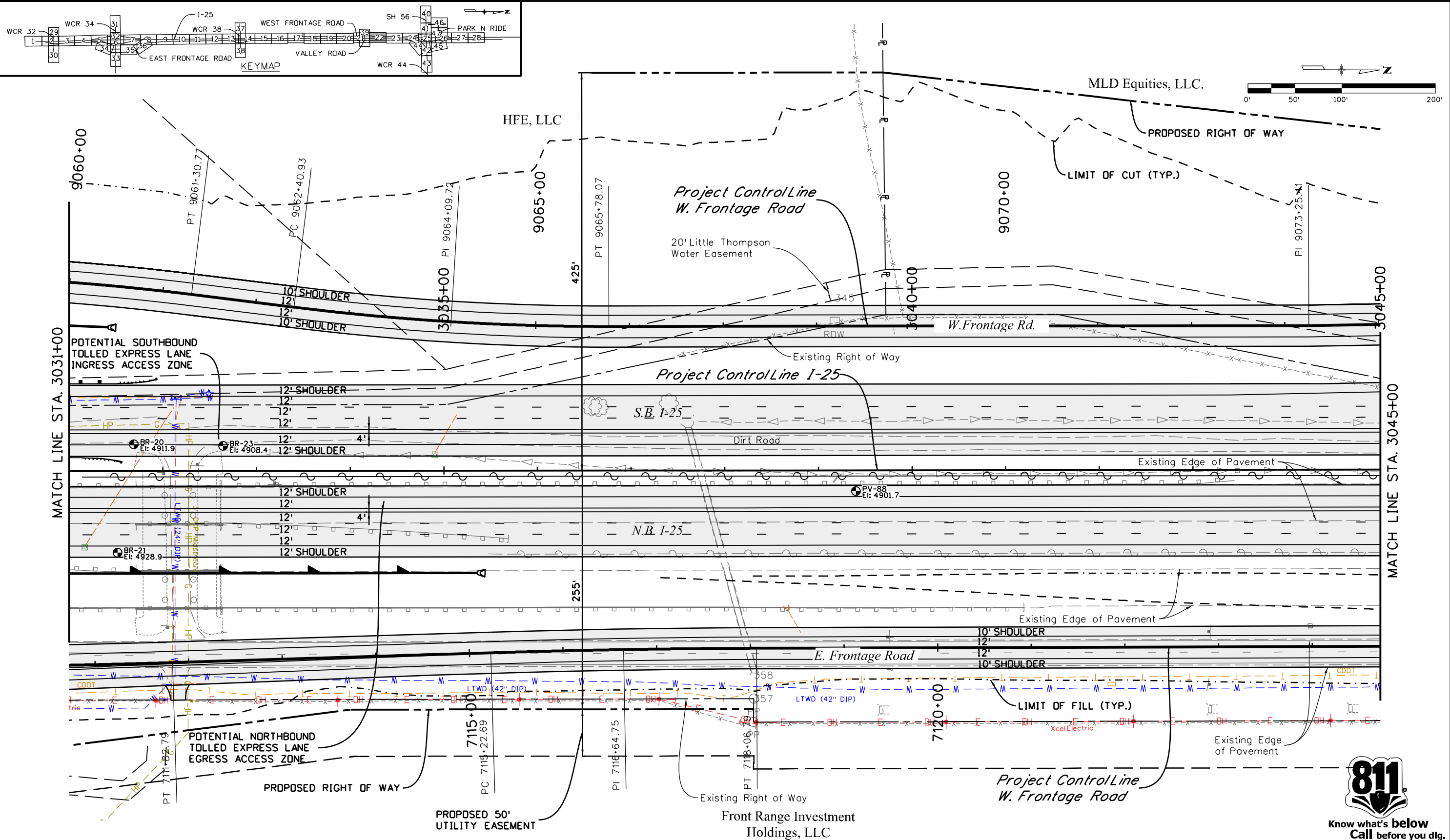
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STA. 3017+00 TO STA. 3031+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
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Project No./Code	IM 0253-220
Sheet Number	72

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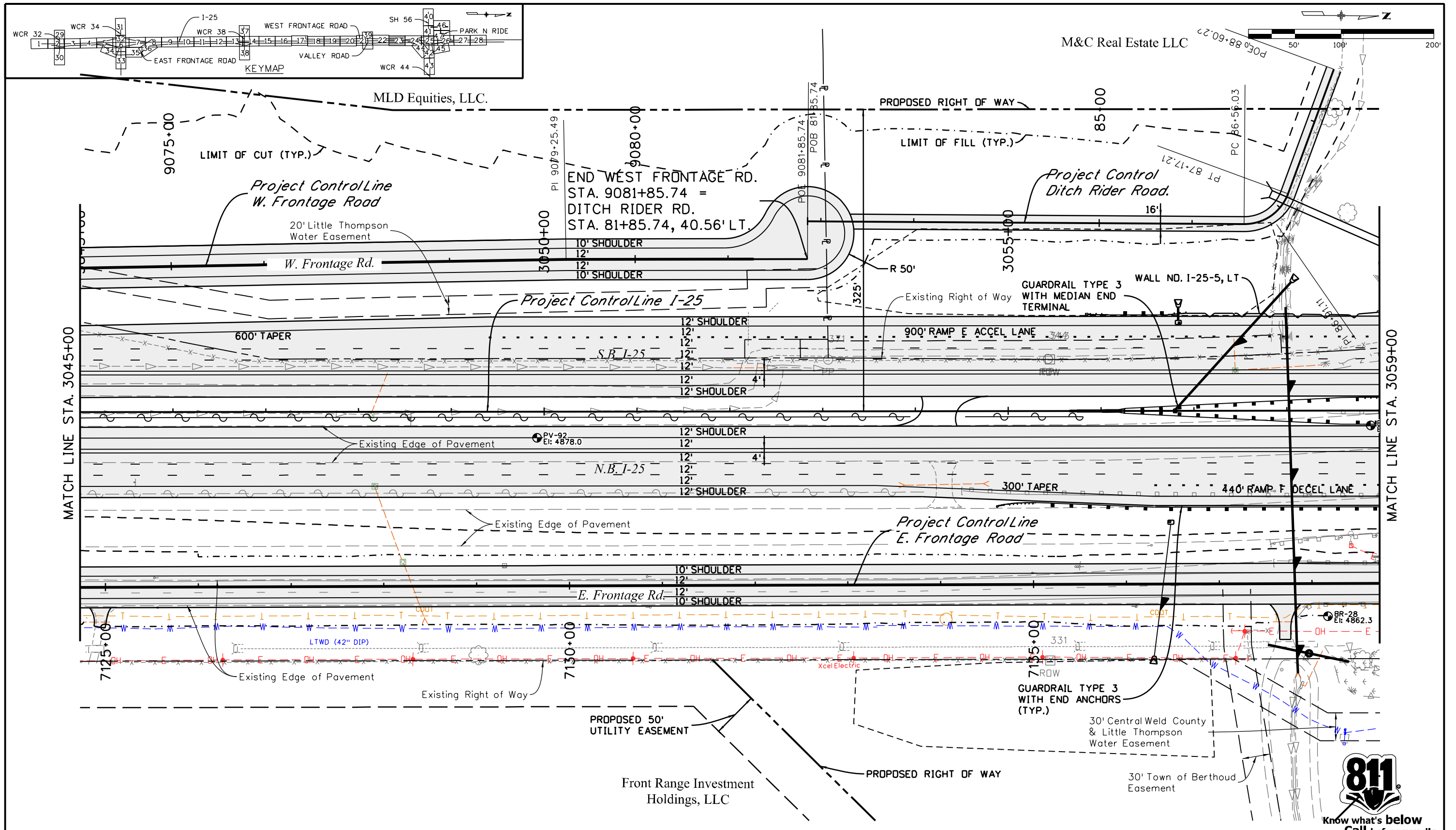
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Horiz. Scale: 1:100 Vert. Scale: As Noted		20% SUBMITTAL		Region 4 JFF		Revised:		STA. 3031+00 TO STA. 3045+00		18319	
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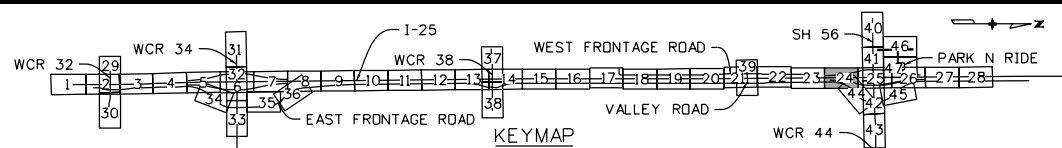
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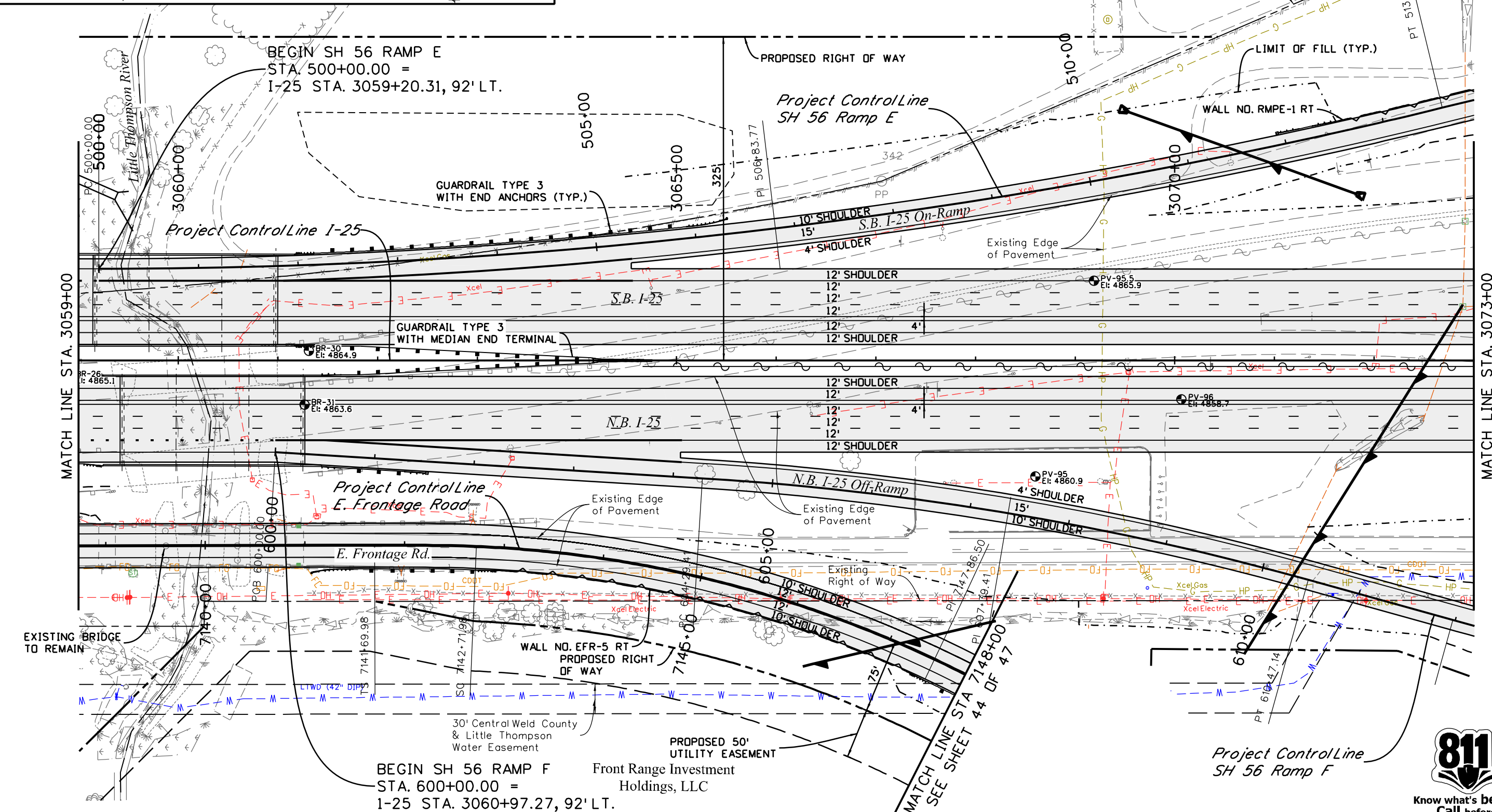
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Horiz. Scale: 1:100		Unit Information		Region 4		Revised:		STA. 3045+00 TO STA. 3059+00		18319	
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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939		MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939		Region 4		Void:		Detailer: MAW		Sheet Number 74	
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M&C Real Estate LLC



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Sheet Revisions		
Date:	Comments	Init.
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2207 East Highway 402
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 Phone: 970-622-1268 FAX: 970-669-0289

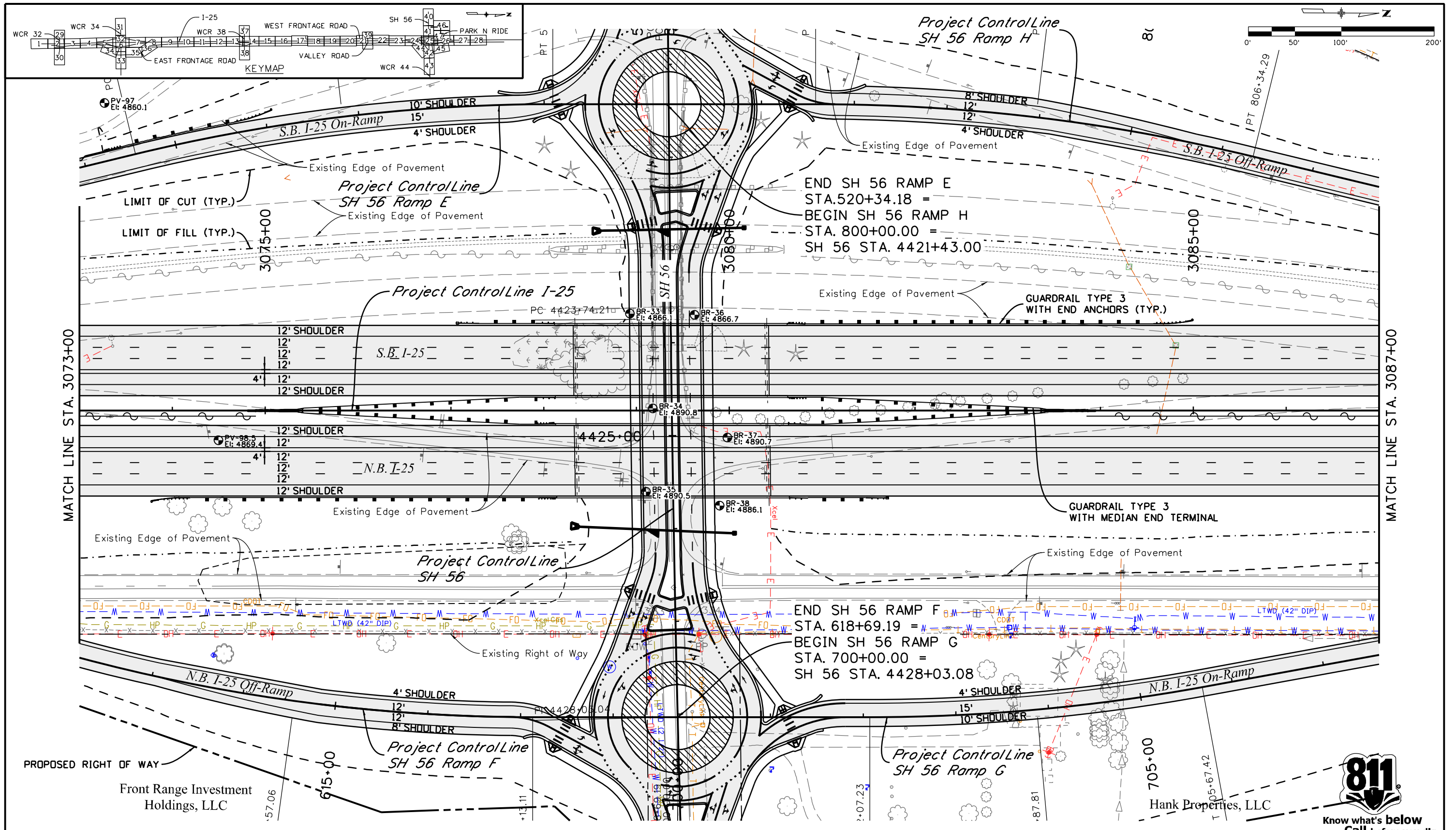
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As Constructed	No Revisions:
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Detailer:	MAW	Subset Sheets:	24 of 47
Sheet Subset:	ROADWAY		

Project No./Code	IM 0253-220
Sheet Number	75

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 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
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 777 S. Wadsworth Blvd., #4-100
 Lakewood, CO 80226
 303-988-4939

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2207 East Highway 402
 Loveland, CO 80537
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JFF

As Constructed

No Revisions:
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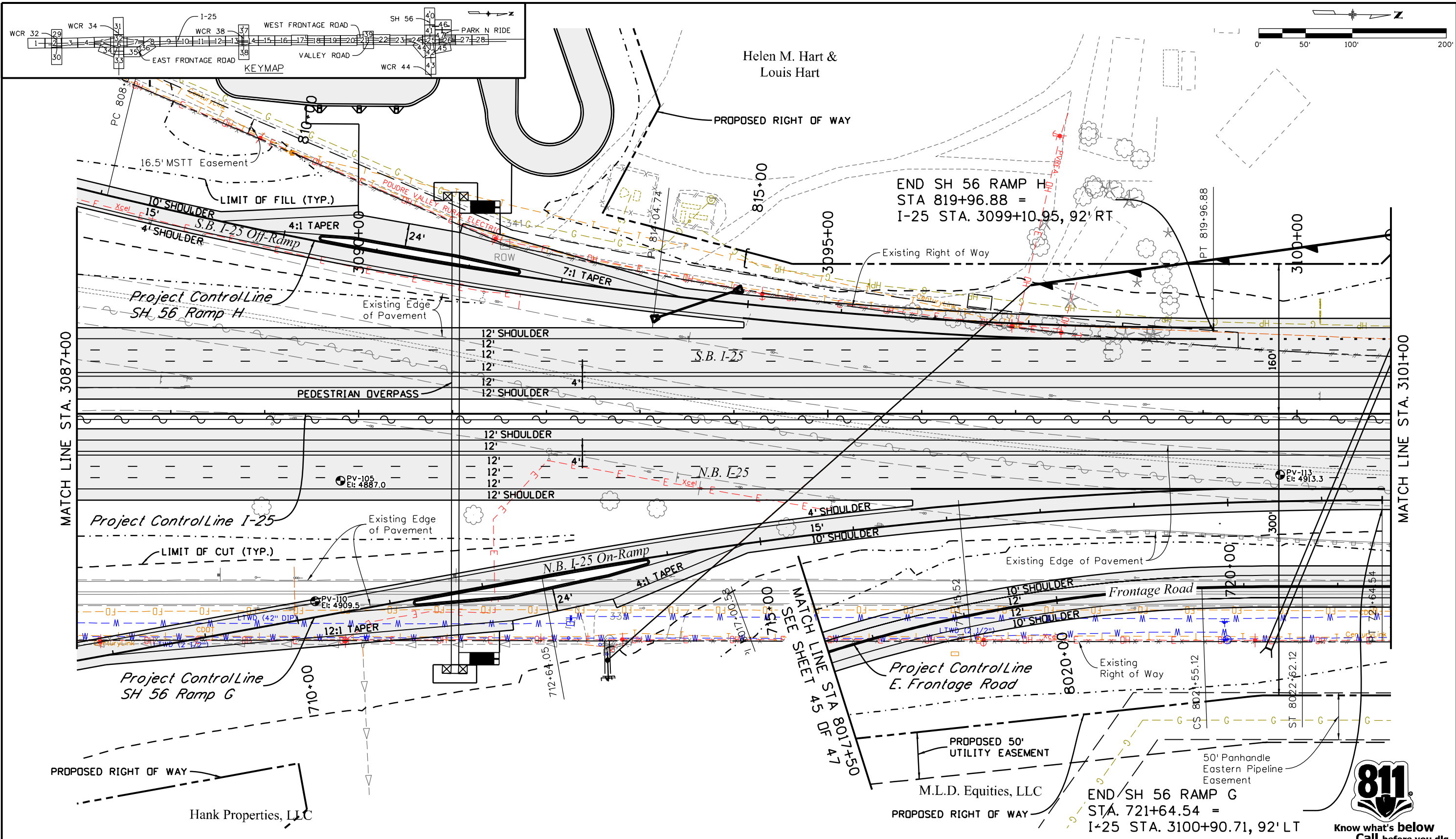
I-25 FROM N/O SH 66 TO N/O SH 56
 I-25 ROADWAY PLAN
 STA. 3073+00 TO STA. 3087+00

Designer: RKZ
 Detailer: MAW

Structure Numbers
 Sheet Subset: ROADWAY Subset Sheets: 25 of 47

Project No./Code
 IM 0253-220
 18319
 Sheet Number 76





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Date:	Comments	Init.
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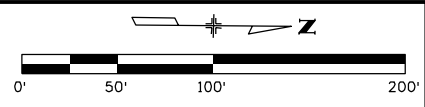
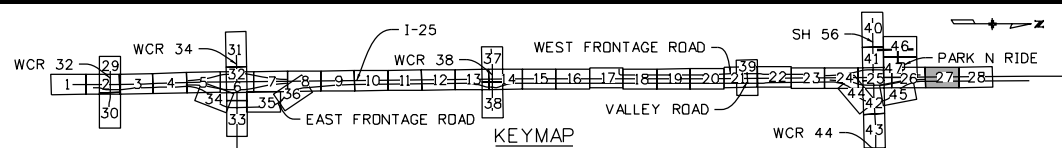
 Region 4
 2207 East Highway 402
 Loveland, CO 80537
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 JFF

As Constructed
 No Revisions:
 Revised:
 Void:

I-25 FROM N/O SH 66 TO N/O SH 56
I-25 ROADWAY PLAN
 STA. 3087+00 TO STA. 3101+00
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 Detailer: MAW
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 Subset Sheets: 26 of 47

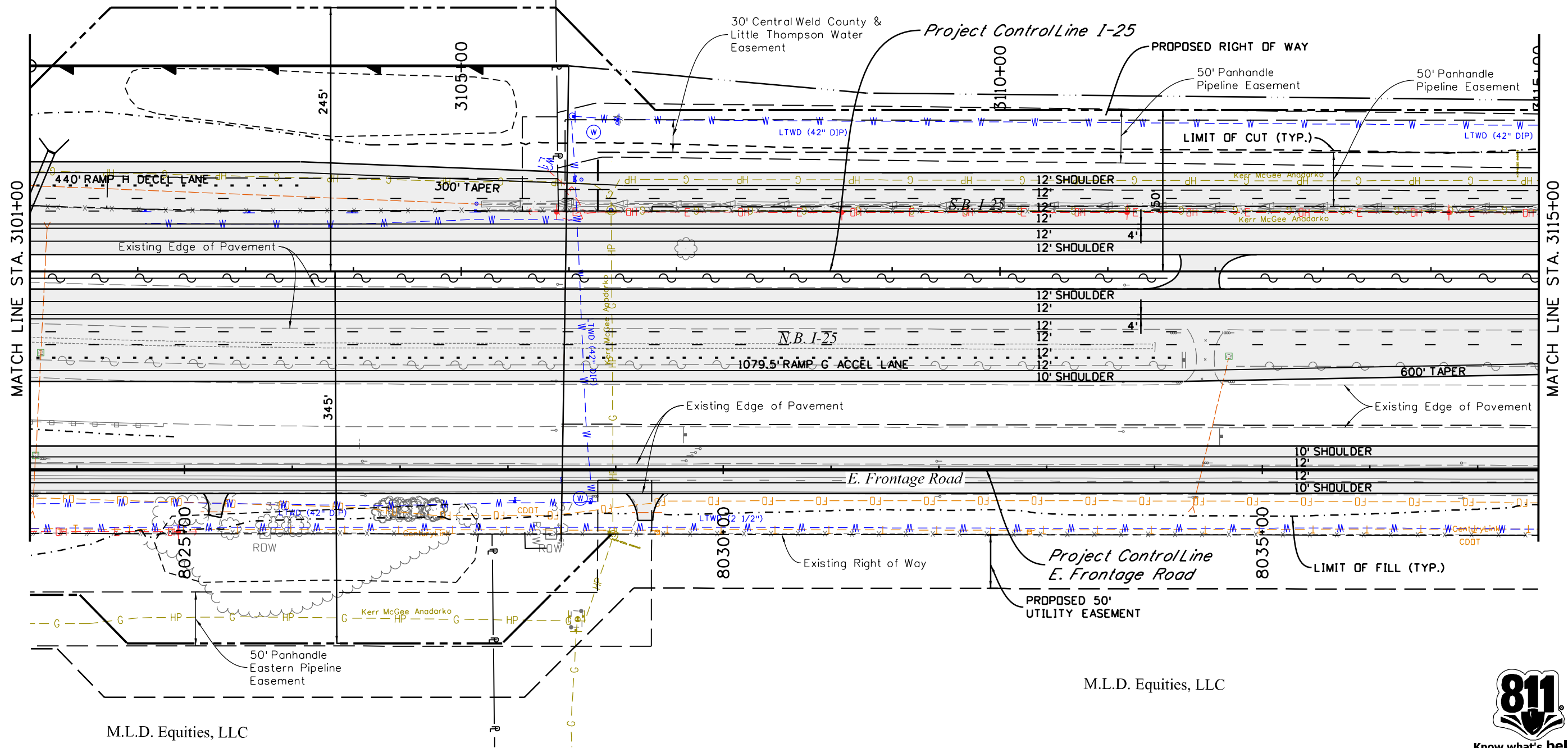
Project No./Code
 IM 0253-220
 18319
 Sheet Number **77**





Vickilee Einhellig &
David P. Lamb &
William G. Markham

Helen M. Hart &
Louis Hart



M.L.D. Equities, LLC

M.L.D. Equities, LLC



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Sheet Revisions		
Date:	Comments	Init.
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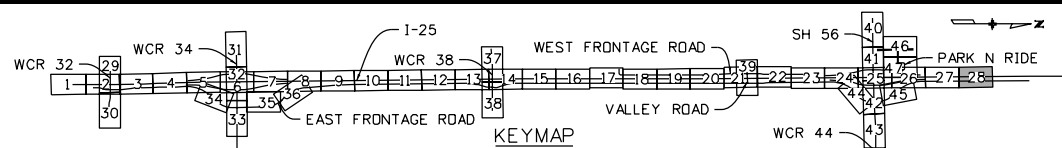
2207 East Highway 402
Loveland, CO 80537
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Region 4 JFF

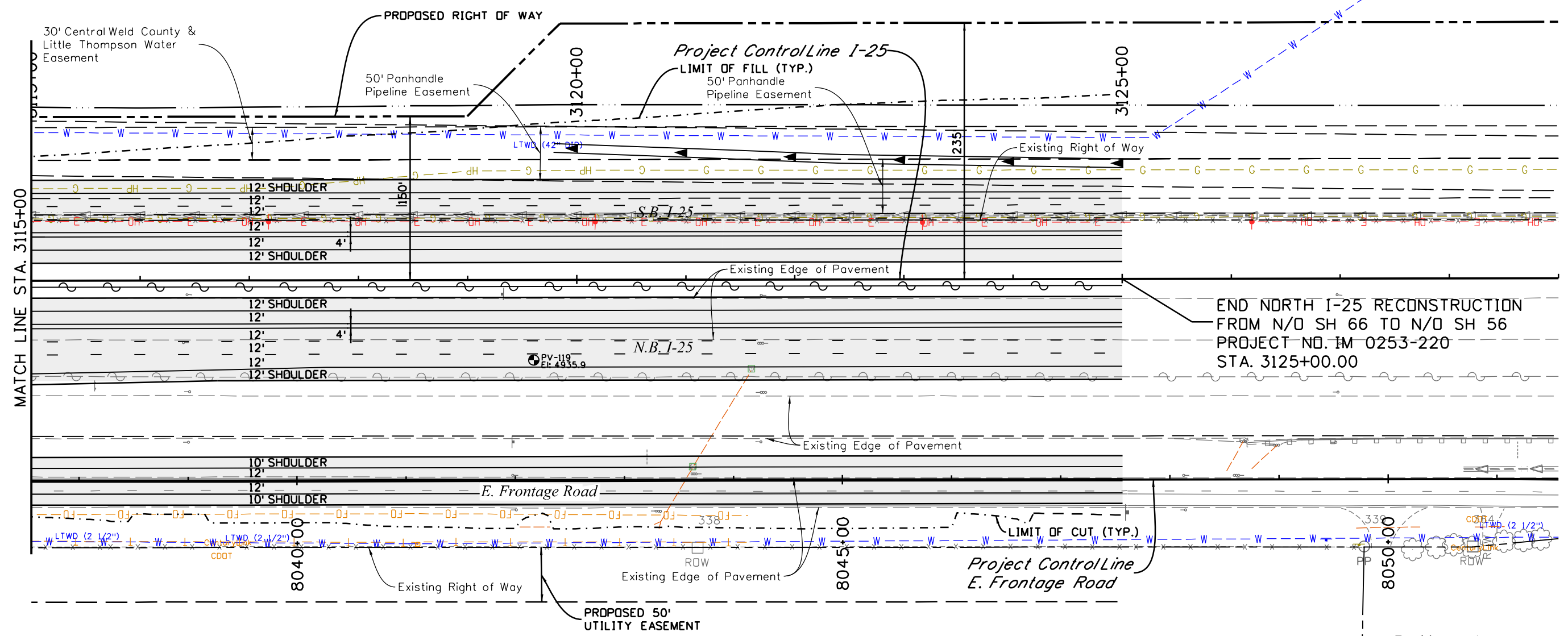
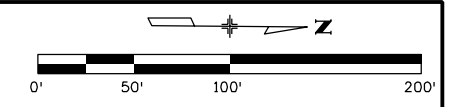
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	27 of 47
Sheet Subset:	ROADWAY		

Project No./Code	IM 0253-220
Sheet Number	78



Vickilee Einhellig &
David P. Lamb &
William G. Markham



END NORTH I-25 RECONSTRUCTION
FROM N/O SH 66 TO N/O SH 56
PROJECT NO. IM 0253-220
STA. 3125+00.00

Becki M. Schwader &
Kurt W. Schwader

M.L.D. Equities, LLC



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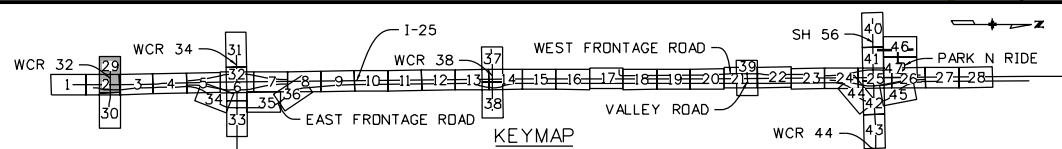
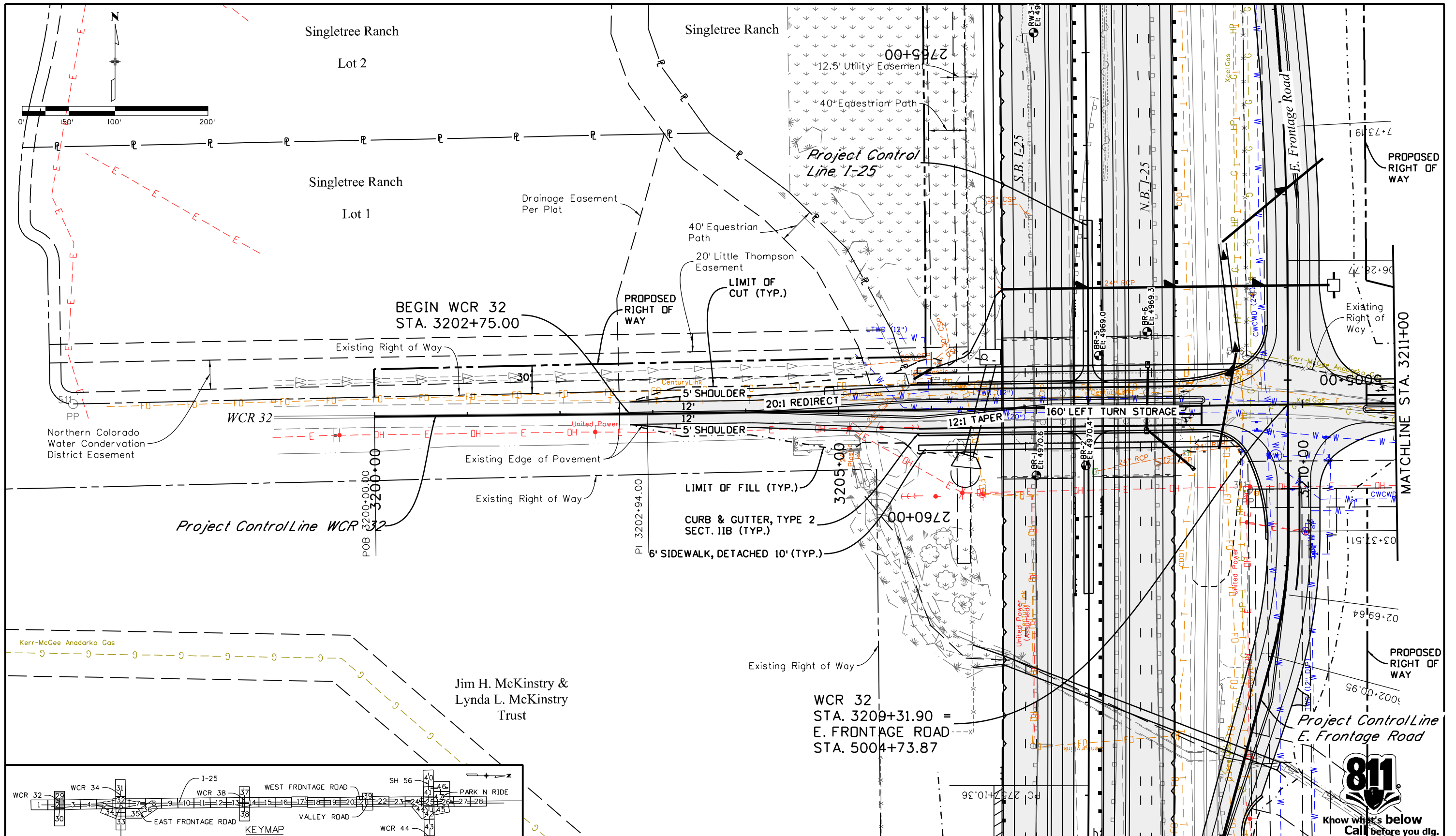
Region 4 JFF

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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code	IM 0253-220
	18319
Sheet Number	79

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Unit Information Unit Leader Initials
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Date:	Comments

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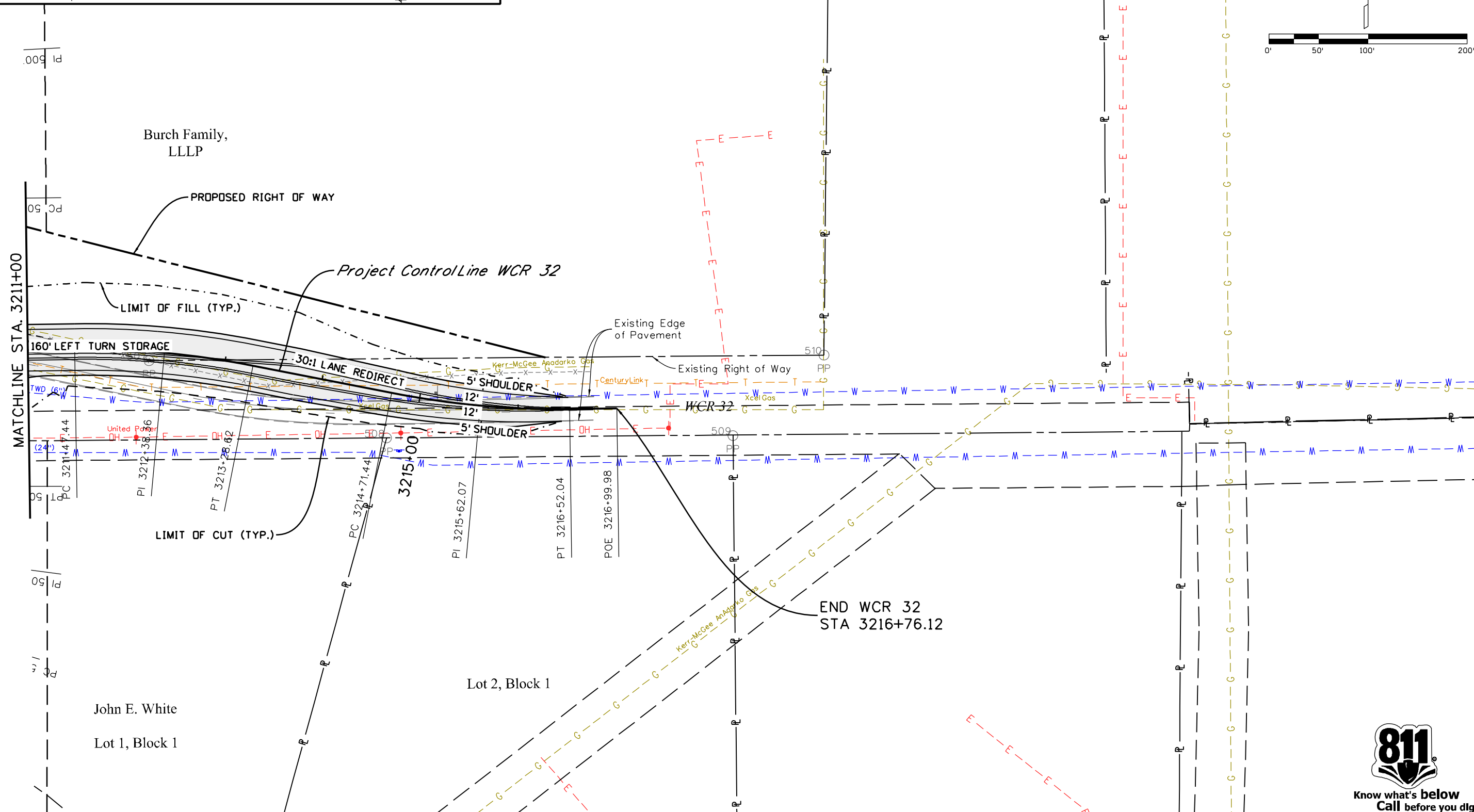
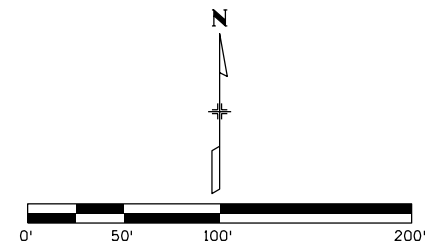
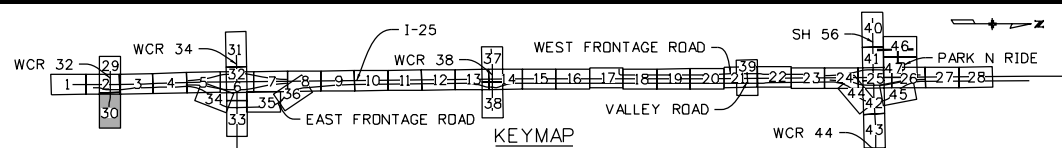
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STA. 3200+75 TO STA. 3211+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: ROADWAY	Subset Sheets: 29 of 47

Project No./Code
IM 0253-220
18319
Sheet Number 80

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MULLER CONSULTING ENGINEERS 777 S. Wadsworth Blvd. Lakewood, CO 80226 303-988-4939	0000

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As Constructed	No Revisions:
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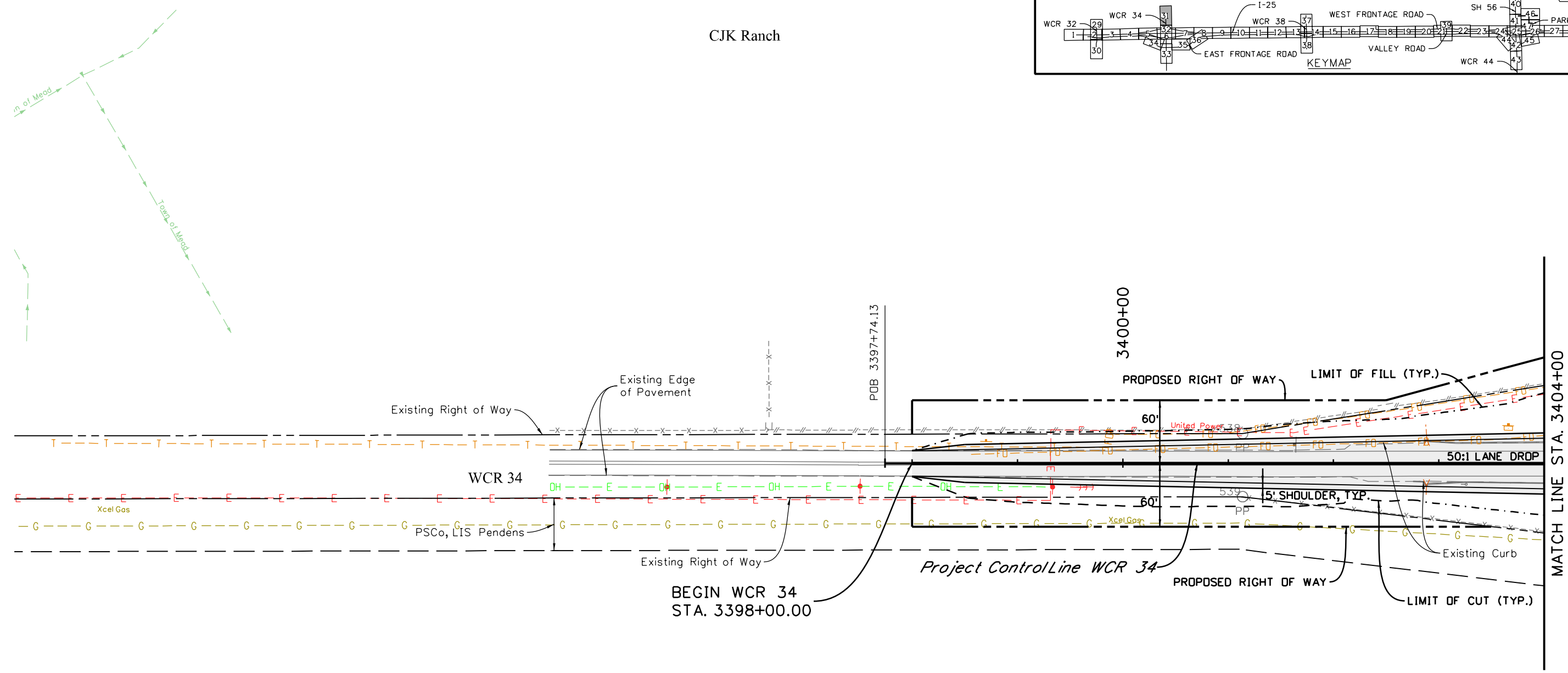
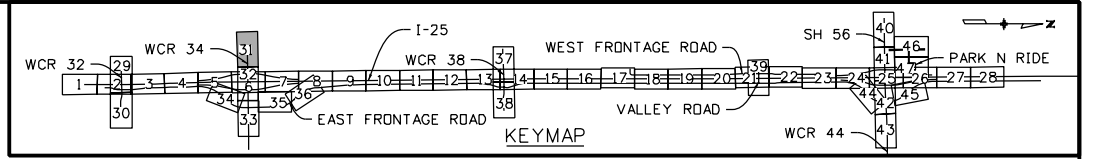
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STA. 3211+00 TO STA. 3216+76.12			
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Detailer:	MAW	Subset Sheets:	30 of 47
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Project No./Code	IM 0253-220
Sheet Number	81



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CJK Ranch



Rocky Mountain Assets
Investment, LLC



Print Date: 3/5/2015	
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Sheet Revisions		
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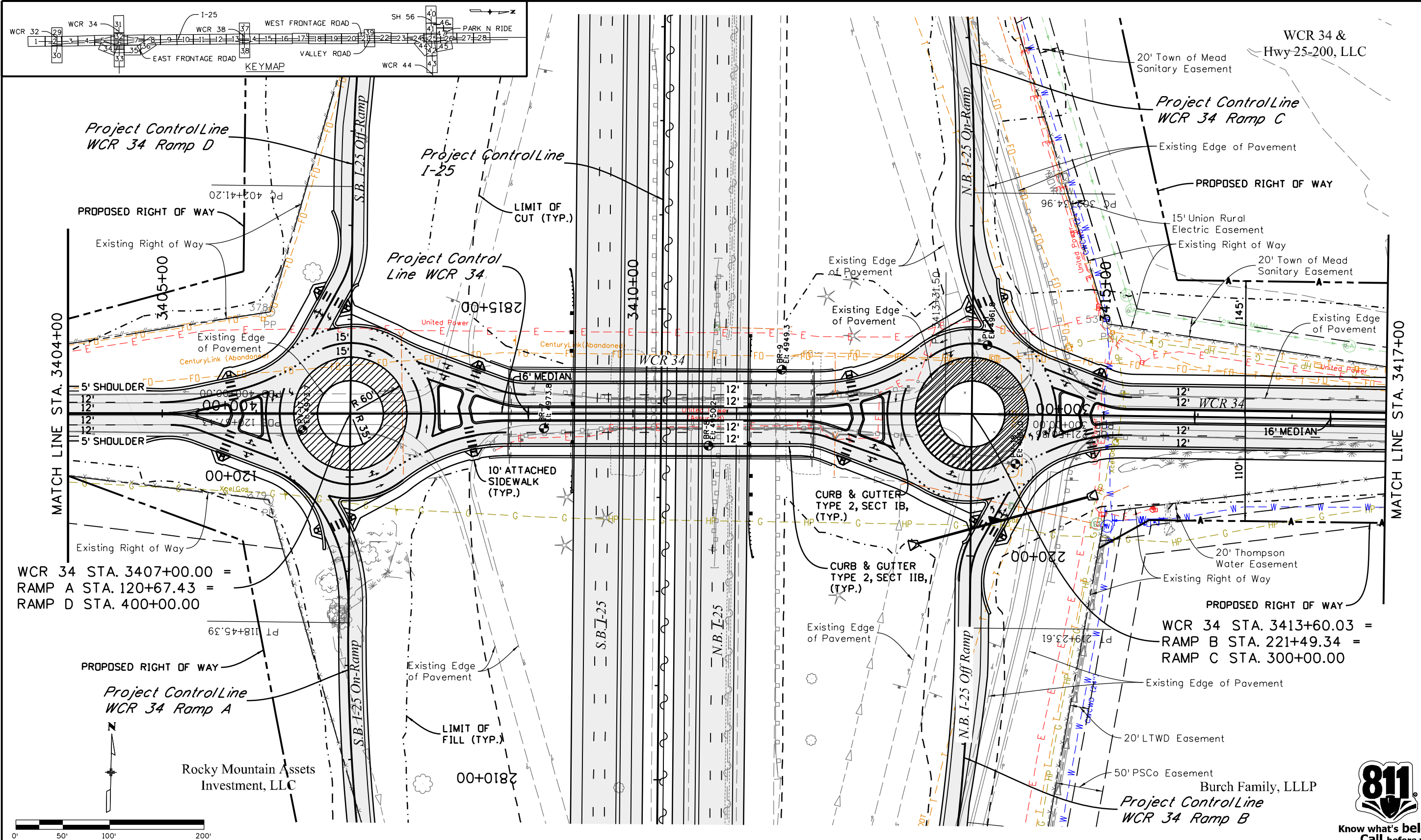
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Detailer:	MAW	Subset Sheets:	31 of 47
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Project No./Code	IM 0253-220
Sheet Number	82

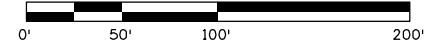
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 RAMP A STA. 120+67.43 =
 RAMP D STA. 400+00.00

WCR 34 STA. 3413+60.03 =
 RAMP B STA. 221+49.34 =
 RAMP C STA. 300+00.00



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Sheet Revisions		
Date:	Comments	Init.
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Region 4 JFF

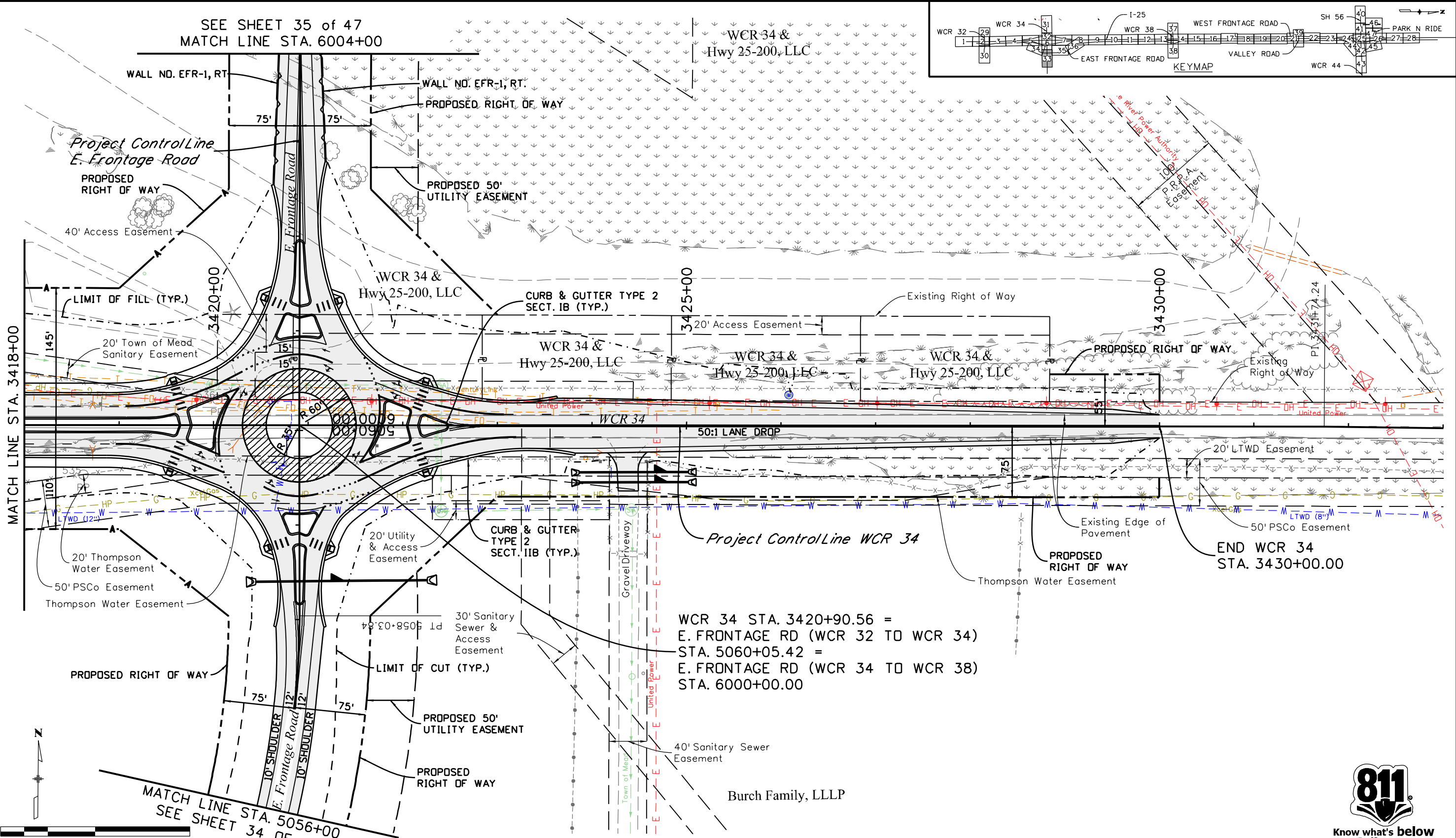
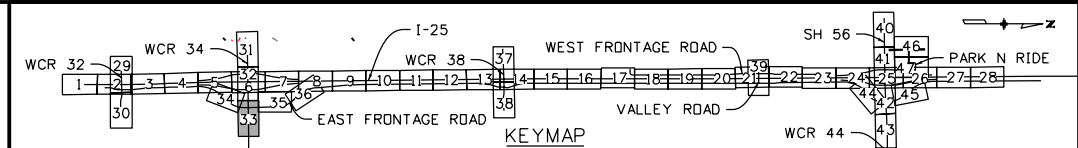
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Sheet Subset:	ROADWAY
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Sheet Number	83

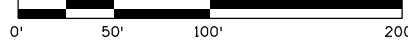


SEE SHEET 35 of 47
MATCH LINE STA. 6004+00



WCR 34 STA. 3420+90.56 =
E. FRONTAGE RD (WCR 32 TO WCR 34)
STA. 5060+05.42 =
E. FRONTAGE RD (WCR 34 TO WCR 38)
STA. 6000+00.00

END WCR 34
STA. 3430+00.00



MATCH LINE STA. 5056+00
SEE SHEET 34 OF 47

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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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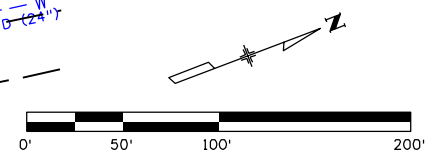
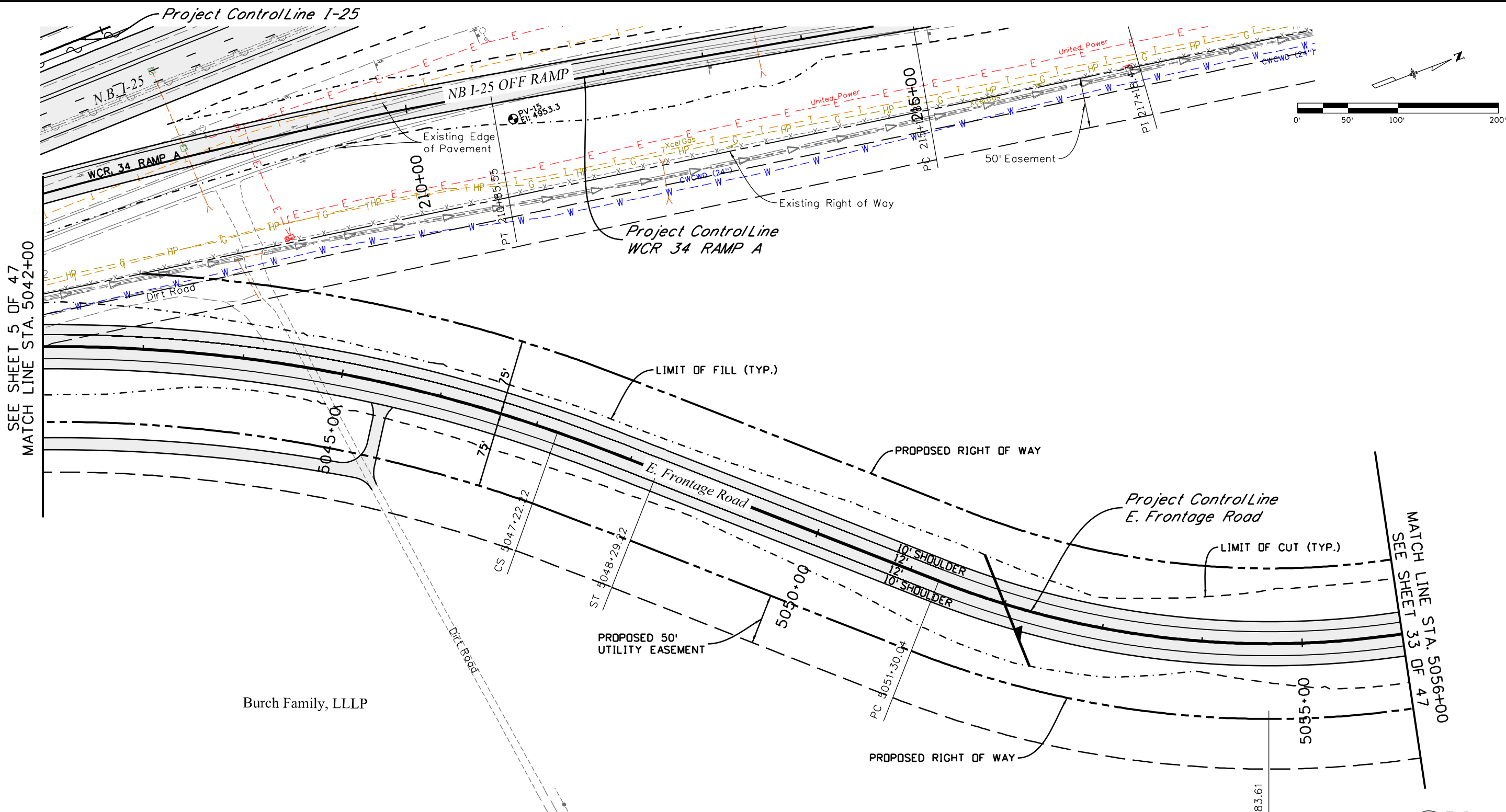
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Project No./Code	IM 0253-220
Sheet Number	84

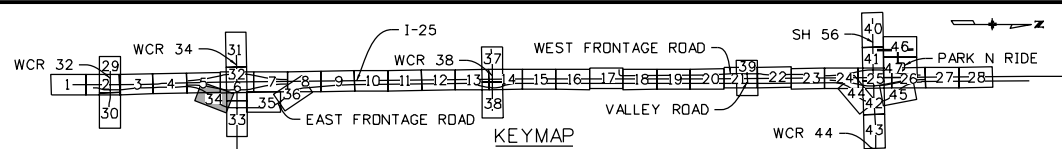


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SEE SHEET 5 OF 47
 MATCH LINE STA. 5042+00

MATCH LINE STA. 5056+00
 SEE SHEET 33 OF 47



Burch Family, LLLP



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Print Date: 3/5/2015	
Drawing File Name: 18319DES_EFR-Plan01.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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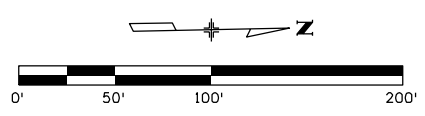
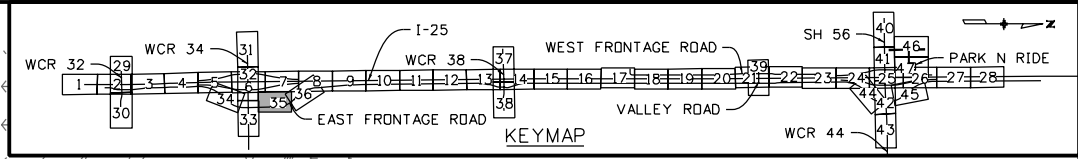
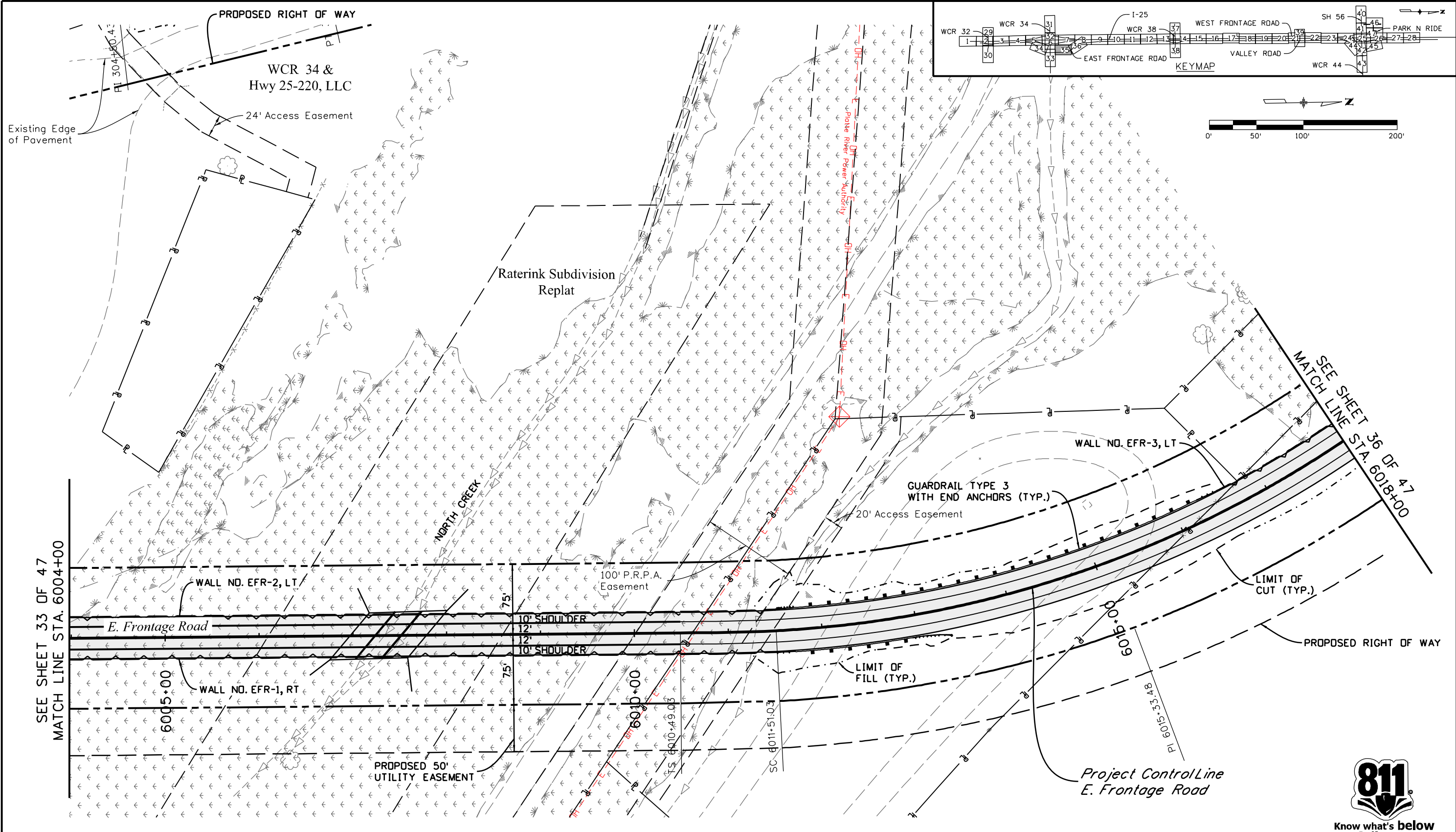
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As Constructed	No Revisions:
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Void:	

