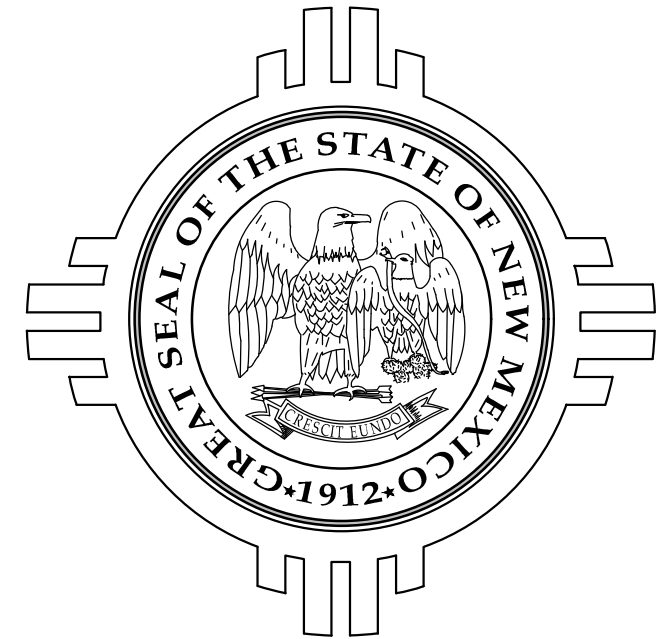
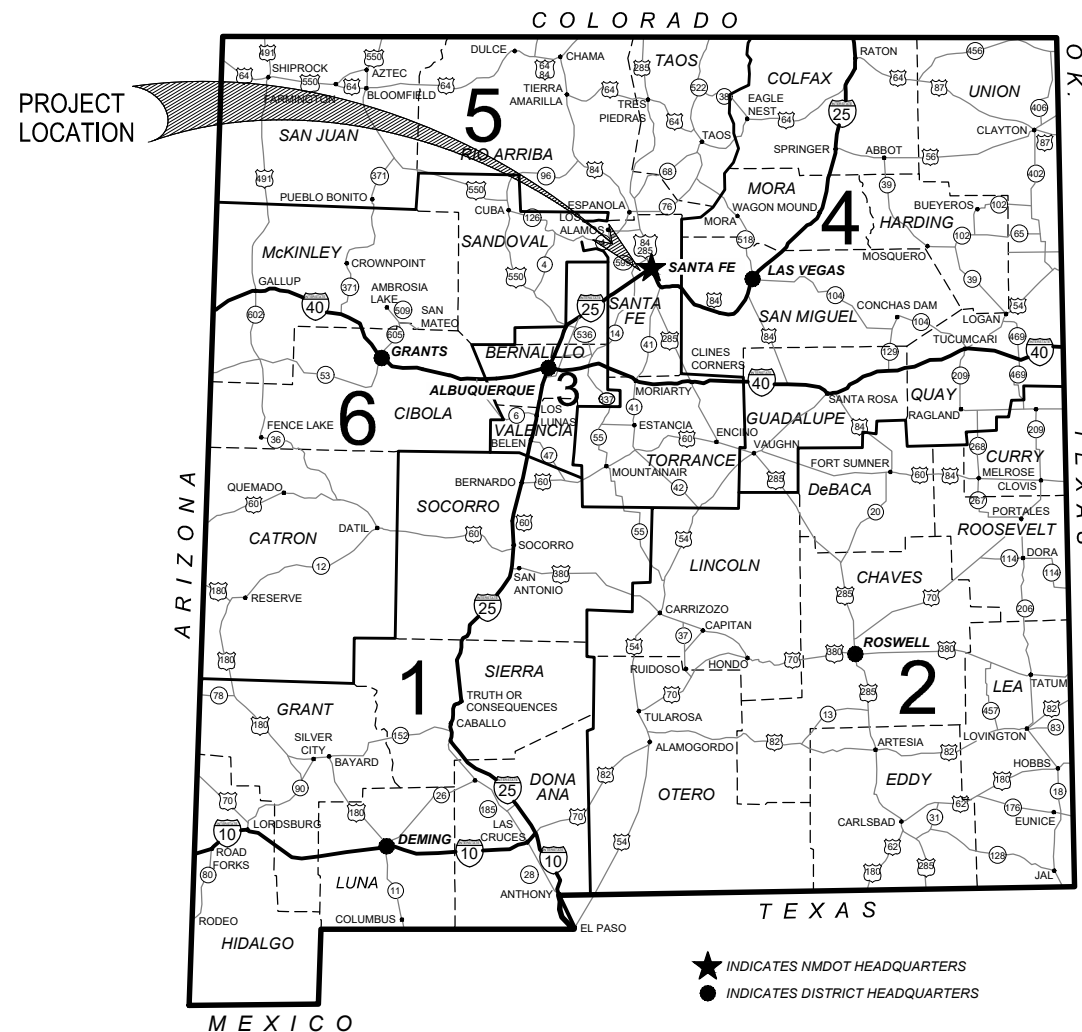


