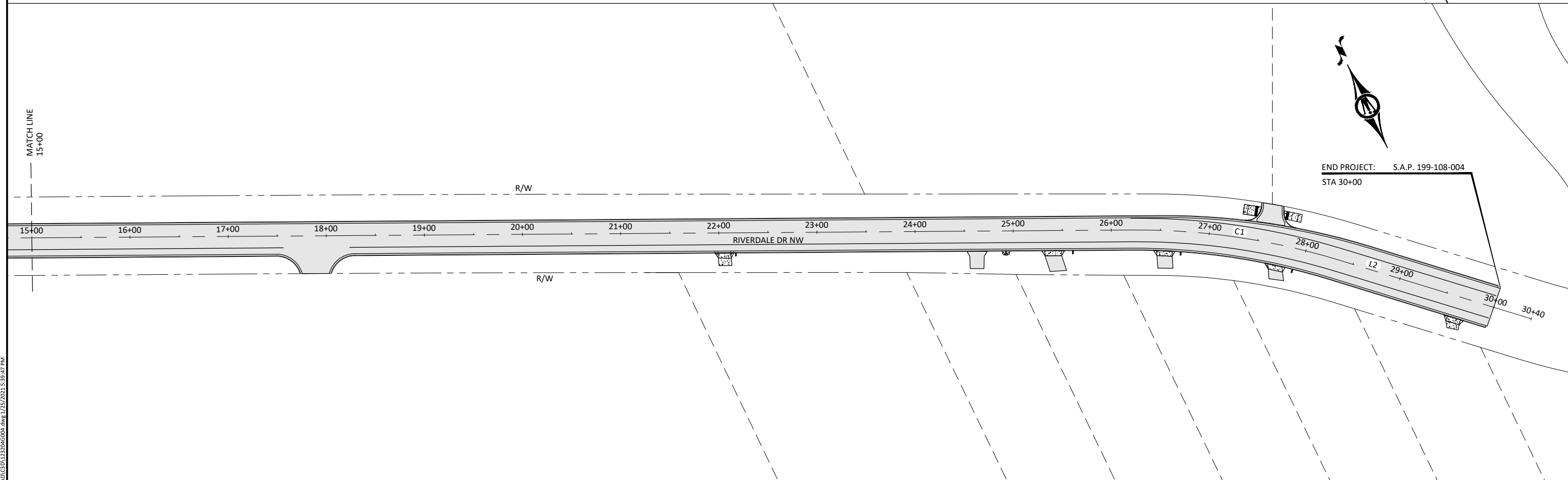


ALIGNMENT - RIVERDALE DR CL											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L1	0+00	26+22.11	2622.11				168275.06	455234.32	167179.09	457616.40	S65° 17' 36"E
C1	26+22.11	28+34.66	212.55	17°23'51"	700.00	211.73	167179.09	457616.40	167062.52	457793.16	S56° 35' 41"E
L2	28+34.66	30+40	205.33				167062.52	457793.16	166924.85	457945.50	S47° 53' 45"E



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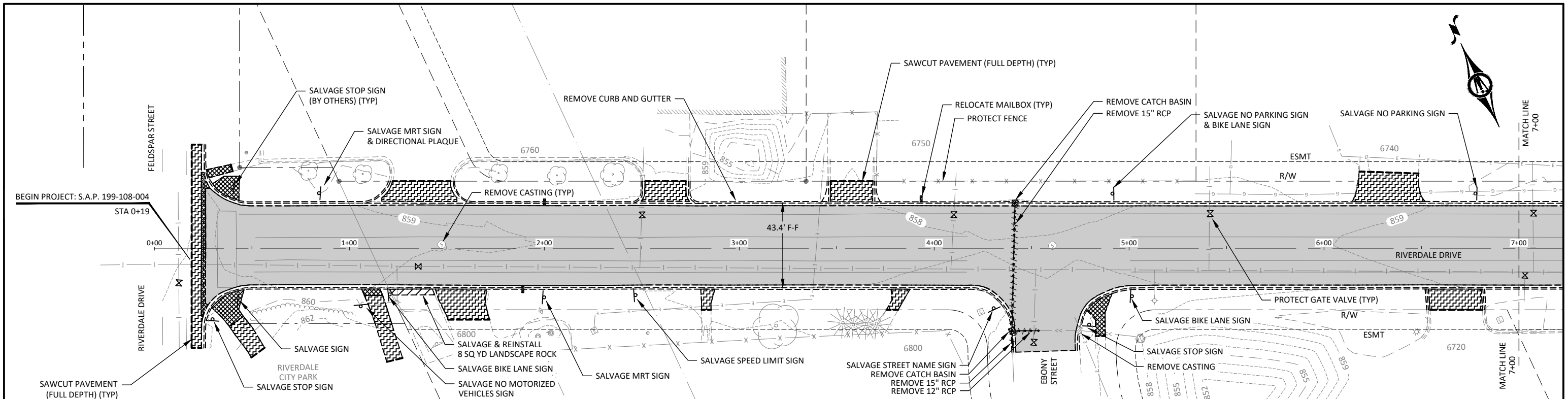


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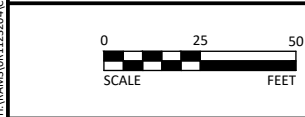
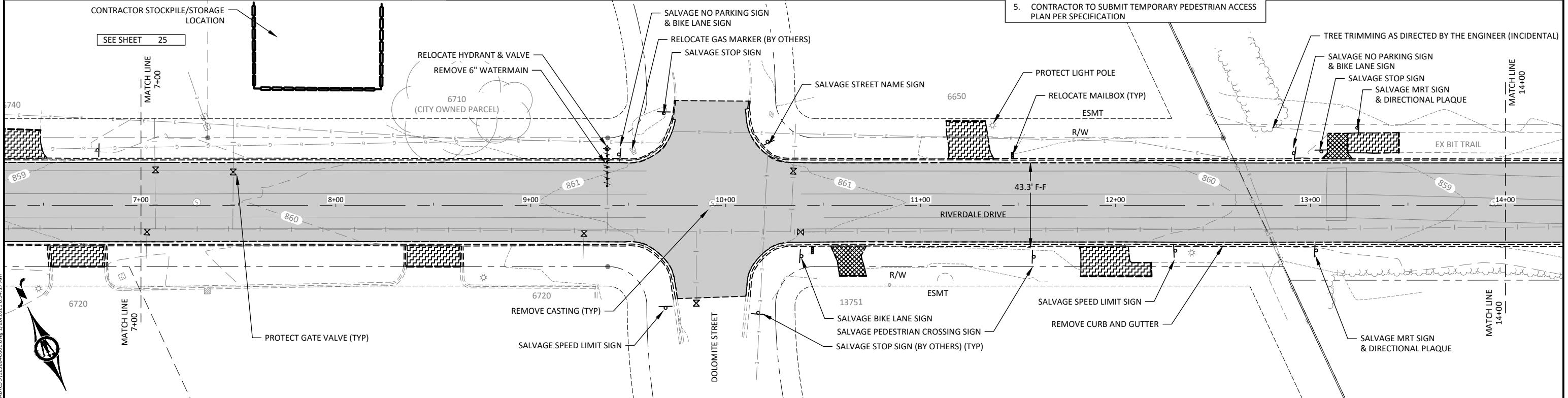
CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
 ALIGNMENT TABULATIONS



LEGEND	
.....	CONSTRUCTION LIMITS
====	REMOVE CURB & GUTTER
-----	SAWCUT PAVEMENT (FULL DEPTH)
---	RELOCATE MAILBOX
	SALVAGE EXISTING SIGN
■	REMOVE CATCH BASIN
---*	REMOVE STORM SEWER
+	RELOCATE HYDRANT & VALVE
---*	REMOVE WATERMAIN
███	RECLAIM BIT PAVEMENT (HAUL AND/OR STOCKPILE)
▣	REMOVE BIT PAVEMENT
▨	REMOVE CONCRETE PAVEMENT
▧	SALVAGE LANDSCAPE ROCK
---	EXISTING CONTOUR MINOR
---	EXISTING CONTOUR MAJOR
====	EXISTING CURB & GUTTER
---	PAVEMENT MARKING
---	EXISTING EASEMENT LINE
---	EXISTING RIGHT-OF-WAY
---	UNDERGROUND GAS
---	UNDERGROUND COMM
---	UNDERGROUND ELECTRIC
OU	OVERHEAD UTILITY
▣	MARKER - GAS
▣	TRANSFORMER-ELECTRIC
▣	PEDESTAL-COMMUNICATION
▣	PEDESTAL-ELECTRIC
▣	HANDHOLE
+	POLE - LIGHT
+	POLE-UTILITY
+	GUY WIRE ANCHOR
+	EXISTING TRAFFIC SIGN
+	FENCE
+	FIRE HYDRANT
+	VALVE
+	WATERMAIN
+	CATCH BASIN
+	STORM OVERFLOW STRUCTURE
+	STORM SEWER
+	SANITARY MANHOLE
+	EDGE OF VEGETATION
+	TREE-CONIFEROUS
+	TREE-DECIDUOUS

REMOVAL NOTES	
1.	CONTRACTOR SHALL CALL GOPHER STATE ONE CALL. ALL UTILITIES MUST BE LOCATED PRIOR TO THE START OF CONSTRUCTION.
2.	RECLAMATION MILLINGS SHALL BE STOCKPILED AT A LOCATION APPROVED BY THE ENGINEER
3.	CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY STRUCTURES THAT ARE NOT BEING REMOVED OR RELOCATED.
4.	CONTRACTOR TO VERIFY REMOVAL LIMITS WITH ENGINEER PRIOR TO SAWCUTTING, INCLUDING TREE REMOVALS.
5.	CONTRACTOR TO SUBMIT TEMPORARY PEDESTRIAN ACCESS PLAN PER SPECIFICATION

TRAFFIC CONTROL/SIGNAGE NOTES:	
1.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TRAFFIC CONTROL SIGNS AND DEVICES COMPLY WITH THE REQUIREMENTS OF THE MNMUTCD AT ALL TIMES DURING CONSTRUCTION
2.	THE CITY OF RAMSEY WILL REMOVE/SALVAGE EXISTING SIGNS DURING CONSTRUCTION
3.	THE CONTRACTOR SHALL CONTACT THE CITY 48 HOURS IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED/SALVAGED
4.	THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS

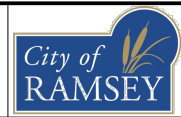


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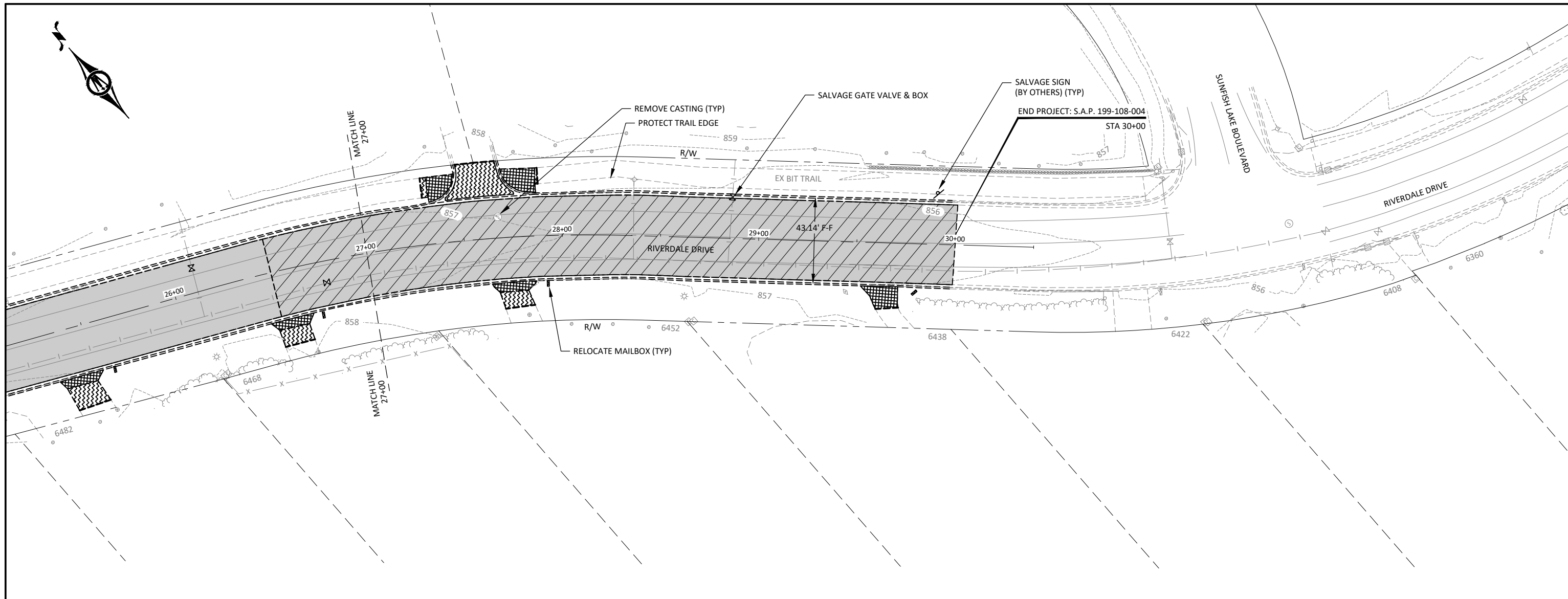


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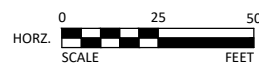
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<b>LEGEND</b> <ul style="list-style-type: none"> <li>..... CONSTRUCTION LIMITS</li> <li>===== REMOVE CURB &amp; GUTTER</li> <li>--- SAWCUT PAVEMENT (FULL DEPTH)</li> <li>▮ RELOCATE MAILBOX</li> <li>┆ SALVAGE EXISTING SIGN</li> <li>█ REMOVE CATCH BASIN</li> <li>--- REMOVE STORM SEWER</li> <li>○ RELOCATE HYDRANT &amp; VALVE</li> <li>--- REMOVE WATERMAIN</li> <li>▨ RECLAIM BIT PAVEMENT (HAUL AND/OR STOCKPILE)</li> <li>▩ RECLAIM BIT PAVEMENT (REMAIN INPLACE)</li> <li>▩ REMOVE BIT PAVEMENT</li> <li>▩ REMOVE CONCRETE PAVEMENT</li> <li>▩ SALVAGE LANDSCAPE ROCK</li> </ul>			<ul style="list-style-type: none"> <li>952 --- EXISTING CONTOUR MINOR</li> <li>950 --- EXISTING CONTOUR MAJOR</li> <li>===== EXISTING CURB &amp; GUTTER</li> <li>--- PAVEMENT MARKING</li> <li>----- EXISTING EASEMENT LINE</li> <li>--- EXISTING RIGHT-OF-WAY</li> <li>-G-G- UNDERGROUND GAS</li> <li>-C-C- UNDERGROUND COMM</li> <li>-E-E- UNDERGROUND ELECTRIC</li> <li>OU --- OVERHEAD UTILITY</li> </ul>			<ul style="list-style-type: none"> <li>☒ MARKER - GAS</li> <li>☐ TRANSFORMER-ELECTRIC</li> <li>☐ PEDESTAL-COMMUNICATION</li> <li>☐ PEDESTAL-ELECTRIC</li> <li>☐ HANDHOLE</li> <li>☀ POLE - LIGHT</li> <li>☒ POLE-UTILITY</li> <li>☐ GUY WIRE ANCHOR</li> <li>☐ EXISTING TRAFFIC SIGN</li> <li>--- FENCE</li> <li>○ FIRE HYDRANT</li> <li>⊕ VALVE</li> <li>--- WATERMAIN</li> <li>▩ CATCH BASIN</li> <li>⊕ STORM OVERFLOW STRUCTURE</li> <li>--- STORM SEWER</li> <li>○ SANITARY MANHOLE</li> <li>--- EDGE OF VEGETATION</li> <li>☀ TREE-CONIFEROUS</li> <li>☀ TREE-DECIDUOUS</li> </ul>			<b>REMOVAL NOTES</b> <ol style="list-style-type: none"> <li>CONTRACTOR SHALL CALL GOPHER STATE ONE CALL. ALL UTILITIES MUST BE LOCATED PRIOR TO THE START OF CONSTRUCTION.</li> <li>CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY STRUCTURES THAT ARE NOT BEING REMOVED OR RELOCATED.</li> <li>CONTRACTOR TO VERIFY REMOVAL LIMITS WITH ENGINEER PRIOR TO SAWCUTTING, INCLUDING TREE REMOVALS.</li> <li>CONTRACTOR TO SUBMIT TEMPORARY PEDESTRIAN ACCESS PLAN PER SPECIFICATION</li> </ol>	<b>TRAFFIC CONTROL/SIGNAGE NOTES:</b> <ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TRAFFIC CONTROL SIGNS AND DEVICES COMPLY WITH THE REQUIREMENTS OF THE MNMUTCD AT ALL TIMES DURING CONSTRUCTION</li> <li>THE CITY OF RAMSEY WILL REMOVE/SALVAGE EXISTING SIGNS DURING CONSTRUCTION</li> <li>THE CONTRACTOR SHALL CONTACT THE CITY 48 HOURS IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED/SALVAGED</li> <li>THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS</li> </ol>
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CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
 EXISTING CONDITIONS & REMOVALS PLAN

















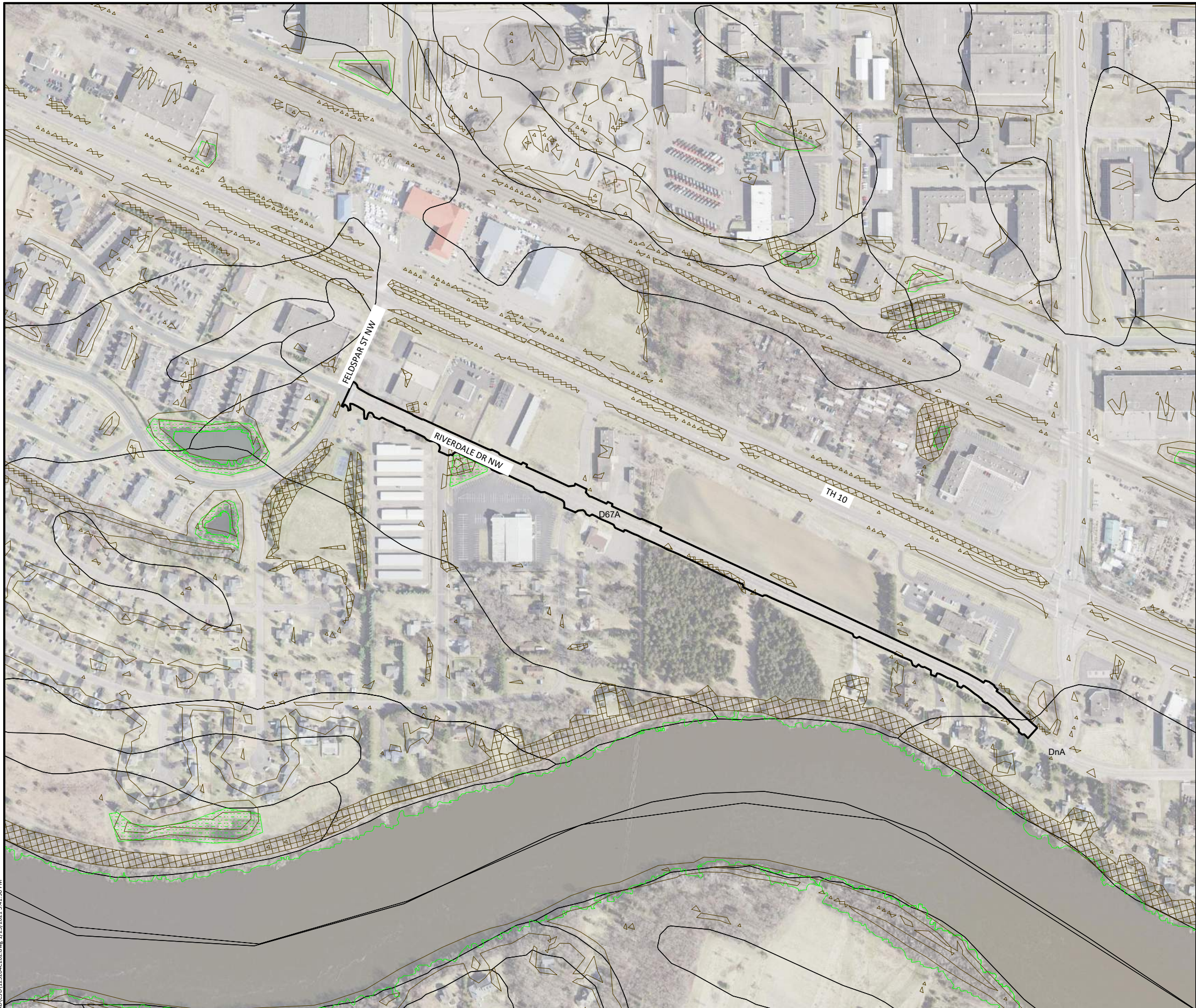
















**LEGEND**

-  PROJECT BOUNDARY
-  SOIL TYPE
-  NATIONAL WETLANDS INVENTORY
-  STEEP SLOPES (>33.3%)



**SOIL TYPE SUMMARY**

Map Unit Symbol	Soil Name	Hyd. Soil Group	Erodibility
D67A	Hubbard loamy sand, Mississippi River Valley, 0 to 2 percent slopes	A	NHEL
DnA	Dickman sandy loam, 0 to 2 percent slopes	a	NHEL

NHEL - Not Highly Erodible Land  
 PHEL - Potentially Highly Erodible Land  
 HEL - Highly Erodible Land

**LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN**

DESCRIPTION	SHEET NO.
SITE MAP	18
DIRECTION OF FLOW	21-22
FINAL STABILIZATION	21-22
SOILS	20
STORM SEWER PLAN & PROFILE SHEETS	23-26
EROSION & SEDIMENT CONTROL DETAILS	8-9
NARRATIVE & NOTES	19

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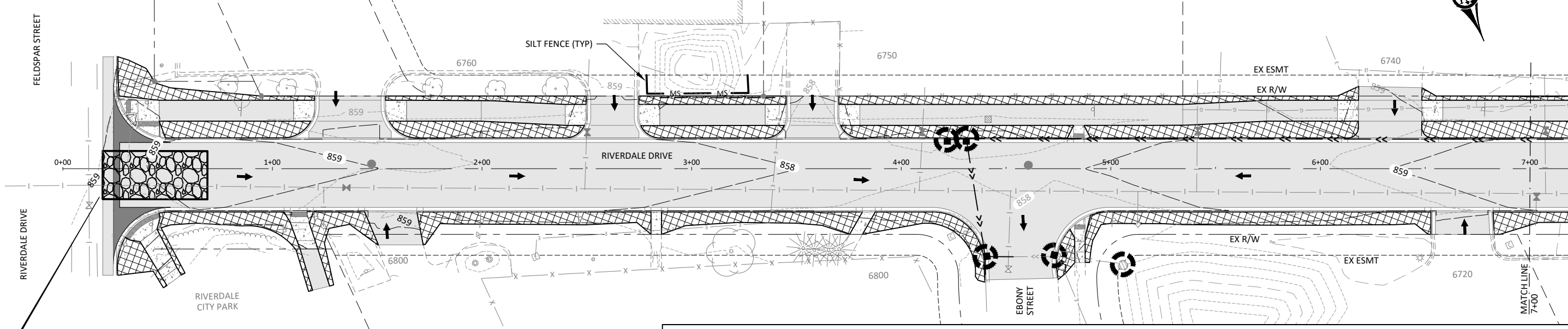
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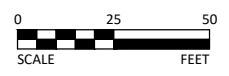
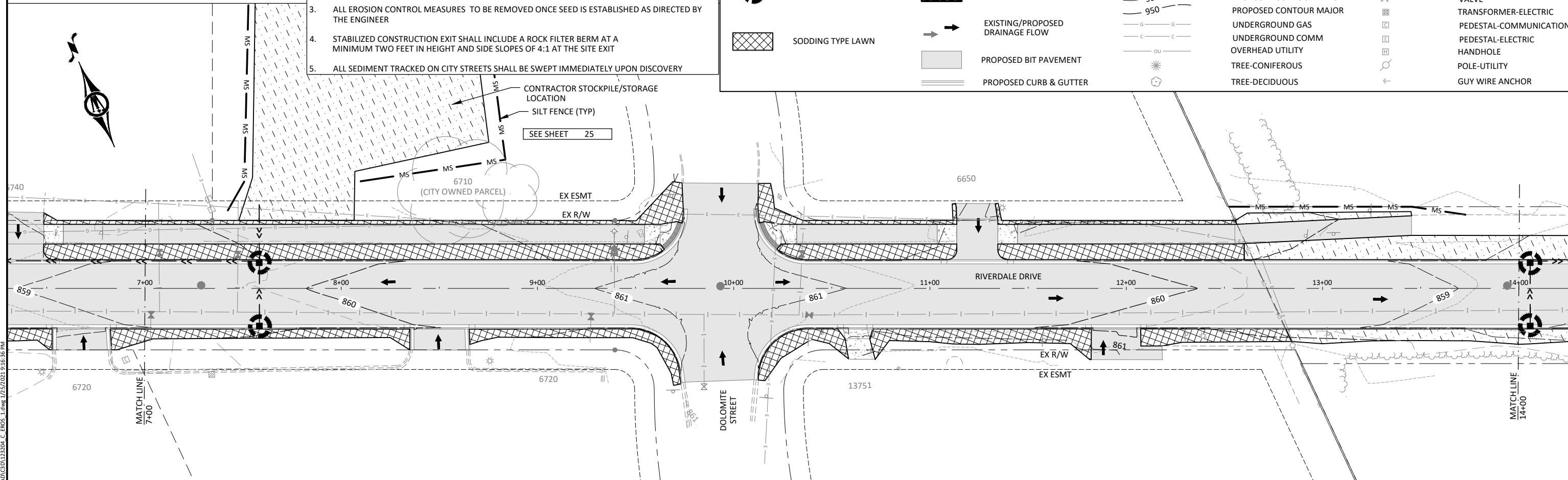
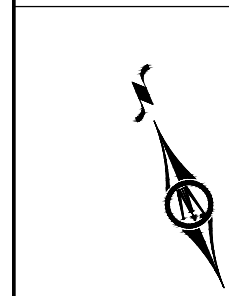
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- NOTES:**
1. INSTALL EROSION CONTROL MEASURES PRIOR TO COMMENCING CONSTRUCTION
  2. A STREET SWEEPER MUST BE AVAILABLE WITHIN 3 HOURS UPON NOTICE FROM THE CITY THAT THE STREETS NEED TO BE SWEEPED
  3. ALL EROSION CONTROL MEASURES TO BE REMOVED ONCE SEED IS ESTABLISHED AS DIRECTED BY THE ENGINEER
  4. STABILIZED CONSTRUCTION EXIT SHALL INCLUDE A ROCK FILTER BERM AT A MINIMUM TWO FEET IN HEIGHT AND SIDE SLOPES OF 4:1 AT THE SITE EXIT
  5. ALL SEDIMENT TRACKED ON CITY STREETS SHALL BE SWEEPED IMMEDIATELY UPON DISCOVERY

LEGEND				EXISTING CURB & GUTTER					
— MS —	MACHINE SLICED SILT FENCE		HYDRAULIC BONDED FIBER MATRIX, SEED MIX 25-131, FERTILIZER TYPE 3		EXISTING CURB & GUTTER		EXISTING EASEMENT LINE		EXISTING RIGHT-OF-WAY
	INLET PROTECTION		SODDING TYPE LAWN		EXISTING CONTOUR MINOR		EXISTING CONTOUR MAJOR		PROPOSED CONTOUR MINOR
	STABILIZED CONSTRUCTION EXIT		EXISTING/PROPOSED DRAINAGE FLOW		PROPOSED CONTOUR MAJOR		UNDERGROUND GAS		UNDERGROUND COMM
	PROPOSED BIT PAVEMENT		PROPOSED CURB & GUTTER		OVERHEAD UTILITY		TREE-CONIFEROUS		TREE-DECIDUOUS
			WET WELL		VALVE VAULT		FIRE HYDRANT		VALVE
			TRANSFORMER-ELECTRIC		PEDESTAL-COMMUNICATION		PEDESTAL-ELECTRIC		HANDHOLE
			POLE-UTILITY		GUY WIRE ANCHOR				
			EXISTING TRAFFIC SIGN						



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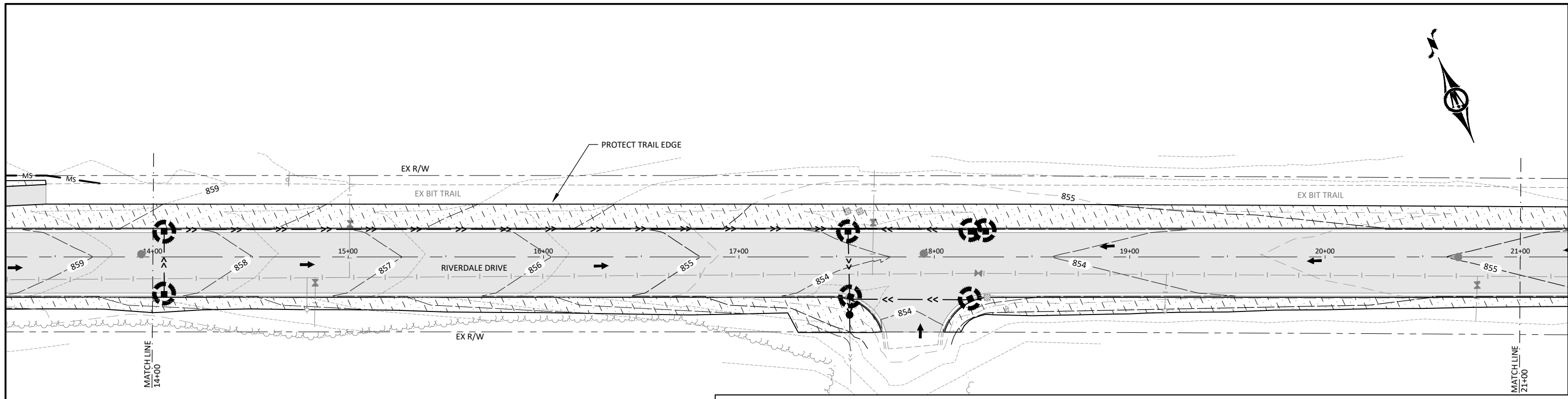


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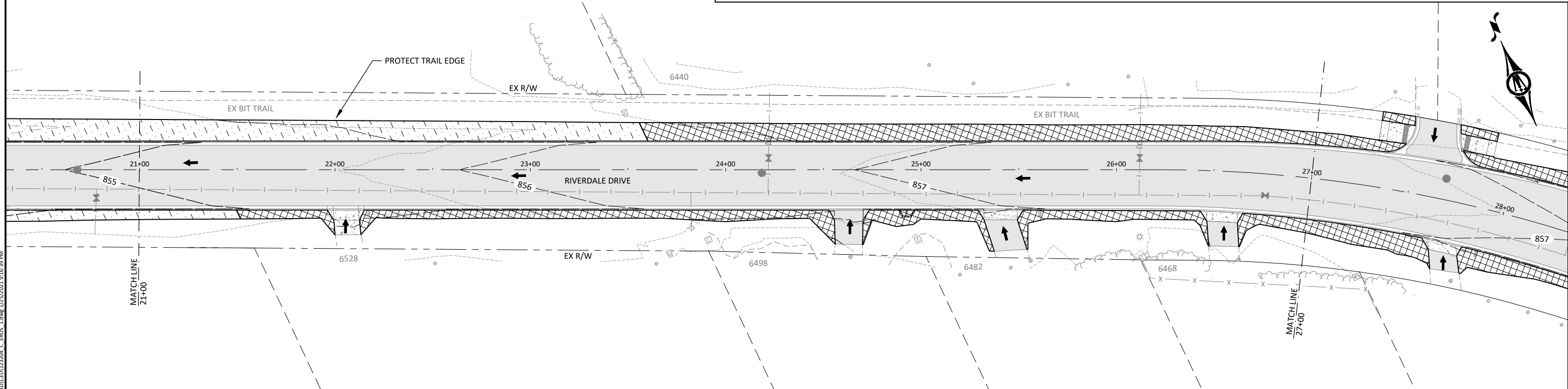
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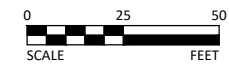


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LEGEND					
MS	MACHINE SLICED SILT FENCE		HYDRAULIC BONDED FIBER MATRIX, SEED MIX 25-131, FERTILIZER TYPE 3		EXISTING EASEMENT LINE
	INLET PROTECTION		STABILIZED CONSTRUCTION EXIT		EXISTING CONTOUR MINOR
	SODDING TYPE LAWN		EXISTING/PROPOSED DRAINAGE FLOW		EXISTING CONTOUR MAJOR
			PROPOSED BIT PAVEMENT		PROPOSED CONTOUR MINOR
			PROPOSED CURB & GUTTER		PROPOSED CONTOUR MAJOR
					UNDERGROUND GAS
					UNDERGROUND COMM
					OVERHEAD UTILITY
					TREE-CONIFEROUS
					TREE-DECIDUOUS
					EXISTING TRAFFIC SIGN
					WET WELL
					VALVE VAULT
					FIRE HYDRANT
					VALVE
					TRANSFORMER-ELECTRIC
					PEDESTAL-COMMUNICATION
					PEDESTAL-ELECTRIC
					HANDHOLE
					POLE-UTILITY
					GUY WIRE ANCHOR