I-25 FROM N/O SH 66 TO N/O SH 56 E. FRONTAGE RD. ROADWAY PLAN STA. 5042+00 TO STA. 5056+00			
Designer:	RKZ	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	34 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	85



SEE SHEET 33 OF 47
MATCH LINE STA. 6004+00

SEE SHEET 36 OF 47
MATCH LINE STA. 6018+00

leah 11:21:58 AM P:\12-003.01\1-25 SH 66 to SH 56 - CDDT R-4\18319\Ultimate\Design\Drawings\18319DES_EFR-Plan02.dgn
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Date:	Comments	Init.
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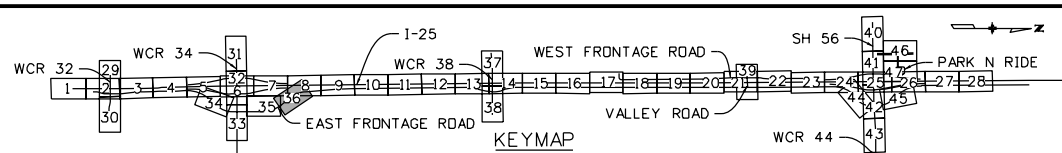
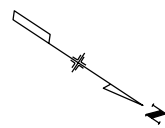
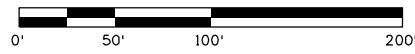
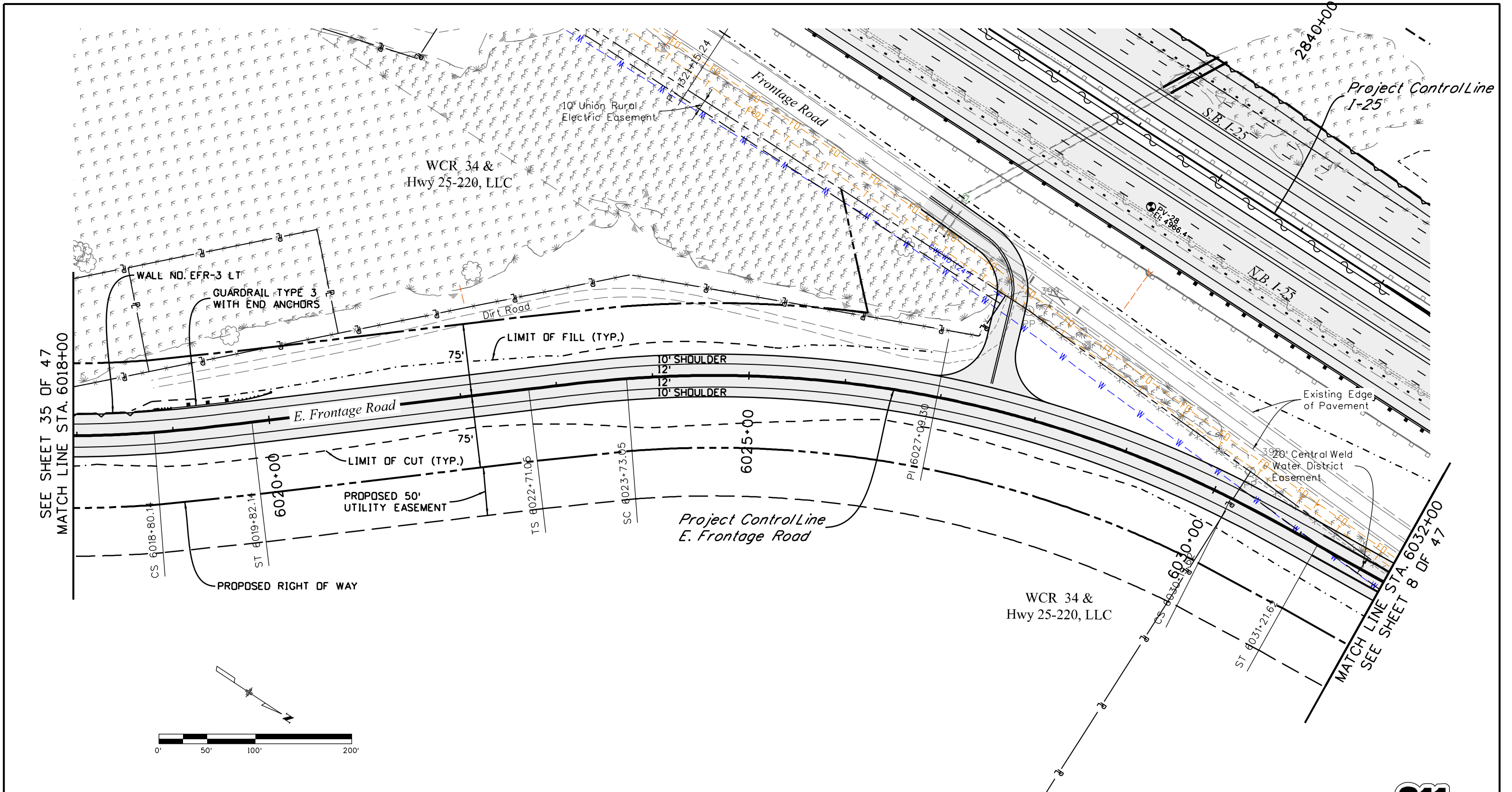
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Designer:	RKZ	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	35 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	86



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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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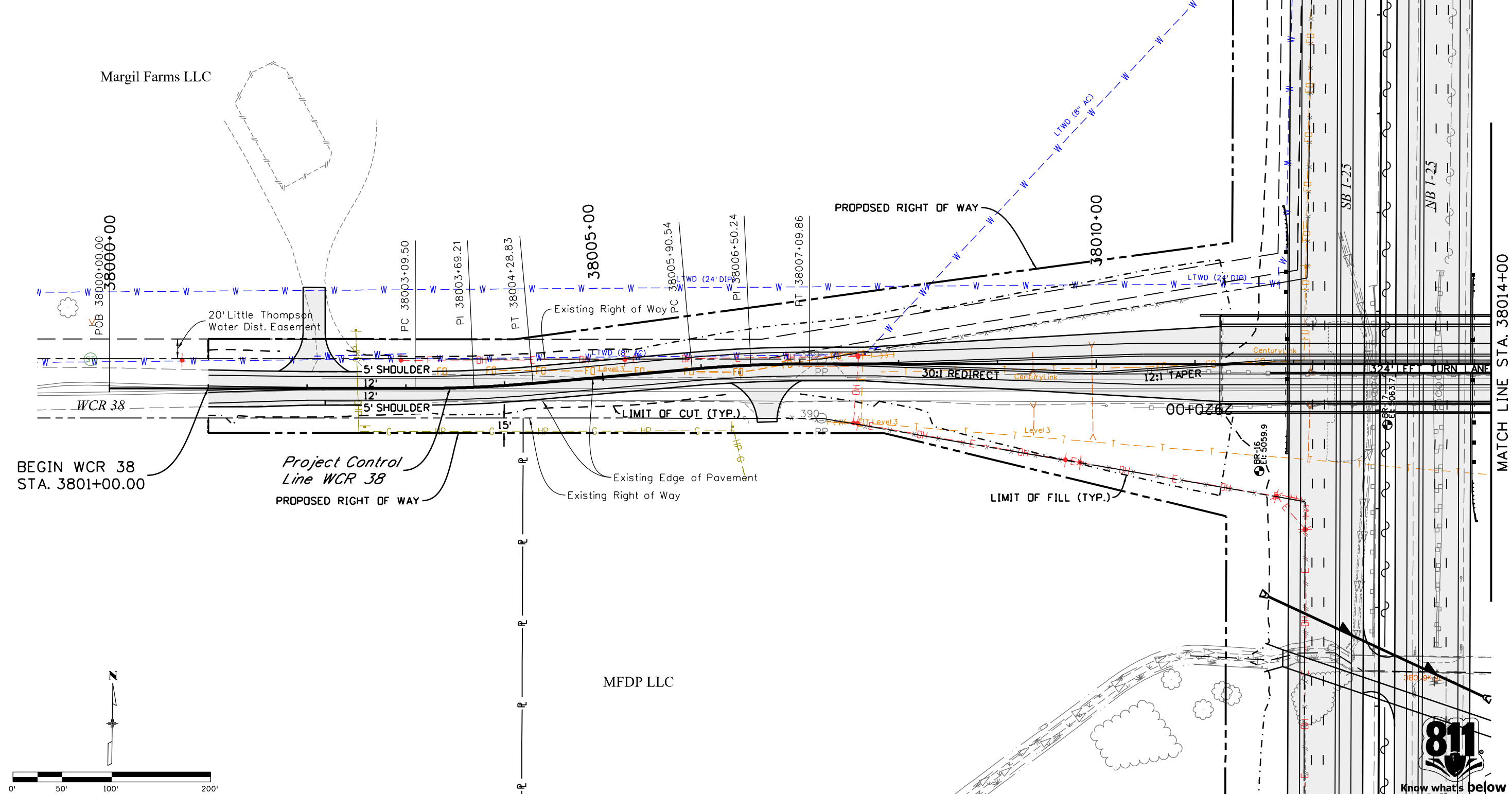
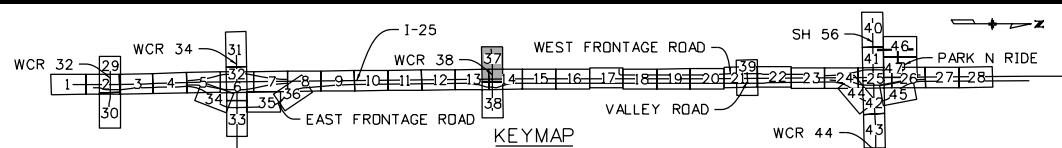
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Detailer:	LMR		
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Project No./Code	IM 0253-220
	18319
Sheet Number	87



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Sheet Revisions	
Date:	Comments

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 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

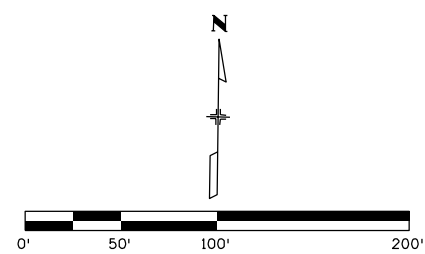
As Constructed
 No Revisions:
 Revised:
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I-25 FROM N/O SH 66 TO N/O SH 56
 WCR 38 ROADWAY PLAN
 STA. 38000+00 TO STA. 38014+00

Designer: RKZ
 Detailer: MAW
 Sheet Subset: ROADWAY Subset Sheets: 37 of 47

Project No./Code
 IM 0253-220
 18319
 Sheet Number 88

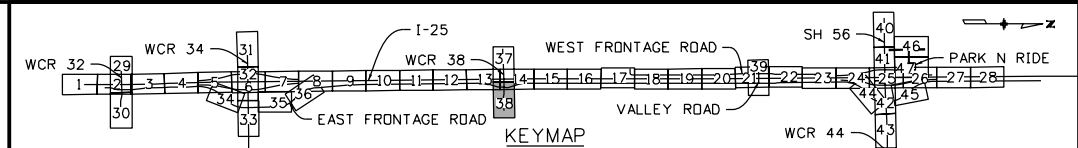
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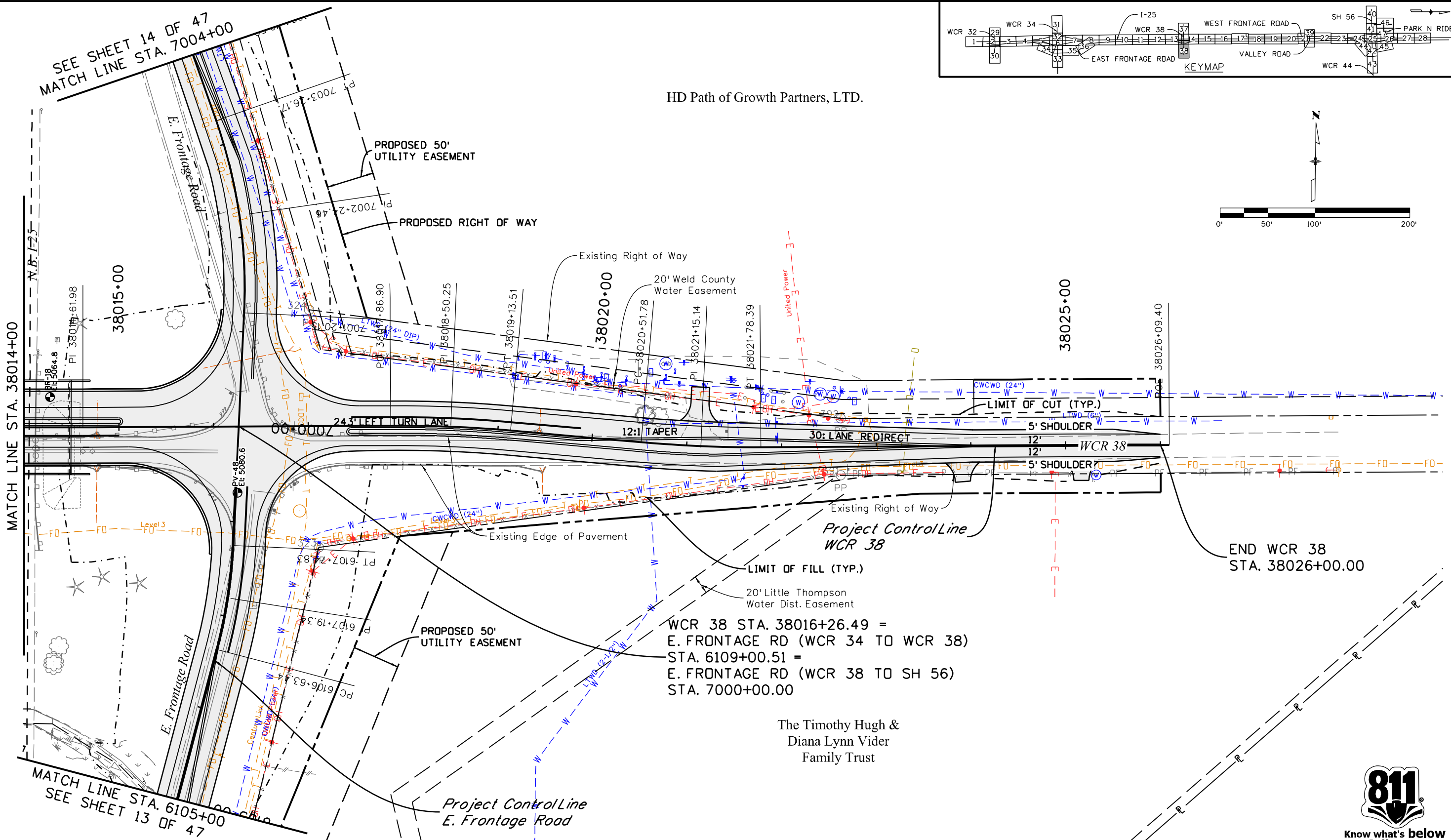
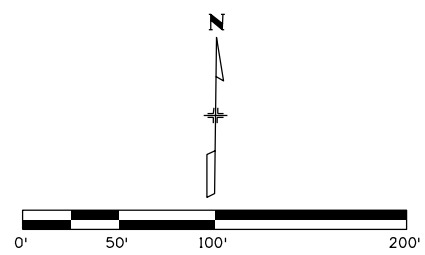
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20% SUBMITTAL





HD Path of Growth Partners, LTD.



WCR 38 STA. 38016+26.49 =
 E. FRONTAGE RD (WCR 34 TO WCR 38)
 STA. 6109+00.51 =
 E. FRONTAGE RD (WCR 38 TO SH 56)
 STA. 7000+00.00

The Timothy Hugh &
 Diana Lynn Vider
 Family Trust

END WCR 38
 STA. 38026+00.00



Know what's below
 Call before you dig.

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Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed	I-25 FROM N/O SH 66 TO N/O SH 56
No Revisions:	WCR 38 ROADWAY PLAN
Revised:	STA. 38014+00 TO STA. 38025+00
Void:	

Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Sheet Subset:	ROADWAY
Sheet Subset: ROADWAY		Subset Sheets:	38 of 47

Project No./Code	IM 0253-220
Sheet Number	89

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 3/5/2015

HFE, LLC

PROPOSED RIGHT OF WAY

Town of Berthoud
Discharge & Drainage
Easement

*Project ControlLine
W. Frontage Road*

VALLEY ROAD
STA. 4199+91.69=
W. FRONTAGE RD.
STA. 9055+70.77

**BEGIN VALLEY ROAD
ACCESS TO MOTOCROSS
STA. 4195+65.49**

Existing Right
of Way

20' Central Weld
County Water Dist.
Easement

30' Tollgate Farms
Ingress & Egress

**LIMIT OF FILL
(TYP.)**

Town of
Berthoud
Treatment Plant
Easement
POB 4195+19.75

40' Effluent Easement
Town of Berthoud

**Anadarko E. & P.
Company, LP.**

24' Temporary Easement
Town of Berthoud

**LIMIT OF CUT
(TYP.)**

PROPOSED RIGHT OF WAY

Project ControlLine I-25

PT 9052+58.63

00+0906

PI 9059+71.40

PC 9058+11.66

00+0303

W Frontage Road

20' Little
Thompson
Water
Easement

Valley Road

3025+00

MAINTENANCE
ACCESS RD. (TYP.)

4200+00

00+5506

00+9203

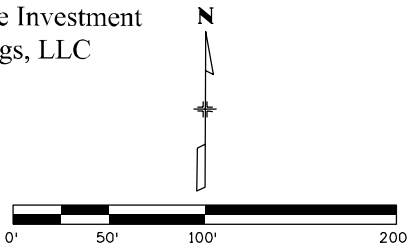
S.B. I-25

N.B. I-25

E. Frontage Road

*Project ControlLine
E. Frontage Road*

Front Range Investment
Holdings, LLC



Central Weld
Water Easement

*Project ControlLine
Valley Road*

25' Central Weld
County Water Dist.
Easement

5' SHOULDER

5' SHOULDER

00+9017

**END VALLEY ROAD
STA. 4204+12.09=
E. FRONTAGE RD.
STA. 7106+53.22**

**PROPOSED RIGHT
OF WAY**

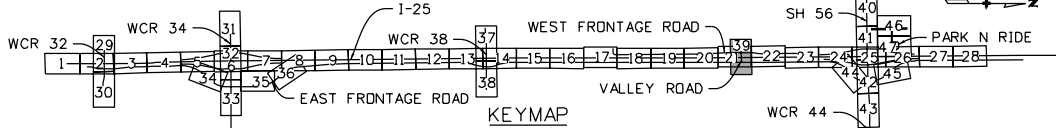
Front Range Investment
Holdings, LLC

**PROPOSED 50'
UTILITY EASEMENT**

PT 7104+39.53

PI 7102+41.94

Existing Right of Way



Print Date: 3/5/2015
Drawing File Name: 18319DES_Valley Rd-Plan01.dgn

Horiz. Scale: 1:100 Vert. Scale: As Noted

Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
CONSULTING ENGINEERS
777 S. Wadsworth Blvd.
#4 - 100
Lakewood, CO 80226
303-988-4939
P: 12-003.01/18319/Design/

Sheet Revisions	
Date:	Comments

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Colorado Department of Transportation

Region 4

2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

JFF

As Constructed	I-25 FROM N/O SH 66 TO N/O SH 56
No Revisions:	VALLEY RD ROADWAY PLAN
Revised:	Designer: RKZ Structure Detailer: MAW Numbers
Void:	Sheet Subset: ROADWAY Subset Sheets: 39 of 47

Project No./Code

IM 0253-220

18319

Sheet Number 90

811
Know what's below
Call before you dig.

SEE SHEET 46 OF 47
MATCH LINE STA. 44804+00

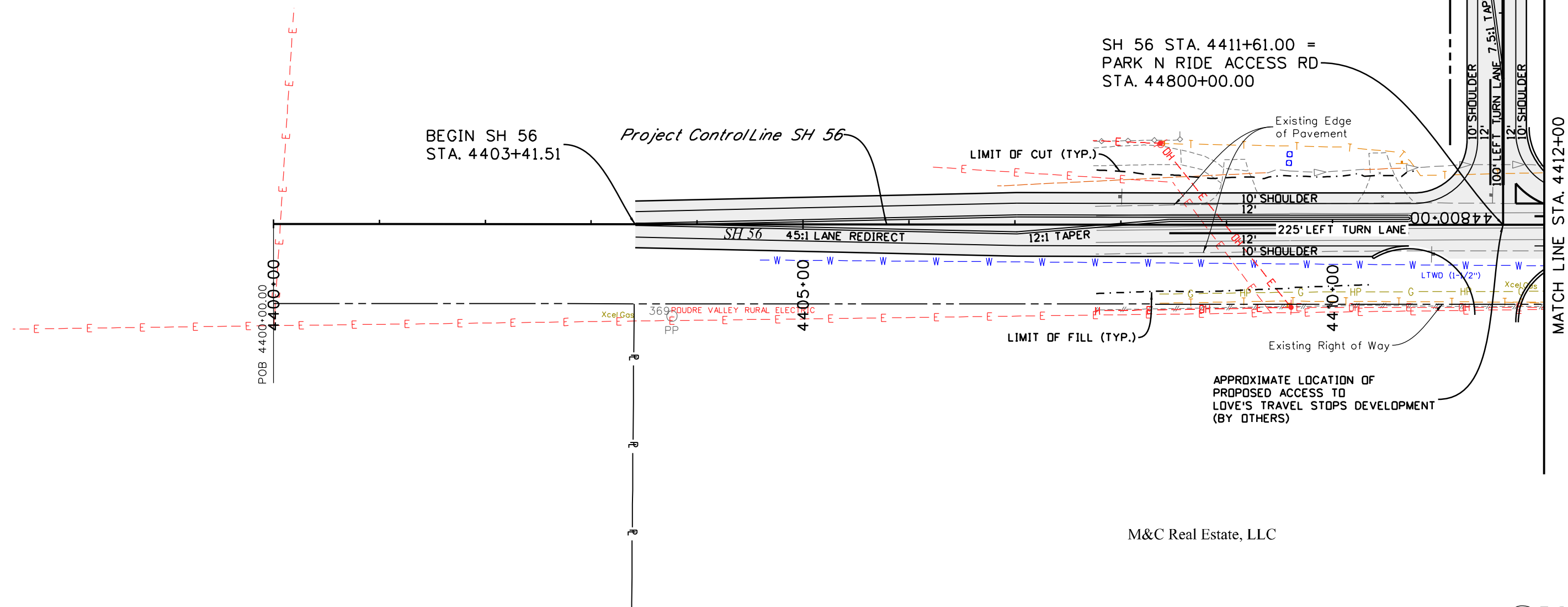
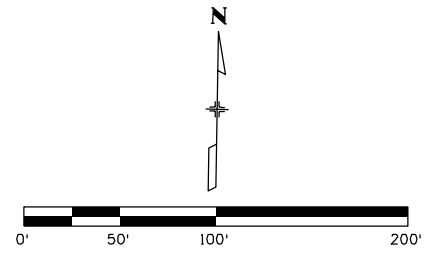
Helen M. Hart &
Louis Hart

Project ControlLine
Park N Ride Access Rd.

SH 56 STA. 4411+61.00 =
PARK N RIDE ACCESS RD
STA. 44800+00.00

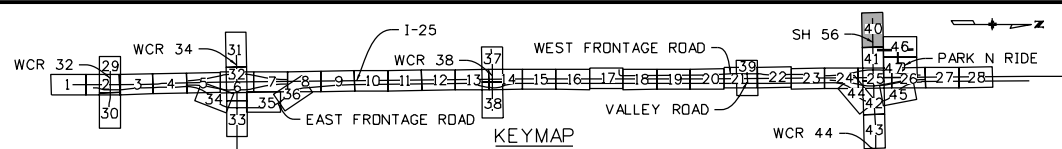
BEGIN SH 56
STA. 4403+41.51

Project ControlLine SH 56



APPROXIMATE LOCATION OF
PROPOSED ACCESS TO
LOVE'S TRAVEL STOPS DEVELOPMENT
(BY OTHERS)

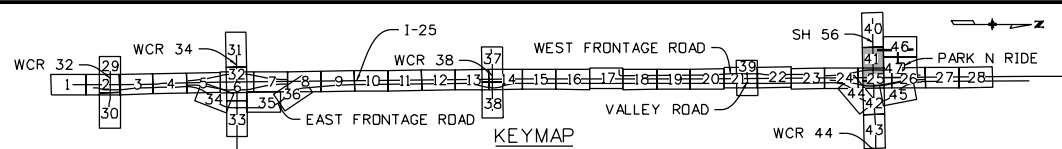
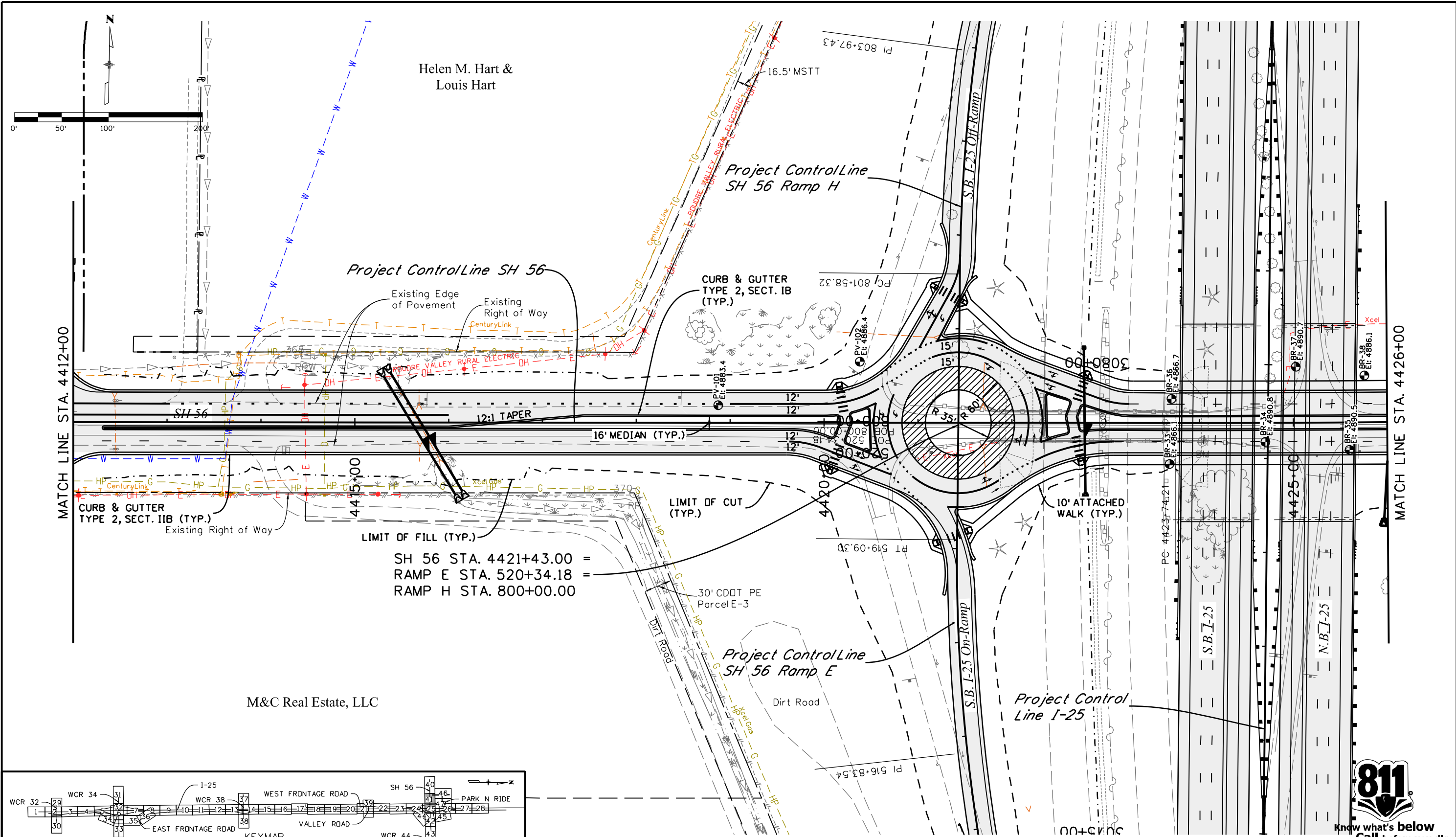
M&C Real Estate, LLC



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Horiz. Scale: 1:100		Unit Information		Region 4		Revised:		Designer: RKZ		18319	
Vert. Scale: As Noted		Unit Leader Initials		JFF		Void:		Detailer: MAW		Sheet Number 91	
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939		0000		20% SUBMITTAL		Sheet Subset: ROADWAY		Structure Numbers		Subset Sheets: 40 of 47	

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Print Date: 3/5/2015
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 Unit Information Unit Leader Initials

MULLER	MULLER ENGINEERING CO., INC.	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939
Pz/12-003.01/18319/Design/		

Sheet Revisions		
Date:	Comments	Init.

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Colorado Department of Transportation

2207 East Highway 402
 Loveland, CO 80537
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Region 4 JFF

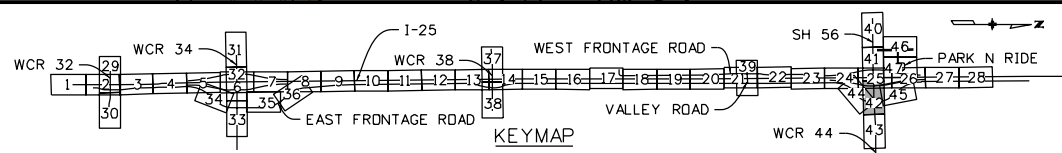
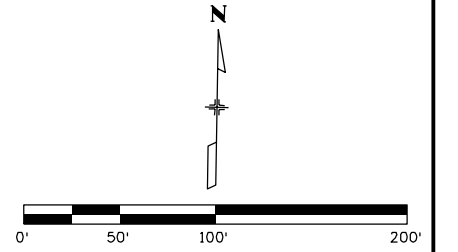
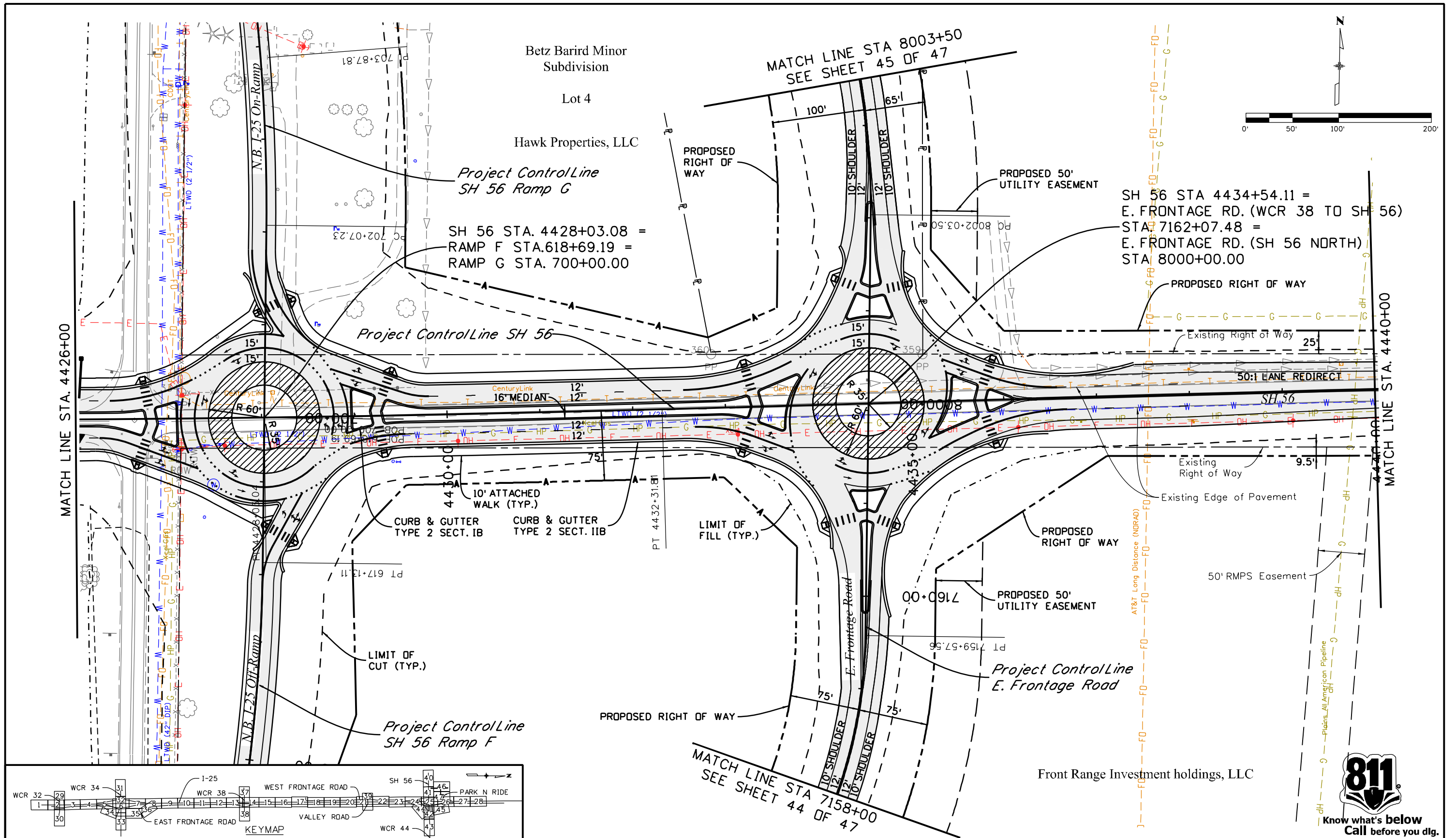
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Revised:	
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW		
Sheet Subset:	ROADWAY	Subset Sheets:	41 of 47

Project No./Code	IM 0253-220
	18319
Sheet Number	92



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Print Date: 3/5/2015
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Unit Information Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd., #4-100 Lakewood, CO 80226 303-988-4939

Sheet Revisions	
Date:	Comments

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Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

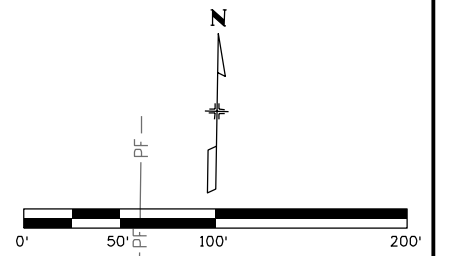
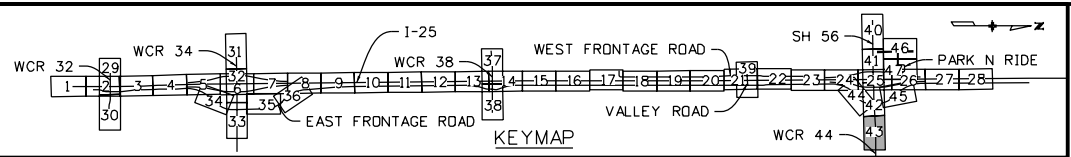
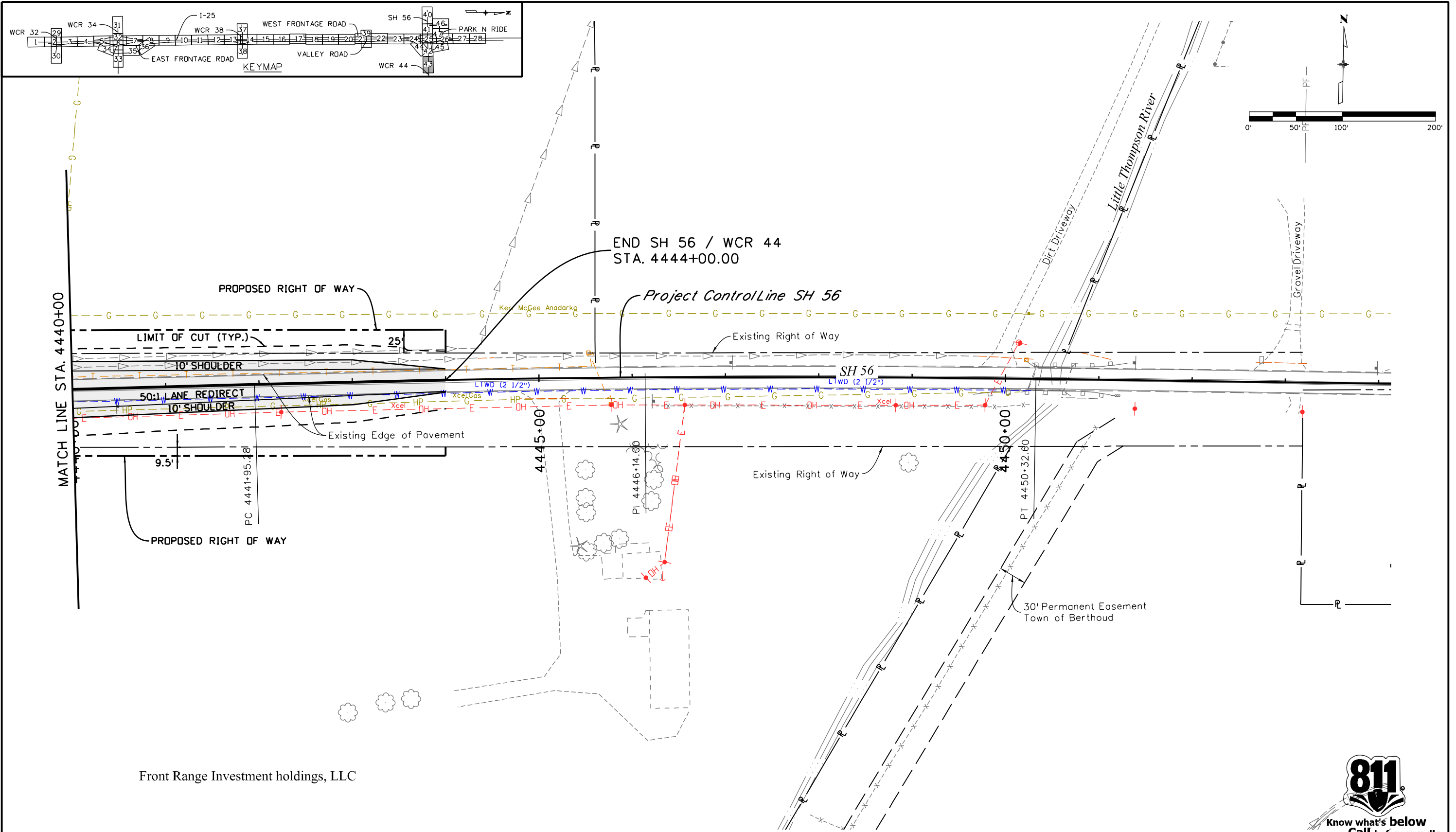
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STA. 4426+00 TO STA. 4440+00	
Designer:	RKZ
Detailer:	MAW
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Project No./Code	IM 0253-220
	18319
Sheet Number	93



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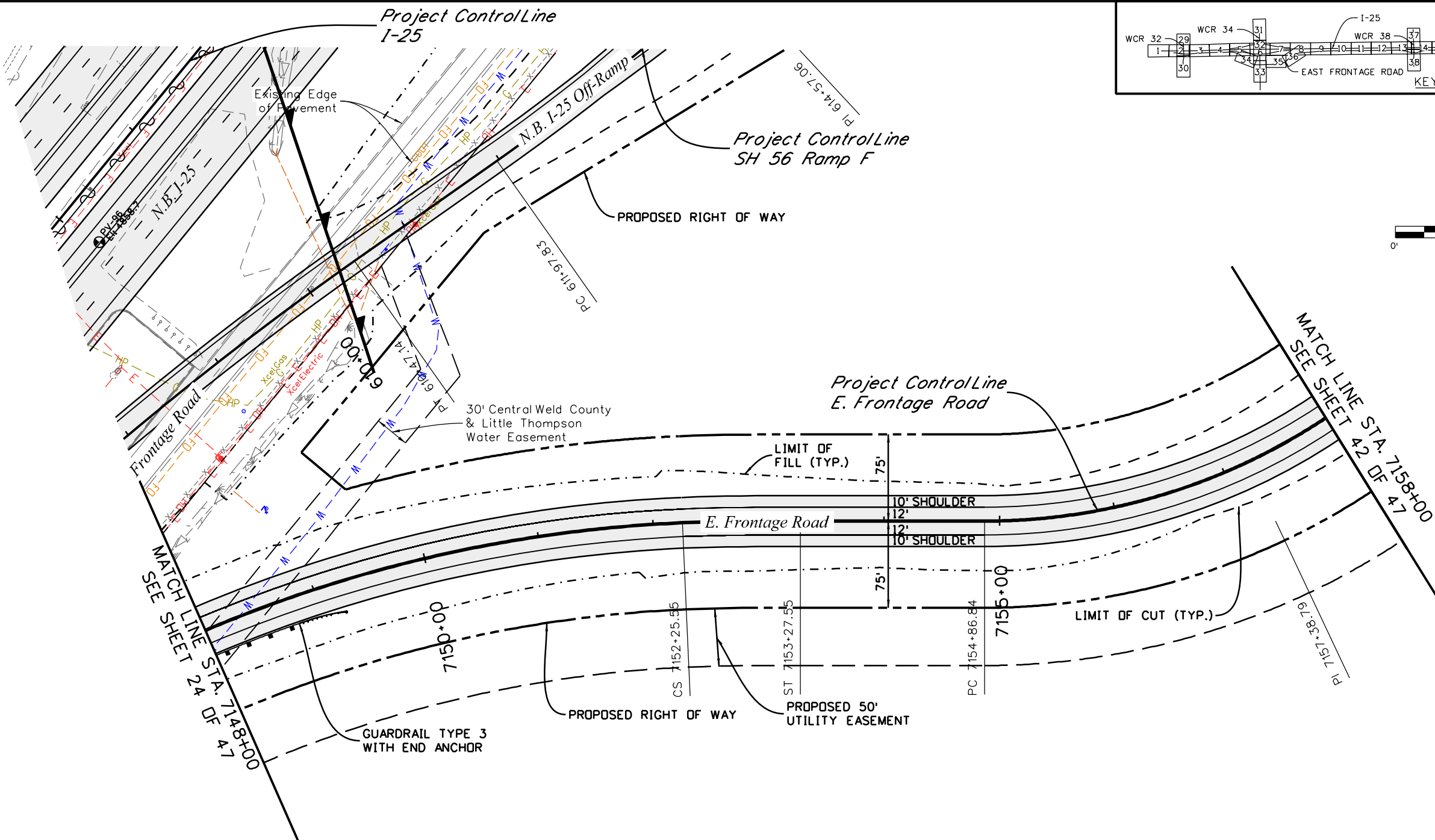
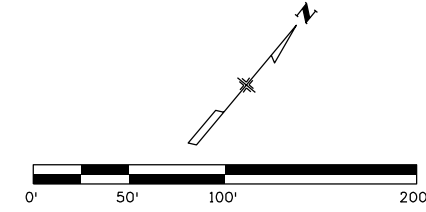
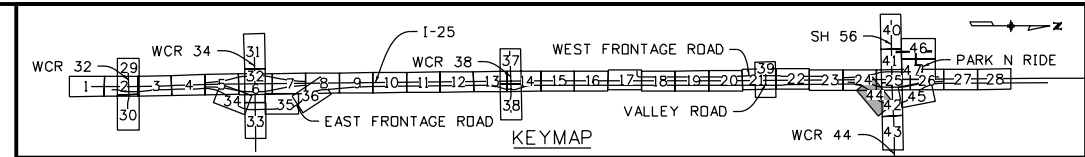


Front Range Investment holdings, LLC



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Unit Information Unit Leader Initials						Void:		Designer: RKZ Structure Numbers		94	
				Region 4		JFF		Detailer: MAW		Sheet Number	
MULLER ENGINEERING CO. INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939 Pz/12-003.01/18319/Design/								Sheet Subset: ROADWAY		Subset Sheets: 43 of 47	

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50' RMPS Easement

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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

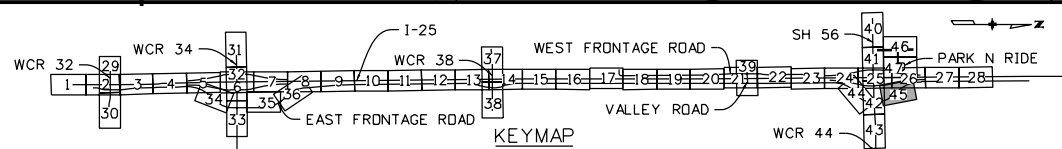
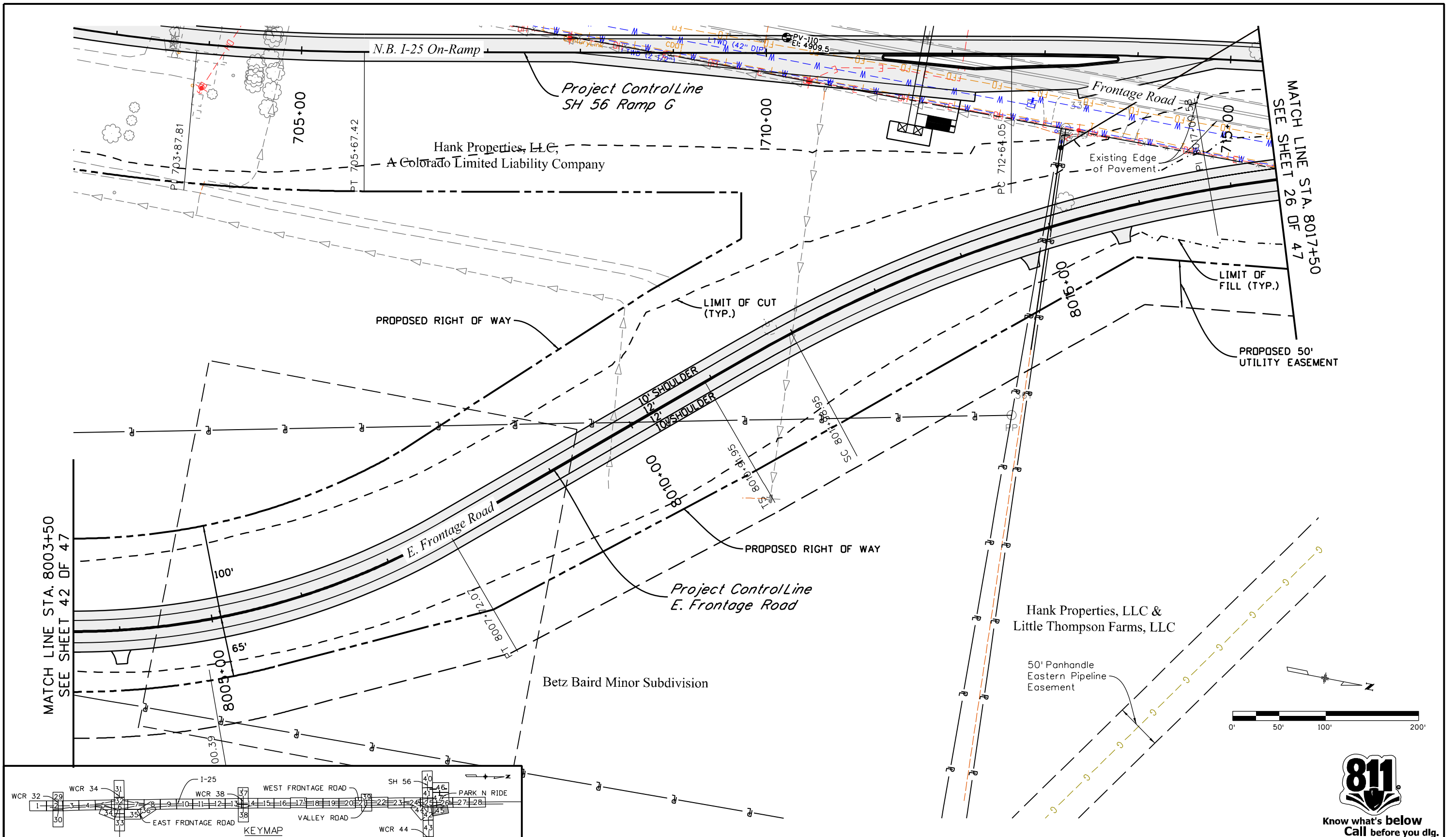
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Designer:	RKZ	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	ROADWAY	Subset Sheets:	44 of 47

Project No./Code	IM 0253-220
Sheet Number	95

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. Lakewood, CO 80226 Phone: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
20% SUBMITTAL		

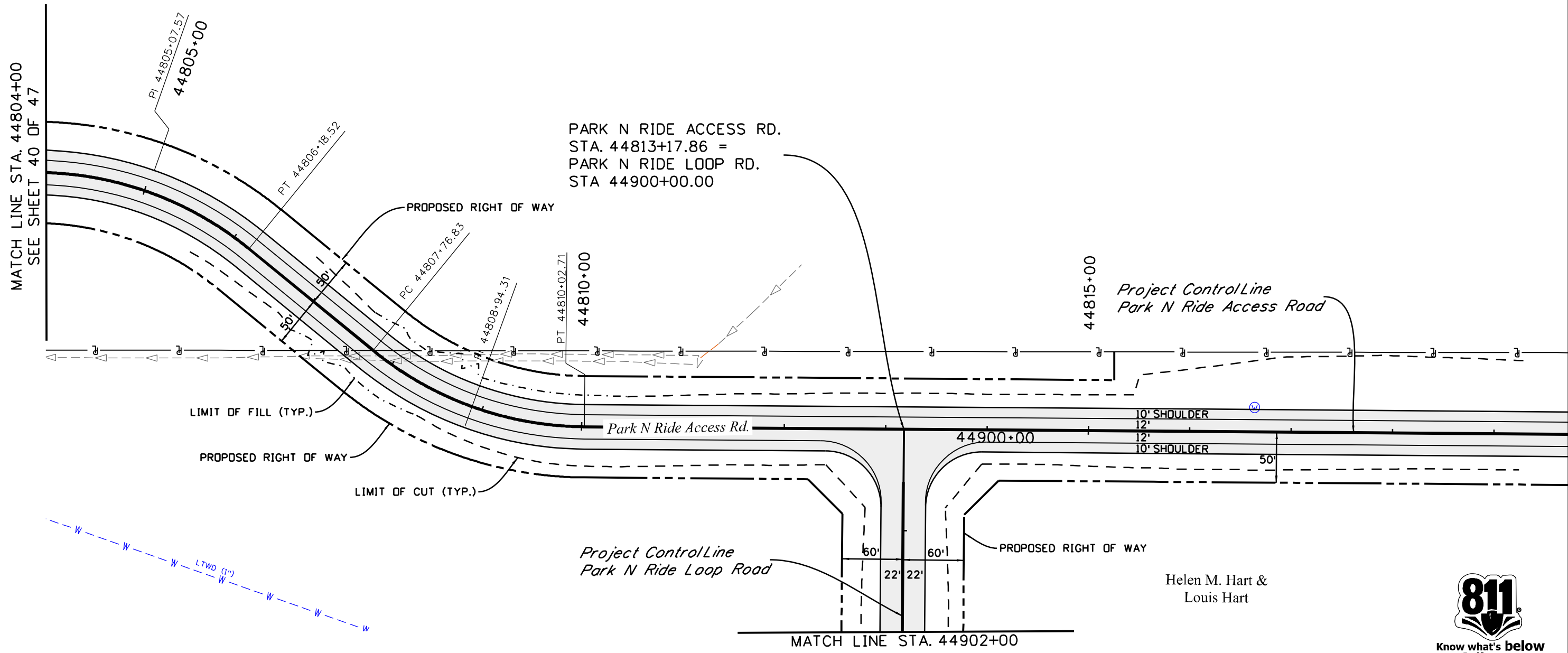
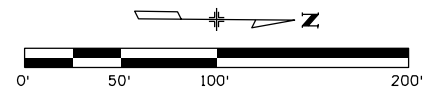
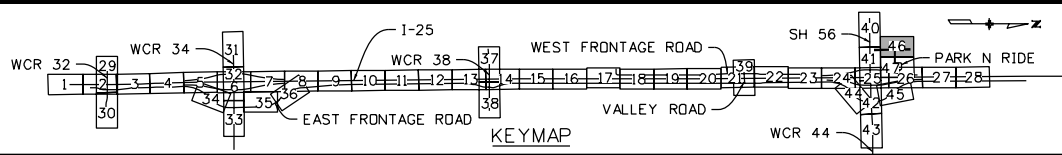
Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed	No Revisions:
Revised:	Void:

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Designer:	RKZ	Structure Numbers	
Detailer:	LMR	Subset Sheets:	45 of 47
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Project No./Code	IM 0253-220
Sheet Number	96



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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
PARK N RIDE PLAN			
Designer:	RKZ	Structure	
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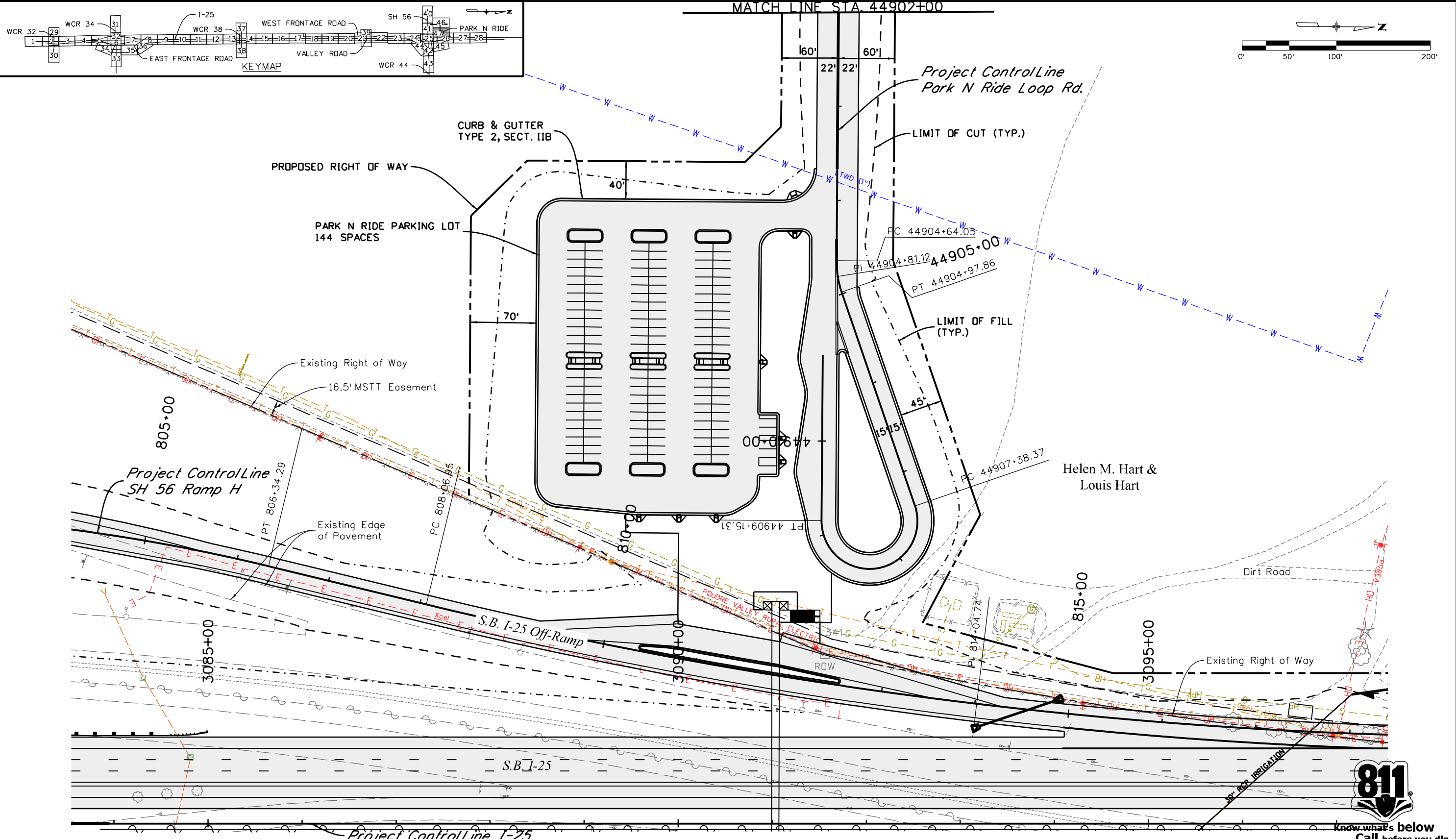
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Sheet Number	97

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Helen M. Hart &
Louis Hart





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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 CONSULTING ENGINEERS Lakewood, CO 80226 P: 303-988-4939 F: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

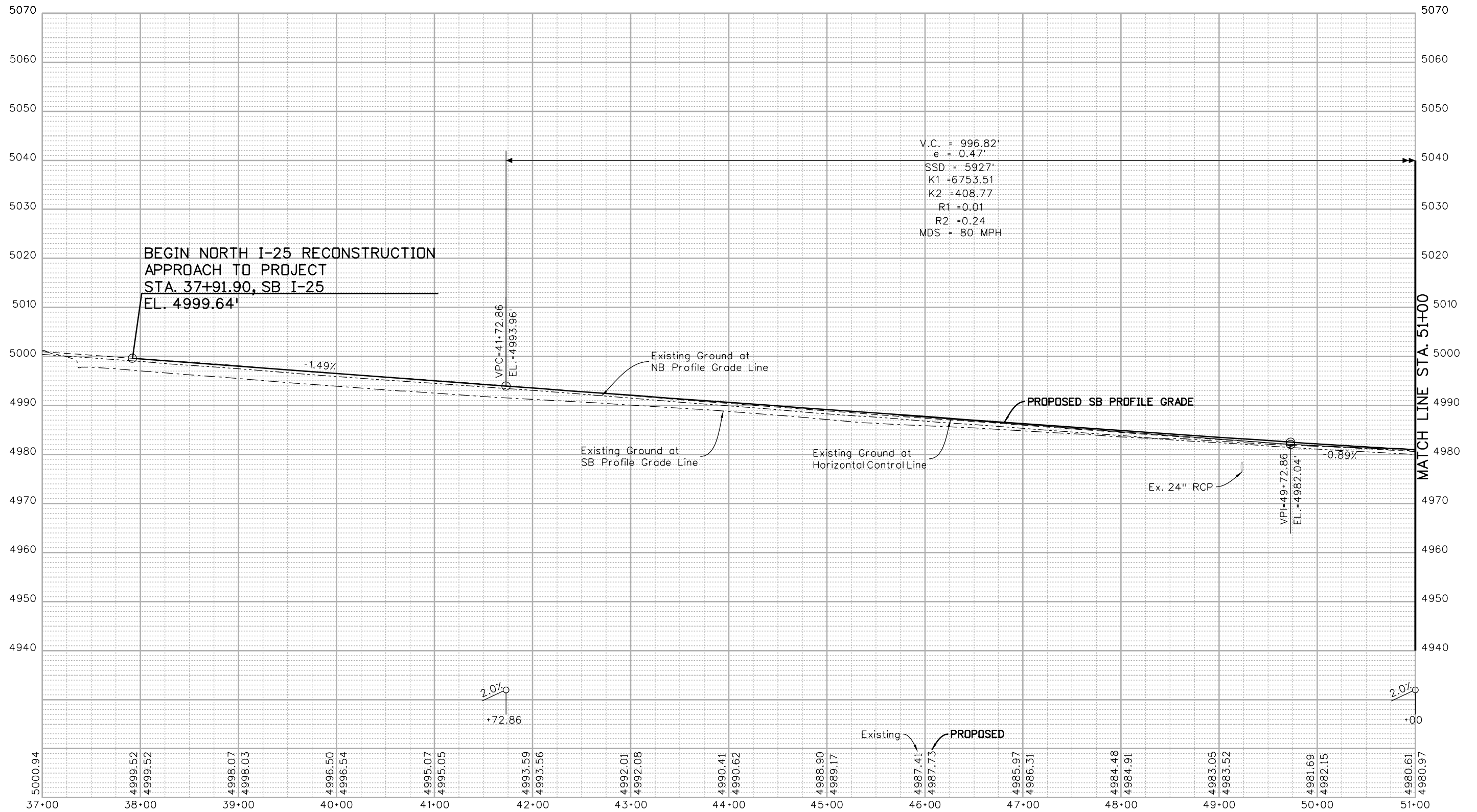
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Revised:	Void:

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PARK N RIDE PLAN			
Designer:	RKZ	Structure Numbers	
Detailer:	LMR	Subset Sheets:	47 of 47
Sheet Subset:	ROADWAY		

Project No./Code	IM 0253-220
Sheet Number	98



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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