# CITY OF SANTA FE NEW MEXICO PUBLIC WORKS DEPARTMENT PRELIMINARY DESIGN PLANS ARROYO DE LOS CHAMISOS CROSSING

CIP 876B  
CN LP50039



CITY OF SANTA FE

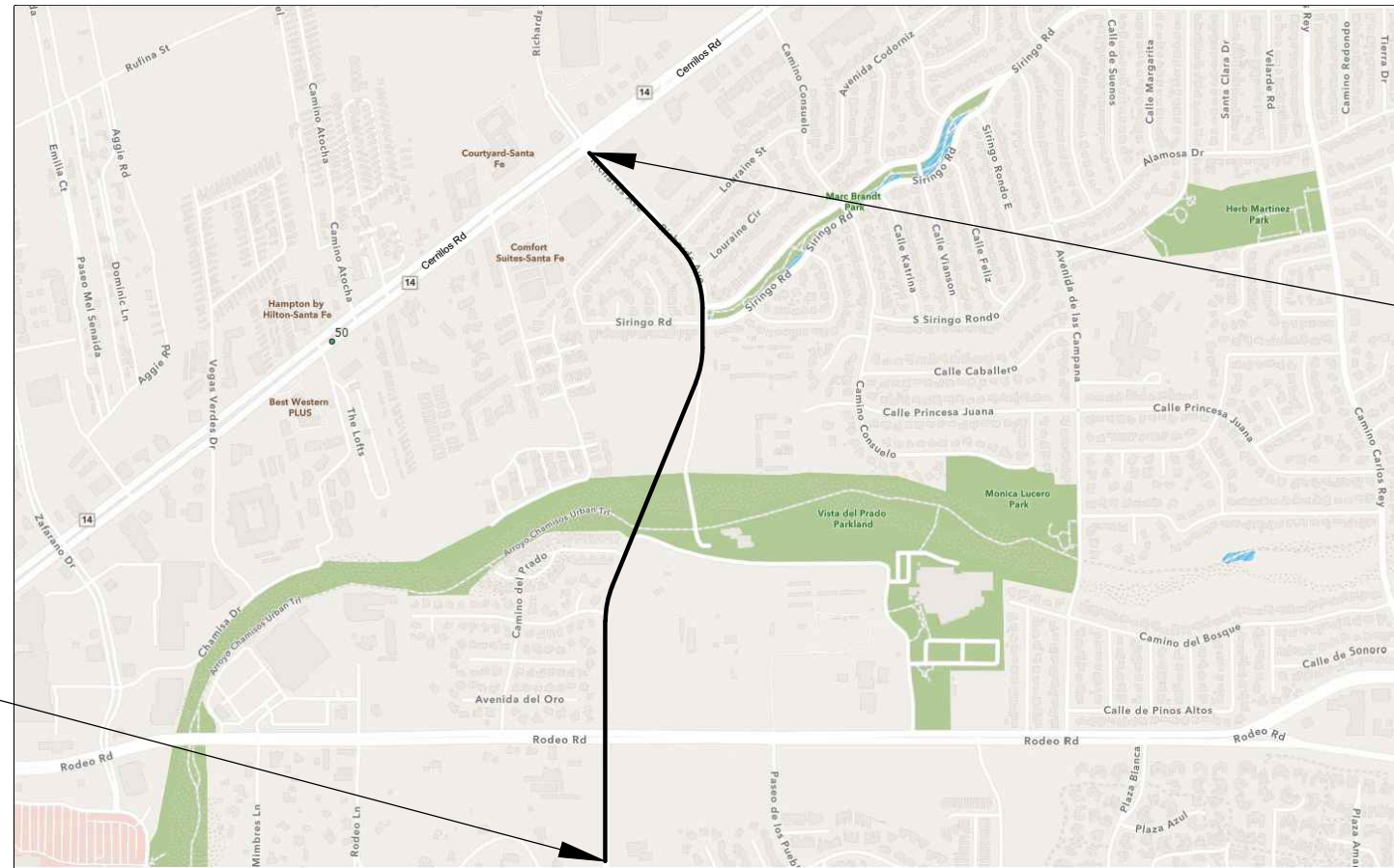


APPROVED BY CITY OF SANTA FE	
PUBLIC WORKS DEPARTMENT DIRECTOR	DATE
APPROVED BY CITY OF SANTA FE	
ENGINEERING DIVISION DIRECTOR	DATE
REVIEWED BY CITY OF SANTA FE MAYOR'S COMMITTEE ON DISABILITY	
ADA COORDINATOR	DATE
REVIEWED BY CITY OF SANTA FE HISTORIC PRESERVATION DIVISION	
HISTORIC PRESERVATION DIVISION	DATE



**Bohannon & Huston**  
www.bhinc.com 800.877.5332

**LENGTH OF PROJECT 0.882 miles**  
 THIS PROJECT BEGINS IN SECTION 9, T.16N, R.9E  
 THIS PROJECT ENDS IN SECTION 5, T.16N, R.9E



**E.O.P. CN CIP 876B  
 STA. 58+08.05**

**B.O.P. CN CIP 876B  
 STA. 11+52.29**



**VICINITY MAP**

THE 2019 EDITION OF NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN CONSTRUCTION OF THIS PROJECT.

**PROJECT CONTACT INFORMATION**  
**CITY OF SANTA FE PROJECT DEVELOPMENT MANAGER**  
 Leroy Nicholas Pacheco, PE  
 Email: engineer@leroypacheco.com  
 Phone: (505) 218-6853

**DESIGN CONSULTANT**  
 James Heimann, PE  
 WSP USA Inc.  
 Email: jim.heimann@wsp.com  
 Phone: (505) 878-6529

**INTENT OF PROJECT**  
 THE SCOPE OF THIS PROJECT INCLUDES ROADWAY RECONSTRUCTION AND EXTENSION OF RICHARDS AVE. THROUGH THE ARROYO DE LOS CHAMISOS, INCLUDING TWO NEW BRIDGES, DRAINAGE IMPROVEMENTS, TRAFFIC CALMING FEATURES, INTERSECTION LIGHTING, SIGNING AND STRIPING, AND TEMPORARY TRAFFIC CONTROL.

30% DESIGN  
 NOT FOR CONSTRUCTION

**CITY OF SANTA FE**

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			
NO.			

**ARROYO DE LOS CHAMISOS CROSSING  
 VICINITY MAP**



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1-1	COVER SHEET
1-2	VICINITY MAP
1-3	INDEX OF SHEETS
1-4 TO 1-5	SUMMARY OF QUANTITIES
1-6	GENERAL NOTES
1-7	ENVIRONMENTAL COMMITMENTS
SUBTOTAL = 7	
2-1 TO 2-4	EXISTING TYPICAL SECTIONS
2-5 TO 2-11	PROPOSED TYPICAL SECTIONS
2-12	PROPOSED TYPICAL SECTION DETAILS
2-13	EXISTING PAVEMENT DATA
2-14 TO 2-15	SURFACING SCHEDULE
2-16	ESTIMATED STRUCTURE QUANTITIES
2-17 TO 2-23	MISCELLANEOUS QUANTITIES
2-24 TO 2-38	CURB RAMP DETAILS
2-39	ROUNDBOUT LAYOUT PLAN
2-40	RODEO & RICHARDS INTERSECTION WIDENING & GRADING
SUBTOTAL = 40	
3-0A TO 3-0E	PROJECT HORIZONTAL LAYOUT
3-1 TO 3-9	ROADWAY PLAN AND PROFILE (RICHARDS AVE.)
3-10	ROADWAY PLAN AND PROFILE (GCCC RD.)
3-11	ROADWAY PLAN AND PROFILE (SIRINGO RD. WESTBOUND)
3-12	ROADWAY PLAN AND PROFILE (TRAIL)
SUBTOTAL = 17	
4-1 TO 4-3	TURNOUT PROFILES
SUBTOTAL = 3	
5A-1	RICHARDS AVE. OVER ADLC NEW BRIDGE GENERAL NOTES
5A-2	RICHARDS AVE. OVER ADLC NEW BRIDGE ESTIMATED QUANTITIES
5A-3	RICHARDS AVE. OVER ADLC NEW BRIDGE LOCATION PLAN
5A-4	RICHARDS AVE. OVER ADLC NEW BRIDGE BRIDGE ELEVATION
5A-5	RICHARDS AVE. OVER ADLC NEW BRIDGE BRIDGE TRANSVERSE SECTION
5B-1	RICHARDS AVE. OVER ARROYO PINOS NEW BRIDGE GENERAL NOTES
5B-2	RICHARDS AVE. OVER ARROYO PINOS NEW BRIDGE ESTIMATED QUANTITIES
5B-3	RICHARDS AVE. OVER ARROYO PINOS NEW BRIDGE LOCATION PLAN
5B-4	RICHARDS AVE. OVER ARROYO PINOS NEW BRIDGE BRIDGE ELEVATION
5B-5	RICHARDS AVE. OVER ARROYO PINOS NEW BRIDGE BRIDGE TRANSVERSE SECTION
5C-1	RICHARDS AVE. OVER PEDESTRIAN UNDERPASS GENERAL NOTES & ESTIMATED QUANTITIES
5C-2	PEDESTRIAN UNDERPASS LOCATION PLAN
5C-3	PEDESTRIAN UNDERPASS PROFILE
5C-4	PEDESTRIAN UNDERPASS CROSS SECTION
5D-1	RETAINING WALL GENERAL NOTES & ESTIMATED QUANTITIES
5D-2	GRAVITY WALL 01 SECTIONS
5D-3	GRAVITY WALL 01 PLAN & PROFILE
5D-4	GRAVITY WALL 02 SECTIONS, PLAN AND PROFILE
5D-5	RETAINING WALL 01 SECTIONS, PLAN & PROFILE
SUBTOTAL = 19	
6-1	SUGGESTED SEQUENCE OF CONSTRUCTION
6-2 TO 6-6	TRAFFIC CONTROL TYPICAL SECTIONS
SUBTOTAL = 6	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
7-1	PERMANENT SIGNING & STRIPING NOTES AND QUANTITIES
7-2 TO 7-4	PERMANENT SIGNING AND STRIPING NOTES (NOT INCLUDED IN 30% SUBMITTAL)
7-5 TO 7-13	SIGNING AND STRIPING PLAN (RICHARDS AVE.)
7-14	SIGNING AND STRIPING PLAN (GCCC RD.)
7-15	PERMANENT STRIPING DETAILS (NOT INCLUDED IN 30% SUBMITTAL)
7-16 TO 7-17	PERMANENT SIGN FACE DETAILS (NOT INCLUDED IN 30% SUBMITTAL)
SUBTOTAL = 11	
8-1	LIGHTING NOTES
8-2	RODEO AND RICHARDS LIGHTING LAYOUT
8-3 TO 8-6	LIGHTING PLANS
SUBTOTAL = 6	
9-1	SIGNAL NOTES
9-2 TO 9-3	TRAFFIC SIGNAL PLAN
SUBTOTAL = 3	
10-1 TO 10-4	DRAINAGE PLAN AND PROFILE
10-5 TO 10-6	EXISTING STRUCTURE SECTIONS
SUBTOTAL = 6	
11-1	EXISTING UTILITY NOTES AND LEGEND
11-2 TO 11-11	EXISTING UTILITY PLANS
SUBTOTAL = 11	
12 SERIES	NOT USED
13 SERIES	NOT USED
14-1 TO 14-24	RICHARDS AVE. CROSS SECTIONS
14-25 TO 14-29	GCCC RD. CROSS SECTIONS
14-30 TO 14-35	TRAIL CROSS SECTIONS
SUBTOTAL = 35	
PROJECT TOTAL = 164	