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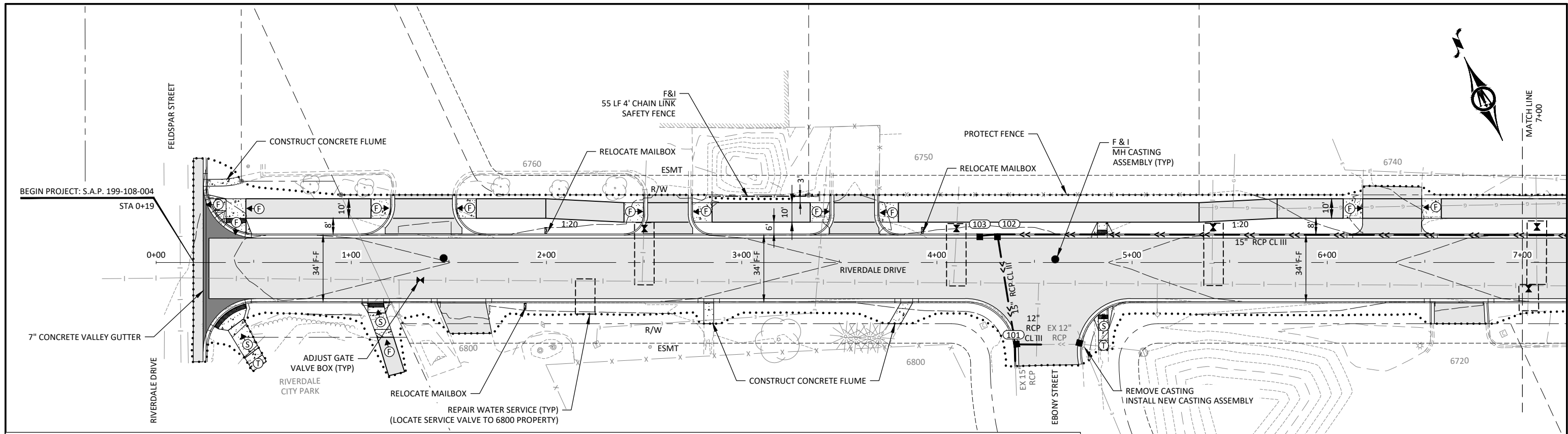
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CITY OF RAMSEY, MINNESOTA  
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 EROSION CONTROL & TURF ESTABLISHMENT

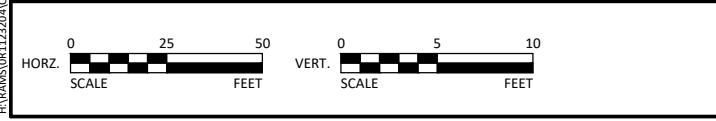
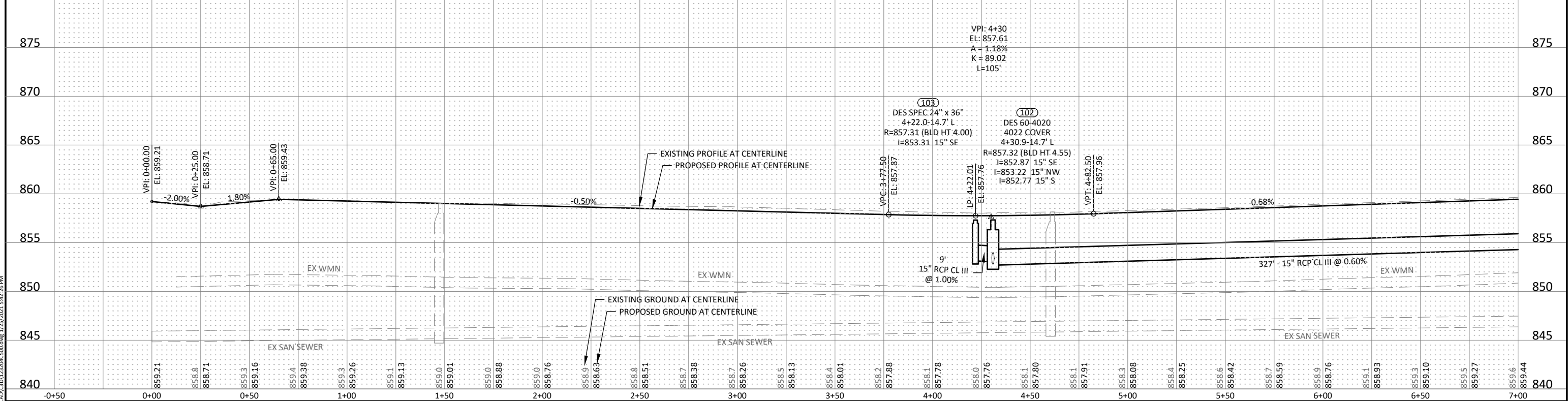




LEGEND		EXISTING CURB & GUTTER		UNDERGROUND COMM OVERHEAD UTILITY		VALVE	
.....	CONSTRUCTION LIMITS		FLAT PEDESTRIAN RAMP - (BETWEEN 2% - 5%)		UNDERGROUND COMM		VALVE
■	STORM SEWER RECTANGULAR CASTING		STEEP PEDESTRIAN RAMP - (BETWEEN 5% - 8.3%)		UNDERGROUND GAS		TRANSFORMER-ELECTRIC
●	STORM SEWER MANHOLE		PROPOSED BIT PAVEMENT		TREE-CONIFEROUS		POLE-UTILITY
— >> —	STORM SEWER PIPE		PROPOSED 7" CONC VALLEY GUTTER		TREE-DECIDUOUS		GUY WIRE ANCHOR
⎓	REPAIR WATER SERVICE		PROPOSED CONC WALK/DRIVEWAY		EXISTING TRAFFIC SIGN		PEDESTAL-COMMUNICATION
=====	PROPOSED CURB & GUTTER		PROPOSED CONTOUR MINOR		FIRE HYDRANT		PEDESTAL-ELECTRIC

**NOTES**

- IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
- POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.

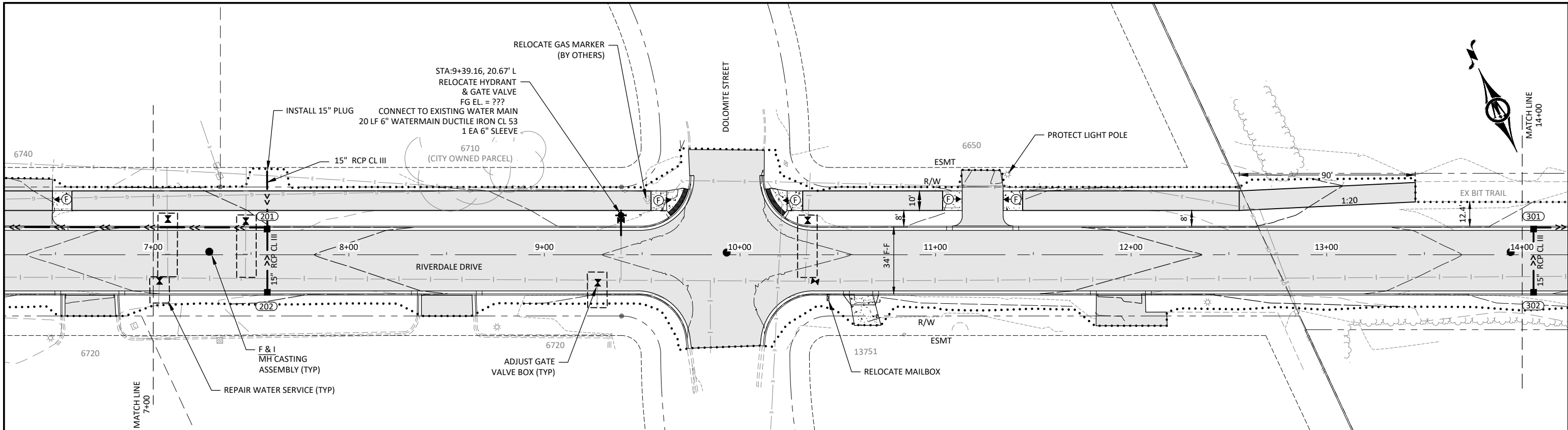


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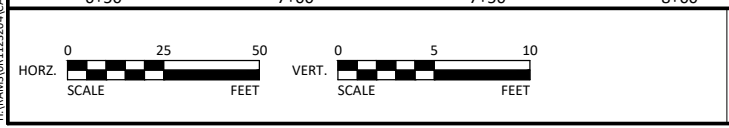
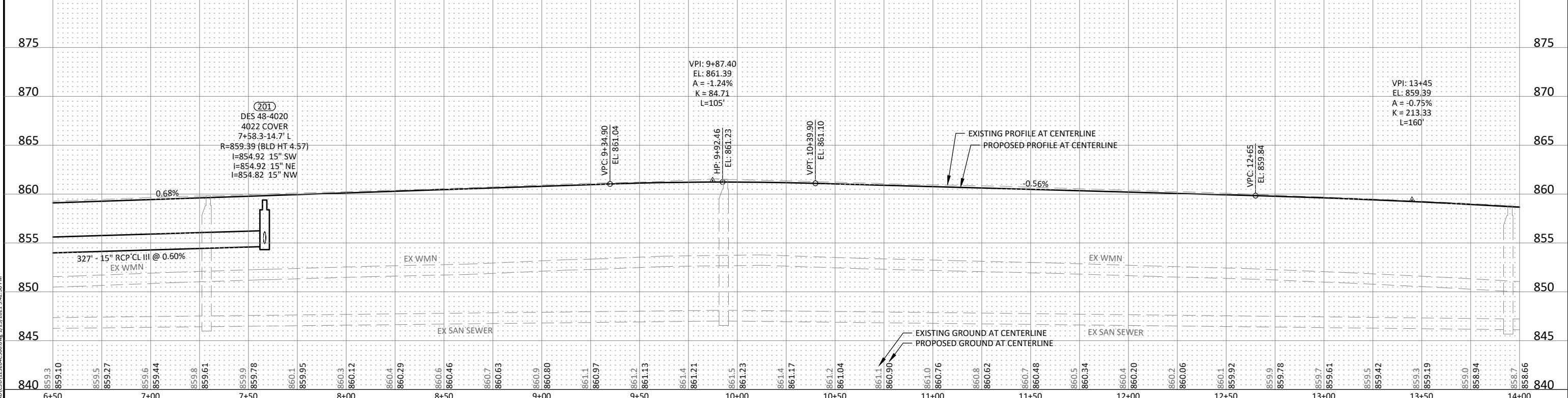
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**LEGEND**

.....	CONSTRUCTION LIMITS		REPAIR WATER SERVICE		EXISTING CURB & GUTTER		UNDERGROUND COMM		VALVE
■	STORM SEWER RECTANGULAR CASTING		PROPOSED BIT PAVEMENT		EXISTING EASEMENT LINE		OVERHEAD UTILITY		TRANSFORMER-ELECTRIC
●	STORM SEWER MANHOLE		PROPOSED CURB & GUTTER		EXISTING RIGHT-OF-WAY		UNDERGROUND GAS		HANDHOLE
— >> —	STORM SEWER PIPE		PROPOSED CONC WALK/ DRIVEWAY		EXISTING CONTOUR MINOR		TREE-CONIFEROUS		POLE-UTILITY
↔	RELOCATE HYDRANT		FLAT RAMP - (BETWEEN 2% - 5%)		EXISTING CONTOUR MAJOR		TREE-DECIDUOUS		GUY WIRE ANCHOR
			STEEP PEDESTRIAN RAMP - (BETWEEN 5% - 8.3%)		PROPOSED CONTOUR MINOR		EXISTING TRAFFIC SIGN		PEDESTAL-COMMUNICATION
					PROPOSED CONTOUR MAJOR		★		PEDESTAL-ELECTRIC

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- IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
  - POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Kevin P. Kielb*  
KEVIN P. KIELB  
LIC. NO. 23211 DATE 1/25/2021



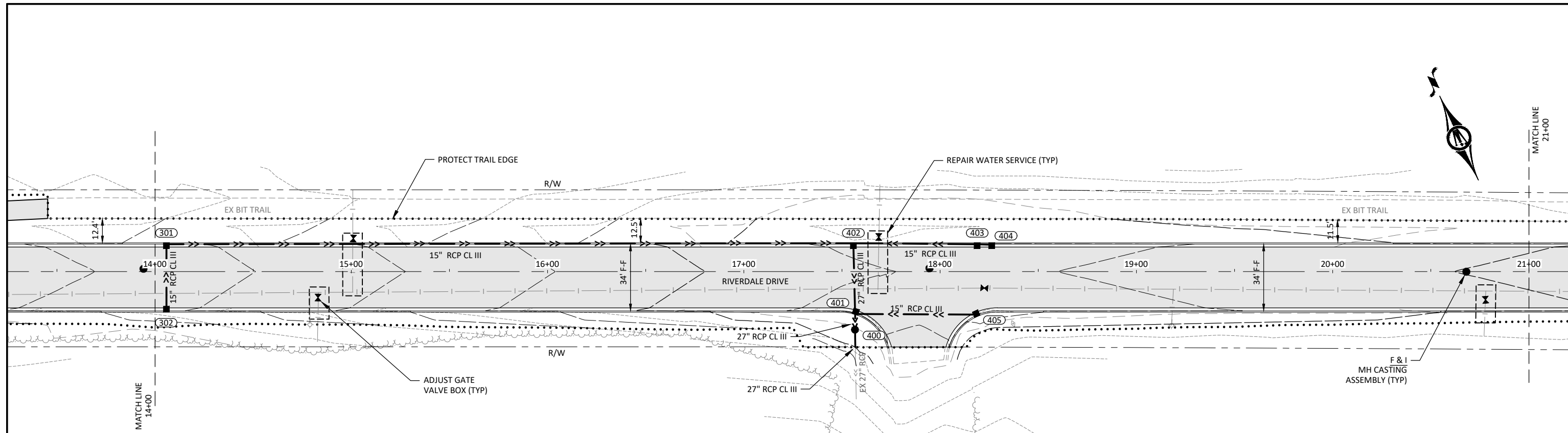
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RAMSEY, MINNESOTA 55303  
Phone: (763) 433-2851  
Email: Ramsey@bolton-menk.com  
www.bolton-menk.com

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CITY OF RAMSEY, MINNESOTA  
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

**STREET PLAN & PROFILE**

SHEET 27 OF 48

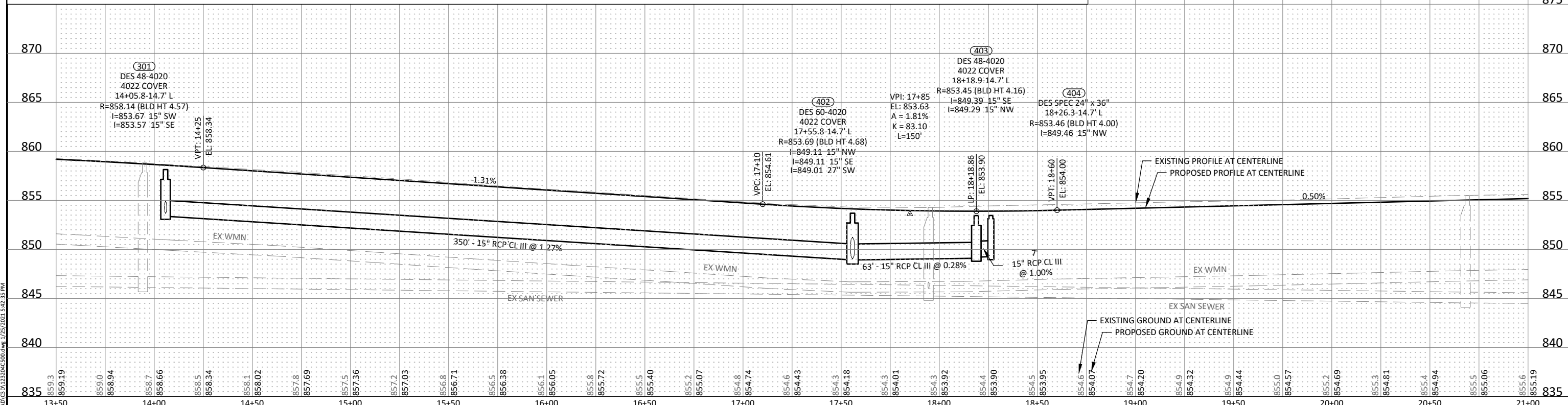


**LEGEND**

.....	CONSTRUCTION LIMITS	□	REPAIR WATER SERVICE	====	EXISTING CURB & GUTTER	-C-C-	UNDERGROUND COMM OVERHEAD UTILITY	⊕	VALVE TRANSFORMER-ELECTRIC
■	STORM SEWER RECTANGULAR CASTING	▨	PROPOSED BIT PAVEMENT	----	EXISTING EASEMENT LINE	-OU-	UNDERGROUND GAS	⊙	HANDHOLE
●	STORM SEWER MANHOLE	▨	PROPOSED CURB & GUTTER	-95-	EXISTING RIGHT-OF-WAY	-G-G-	TREE-CONIFEROUS	⊙	POLE-UTILITY
->>-	STORM SEWER PIPE	▨	PROPOSED CONC WALK/ DRIVEWAY	-95-	EXISTING CONTOUR MINOR	⊙	TREE-DECIDUOUS	⊙	GUY WIRE ANCHOR
				-95-	EXISTING CONTOUR MAJOR	⊙	EXISTING TRAFFIC SIGN	⊙	PEDESTAL-COMMUNICATION
				-95-	PROPOSED CONTOUR MINOR	⊙	FIRE HYDRANT	⊙	PEDESTAL-ELECTRIC
				-95-	PROPOSED CONTOUR MAJOR				

**NOTES**

- IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
- POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.



**Scale**

HORIZ. SCALE: 0, 25, 50 FEET

VERT. SCALE: 0, 5, 10 FEET

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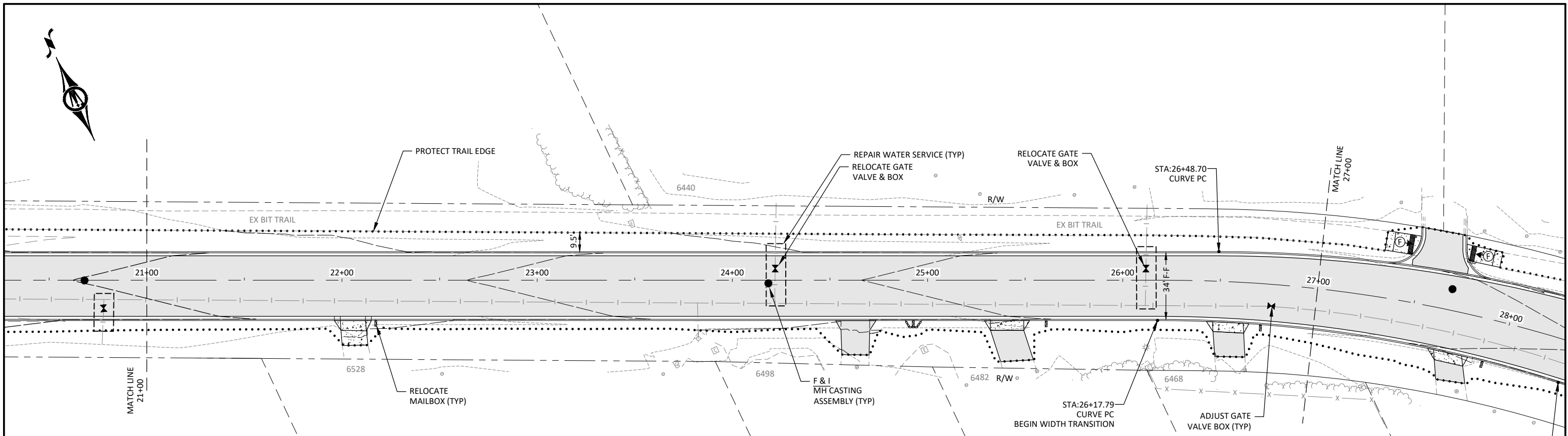
**CITY OF RAMSEY, MINNESOTA**

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

**STREET PLAN & PROFILE**

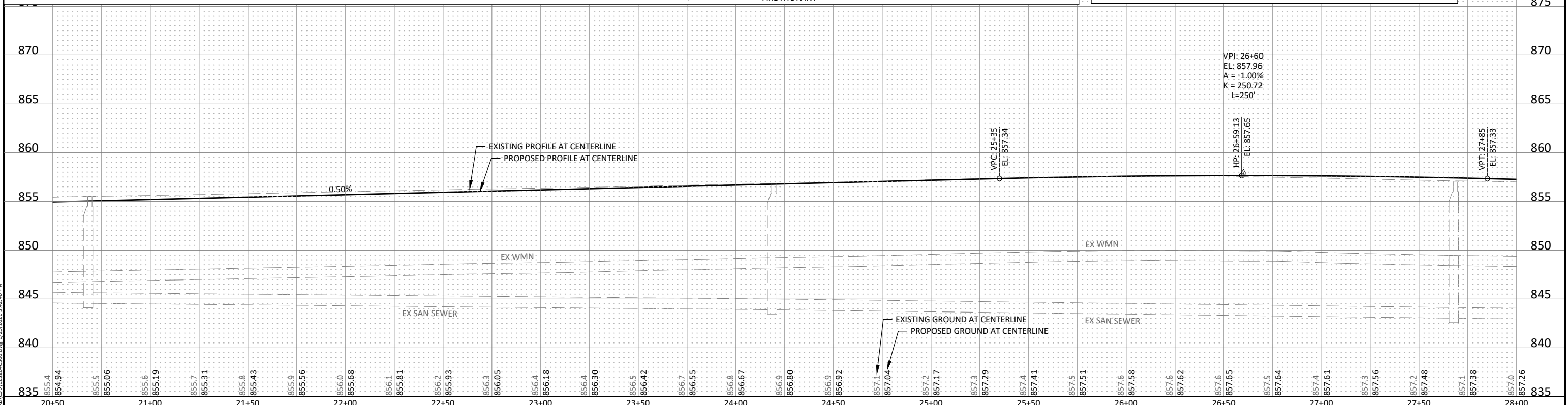
SHEET 28 OF 48

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LEGEND			
	CONSTRUCTION LIMITS		REPAIR WATER SERVICE
	STORM SEWER RECTANGULAR CASTING		PROPOSED BIT PAVEMENT
	STORM SEWER MANHOLE		PROPOSED CURB & GUTTER
	STORM SEWER PIPE		PROPOSED CONC WALK/ DRIVEWAY
	EXISTING CURB & GUTTER		EXISTING EASEMENT LINE
	EXISTING EASEMENT LINE		EXISTING RIGHT-OF-WAY
	EXISTING CONTOUR MINOR		EXISTING CONTOUR MAJOR
	PROPOSED CONTOUR MINOR		PROPOSED CONTOUR MAJOR
	UNDERGROUND COMM		VALVE
	OVERHEAD UTILITY		TRANSFORMER-ELECTRIC
	UNDERGROUND GAS		HANDHOLE
	TREE-CONIFEROUS		POLE-UTILITY
	TREE-DECIDUOUS		GUY WIRE ANCHOR
	EXISTING TRAFFIC SIGN		PEDESTAL-COMMUNICATION
	FIRE HYDRANT		PEDESTAL-ELECTRIC

NOTES	
1.	IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
2.	POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.

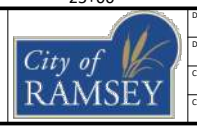


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KEVIN P. KIELB  
 LIC. NO. 23211 DATE 1/25/2021



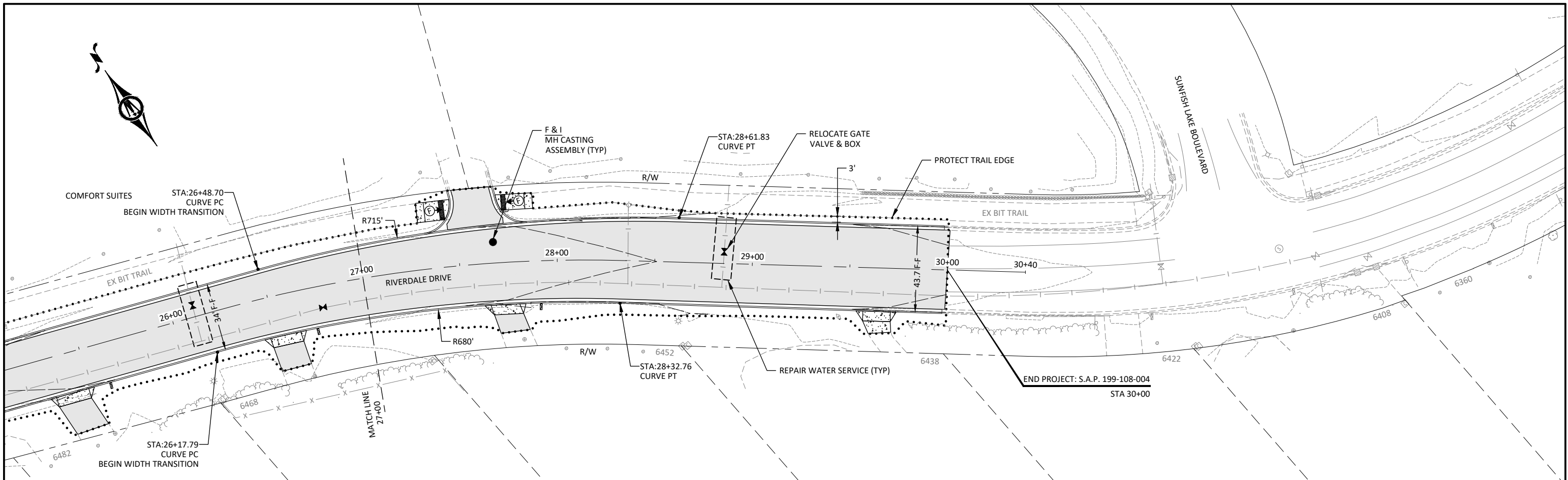
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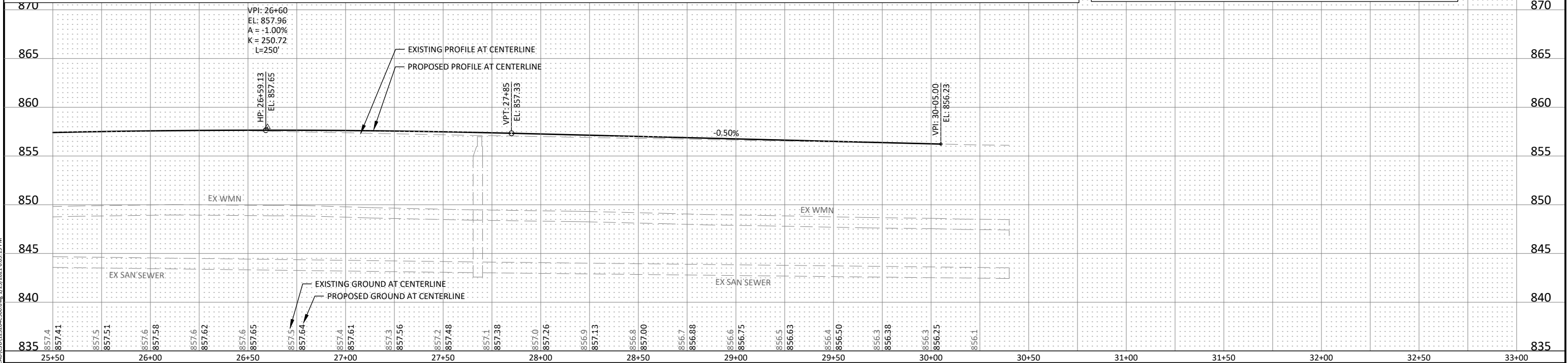
<b>CITY OF RAMSEY, MINNESOTA</b> RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004 STREET PLAN & PROFILE		SHEET 29 OF 48
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LEGEND			
●	CONSTRUCTION LIMITS	▭	REPAIR WATER SERVICE
■	STORM SEWER RECTANGULAR CASTING	▭	PROPOSED BIT PAVEMENT
●	STORM SEWER MANHOLE	▭	PROPOSED CURB & GUTTER
— >> —	STORM SEWER PIPE	▭	PROPOSED CONC WALK/ DRIVEWAY
—	EXISTING CURB & GUTTER	—	EXISTING EASEMENT LINE
—	EXISTING EASEMENT LINE	—	EXISTING RIGHT-OF-WAY
—	EXISTING RIGHT-OF-WAY	—	EXISTING CONTOUR MINOR
—	EXISTING CONTOUR MINOR	—	EXISTING CONTOUR MAJOR
—	EXISTING CONTOUR MAJOR	—	PROPOSED CONTOUR MINOR
—	PROPOSED CONTOUR MINOR	—	PROPOSED CONTOUR MAJOR
—	PROPOSED CONTOUR MAJOR	—	UNDERGROUND COMM
—	UNDERGROUND COMM	—	OVERHEAD UTILITY
—	OVERHEAD UTILITY	—	UNDERGROUND GAS
—	UNDERGROUND GAS	—	TREE-CONIFEROUS
—	TREE-CONIFEROUS	—	TREE-DECIDUOUS
—	TREE-DECIDUOUS	—	EXISTING TRAFFIC SIGN
—	EXISTING TRAFFIC SIGN	—	FIRE HYDRANT
—	FIRE HYDRANT	—	VALVE
—	VALVE	—	TRANSFORMER-ELECTRIC
—	TRANSFORMER-ELECTRIC	—	HANDHOLE
—	HANDHOLE	—	POLE-UTILITY
—	POLE-UTILITY	—	GUY WIRE ANCHOR
—	GUY WIRE ANCHOR	—	PEDESTAL-COMMUNICATION
—	PEDESTAL-COMMUNICATION	—	PEDESTAL-ELECTRIC
—	PEDESTAL-ELECTRIC	—	

- NOTES**
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Kevin P. Kiehl  
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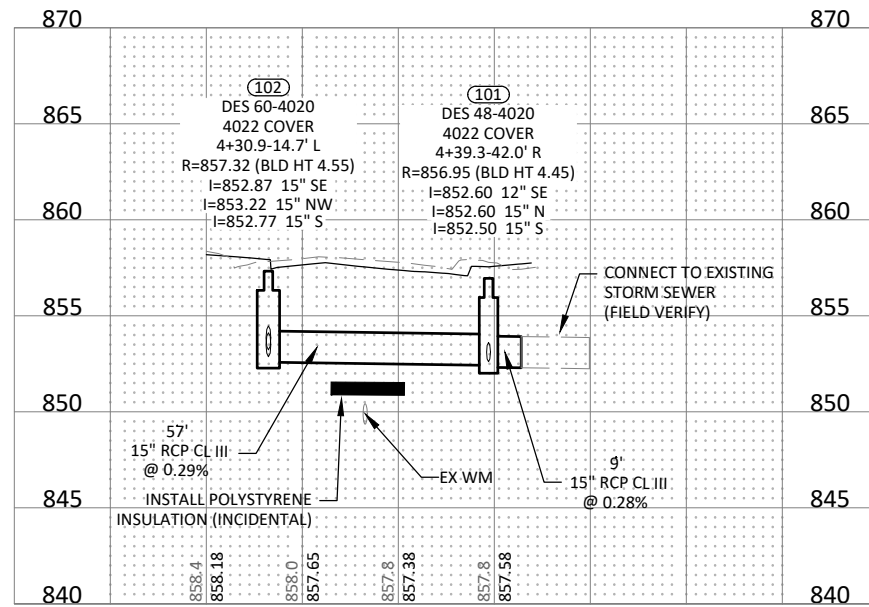
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CITY OF RAMSEY, MINNESOTA  
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
STREET PLAN & PROFILE

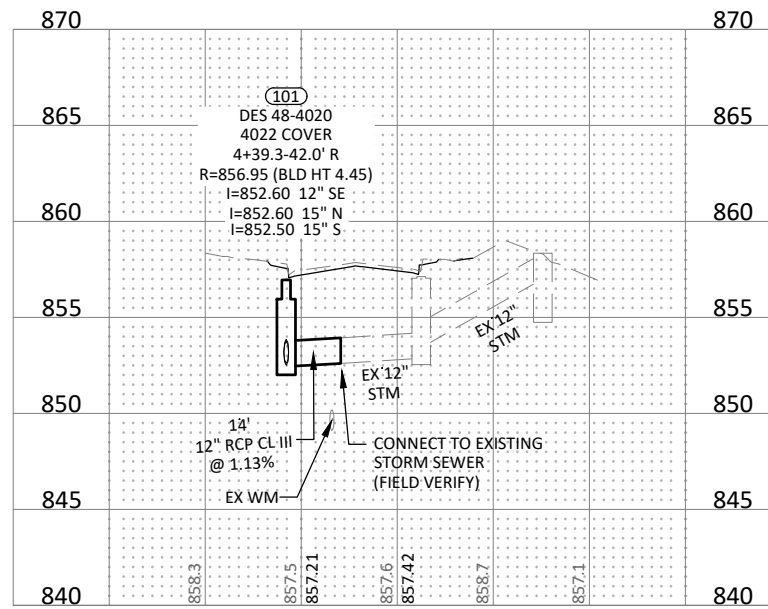
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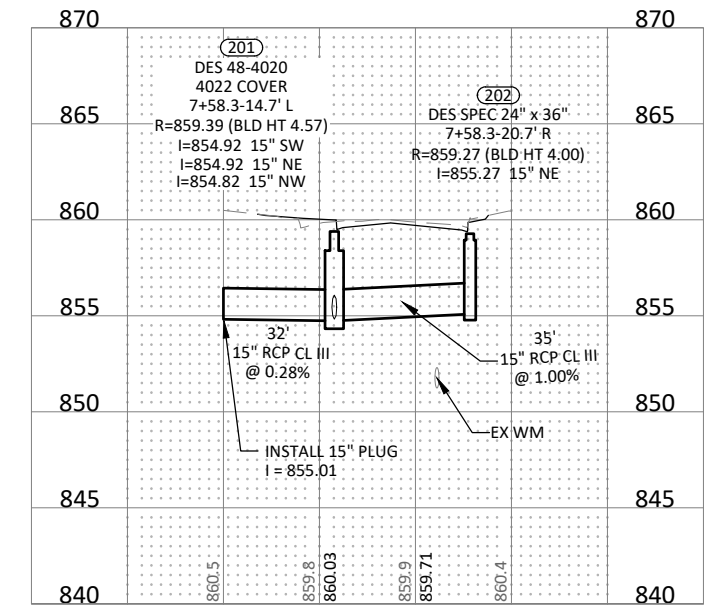
RIVERDALE DRIVE STA. 4+25