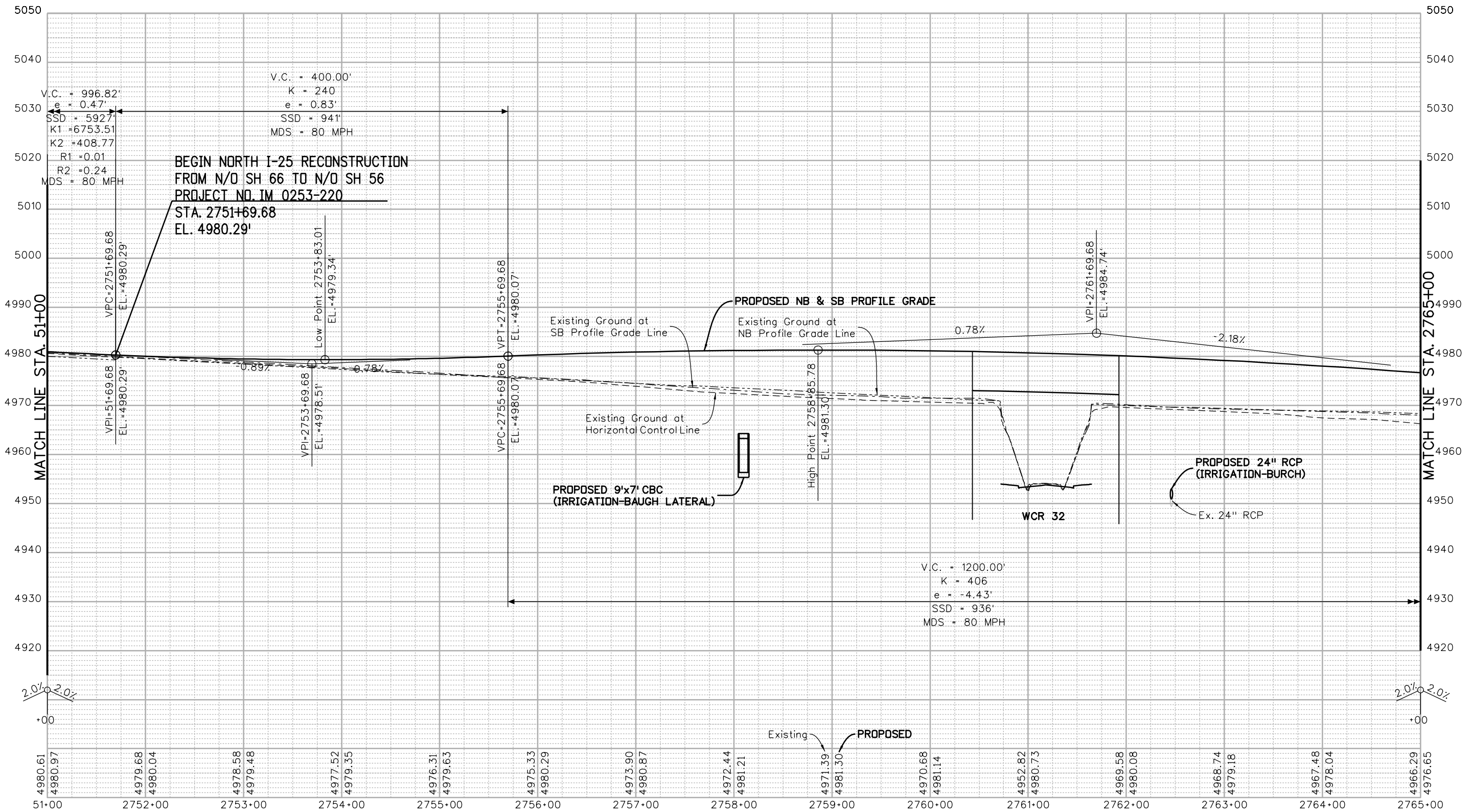
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Revised:
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STA. 2737+00 TO STA. 2751+00			
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	1 of 28

Project No./Code	IM 0253-220
	18319
Sheet Number	99

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Unit Information	Unit Leader Initials
MULLER MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed
No Revisions:
Revised:
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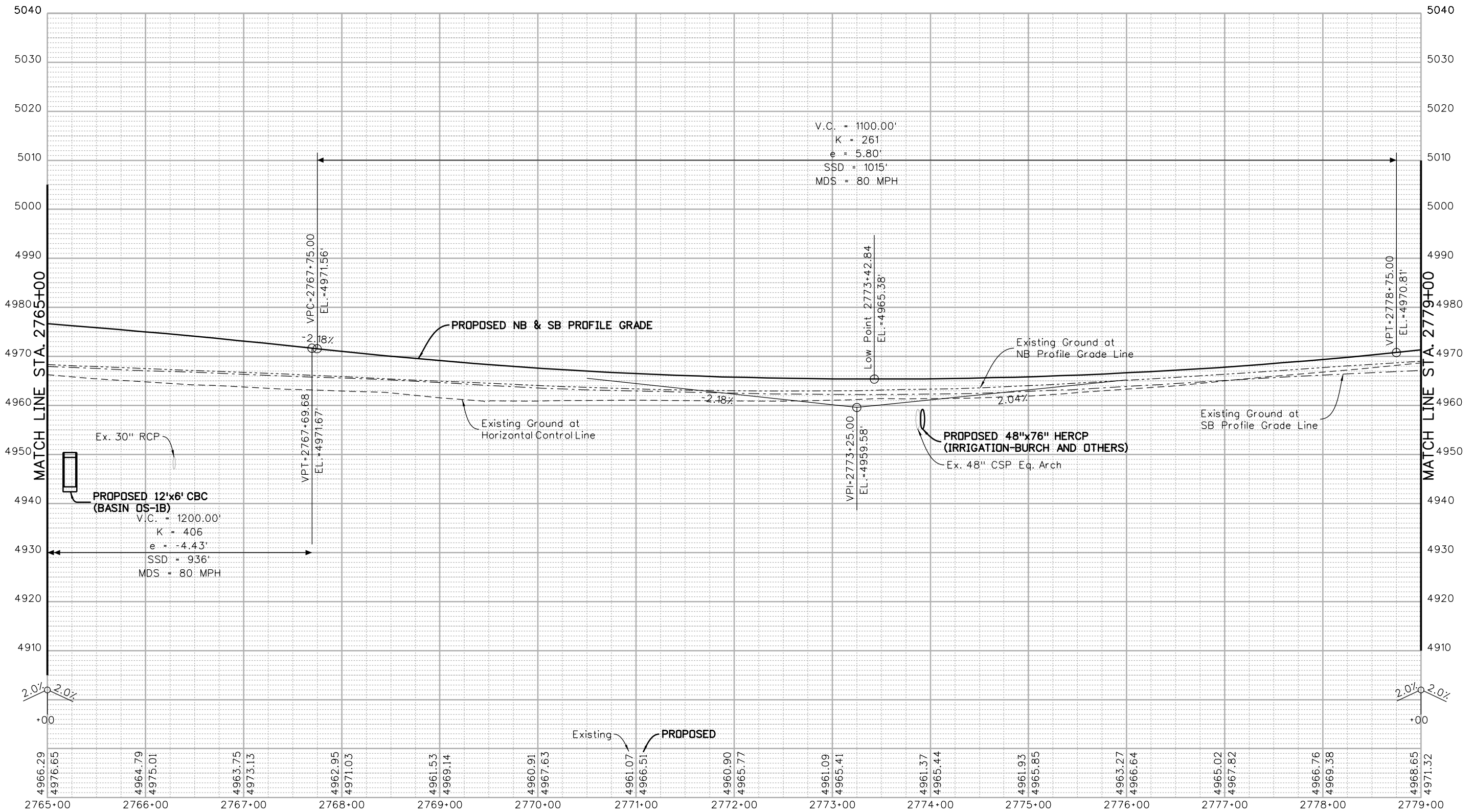
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	2 of 28

Project No./Code	IM 0253-220
	18319
Sheet Number	100

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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Region 4 **JFF**

As Constructed
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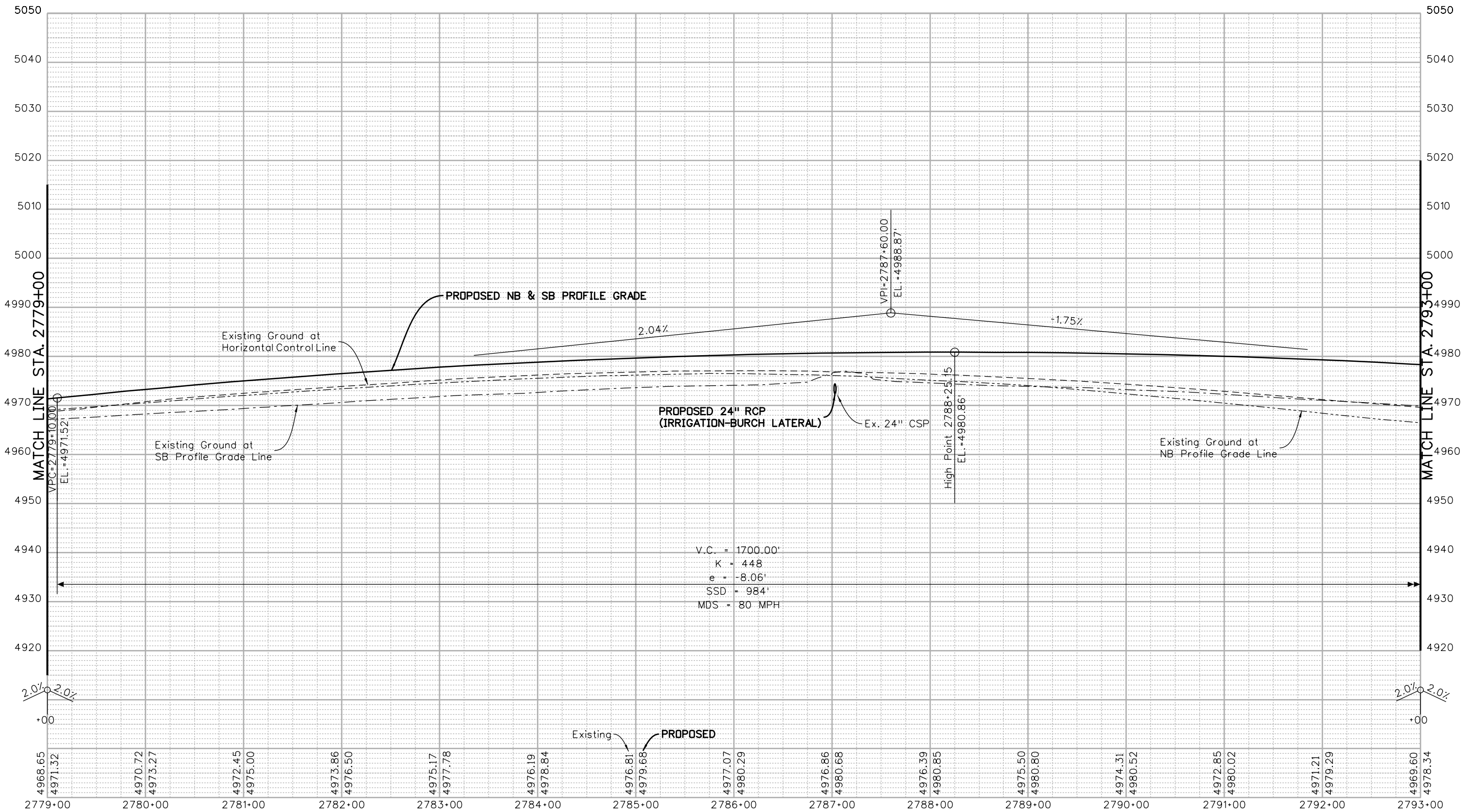
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Sheet Subset:	PROFILE	Subset Sheets:	3 of 28

Project No./Code
IM 0253-220
18319
Sheet Number 101

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 SSD = 984'
 MDS = 80 MPH


Sheet Revisions		
Date:	Comments	Init.
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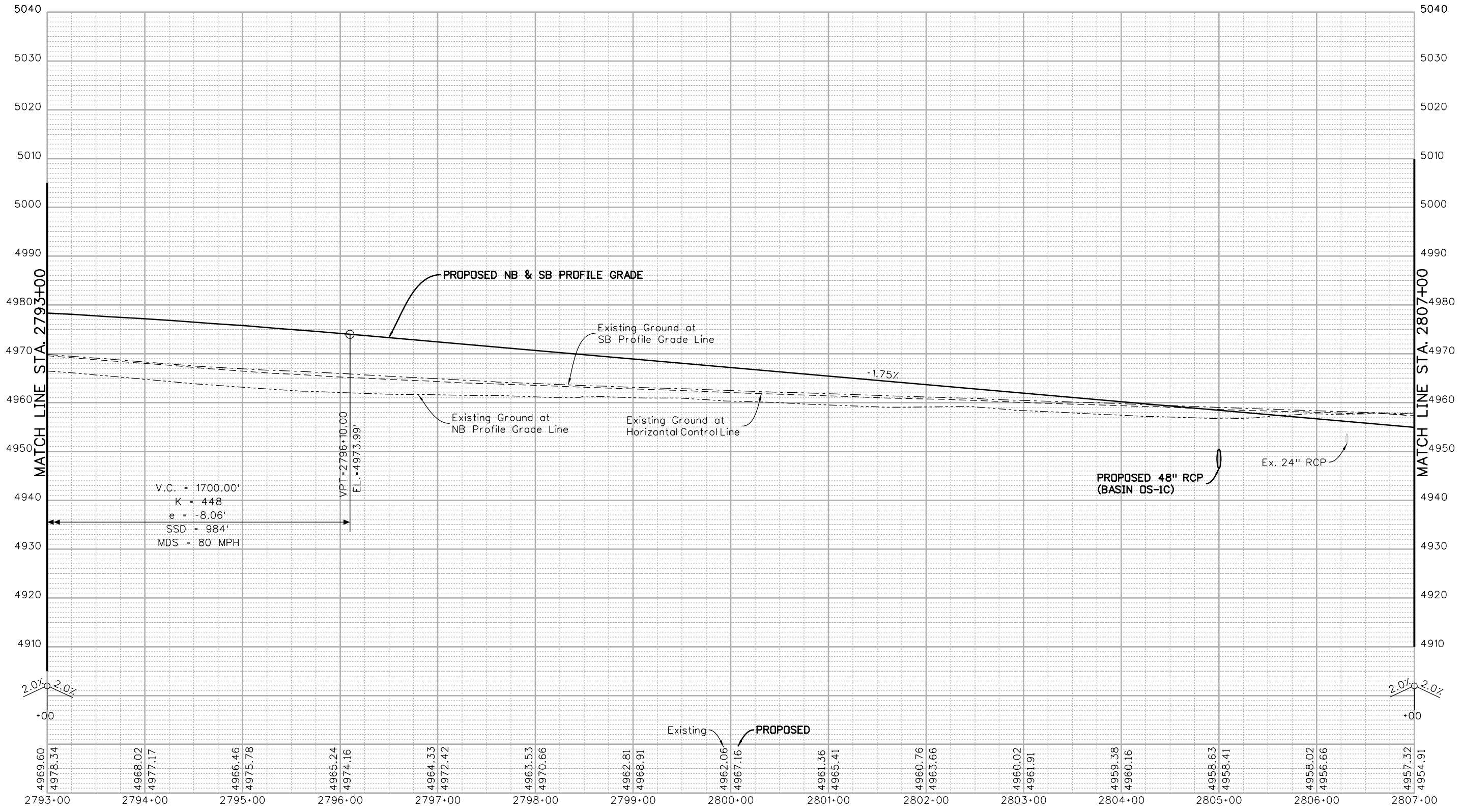
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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Project No./Code	IM 0253-220
	18319
Sheet Number	102

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 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
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 Date: _____ Comments: _____ Init.: _____

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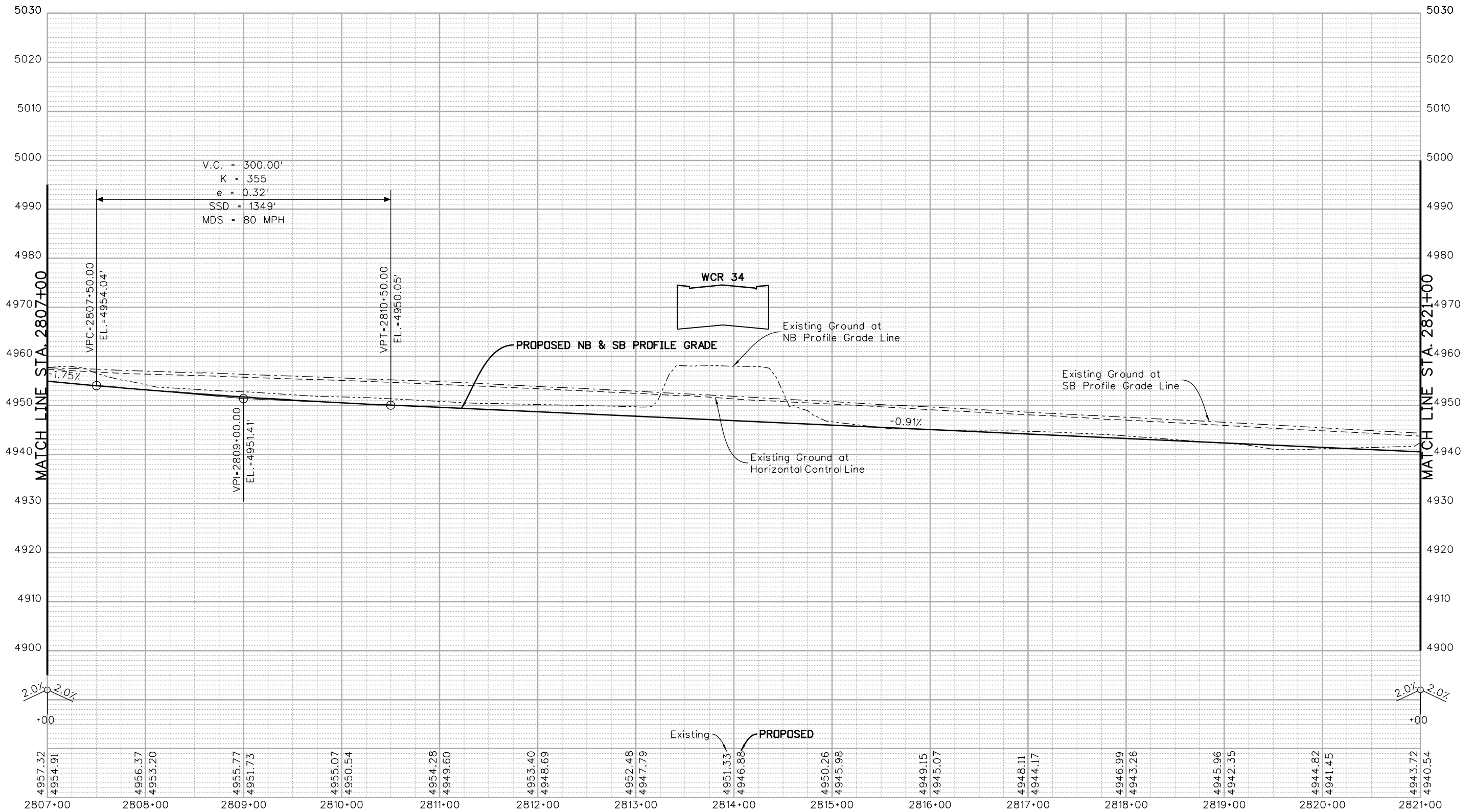
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 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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Void:

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Project No./Code	IM 0253-220
	18319
Sheet Number	103

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.
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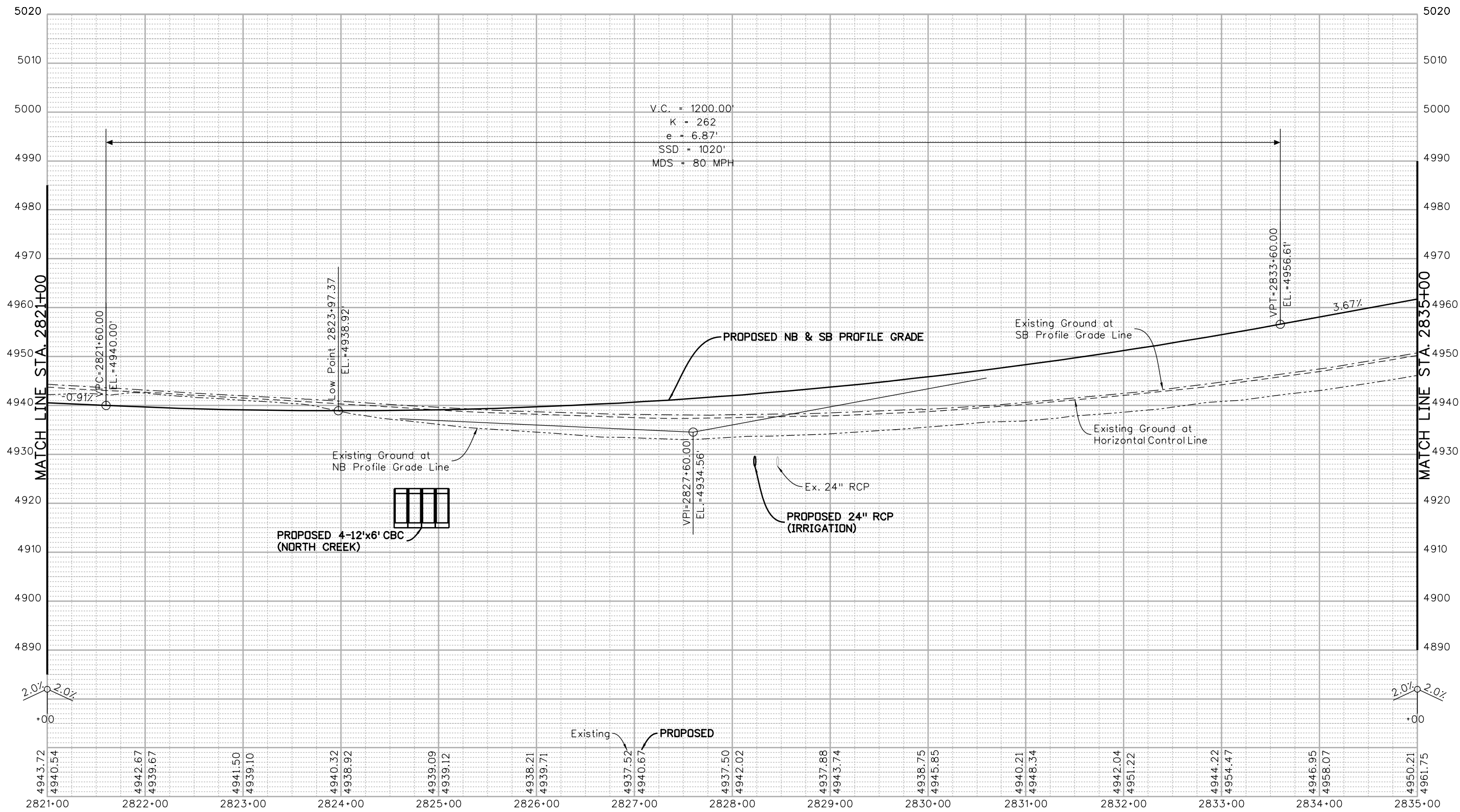
Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
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Revised:
Void:

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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 104

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Sheet Revisions		
Date:	Comments	Init.
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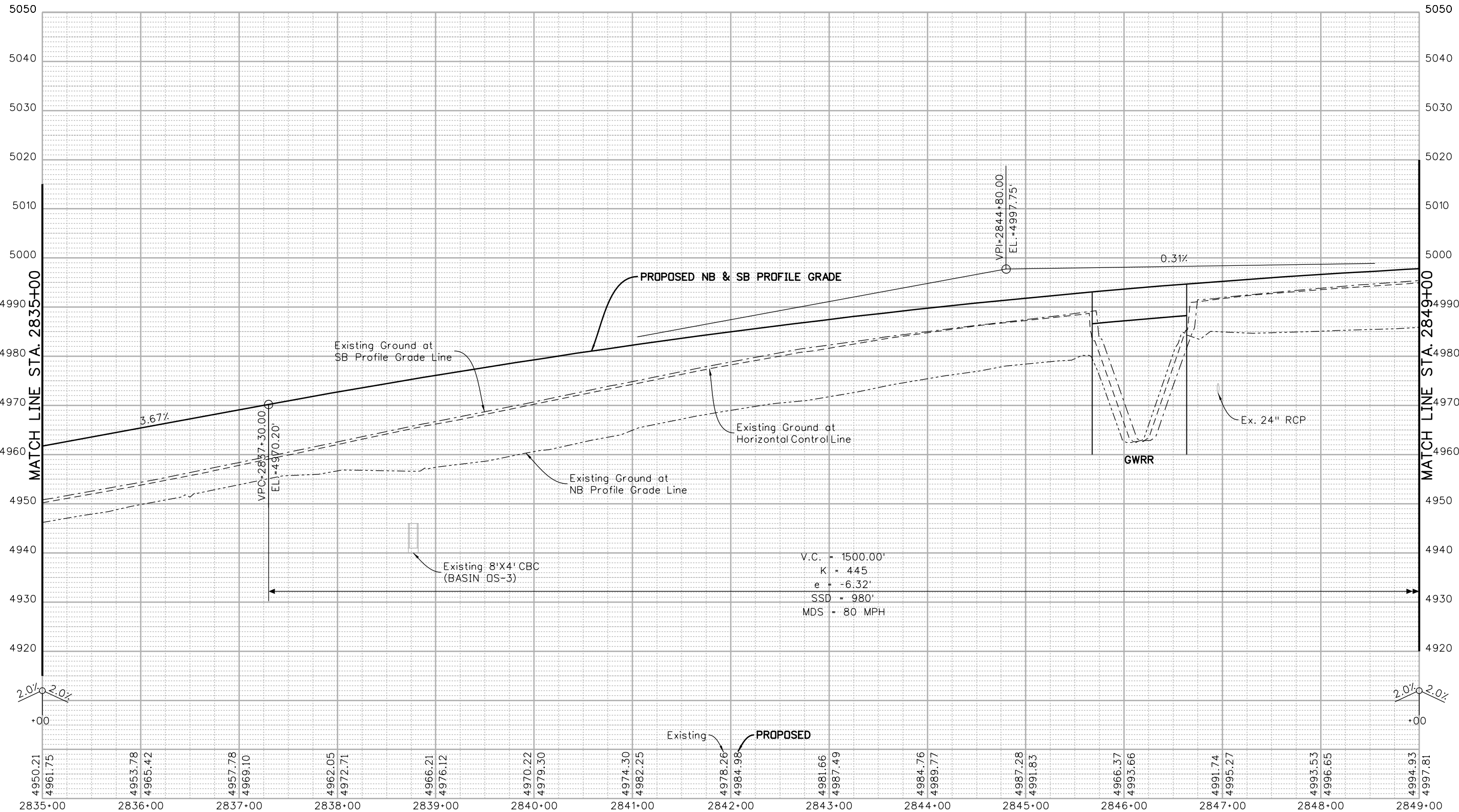
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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 JFF

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No Revisions:
Revised:
Void:

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Detailer:	MAW	Subset Sheets:	7 of 28

Project No./Code	IM 0253-220
	18319
Sheet Number	105

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 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
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 777 S. Wadsworth Blvd. #4 - 100
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Sheet Revisions		
Date:	Comments	Init.

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Region 4

2207 East Highway 402
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JFF

As Constructed
No Revisions:
Revised:
Void:

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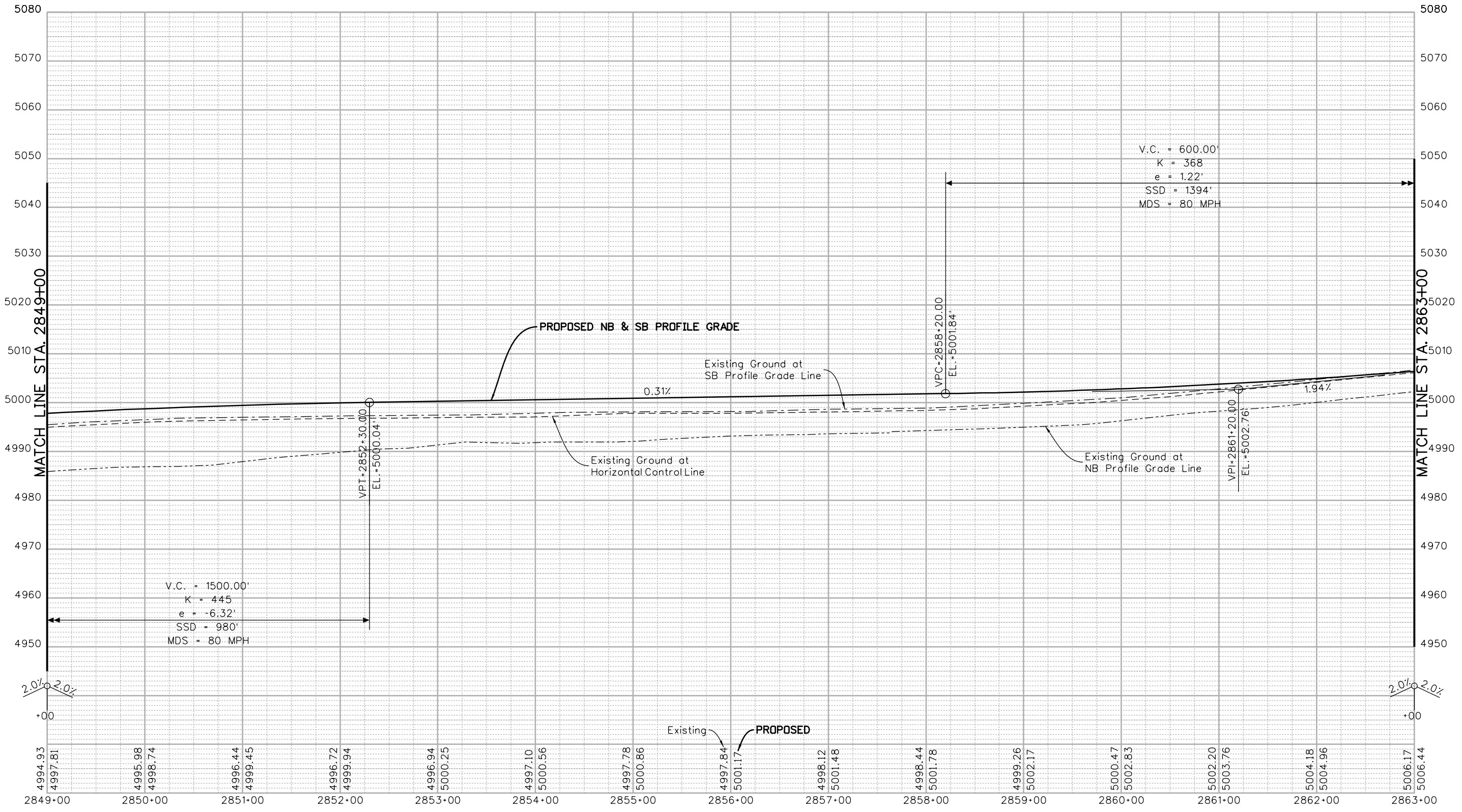
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Project No./Code
IM 0253-220
18319
Sheet Number 106

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Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS
 777 S. Wadsworth Blvd. #4 - 100
 Lakewood, CO 80226
 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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As Constructed
No Revisions:
Revised:
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I-25 FROM N/O SH 66 TO N/O SH 56

I-25 PROFILE

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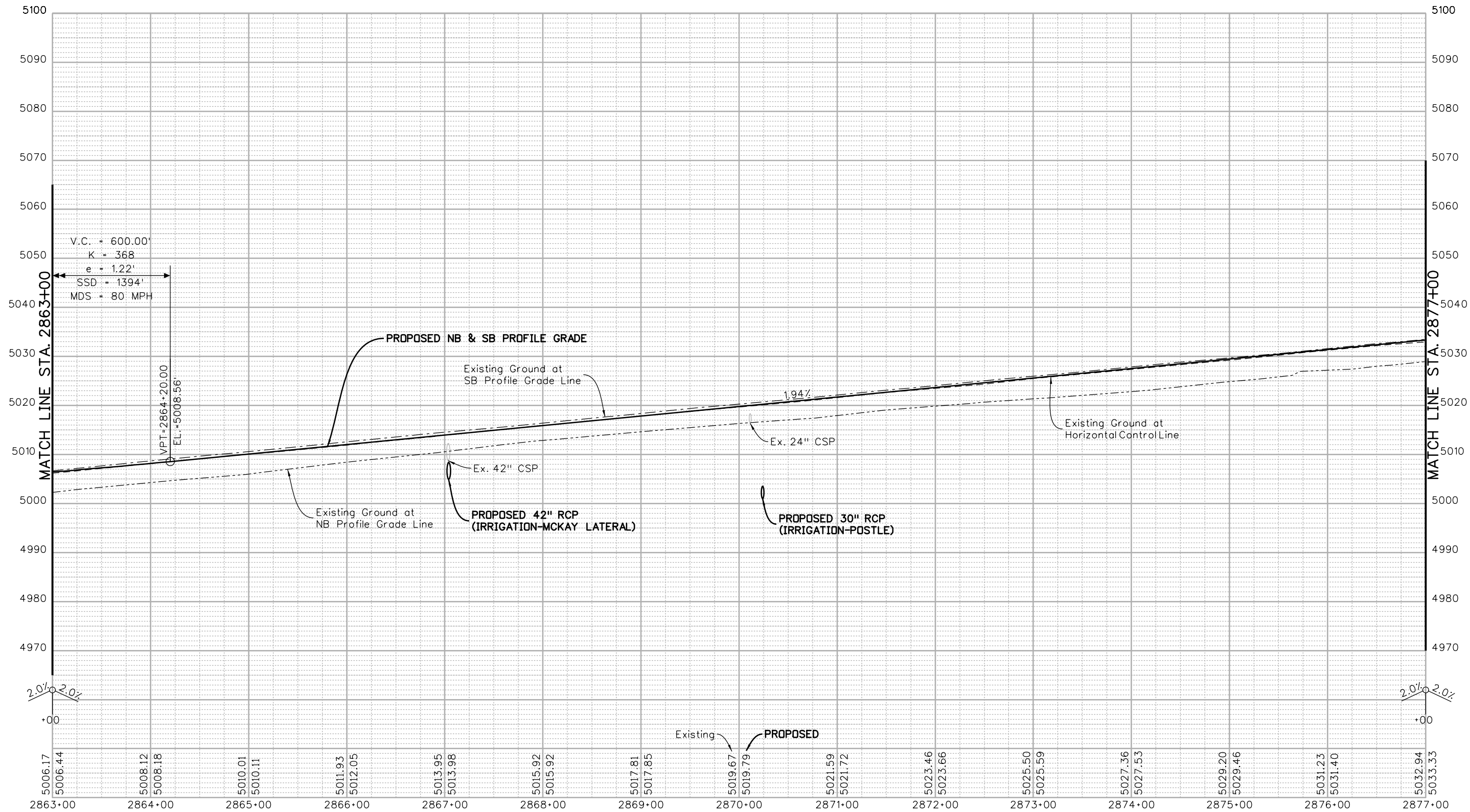
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Project No./Code
IM 0253-220
18319
Sheet Number 107

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed
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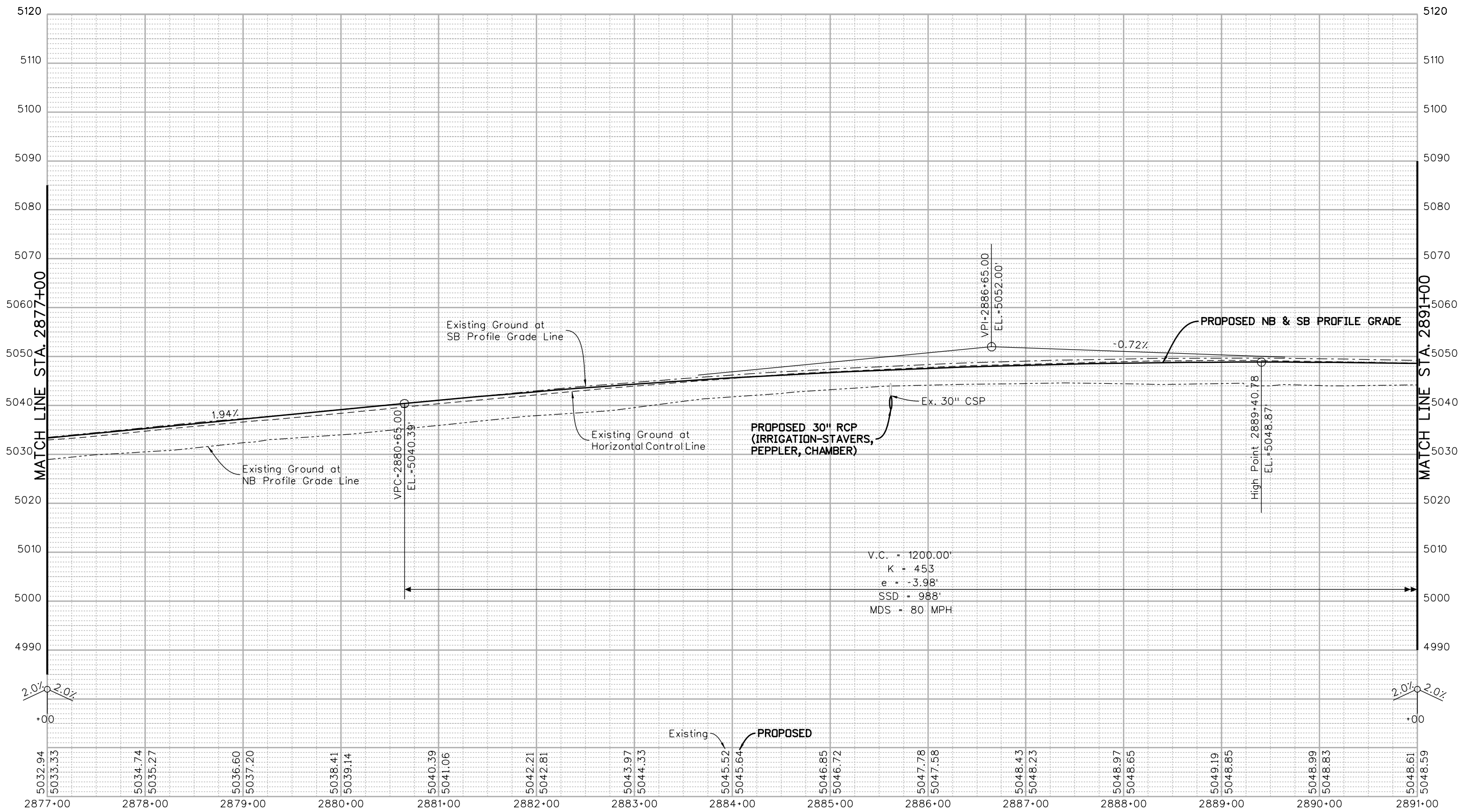
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Project No./Code
IM 0253-220
18319
Sheet Number 108

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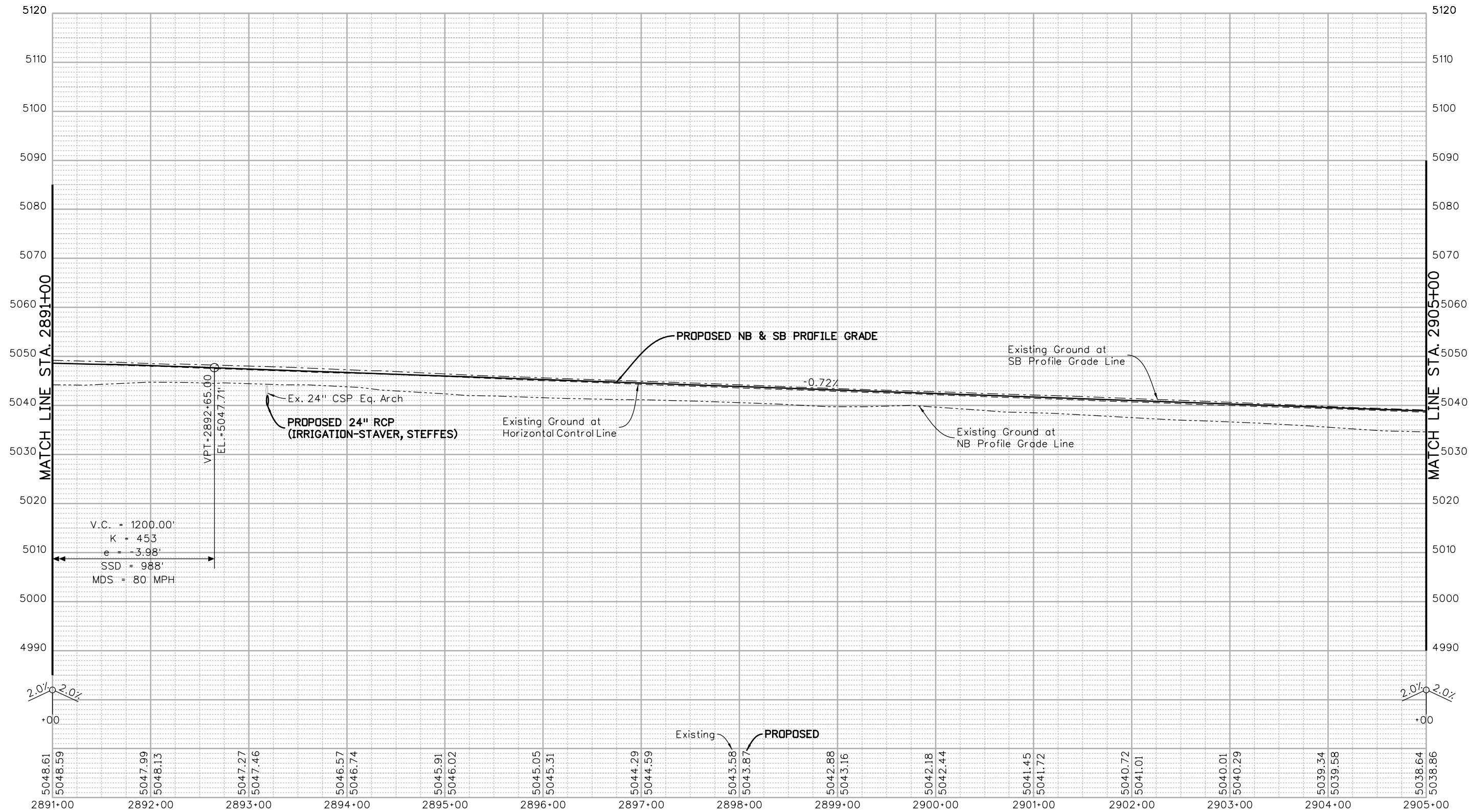
 Region 4
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
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Project No./Code	IM 0253-220
	18319
Sheet Number	109

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Sheet Revisions		
Date:	Comments	Init.
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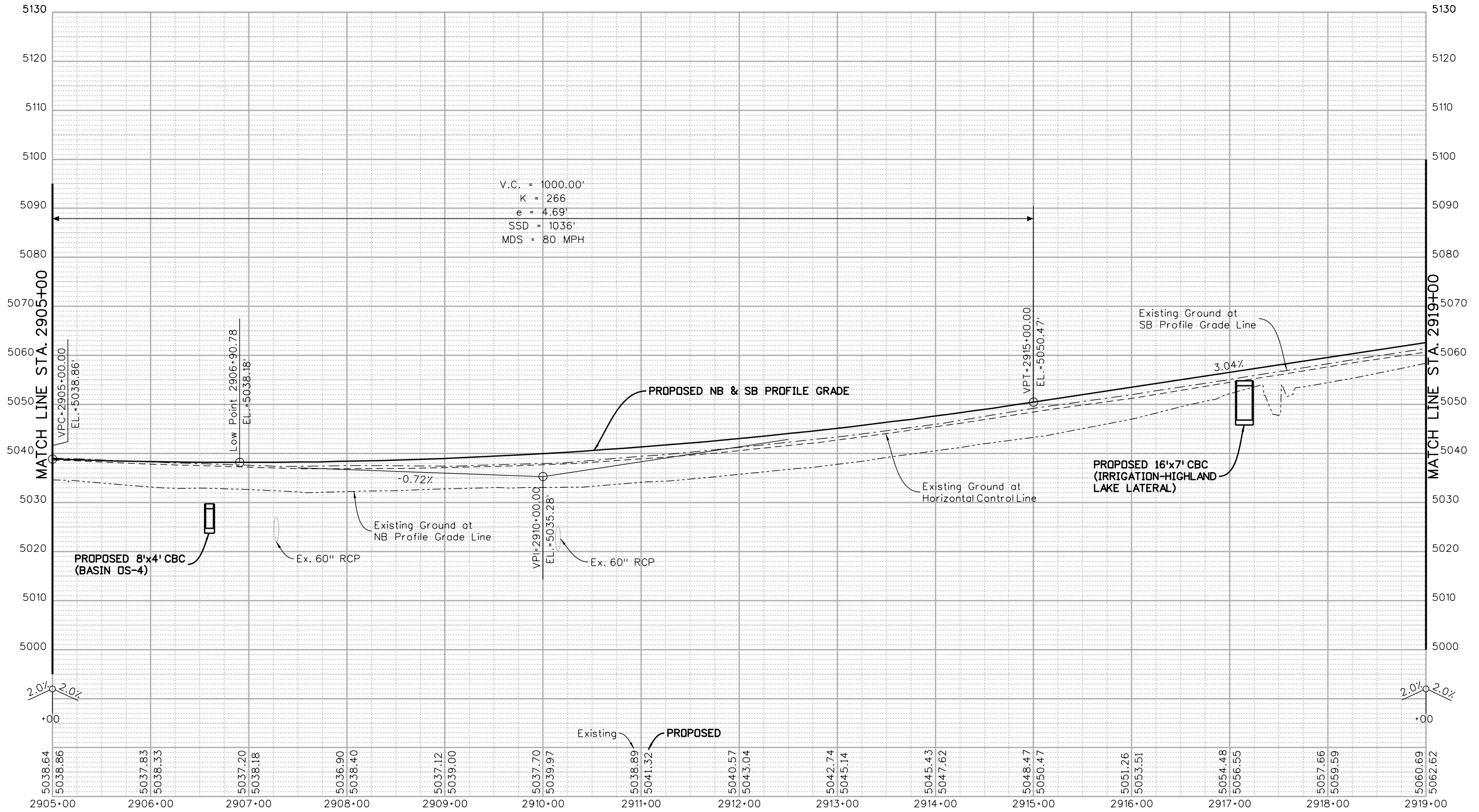
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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Project No./Code	IM 0253-220
	18319
Sheet Number	110

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Sheet Revisions		
Date:	Comments	Init.
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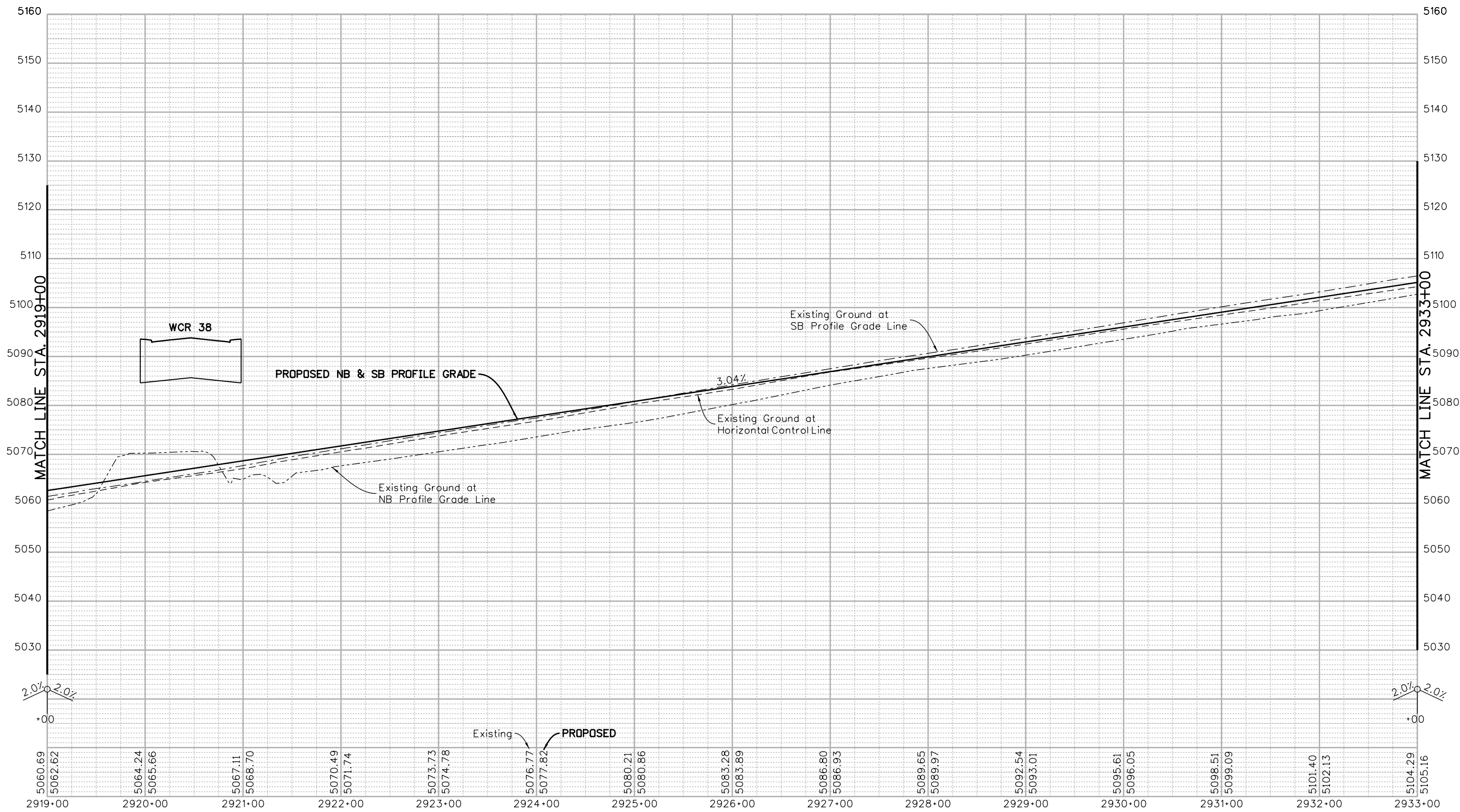
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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 JFF

As Constructed
No Revisions:
Revised:
Void:

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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 111

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Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

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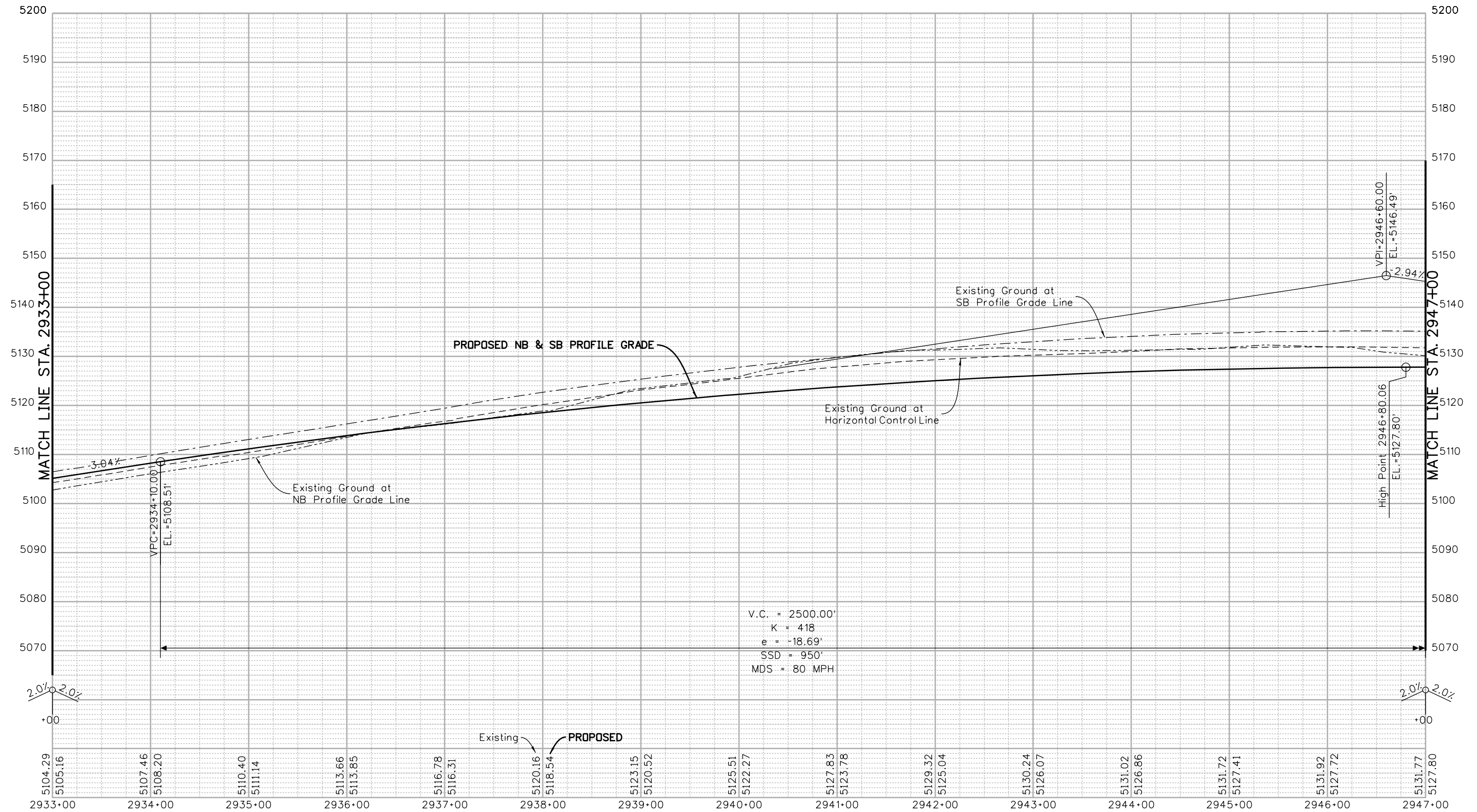
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Project No./Code
IM 0253-220
18319
Sheet Number 112

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Sheet Revisions		
Date:	Comments	Init.