NO.	DESCRIPTION	DATE	BY
4			
3			
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1			

30% DESIGN  
NOT FOR CONSTRUCTION

ARROYO DE LOS CHAMISOS CROSSING  
INDEX OF SHEETS





SUMMARY OF QUANTITIES			ROADWAY		CONSTRUCTION ENGINEERING		MAJOR STRUCTURES		CONSTRUCTION SIGNING		DETOUR		PERMANENT SIGNING		LIGHTING		SIGNALIZATION		PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
609380	CONCRETE SLOPED CURB AND GUTTER 8" X 30"	L.F.	300																300	
609424	CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"	L.F.	7,700																7,700	
609478	CONCRETE VERTICAL CURB AND GUTTER TYPE D 6" X 18"	L.F.	2,400																2,400	
609636	CONCRETE VALLEY GUTTER 6" X 36"	L.F.	40																40	
609706	CONCRETE LAYDOWN CURB 6"	L.F.	330																330	
613000	CLEANING CULVERTS AND DRAINAGE STRUCTURES	LS	LS																LS	
618000	TRAFFIC CONTROL MANAGEMENT	LS				LS													LS	
618011	PUBLIC AWARENESS	LS				LS													LS	
621000	MOBILIZATION	LS	LS																LS	
623012	MEDIAN DROP INLET TYPE I (RURAL) H=3'1" TO 6'0"	EACH	2																2	
623312	CURB DROP INLET TYPE II-B, 0' TO 4'	EACH	11																11	
623332	CURB DROP INLET TYPE II-B, OVER 4'	EACH	15																15	
623601	JUNCTION BOX (SPECIAL DESIGN)	EACH	2																2	
662010	MANHOLE TYPE C-6' DIAMETER 0' TO 6' DEPTH	EACH	8																8	
662072	MANHOLE TYPE E-6' DIAMETER OVER 6' TO 10' DEPTH	EACH	1																1	
662074	MANHOLE TYPE E-6' DIAMETER OVER 10' TO 14' DEPTH	EACH	1																1	
663049	PRECONSTRUCTION UTILITY SURVEY	LS				LS													LS	
667XXX	BOLLARD (LIGHTING), 4' HEIGHT	EACH													10				10	
701000	PANEL SIGNS	S.F.											260						260	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	L.F.											340						340	
702610	PORTABLE CHANGEABLE MESSAGE SIGN	EACH								2									2	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS								LS									LS	
702811	TRAFFIC CONTROL DEVICES FOR PEDESTRIAN AND BICYCLIST	LS								LS									LS	
704004	RETROREFLECTORIZED PAINTED MARKINGS 12"	L.F.											780						780	
704700	HOT THERMOPLASTIC PAVEMENT MARKINGS 4"	L.F.											11,400						11,400	
704701	HOT THERMOPLASTIC PAVEMENT MARKINGS 6"	L.F.											12,400						12,400	
704702	HOT THERMOPLASTIC PAVEMENT MARKINGS 8"	L.F.											240						240	
704704	HOT THERMOPLASTIC PAVEMENT MARKING 24"	L.F.											1,520						1,520	
70470X	HOT THERMOPLASTIC PAVEMENT MARKING 18"	L.F.											100						100	
704715	HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND RIGHT) ARROW	EACH											2						2	
704717	HOT THERMOPLASTIC PAVEMENT MARKING RIGHT ARROW	EACH											6						6	
704718	HOT THERMOPLASTIC PAVEMENT MARKING LEFT ARROW	EACH											20						20	
704719	HOT THERMOPLASTIC PAVEMENT MARKING THRU ARROW	EACH											7						7	
704730	HOT THERMOPLASTIC MARKING LANE SYMBOL	EACH											10						10	
704731	HOT THERMOPLASTIC MARKING LANE SYMBOL (BIKEWAY)	EACH											17						17	
704732	HOT THERMOPLASTIC PAVEMENT MARKING BIKE SYMBOL (BIKEWAY)	EACH											2						2	
704743	HOT THERMOPLASTIC PAVEMENT MARKING WORD (ENDS)	EACH											2						2	
706420	LIGHTING CONTROL CABINET-TWO CIRCUIT	EACH													2				2	
707004	TYPE I STANDARD, 4'	EACH														2			2	
707010	TYPE I STANDARD, 10'	EACH													4				4	
707540	TYPE V STANDARD, 40'	EACH												9					9	
707810	REMOVE & RESET LIGHTING STANDARD & LUMINAIRE	EACH												3					3	
707820	REMOVE & RESET TRAFFIC SIGNAL & MASTARM	EACH														1			1	
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	L.F.												3,250		900			4,150	
709030	RIGID ELECTRICAL CONDUIT 3" (DIA.)	L.F.												470		1,500			1,970	
710000	ELECTRICAL PULL BOX (STANDARD)	EACH												7		4			11	
710010	ELECTRICAL PULL BOX (LARGE)	EACH														4			4	
711005	MULTI CONDUCTOR CABLE 5	L.F.														900			900	
711007	MULTI CONDUCTOR CABLE 7	L.F.														700			700	
711020	MULTI CONDUCTOR CABLE 20	L.F.														1,500			1,500	
711102	SINGLE CONDUCTOR 2	L.F.												6,500		1,500			8,000	
711106	SINGLE CONDUCTOR 6	L.F.														1,500			1,500	
711210	SINGLE CONDUCTOR 1/0	L.F.												470					470	
712202	PEDESTRIAN COUNTDOWN SIGNAL (LED)	EACH														6			6	
713025	ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON STATION	EACH														6			6	
713600	OPTICAL DETECTOR CABLE	L.F.														2,000			2,000	
713807	VIDEO CABLE	L.F.														2,000			2,000	
716701	LED ROADWAY LUMINAIRE	EACH													4				4	
716704	LED UNDERPASS LUMINAIRE	EACH													2				2	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS																	LS	
802000	POST CONSTRUCTION PLANS	LS																	LS	
803000	SCHEDULE SOFTWARE	LS																	LS	
803020	CPM HARDWARE/EQUIPMENT	LS																	LS	

30% DESIGN  
NOT FOR CONSTRUCTION



	BY
	DATE
	DESCRIPTION
4	NO.
3	
2	
1	

ARROYO DE LOS CHAMISOS CROSSING  
SUMMARY OF QUANTITIES

GENERAL NOTES:

DIVISION 100

100

- 1. **DESCANSOS.** THE CONTRACTOR SHALL DOCUMENT THE LOCATION, CONDITION AND PHOTOGRAPH ALL DESCANSOS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO SEE THAT ANY AND ALL DESCANSOS WITHIN THE PROJECT LIMITS ARE NOT ADVERSELY IMPACTED DURING CONSTRUCTION ACTIVITIES. DESCANSOS THAT INTERFERE WITH CONSTRUCTION ACTIVITIES SHALL BE CAREFULLY REMOVED AND STORED FOR LATER RESETTING AT A LOCATION APPROVED BY THE PROJECT MANAGER. DESCANSOS DAMAGED DURING PROJECT CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION, TO THE SATISFACTION OF THE PROJECT MANAGER. THIS WORK SHALL BE CONSIDERED INCIDENTAL.