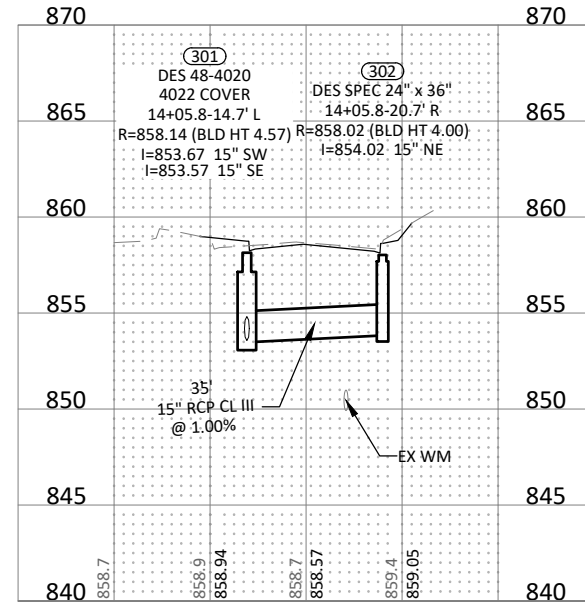
EBONY STREET STORM SEWER



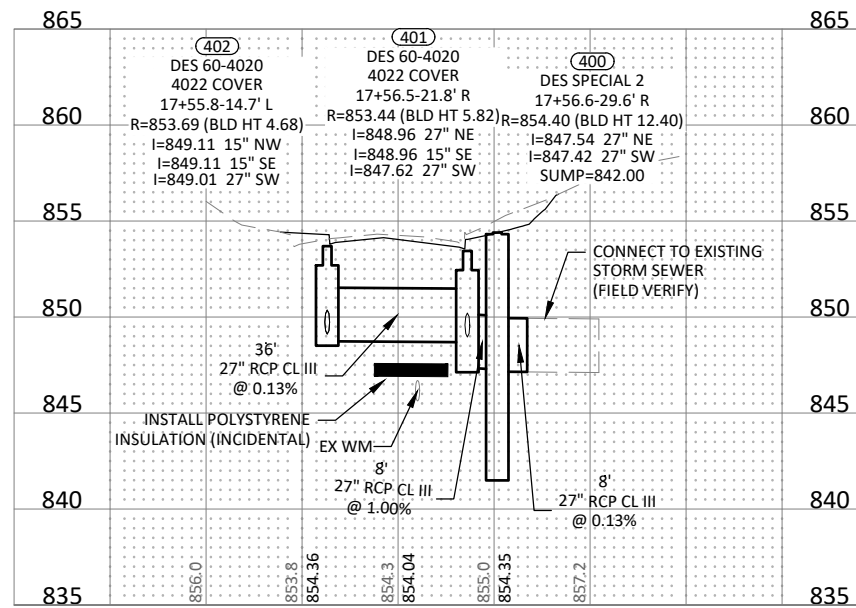
RIVERDALE DRIVE STA. 7+58



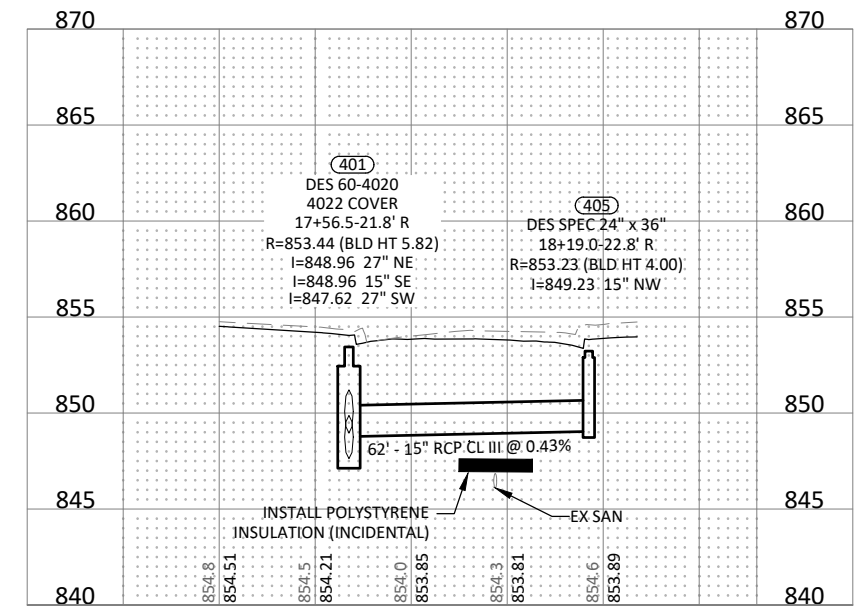
RIVERDALE DRIVE STA. 14+06



RIVERDALE DRIVE STA. 17+56



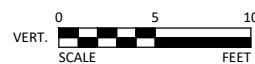
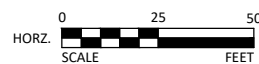
UNNAMED STREET STORM SEWER STA. 17+89



NOTES

- POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.

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*Kevin P. Kielb*  
KEVIN P. KIELB  
LIC. NO. 23211 DATE 1/25/2021



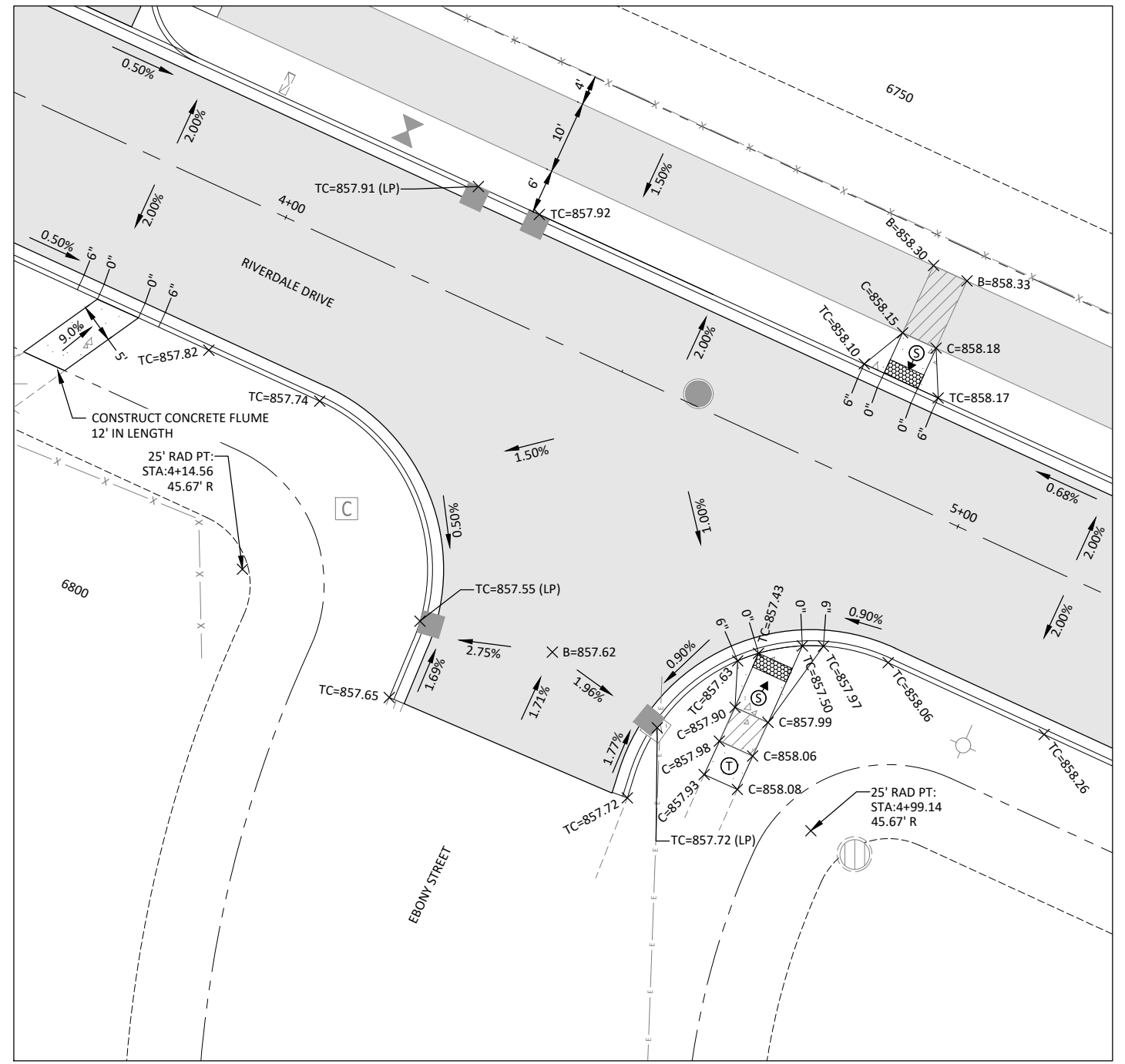
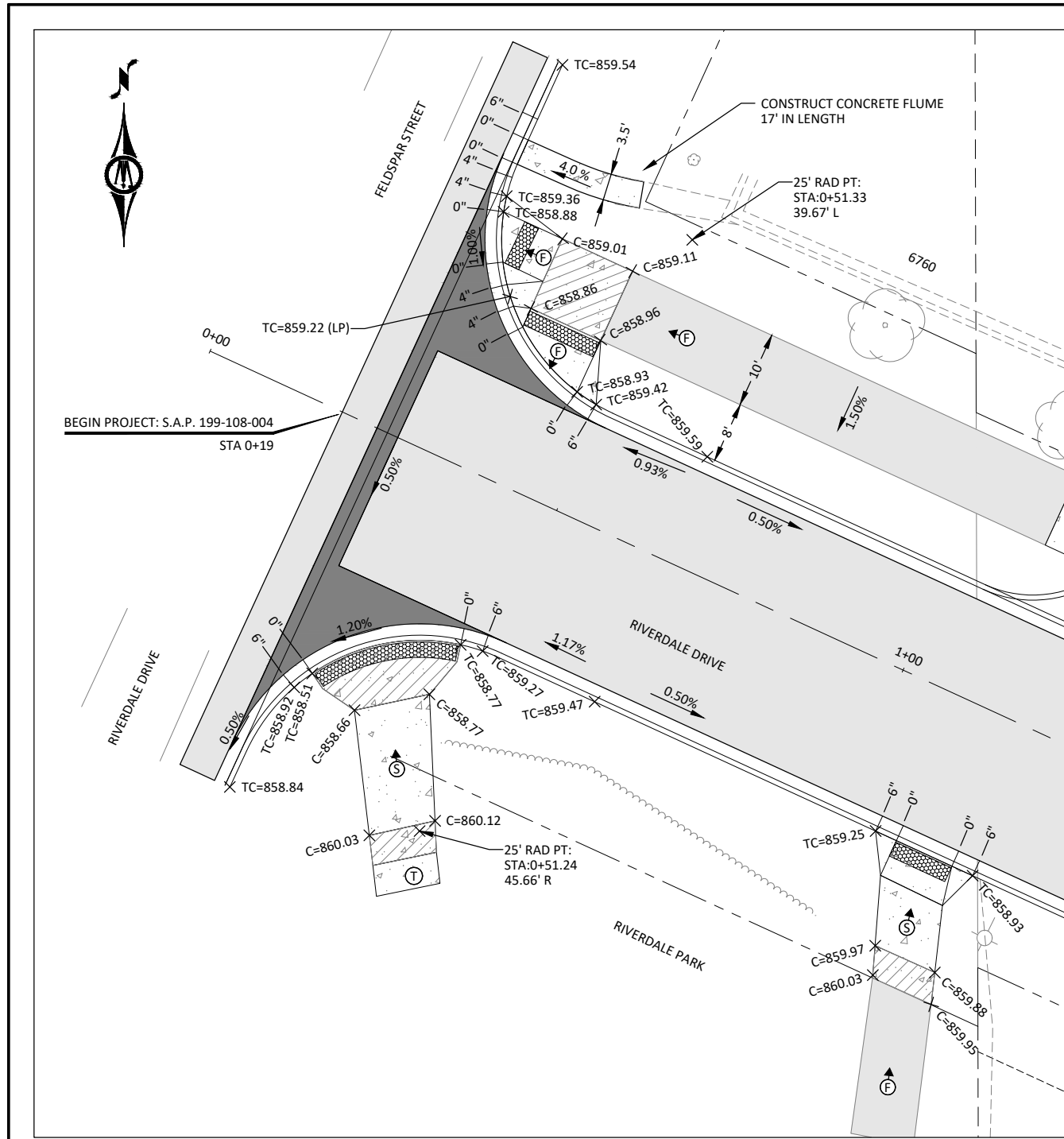
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CITY OF RAMSEY, MINNESOTA  
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

STORM SEWER LEADS



**LEGEND**

----- EXISTING CURB & GUTTER

==== B618 CONCRETE CURB & GUTTER

PROPOSED BIT PAVEMENT

7" CONCRETE VALLEY GUTTER

6" CONCRETE WALK (2521)

TRUNCATED DOMES (SEE STANDARD PLATE 7038)

LANDING AREA - 4'x4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS

—X" CURB HEIGHT

INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

TRANSITION PANEL - REQUIRED ONLY IF CROSS SLOPE OF EXISTING WALK IS GREATER THAN 2%

→ 2.0% SURFACE FLOW DIRECTION

X TC=XXX.XX PROPOSED TOP OF CURB

X G=XXX.XX PROPOSED GUTTER

X C=XXX.XX PROPOSED TOP OF CONCRETE

X B=XXX.XX PROPOSED TOP OF BITUMINOUS

**NOTES:**

1. MATCH PROPOSED GUTTER WITH EXISTING GUTTER
2. STREET RADII AND RADIUS POINTS ARE TO BACK OF CURB
3. CONCRETE SPILLWAY SHALL BE PAID AS 4" CONCRETE WALK

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 U.C. NO. 23211 DATE 1/25/2021



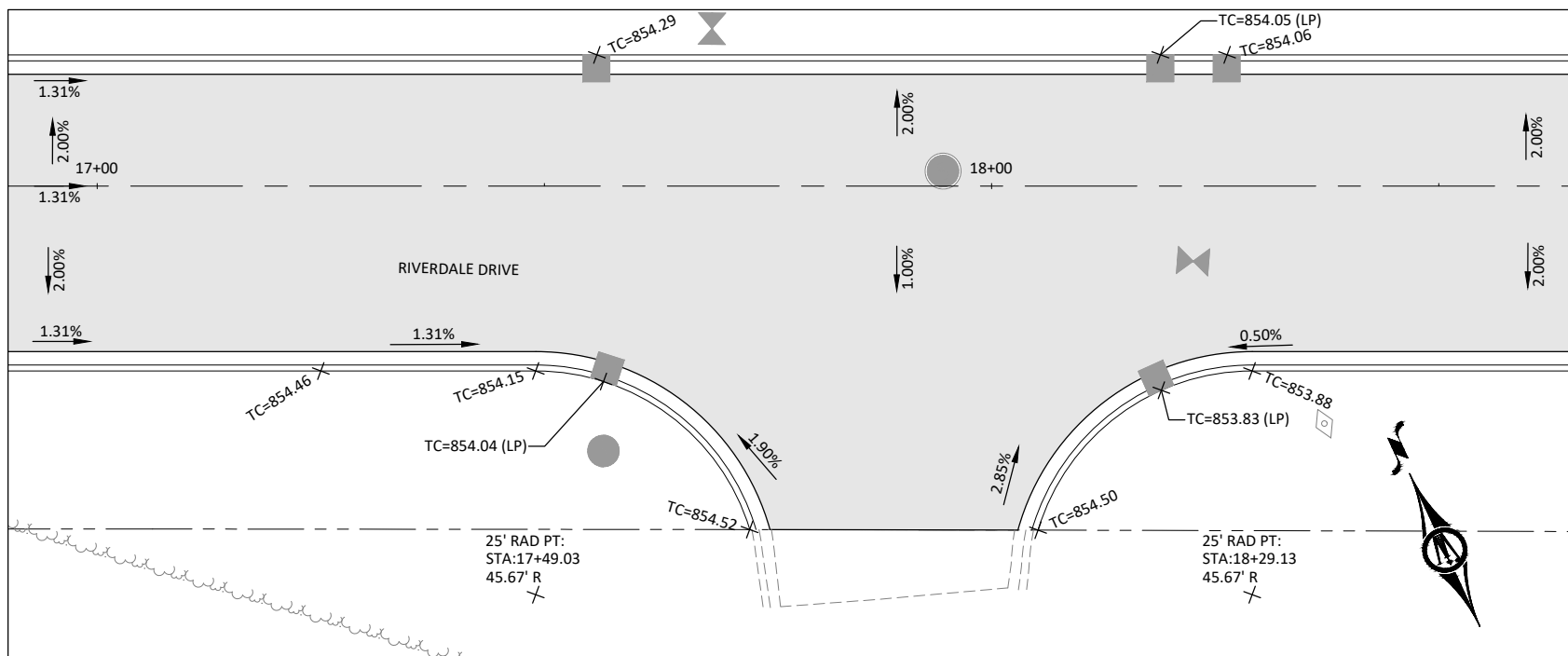
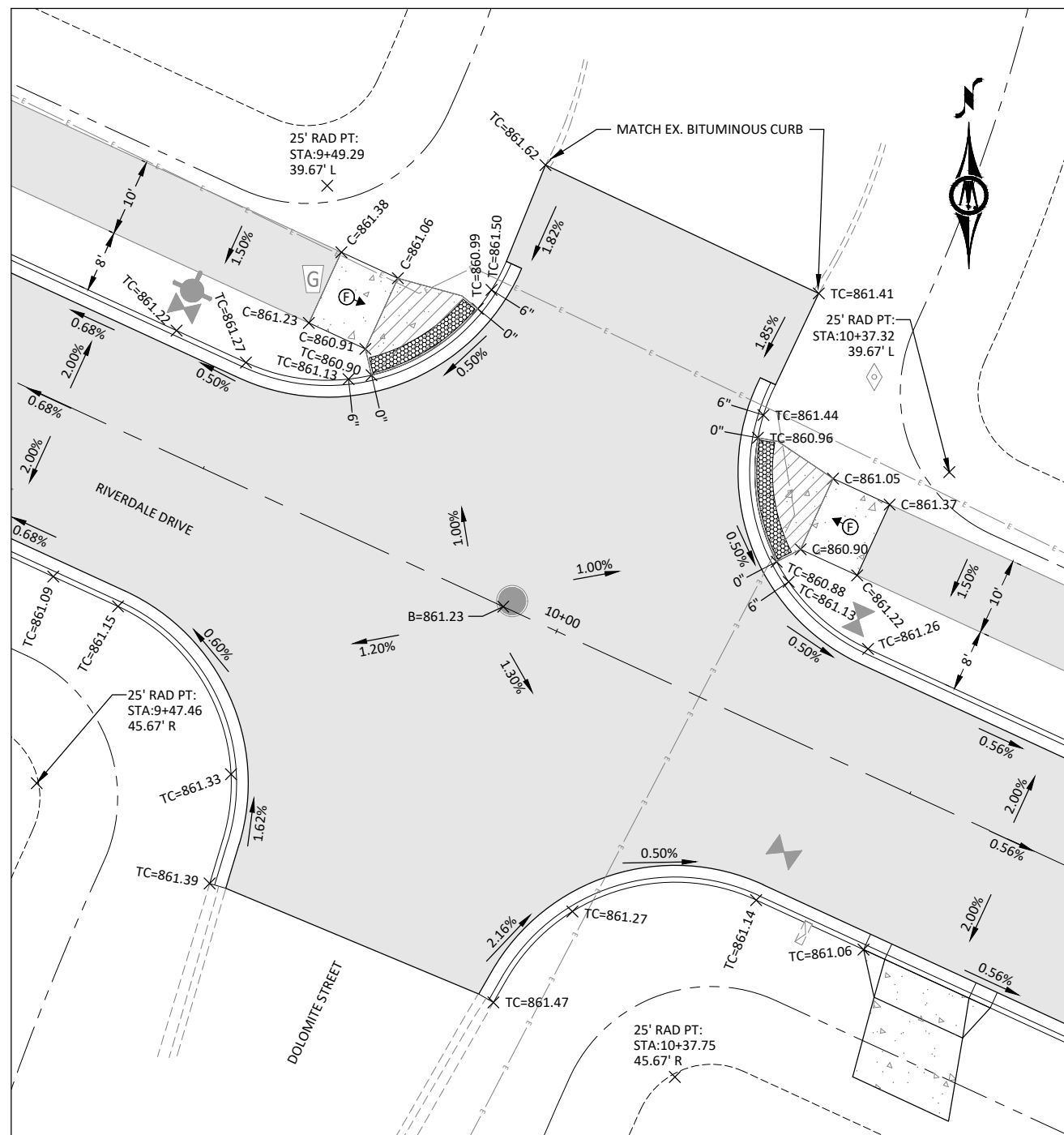
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CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
 INTERSECTION DETAILS

SHEET 32 OF 48



**LEGEND**

EXISTING CURB & GUTTER

B618 CONCRETE CURB & GUTTER

PROPOSED BIT PAVEMENT

7" CONCRETE VALLEY GUTTER

6" CONCRETE WALK (2521)

TRUNCATED DOMES (SEE STANDARD PLATE 7038)

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—X"— CURB HEIGHT

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INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

TRANSITION PANEL - REQUIRED ONLY IF CROSS SLOPE OF EXISTING WALK IS GREATER THAN 2%

→ 2.0% SURFACE FLOW DIRECTION

X TC=XXX.XX PROPOSED TOP OF CURB

X G=XXX.XX PROPOSED GUTTER

X C=XXX.XX PROPOSED TOP OF CONCRETE

X B=XXX.XX PROPOSED TOP OF BITUMINOUS

**NOTES:**

1. MATCH PROPOSED GUTTER WITH EXISTING GUTTER
2. STREET RADII AND RADIUS POINTS ARE TO BACK OF CURB

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KEVIN P. KIELB  
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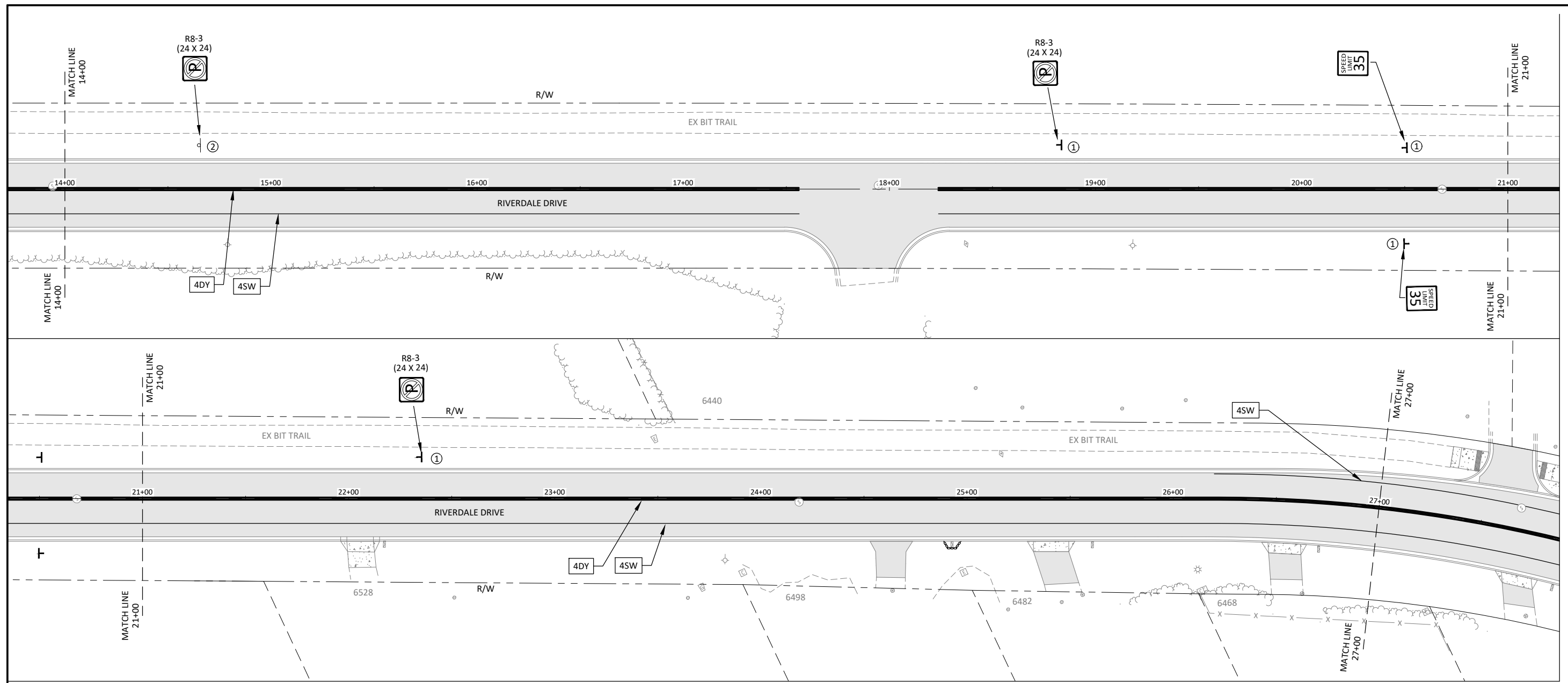
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**CITY OF RAMSEY, MINNESOTA**  
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

INTERSECTION DETAILS

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48





### LEGEND

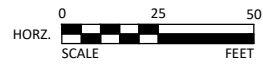
	PROPOSED BIT PAVEMENT		EXISTING EASEMENT LINE
	PROPOSED CURB & GUTTER		EXISTING RIGHT-OF-WAY
	RECTANGLE - MULTI COMP		TREE-CONIFEROUS
	CROSSWALK BLOCK MULTI COMP		TREE-DECIDUOUS
	FURNISH & INSTALL NEW SIGN		EXISTING TRAFFIC SIGN
	REINSTALL EXISTING SIGN		WET WELL
			VALVE VAULT
			FIRE HYDRANT
			VALVE
			TRANSFORMER-ELECTRIC
			PEDESTAL-COMMUNICATION
			PEDESTAL-ELECTRIC
			HANDHOLE
			POLE-UTILITY
			GUY WIRE ANCHOR

1ST DIGIT(S)	2ND DIGIT	3RD DIGIT
WIDTH	PATTERN	COLOR
4", 8", ETC.	S - SOLID	W - WHITE
	B - BROKEN	Y - YELLOW
	D - DOTTED/DOUBLE	B - BLACK

EXAMPLE: = 4" SOLID LINE WHITE - MULTI COMP

- NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TRAFFIC CONTROL SIGNS AND DEVICES COMPLY WITH THE REQUIREMENTS OF THE MN MUTCD AT ALL TIMES DURING CONSTRUCTION
  2. THE CITY OF RAMSEY WILL REMOVE/SALVAGE EXISTING SIGNS DURING CONSTRUCTION
  3. THE CITY OF RAMSEY SHALL FURNISH & INSTALL ALL NEW SIGNS
  4. THE CONTRACTOR SHALL CONTACT THE CITY 48 HOURS IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED/SALVAGED
  5. THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS
  6. THE CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO THE CITY OF RAMSEY PRIOR TO THE PERMANENT SIGNS BEING REQUIRED TO BE INSTALLED/REINSTALLED



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 KEVIN P. KIELB  
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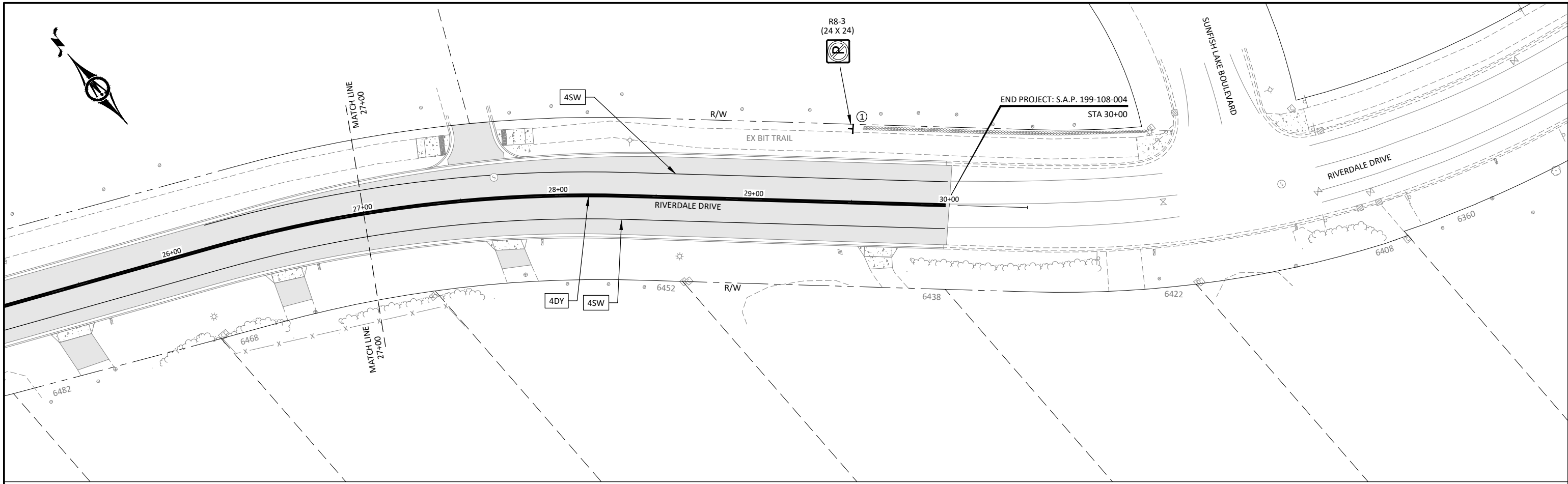
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CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
 STREET SIGNAGE & STRIPING PLAN

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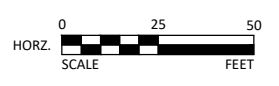
**LEGEND**

	PROPOSED BIT PAVEMENT		EXISTING CURB & GUTTER						
	PROPOSED CURB & GUTTER		EXISTING EASEMENT LINE						
	RECTANGLE - MULTI COMP		EXISTING RIGHT-OF-WAY						
	CROSSWALK BLOCK MULTI COMP		OVERHEAD UTILITY						
	FURNISH & INSTALL NEW SIGN		TREE-CONIFEROUS						
	REINSTALL EXISTING SIGN		TREE-DECIDUOUS						
<table border="1"> <tr> <th>1ST DIGIT(S) WIDTH 4", 8", ETC.</th> <th>2ND DIGIT PATTERN S - SOLID B - BROKEN D - DOTTED/DOUBLE</th> <th>3RD DIGIT COLOR W - WHITE Y - YELLOW B - BLACK</th> </tr> <tr> <td colspan="3">EXAMPLE: <b>4SW</b> = 4" SOLID LINE WHITE - MULTI COMP</td> </tr> </table>				1ST DIGIT(S) WIDTH 4", 8", ETC.	2ND DIGIT PATTERN S - SOLID B - BROKEN D - DOTTED/DOUBLE	3RD DIGIT COLOR W - WHITE Y - YELLOW B - BLACK	EXAMPLE: <b>4SW</b> = 4" SOLID LINE WHITE - MULTI COMP		
1ST DIGIT(S) WIDTH 4", 8", ETC.	2ND DIGIT PATTERN S - SOLID B - BROKEN D - DOTTED/DOUBLE	3RD DIGIT COLOR W - WHITE Y - YELLOW B - BLACK							
EXAMPLE: <b>4SW</b> = 4" SOLID LINE WHITE - MULTI COMP									
	WET WELL		FIRE HYDRANT						
	VALVE VAULT		VALVE						
	TRANSFORMER-ELECTRIC		PEDESTAL-COMMUNICATION						
	PEDESTAL-ELECTRIC		HANDHOLE						
	POLE-UTILITY		GUY WIRE ANCHOR						

**NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TRAFFIC CONTROL SIGNS AND DEVICES COMPLY WITH THE REQUIREMENTS OF THE MN MUTCD AT ALL TIMES DURING CONSTRUCTION
2. THE CITY OF RAMSEY WILL REMOVE/SALVAGE EXISTING SIGNS DURING CONSTRUCTION
3. THE CITY OF RAMSEY SHALL FURNISH & INSTALL ALL NEW SIGNS
4. THE CONTRACTOR SHALL CONTACT THE CITY 48 HOURS IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED/SALVAGED
5. THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS
6. THE CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO THE CITY OF RAMSEY PRIOR TO THE PERMANENT SIGNS BEING REQUIRED TO BE INSTALLED/REINSTALLED