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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

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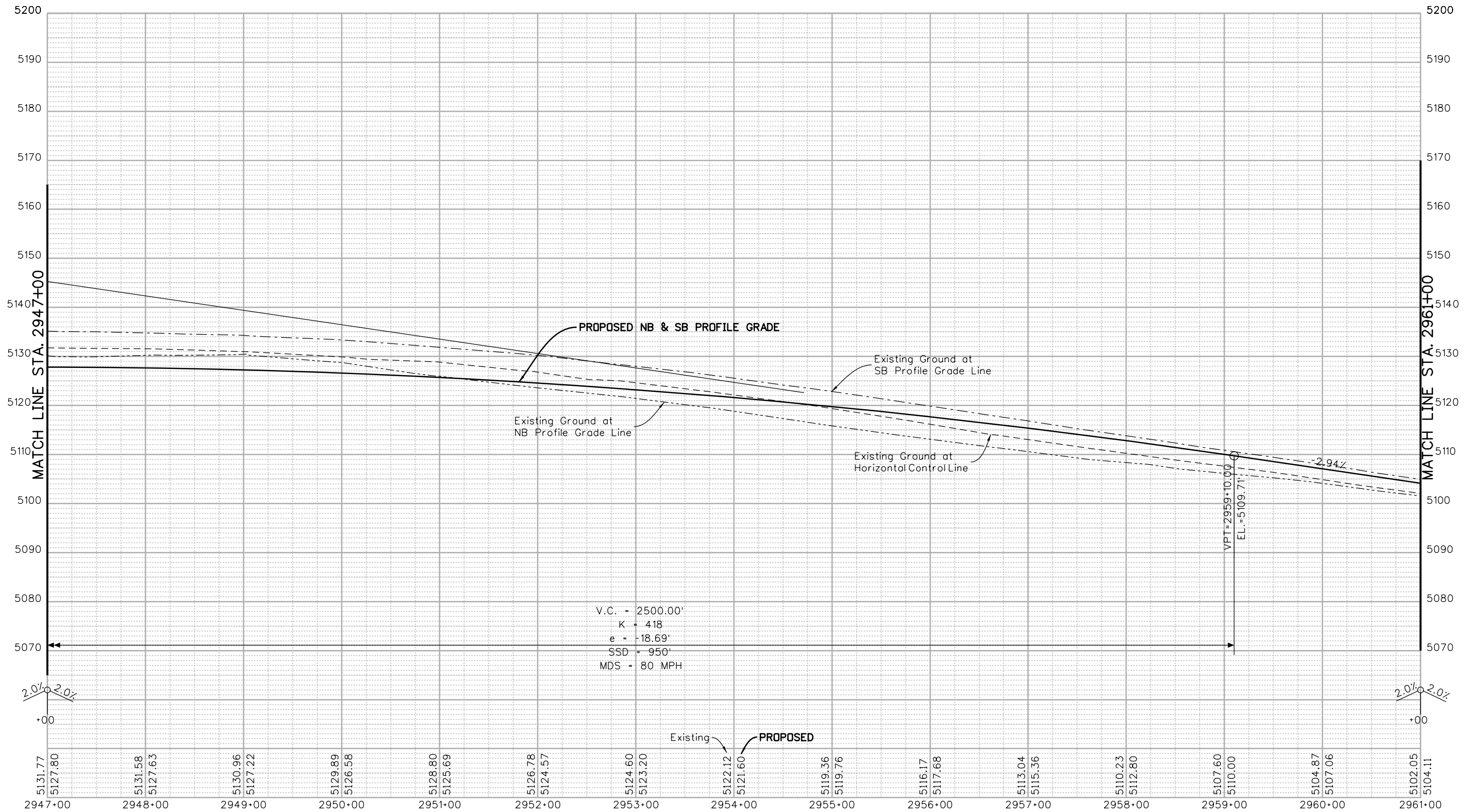
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Sheet Number	113

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Date:	Comments	Init.
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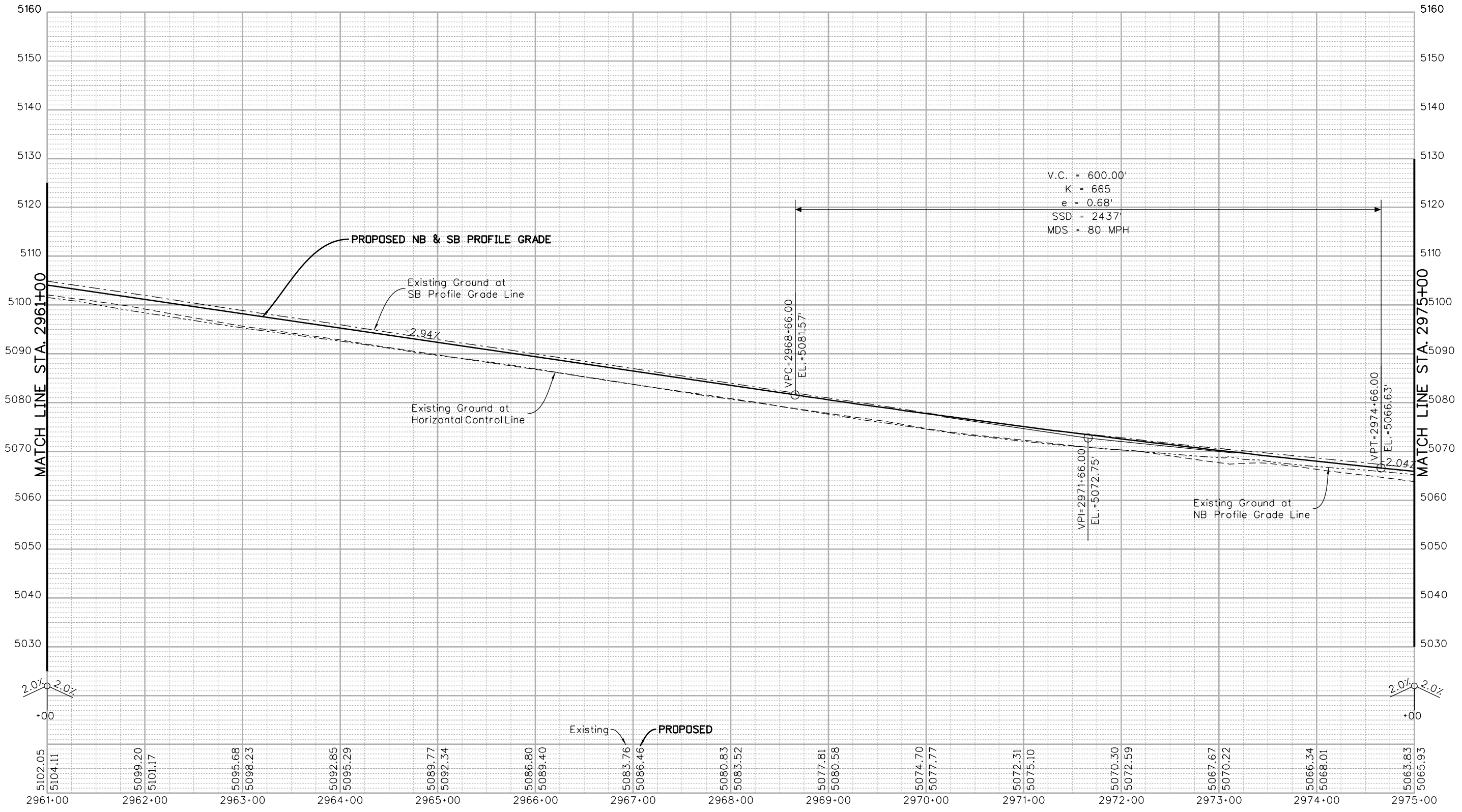
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I-25 PROFILE	
STA. 2947+00 TO STA. 2961+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: PROFILE	Subset Sheets: 16 of 28

Project No./Code
IM 0253-220
18319
Sheet Number 114

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 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
 CONSULTING ENGINEERS
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Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
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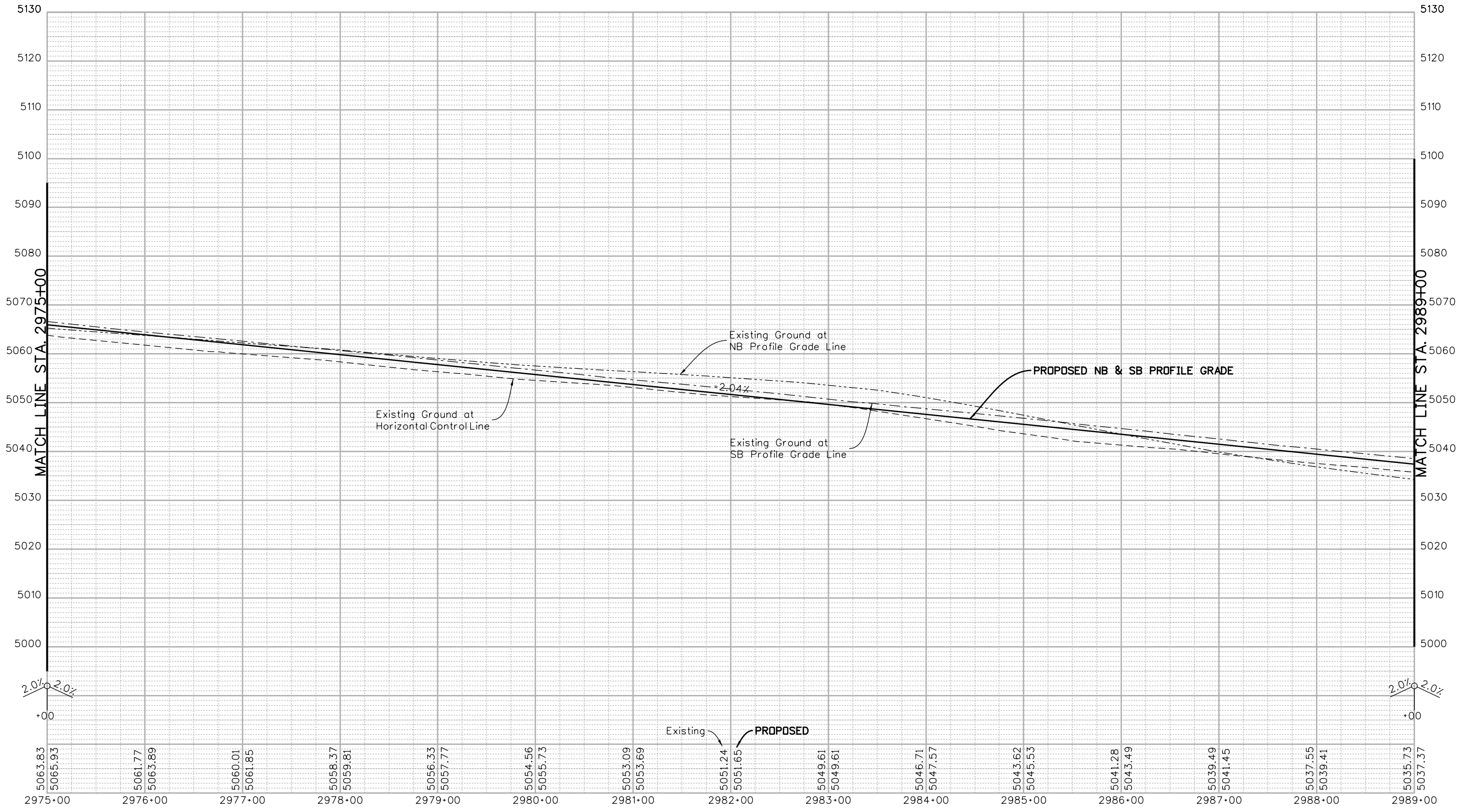
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STA. 2961+00 TO STA. 2975+00

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Project No./Code
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 18319
Sheet Number 115

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MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation



2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

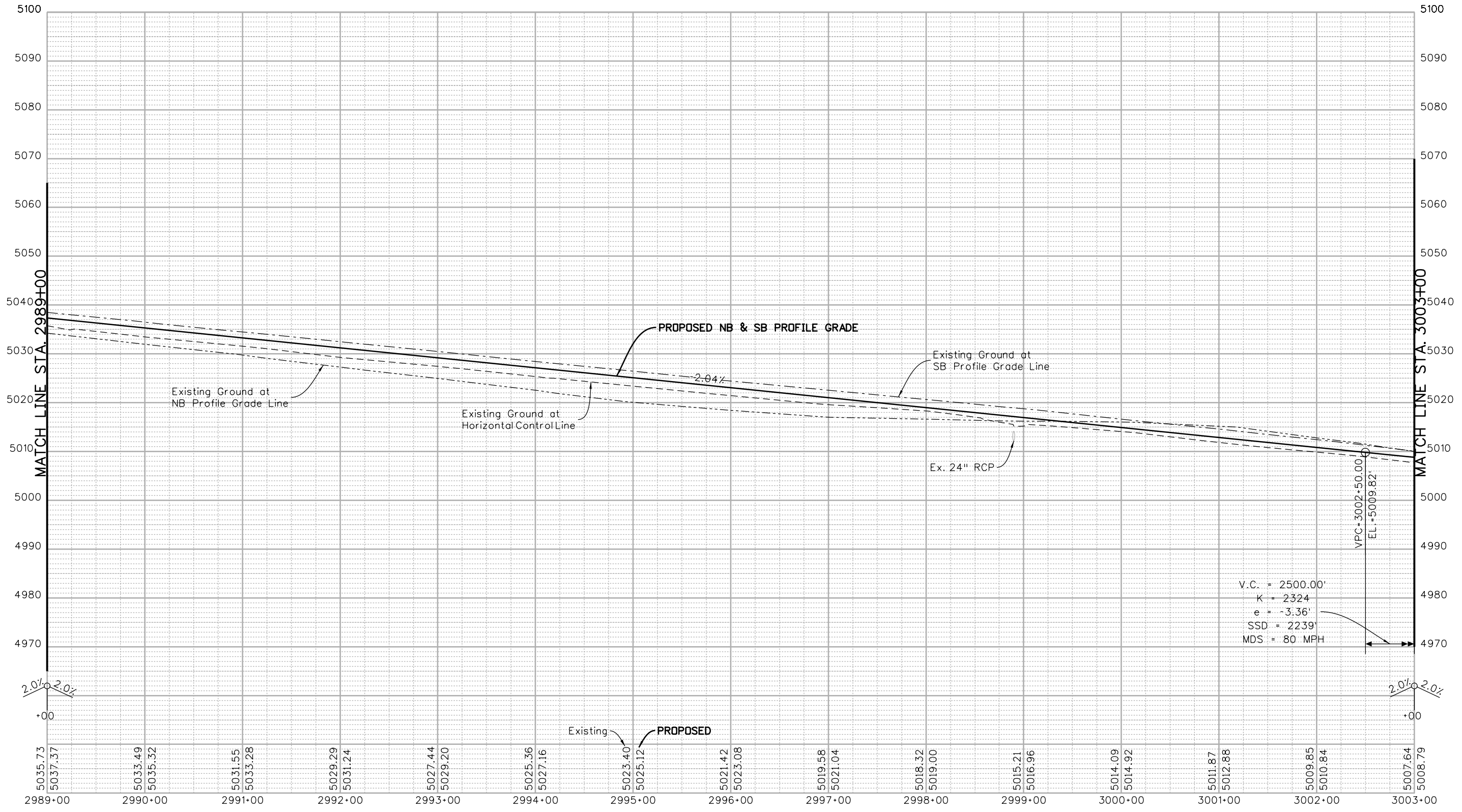
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	18 of 28

Project No./Code
IM 0253-220
18319
Sheet Number 116

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Existing PROPOSED

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 K = 2324
 e = -3.36'
 SSD = 2239'
 MDS = 80 MPH

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 EL.=5009.82

Print Date: 3/5/2015
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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 2207 East Highway 402
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 Phone: 970-622-1268 FAX: 970-669-0289
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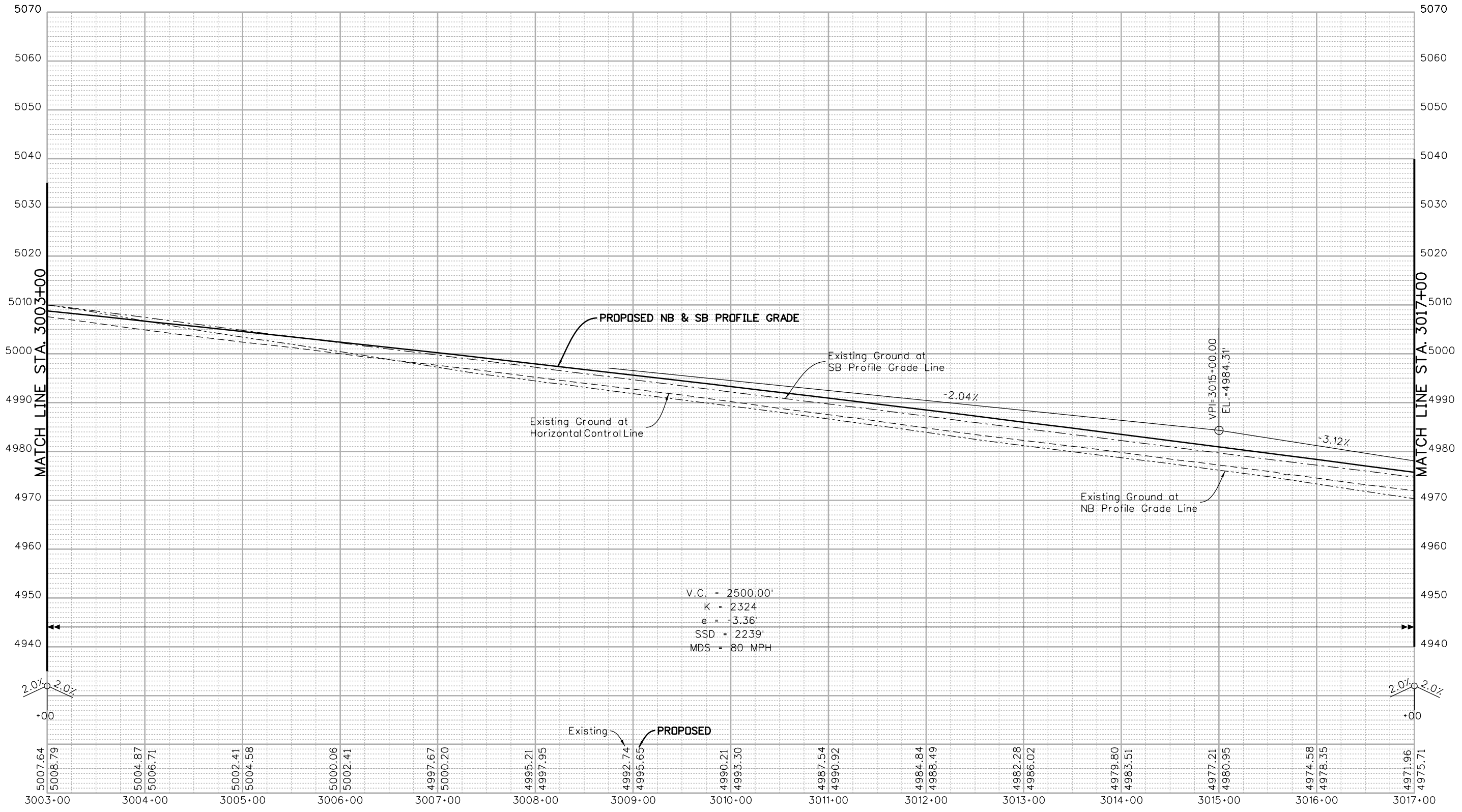
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 Detailer: MAW
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Project No./Code
 IM 0253-220
 18319
 Sheet Number 117

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V.C. = 2500.00'
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 MDS = 80 MPH

Existing PROPOSED

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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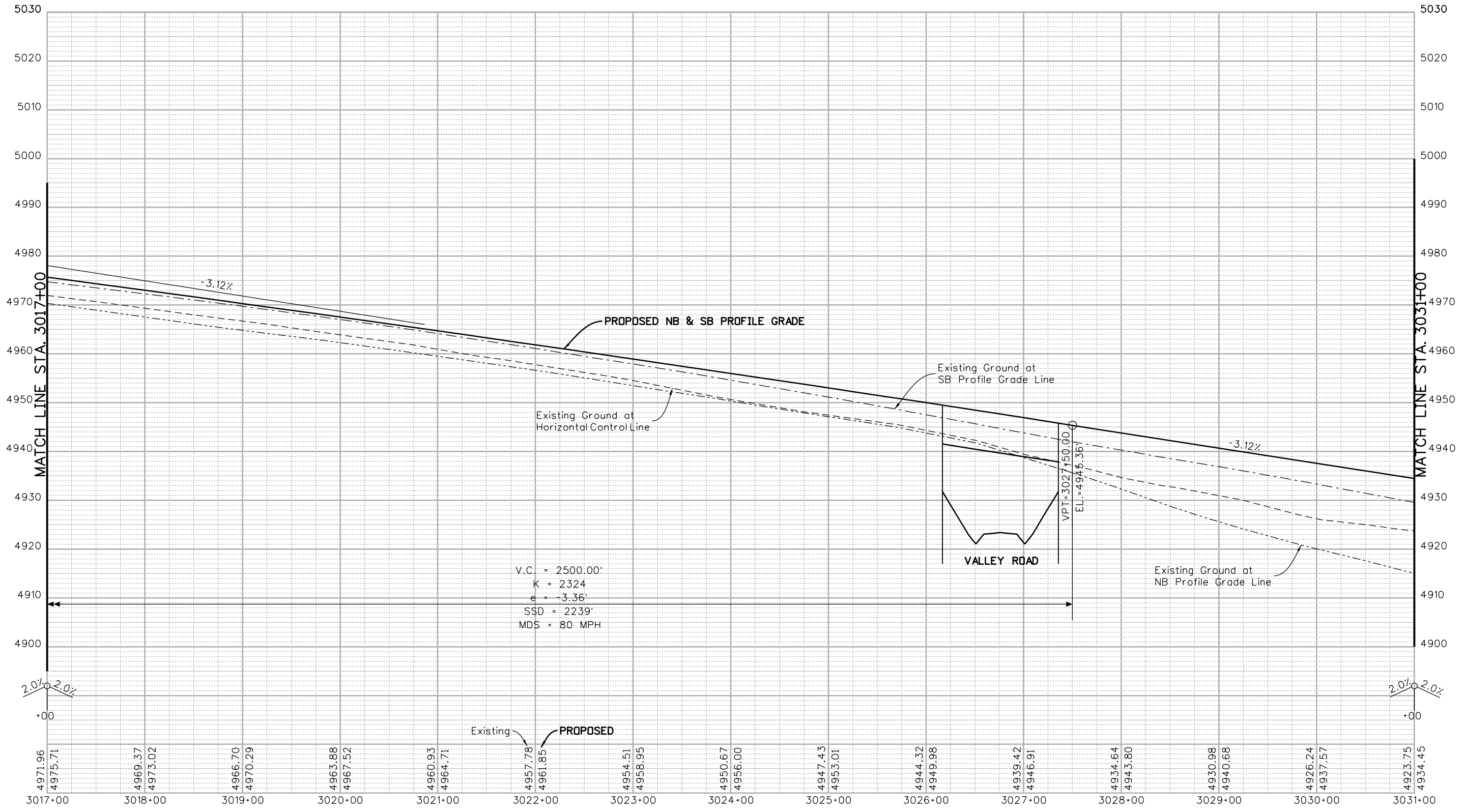
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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 118

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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100
 CONSULTING ENGINEERS Lakewood, CO 80226
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Sheet Revisions		
Date:	Comments	Init.
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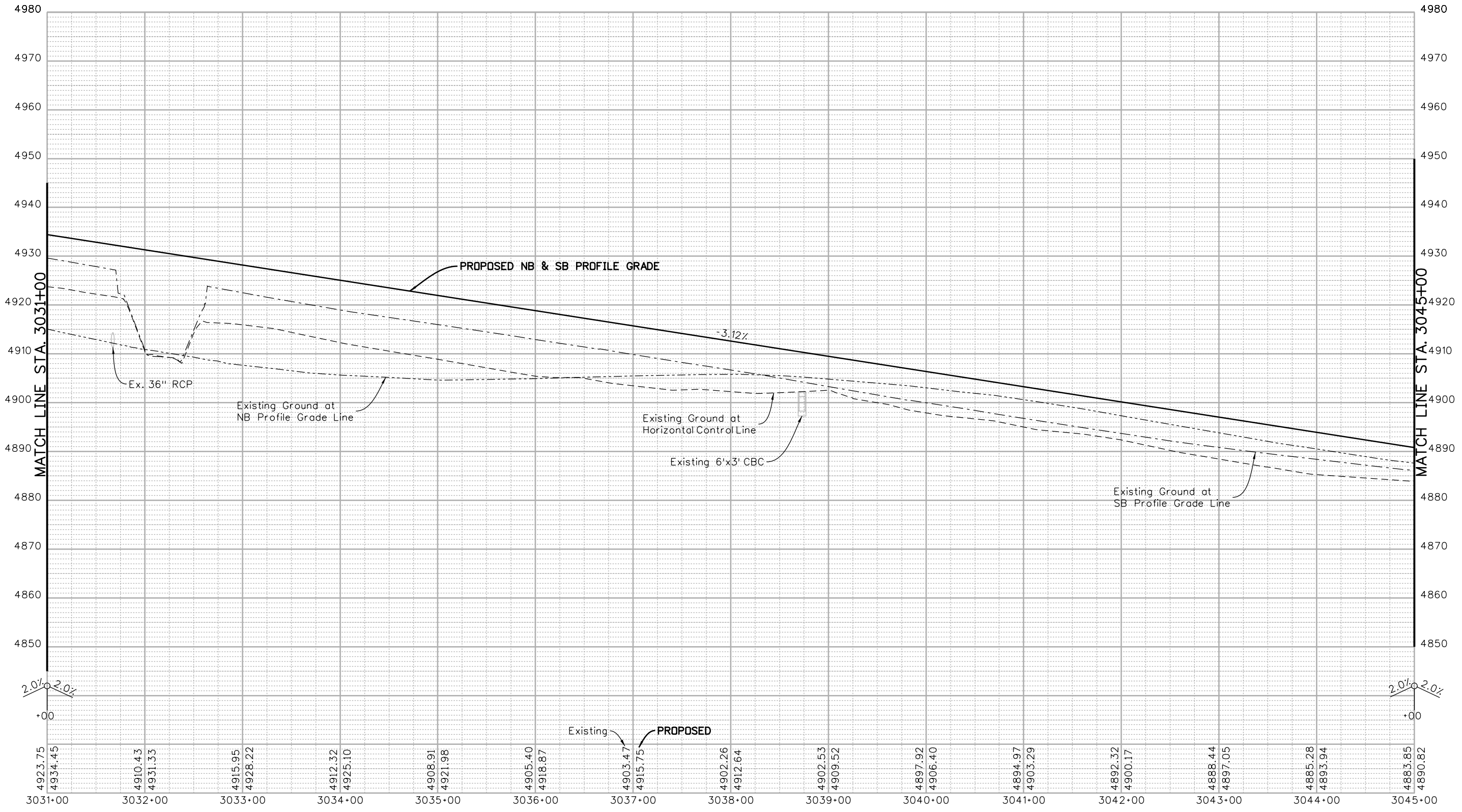
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
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Project No./Code
 IM 0253-220
 18319
 Sheet Number **119**

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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd. Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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2207 East Highway 402
Loveland, CO 80537
Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

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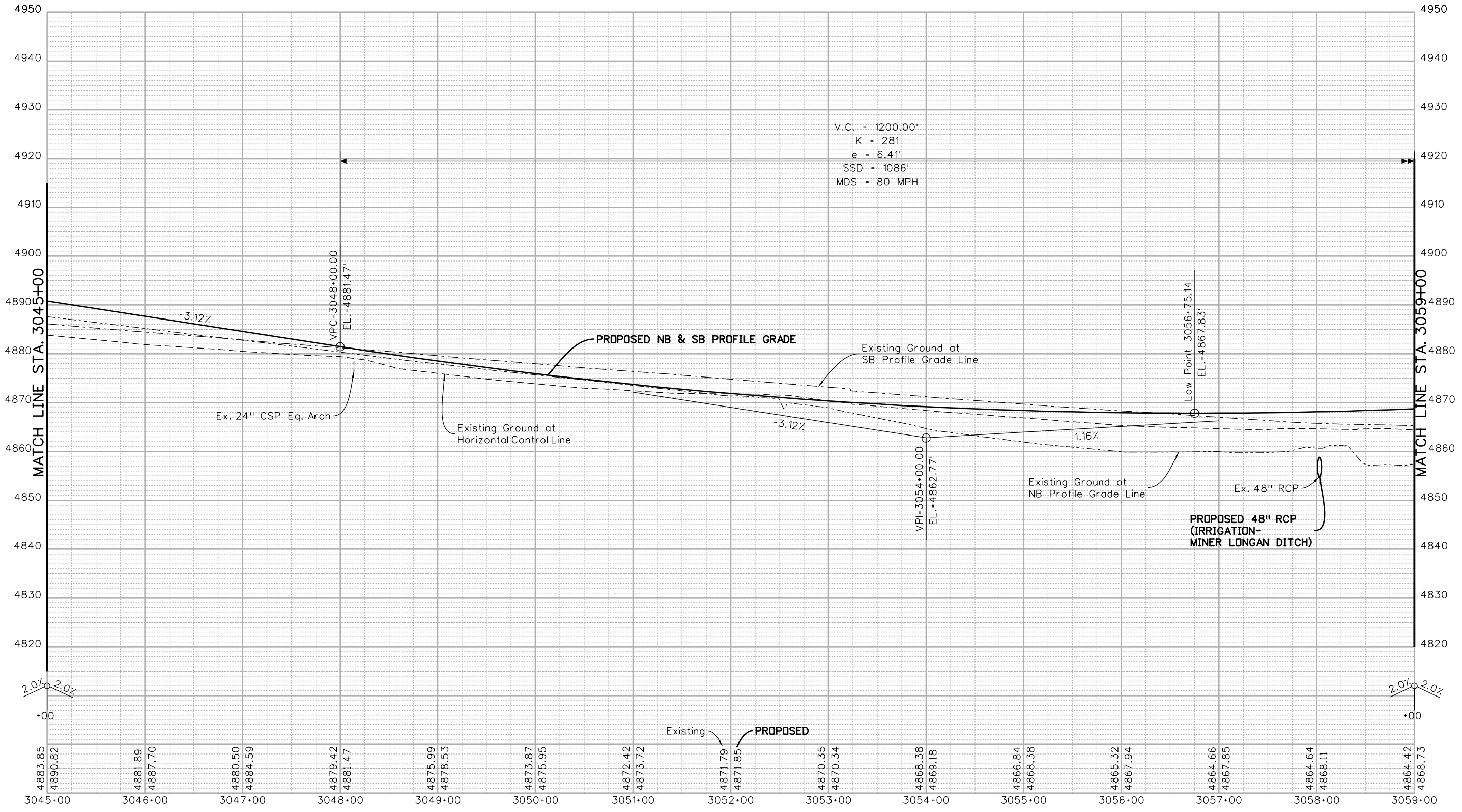
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Project No./Code
IM 0253-220
18319
Sheet Number 120

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V.C. = 1200.00'
 K = 281
 e = 6.41'
 SSD = 1086'
 MDS = 80 MPH


Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation

 Region 4
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 JFF

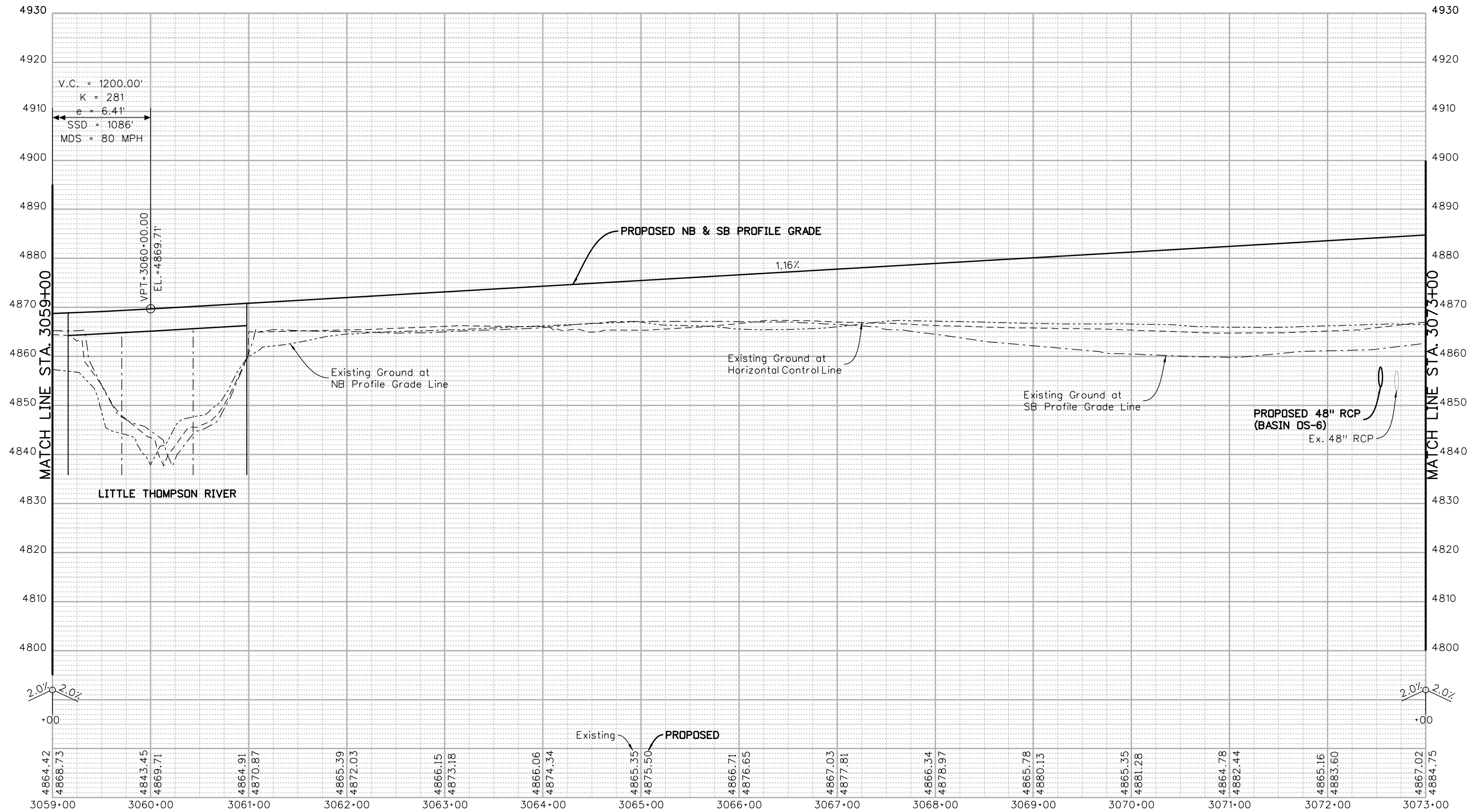
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Detailer:	MAW	Sheet Subset:	PROFILE
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Project No./Code	IM 0253-220
	18319
Sheet Number	121

Print Date: 3/5/2015
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 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 777 S. Wadsworth Blvd.
 #4 - 100
 Lakewood, CO 80226
 303-988-4939

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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P: 12-003.01/18319/Design/ 303-988-4939	

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Date:	Comments	Init.
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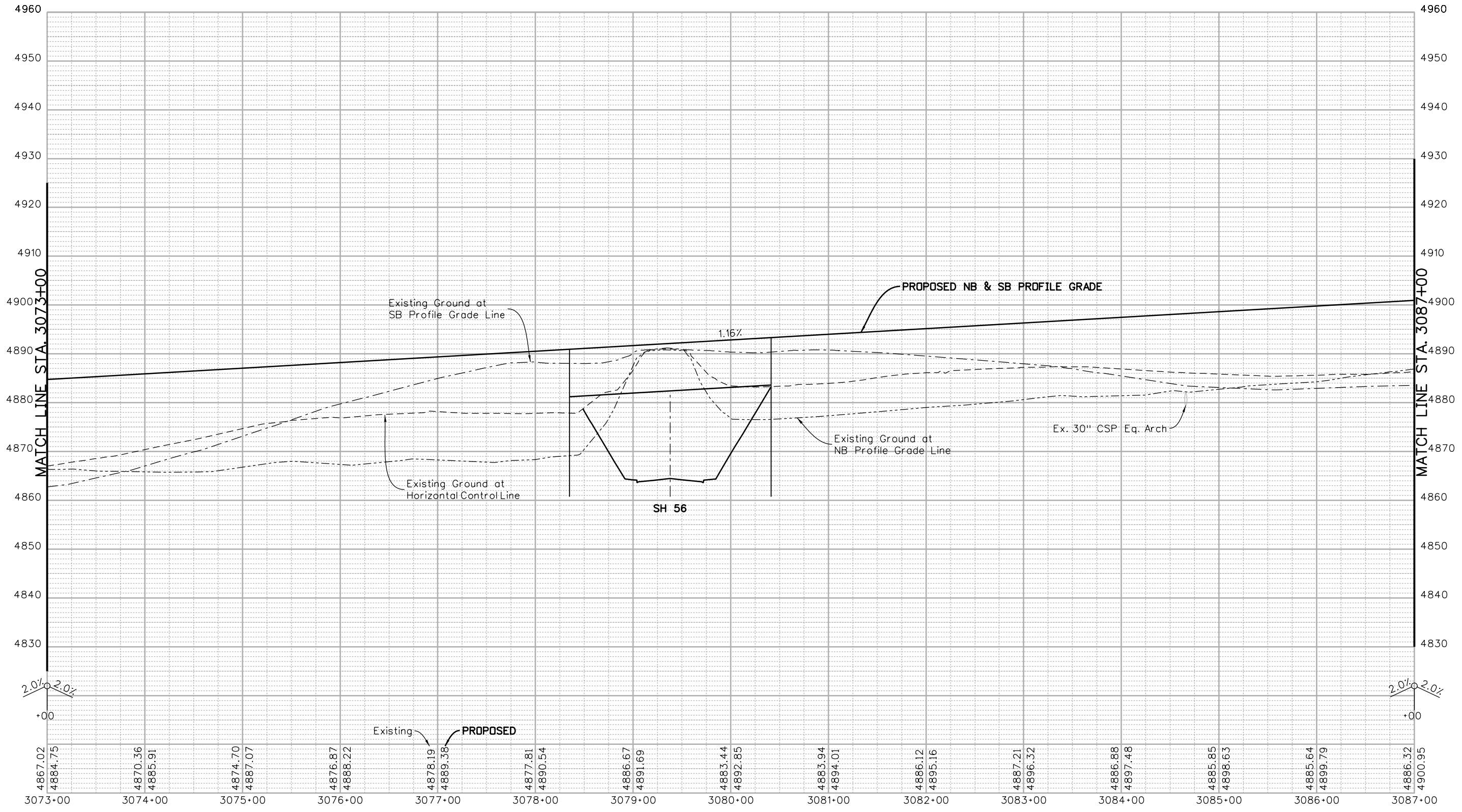
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 122

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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 CONSULTING ENGINEERS Lakewood, CO 80226 P:\12-003.01\18319\Design\ 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
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 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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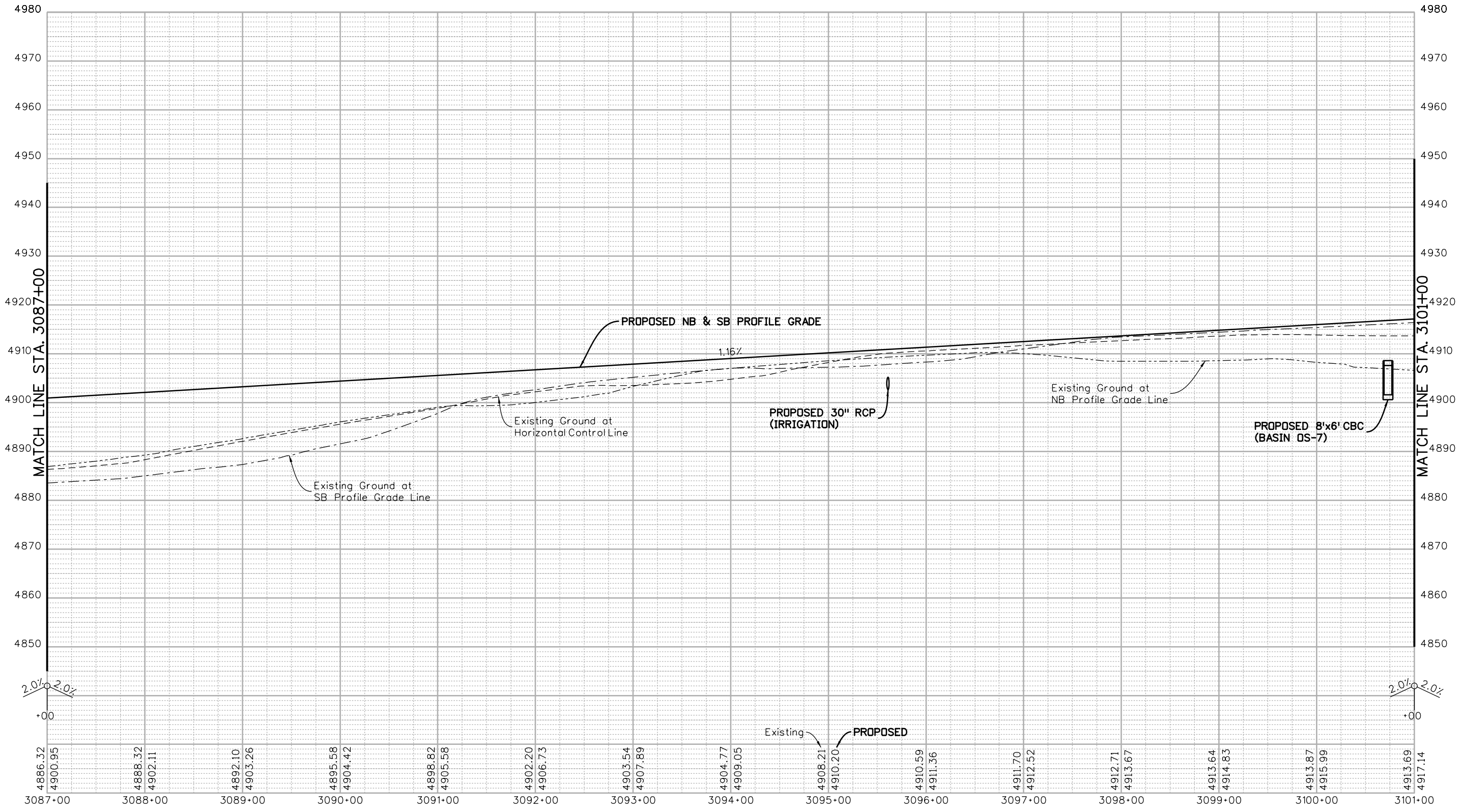
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Project No./Code
IM 0253-220
18319
Sheet Number 123

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 CONSULTING ENGINEERS #4 - 100
 Lakewood, CO 80226
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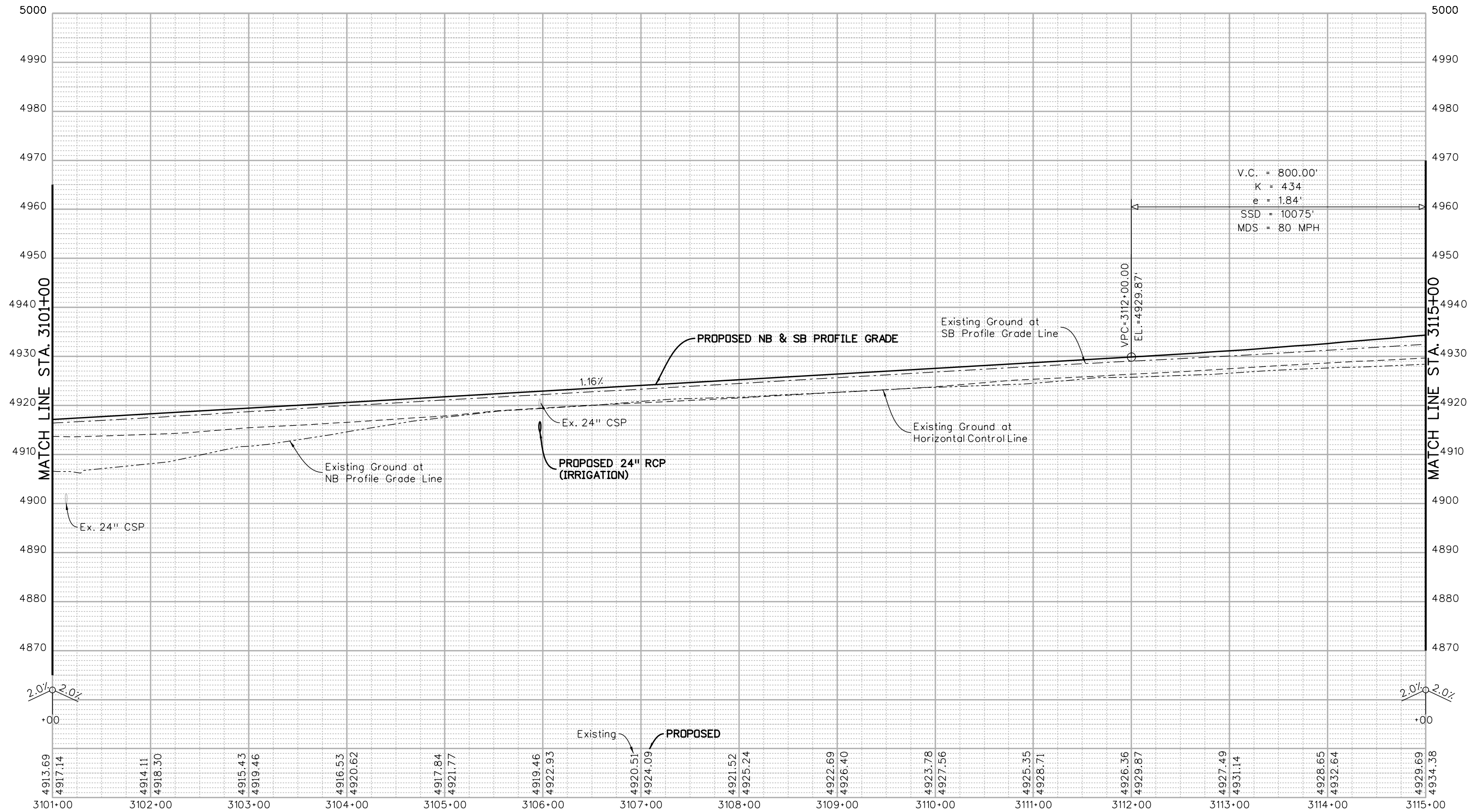
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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STA. 3087+00 TO STA. 3101+00
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Project No./Code
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 18319
Sheet Number 124

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Sheet Revisions		
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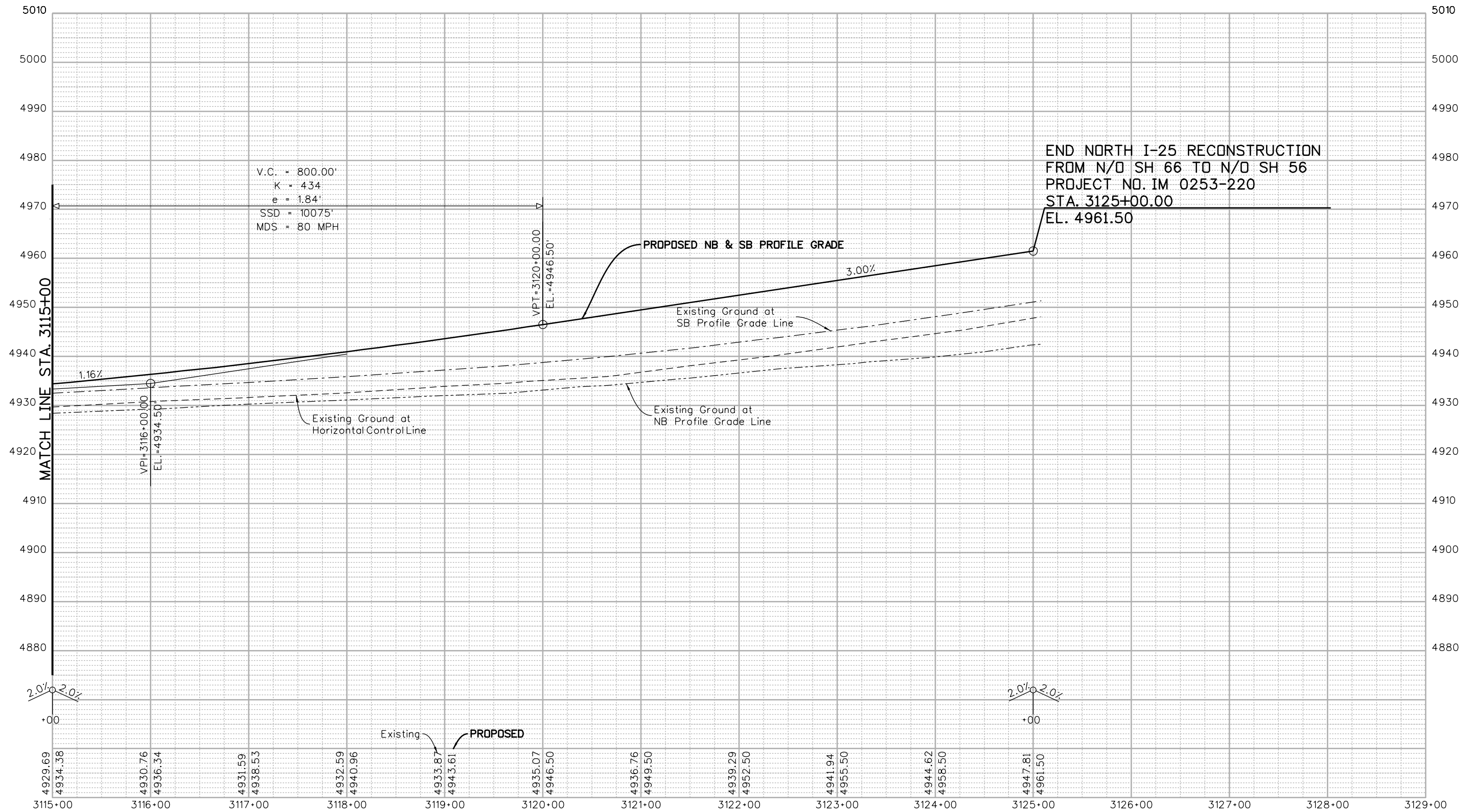
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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
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 Region 4 JFF

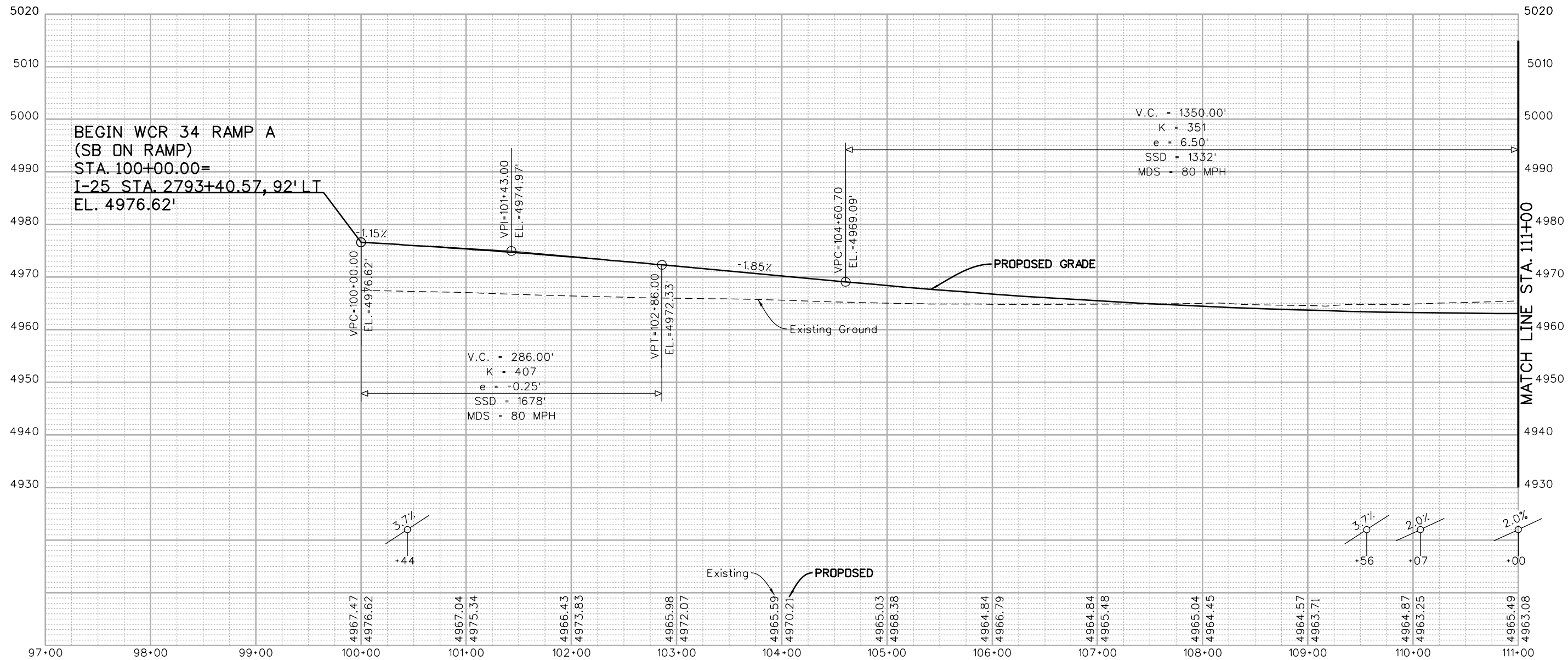
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Detailer: MAW	
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Project No./Code	IM 0253-220
	18319
Sheet Number	126

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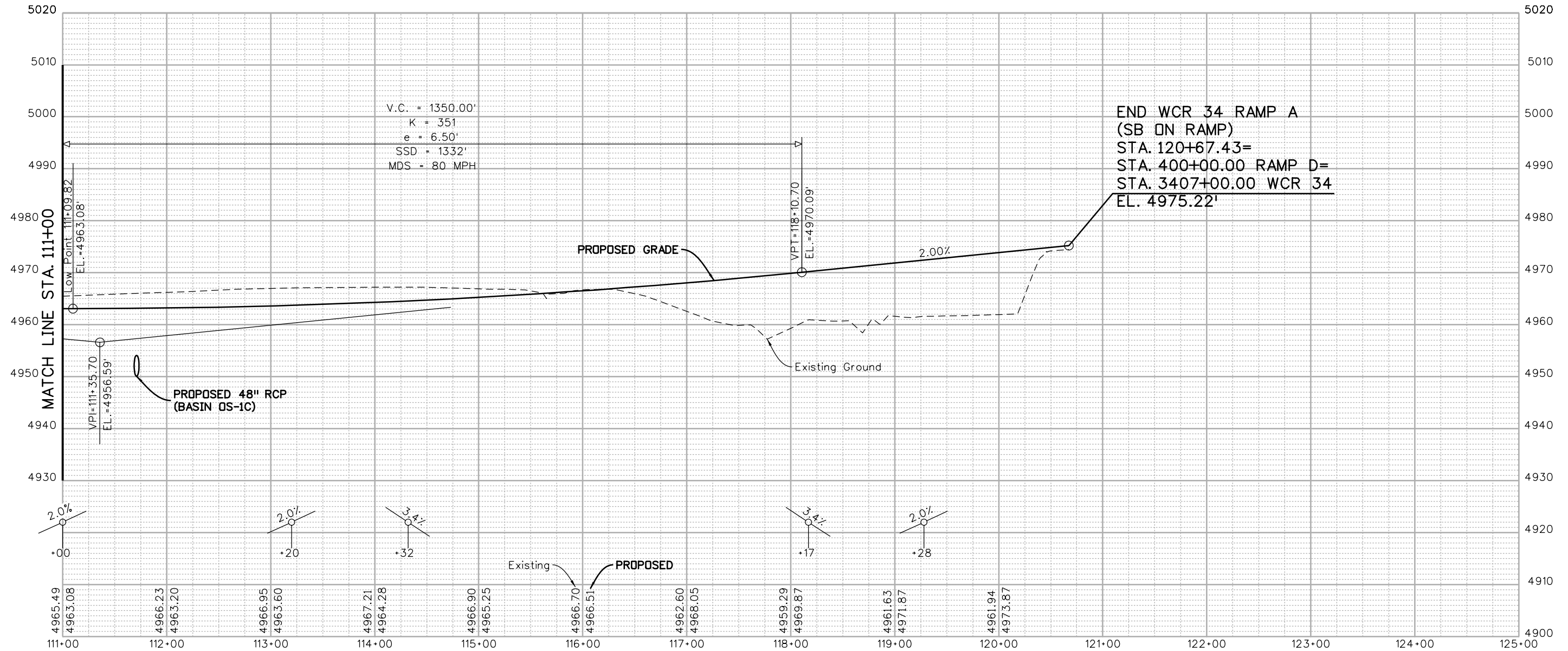
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Project No./Code
IM 0253-220
18319
Sheet Number 127

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Sheet Revisions	
Date:	Comments

Colorado Department of Transportation

2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

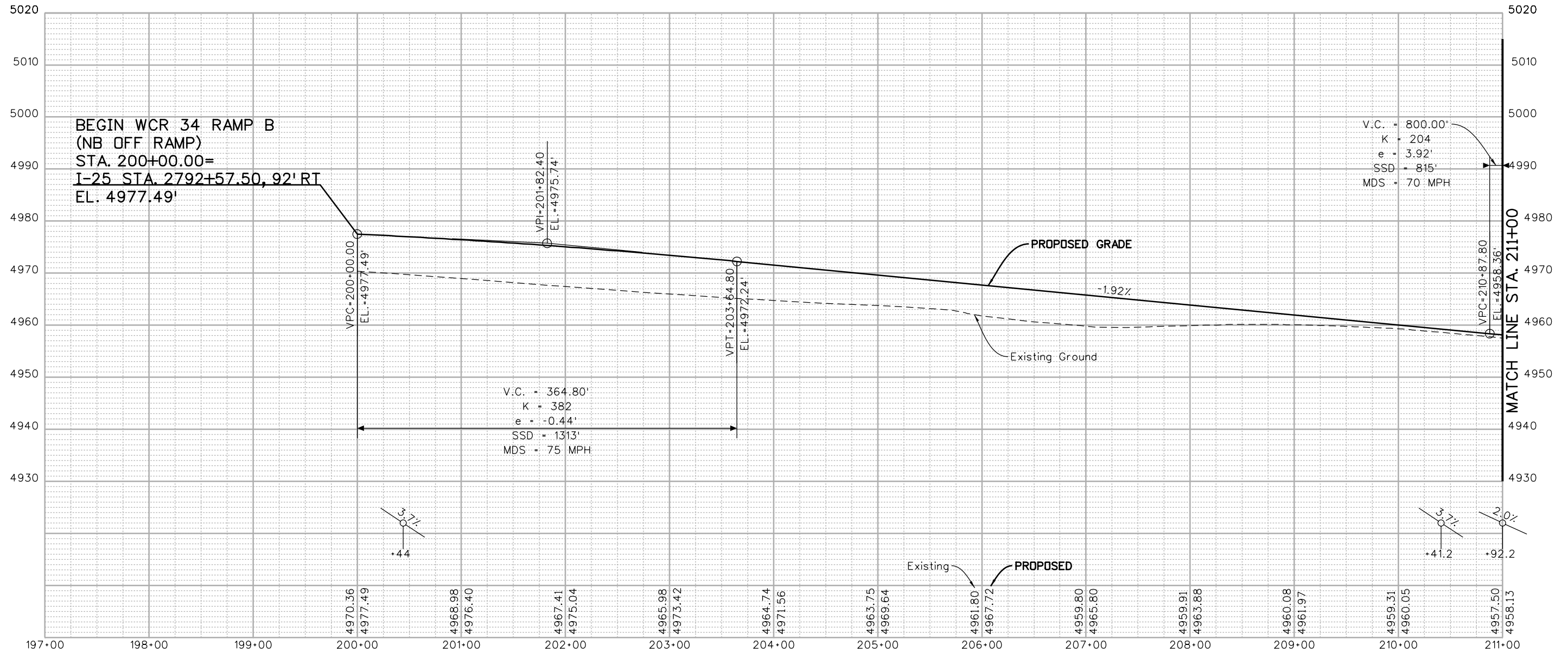
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Detailer: MAW	
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Project No./Code
IM 0253-220
18319
Sheet Number 128

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Date:	Comments	Init.
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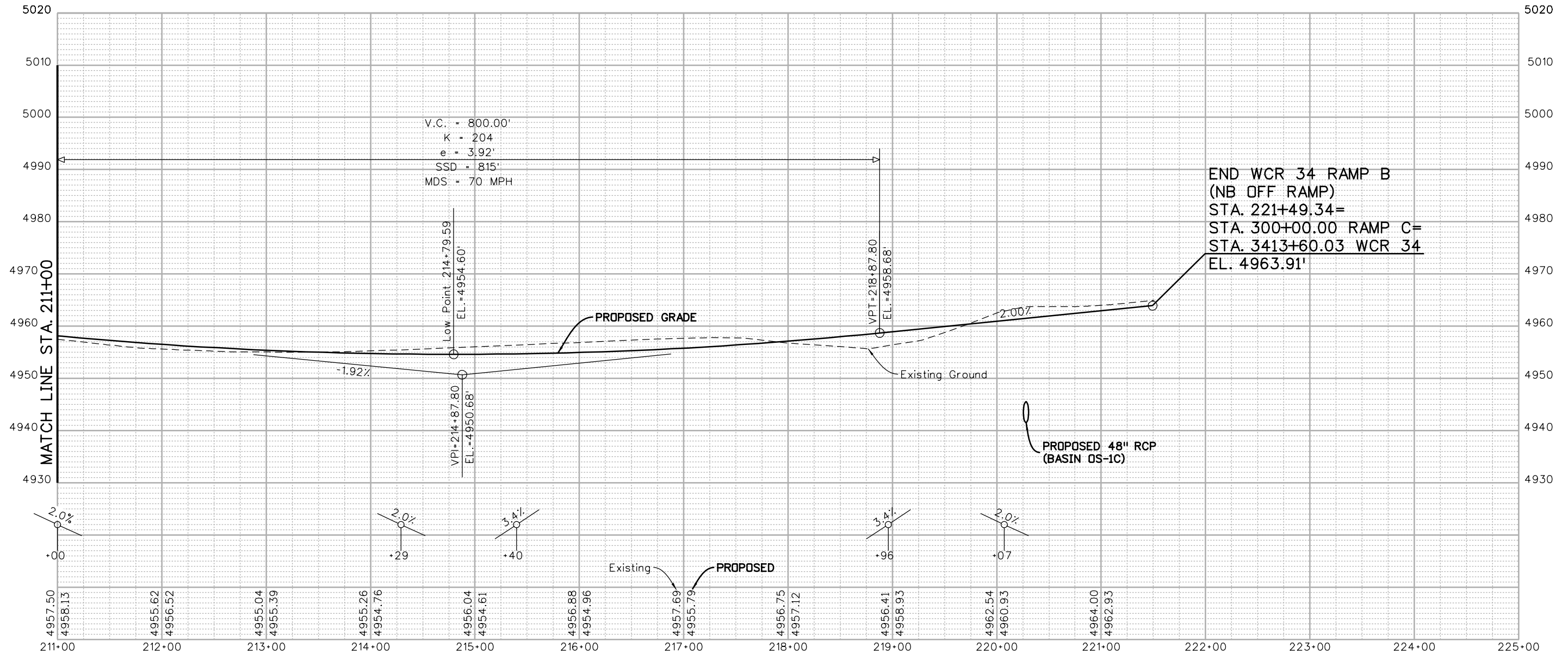
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 Region 4 JFF

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Project No./Code
IM 0253-220
18319
Sheet Number 129

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Sheet Revisions		
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2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

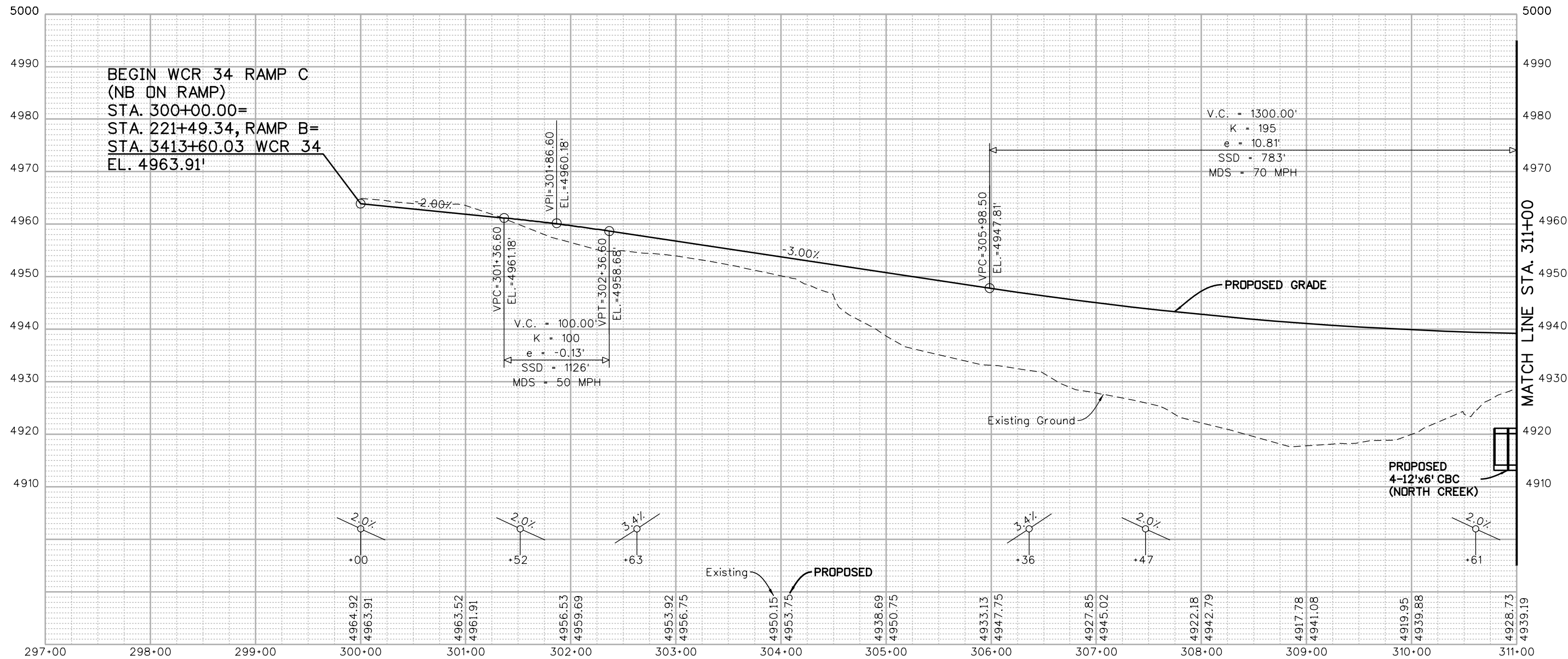
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	4 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 130

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Drawing File Name: 18319DES_WCR 34 Ramps-Prof.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939 <small>CONSULTING ENGINEERS</small>	

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Date:	Comments	Init.