DIVISION 200

203

- 1. **R-VALUE.** THE DESIGN R-VALUE IS 35.



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
GENERAL NOTES

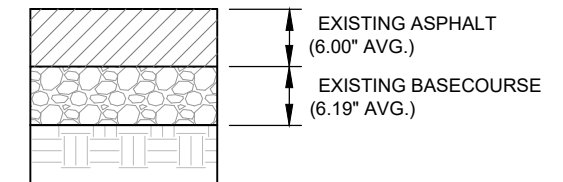
30% DESIGN  
NOT FOR CONSTRUCTION



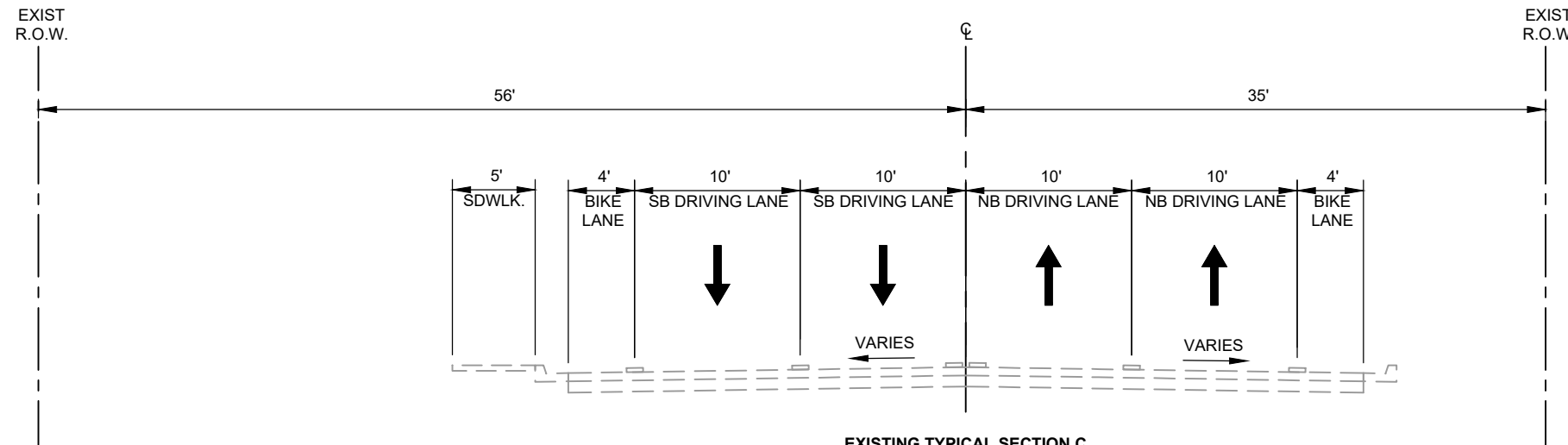
DESIGN DATA			
CL OF CONSTRUCTION STA TO STA		DESIGN SPEED (MPH)	POSTED SPEED (MPH)
<b>RICHARDS AVE.</b>			
B.O.P.	E.O.P.	30	25
<b>GCCC RD.</b>			
10+00.00	14+67.00	30	25
<b>SIRINGO RD.</b>			
10+00.00	11+61.14	30	25

TRAFFIC DATA	
AADT (2023) EXISTING	6,000
% HEAVY COMMERCIAL (2023)	1%
AADT (2043) DESIGN	13,150
% HEAVY COMMERCIAL (2043)	1%
ESALS (20 YEAR)	2,412,943

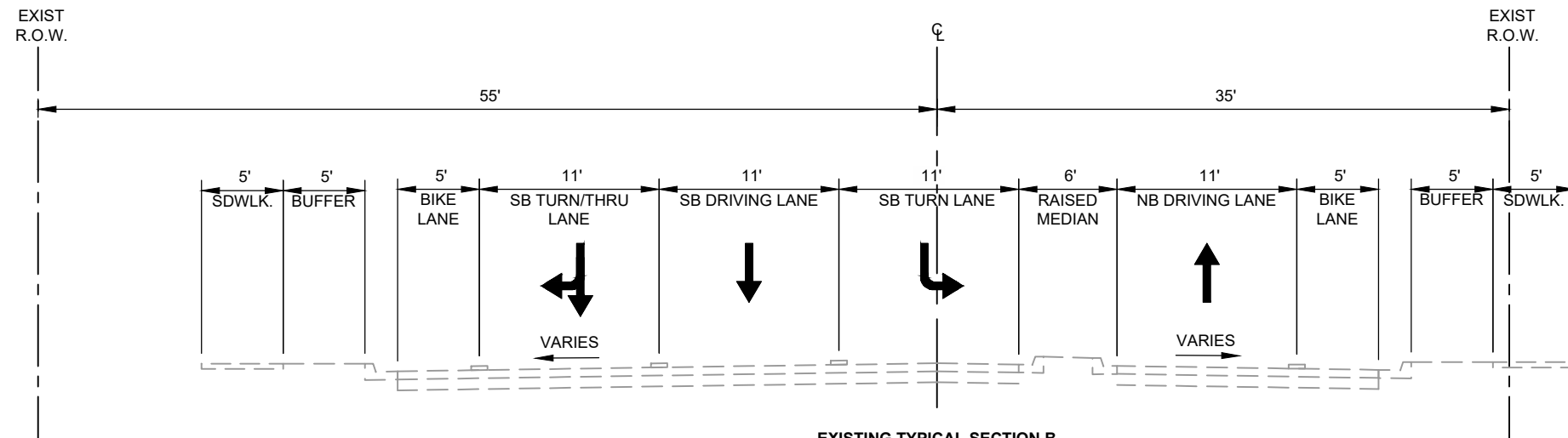
LENGTH OF PROJECT				
CL OF CONSTRUCTION STA TO STA	LENGTH FT.	LENGTH MILES	NOTES	
<b>RICHARDS AVE.</b>				
11+52.29	58+08.05	4,655.76	0.882	RODEO RD. TO CERRILLOS RD.
<b>PROJECT LENGTH</b>			<b>4,655.76</b>	<b>0.882</b>
<b>GCCC RD.</b>				
10+00.00	14+67.00	467.00	0.088	FOR INFORMATION ONLY
<b>SIRINGO RD. WESTBOUND</b>				
10+21.00	11+61.14	140.14	0.027	FOR INFORMATION ONLY



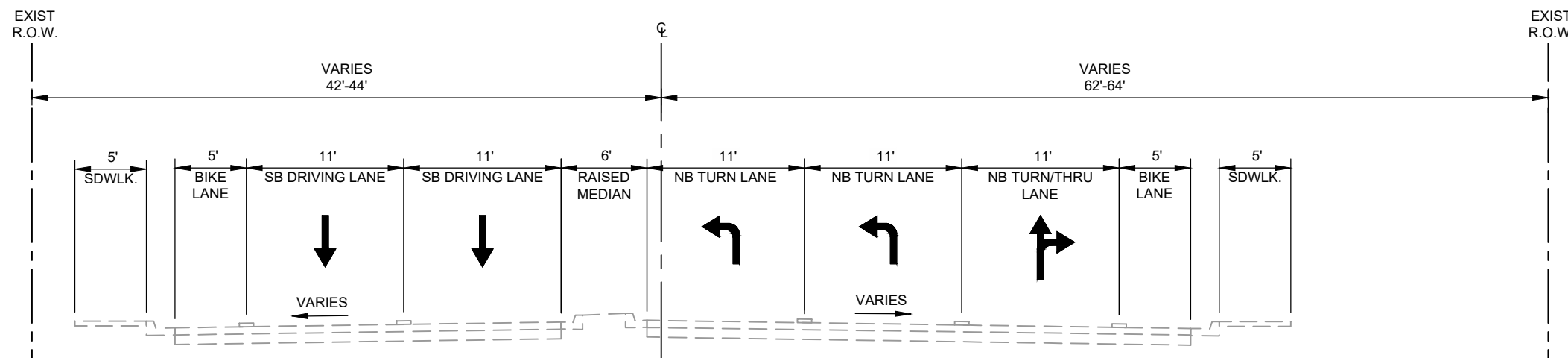
EXISTING PAVEMENT SECTION



EXISTING TYPICAL SECTION C  
STA. 18+16.30 TO STA. 22+93.71  
(TO-1 RODEO GROUNDS ENTRANCE TO CAMINO CIELO VISTA)