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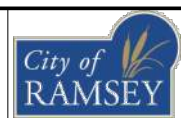


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 KEVIN P. KIELB  
 LIC. NO. 23211 DATE 1/25/2021



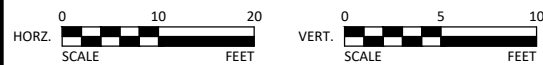
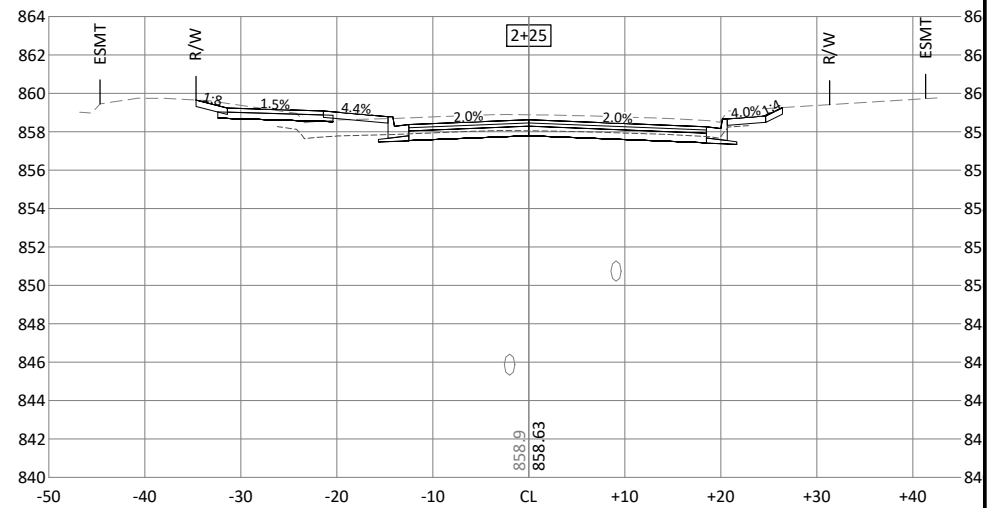
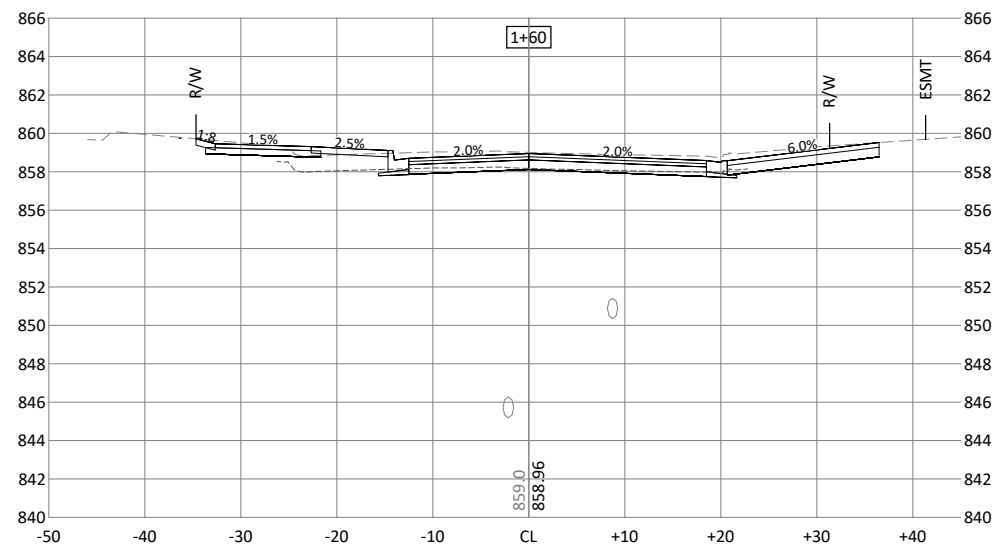
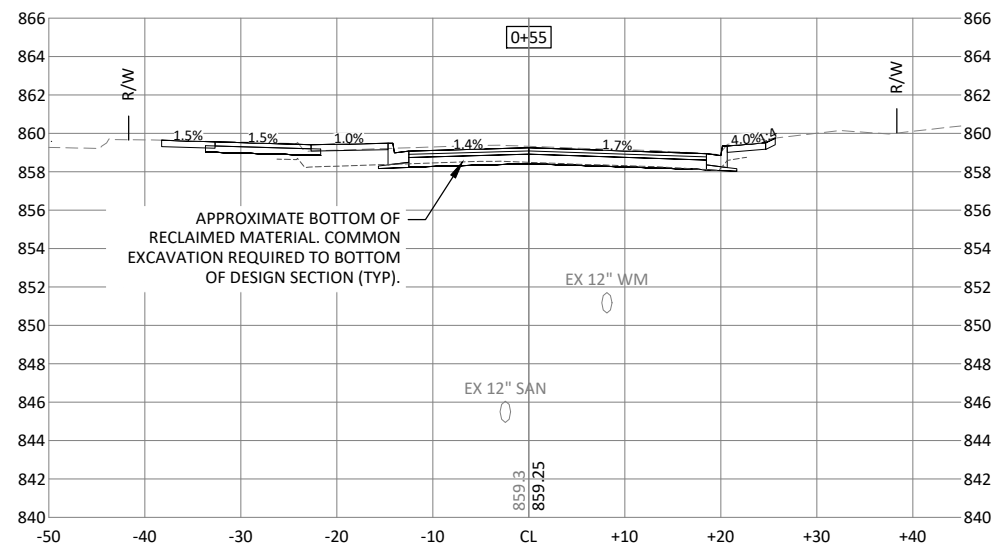
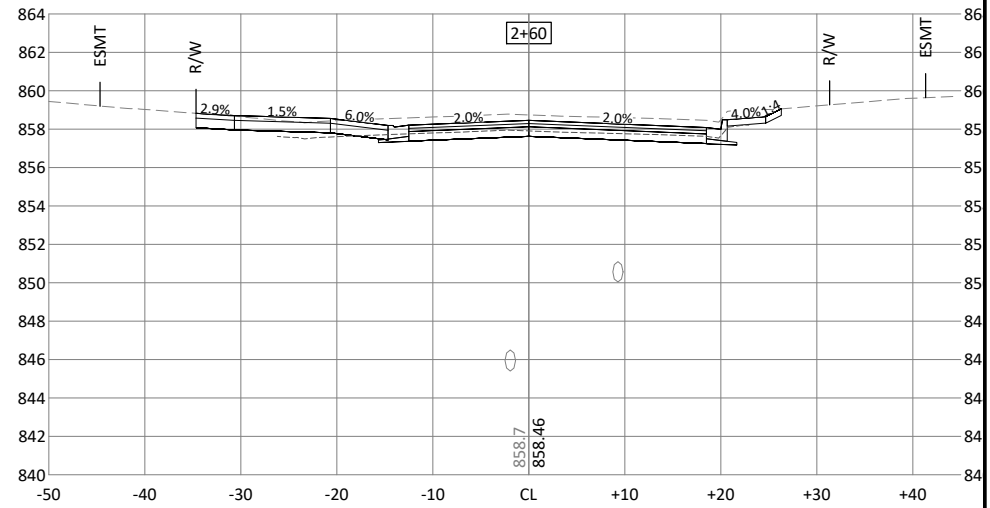
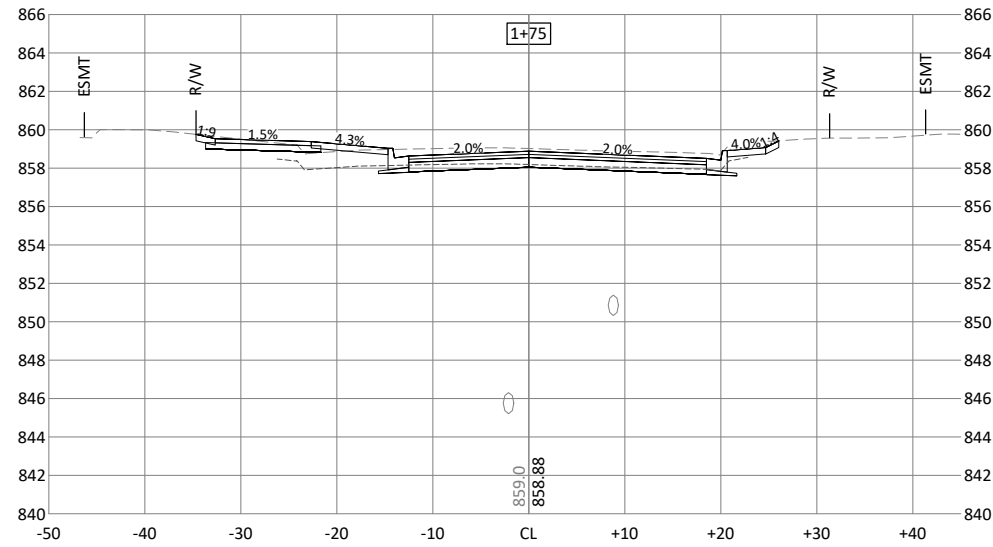
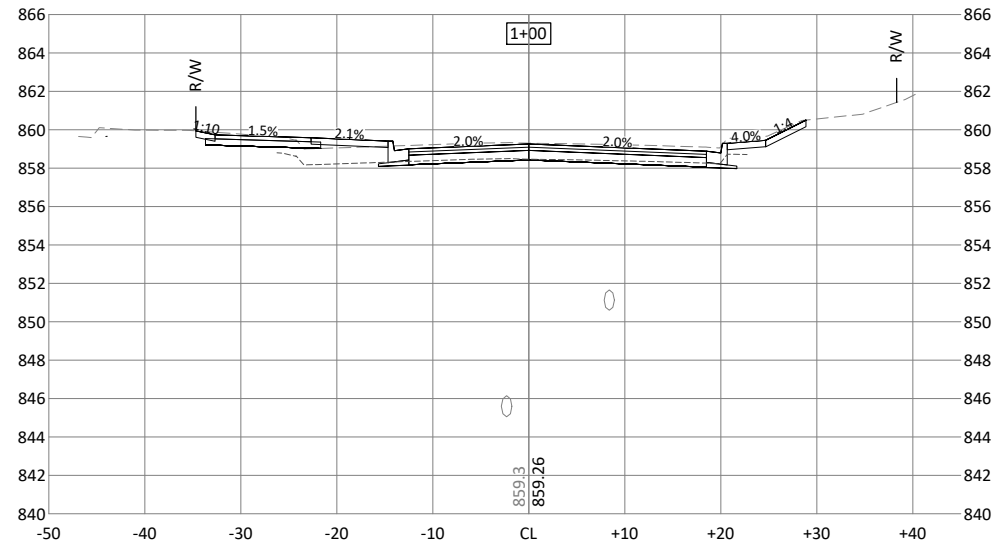
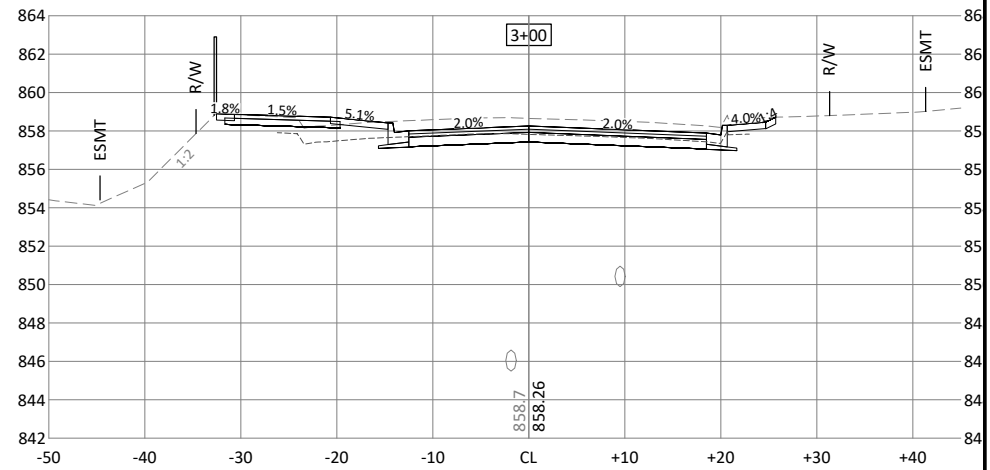
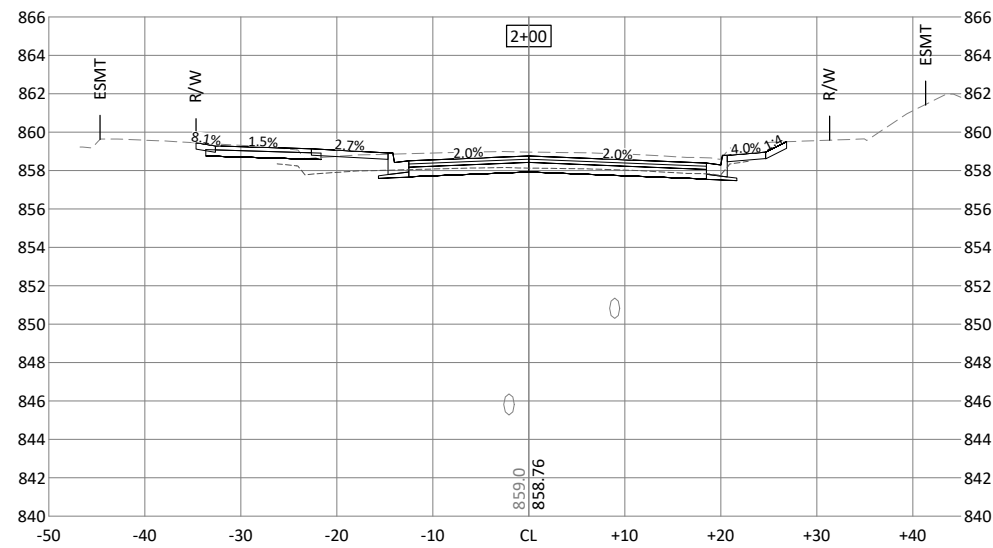
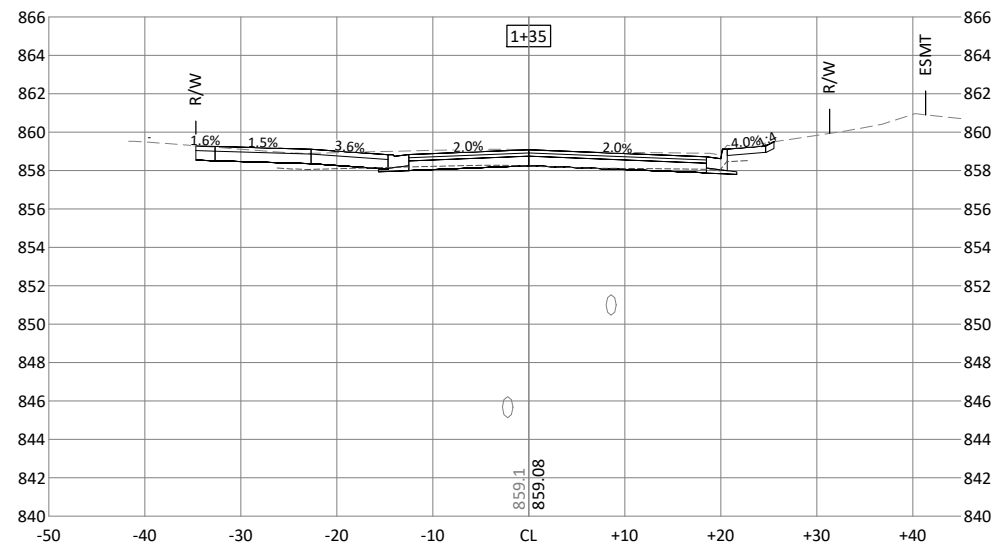
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CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
**STREET SIGNAGE & STRIPING PLAN**

SHEET 36  
 OF 48



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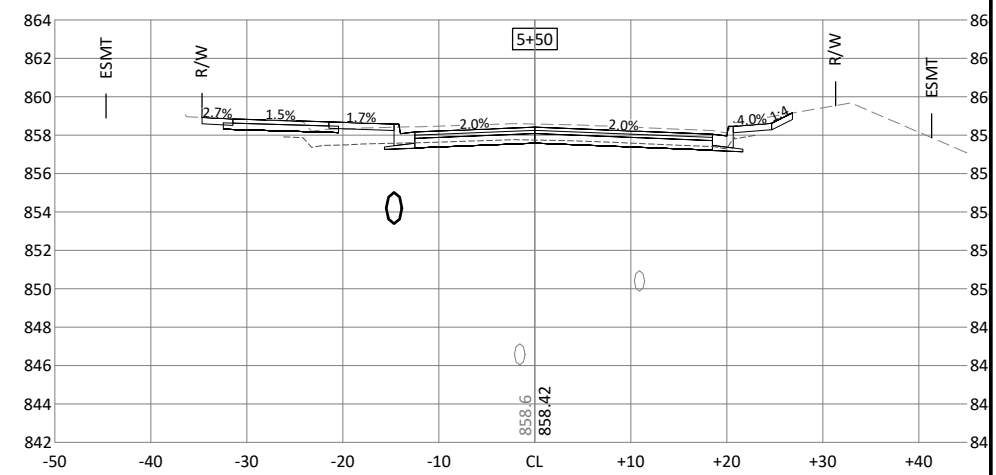
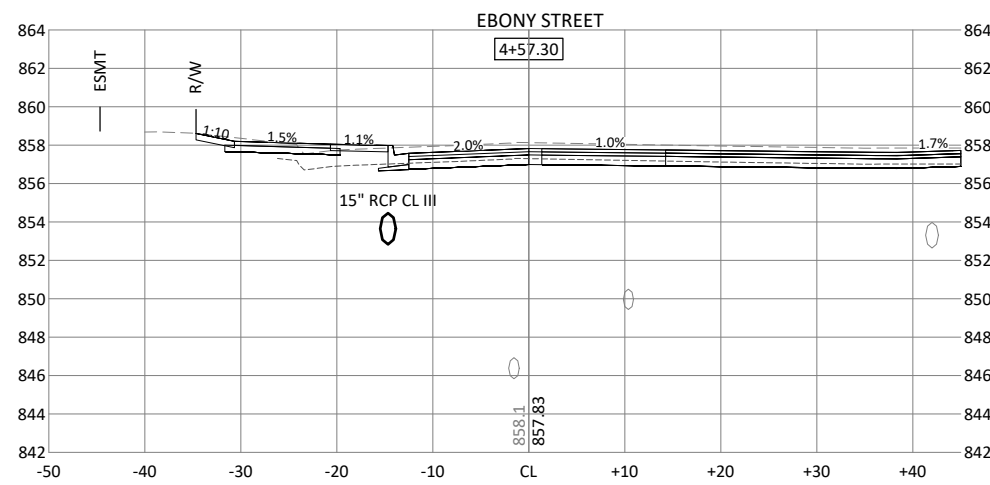
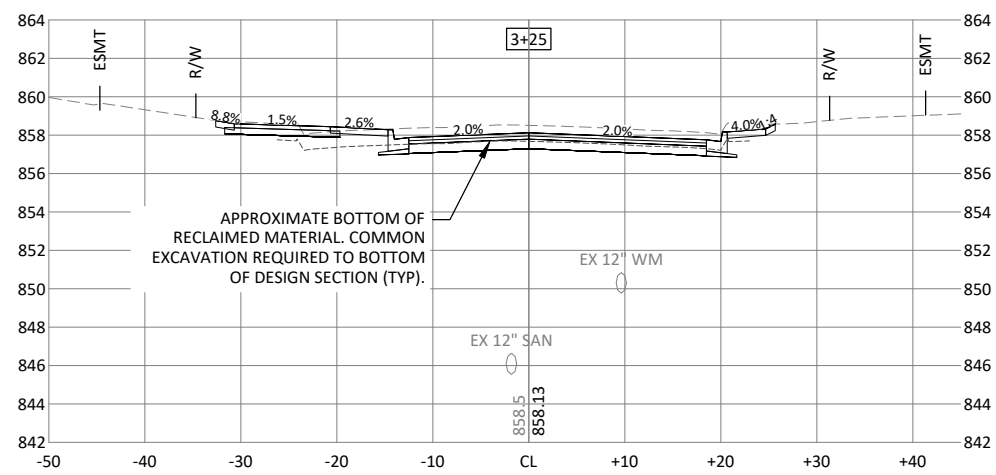
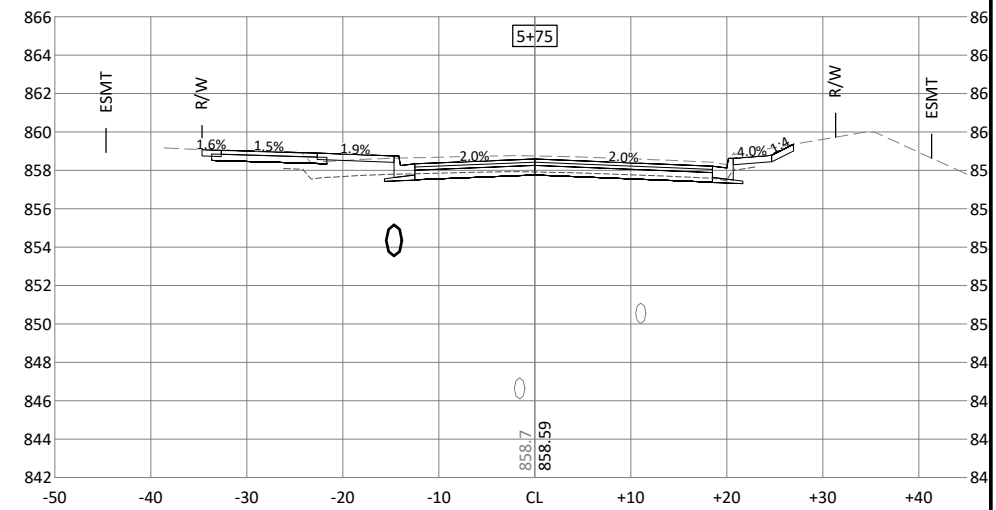
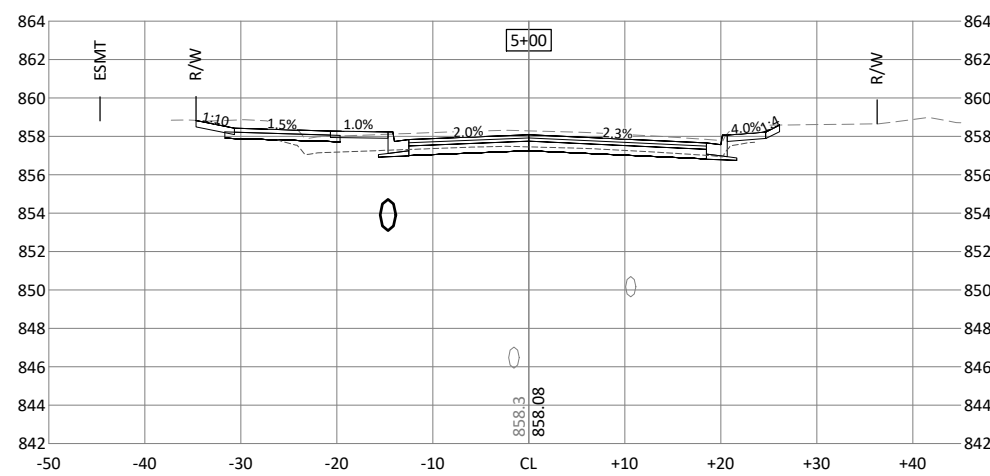
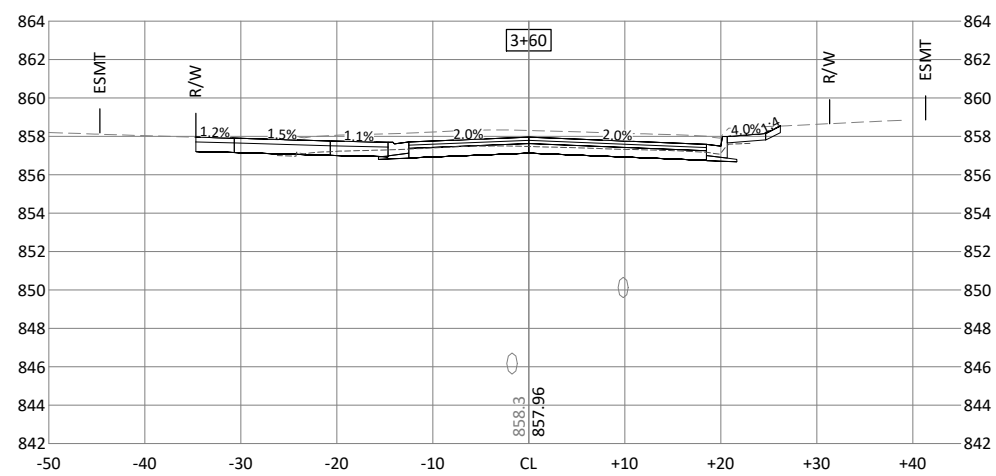
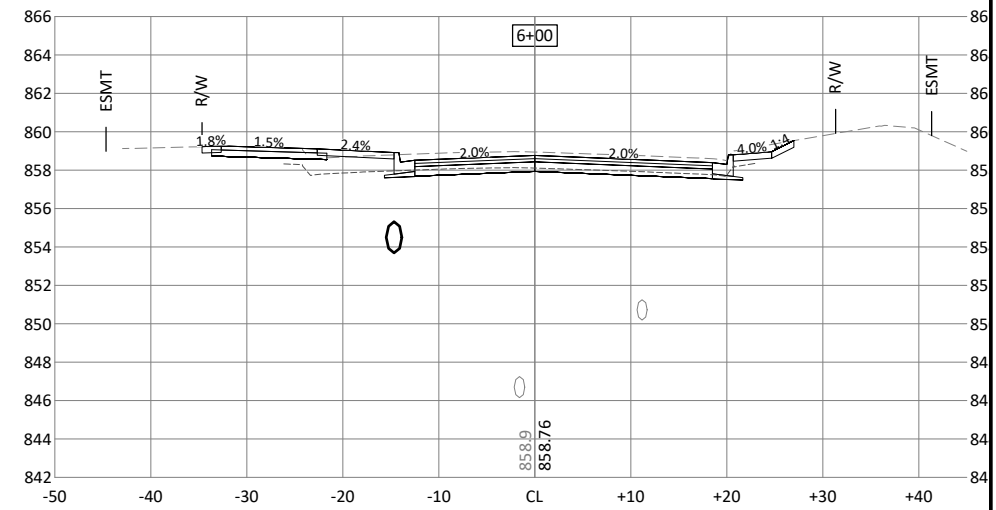
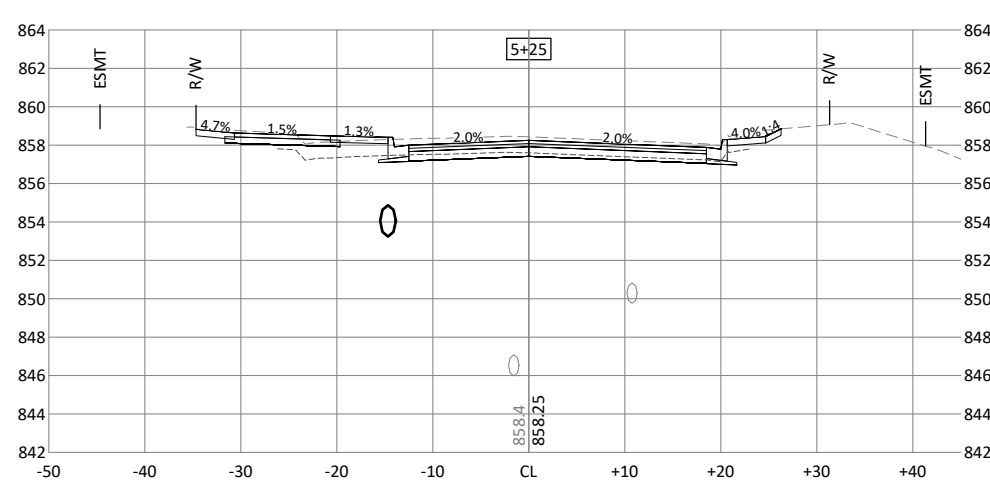
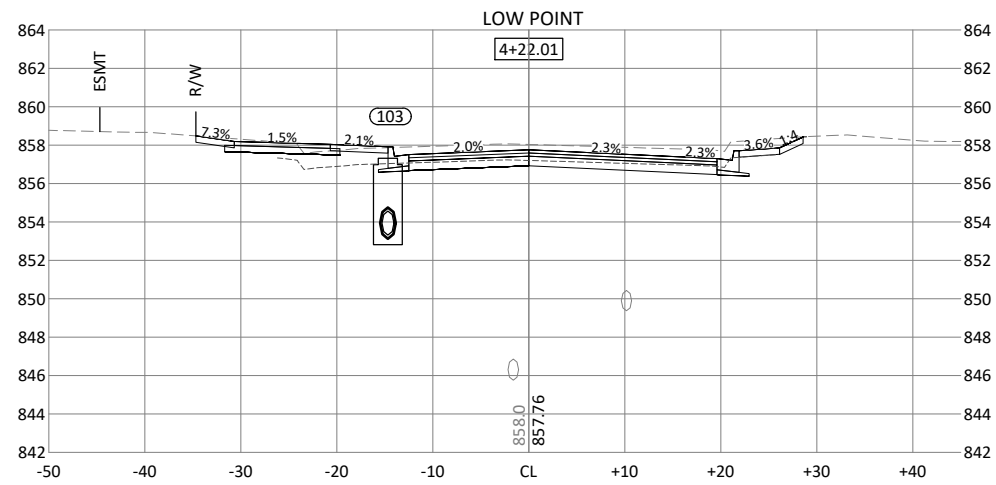
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CITY OF RAMSEY, MINNESOTA  
 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
 CROSS SECTIONS

SHEET  
 37  
 OF  
 48

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*Kevin P. Kiehl*  
KEVIN P. KIEHL  
LIC. NO. 23211 DATE 1/25/2021