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2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

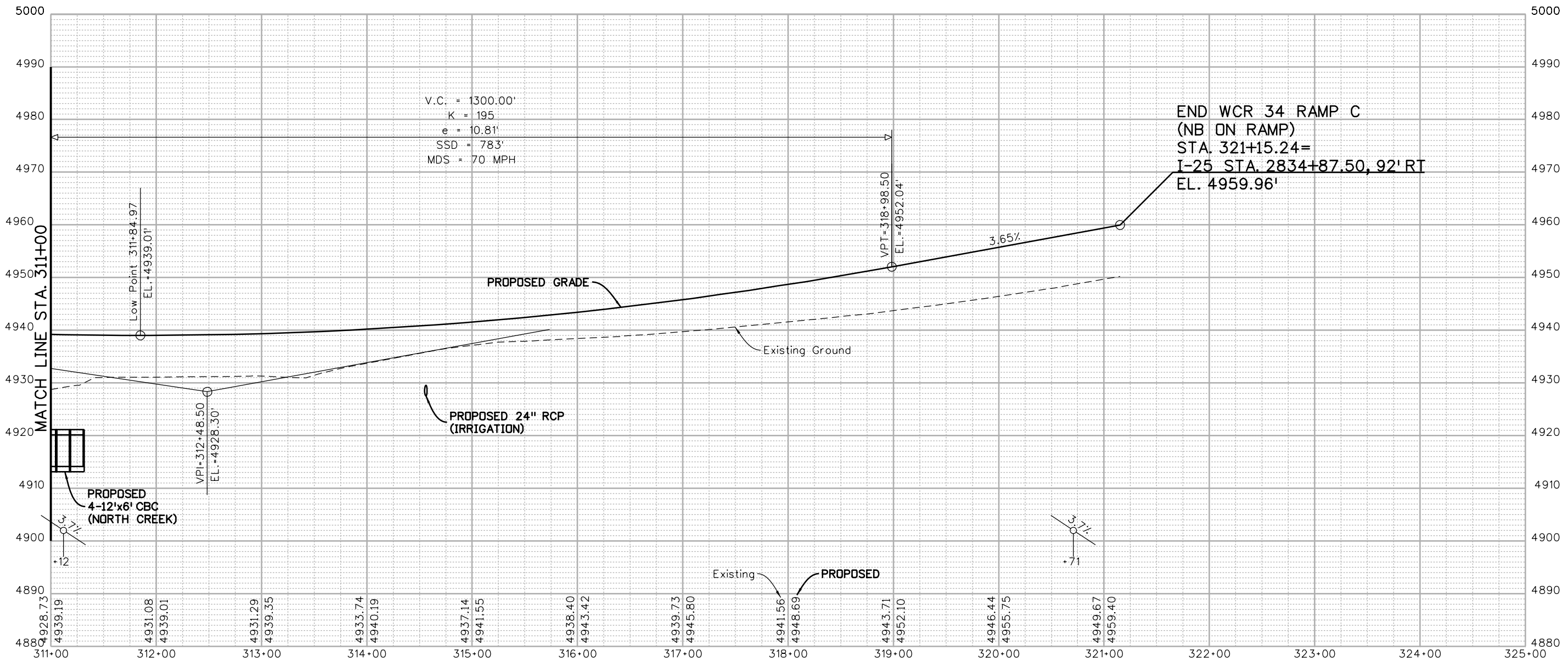
Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
WCR 34 RAMP C PROFILE			
STA. 300+00 TO STA. 311+00			
Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	5 of 8
Sheet Subset:	PROFILE		

Project No./Code	IM 0253-220
	18319
Sheet Number	131

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END WCR 34 RAMP C
 (NB ON RAMP)
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 I-25 STA. 2834+87.50, 92' RT
 EL. 4959.96'

Print Date: 3/5/2015	
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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.
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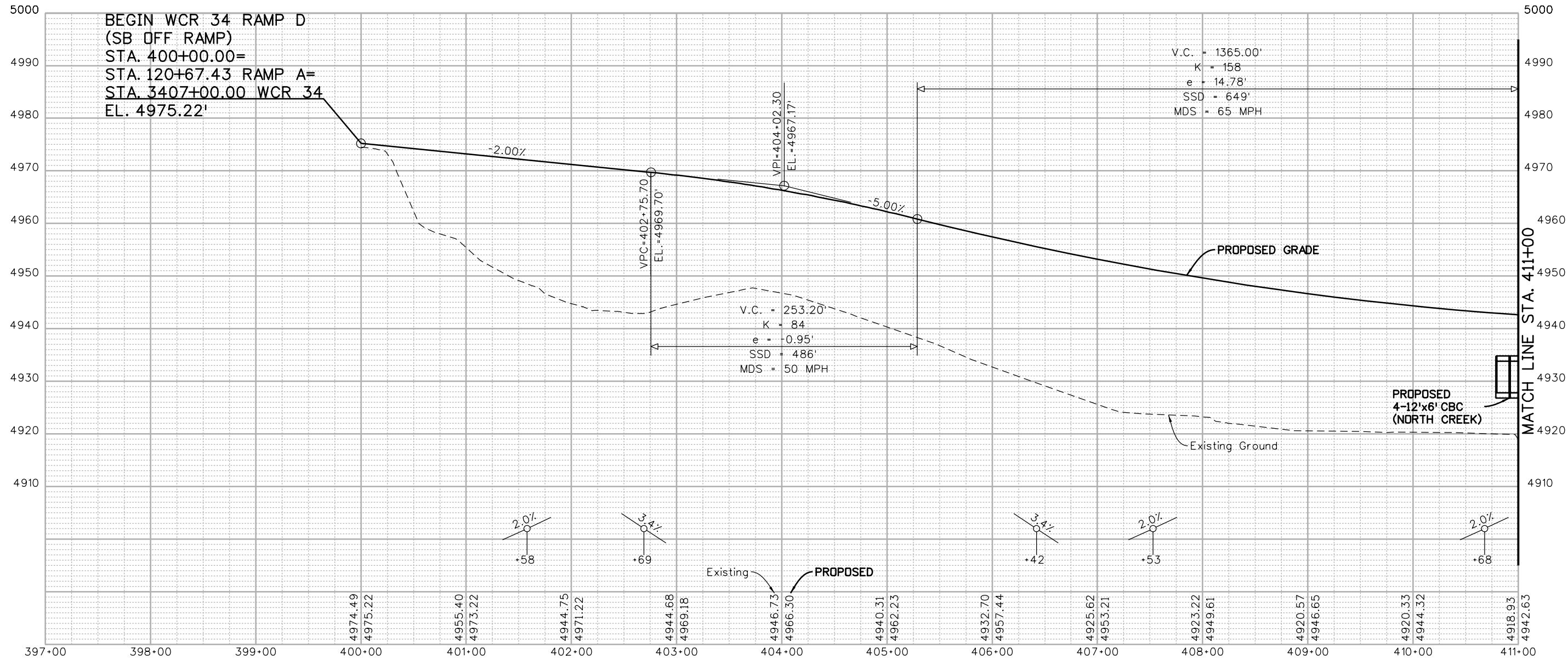
Region 4 JFF

As Constructed	No Revisions:
	Revised:
	Void:

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Designer:	RKZ	Structure Numbers	
Detailer:	MAW		
Sheet Subset:	PROFILE	Subset Sheets:	6 of 8

Project No./Code	IM 0253-220
	18319
Sheet Number	132


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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 CONSULTING ENGINEERS Pz/12-003.01/18319/Design/ 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

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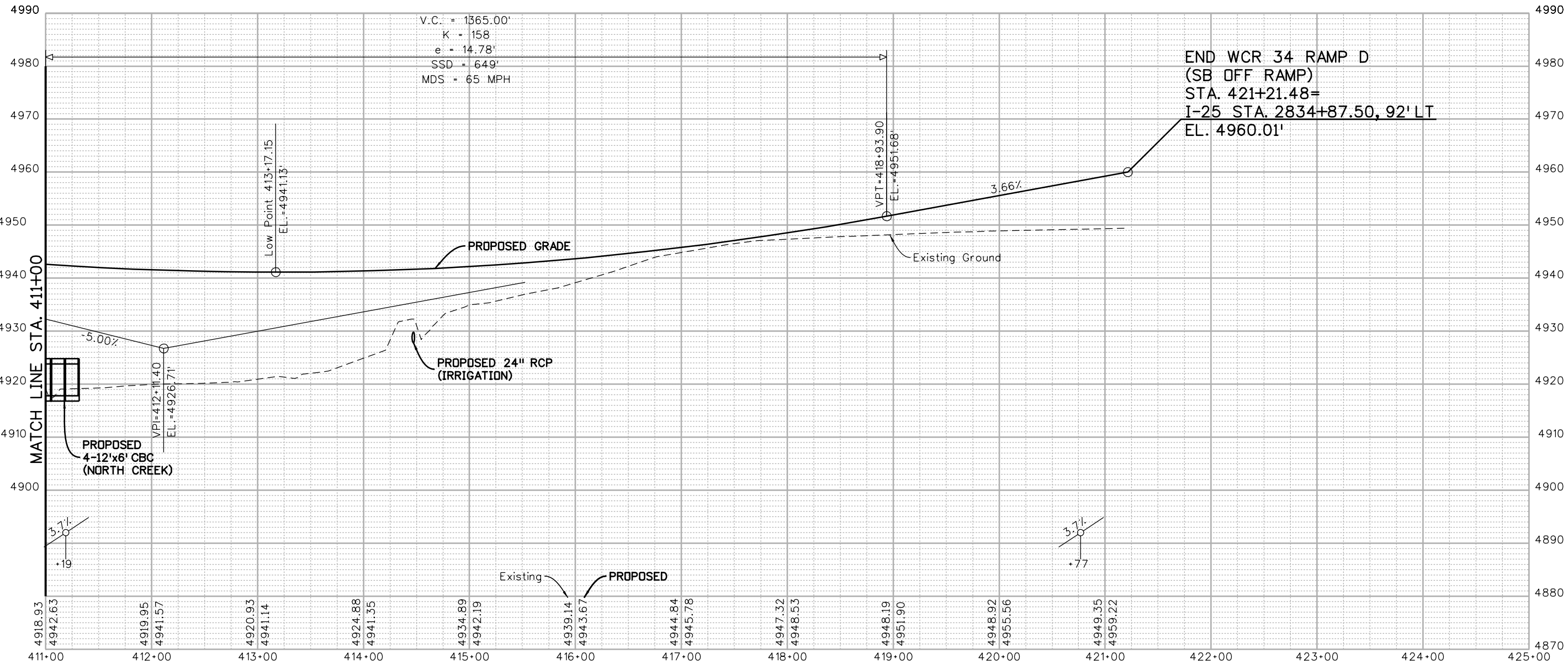
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WCR 34 RAMP D PROFILE			
STA. 400+00 TO STA. 411+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	7 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 133

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

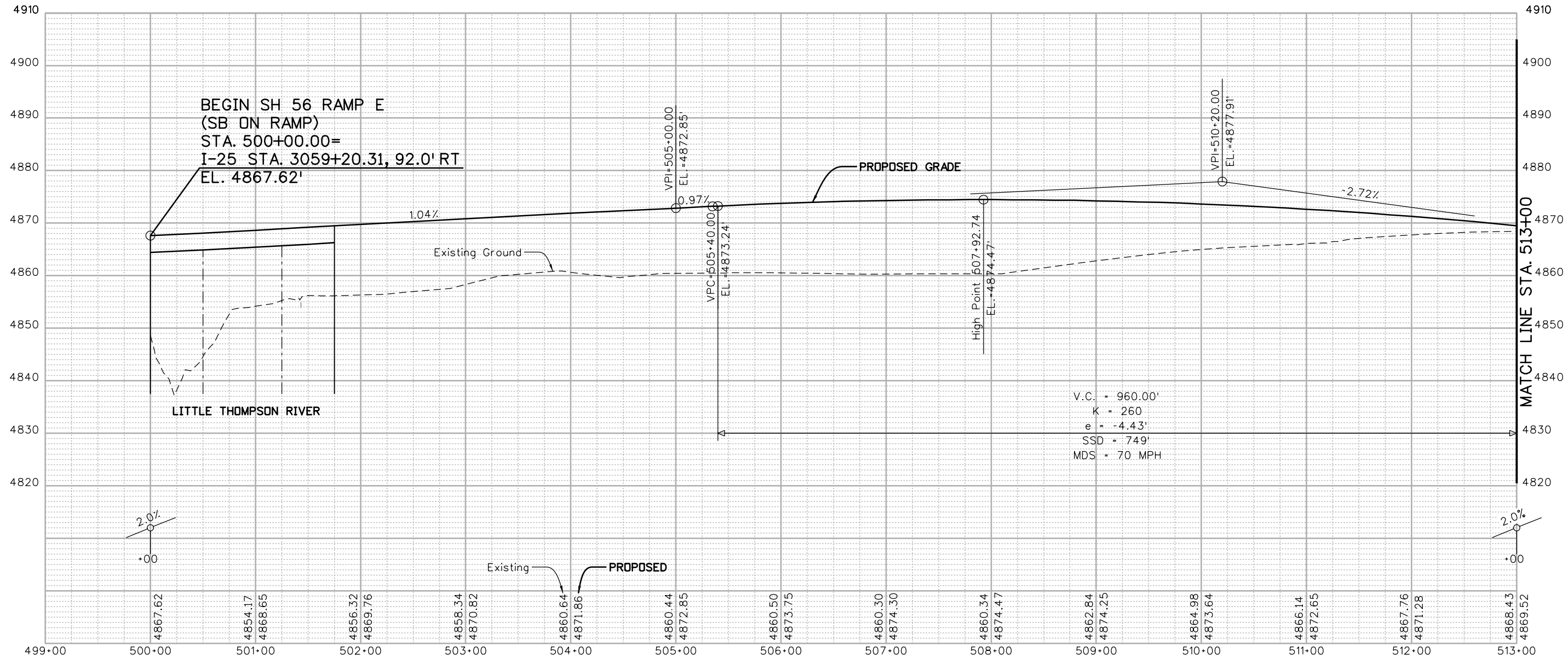
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STA. 411+00 TO STA. 421+21.48			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	8 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 134

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Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

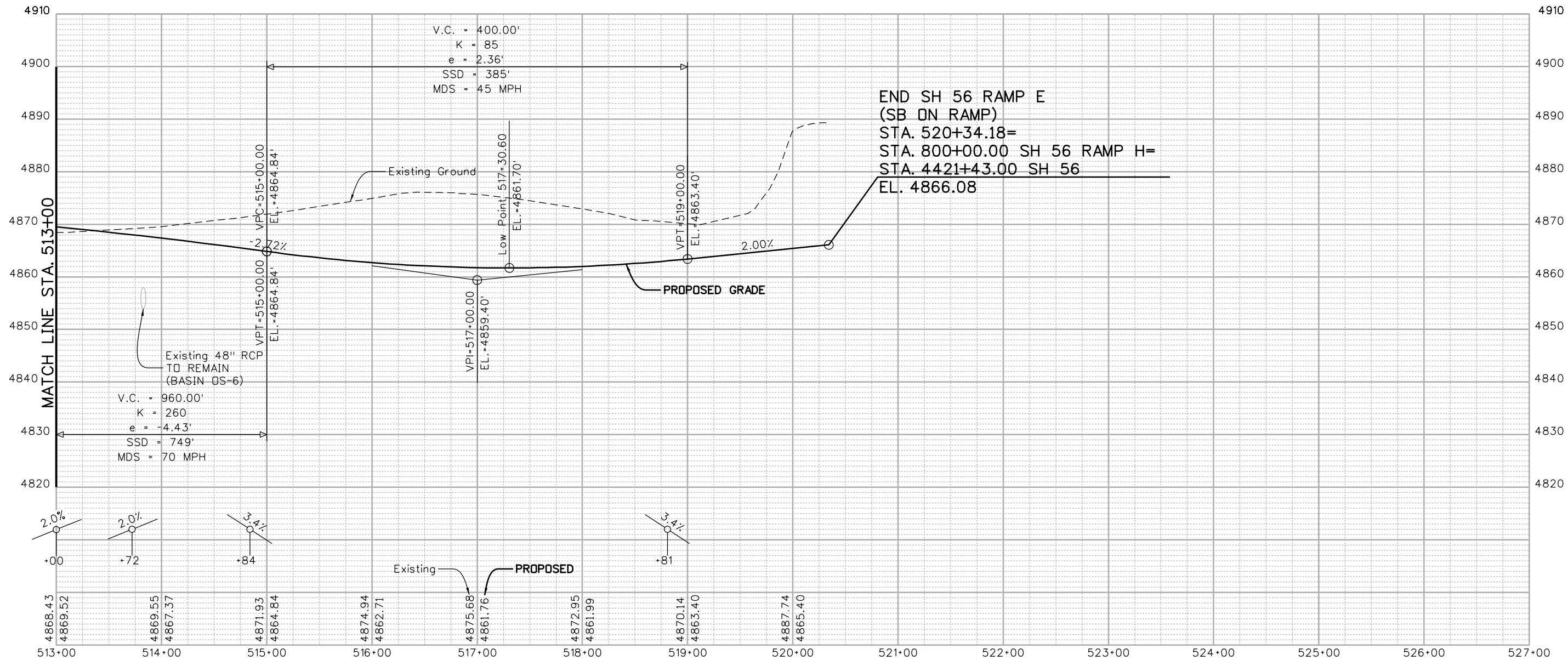
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Revised:	
Void:	

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SH 56 RAMP E PROFILE			
STA. 500+00 TO STA. 513+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	1 of 8

Project No./Code	IM 0253-220
	18319
Sheet Number	135

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END SH 56 RAMP E
 (SB ON RAMP)
 STA. 520+34.18=
 STA. 800+00.00 SH 56 RAMP H=
 STA. 4421+43.00 SH 56
 EL. 4866.08

Print Date: 3/5/2015	
Drawing File Name: 18319DES_SH56 Ramps-Prof.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd., #4-100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

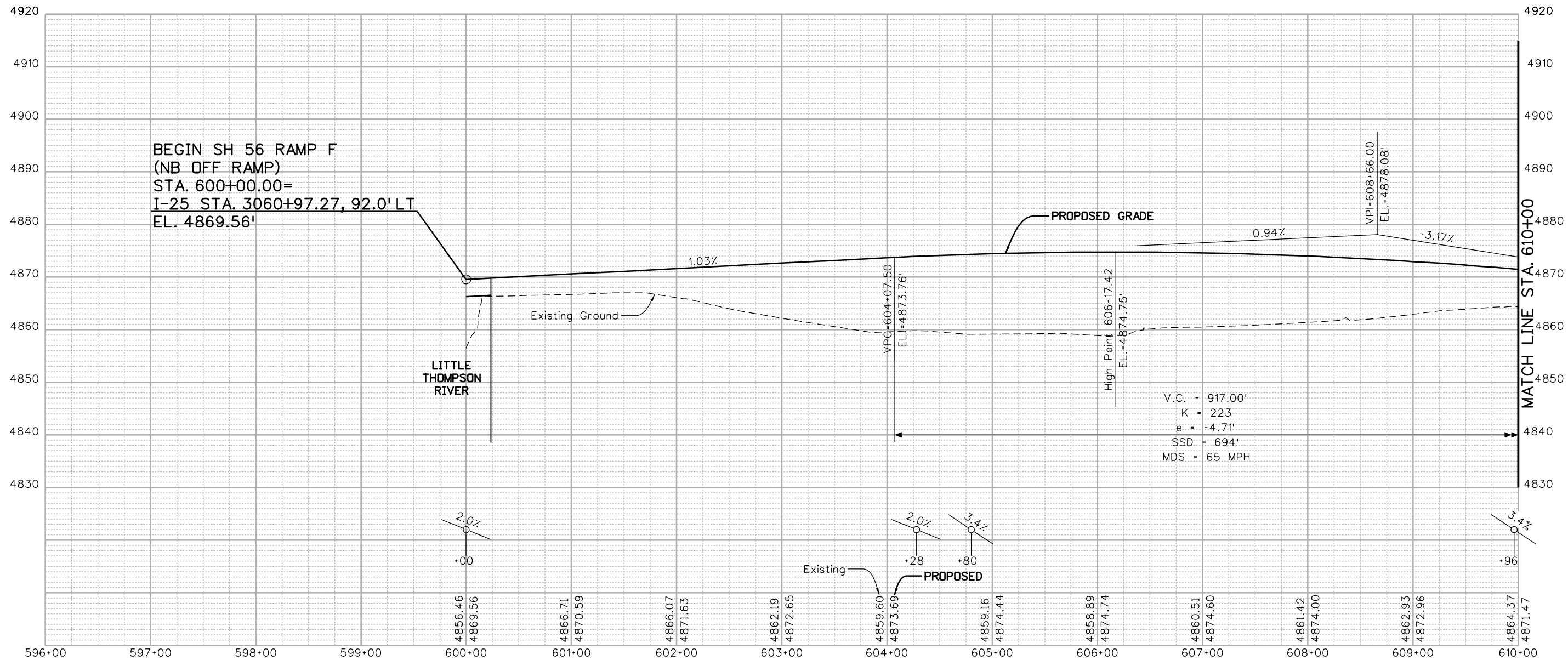
As Constructed	No Revisions:
Revised:	Void:

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SH 56 RAMP E PROFILE			
STA. 513+00 TO STA. 520+34.18			
Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	2 of 8

Project No./Code	IM 0253-220
Sheet Number	136

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Sheet Revisions		
Date:	Comments	Init.

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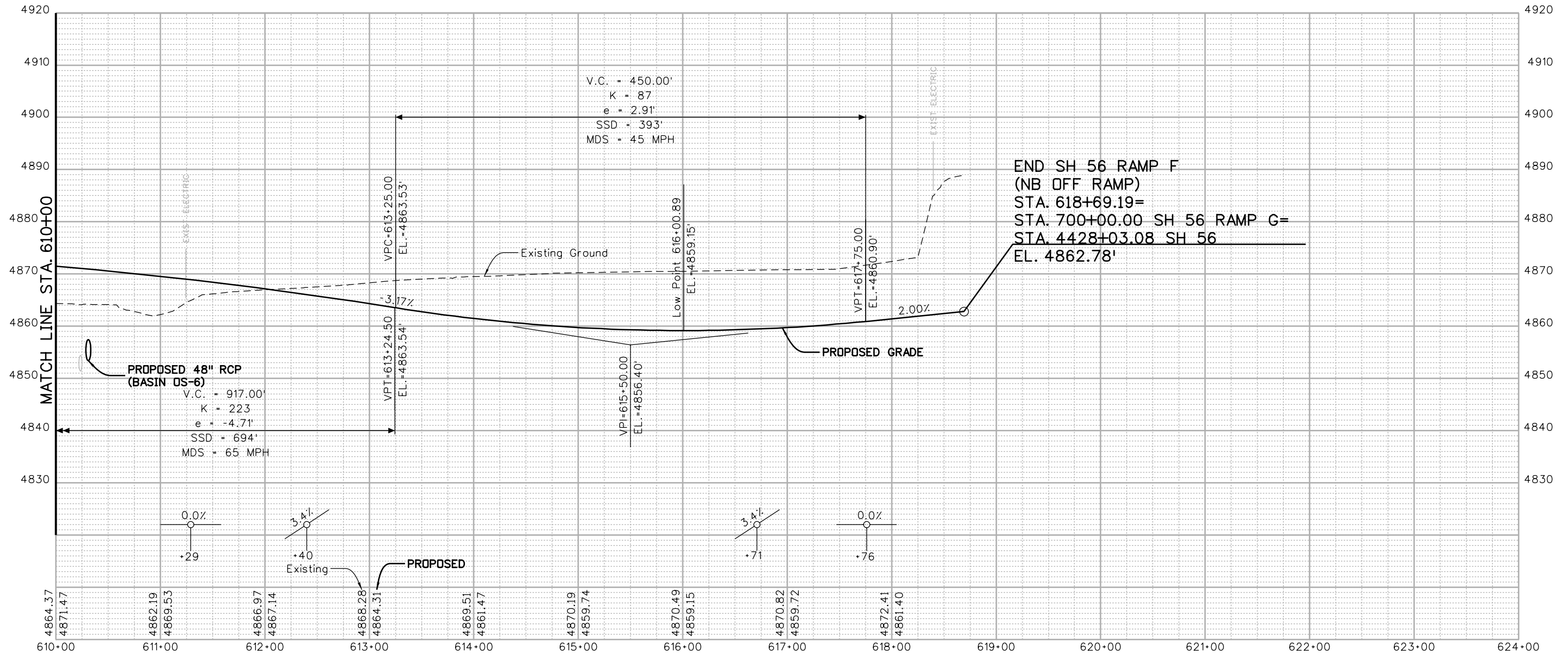
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
SH 56 RAMP F PROFILE			
STA. 600+00 TO STA. 610+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	3 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 137

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END SH 56 RAMP F
 (NB OFF RAMP)
 STA. 618+69.19=
 STA. 700+00.00 SH 56 RAMP G=
 STA. 4428+03.08 SH 56
 EL. 4862.78'

Print Date: 3/5/2015	
Drawing File Name: 18319DES_SH56 Ramps-Prof.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed	No Revisions:
Revised:	
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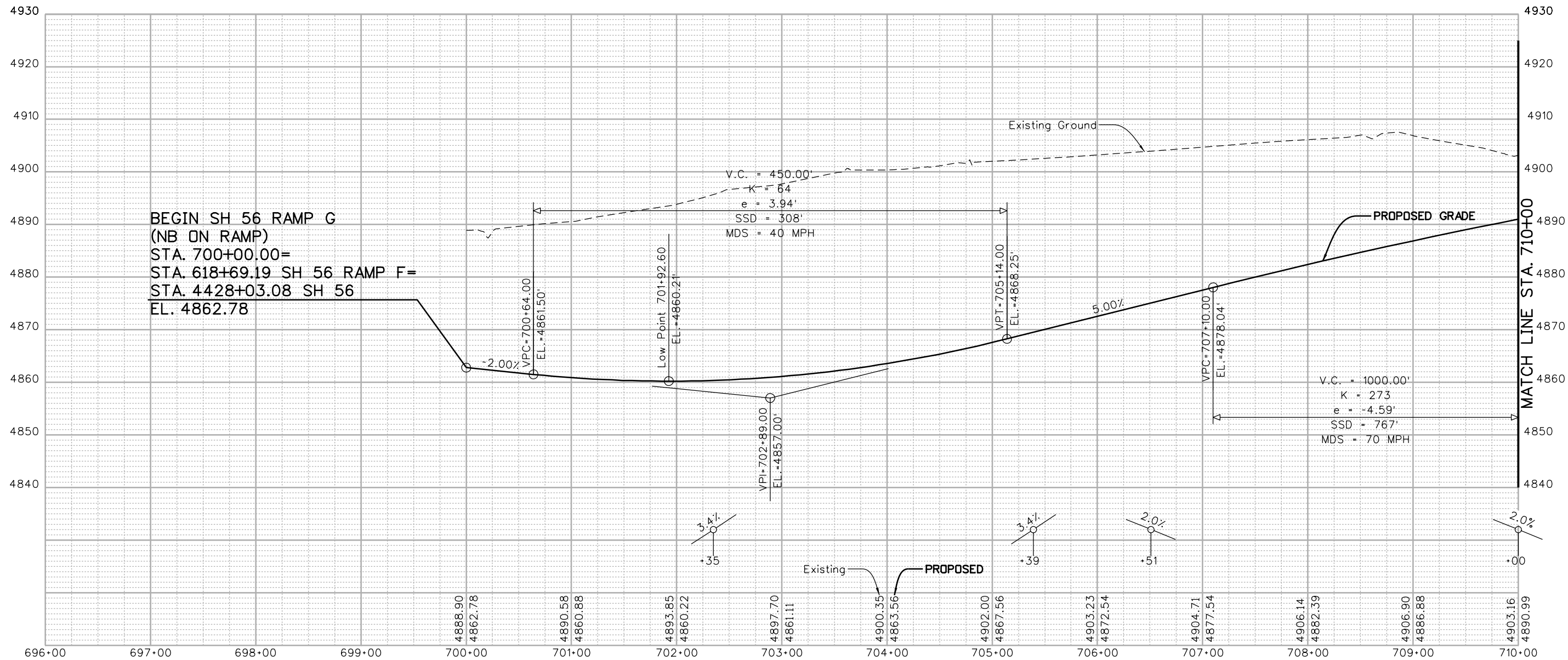
I-25 FROM N/O SH 66 TO N/O SH 56			
SH 56 RAMP F PROFILE			
STA. 610+00 TO STA. 620+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	4 of 8

Project No./Code	IM 0253-220
	18319
Sheet Number	138

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

As Constructed
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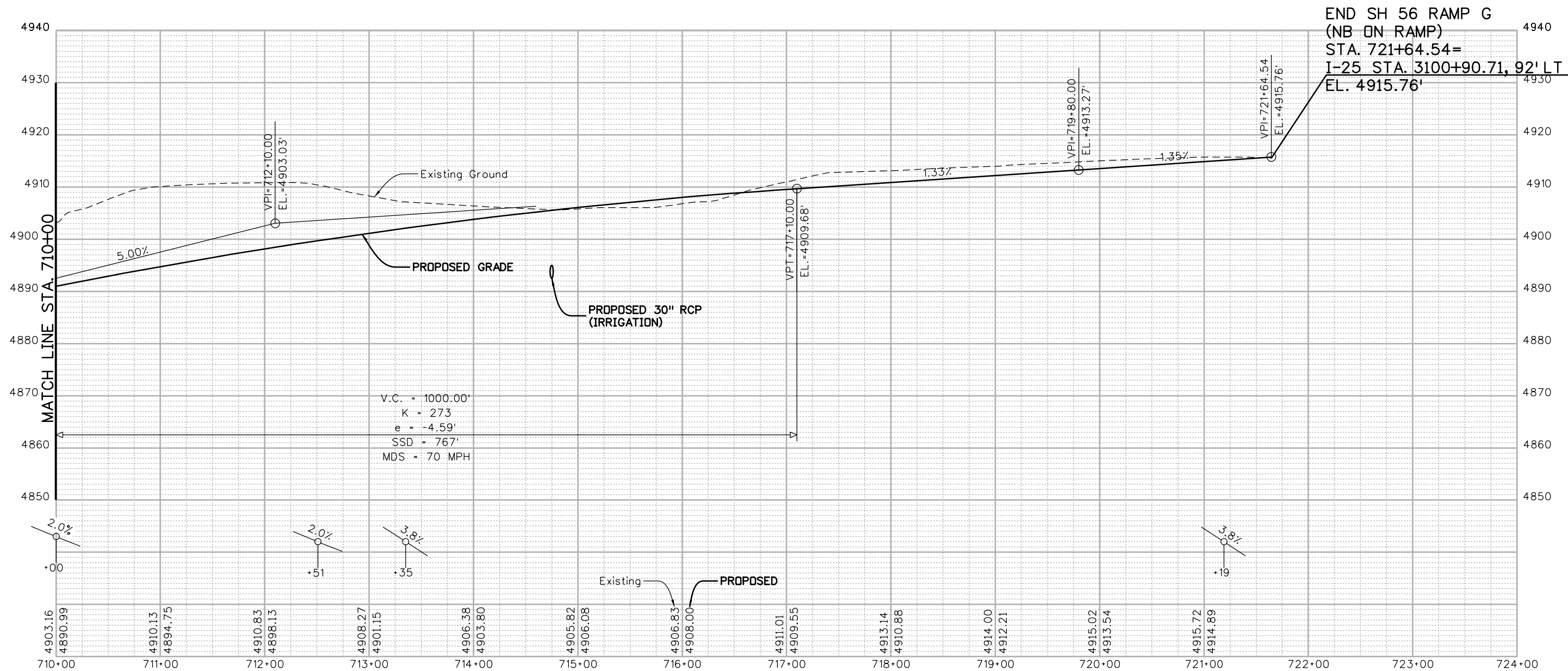
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STA. 700+00 TO STA. 710+00			
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	5 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 139

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END SH 56 RAMP G
 (NB ON RAMP)
 STA. 721+64.54=
 I-25 STA. 3100+90.71, 92' LT
 EL. 4915.76'

Print Date: 3/5/2015	
Drawing File Name: 18319DES_SH56 Ramps-Prof.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P:/12-003.01/18319/Design/ 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
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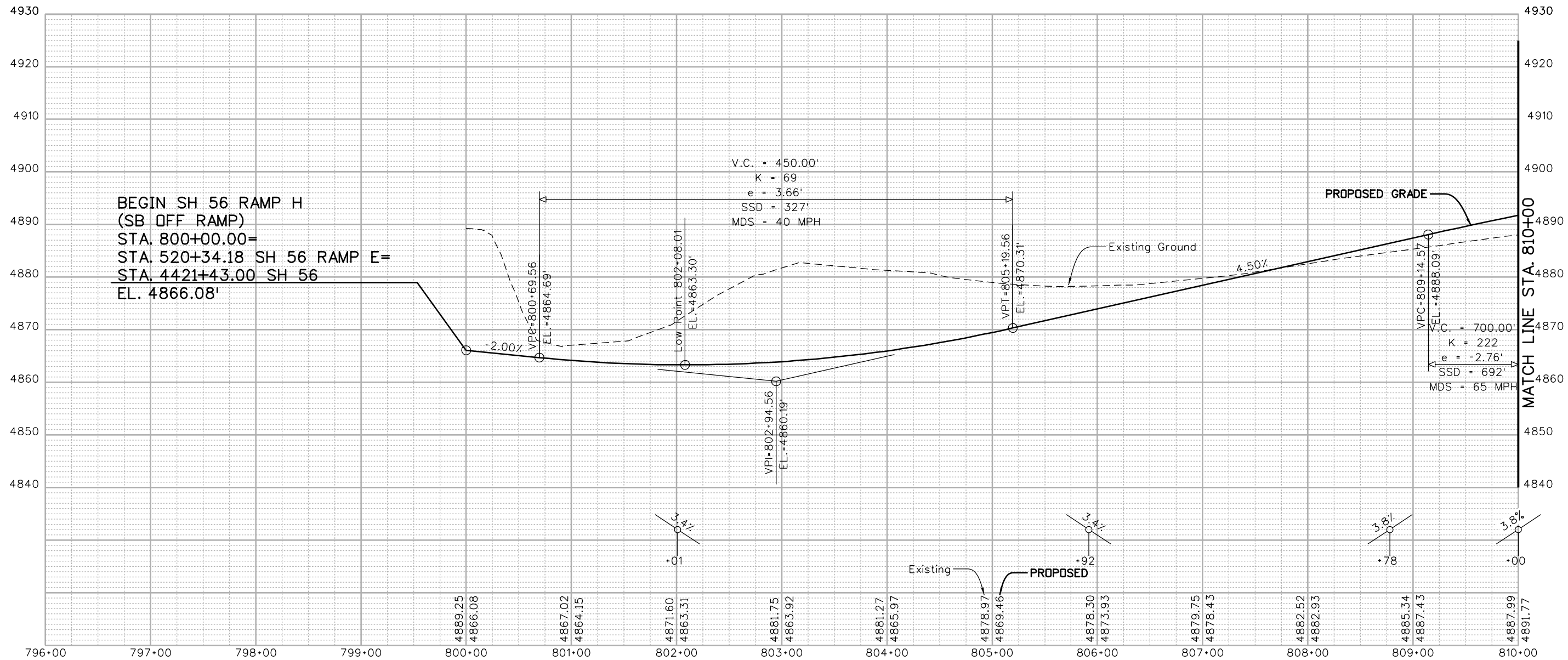
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
SH 56 RAMP G PROFILE			
STA. 710+00 TO STA. 721+64.54			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	6 of 8

Project No./Code	IM 0253-220
	18319
Sheet Number	140

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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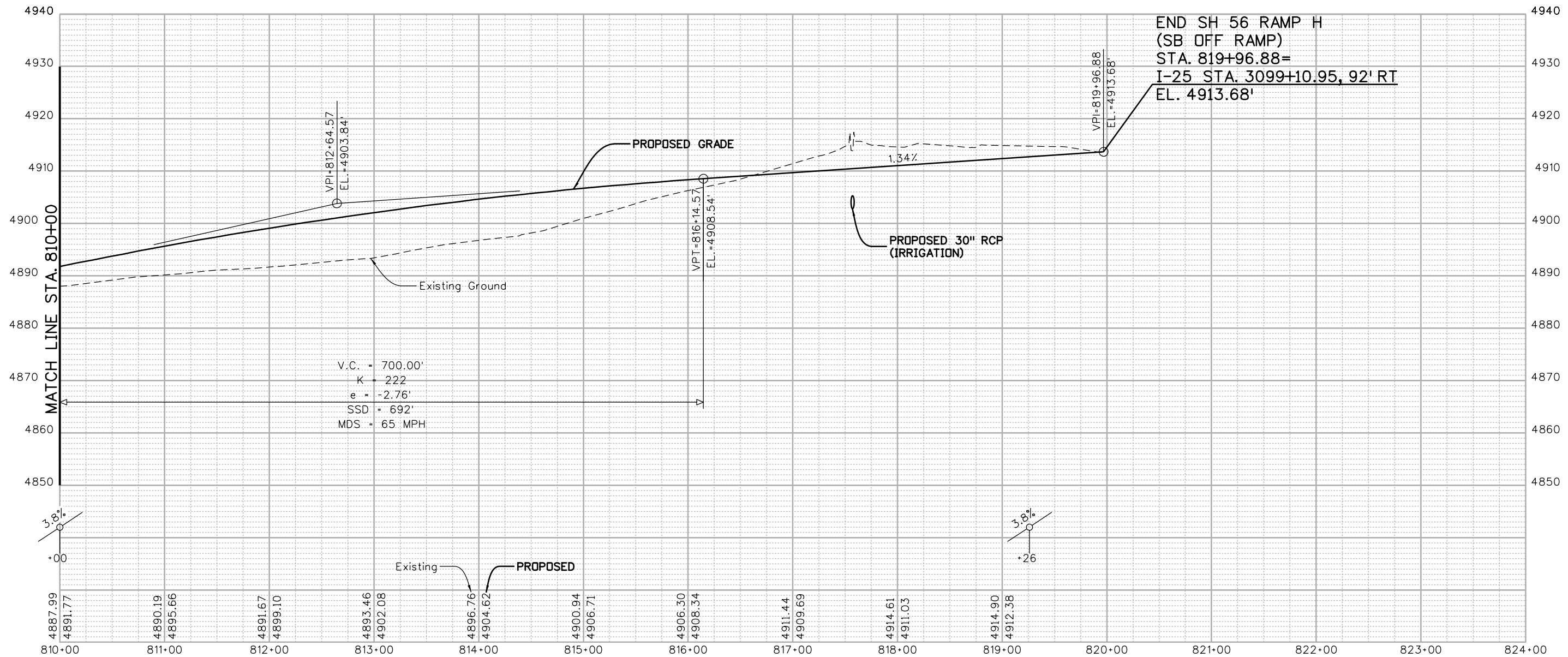
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
SH 56 RAMP H PROFILE			
STA. 800+00 TO STA. 810+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	7 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 141

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.
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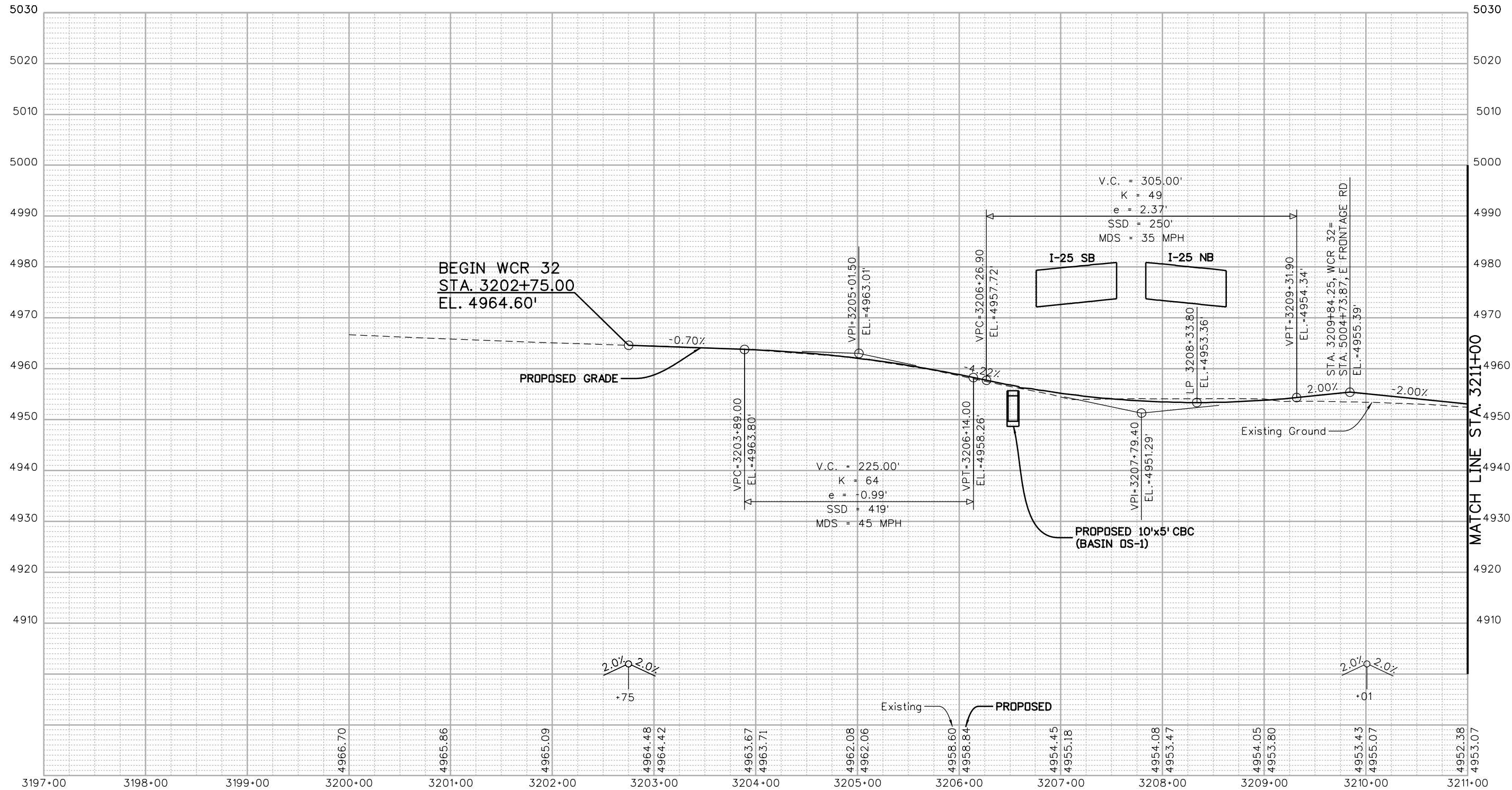
Region 4 JFF

As Constructed
No Revisions:
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Void:

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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	8 of 8
Sheet Subset:	PROFILE		

Project No./Code
IM 0253-220
18319
Sheet Number 142

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Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

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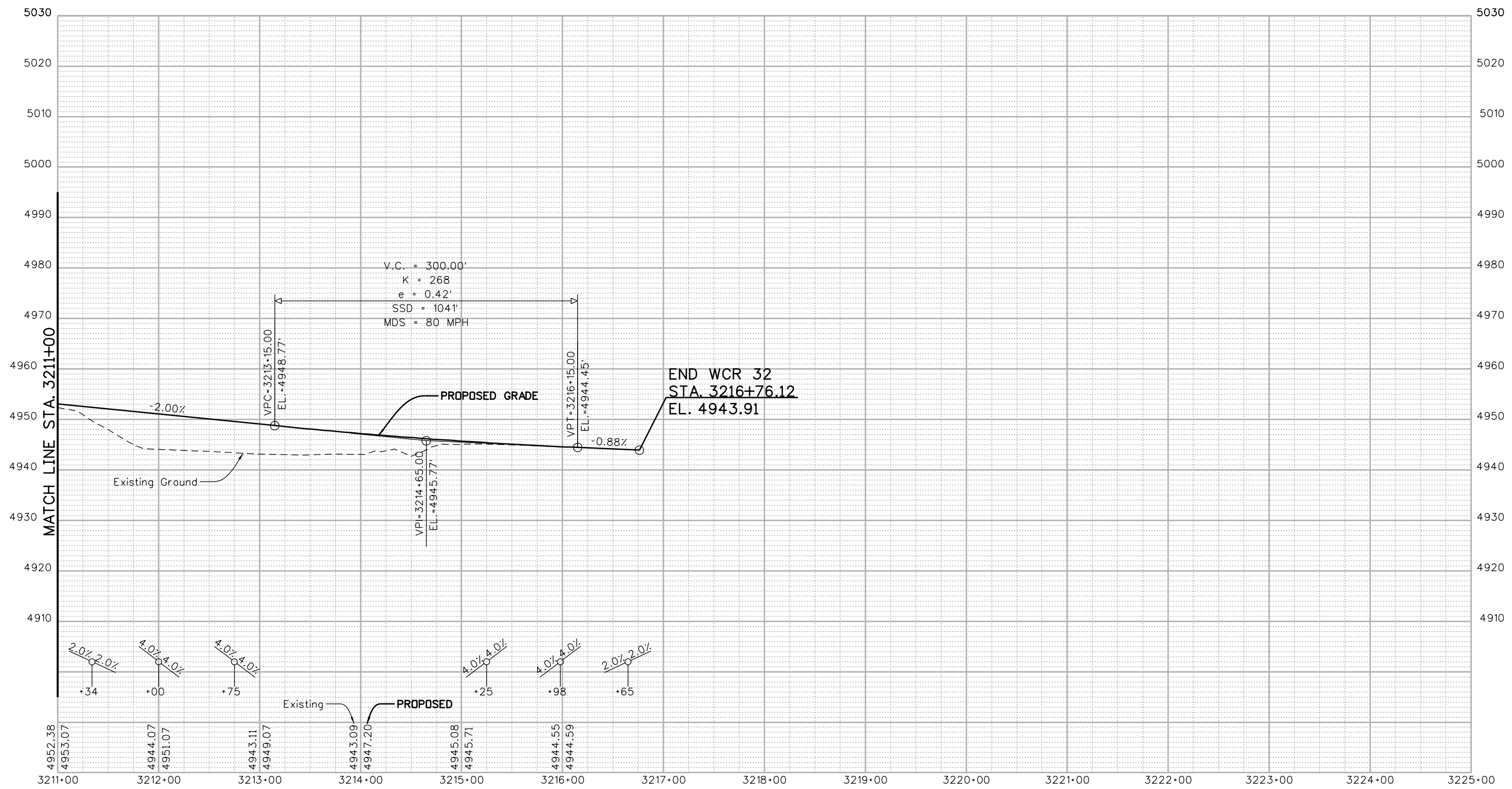
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	1 of 2

Project No./Code
IM 0253-220
18319
Sheet Number 143

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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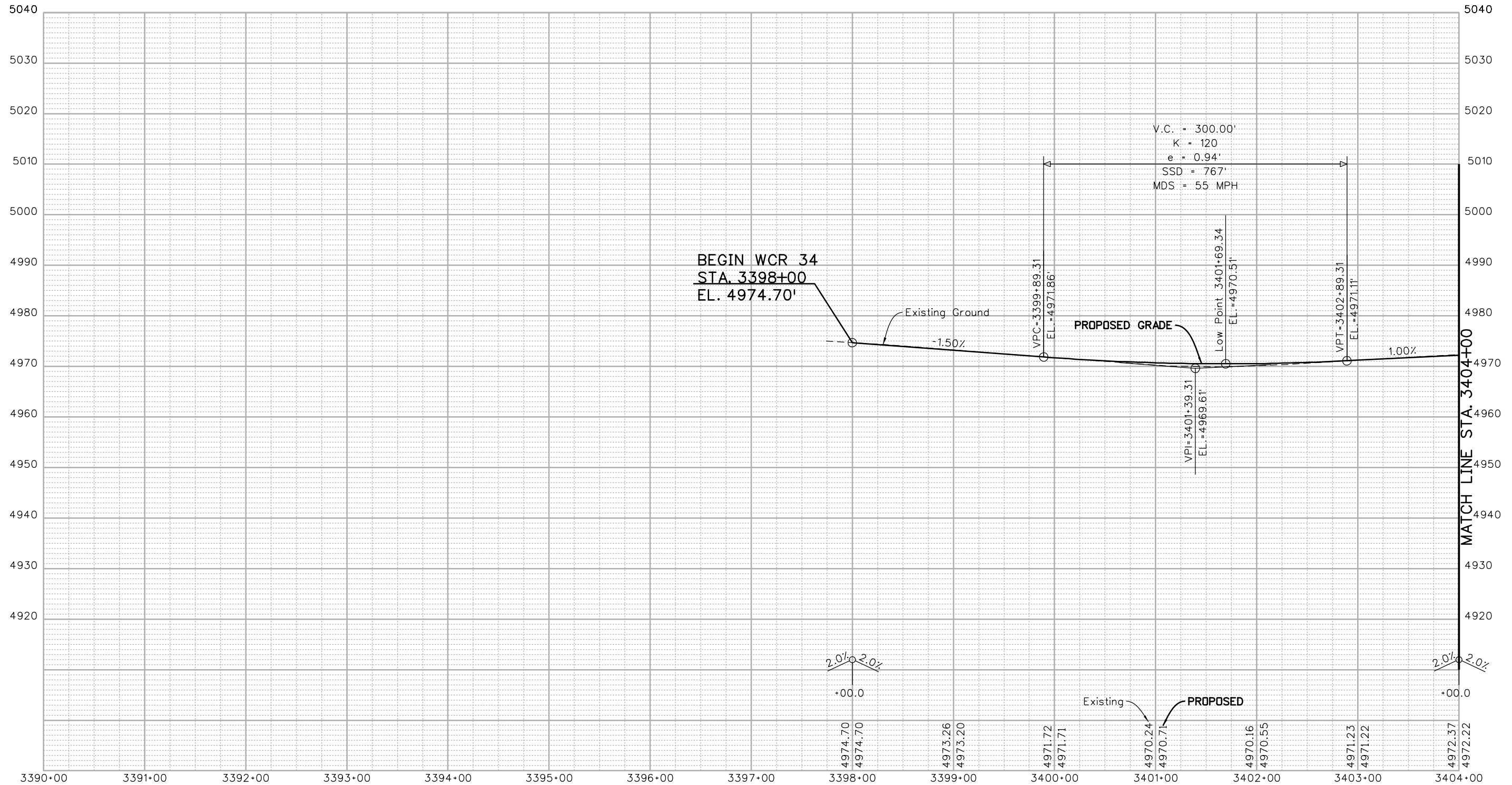
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	2 of 2

Project No./Code
IM 0253-220
18319
Sheet Number 144

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Unit Information	Unit Leader Initials
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Sheet Revisions		
Date:	Comments	Init.

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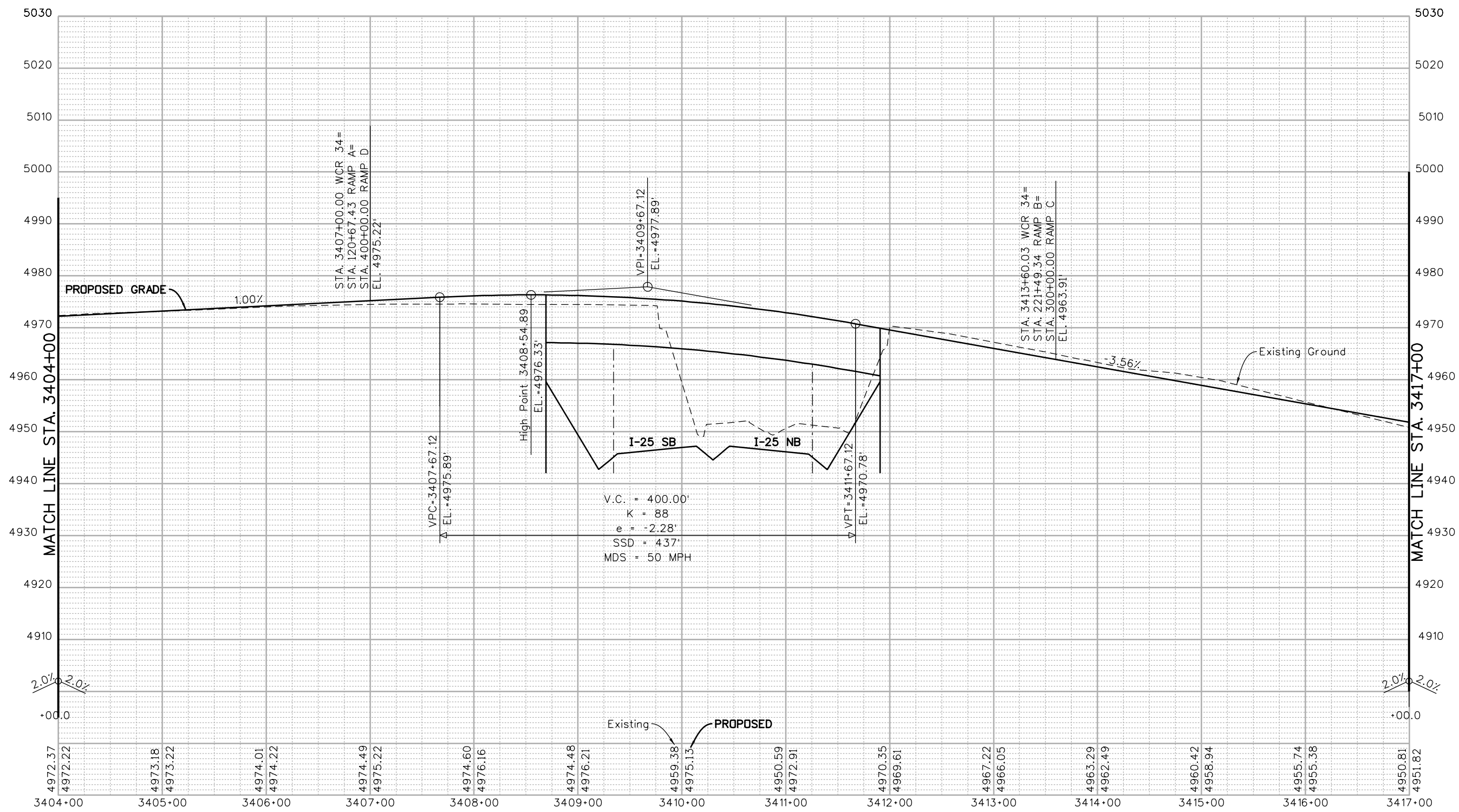
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No Revisions:
Revised:
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STA. 3398+00 TO STA. 3404+00		
Designer:	RKZ	Structure Numbers
Detailer:	MAW	
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Project No./Code
IM 0253-220
18319
Sheet Number 145

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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Region 4

JFF

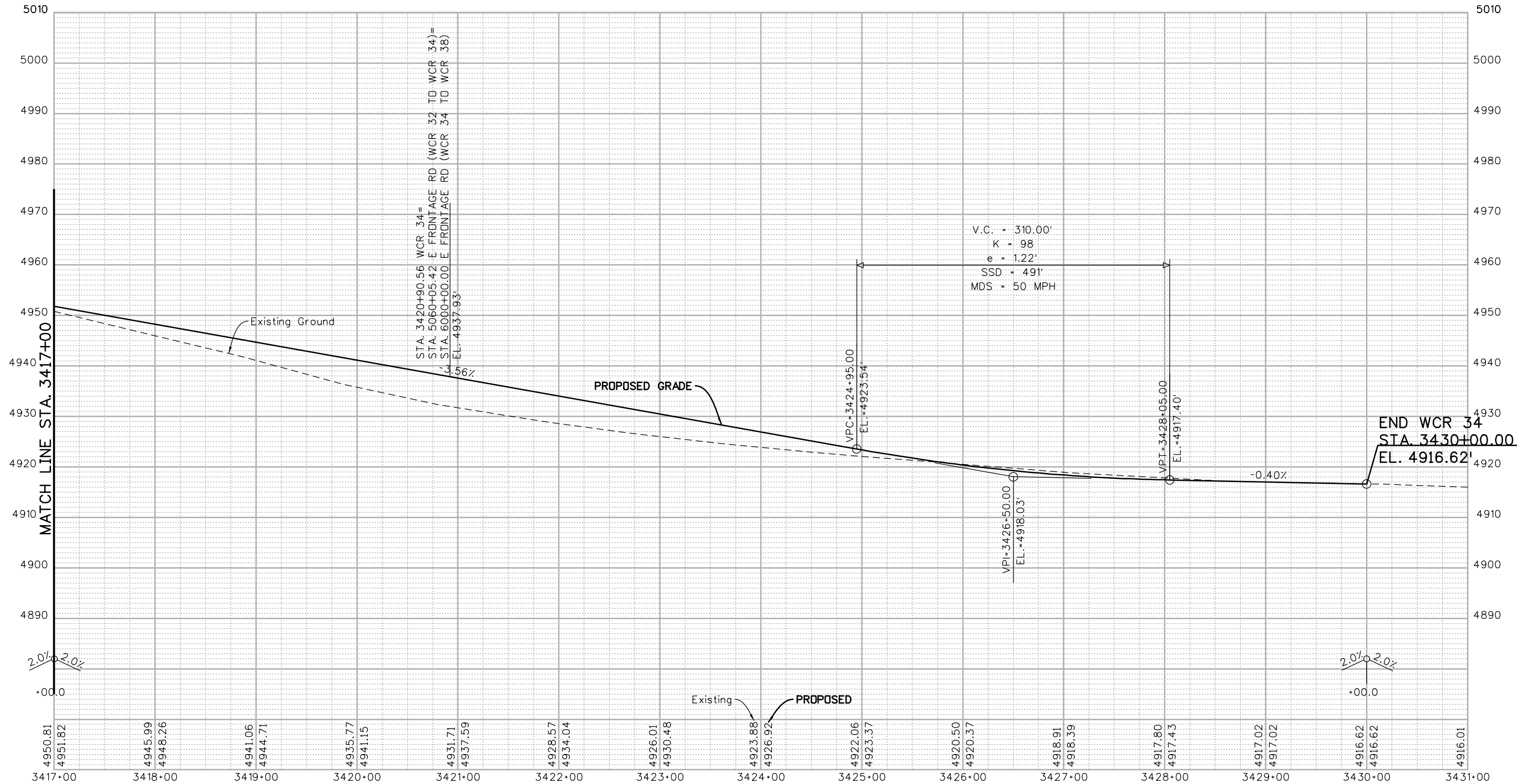
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	2 of 3
Sheet Subset:	PROFILE		

Project No./Code
IM 0253-220
18319
Sheet Number 146

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Sheet Revisions		
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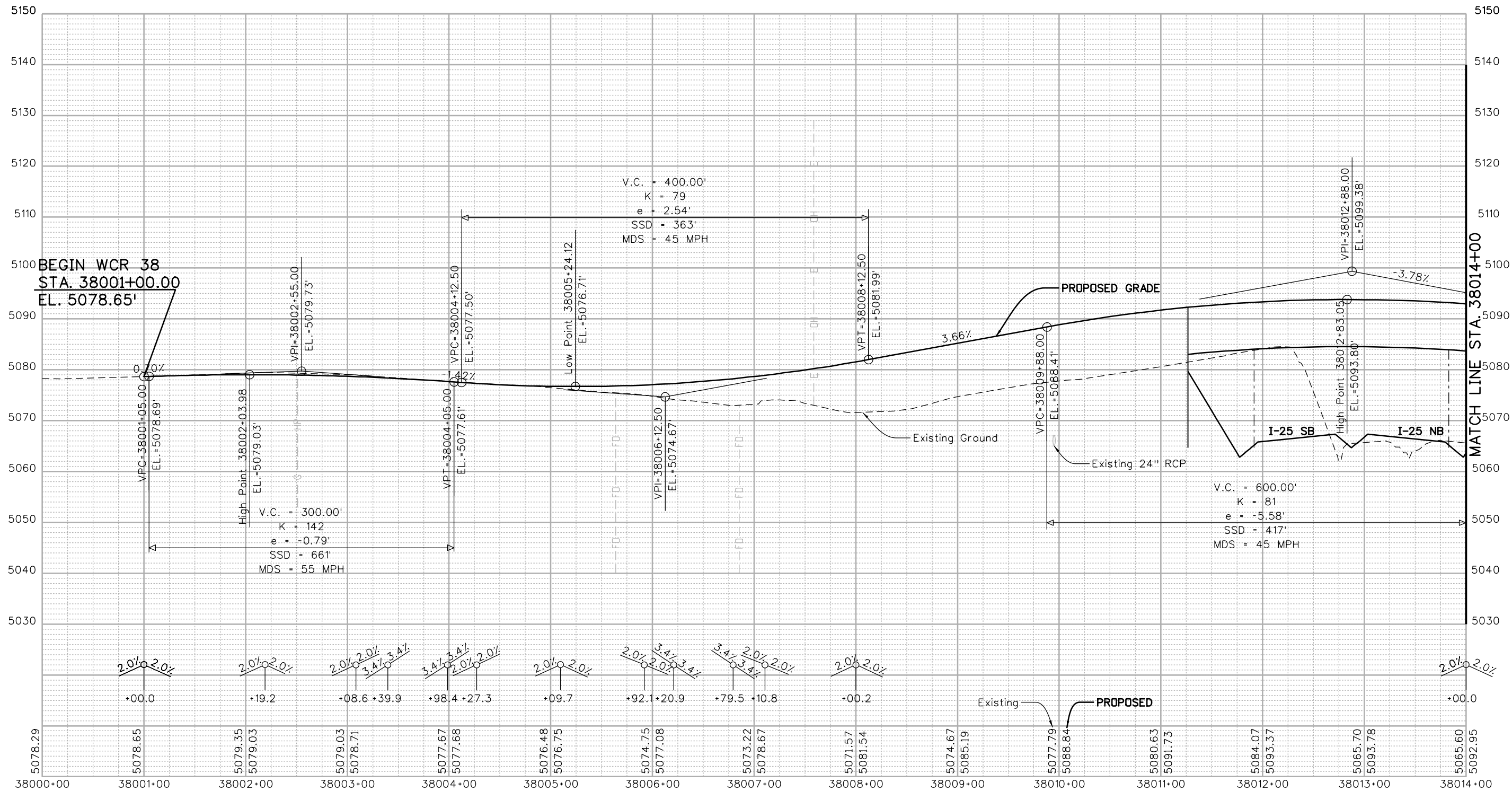
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

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Designer: RKZ	Structure Numbers	
Detailer: MAW		
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IM 0253-220
18319
Sheet Number 147

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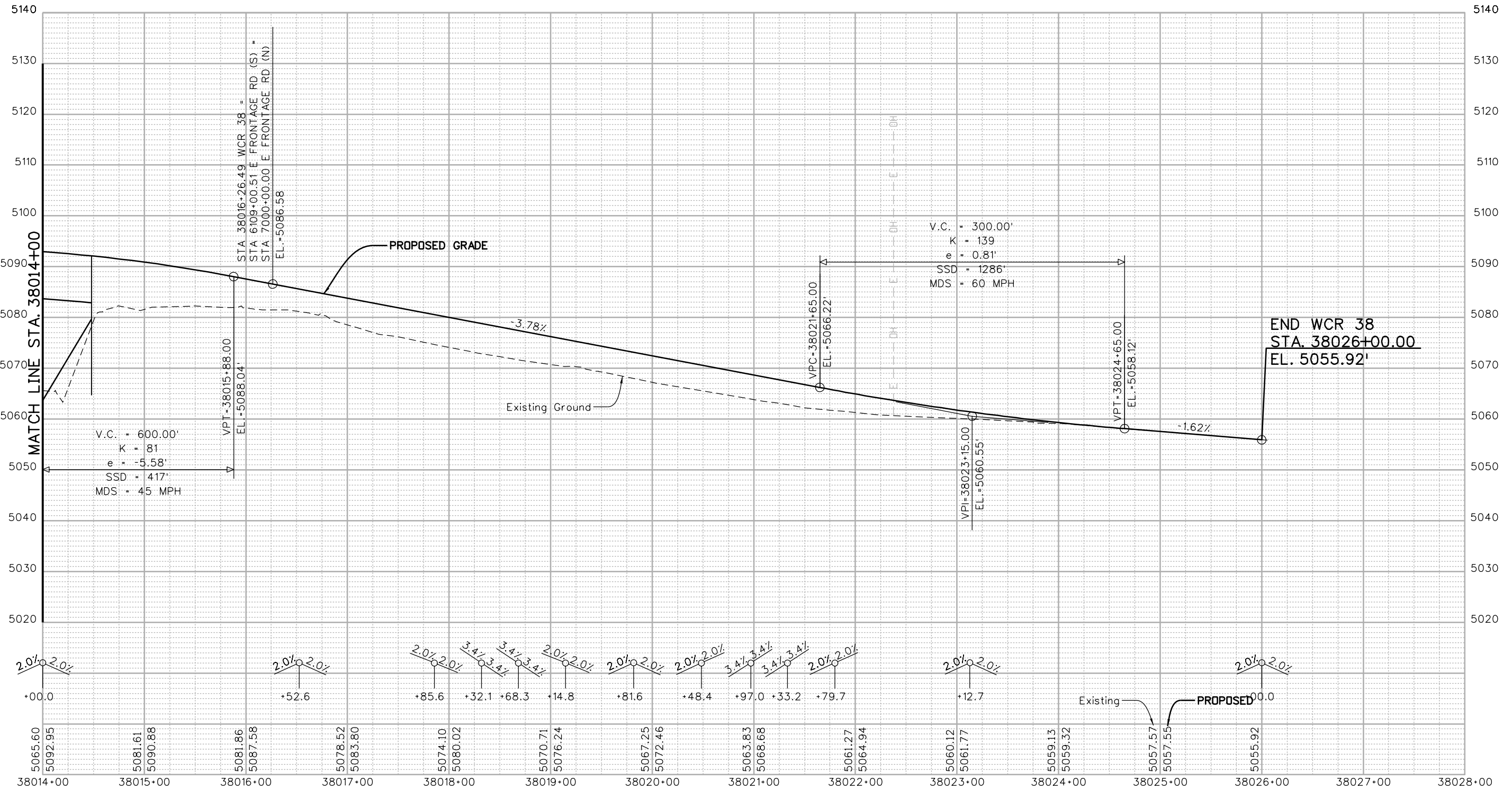
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18319
Sheet Number 148

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Date:	Comments	Init.