EXISTING TYPICAL SECTION B  
STA. 15+54.20 TO STA. 17+15.52  
(RICHARDS AVE./RODEO RD. TO TO-1 RODEO GROUNDS ENTRANCE)



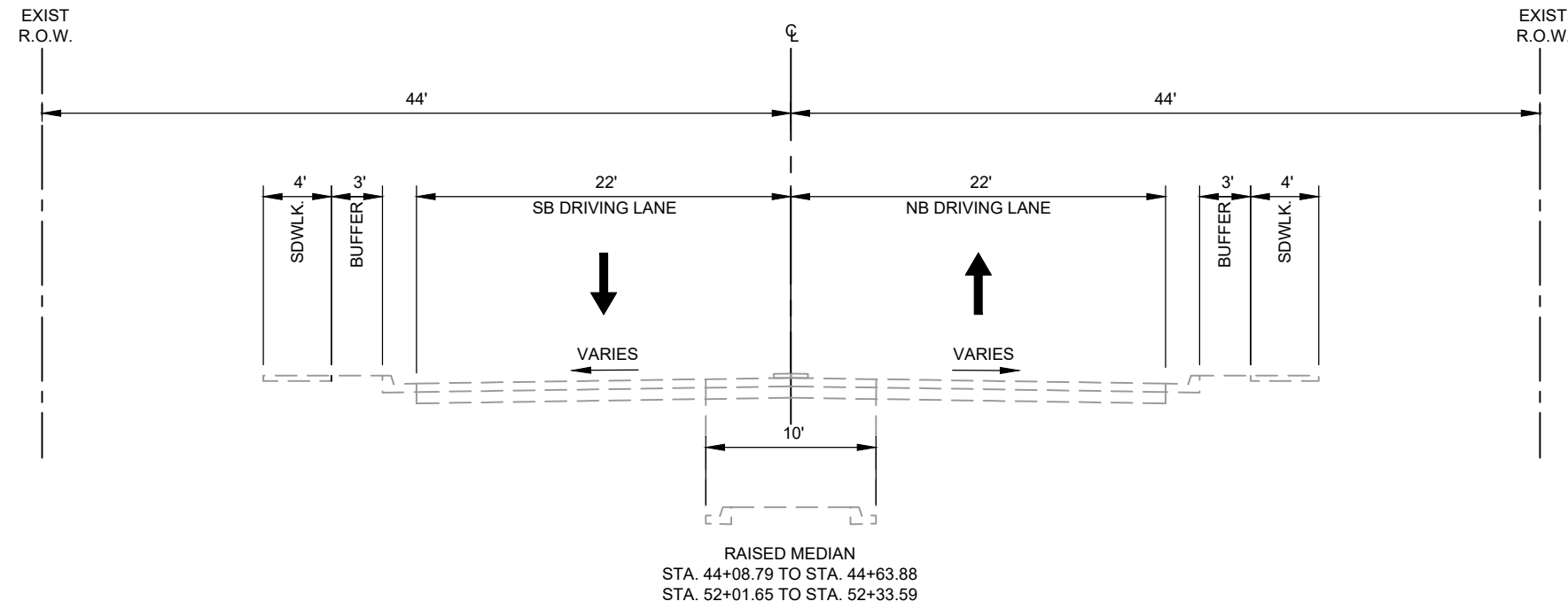
EXISTING TYPICAL SECTION A  
STA. 11+52.29 TO STA. 14+69.86  
(B.O.P. TO RODEO RD.)

NO.	DESCRIPTION	DATE	BY
4			
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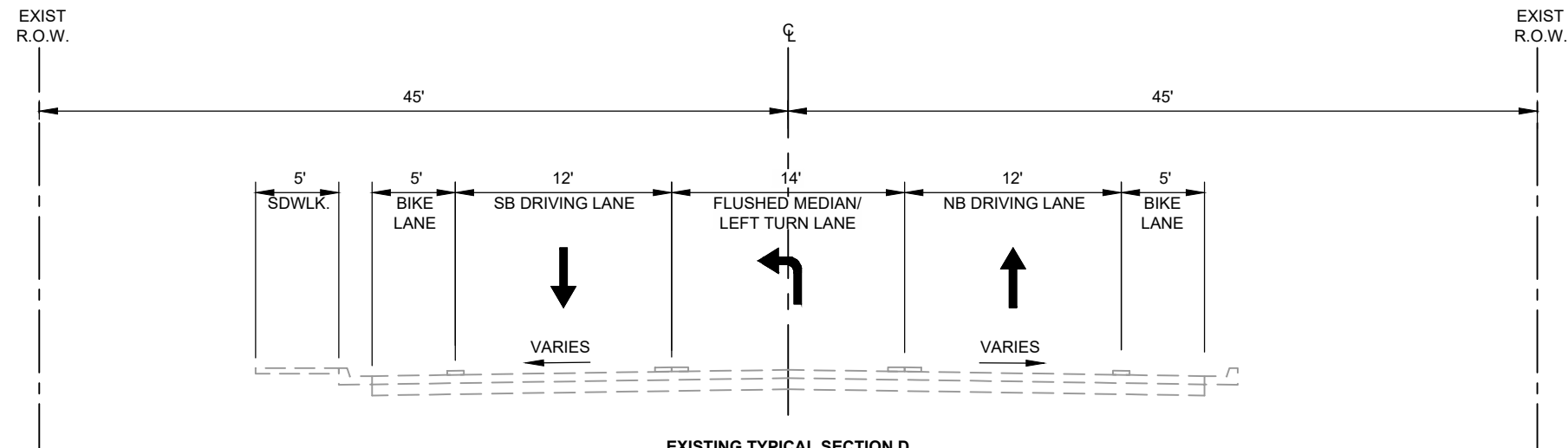
ARROYO DE LOS CHAMISOS CROSSING  
EXISTING TYPICAL SECTIONS