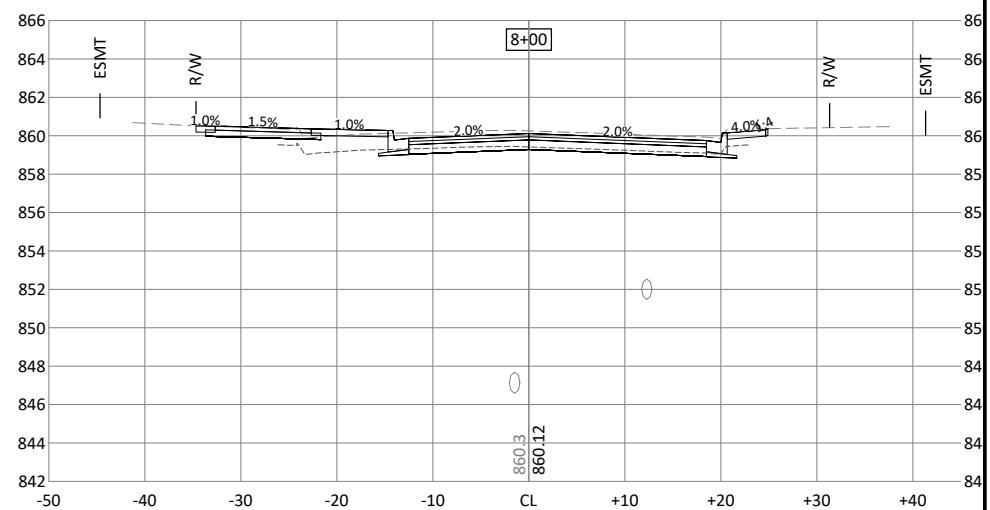
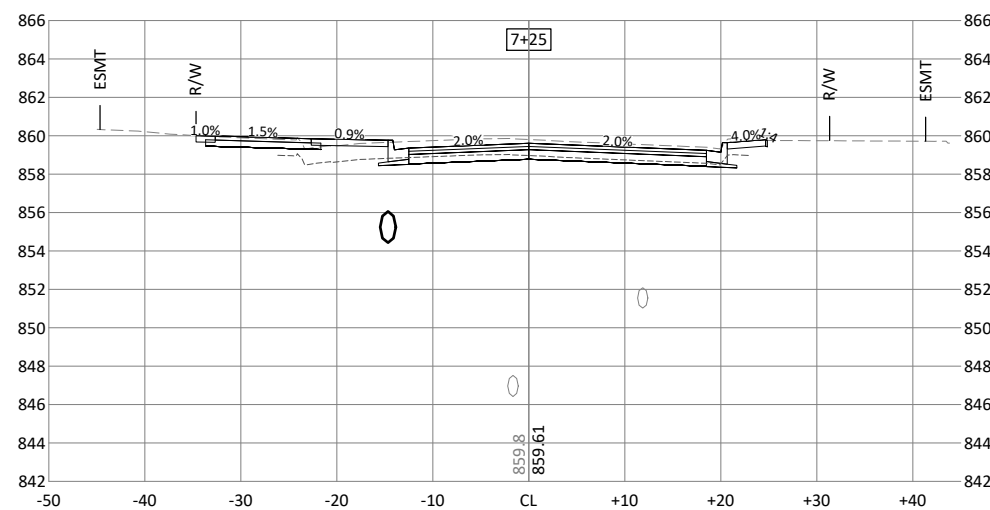
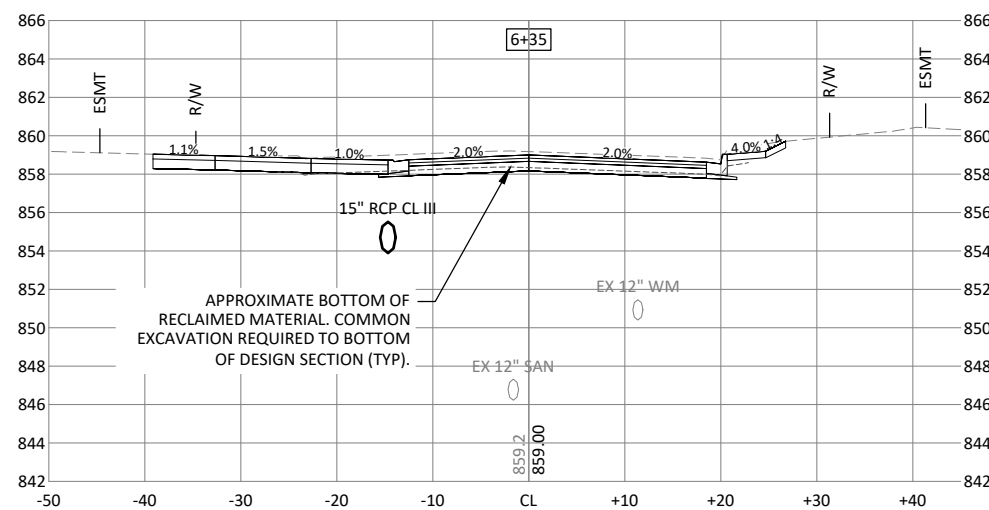
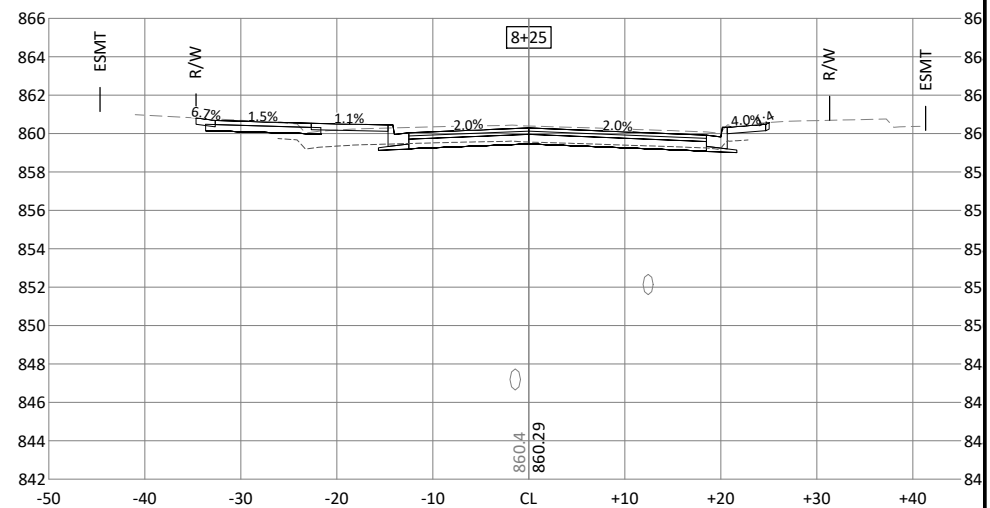
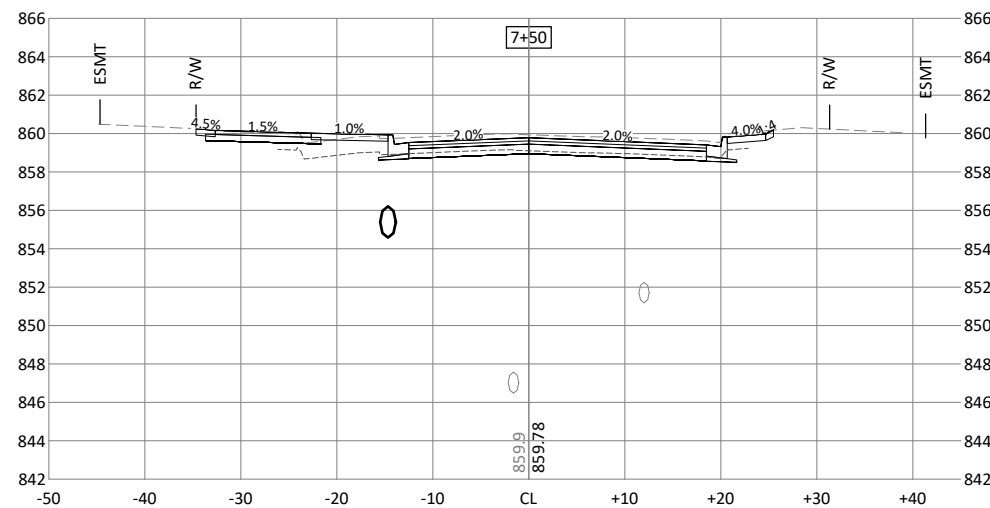
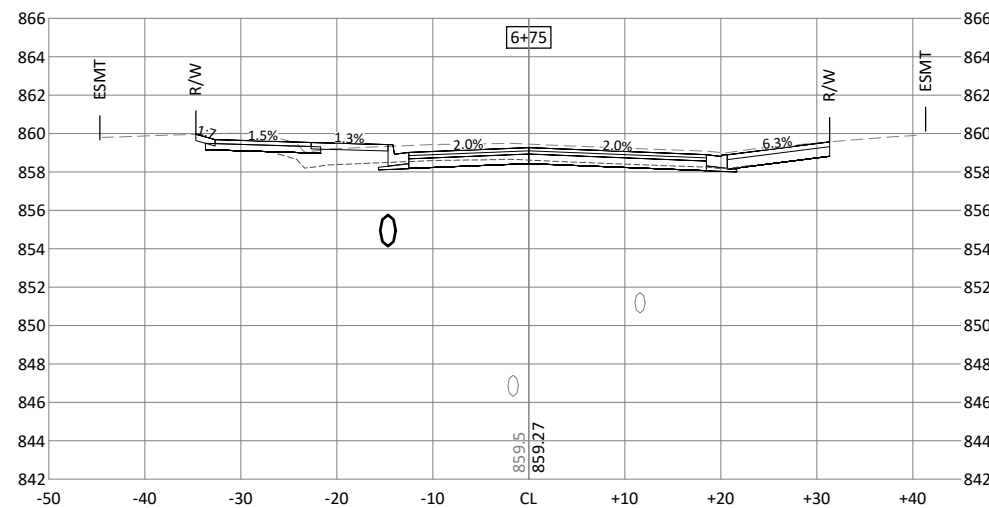
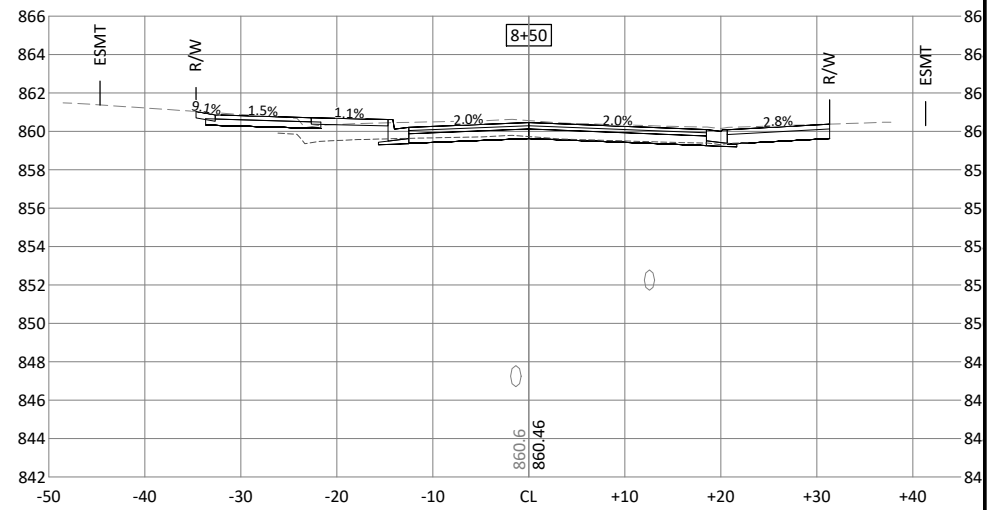
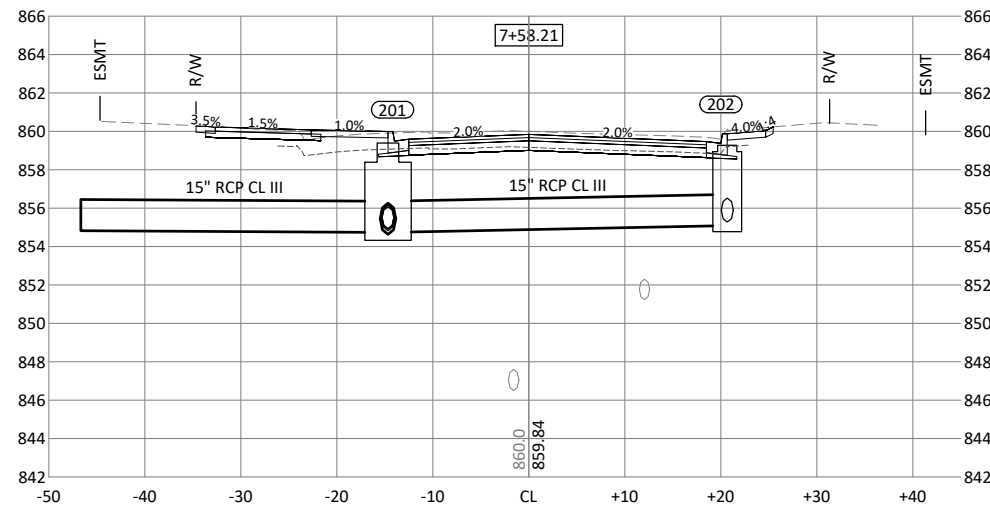
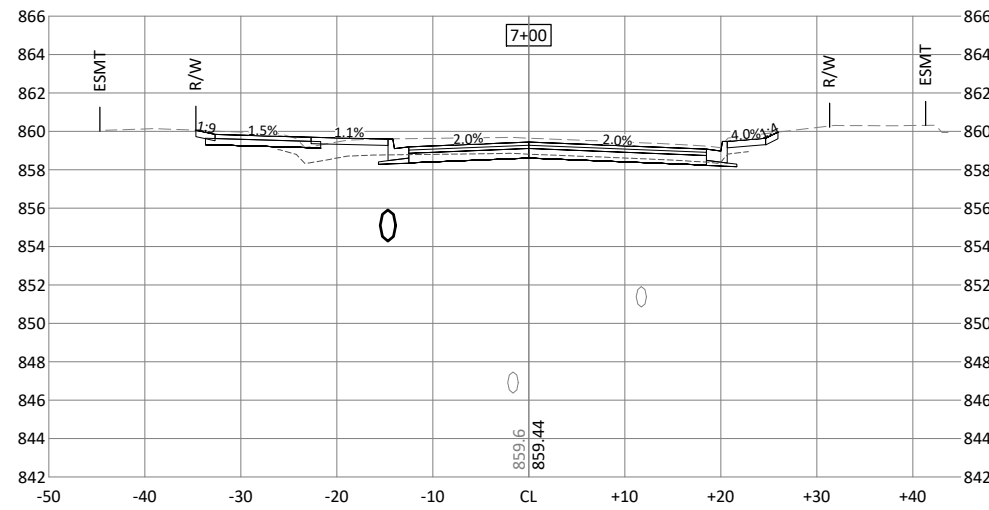


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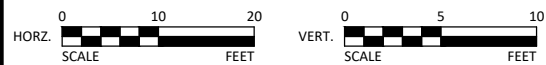


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KEVIN P. KIELB  
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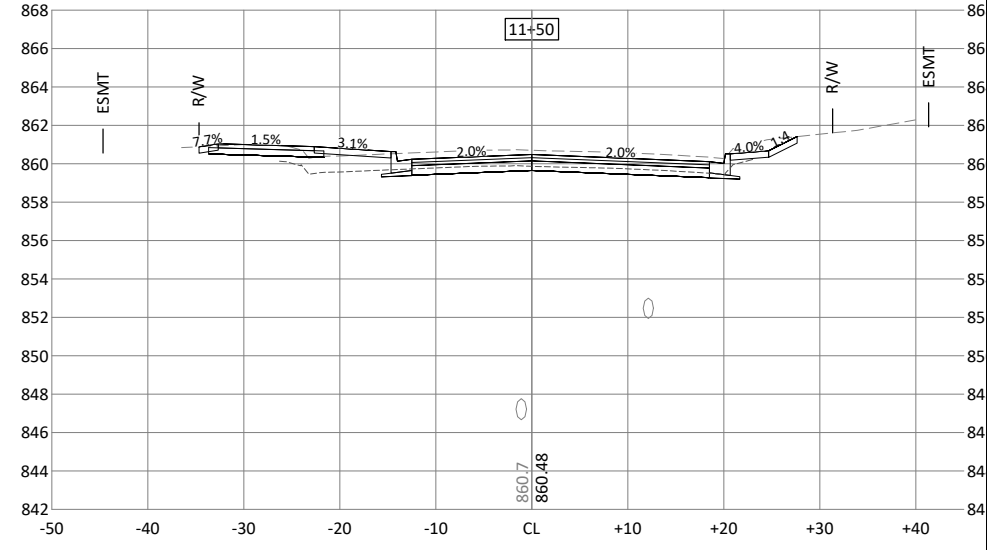
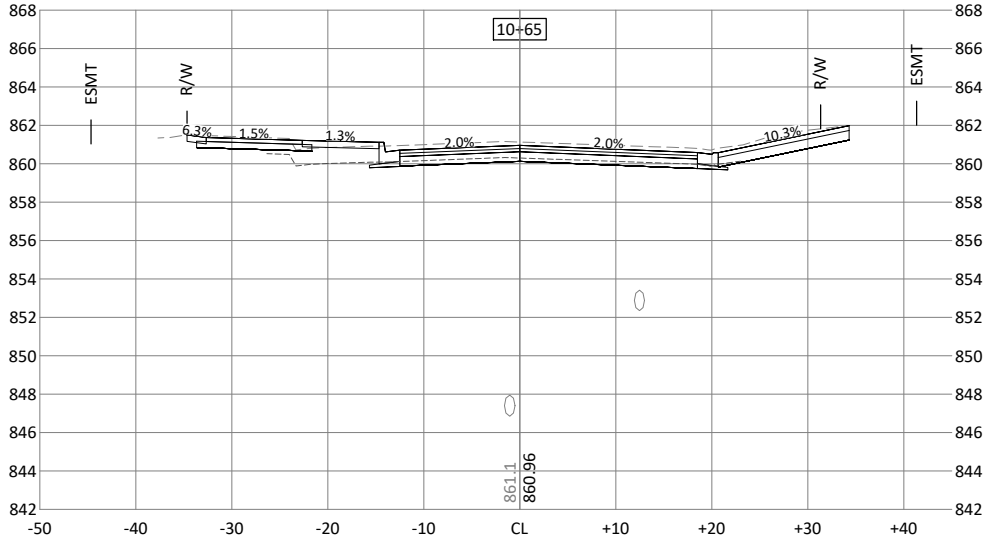
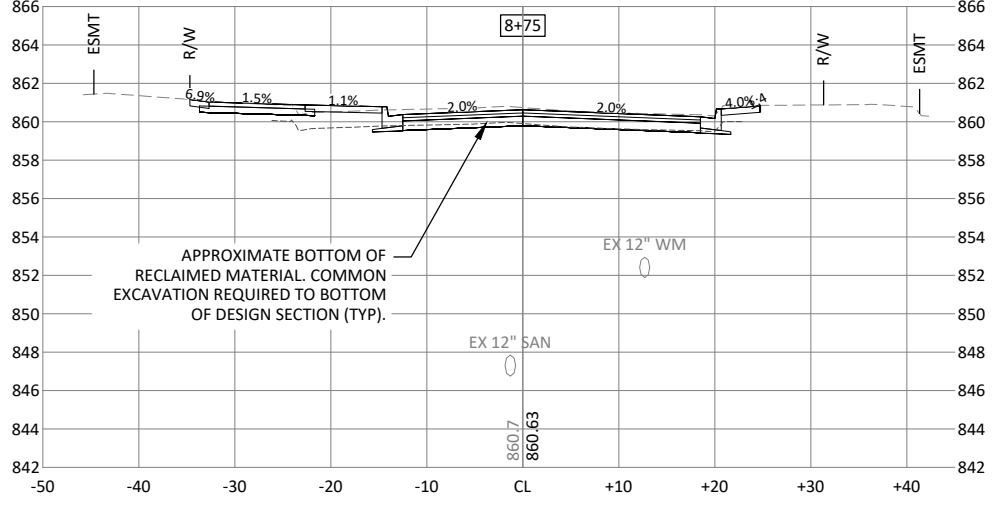
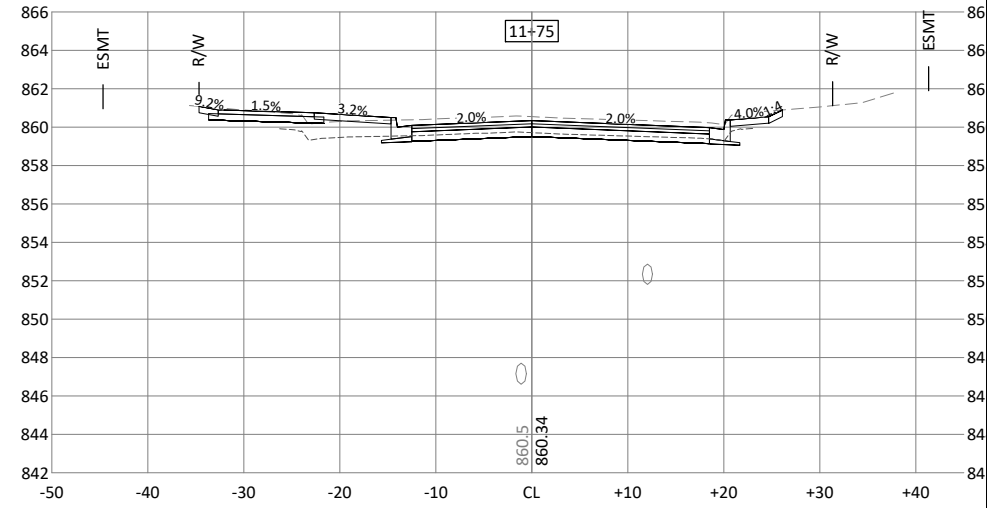
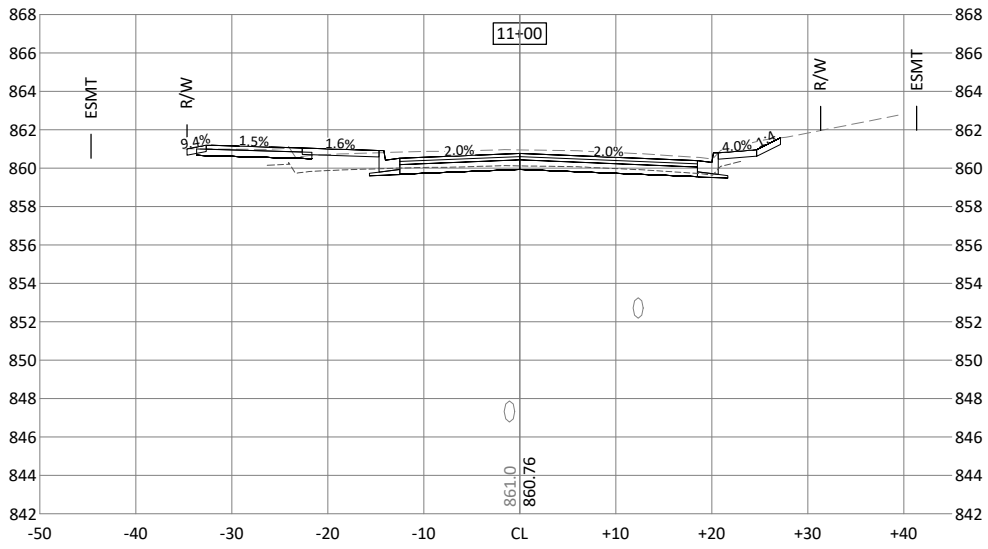
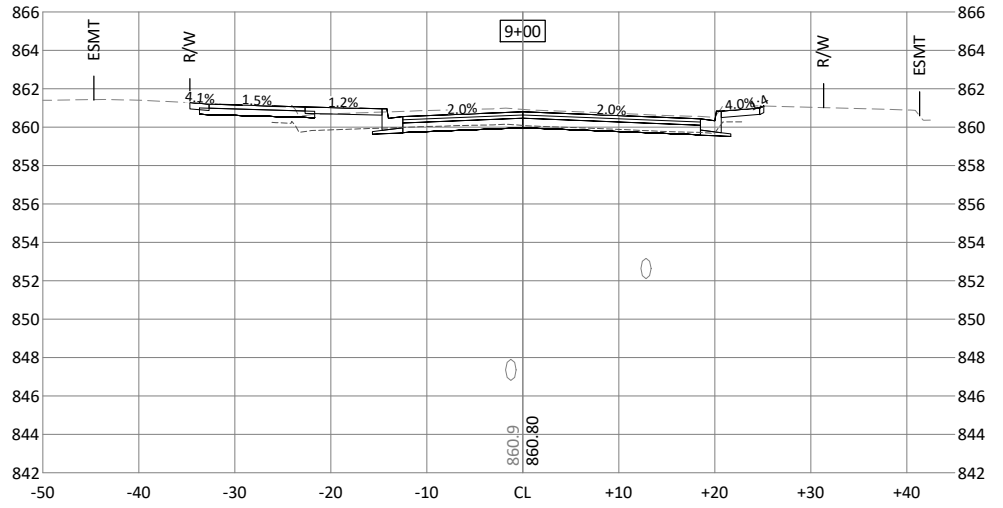
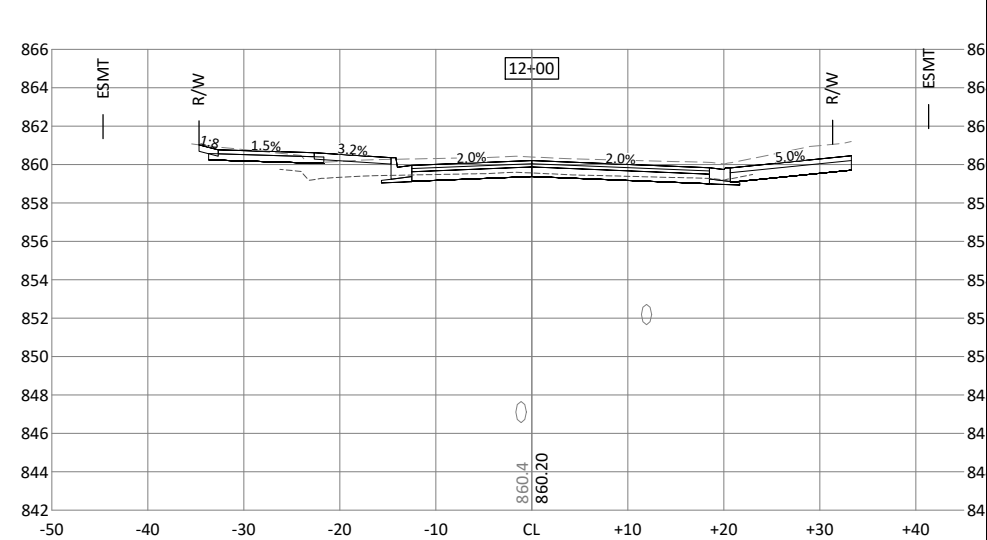
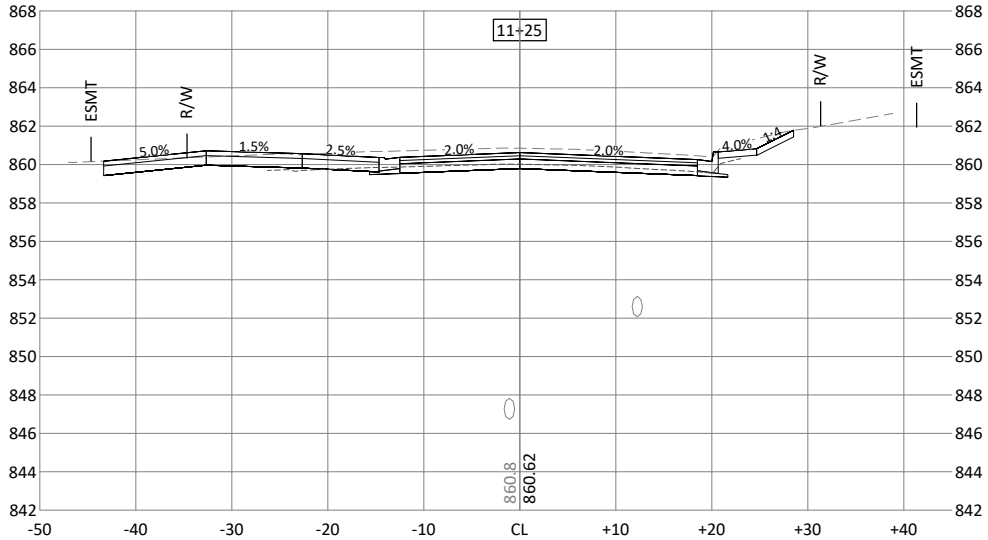
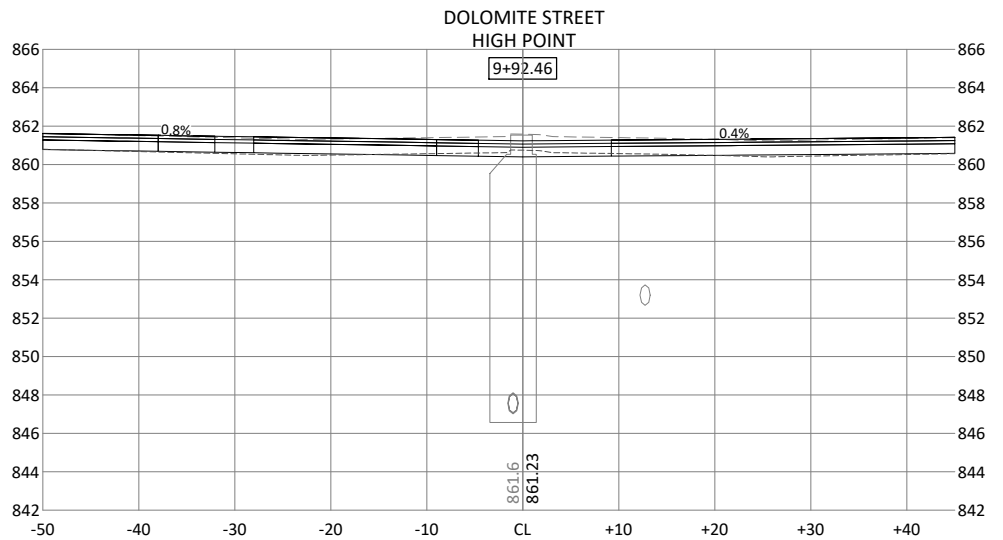


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CITY OF RAMSEY, MINNESOTA  
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

CROSS SECTIONS

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*Kevin P. Kiehl*  
 KEVIN P. KIELB  
 LIC. NO. 23211 DATE 1/25/2021