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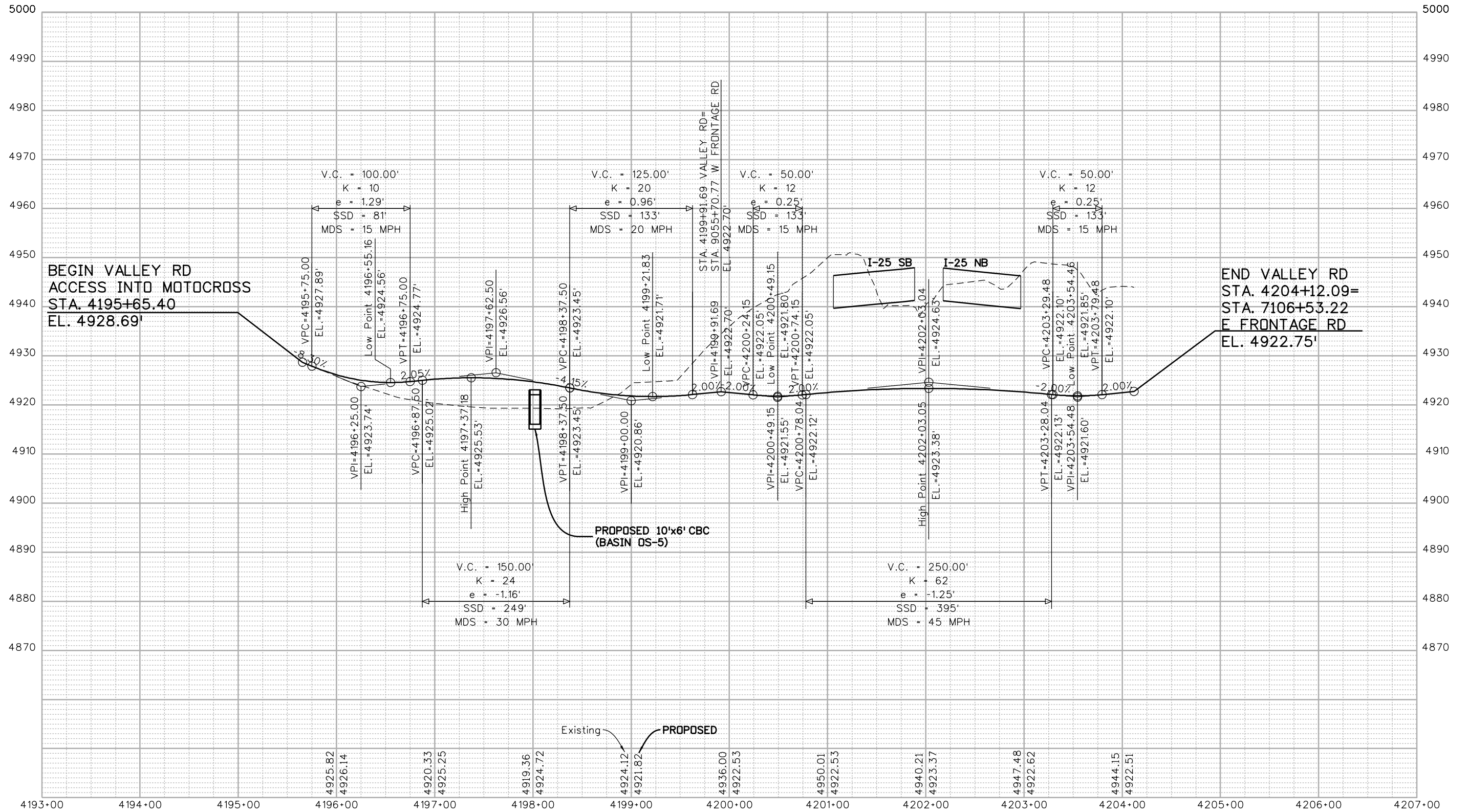
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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 149

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Date:	Comments	Init.

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Region 4

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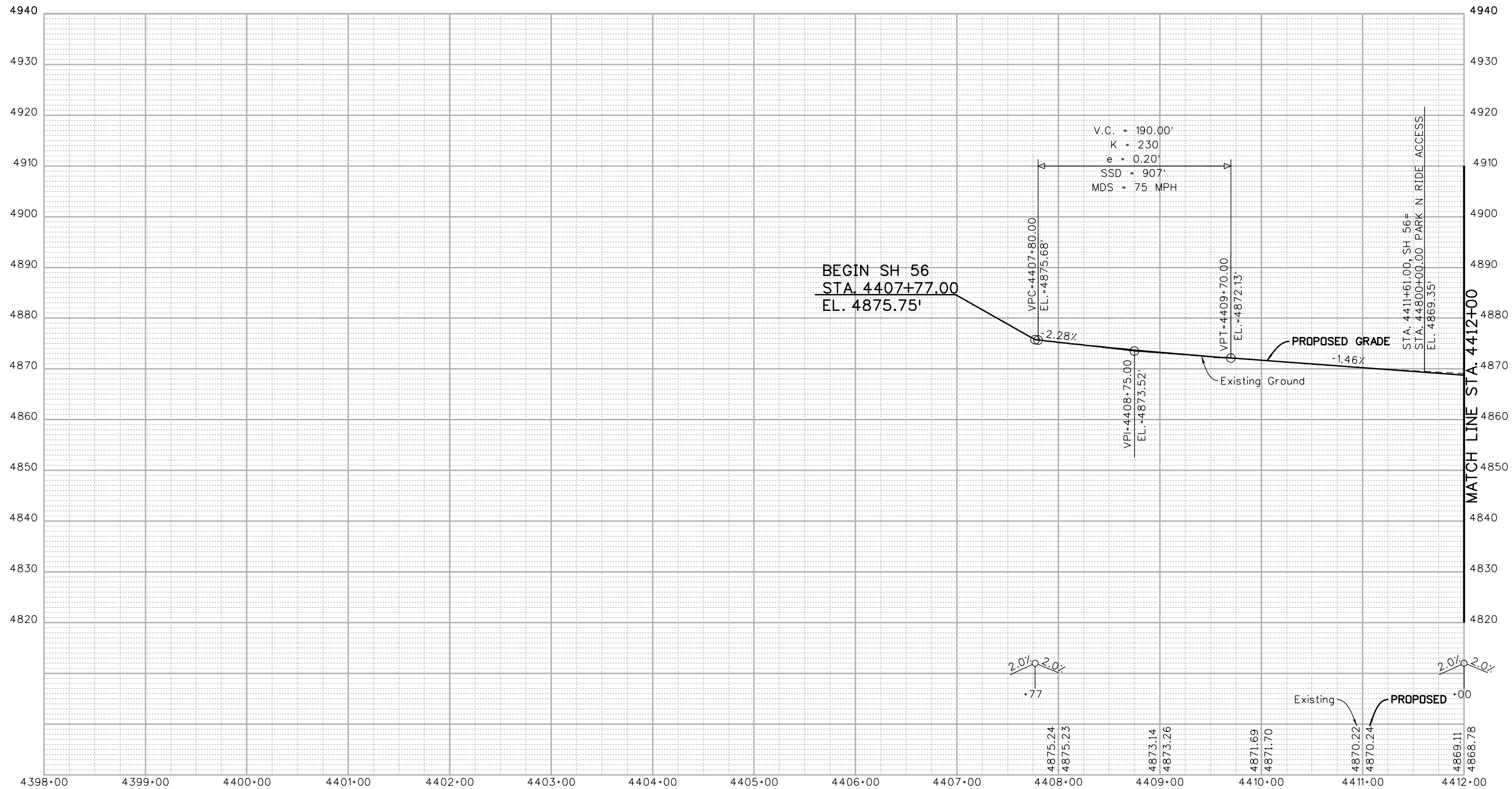
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Project No./Code
IM 0253-220
18319
Sheet Number 150

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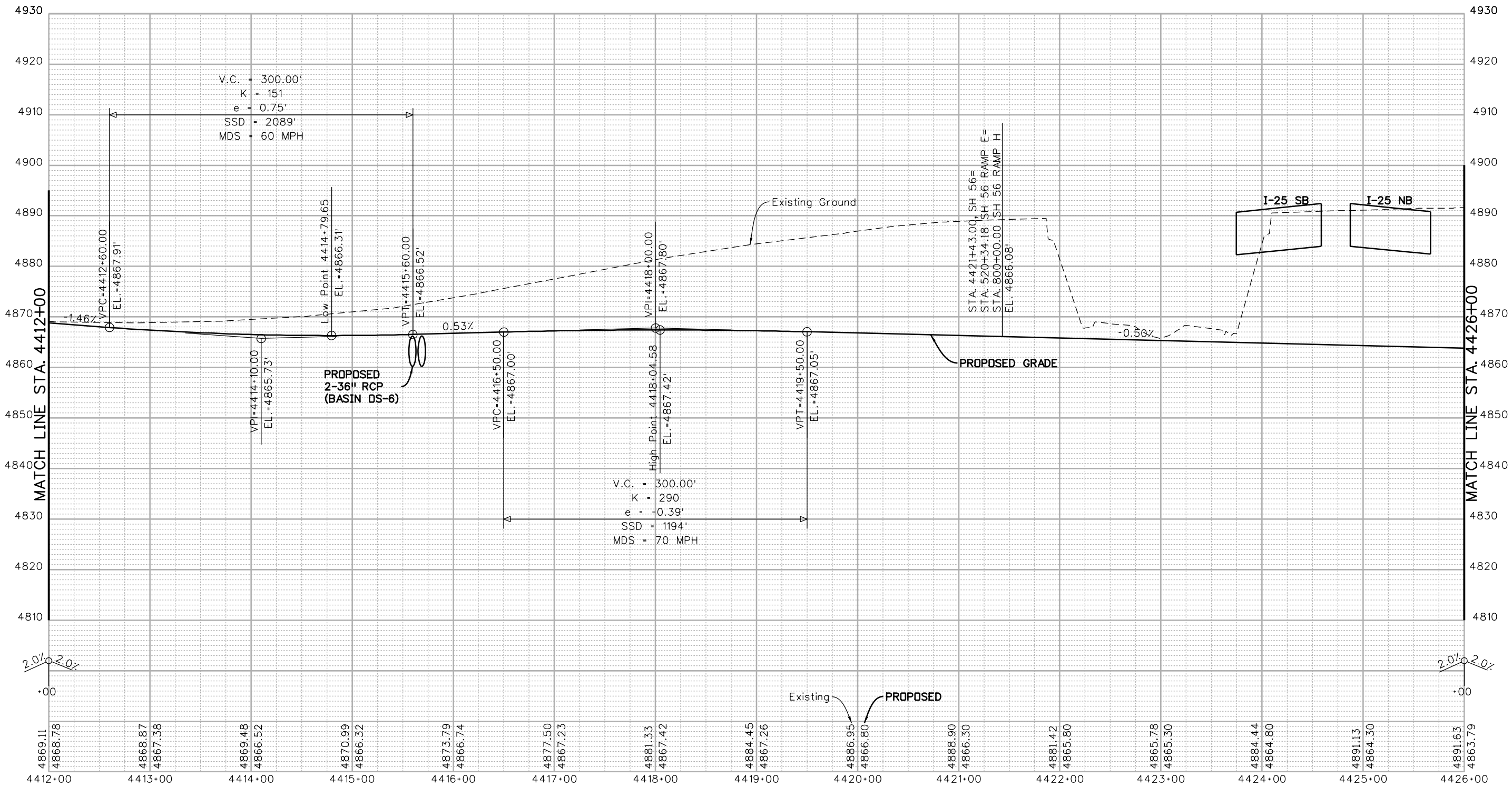
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STA. 4409+59.93 TO STA. 4412+00		
Designer:	RKZ	Structure Numbers
Detailer:	MAW	
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Project No./Code
IM 0253-220
18319
Sheet Number 151

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Sheet Revisions		
Date:	Comments	Init.

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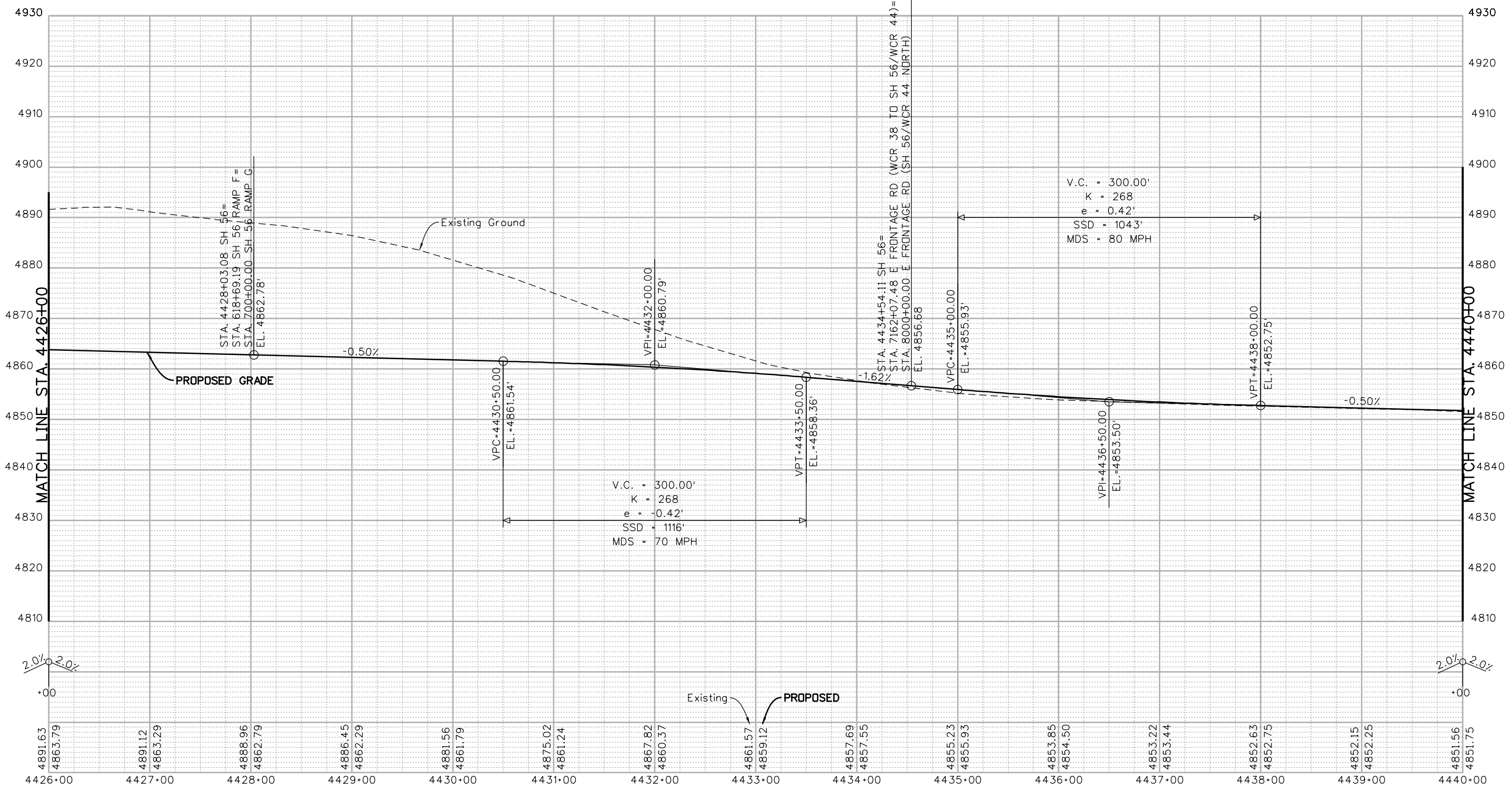
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Project No./Code
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18319
Sheet Number 152

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Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

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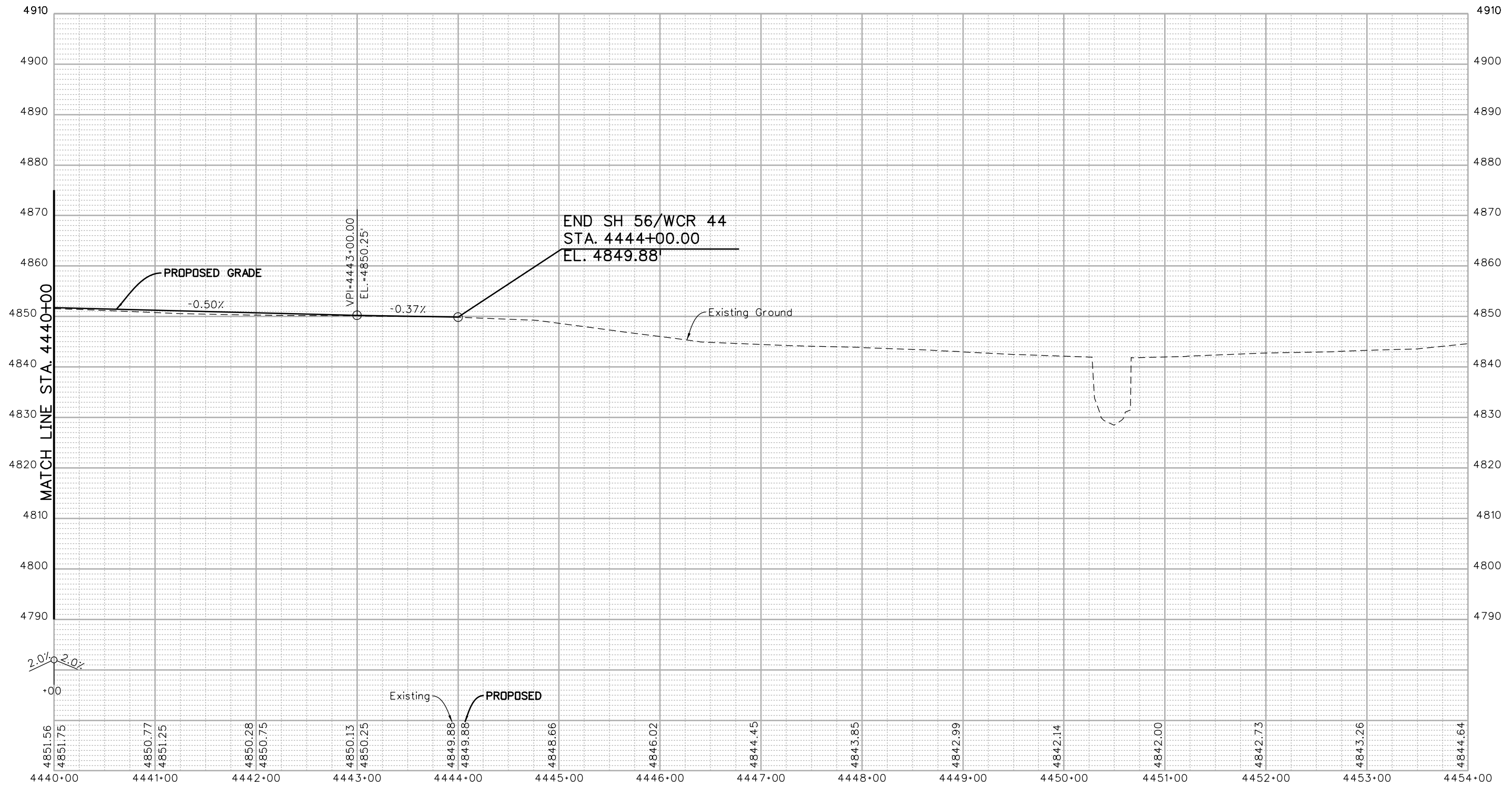
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Project No./Code
IM 0253-220
18319
Sheet Number 153

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Sheet Revisions		
Date:	Comments	Init.

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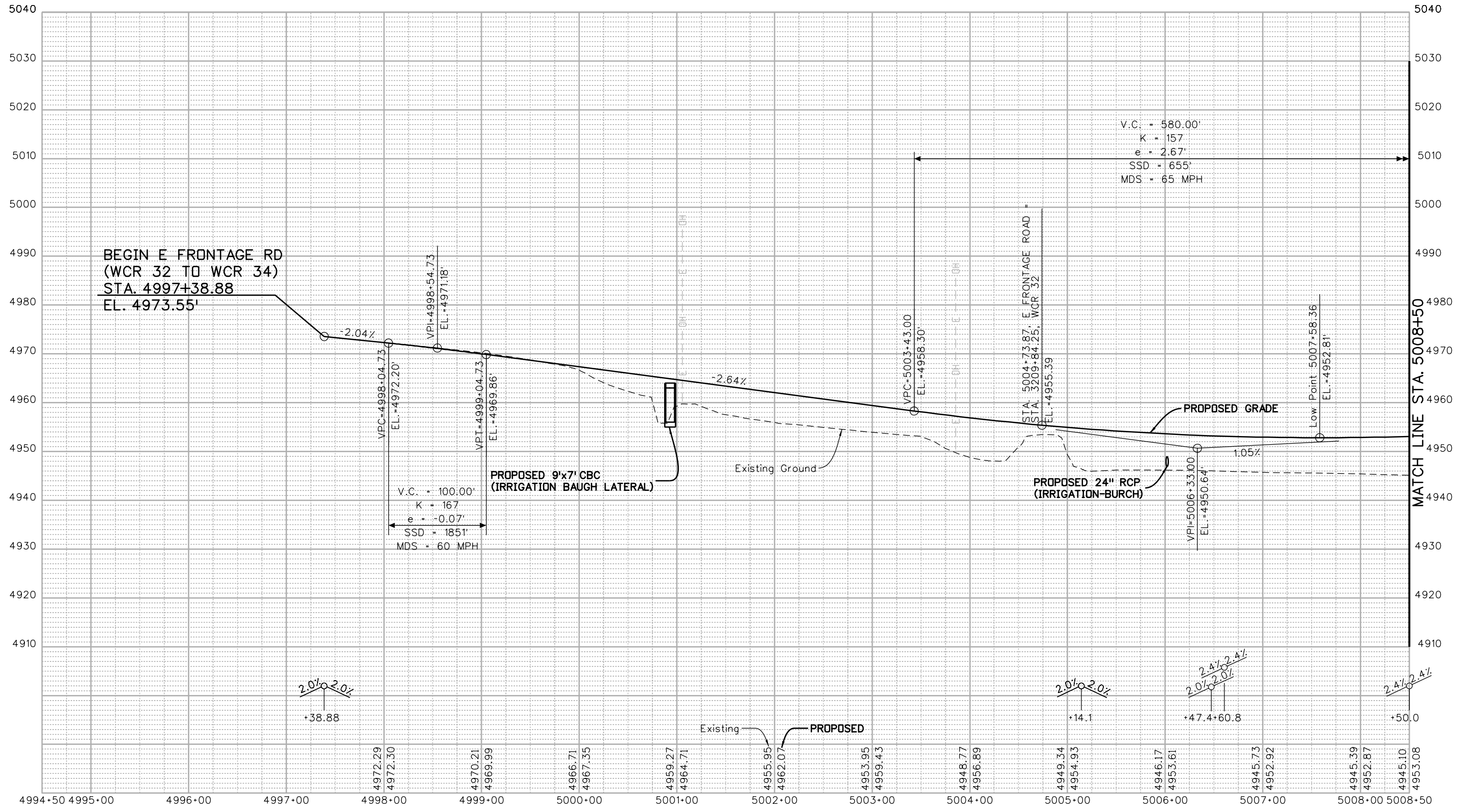
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 Region 4 JFF

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Revised:
Void:

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STA. 4440+00 TO STA. 4444+00.00			
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Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 154

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 777 S. Wadsworth Blvd. #4 - 100
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Date:	Comments

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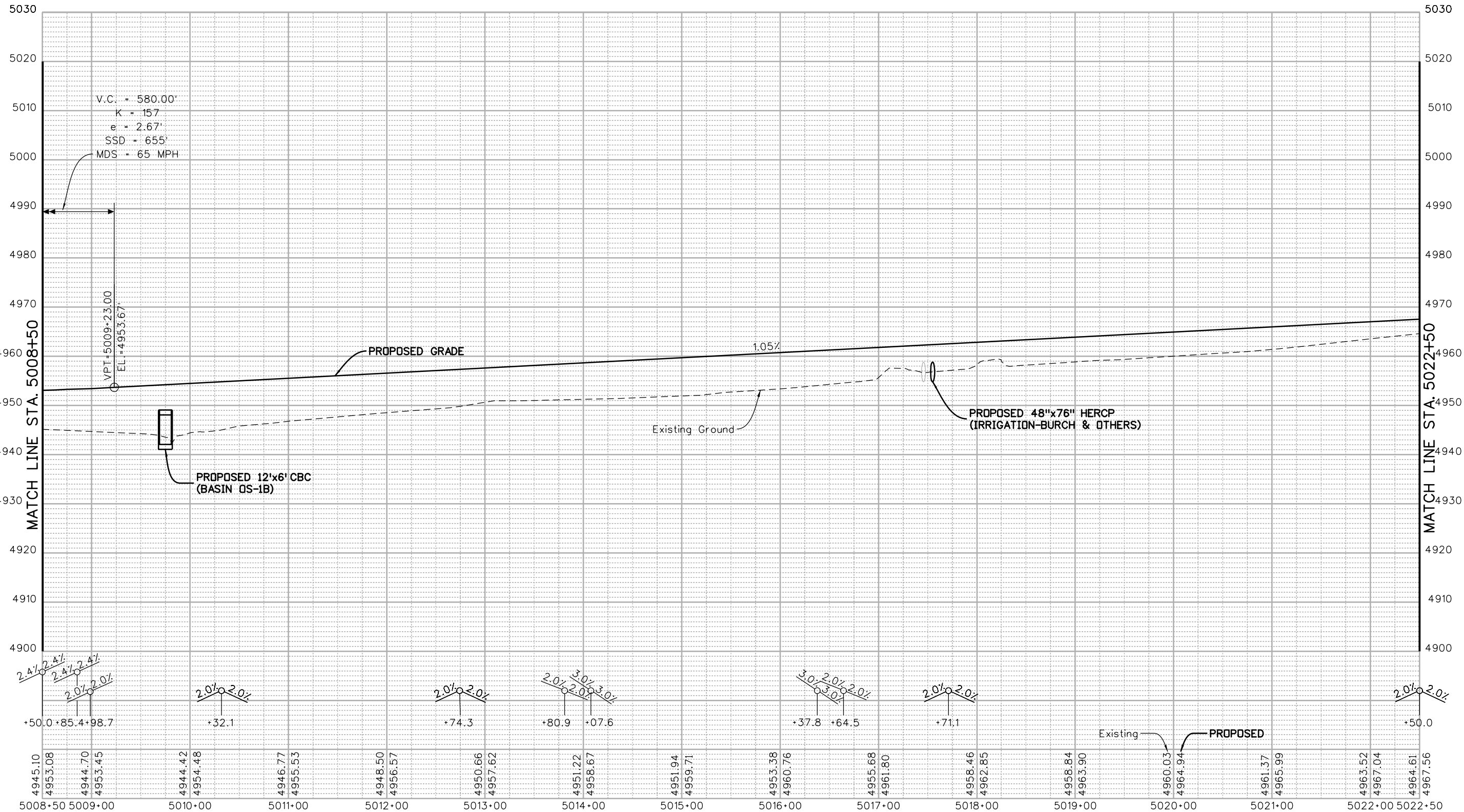
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STA. 4997+38.88 TO STA. 5008+50**

Designer: RKZ
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Project No./Code
IM 0253-220
18319
Sheet Number 155

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Sheet Revisions		
Date:	Comments	Int.

Colorado Department of Transportation
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Region 4 JFF

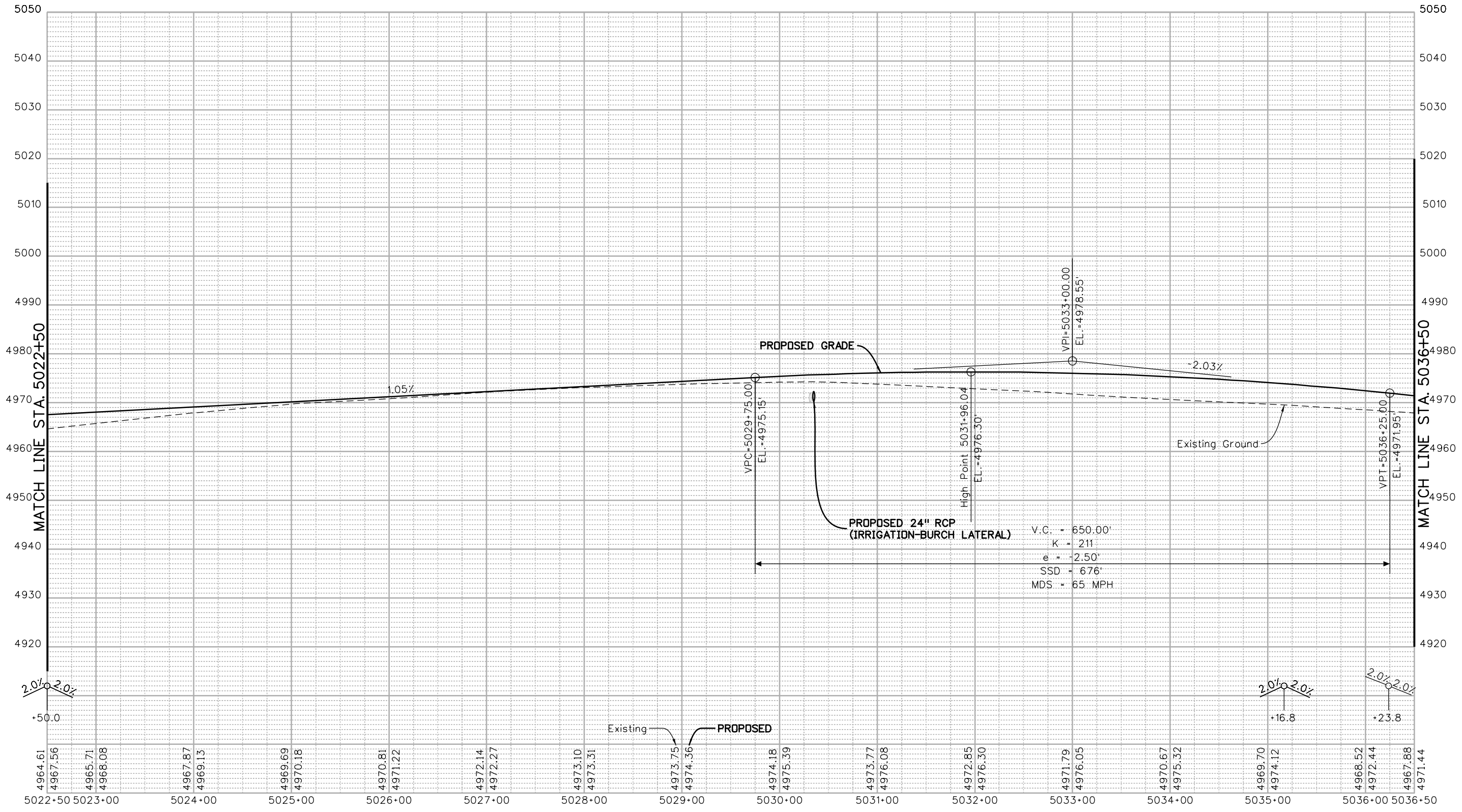
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Detailer:	MAW	Subset Sheets:	2 of 30

Project No./Code
IM 0253-220
18319
Sheet Number 156

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Sheet Revisions		
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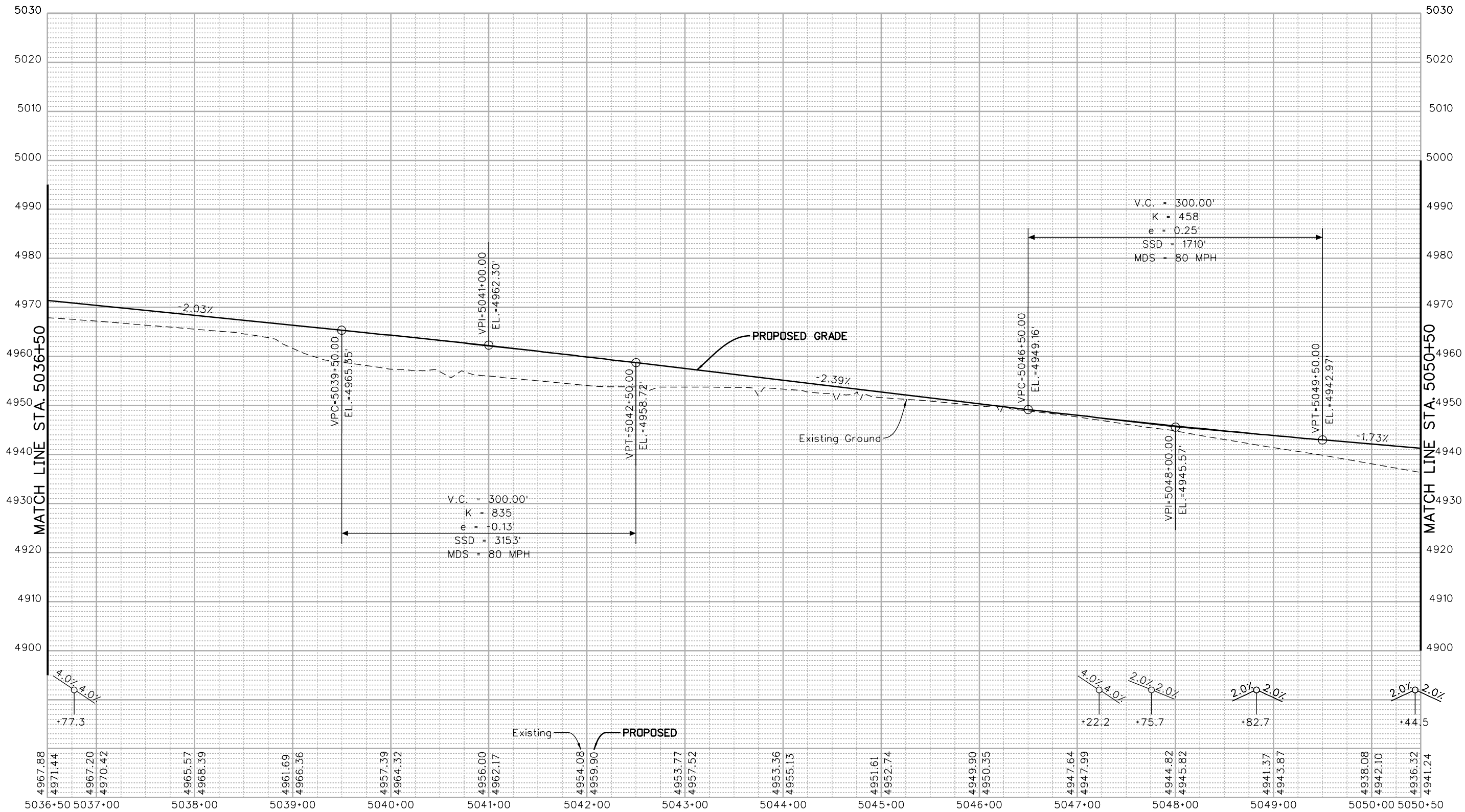
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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STA. 5022+50 TO STA. 5036+50			
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Project No./Code	IM 0253-220
	18319
Sheet Number	157

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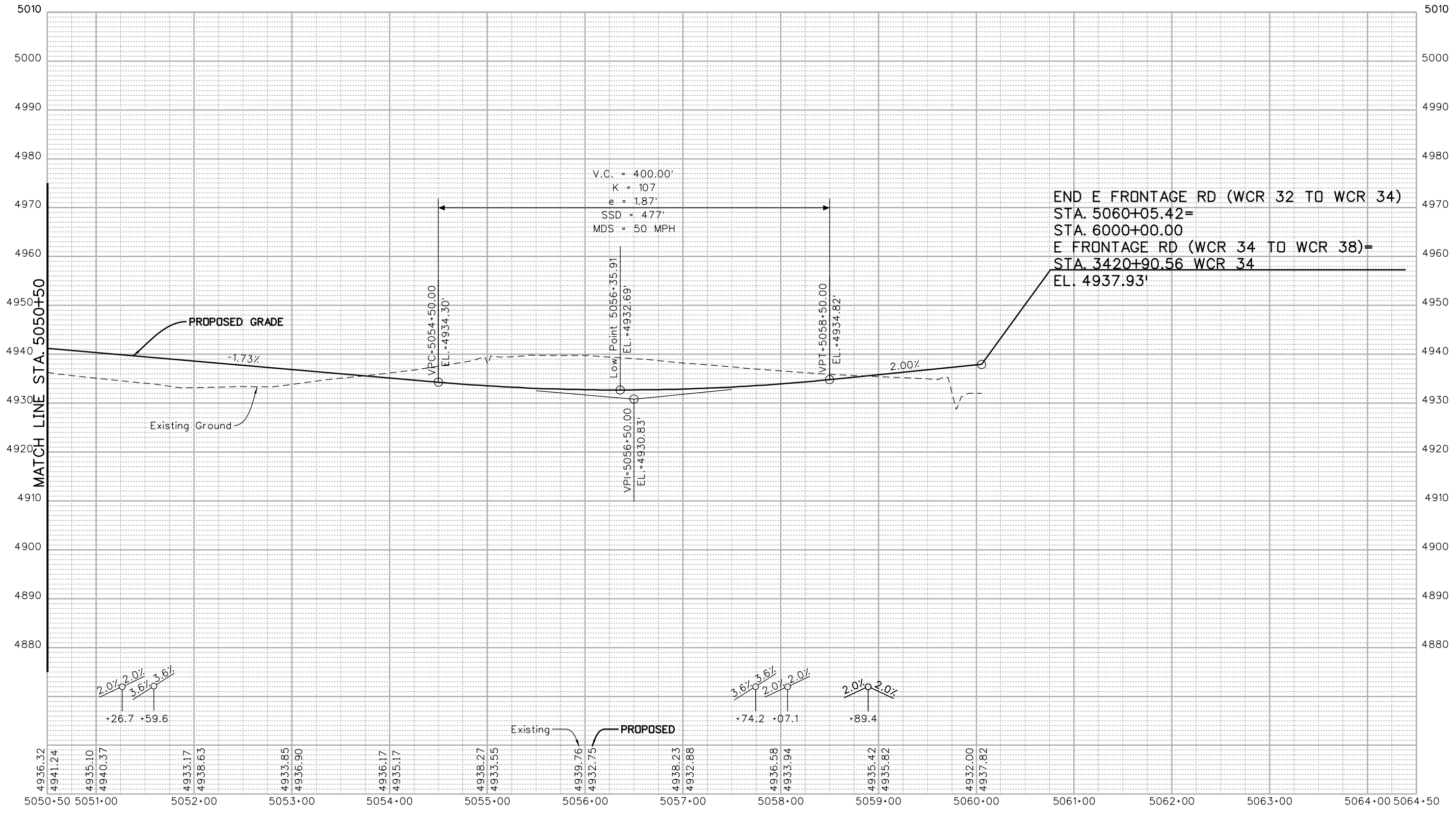
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Project No./Code	IM 0253-220
	18319
Sheet Number	158

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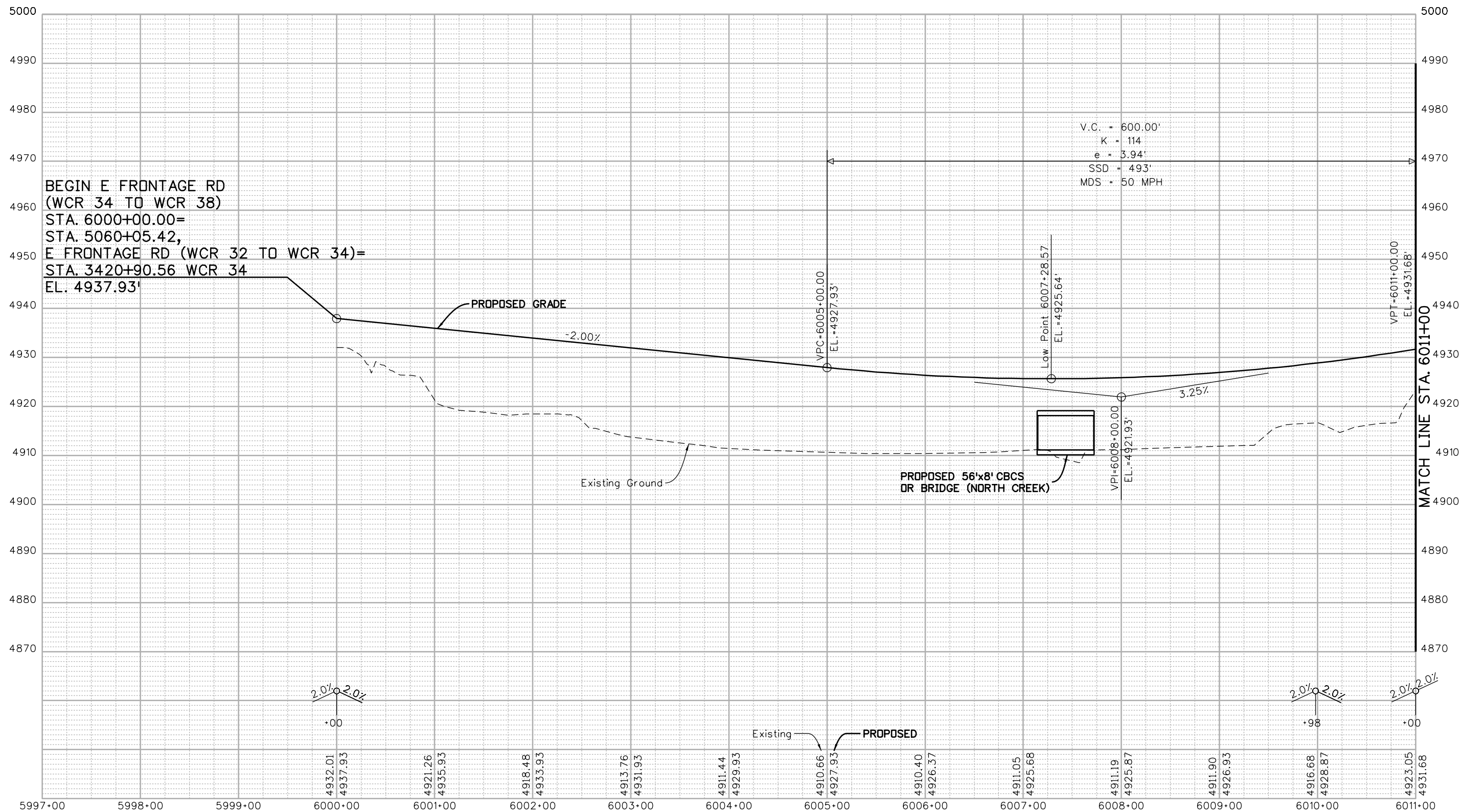
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Project No./Code
IM 0253-220
18319
Sheet Number 159

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Sheet Revisions		
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Region 4 JFF

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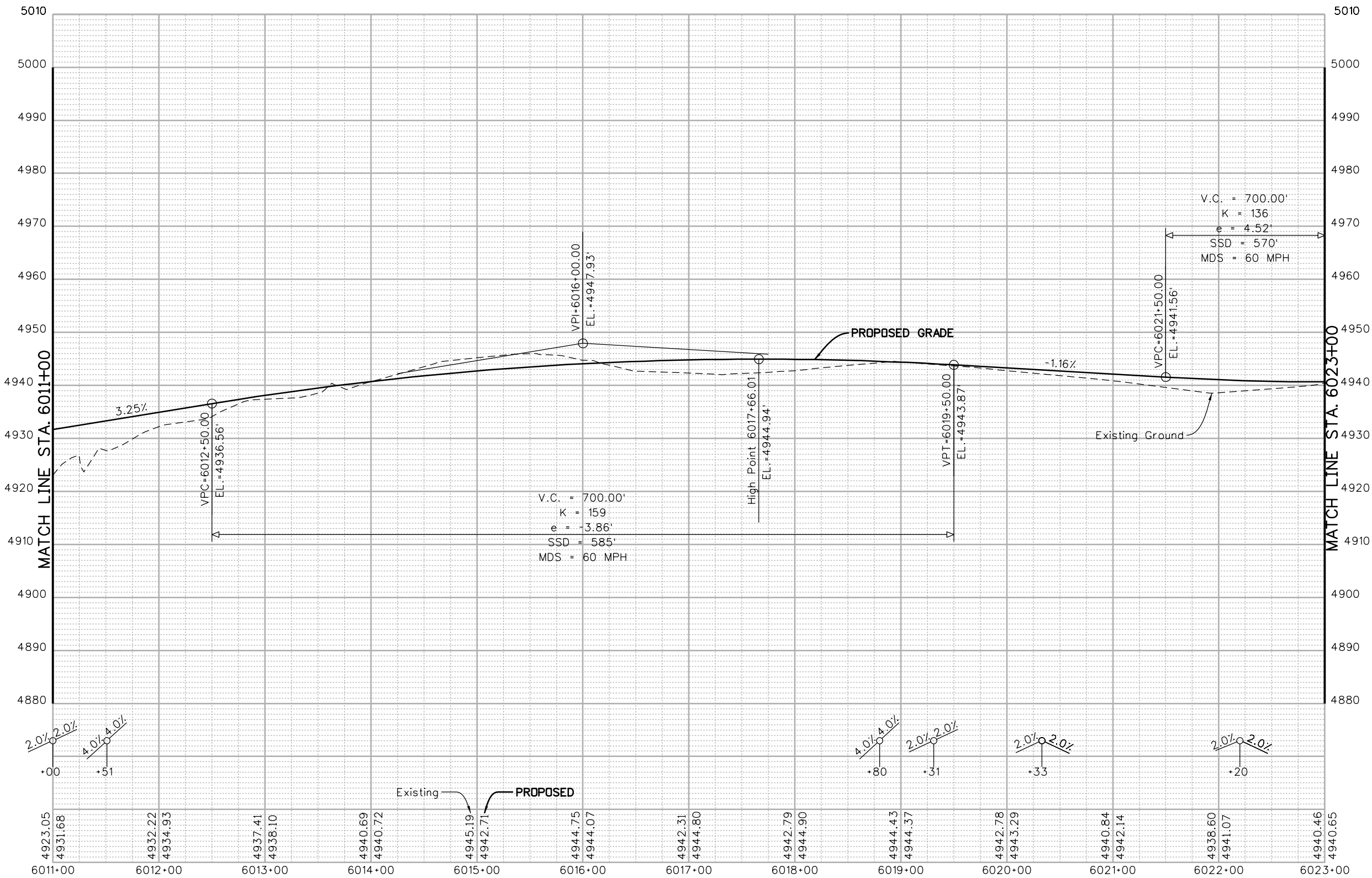
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Project No./Code	IM 0253-220
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Sheet Number	160

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Sheet Revisions		
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 Loveland, CO 80537
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Region 4

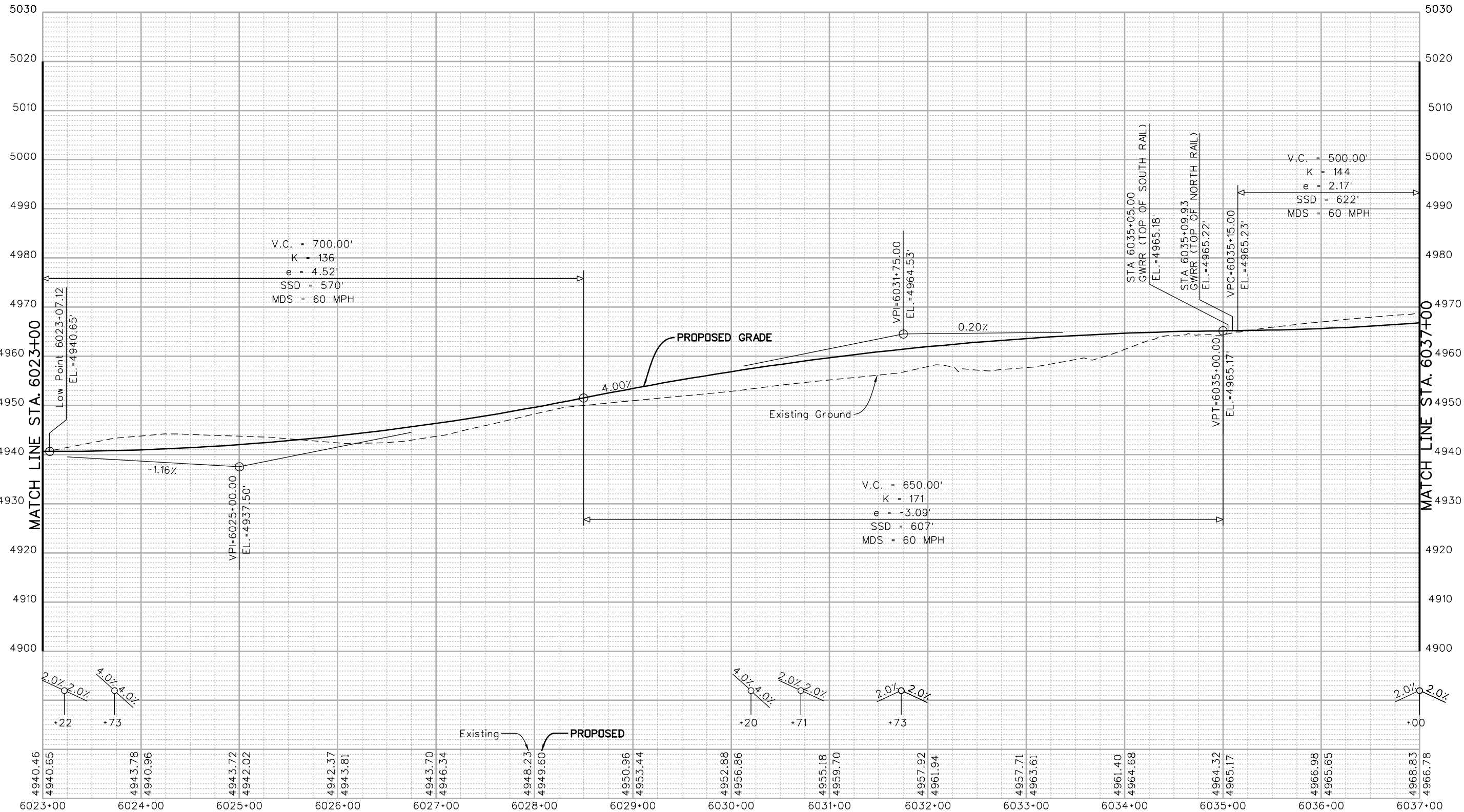
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Detailer:	MAW	Subset Sheets:	7 of 30
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Project No./Code
IM 0253-220
18319
Sheet Number 161

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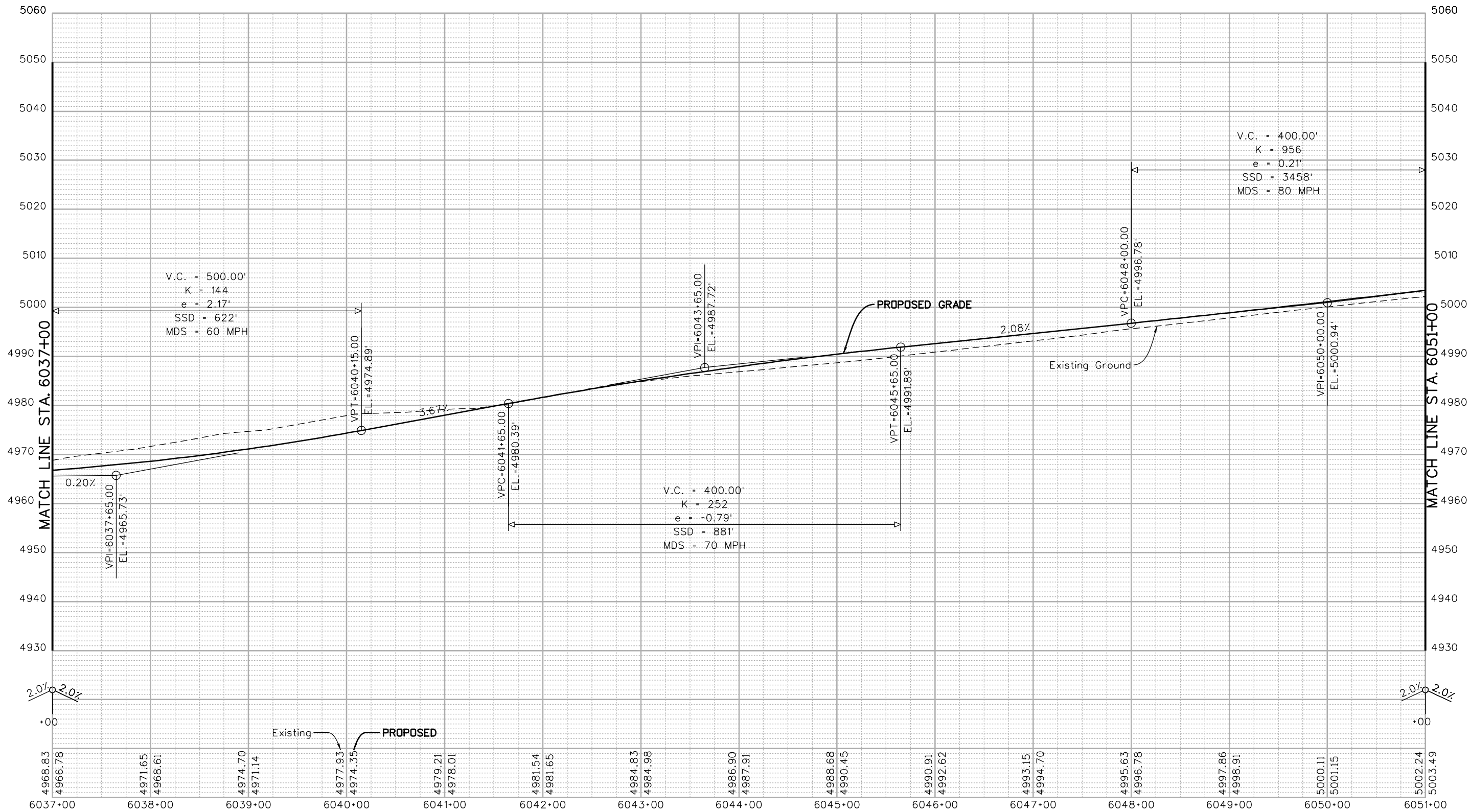
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Project No./Code	IM 0253-220
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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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2207 East Highway 402
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 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 **JFF**

As Constructed
No Revisions:
Revised:
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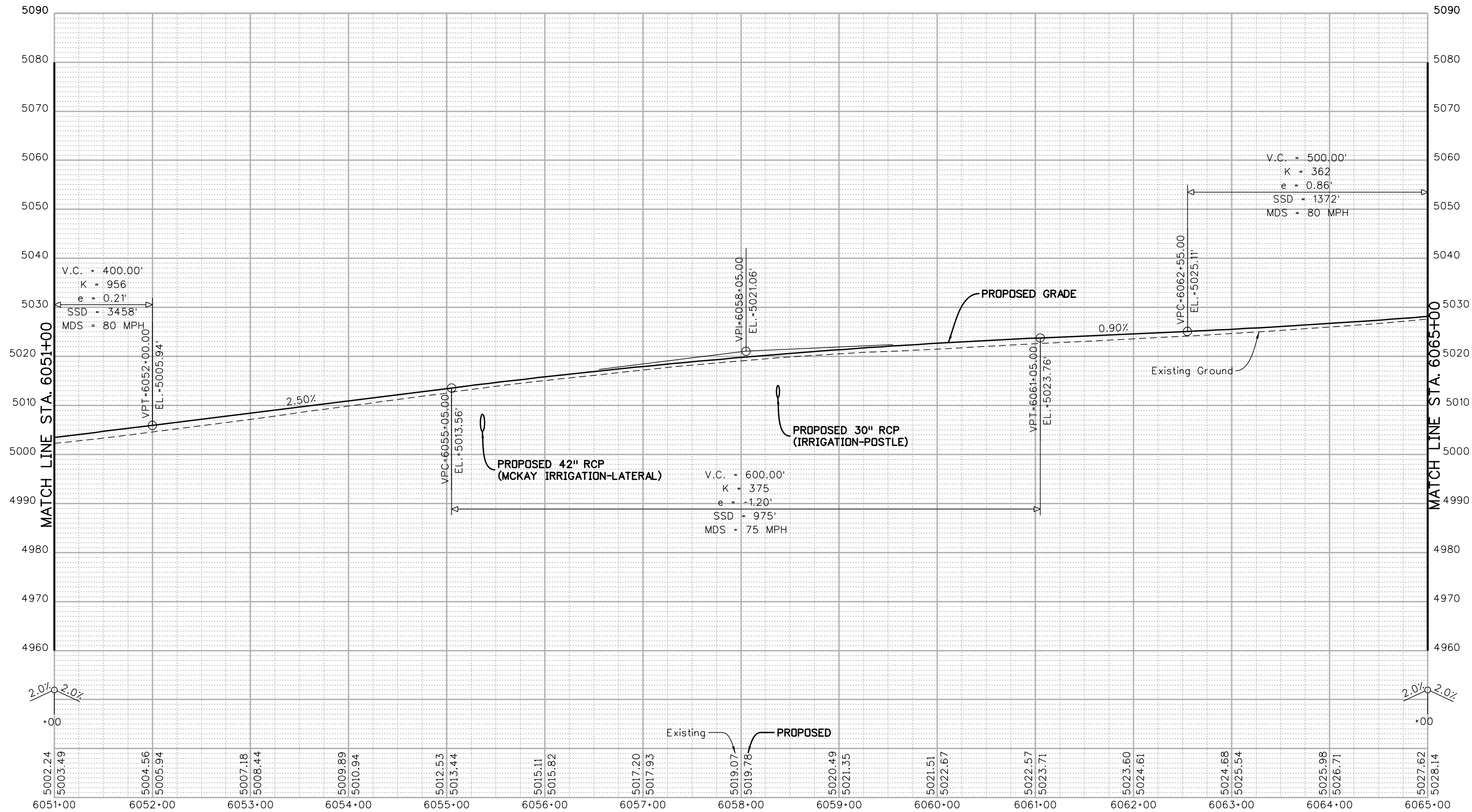
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	9 of 30
Sheet Subset:	PROFILE		