30% DESIGN  
NOT FOR CONSTRUCTION





**EXISTING TYPICAL SECTION E**  
STA. 42+56.24 TO STA. 52+85.95  
(RICHARDS AVE./SIRINGO RD. TO JAMES AVE.)



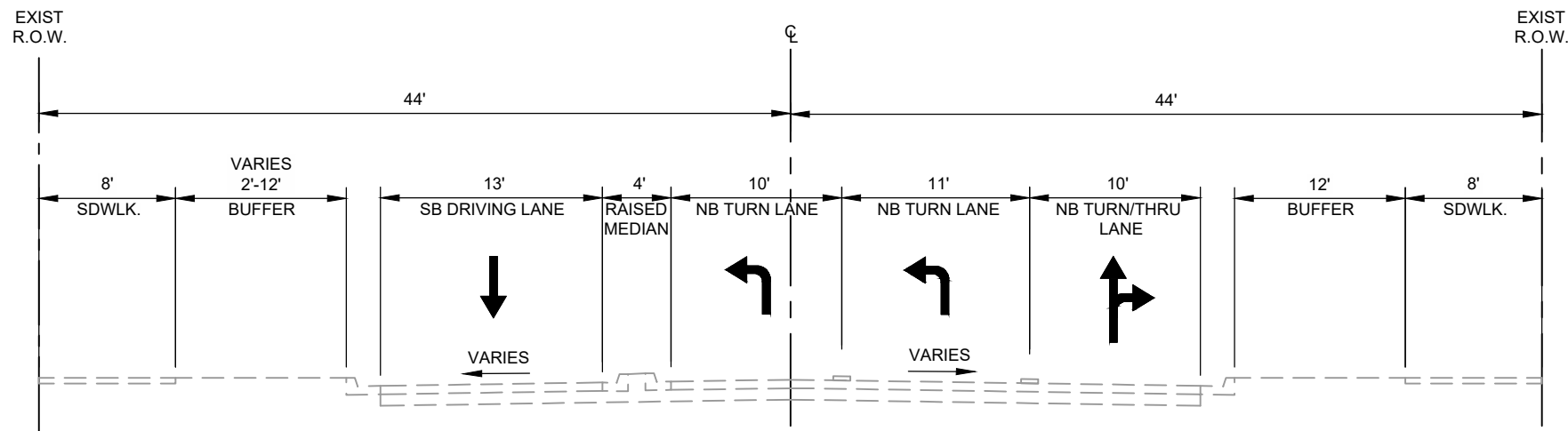
**EXISTING TYPICAL SECTION D**  
STA. 22+93.71 TO STA. 28+21.87  
(RICHARDS AVE./CAMINO CIELO VISTA TO GCCC RD.)

30% DESIGN  
NOT FOR CONSTRUCTION

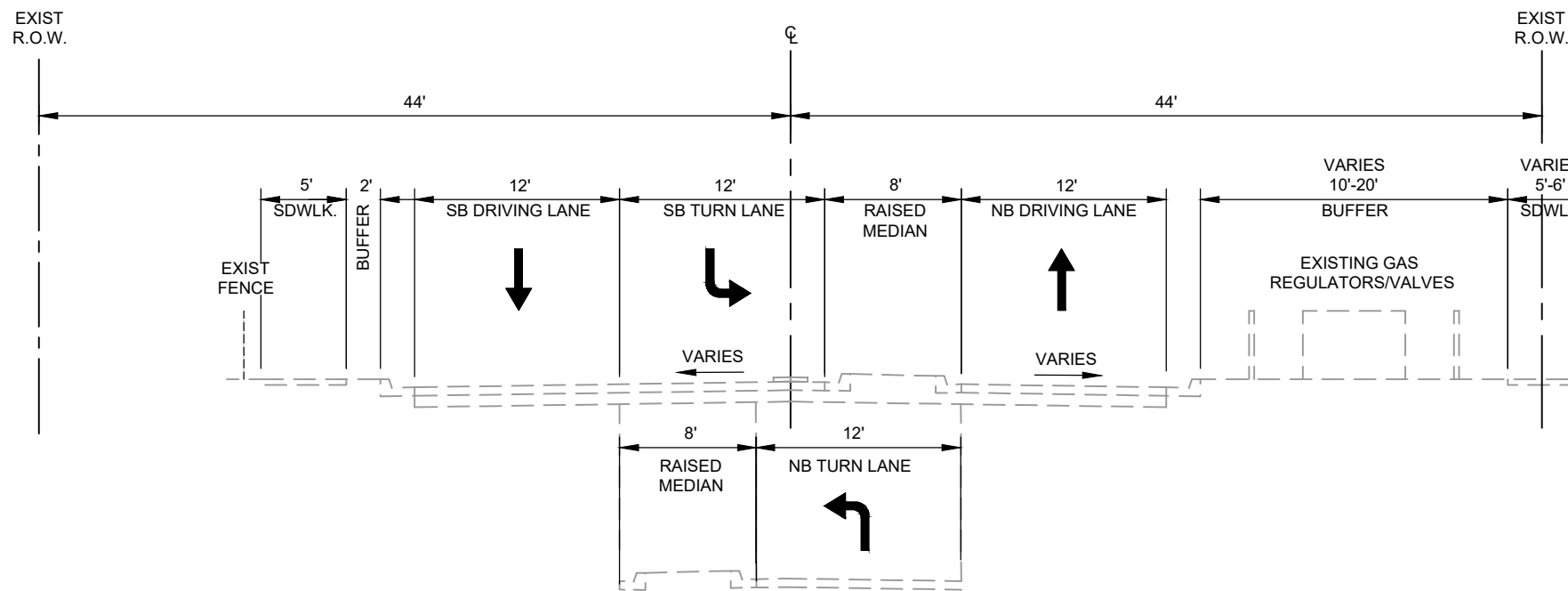


NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING TYPICAL SECTIONS



**EXISTING TYPICAL SECTION G**  
 STA. 56+20.00 TO STA. 58+08.05  
 (RICHARDS AVE./SHOPPING CENTER ENTRANCE TO CERRILLOS RD.)



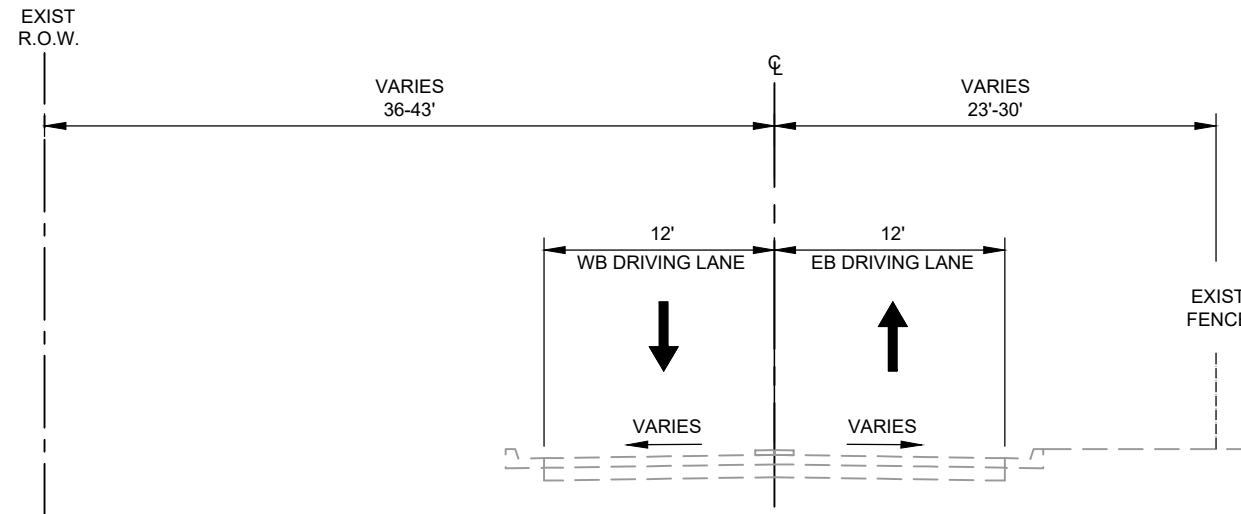
MIRRORED MEDIAN/TURN LANE  
 STA. 53+58.04 TO STA. 53+97.50

**EXISTING TYPICAL SECTION F**  
 STA. 52+85.95 TO STA. 56+20.00  
 (RICHARDS AVE./JAMES AVE. TO SHOPPING CENTER ENTRANCE)

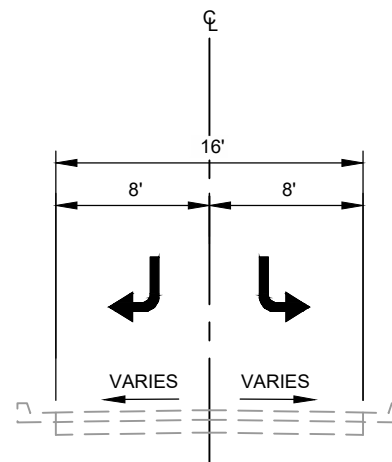
NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
 EXISTING TYPICAL SECTIONS