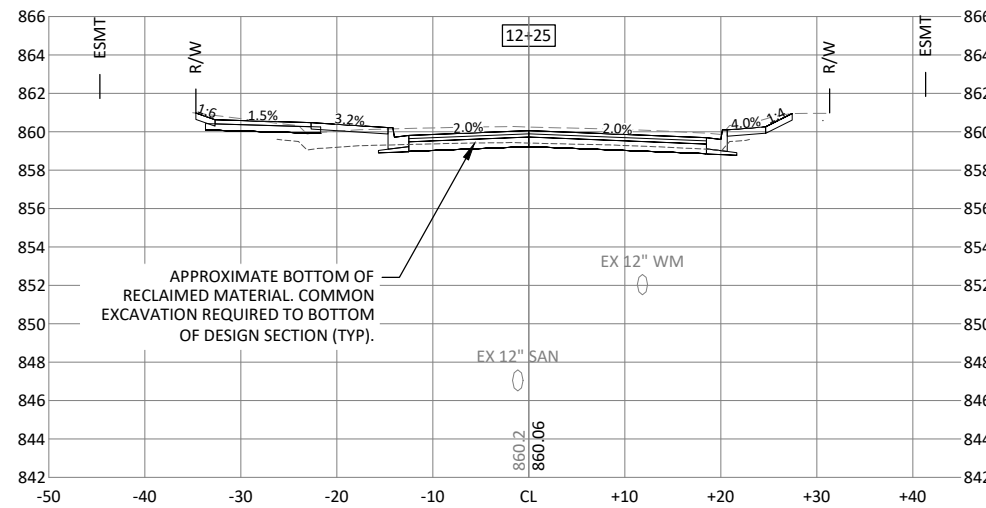
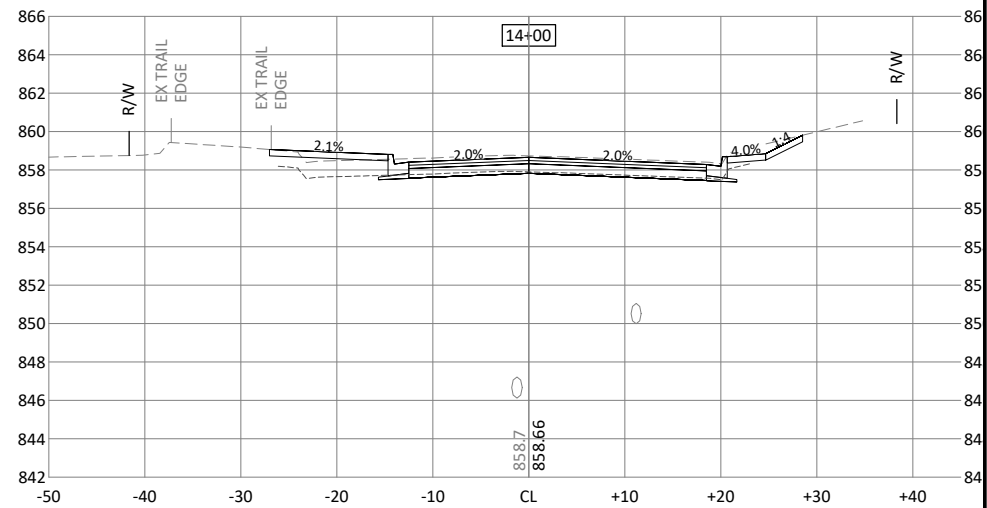
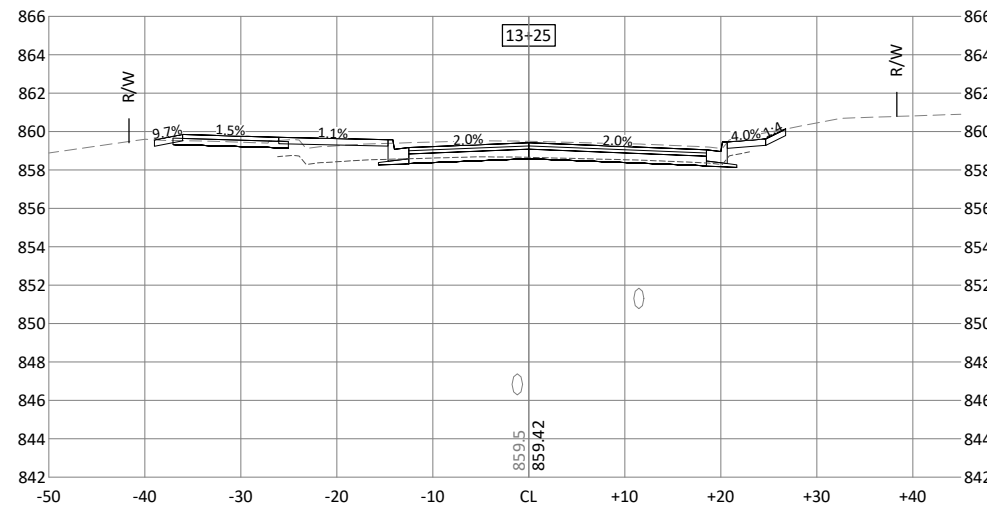
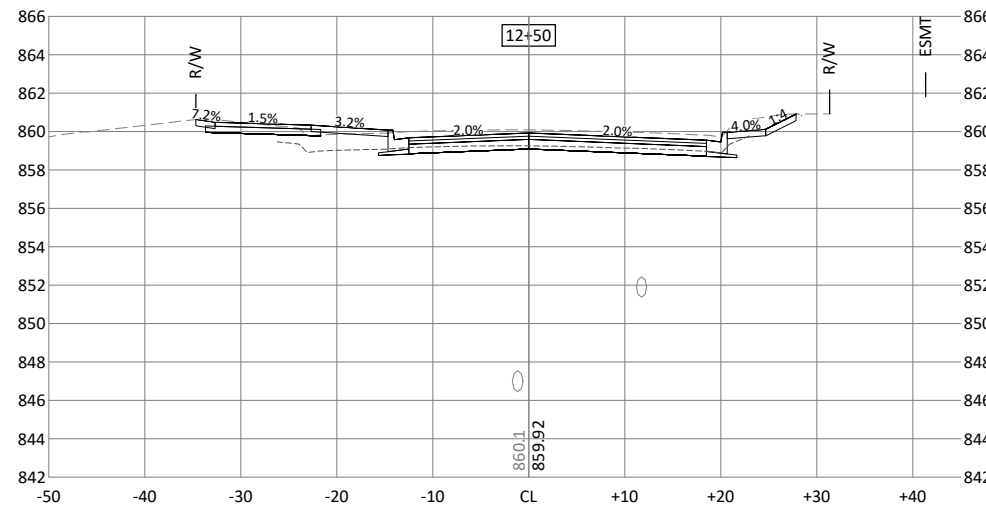
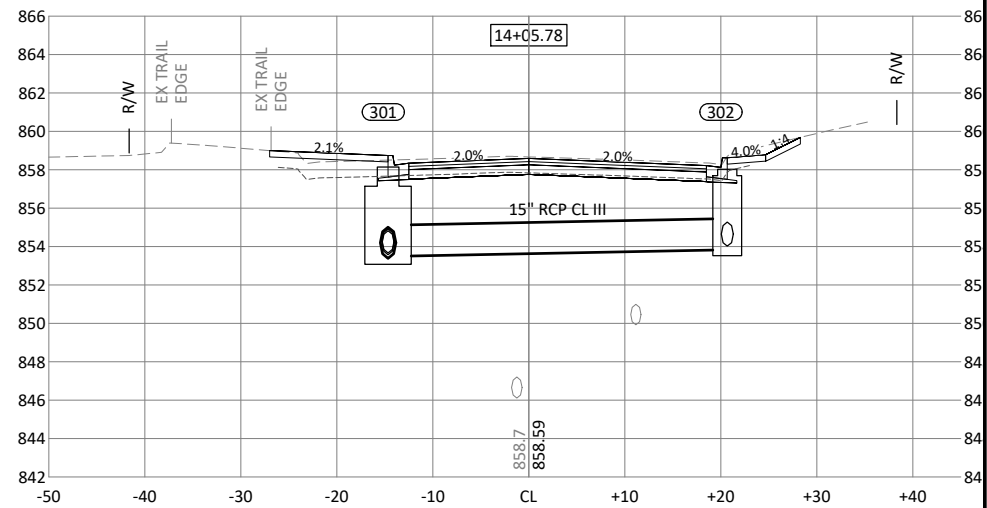
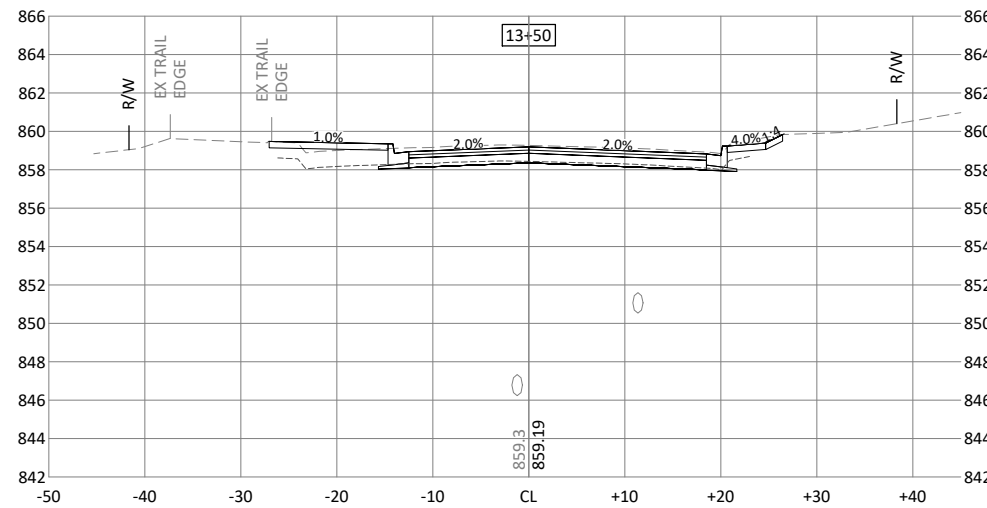
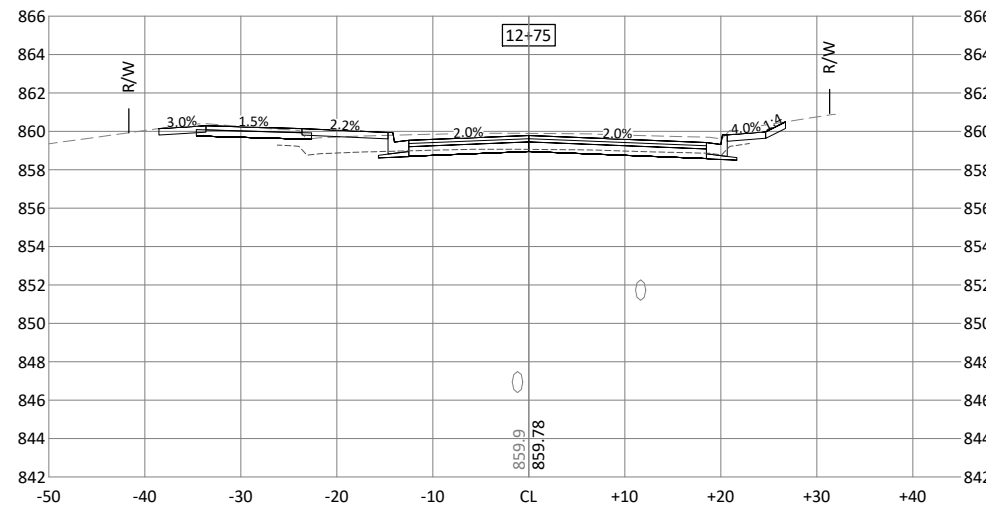
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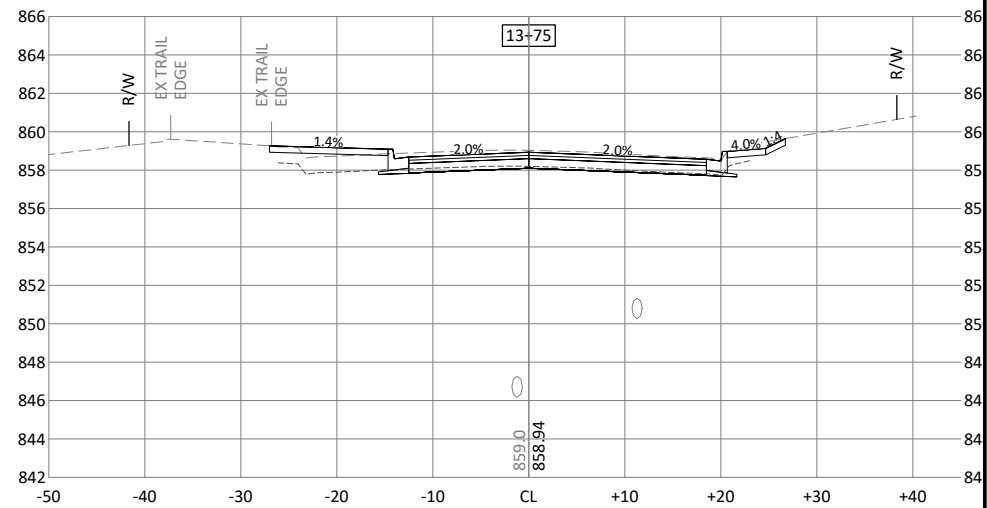
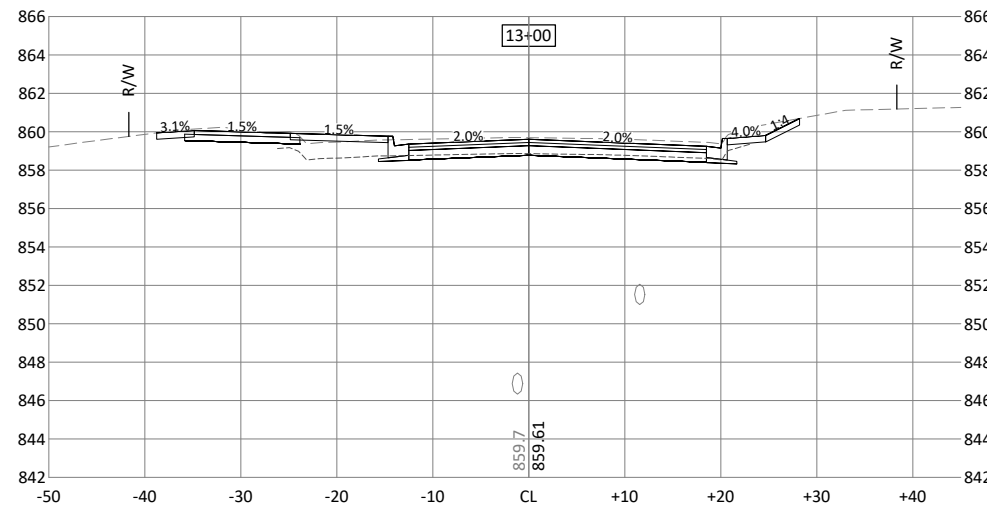
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 RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004  
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APPROXIMATE BOTTOM OF RECLAIMED MATERIAL. COMMON EXCAVATION REQUIRED TO BOTTOM OF DESIGN SECTION (TYP).



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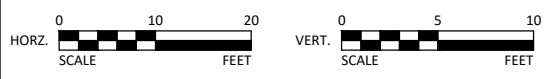
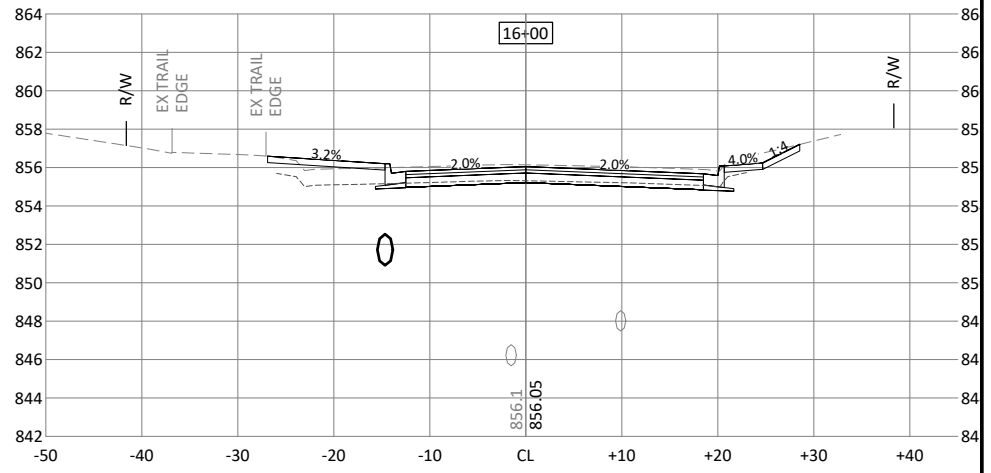
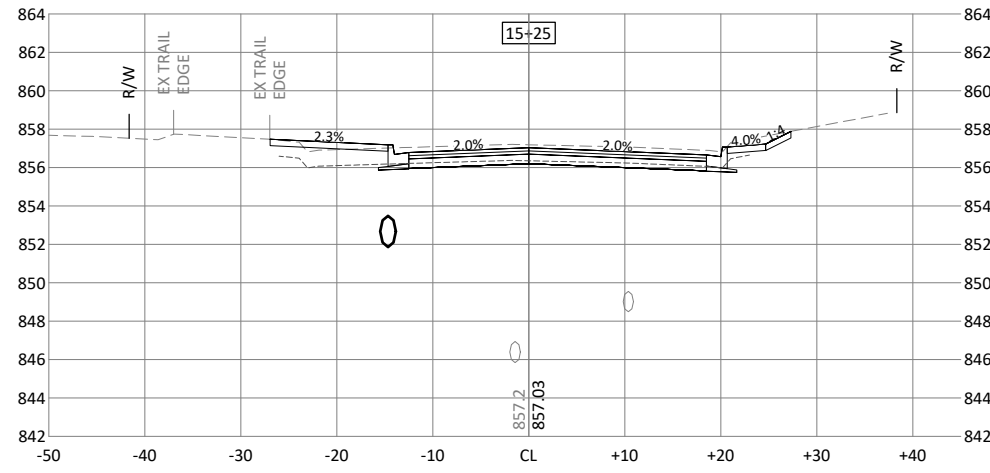
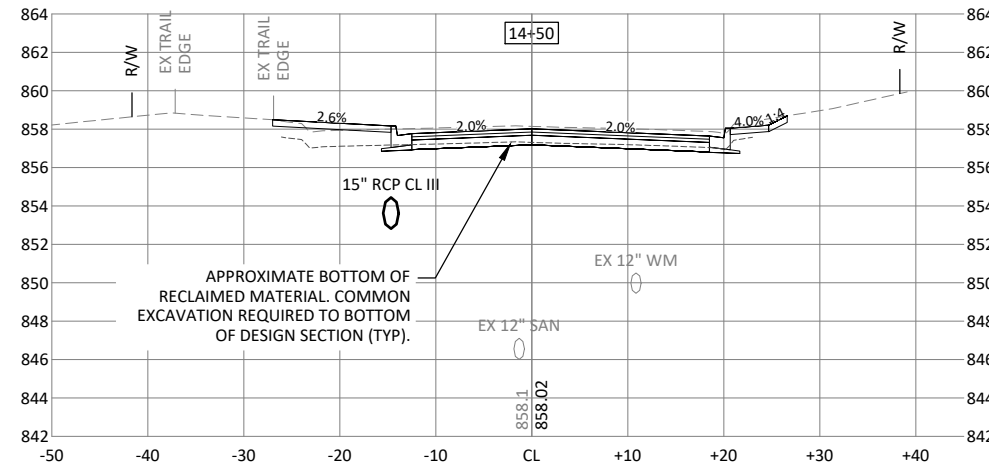
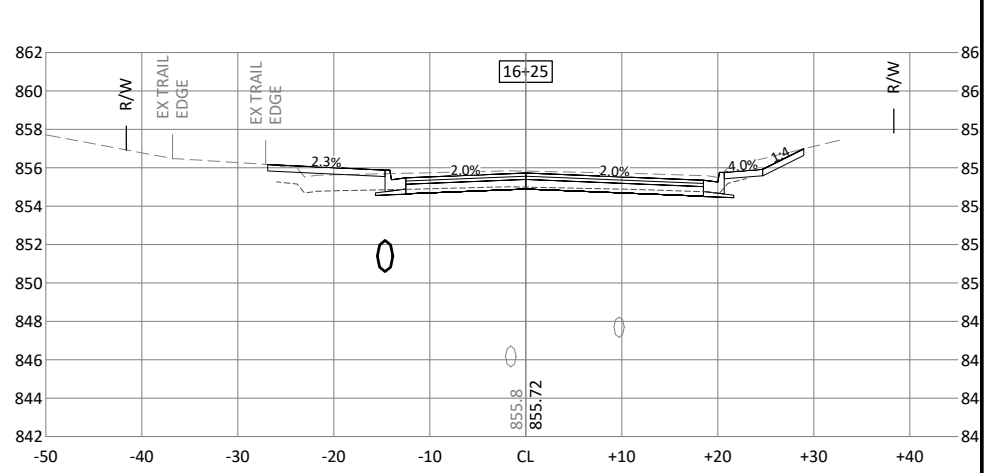
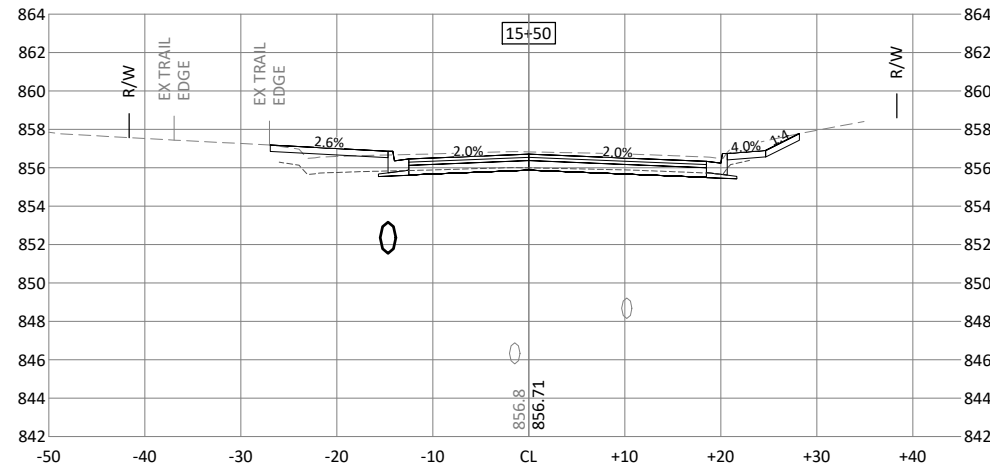
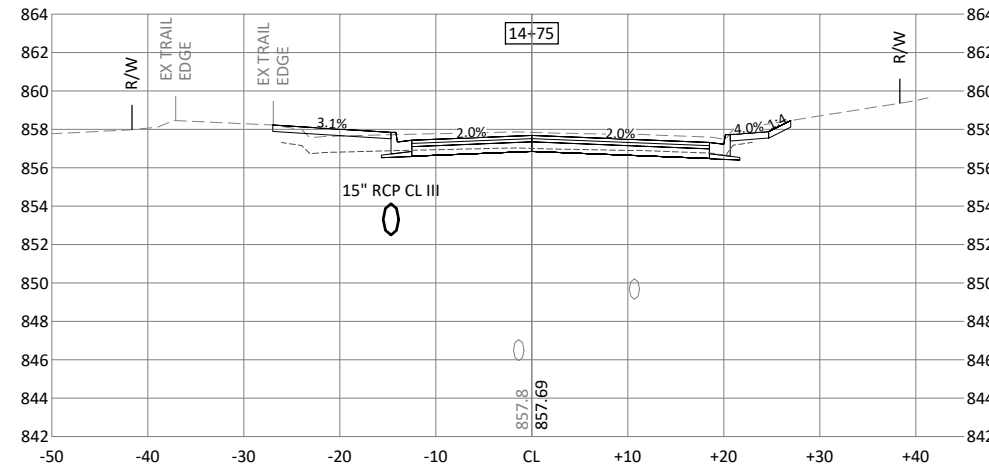
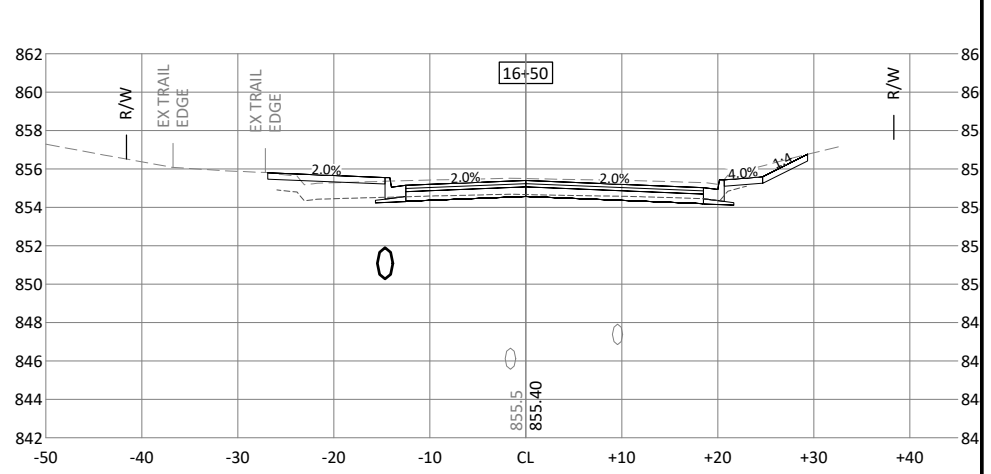
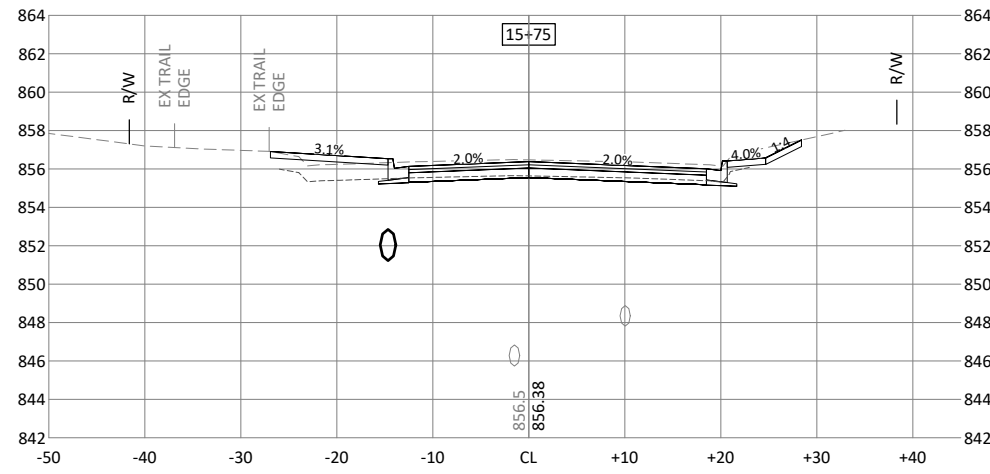
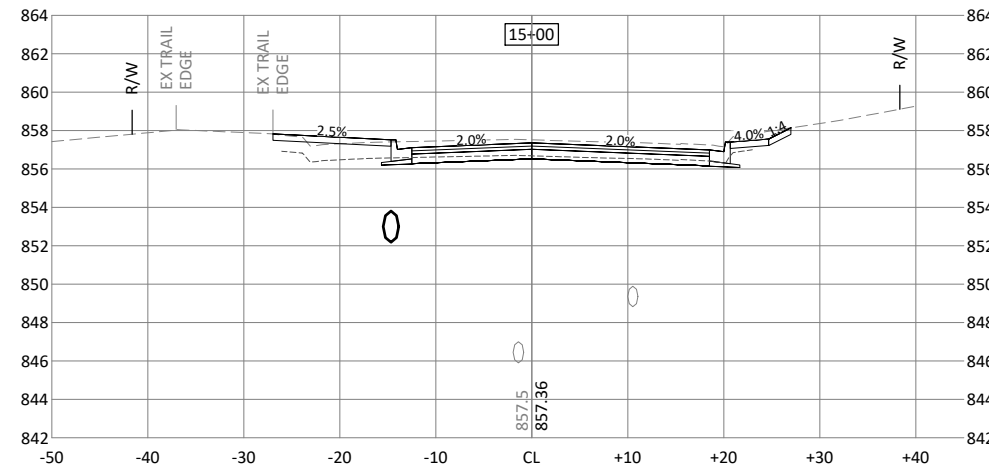


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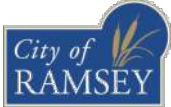