Project No./Code
IM 0253-220
18319
Sheet Number 163

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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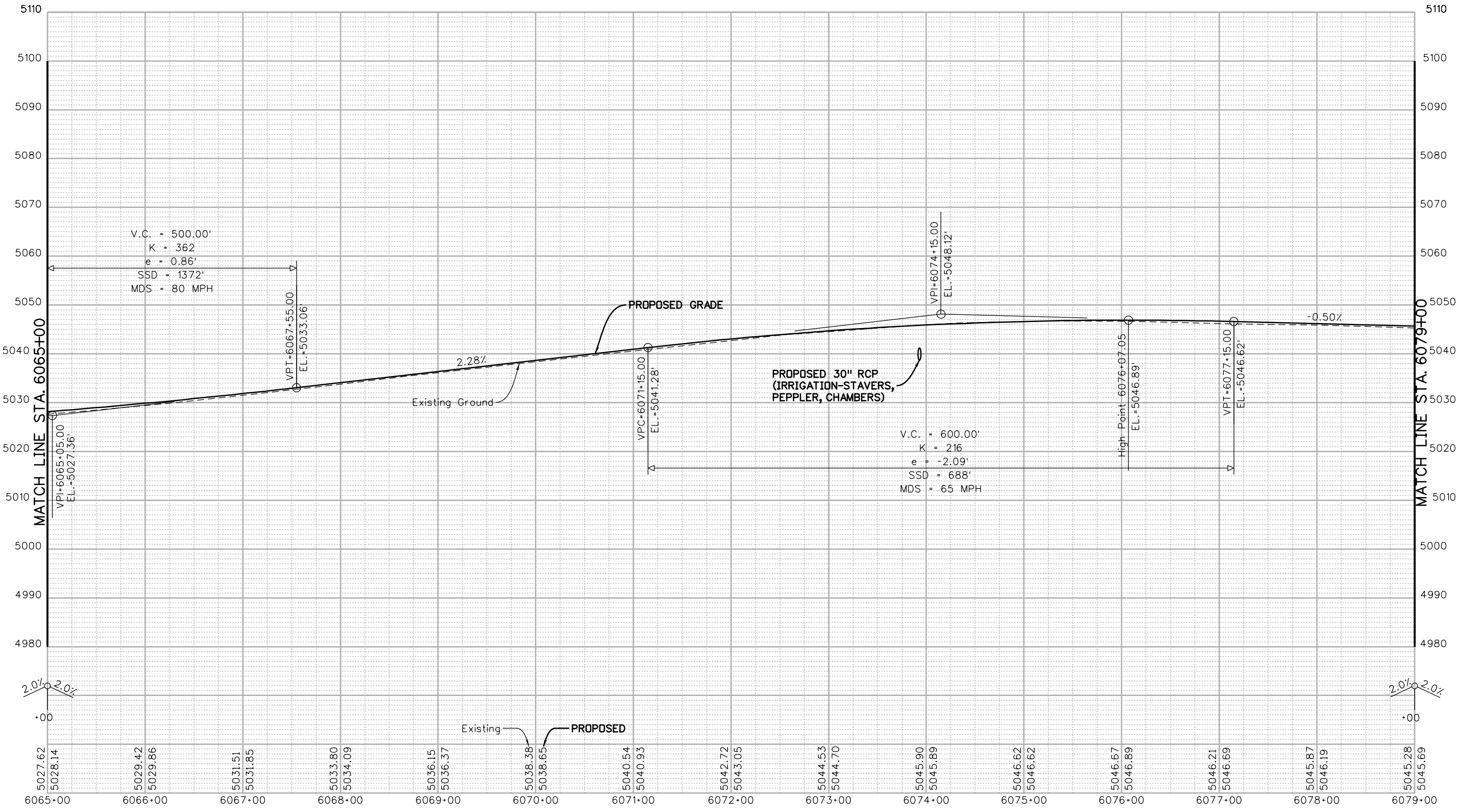
Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

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Detailer: MAW	Subset Sheets: 10 of 30	

Project No./Code	IM 0253-220
Sheet Number	164

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MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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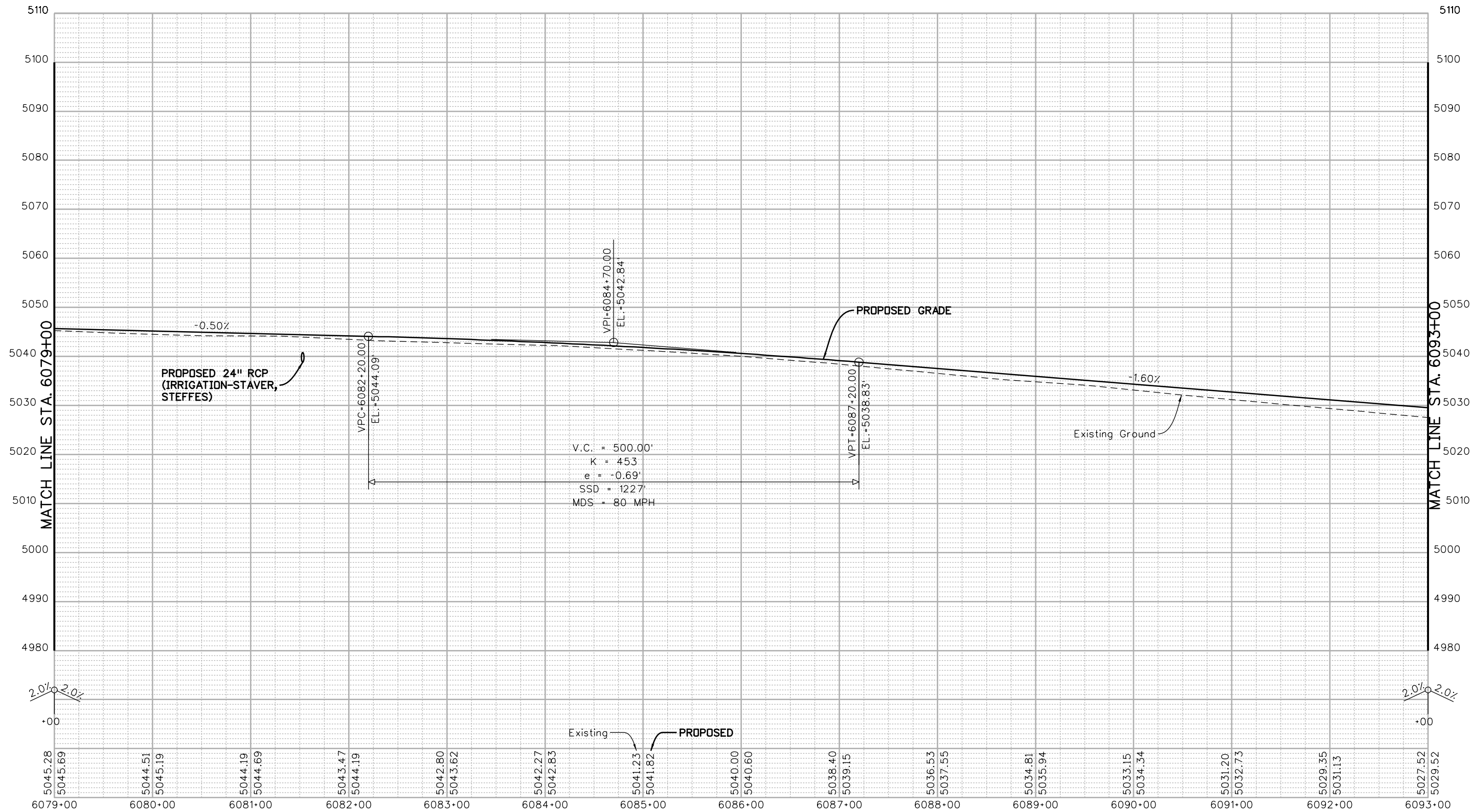
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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 JFF

As Constructed
No Revisions:
Revised:
Void:

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Detailer:	MAW	Subset Sheets:	11 of 30
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Project No./Code	IM 0253-220
	18319
Sheet Number	165

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Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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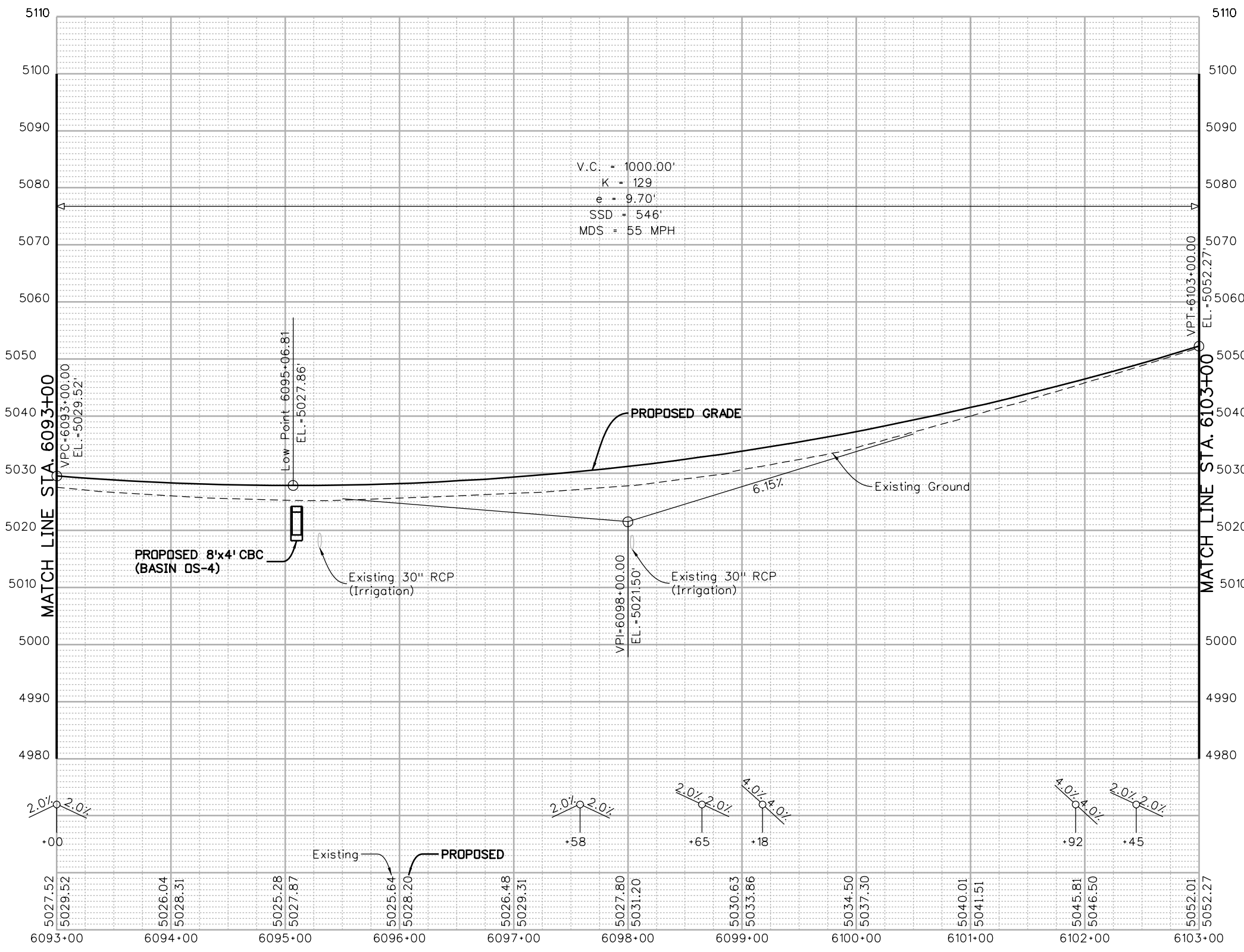
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STA. 6079+00 TO STA. 6093+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
Sheet Subset: PROFILE	Subset Sheets: 12 of 30

Project No./Code
IM 0253-220
18319
Sheet Number 166

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Print Date: 3/5/2015
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 CONSULTING ENGINEERS Lakewood, CO 80226
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Sheet Revisions		
Date:	Comments	Init.
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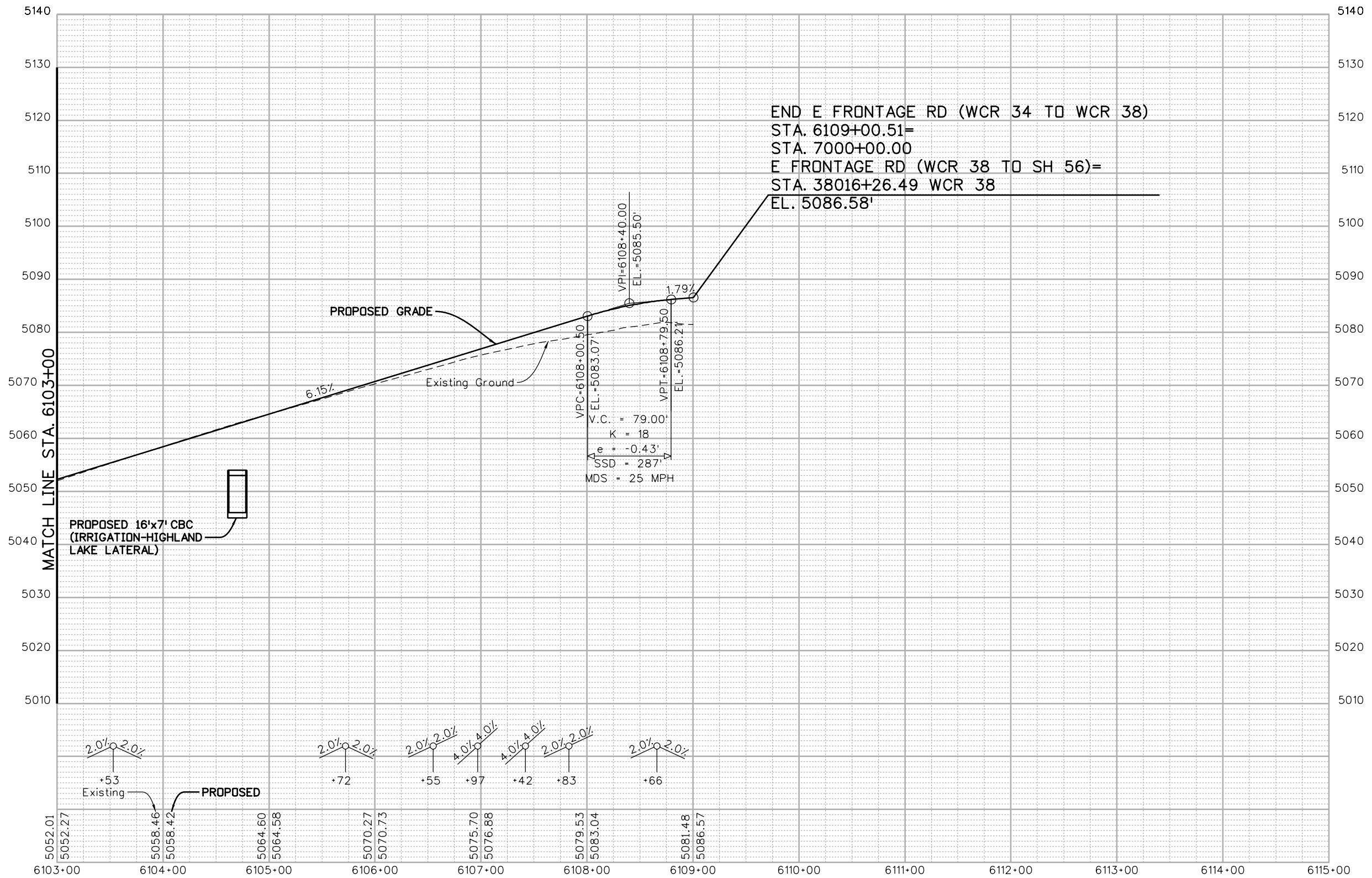
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
 No Revisions:
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I-25 FROM N/O SH 66 TO N/O SH 56
E. FRONTAGE RD. PROFILE
STA. 6093+00 TO STA. 6103+00
 Designer: RKZ Structure Numbers
 Detailer: MAW
 Sheet Subset: PROFILE Subset Sheets: 13 of 30

Project No./Code
 IM 0253-220
 18319
 Sheet Number **167**

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
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 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

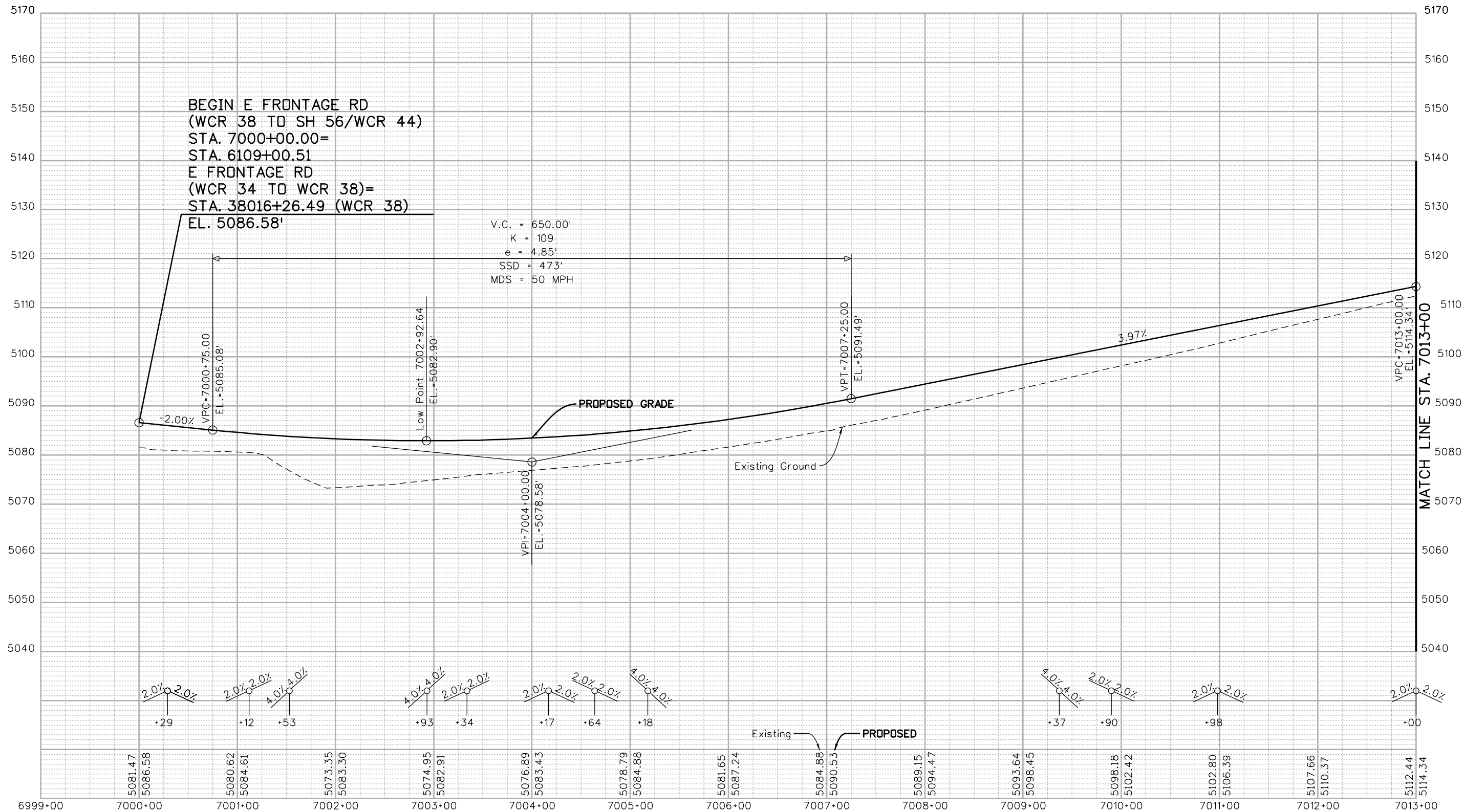
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code	IM 0253-220
	18319
Sheet Number	168

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	

Sheet Revisions		
Date:	Comments	Init.

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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

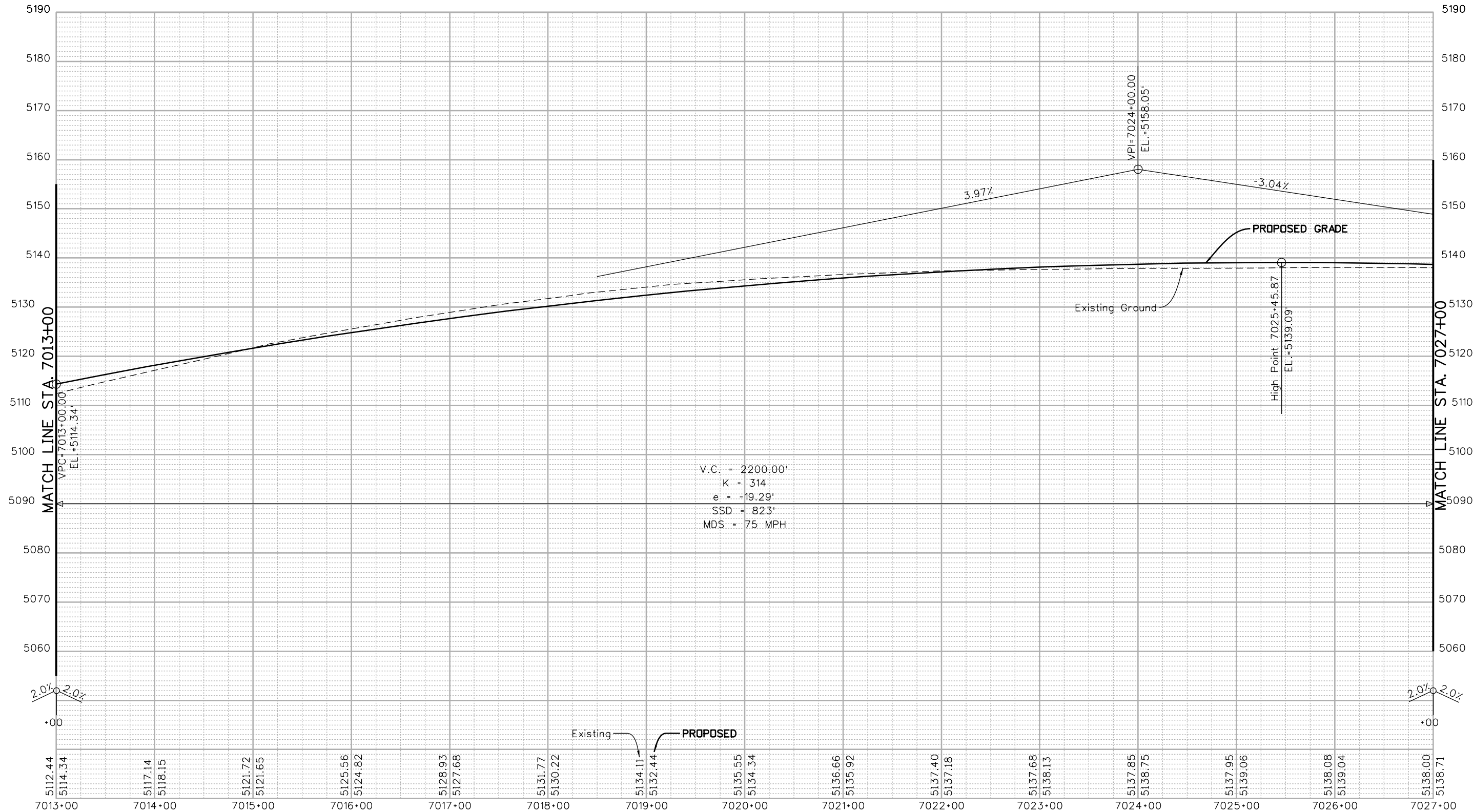
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	15 of 30

Project No./Code	IM 0253-220
	18319
Sheet Number	169

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Unit Information	Unit Leader Initials
MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.
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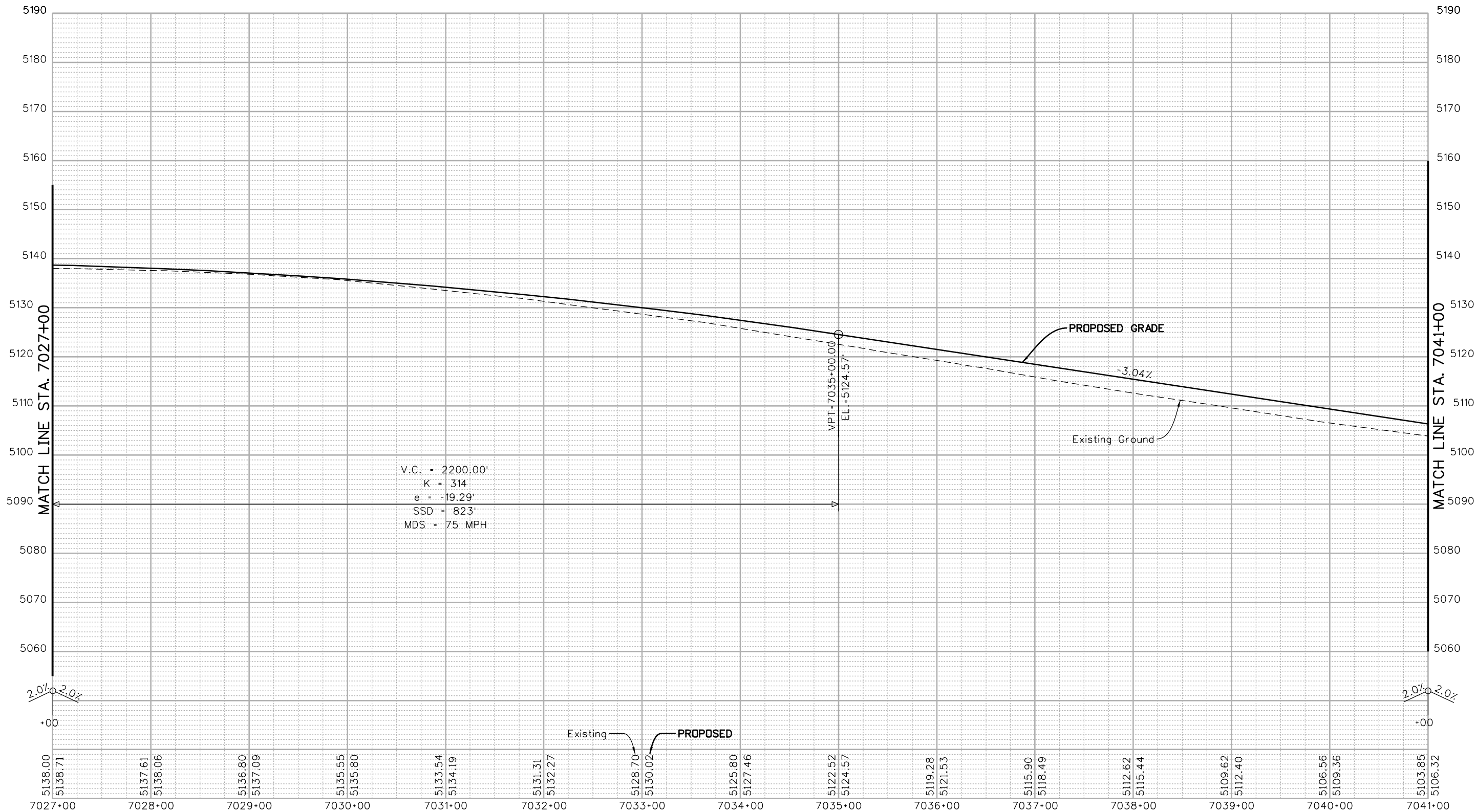
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 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56		
E. FRONTAGE RD. PROFILE		
STA. 7013+00 TO STA. 7027+00		
Designer: RKZ	Structure Numbers	
Detailer: MAW	Subset Sheets:	16 of 30

Project No./Code
IM 0253-220
18319
Sheet Number 170

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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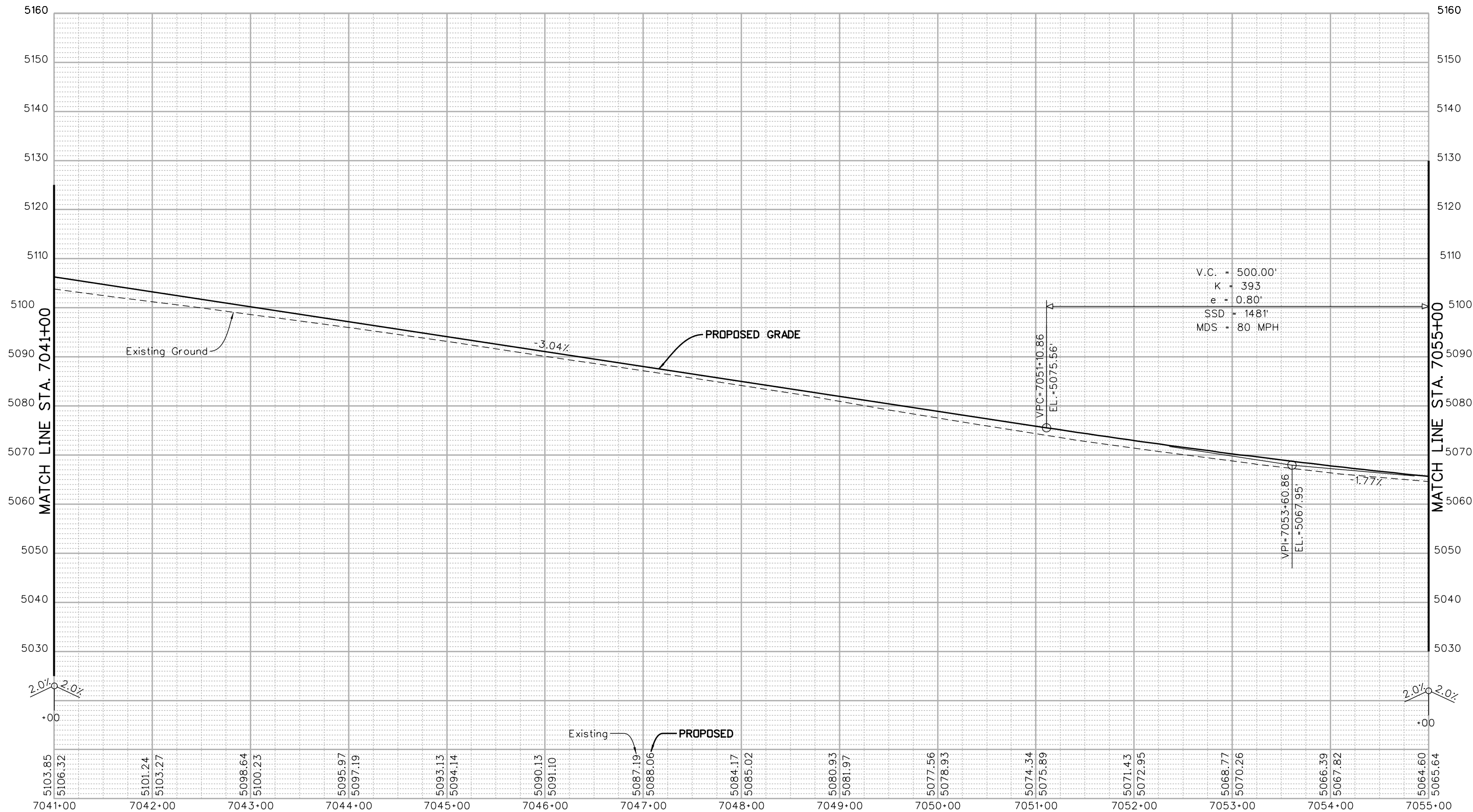
Region 4 JFF

As Constructed
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Revised:
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	17 of 30
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Project No./Code	IM 0253-220
	18319
Sheet Number	171

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Sheet Revisions		
Date:	Comments	Init.
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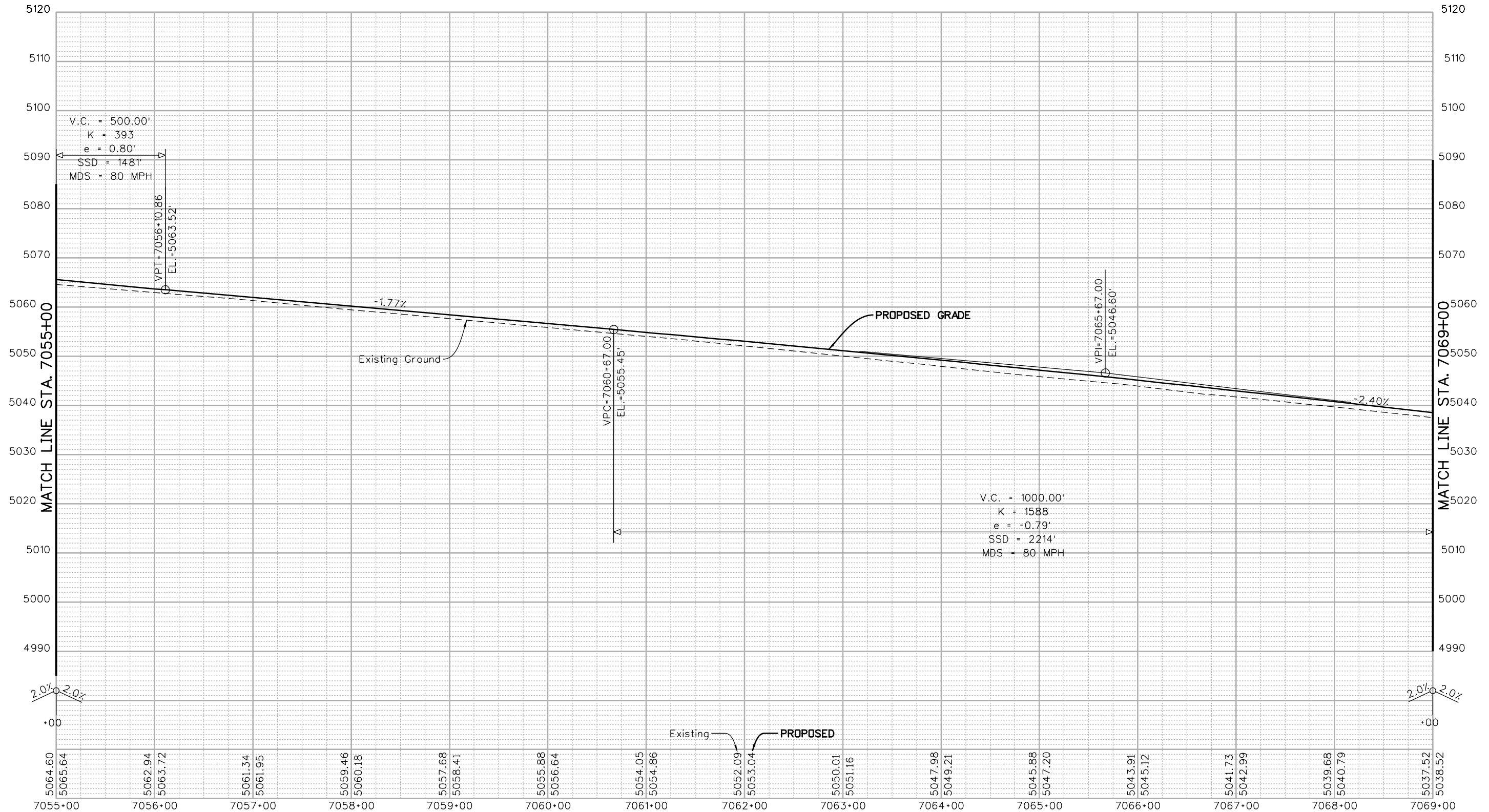
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

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E. FRONTAGE RD. PROFILE			
STA. 7041+00 TO STA. 7055+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 172

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 CONSULTING ENGINEERS Lakewood, CO 80226
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Sheet Revisions		
Date:	Comments	Init.
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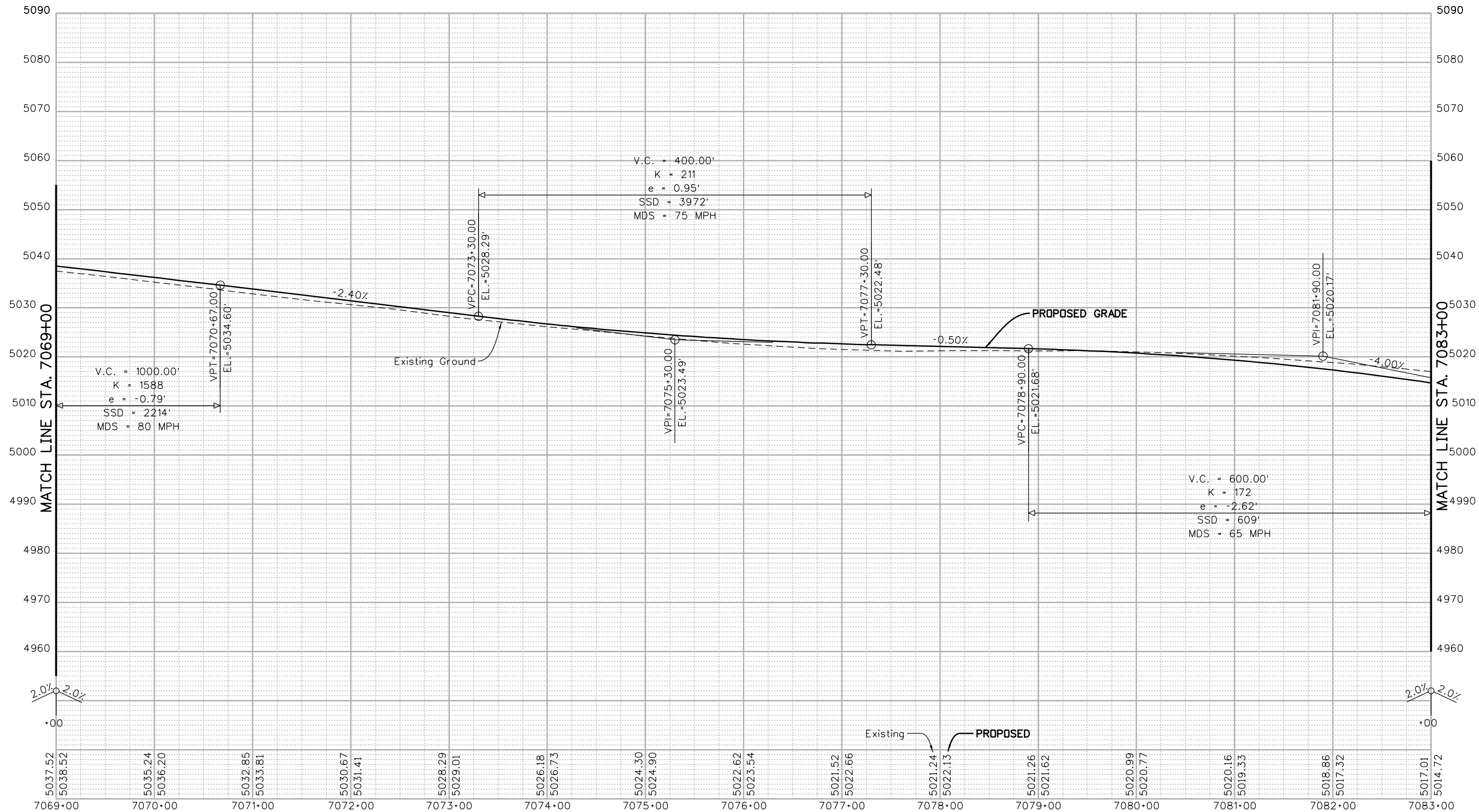
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
 No Revisions:
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I-25 FROM N/O SH 66 TO N/O SH 56
E. FRONTAGE RD. PROFILE
STA. 7055+00 TO STA. 7069+00
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 Detailer: MAW
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Project No./Code
 IM 0253-220
 18319
 Sheet Number **173**

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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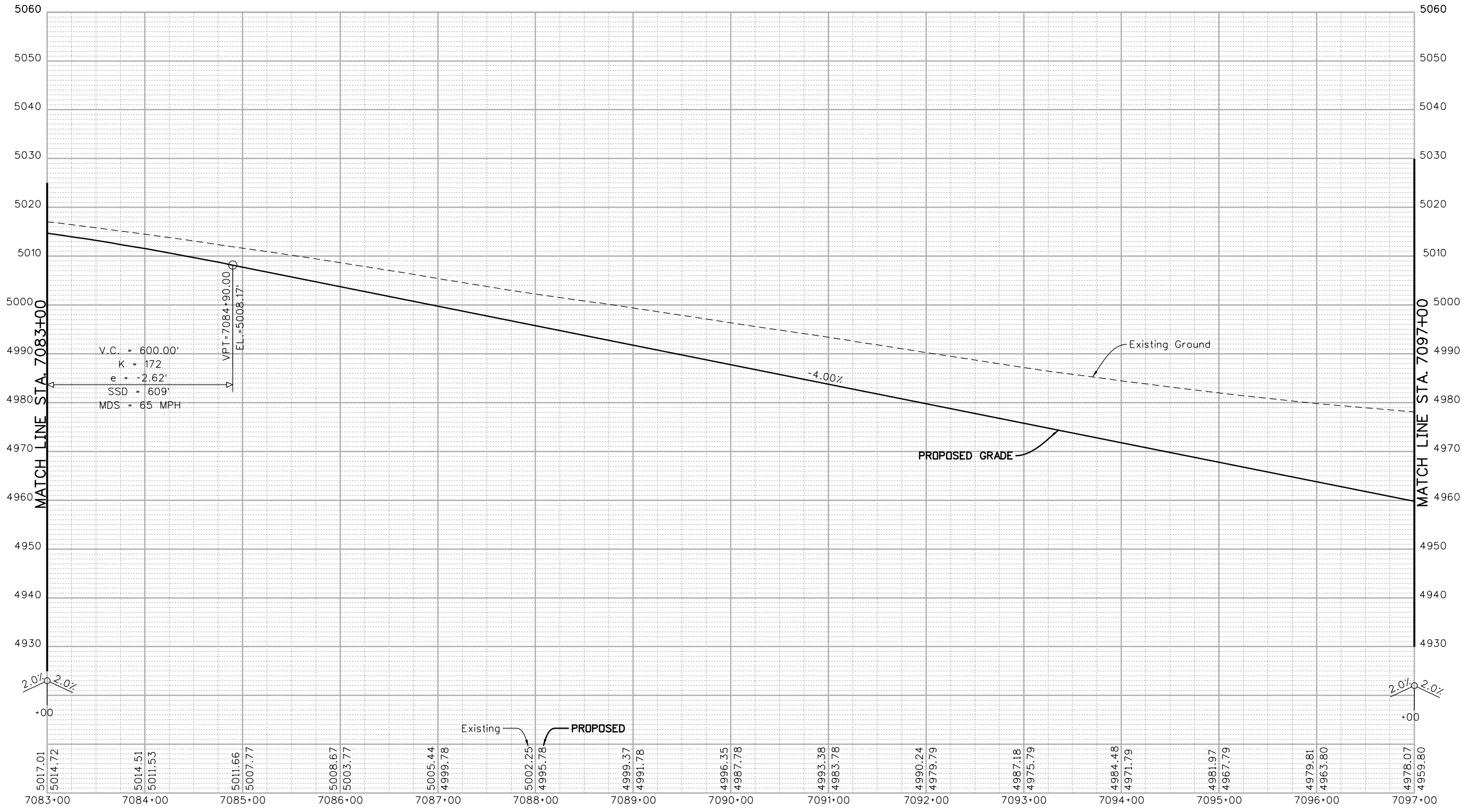
Region 4 JFF

As Constructed
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Revised:
Void:

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Detailer:	MAW	Subset Sheets:	20 of 30
Sheet Subset:	PROFILE		

Project No./Code	IM 0253-220
	18319
Sheet Number	174

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Unit Information	Unit Leader Initials
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Date:	Comments	Init.
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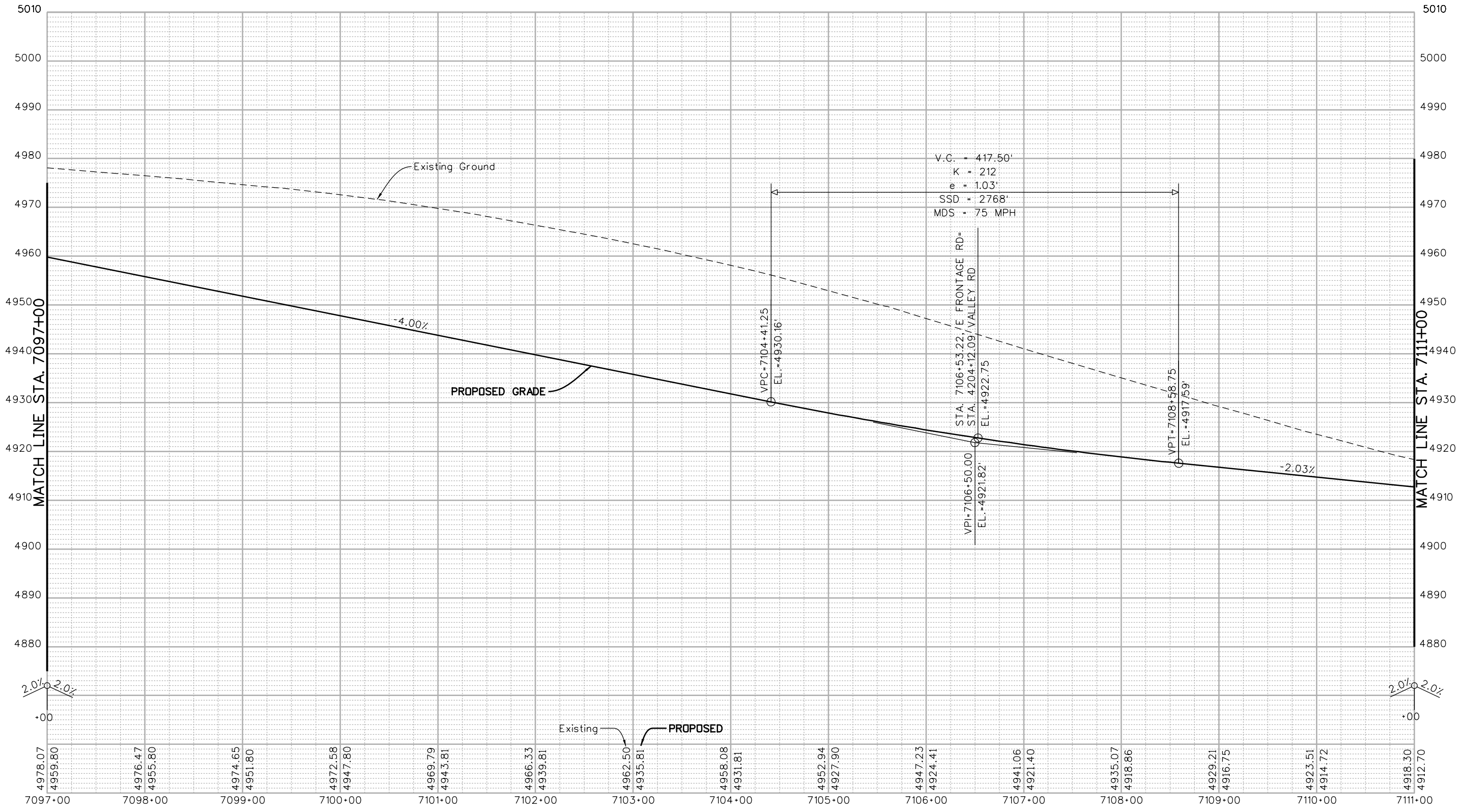
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56			
E. FRONTAGE RD. PROFILE			
STA. 7083+00 TO STA. 7097+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 175

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.
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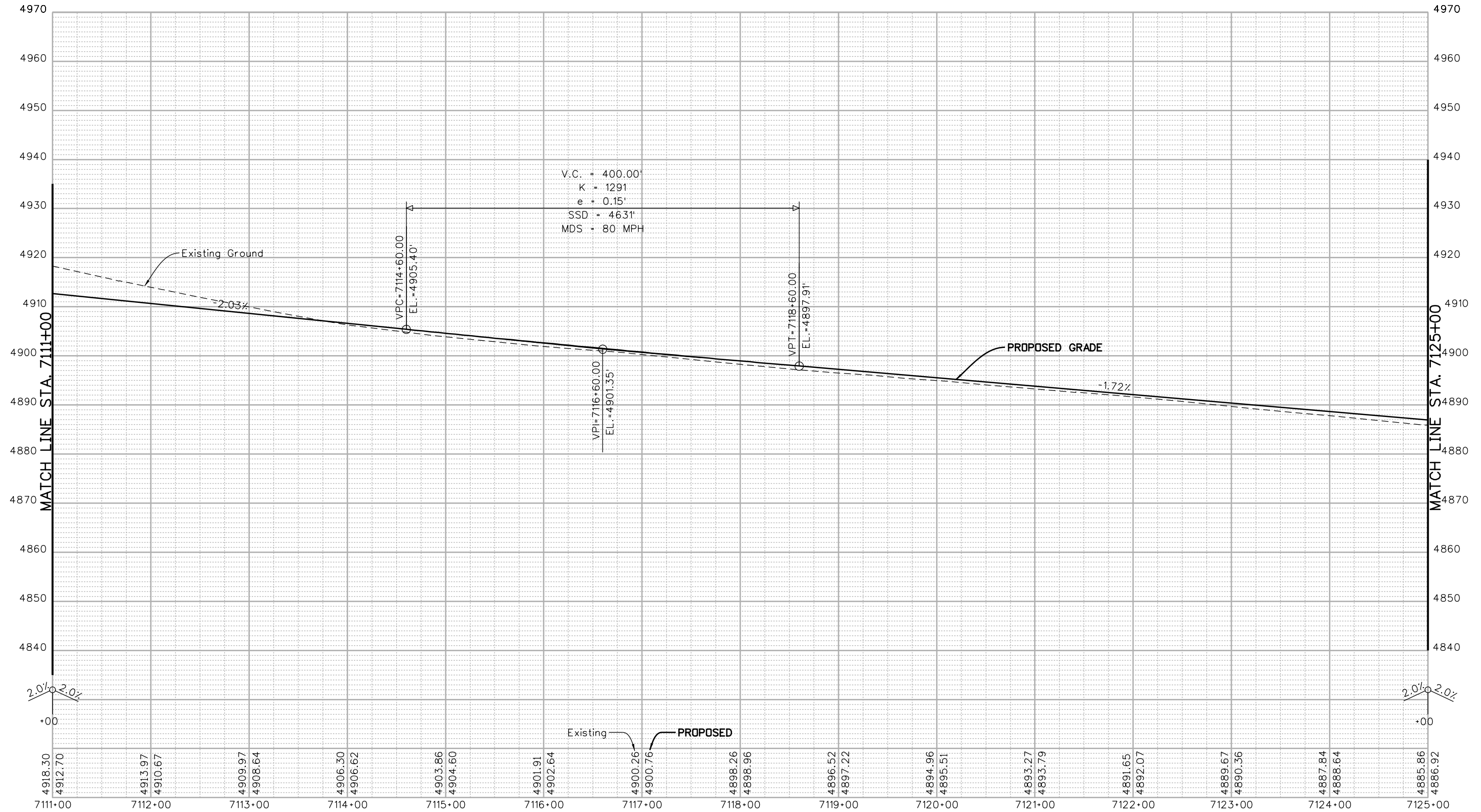
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56		
E. FRONTAGE RD. PROFILE		
STA. 7097+00 TO STA. 7111+00		
Designer: RKZ	Structure Numbers	
Detailer: MAW		
Sheet Subset: PROFILE	Subset Sheets: 22 of 30	

Project No./Code
IM 0253-220
18319
Sheet Number 176

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Sheet Revisions		
Date:	Comments	Init.
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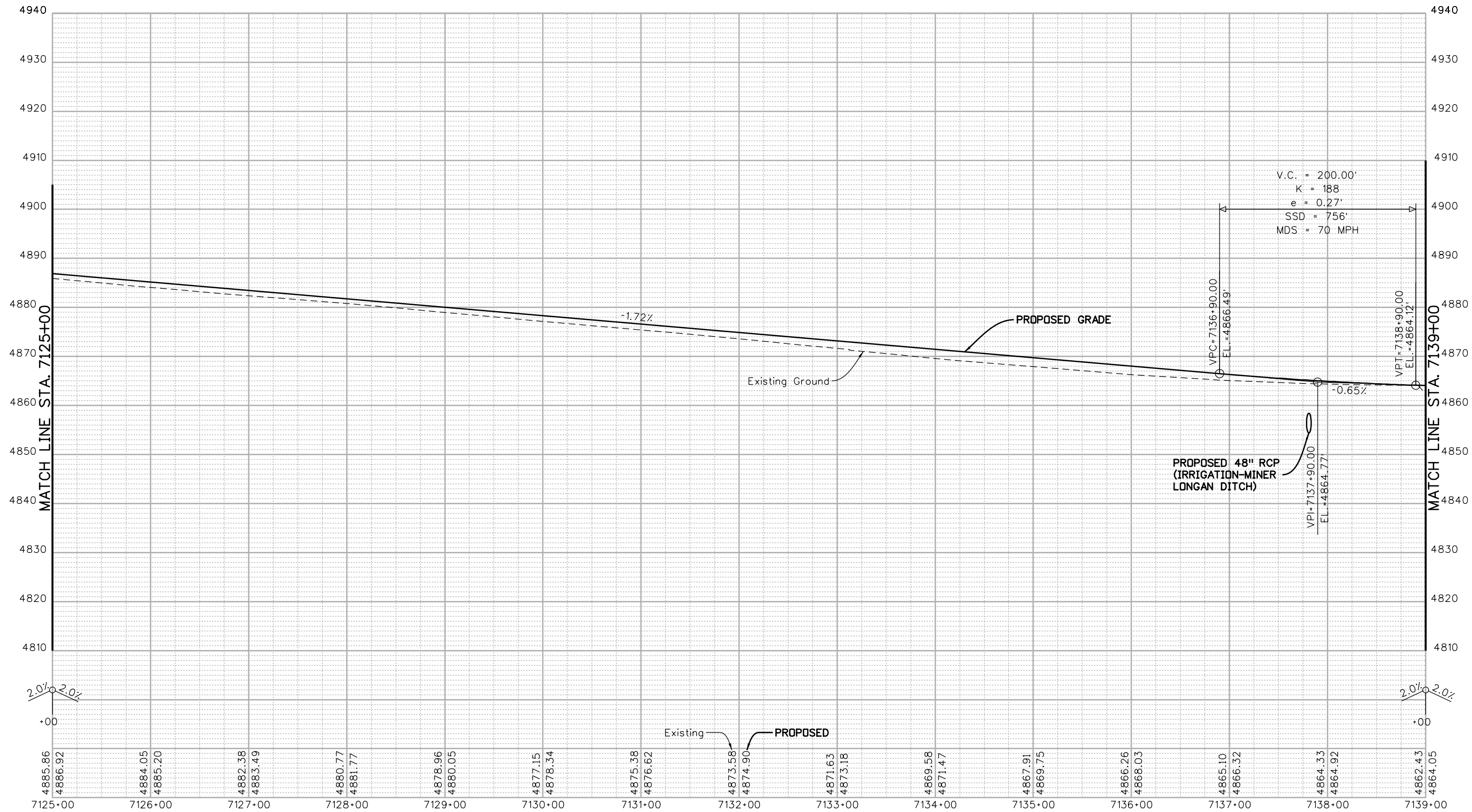
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 Region 4 JFF

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No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56		
E. FRONTAGE RD. PROFILE		
STA. 7111+00 TO STA. 7125+00		
Designer:	RKZ	Structure
Detailer:	MAW	Numbers
Sheet Subset:	PROFILE	Subset Sheets: 23 of 30

Project No./Code	IM 0253-220
	18319
Sheet Number	177


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Sheet Revisions		
Date:	Comments	Init.
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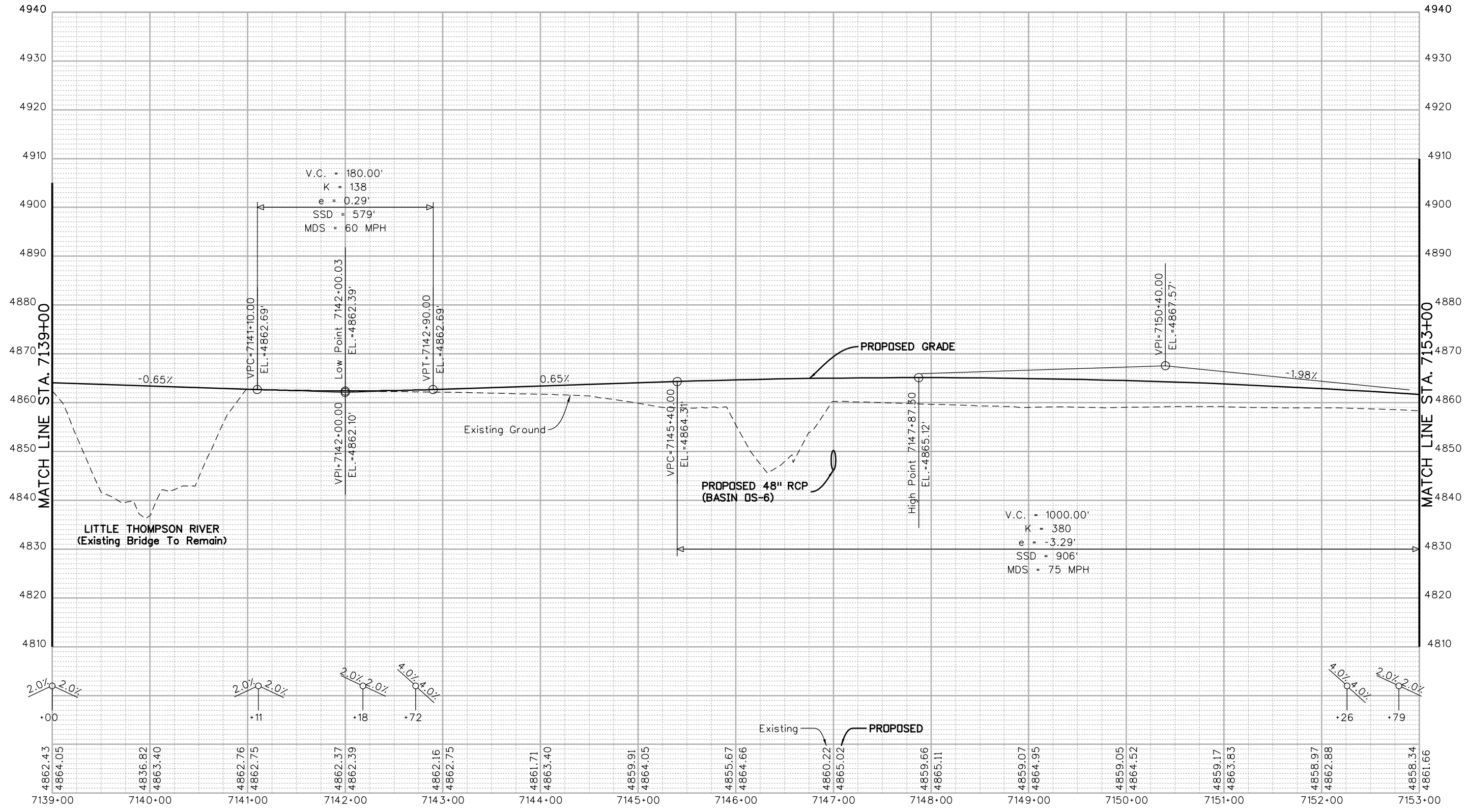
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As Constructed
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Void:

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Designer: RKZ	Structure Numbers	
Detailer: MAW	Subset Sheets:	24 of 30
Sheet Subset: PROFILE		

Project No./Code
IM 0253-220
18319
Sheet Number 178

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MULLER ENGINEERING CO., INC. CONSULTING ENGINEERS Pz/12-003.01/18319/Design/	777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

As Constructed	No Revisions:
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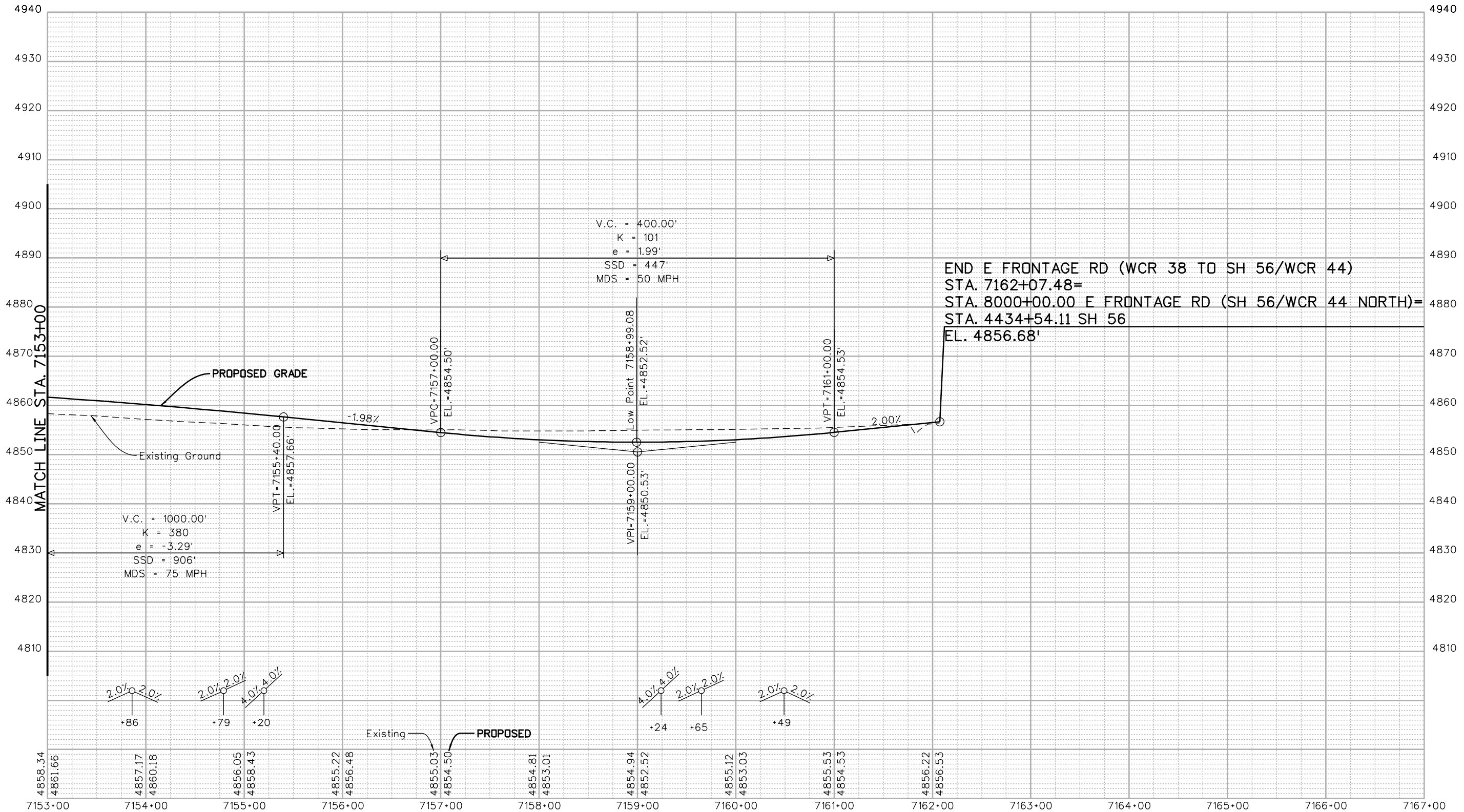
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Detailer:	MAW	Subset Sheets:	25 of 30
Sheet Subset:	PROFILE		

Project No./Code	IM 0253-220
	18319
Sheet Number	179

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END E FRONTAGE RD (WCR 38 TO SH 56/WCR 44)
 STA. 7162+07.48=
 STA. 8000+00.00 E FRONTAGE RD (SH 56/WCR 44 NORTH)=
 STA. 4434+54.11 SH 56
 EL. 4856.68'

Print Date: 3/5/2015	
Drawing File Name: 18319DES_EFR-Prof.dgn	
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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4-100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

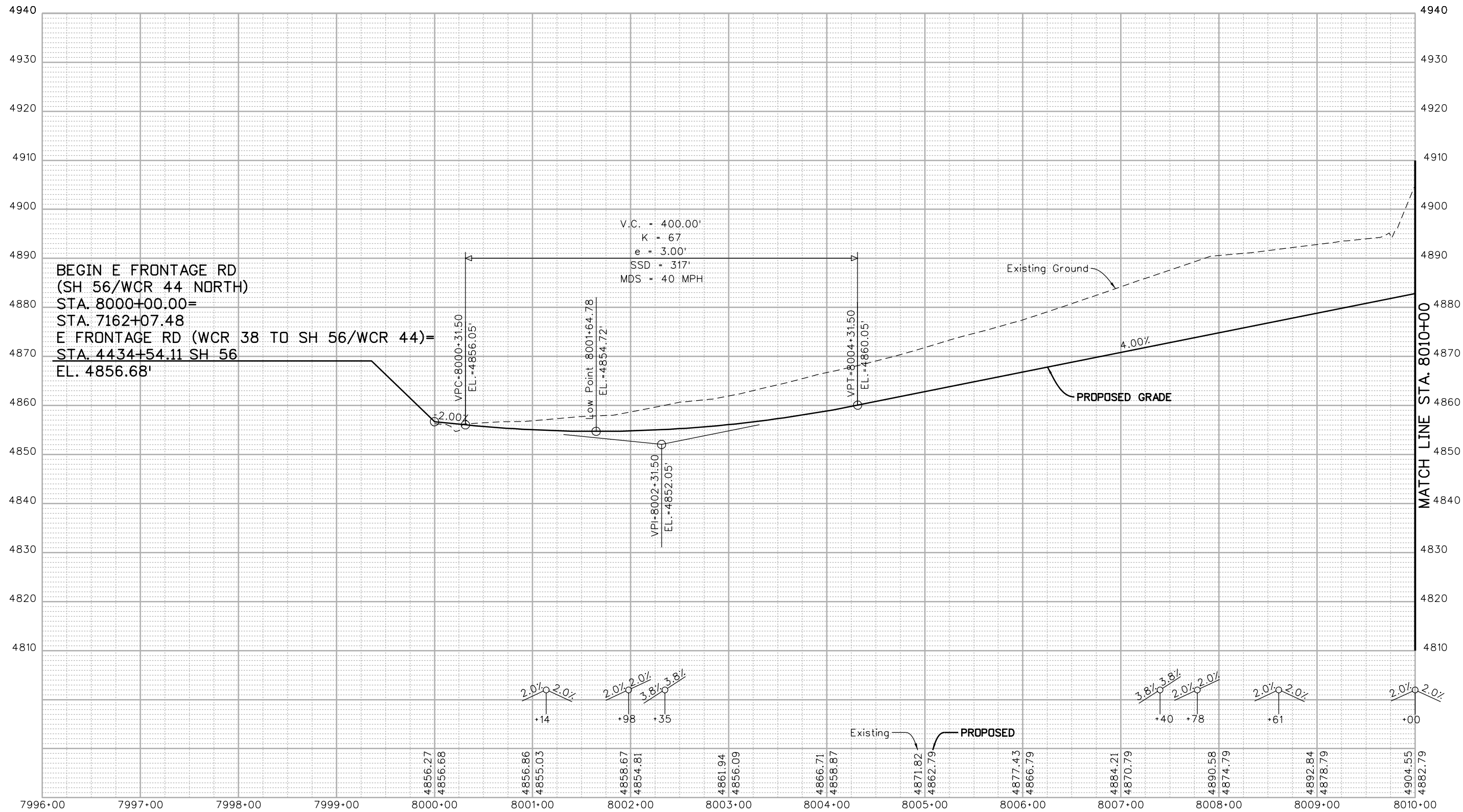
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Designer: RKZ	Structure Numbers
Detailer: MAW	
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Project No./Code
IM 0253-220
18319
Sheet Number 180

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MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. CONSULTING ENGINEERS #4 - 100 Lakewood, CO 80226 P: 303-988-4939	

Sheet Revisions		
Date:	Comments	Init.