30% DESIGN  
 NOT FOR CONSTRUCTION



**GCCC RD. EXISTING TYPICAL SECTION**



**SIRINGO RD. WESTBOUND EXISTING TYPICAL SECTION**

NO.	DESCRIPTION	DATE	BY
4			
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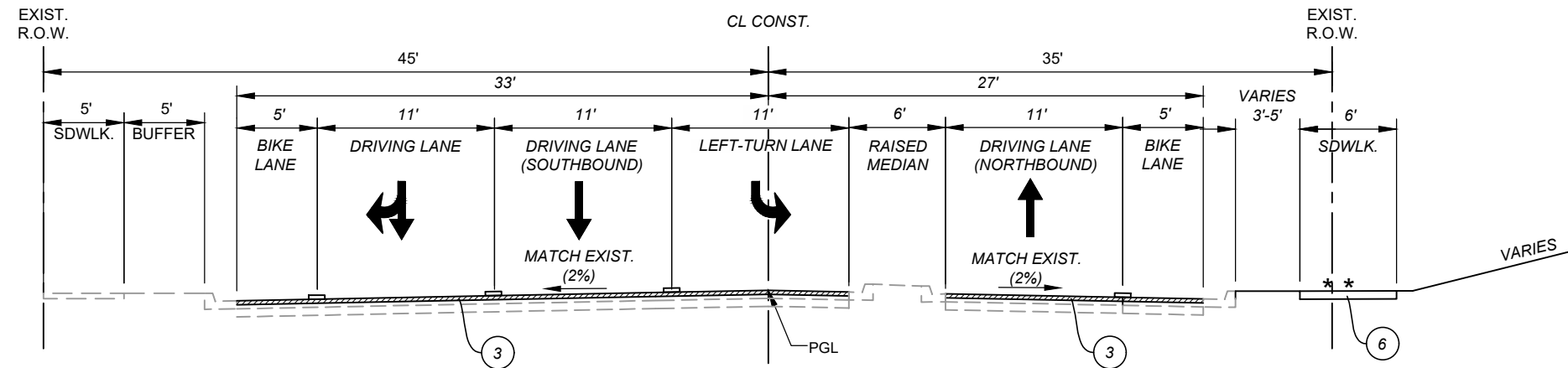
ARROYO DE LOS CHAMISOS CROSSING  
EXISTING TYPICAL SECTIONS

30% DESIGN  
NOT FOR CONSTRUCTION

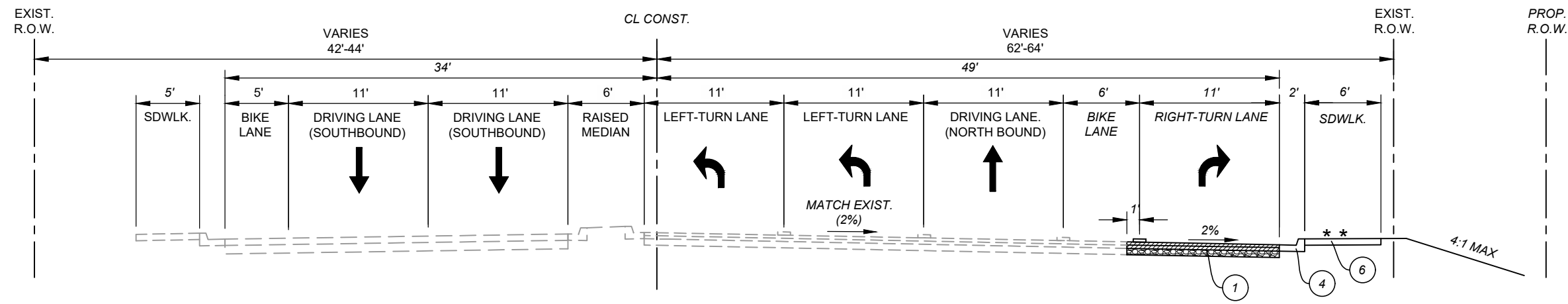


- NOTES**
- SEE SHEET 2-12 FOR PAVEMENT SECTION DETAILS.
  - SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

- KEYED NOTES**
- PAVEMENT SECTION NO. 1 (8" HMA OVER 6" BASE COURSE), SEE SHEET 2-12
  - PAVEMENT SECTION NO. 2 (3" HMA OVER 4" BASE COURSE), SEE SHEET 2-12
  - PAVEMENT SECTION NO. 3 (2" MILL & INLAY), SEE SHEET 2-12
  - CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X24"
  - CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"X18"
  - CONCRETE SIDEWALK 4"
  - CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)
  - RETAINING WALL - SEE 5 SERIES
  - HEADER CURB
  - CUT OFF WALL
  - CONCRETE MOUNTABLE CURB AND GUTTER TYPE A 4"X30" (TRUCK APRON CURB)
- \* \* SIDEWALK AND MULTI-USE TRAIL CROSS SLOPES = 1.5% (2.0% MAX.)



**PROPOSED TYPICAL SECTION 2**  
 RODEO RD. TO TO-1 (RODEO GROUNDS ENTRANCE)  
 STA. 15+54.20 TO STA. 16+97.42



**PROPOSED TYPICAL SECTION 1**  
 B.O.P. TO RODEO RD.  
 STA. 12+26.74 TO STA. 14+15.02

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

ARROYO DE LOS CHAMISOS CROSSING  
 PROPOSED TYPICAL SECTIONS

30% DESIGN  
 NOT FOR CONSTRUCTION

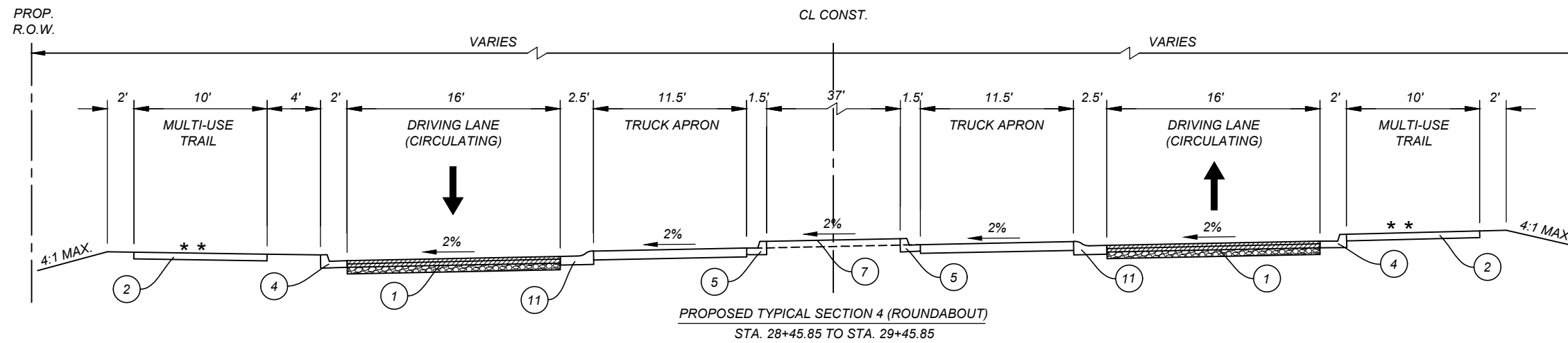
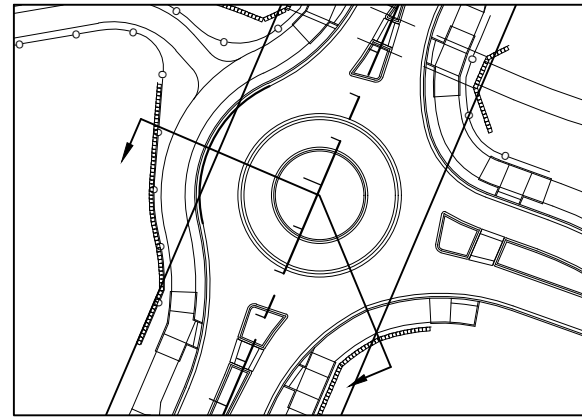