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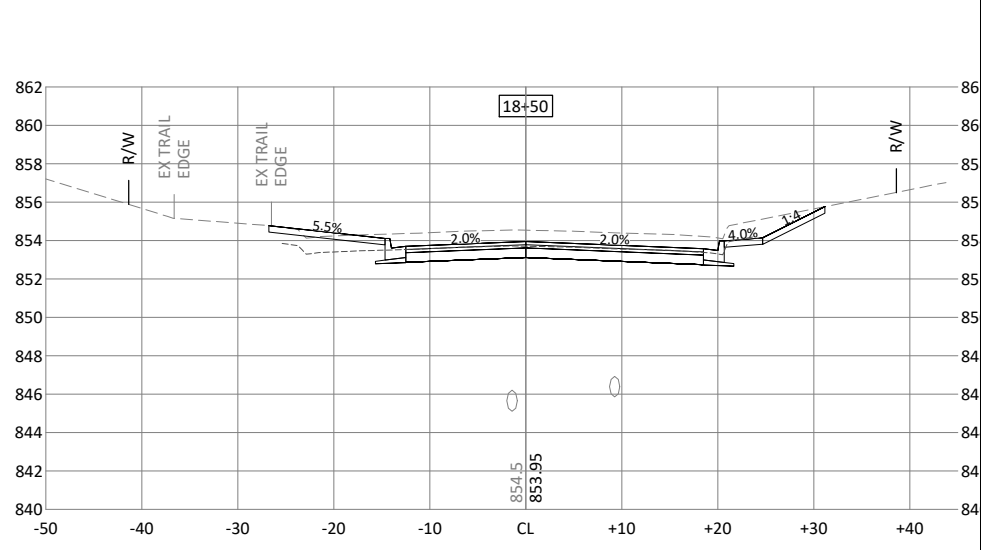
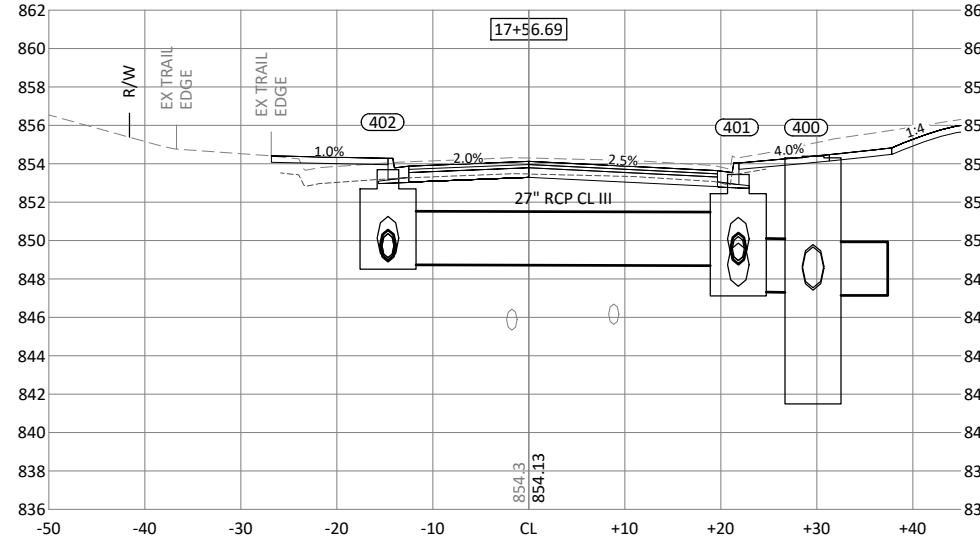
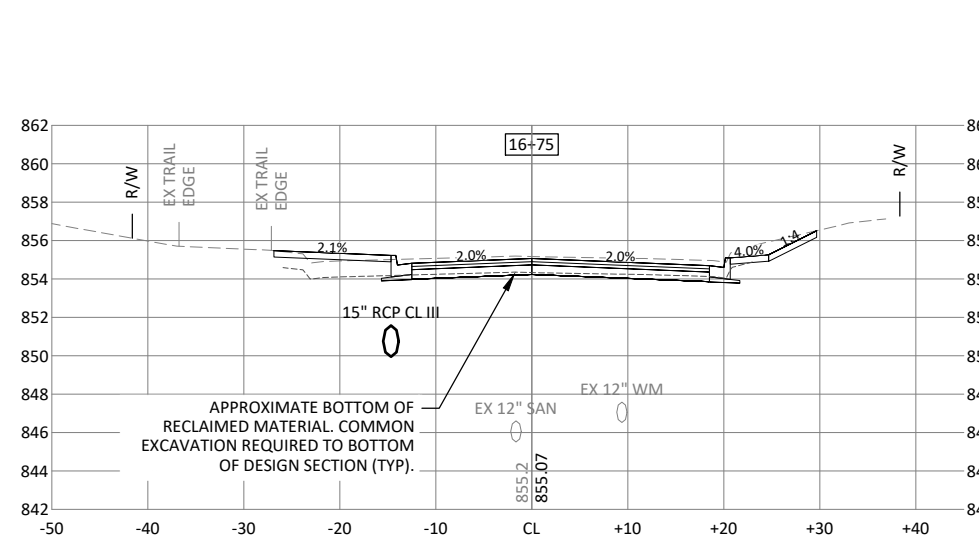
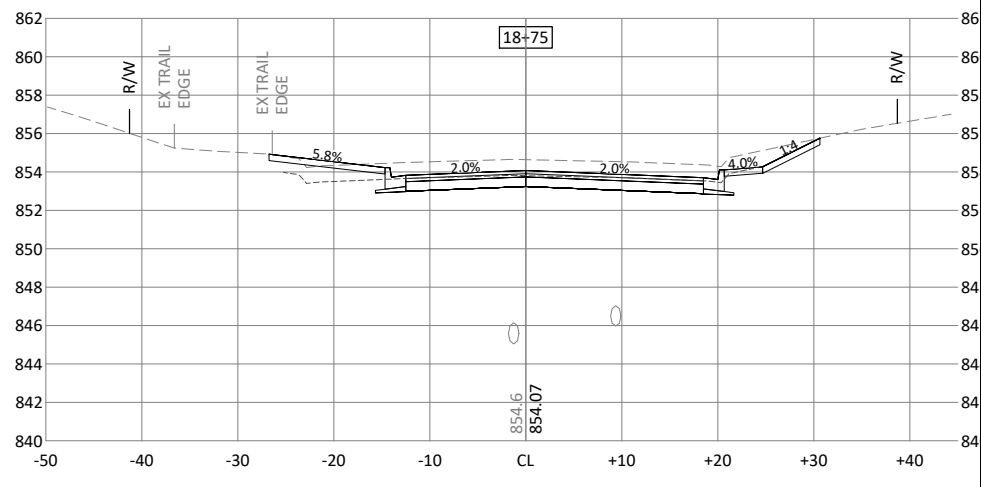
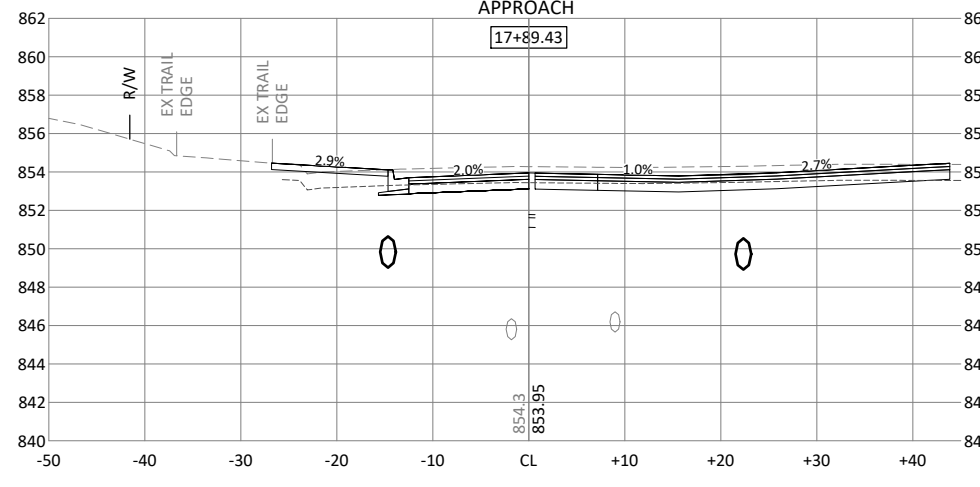
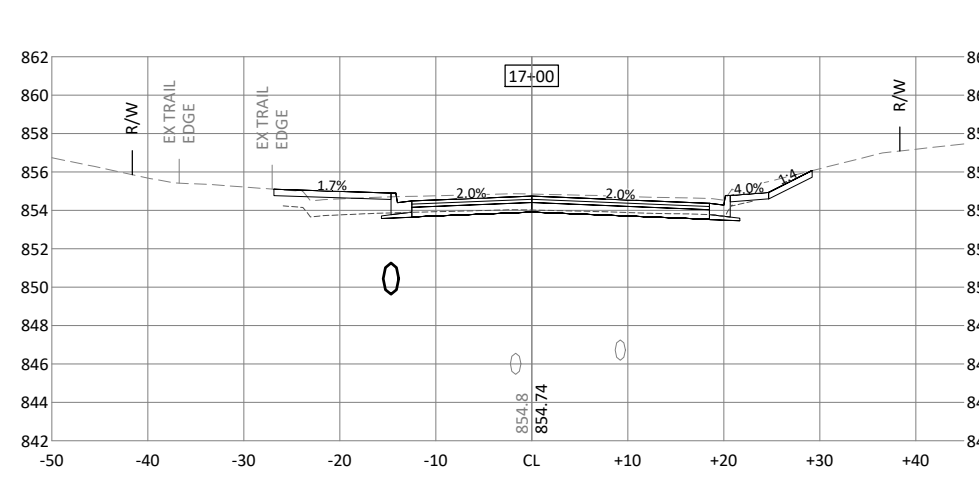
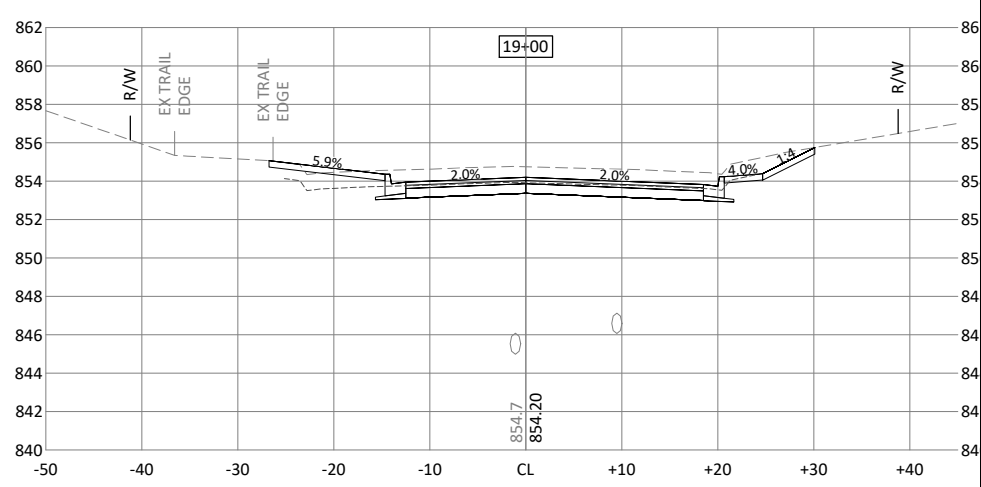
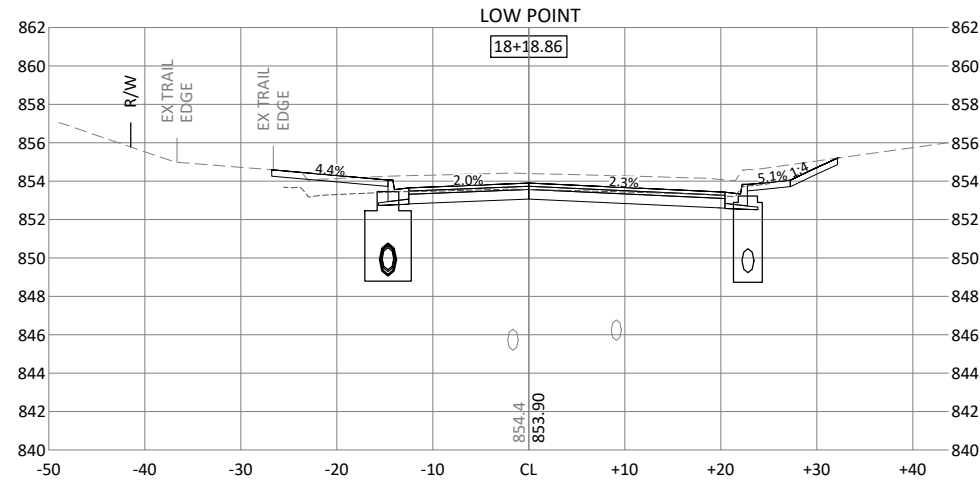
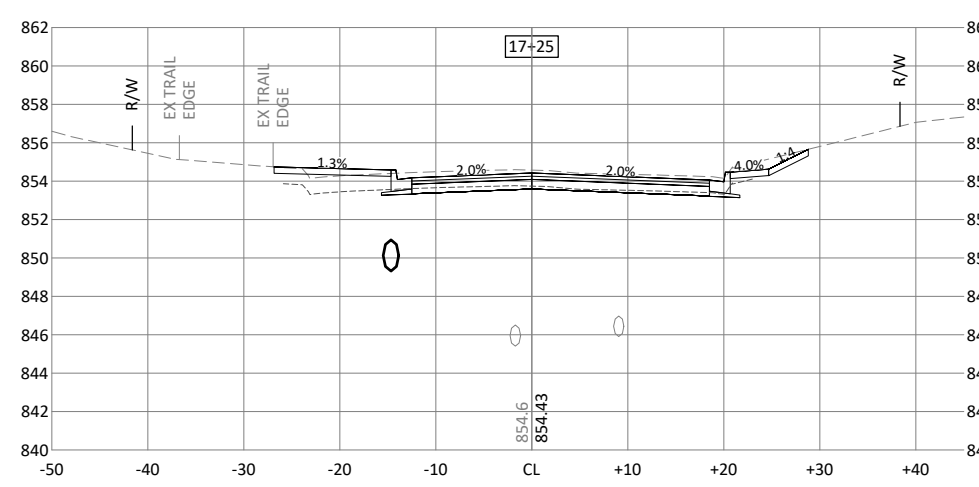
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*Kevin P. Kiehl*  
 KEVIN P. KIELB  
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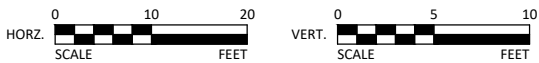
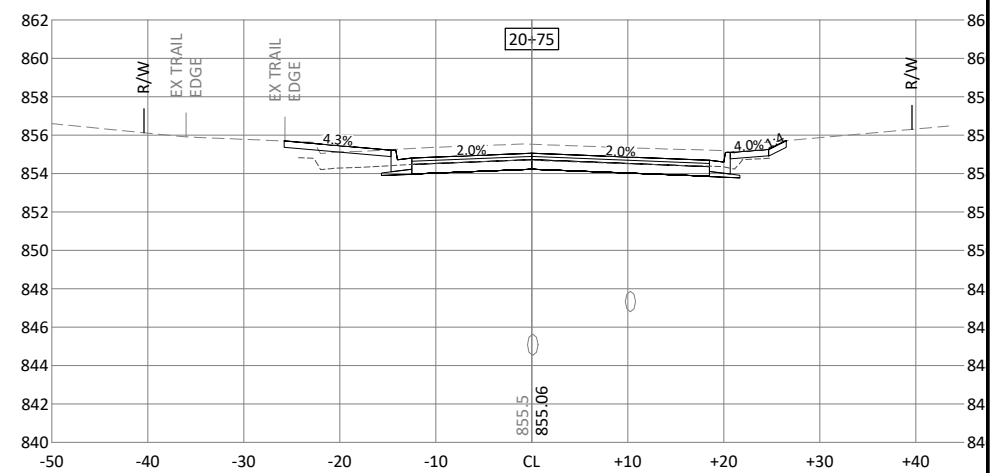
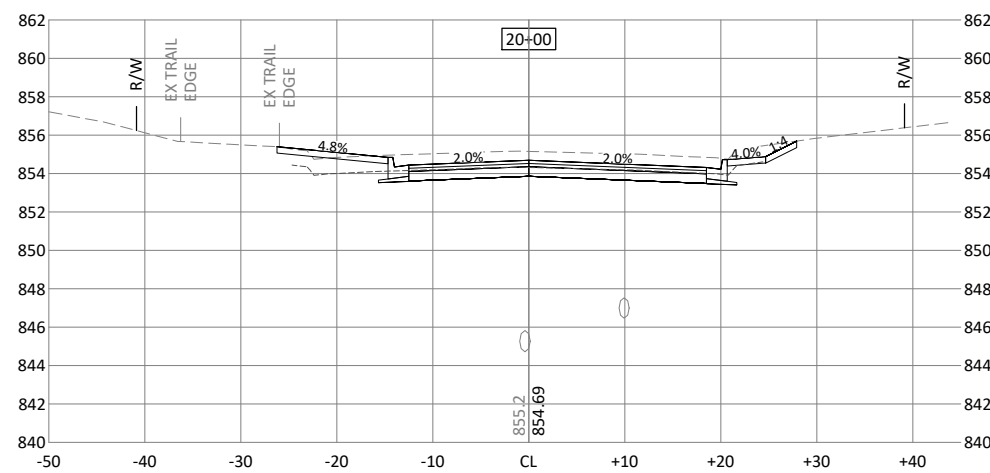
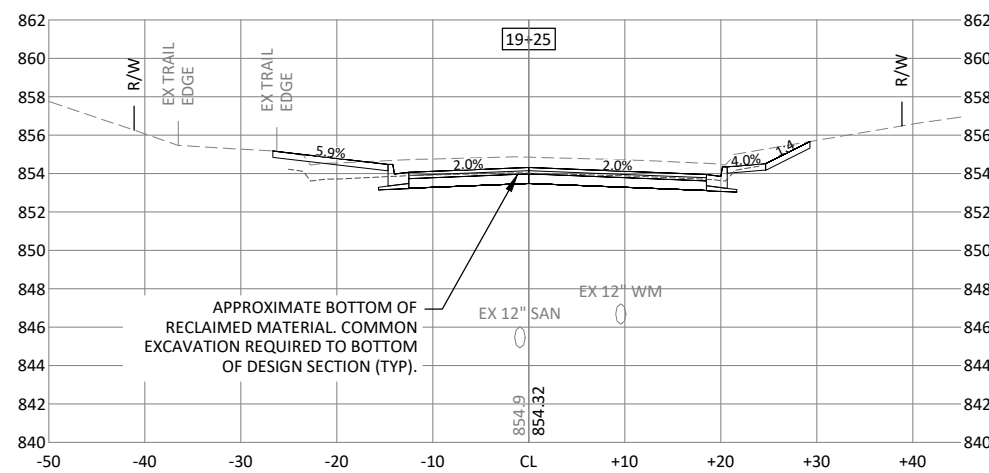
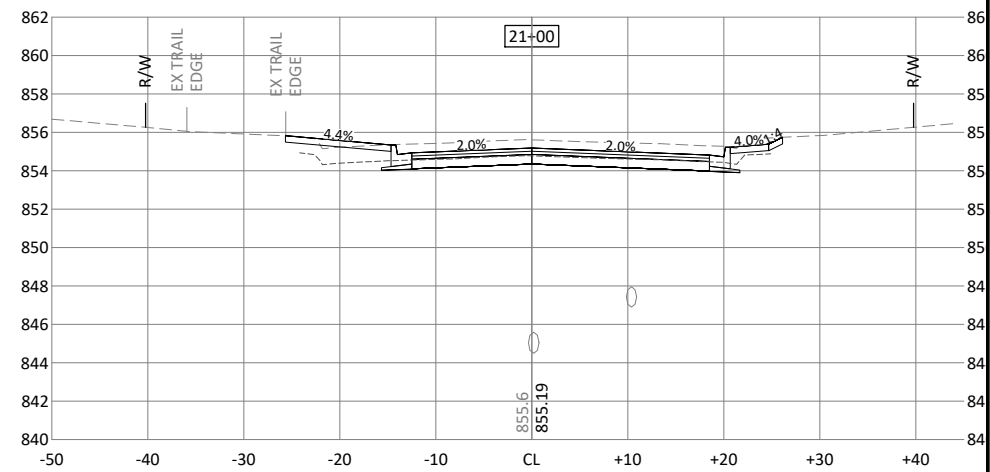
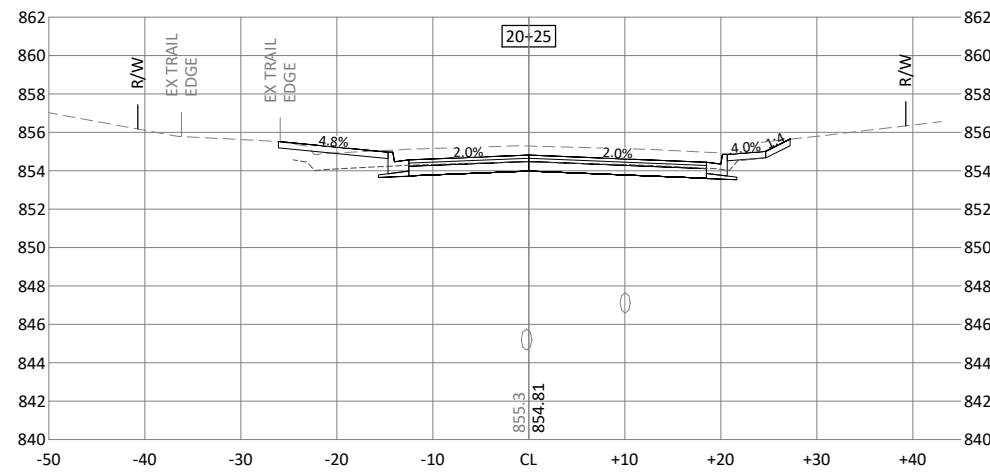
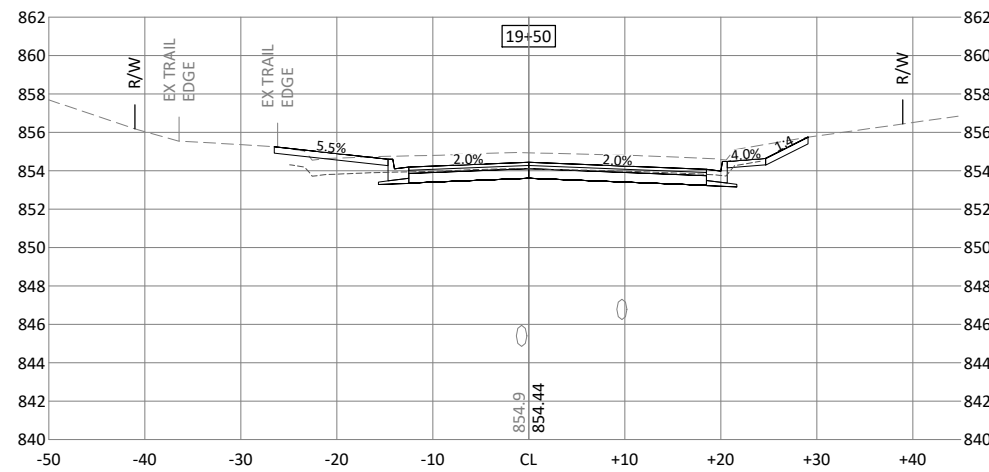
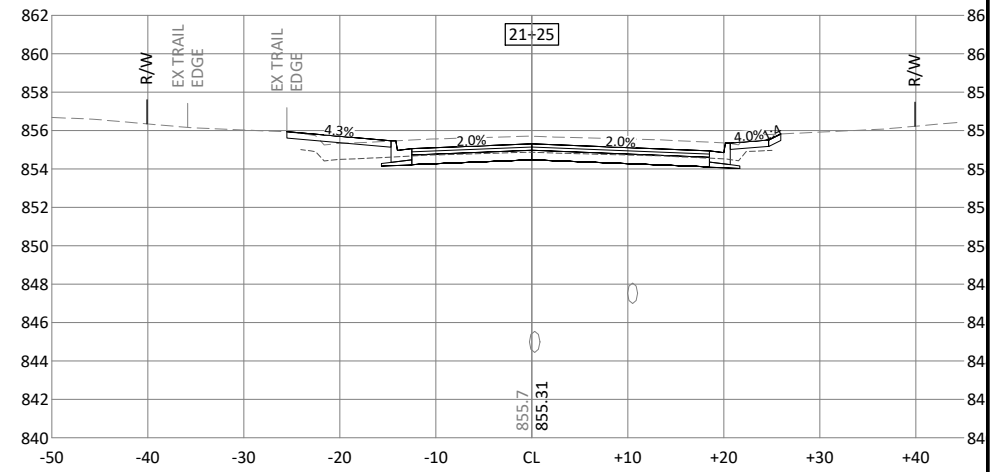
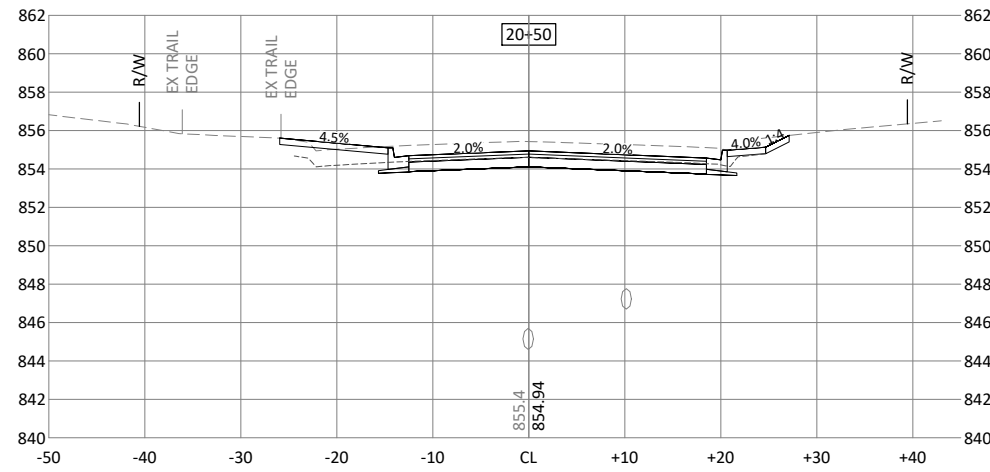
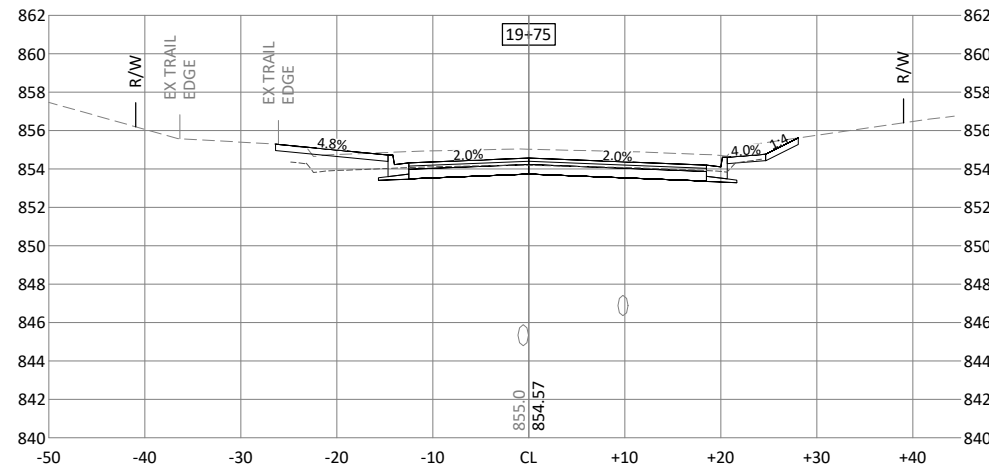


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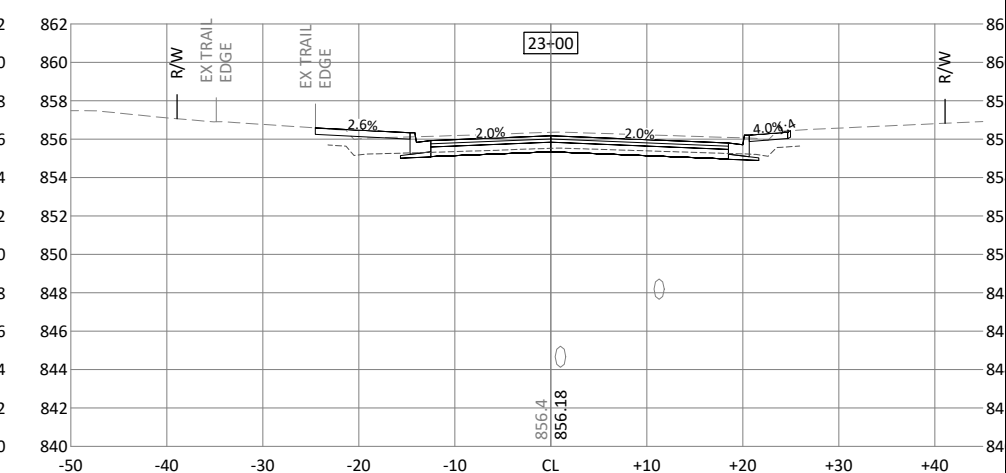
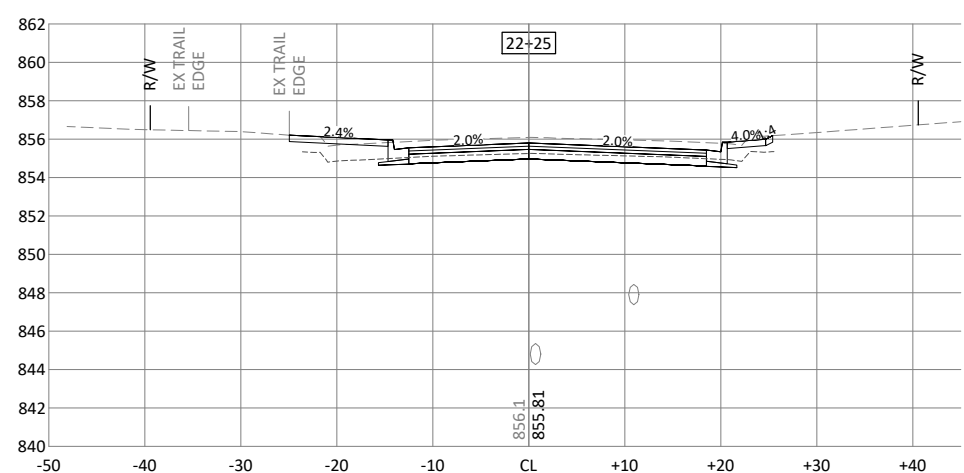
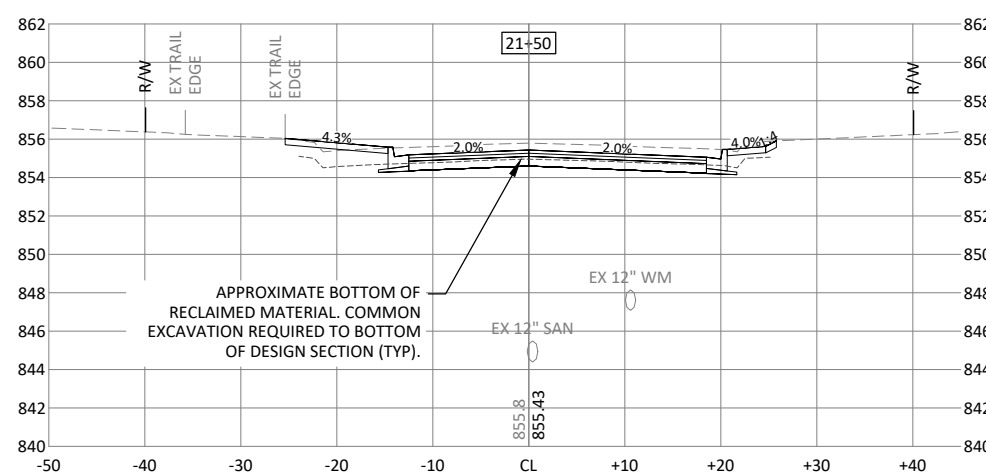
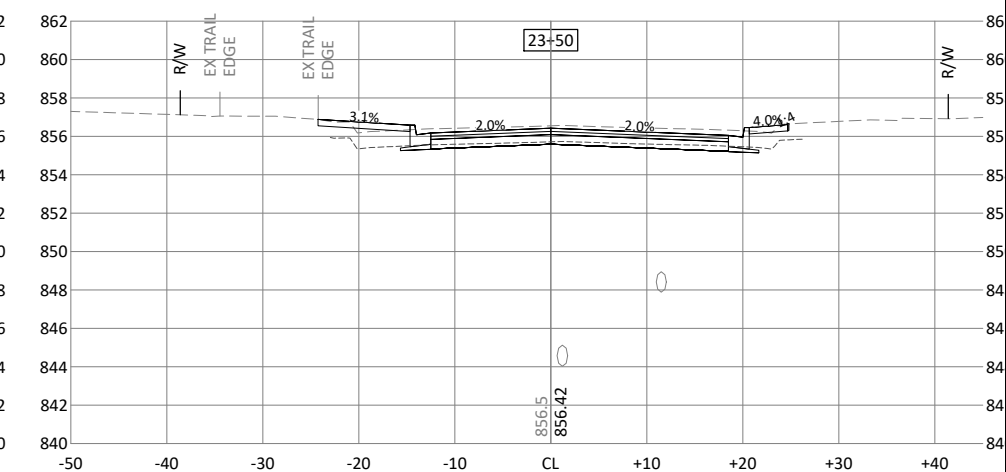
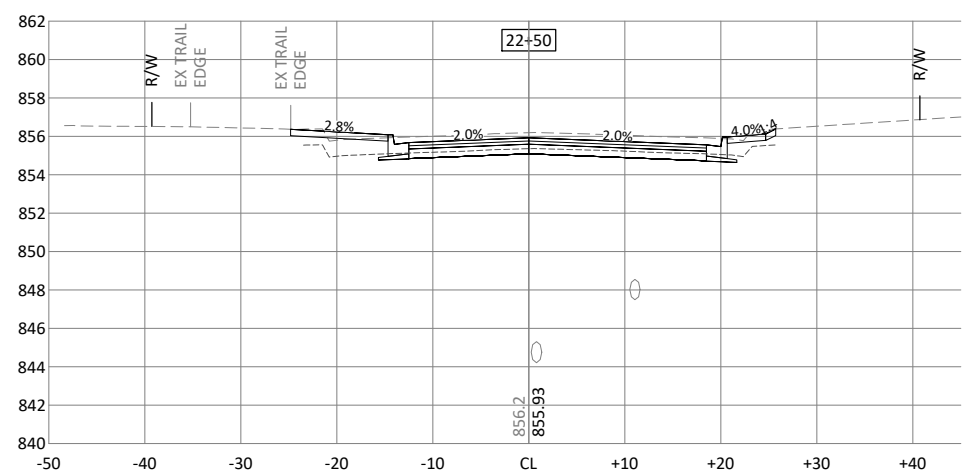
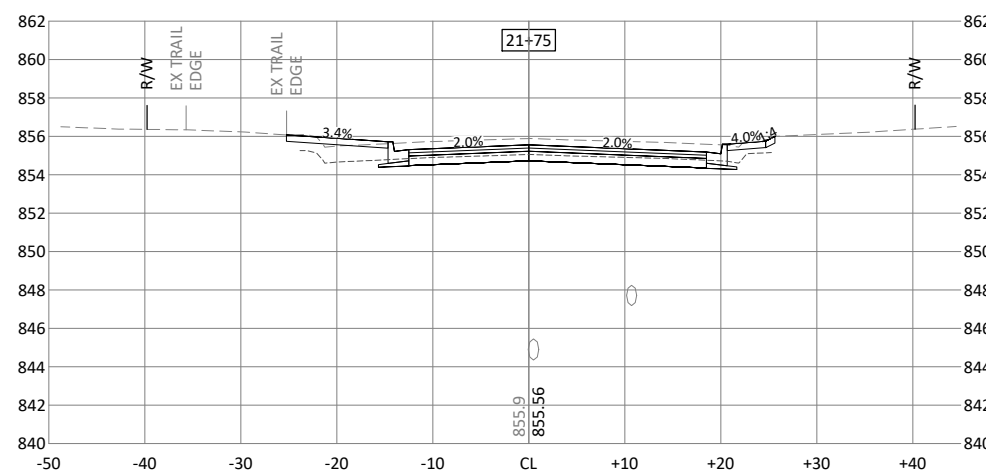
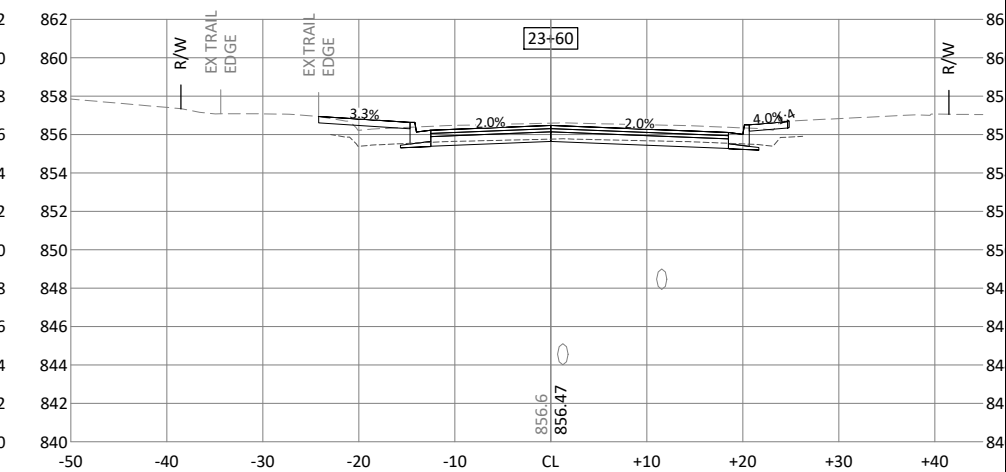
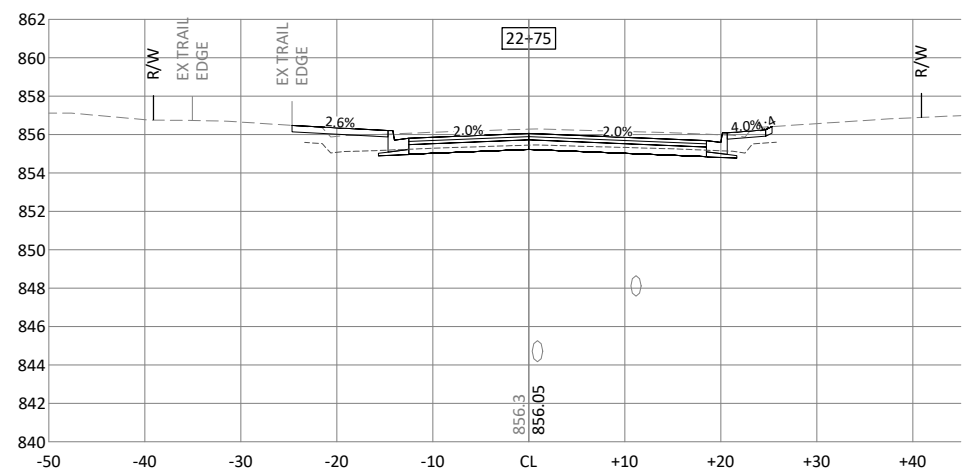
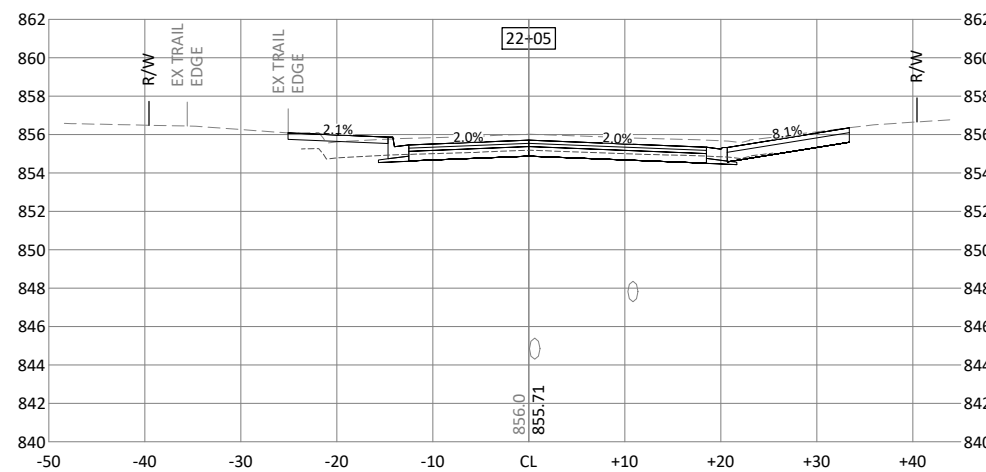