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 Loveland, CO 80537
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 Region 4 JFF

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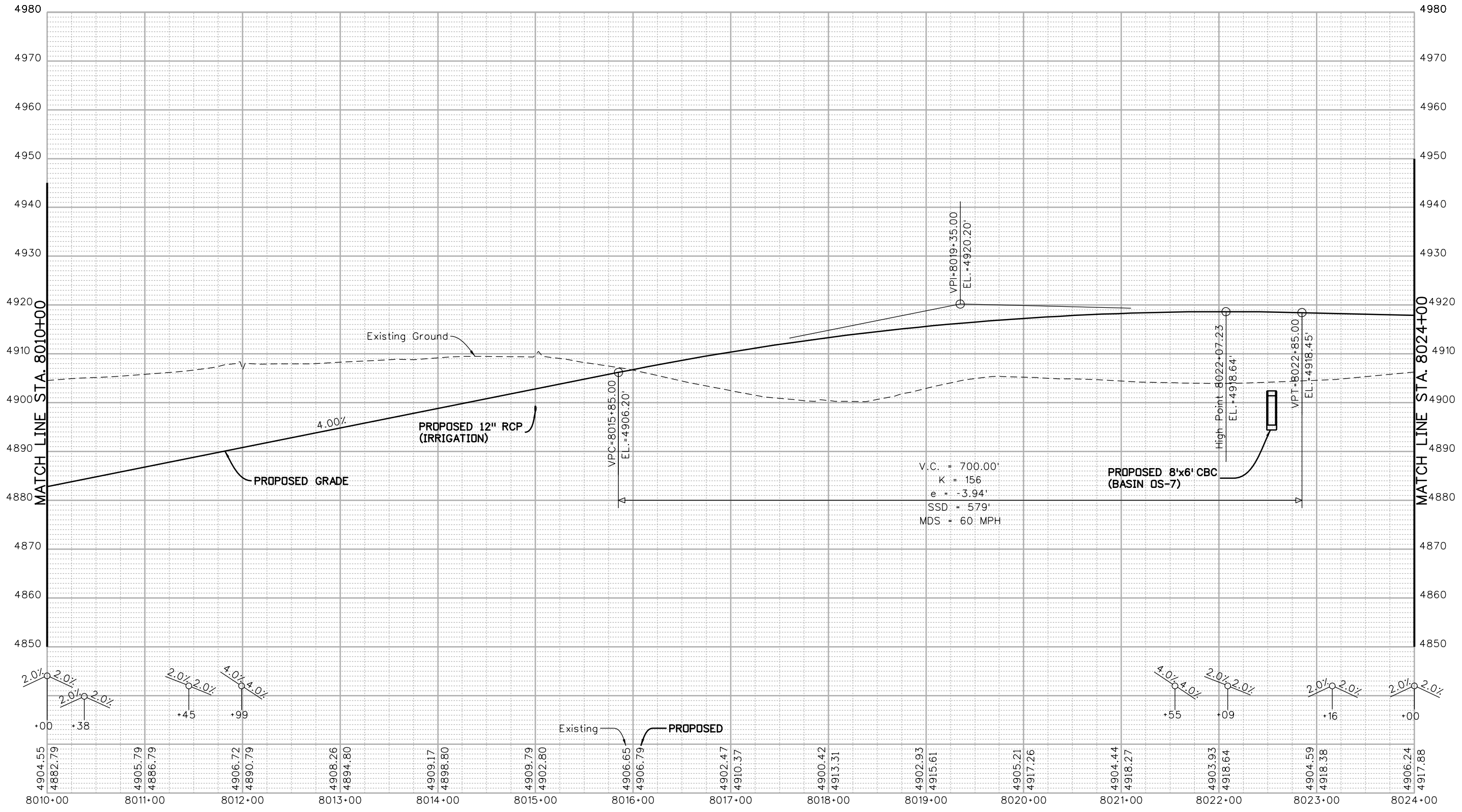
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Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	27 of 30

Project No./Code	IM 0253-220
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Sheet Number	181

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Unit Information	Unit Leader Initials
MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

Sheet Revisions		
Date:	Comments	Init.

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 Loveland, CO 80537
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 Region 4 JFF

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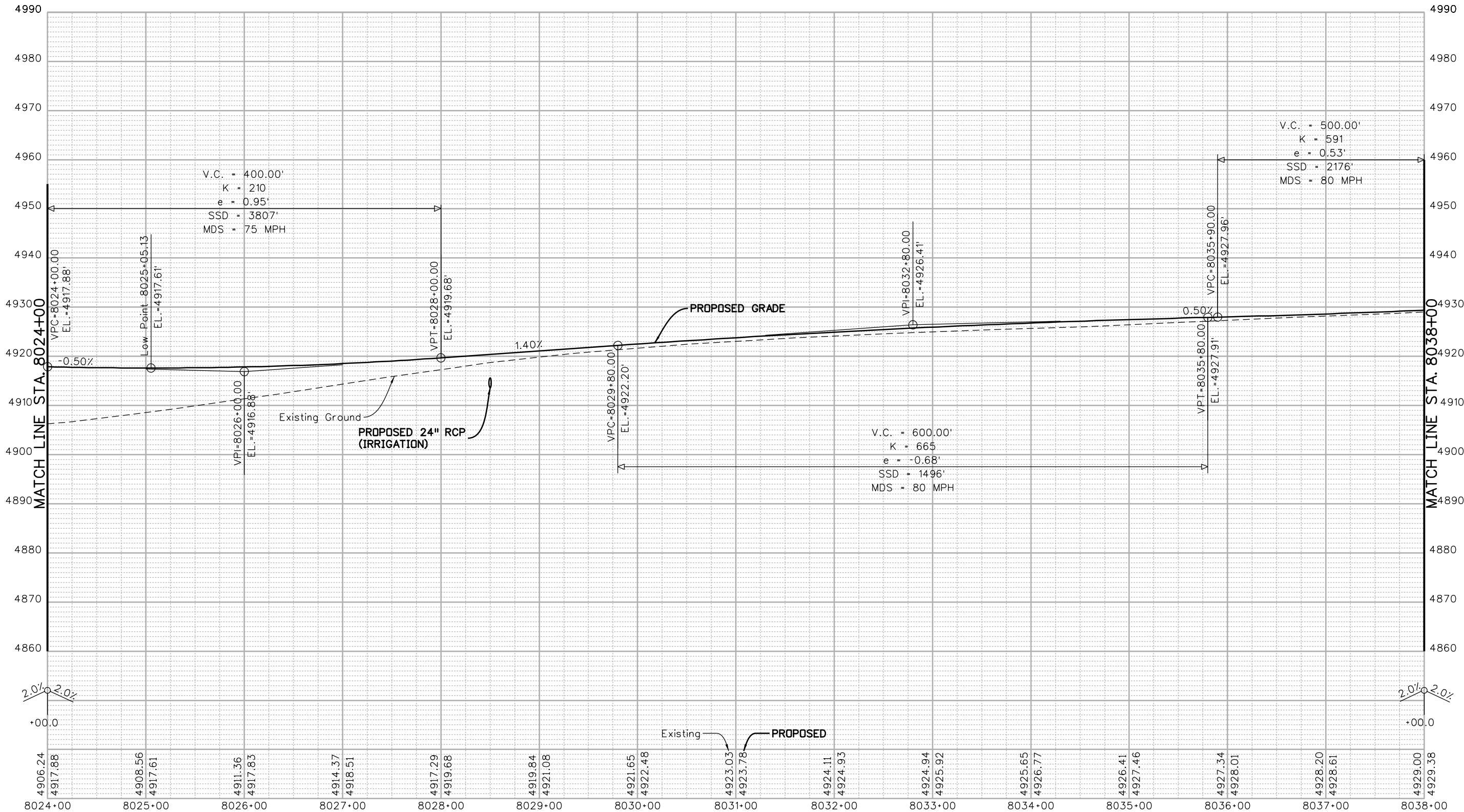
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Detailer: MAW		
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Project No./Code	IM 0253-220
	18319
Sheet Number	182

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Date:	Comments	Init.

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 Loveland, CO 80537
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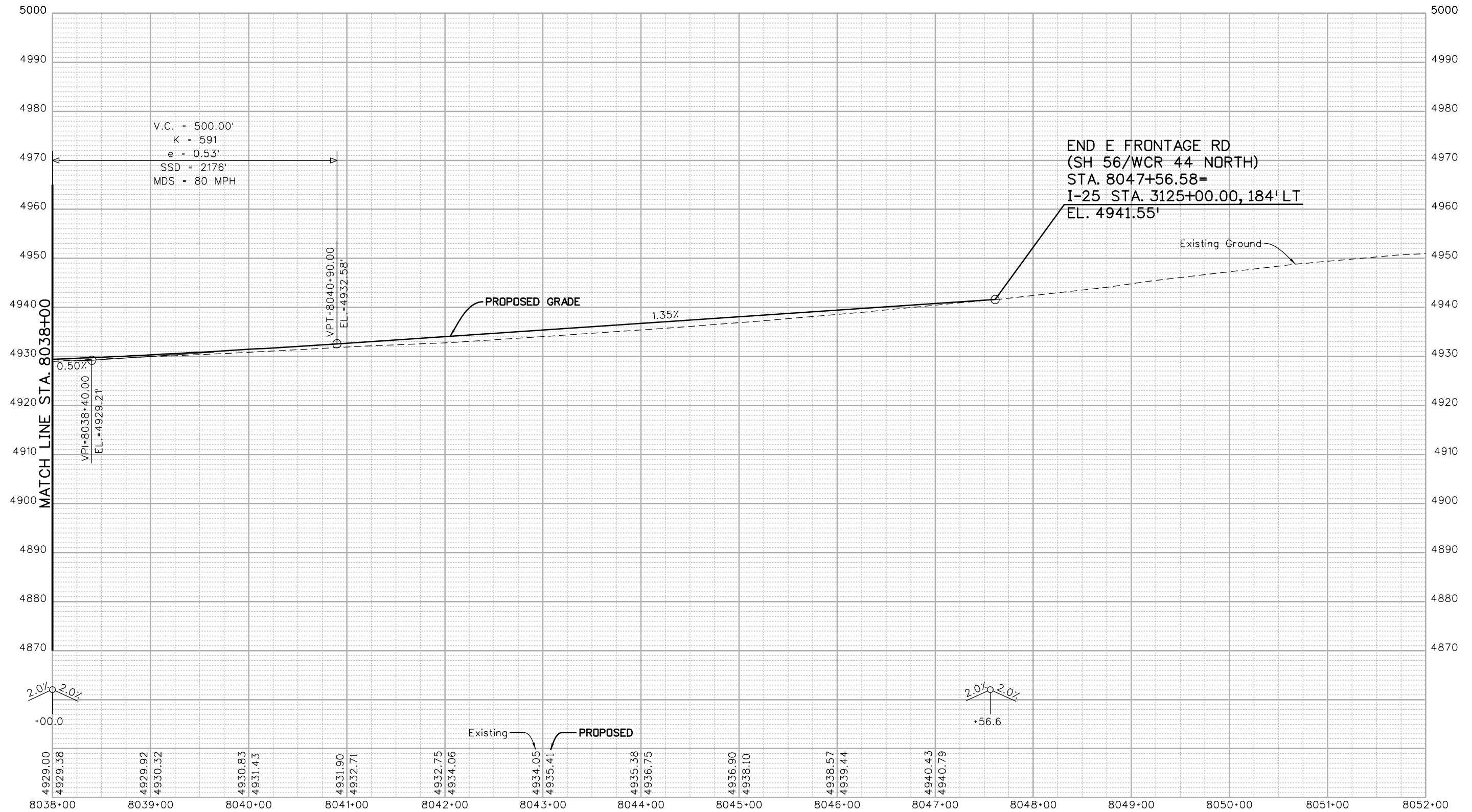
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STA. 8024+00 TO STA. 8038+00		
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Detailer: MAW	Subset Sheets:	29 of 30

Project No./Code
IM 0253-220
18319
Sheet Number 183

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Sheet Revisions		
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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

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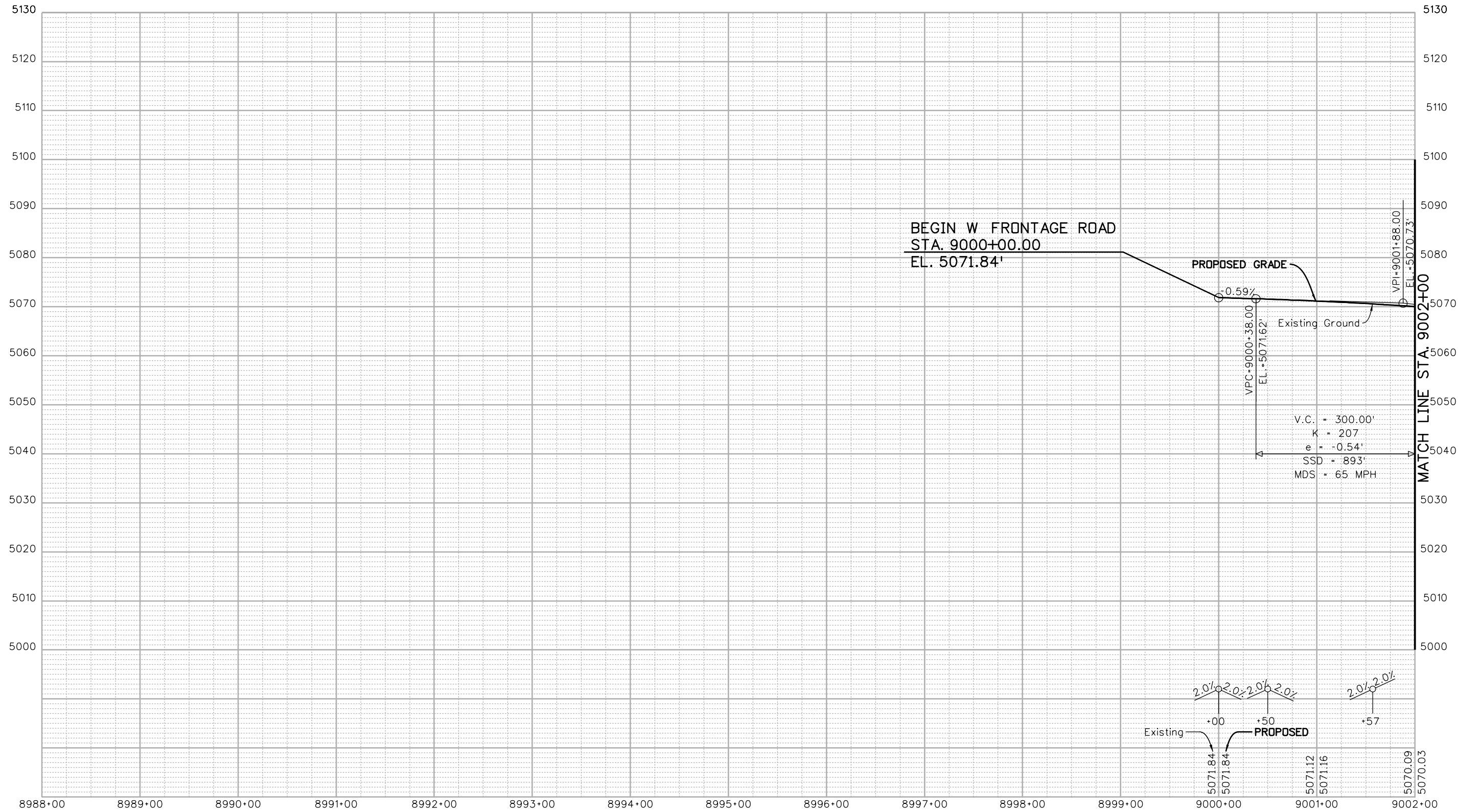
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Detailer:	MAW	Numbers	
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Project No./Code
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18319
Sheet Number 184

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MULLER CONSULTING ENGINEERS	MULLER ENGINEERING CO., INC. 777 S. Wadsworth Blvd. #4 - 100 Lakewood, CO 80226 303-988-4939

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Colorado Department of Transportation

 2207 East Highway 402
 Loveland, CO 80537
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Region 4 **JFF**

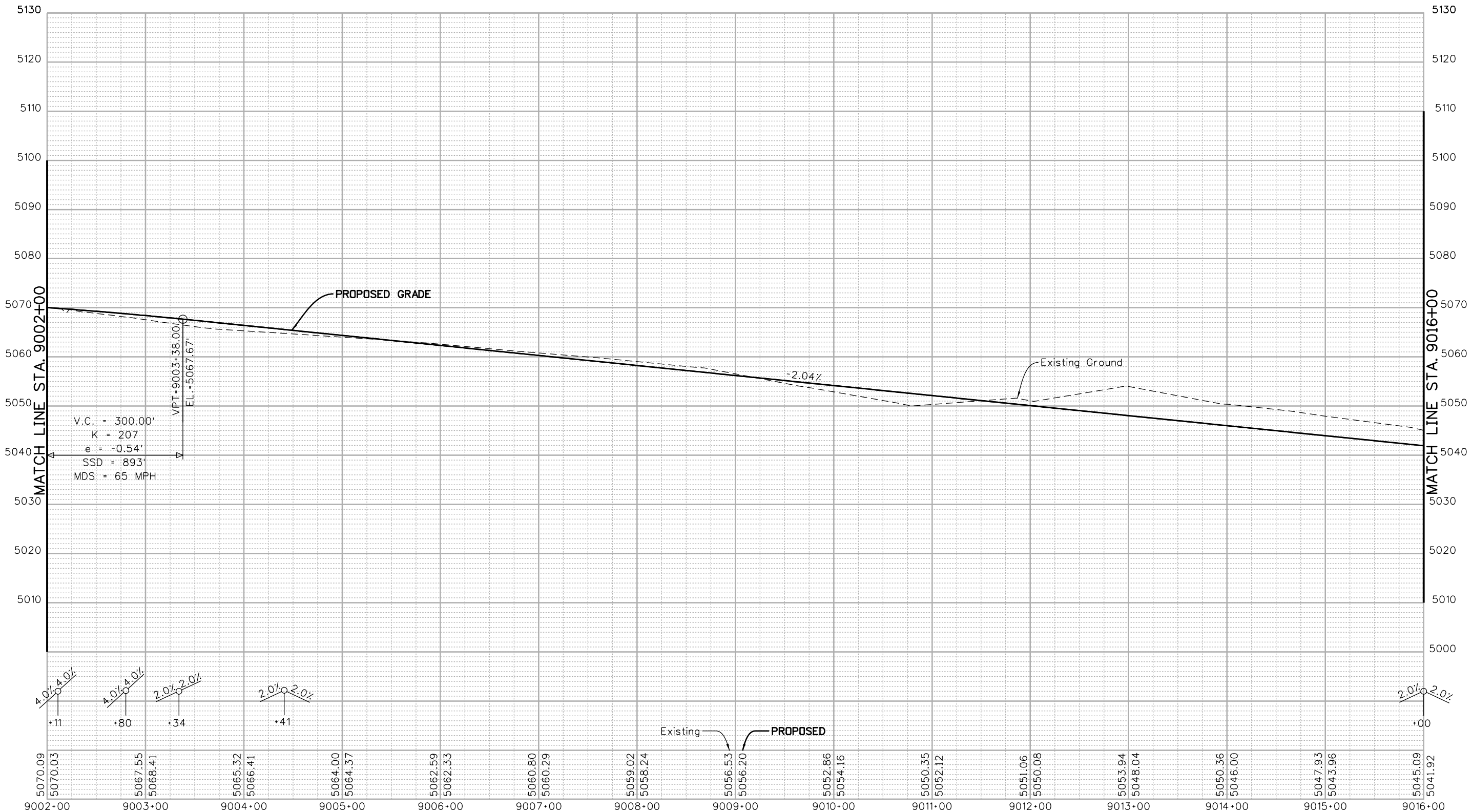
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Designer: RKZ	Structure Numbers
Detailer: MAW	
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Project No./Code
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18319
Sheet Number 185

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

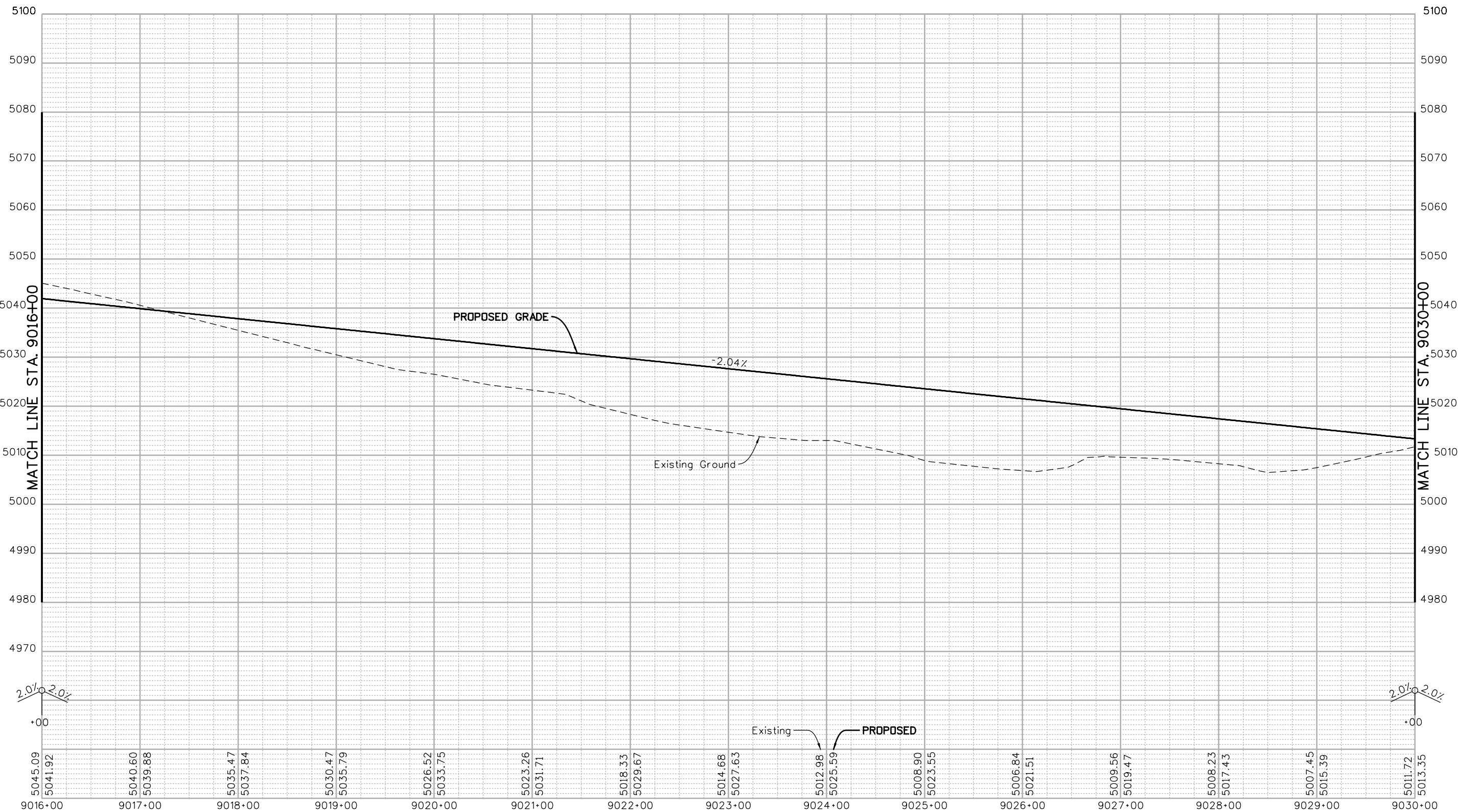
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Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	2 of 8

Project No./Code
IM 0253-220
18319
Sheet Number 186

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Unit Information	Unit Leader Initials
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Sheet Revisions		
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 2207 East Highway 402
 Loveland, CO 80537
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 Region 4 JFF

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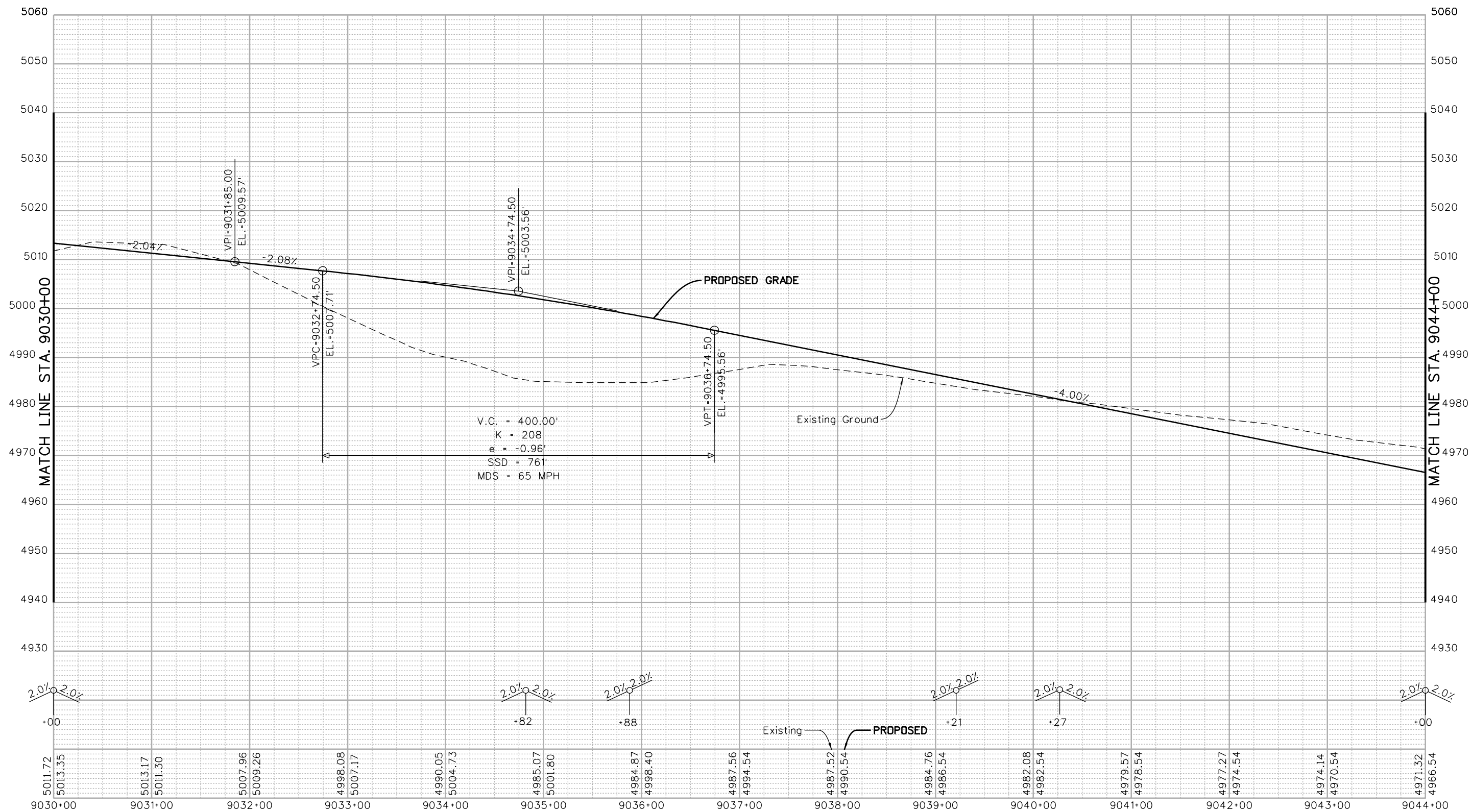
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STA. 9016+00 TO STA. 9030+00			
Designer:	RKZ	Structure	
Detailer:	MAW	Numbers	
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Project No./Code
IM 0253-220
18319
Sheet Number 187

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Sheet Revisions		
Date:	Comments	Init.
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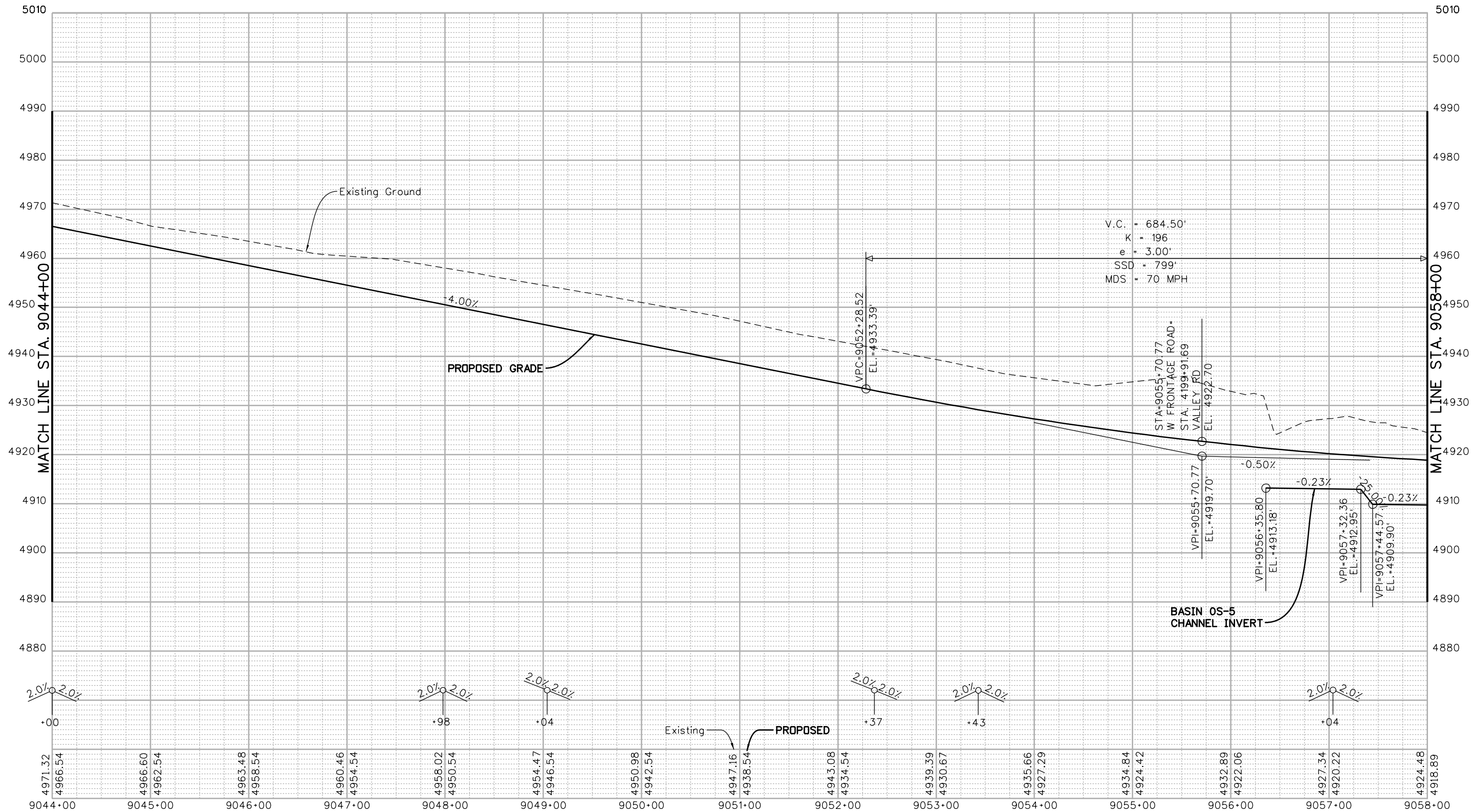
 2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56 W. FRONTAGE RD. PROFILE STA. 9030+00 TO STA. 9044+00	
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Detailer: MAW	
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Sheet Number	188

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289
 Region 4 JFF

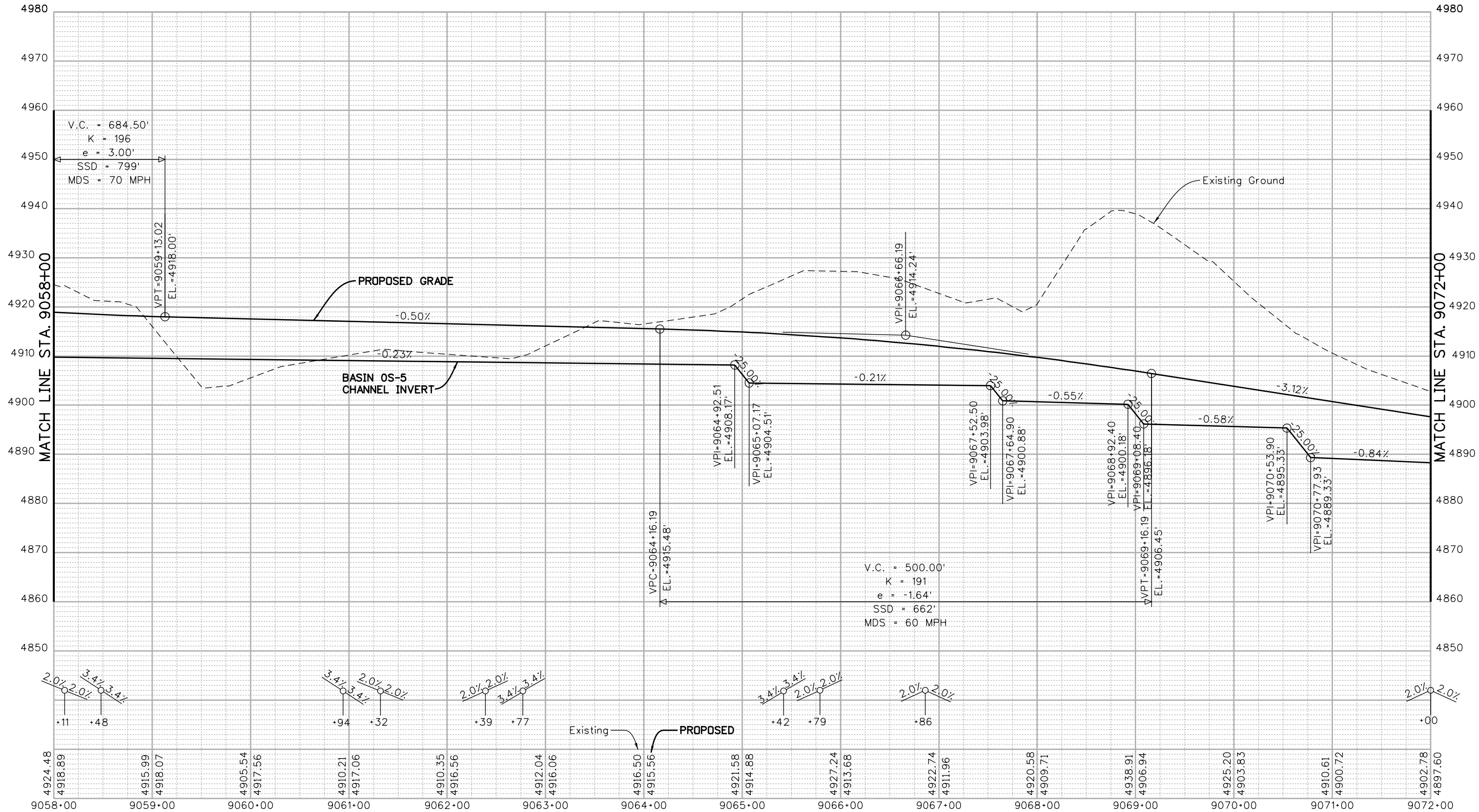
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STA. 9044+00 TO STA. 9058+00	
Designer: RKZ	Structure Numbers
Detailer: MAW	
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Project No./Code
IM 0253-220
18319
Sheet Number 189

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Date:	Comments	Init.
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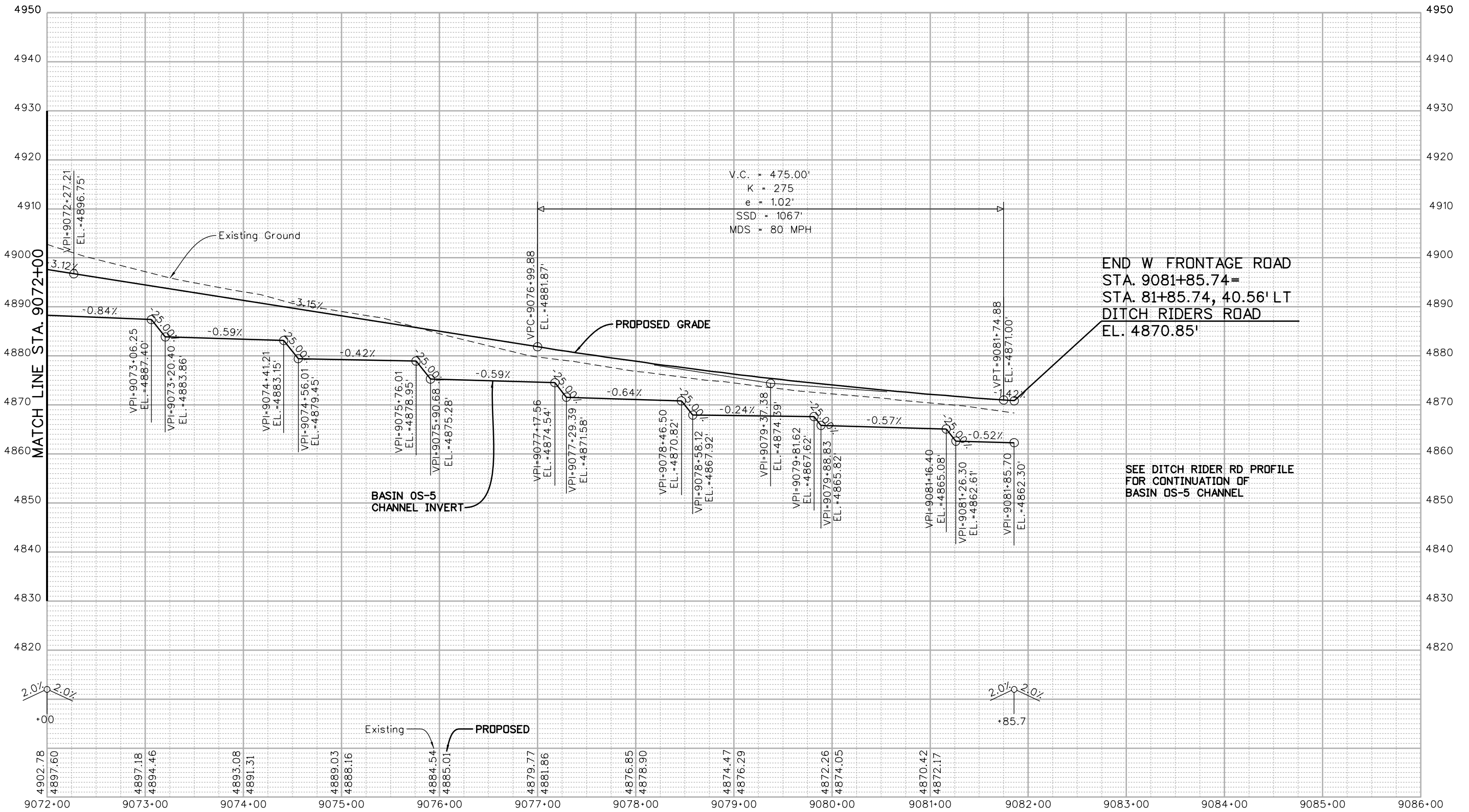
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As Constructed
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Designer:	RKZ	Structure Numbers	
Detailer:	MAW	Subset Sheets:	6 of 8
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Project No./Code
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18319
Sheet Number 190

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END W FRONTAGE ROAD
 STA. 9081+85.74=
 STA. 81+85.74, 40.56' LT
 DITCH RIDERS ROAD
 EL. 4870.85'

SEE DITCH RIDER RD PROFILE
 FOR CONTINUATION OF
 BASIN QS-5 CHANNEL

Print Date: 3/5/2015
 Drawing File Name: 18319DES_WFR-Prof.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted
 Unit Information Unit Leader Initials

MULLER ENGINEERING CO., INC.
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 777 S. Wadsworth Blvd. #4-100
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Date:	Comments	Init.

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2207 East Highway 402
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Region 4 JFF

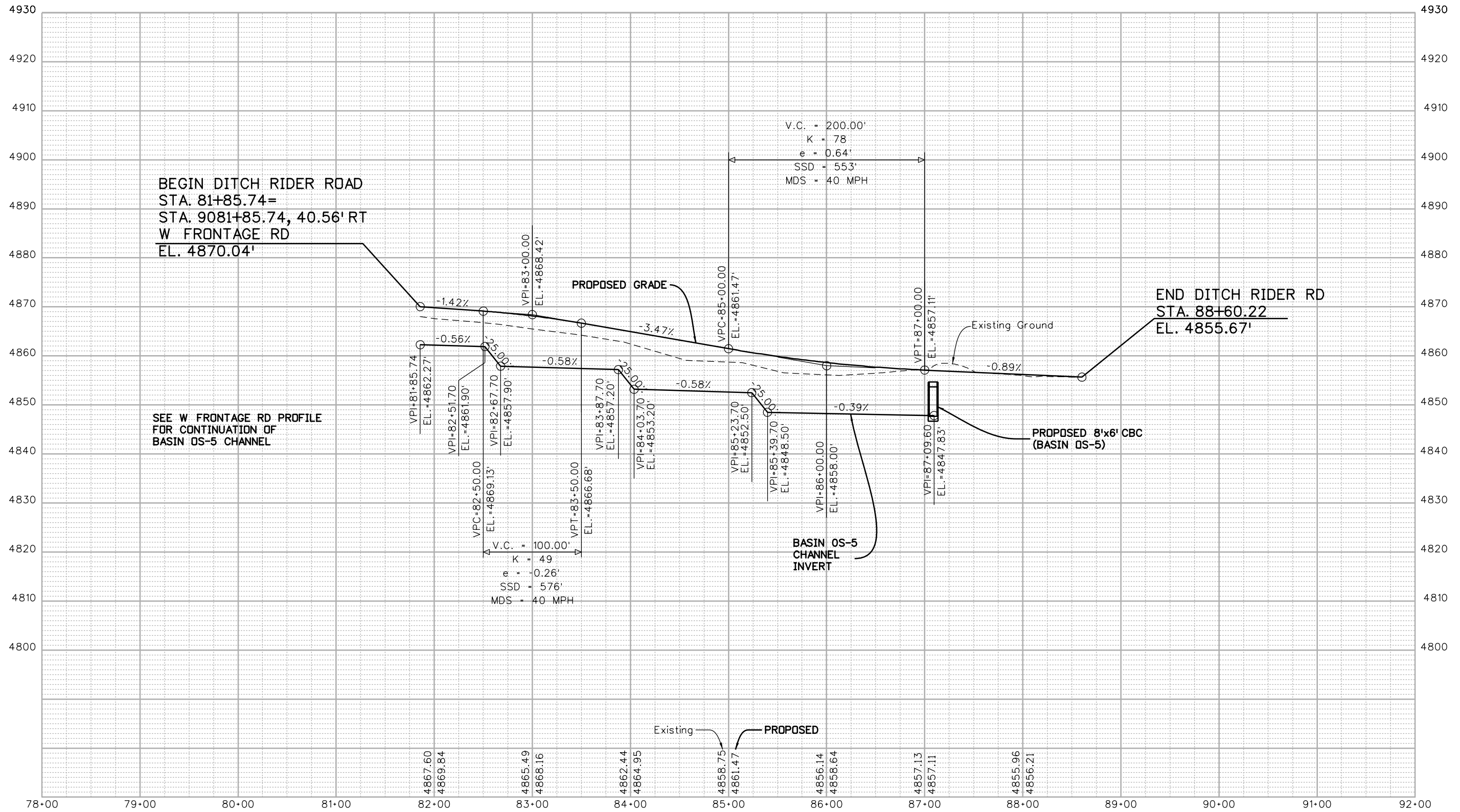
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 W. FRONTAGE RD. PROFILE
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Designer: RKZ Structure Numbers:
 Detailer: MAW Subset Sheets: 7 of 8

Project No./Code	
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Sheet Revisions		
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2207 East Highway 402
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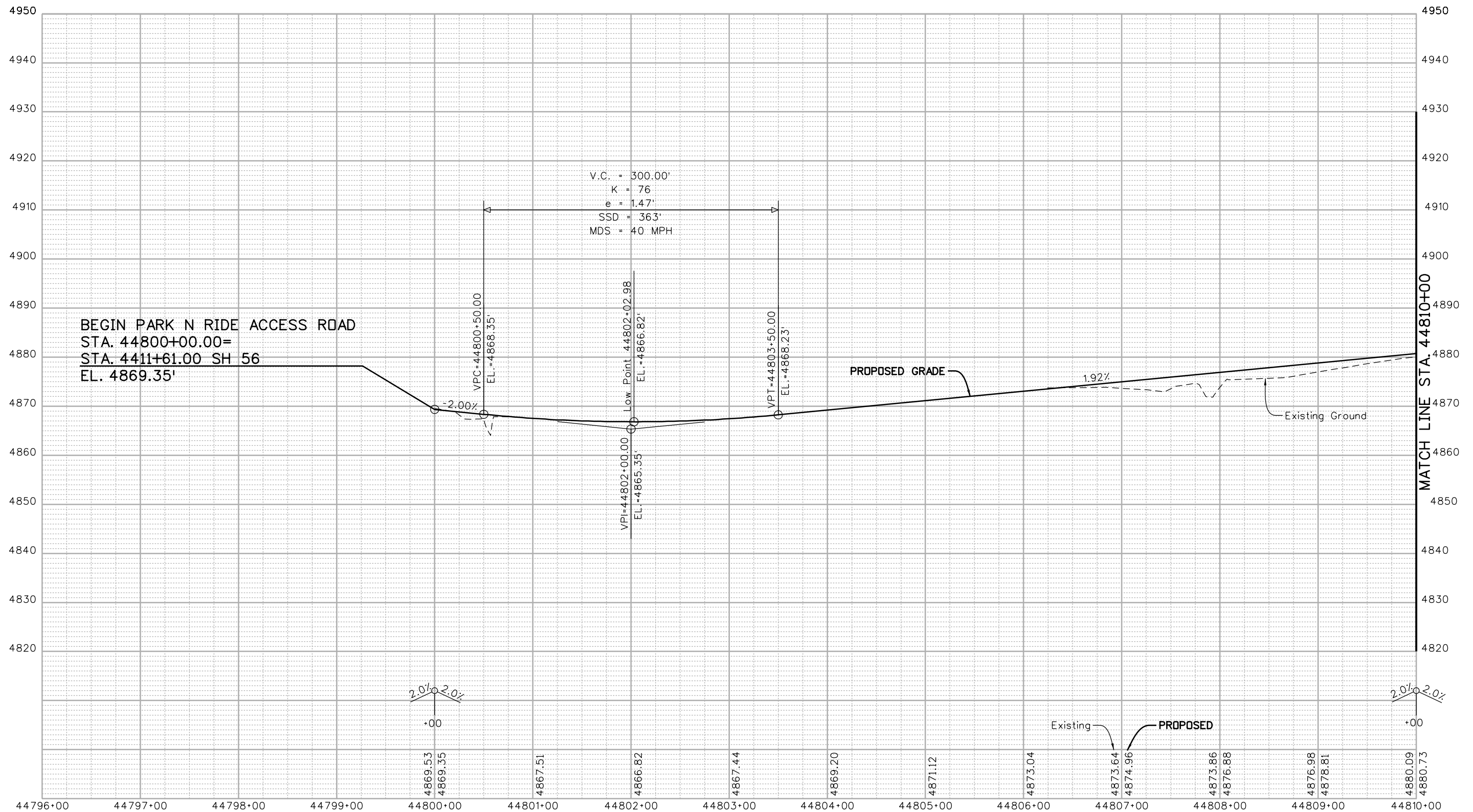
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STA. 81+85.74 TO STA. 88+60.22			
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Sheet Revisions		
Date:	Comments	Init.

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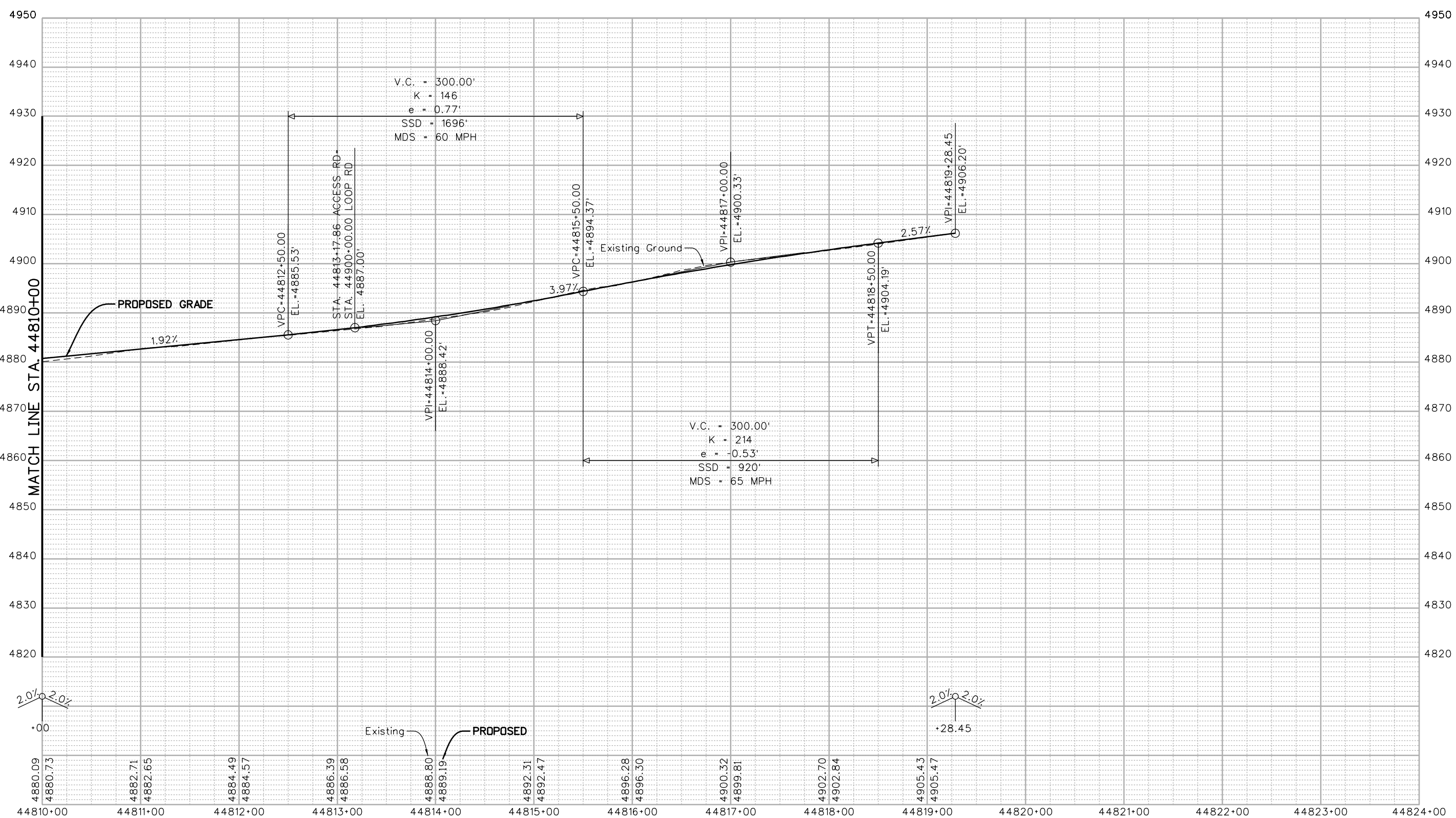
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 Loveland, CO 80537
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As Constructed
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Designer:	RKZ	Structure	
Detailer:	LMR	Numbers	
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Sheet Revisions		
Date:	Comments	Init.

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Region 4 JFF

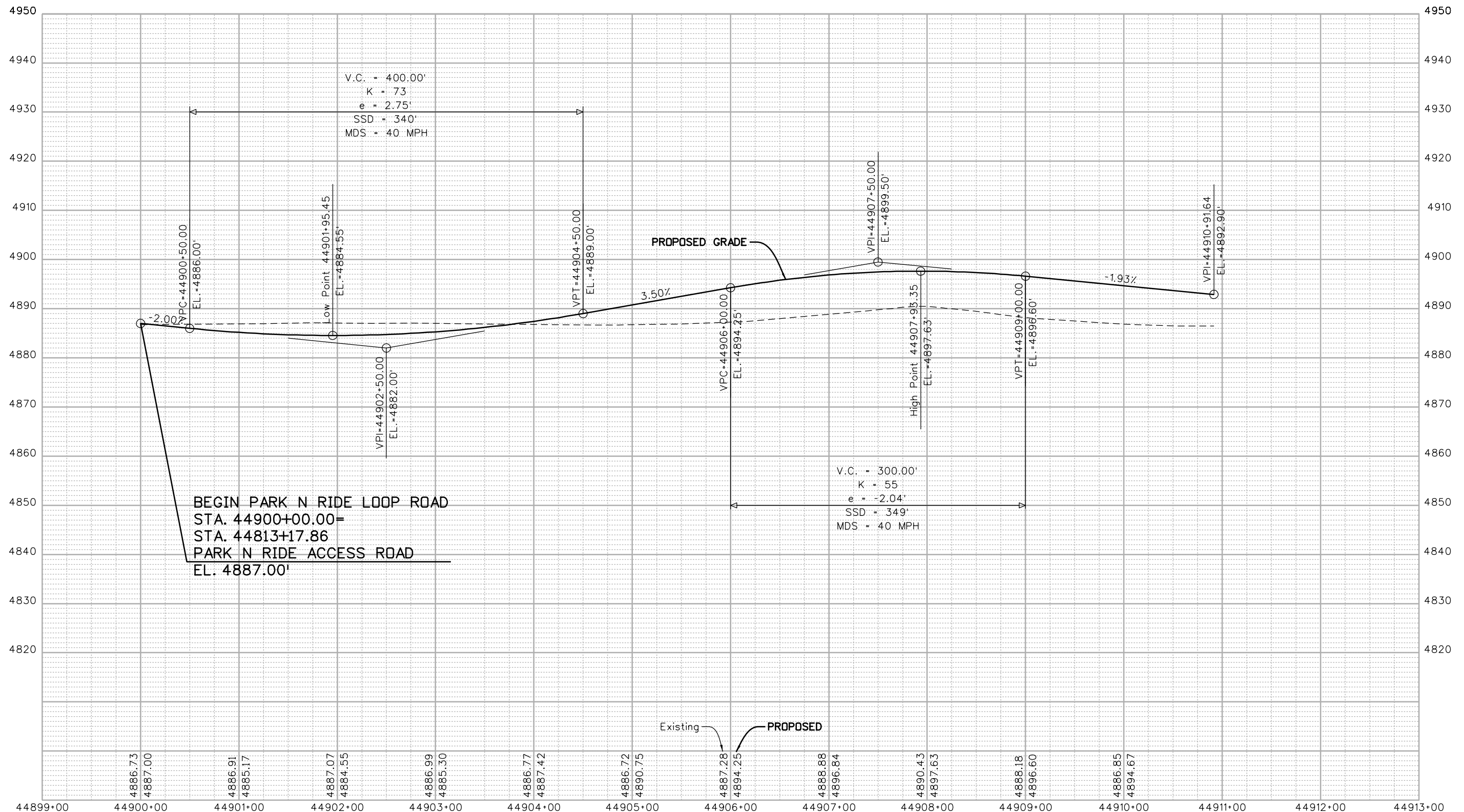
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2207 East Highway 402
 Loveland, CO 80537
 Phone: 970-622-1268 FAX: 970-669-0289

Region 4 JFF

As Constructed
No Revisions:
Revised:
Void:

I-25 FROM N/O SH 66 TO N/O SH 56 PARK N RIDE LOOP RD. STA. 44900+00 TO STA. 44910+91.64			
Designer:	RKZ	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	3 of 3

Project No./Code
IM 0253-220
18319
Sheet Number 195