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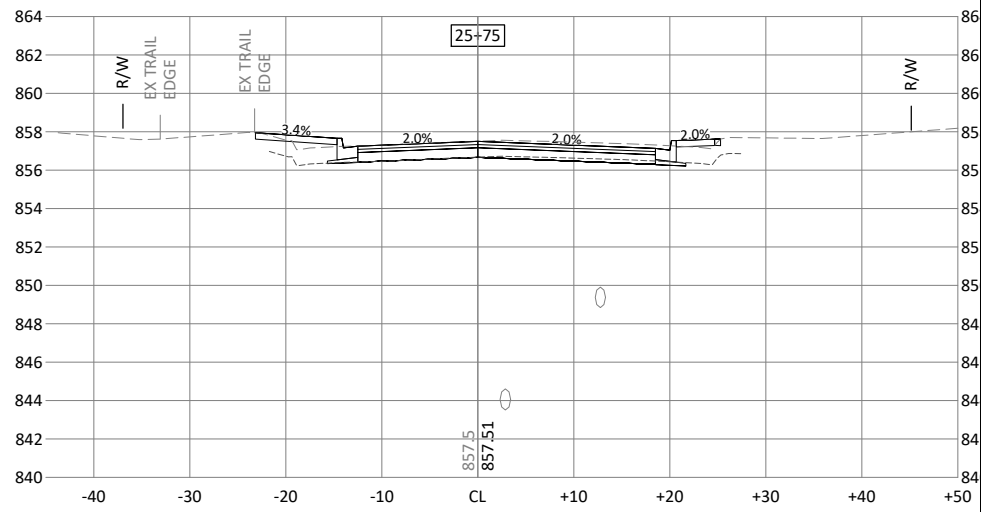
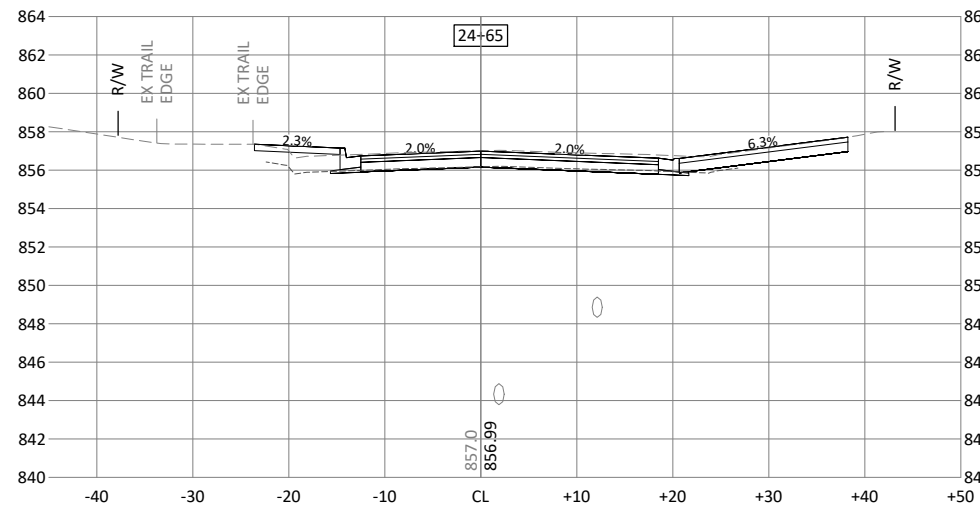
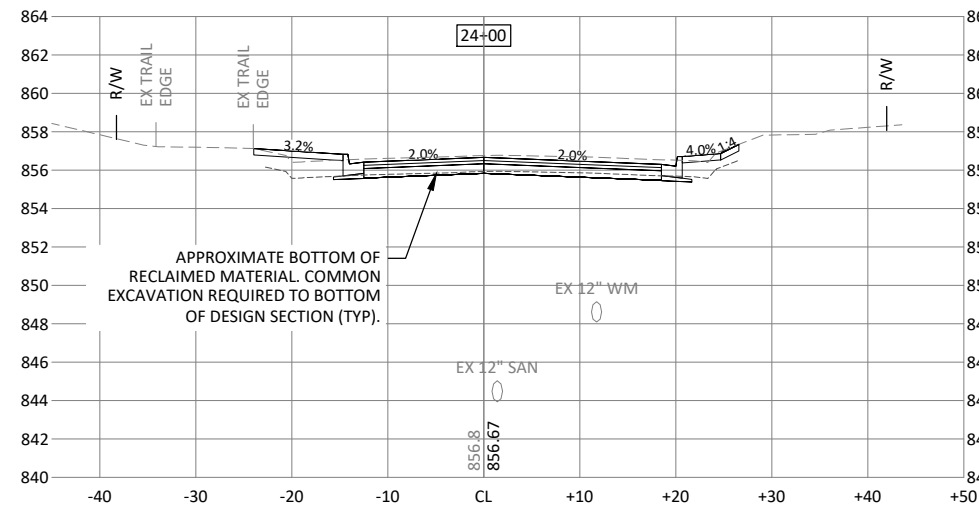
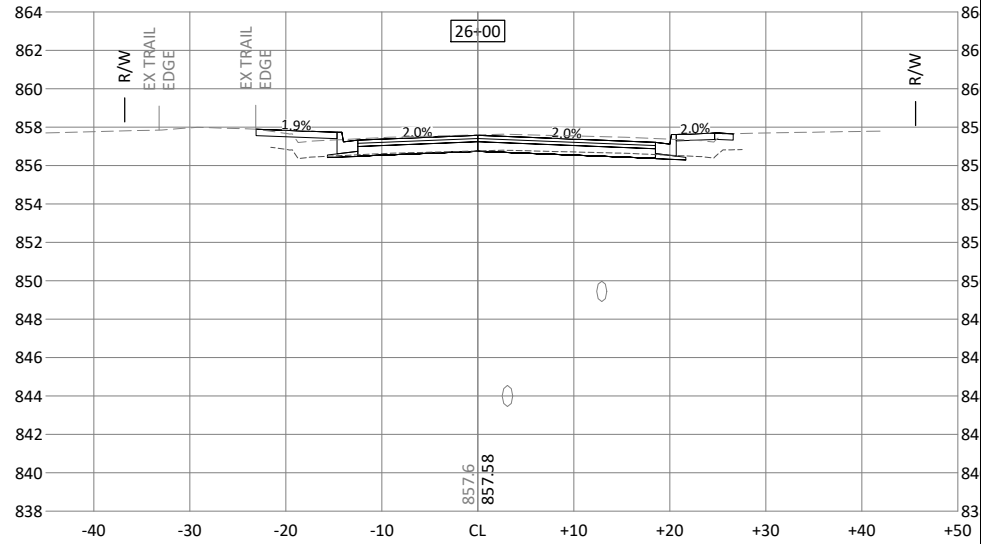
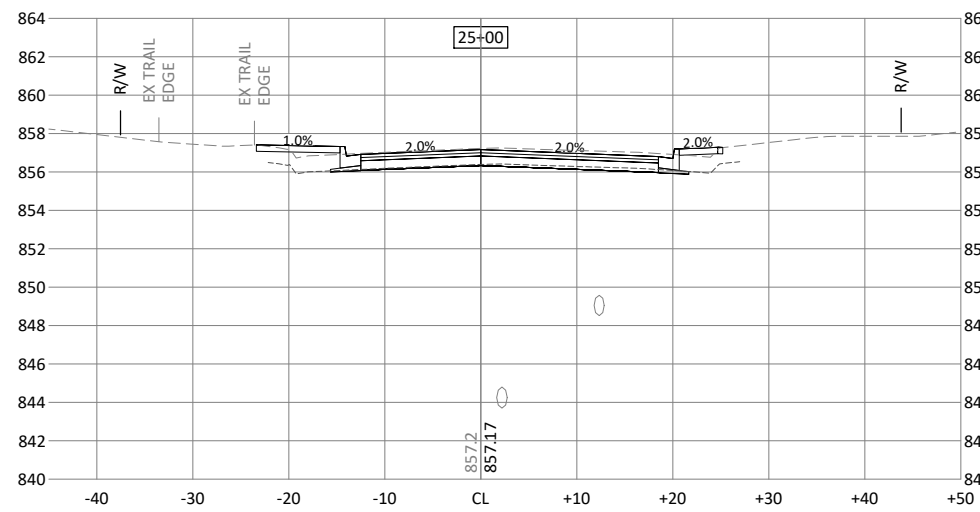
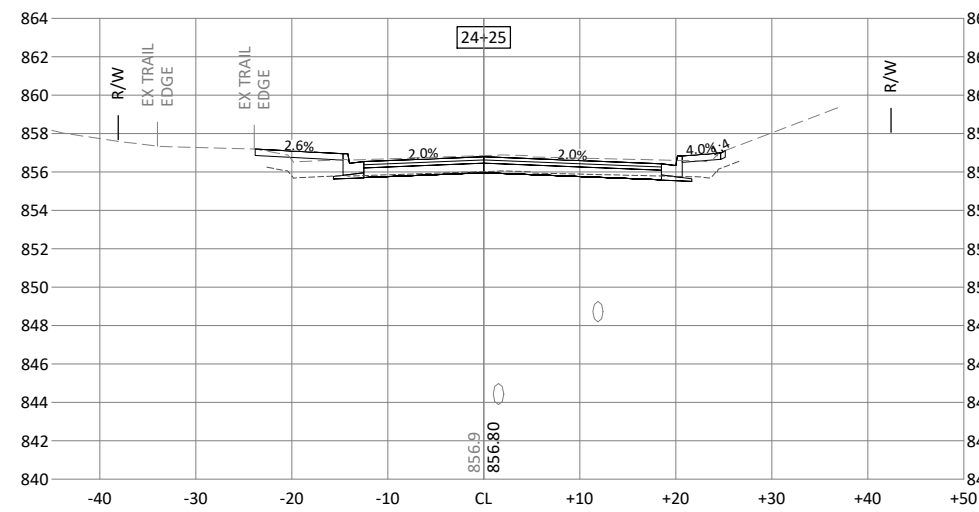
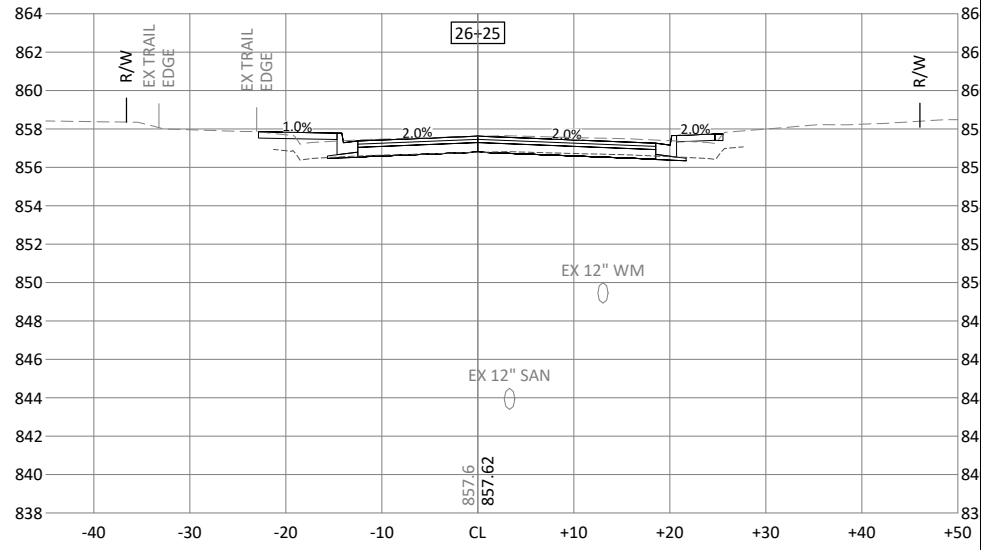
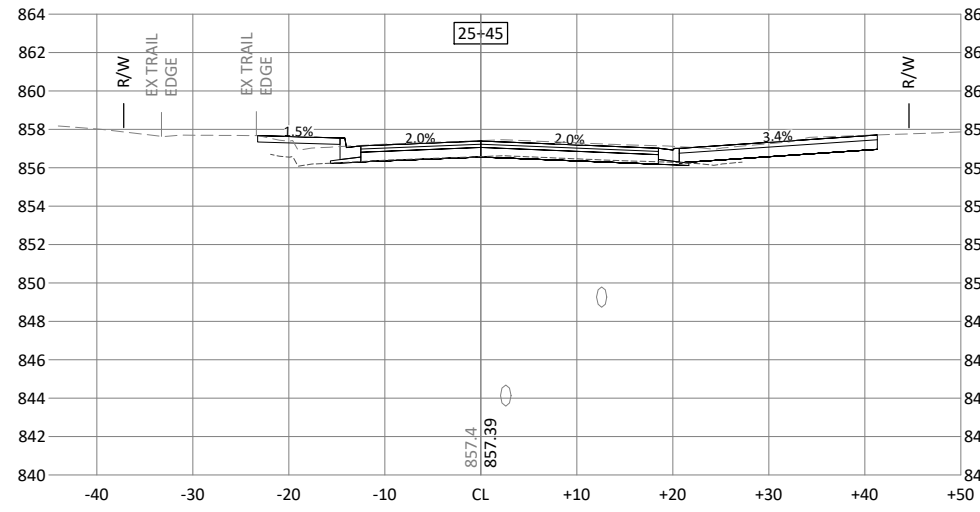
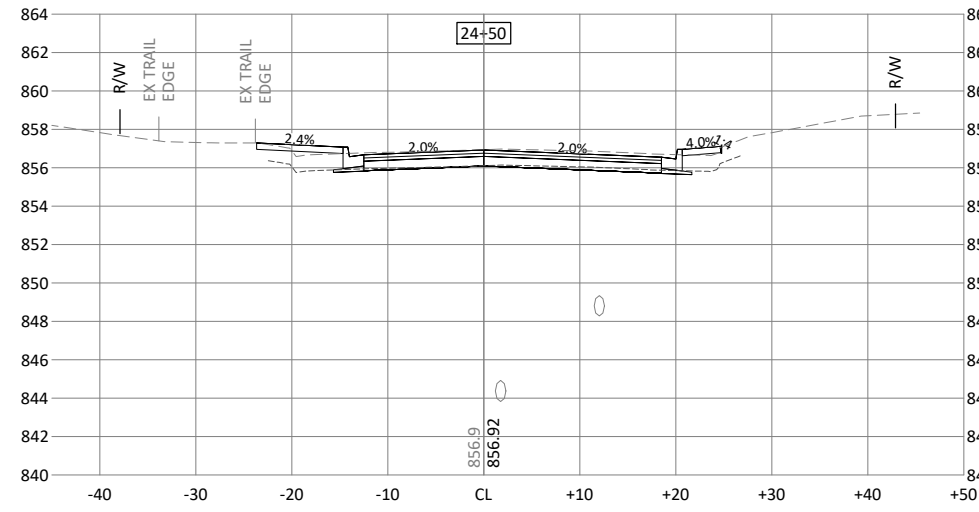
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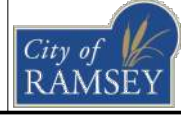


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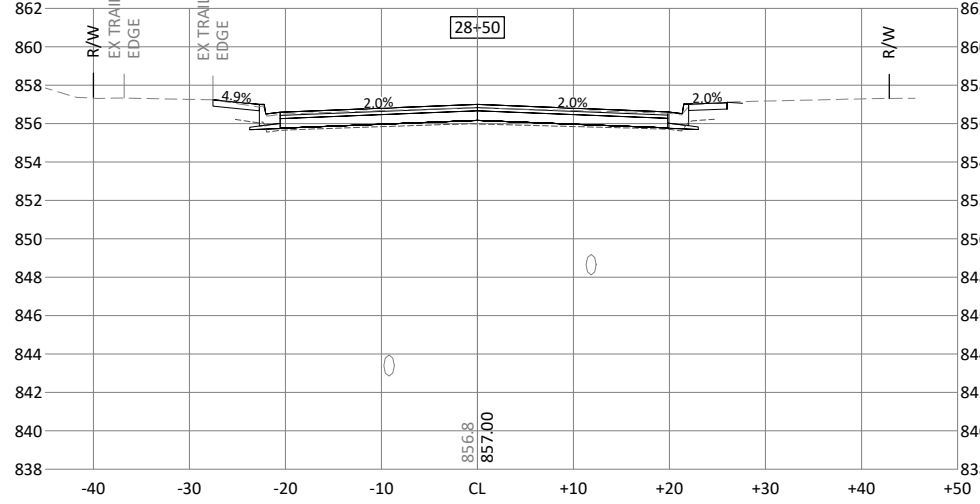
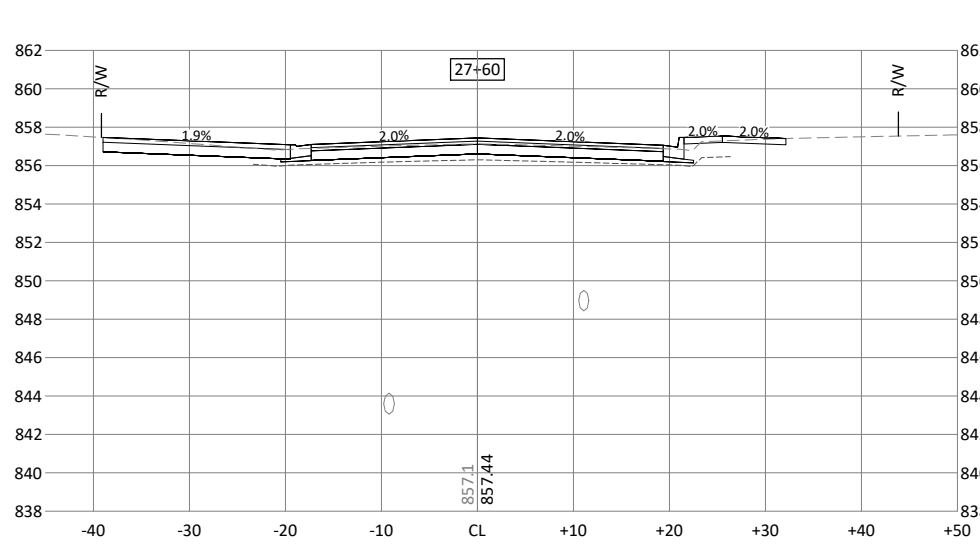
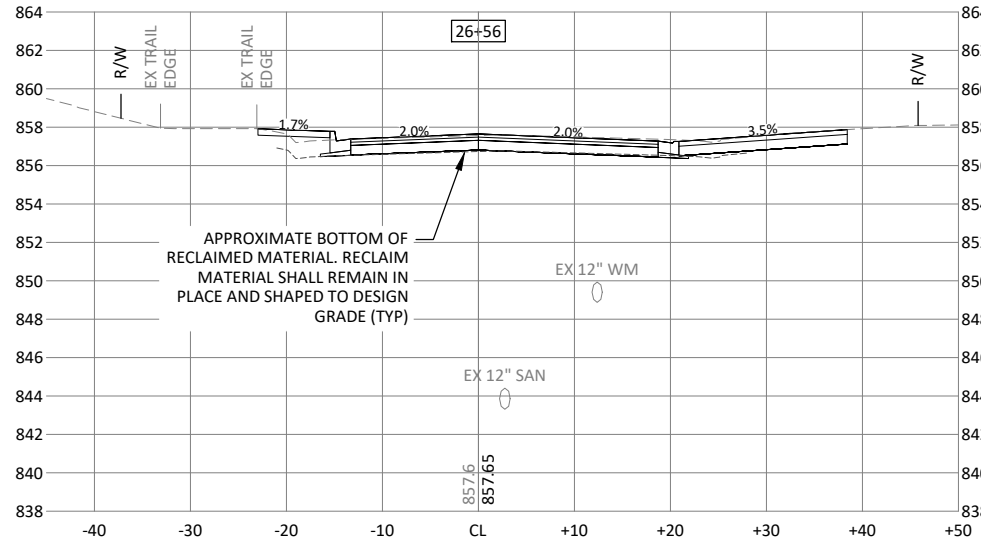
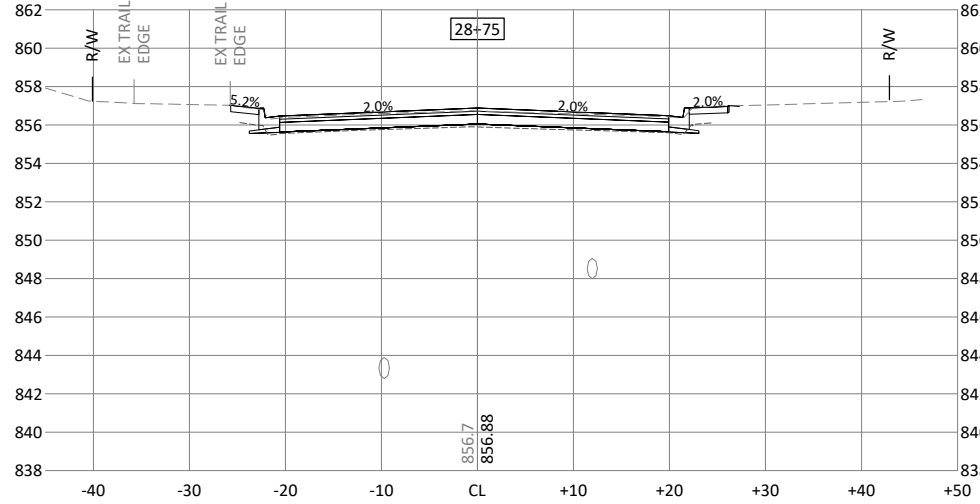
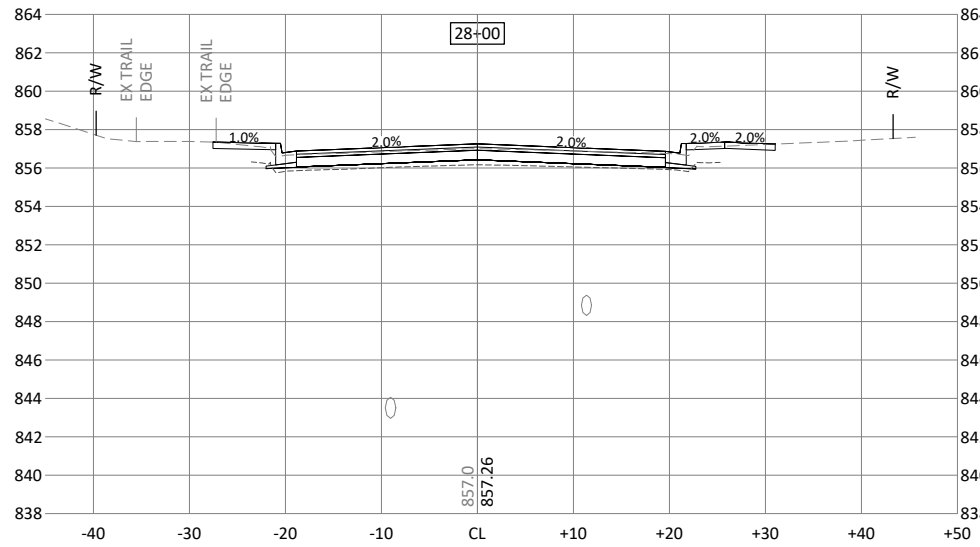
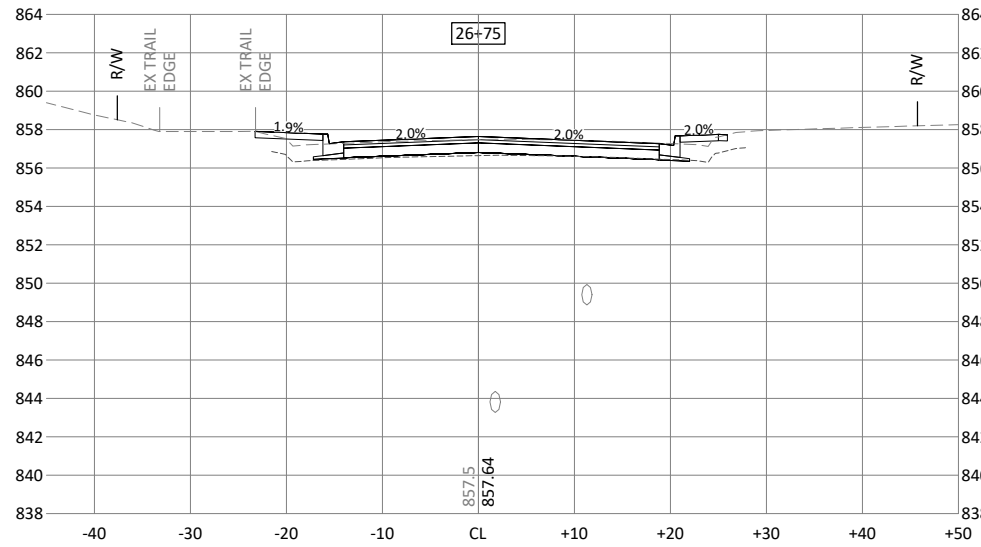
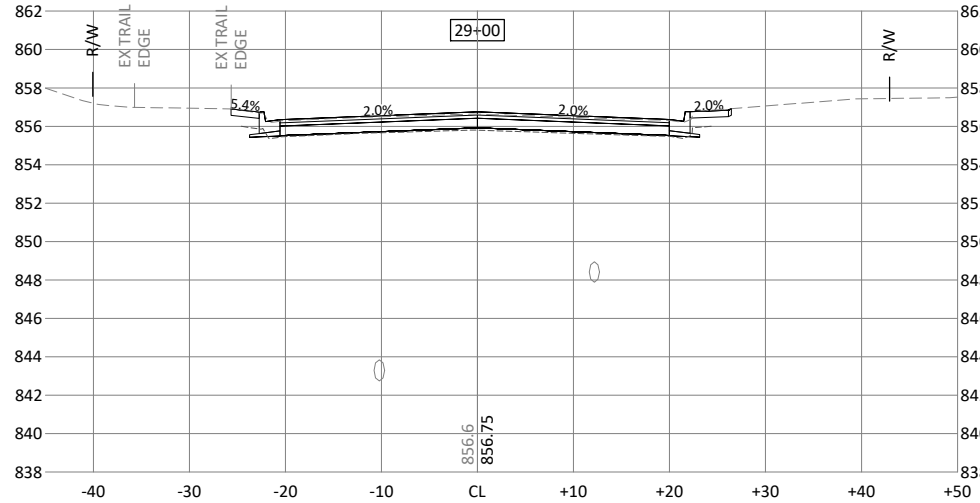
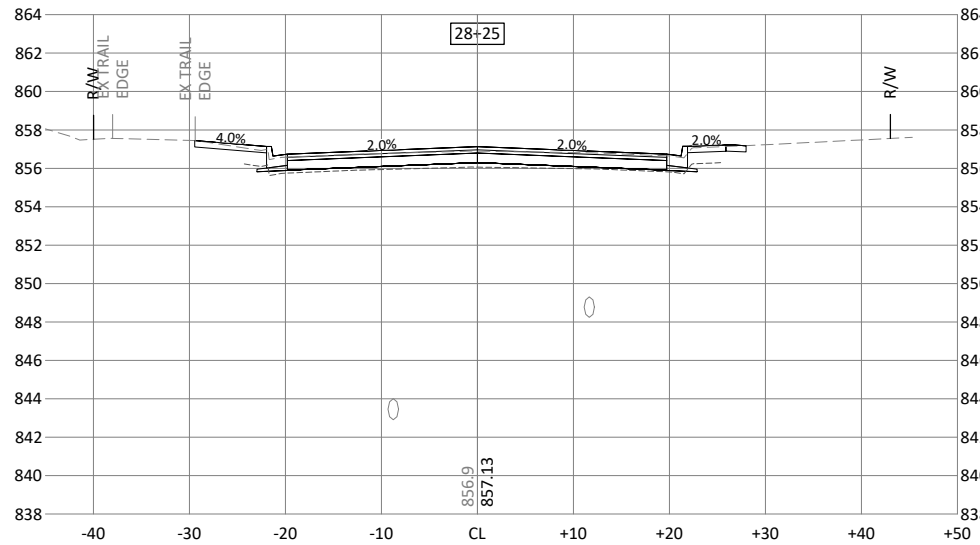
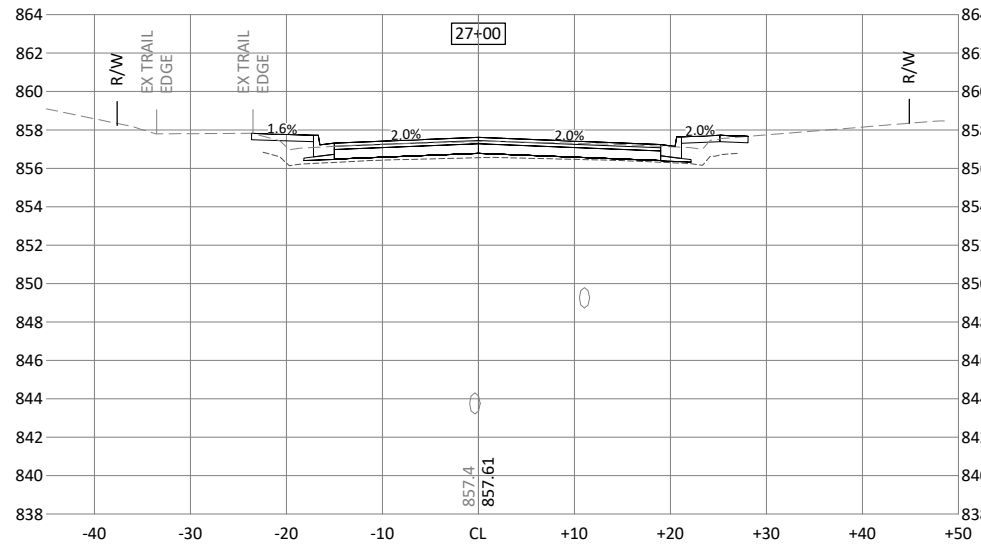


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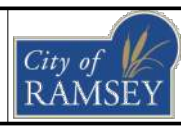


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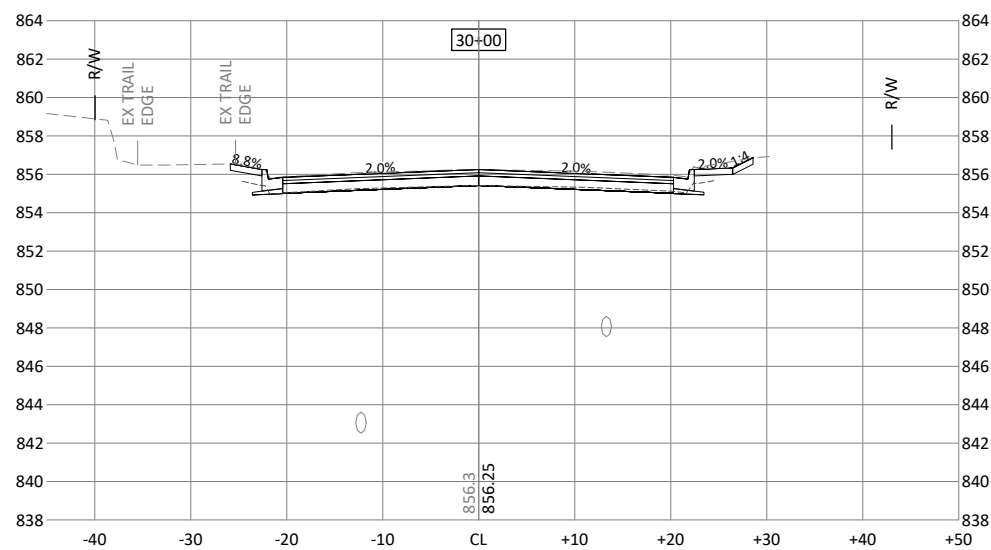
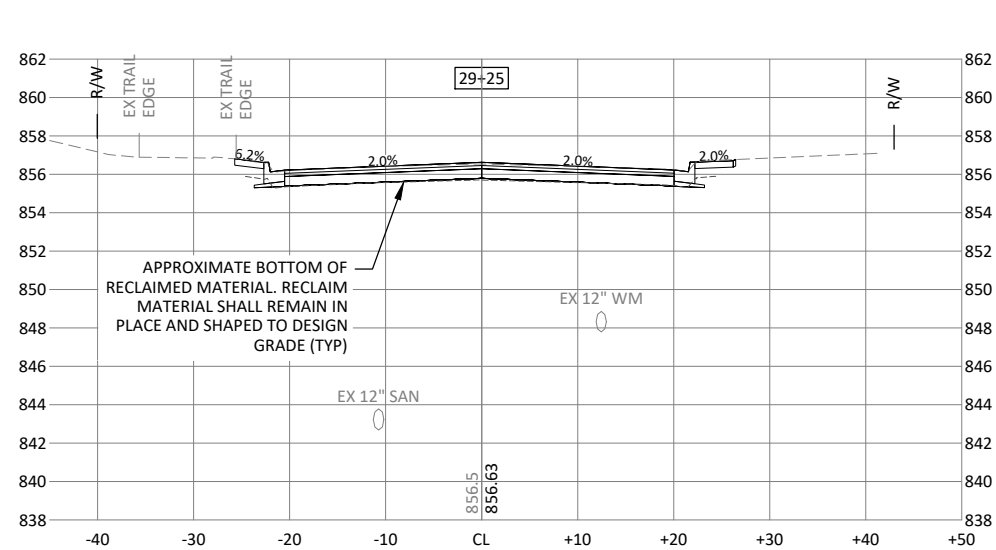
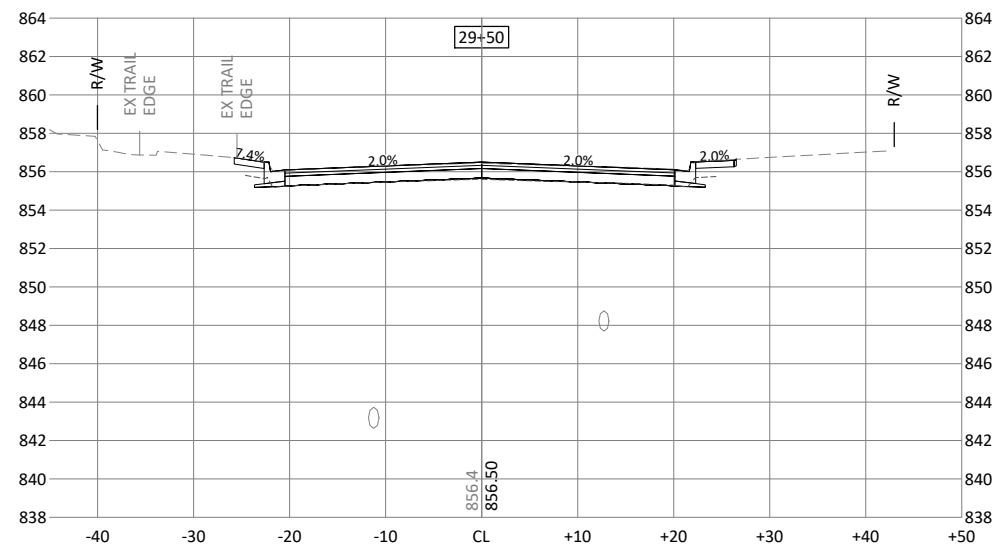
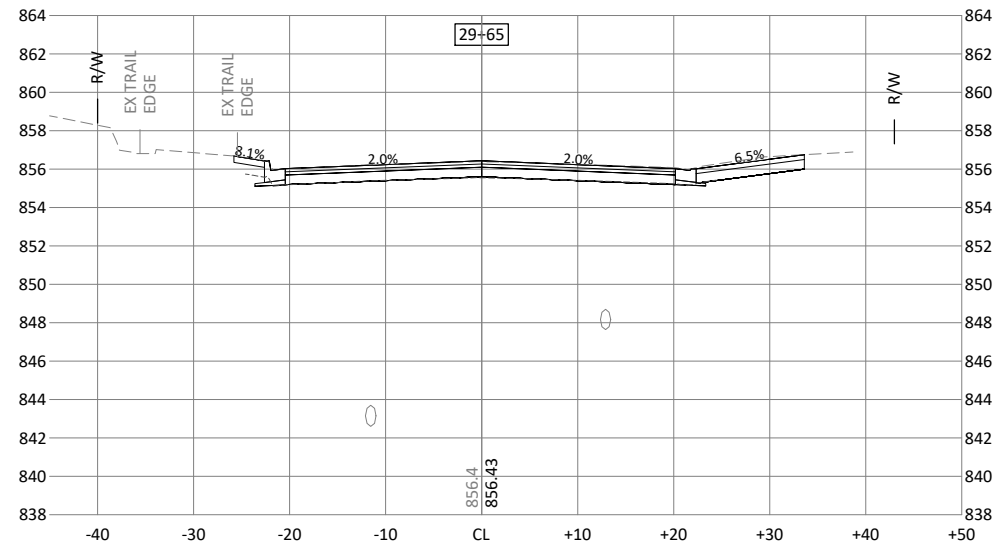


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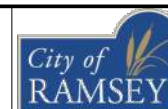


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