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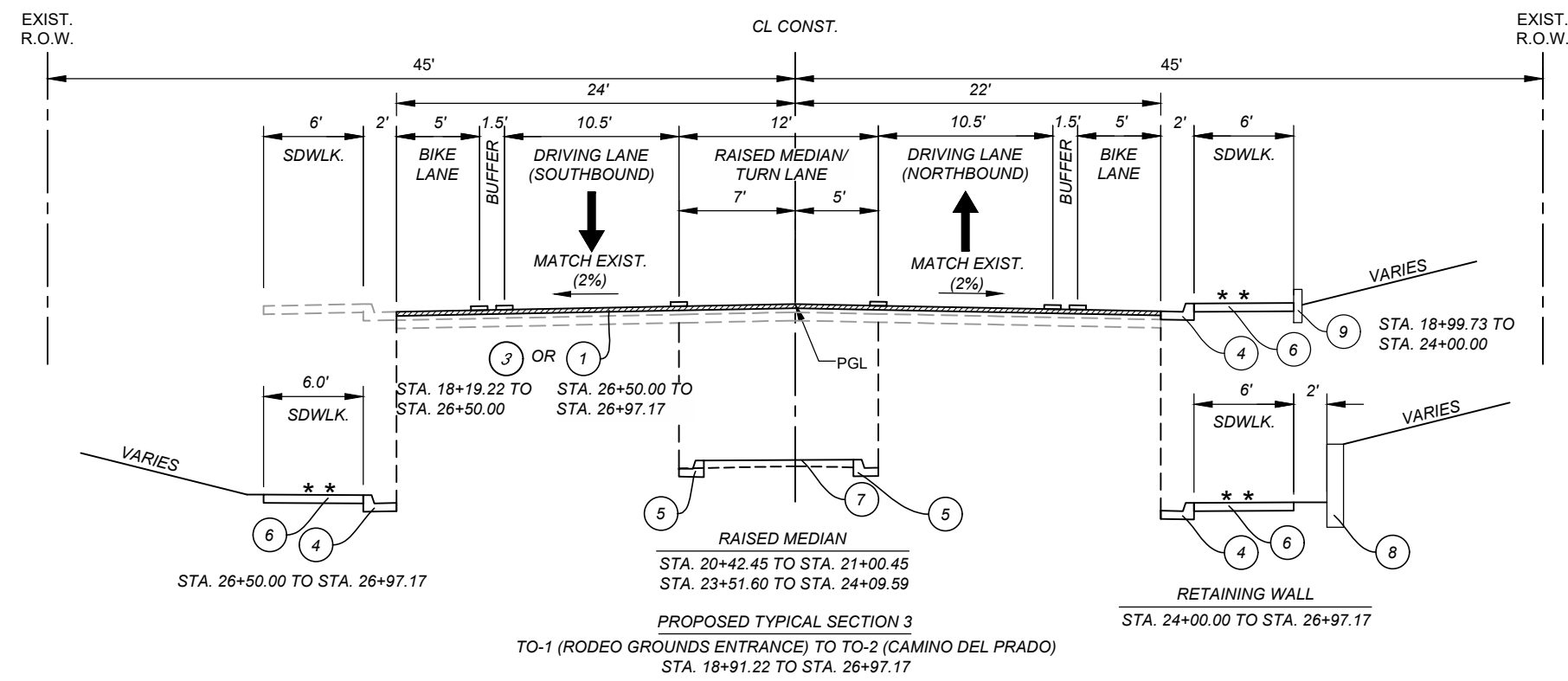
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- SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

KEYED NOTES

- PAVEMENT SECTION NO. 1 (8" HMA OVER 6" BASE COURSE), SEE SHEET 2-12
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  - RETAINING WALL - SEE 5 SERIES
  - HEADER CURB
  - CUT OFF WALL
  - CONCRETE MOUNTABLE CURB AND GUTTER TYPE A 4"x30" (TRUCK APRON CURB)
- \*\* SIDEWALK AND MULTI-USE TRAIL CROSS SLOPES = 1.5% (2.0% MAX.)



TRANSITION FROM TYPICAL SECTION 3 TO TYPICAL SECTION 4  
STA. 26+97.17 TO STA. 29+45.85



NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

ARROYO DE LOS CHAMISOS CROSSING  
PROPOSED TYPICAL SECTIONS

30% DESIGN  
NOT FOR CONSTRUCTION



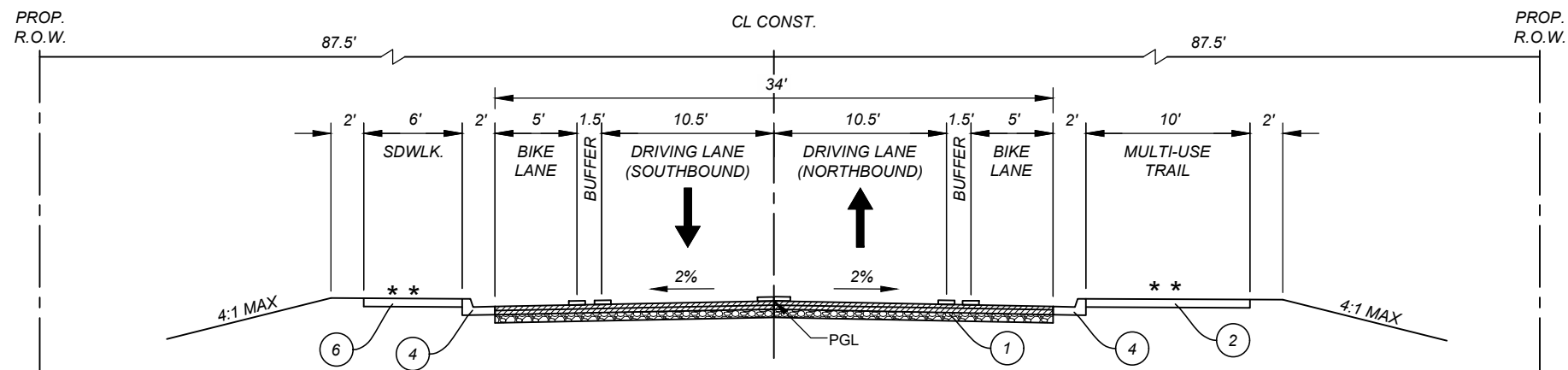
NOTES

1. SEE SHEET 2-12 FOR PAVEMENT SECTION DETAILS.
2. SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

KEYED NOTES

1. PAVEMENT SECTION NO. 1 (8" HMA OVER 6" BASE COURSE), SEE SHEET 2-12
  2. PAVEMENT SECTION NO. 2 (3" HMA OVER 4" BASE COURSE), SEE SHEET 2-12
  3. PAVEMENT SECTION NO. 3 (2" MILL & INLAY), SEE SHEET 2-12
  4. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X24"
  5. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"X18"
  6. CONCRETE SIDEWALK 4"
  7. CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)
  8. RETAINING WALL - SEE 5 SERIES
  9. HEADER CURB
  10. CUT OFF WALL
  11. CONCRETE MOUNTABLE CURB AND GUTTER TYPE A 4"X30" (TRUCK APRON CURB)
- \* \* SIDEWALK AND MULTI-USE TRAIL CROSS SLOPES = 1.5% (2.0% MAX.)

NO.	DESCRIPTION	DATE	BY
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PROPOSED TYPICAL SECTION 5  
 BRIDGE 01 TO BRIDGE 02  
 BRIDGE 02 TO TO-03 (WILDFIRE RESPONSE OFFICE)  
 STA. 32+59.77 TO STA. 33+36.92  
 STA. 38+09.09 TO STA. 38+53.86  
 STA. 39+13.86 TO STA. 39+33.86

30% DESIGN  
 NOT FOR CONSTRUCTION

ARROYO DE LOS CHAMISOS CROSSING  
 PROPOSED TYPICAL SECTIONS



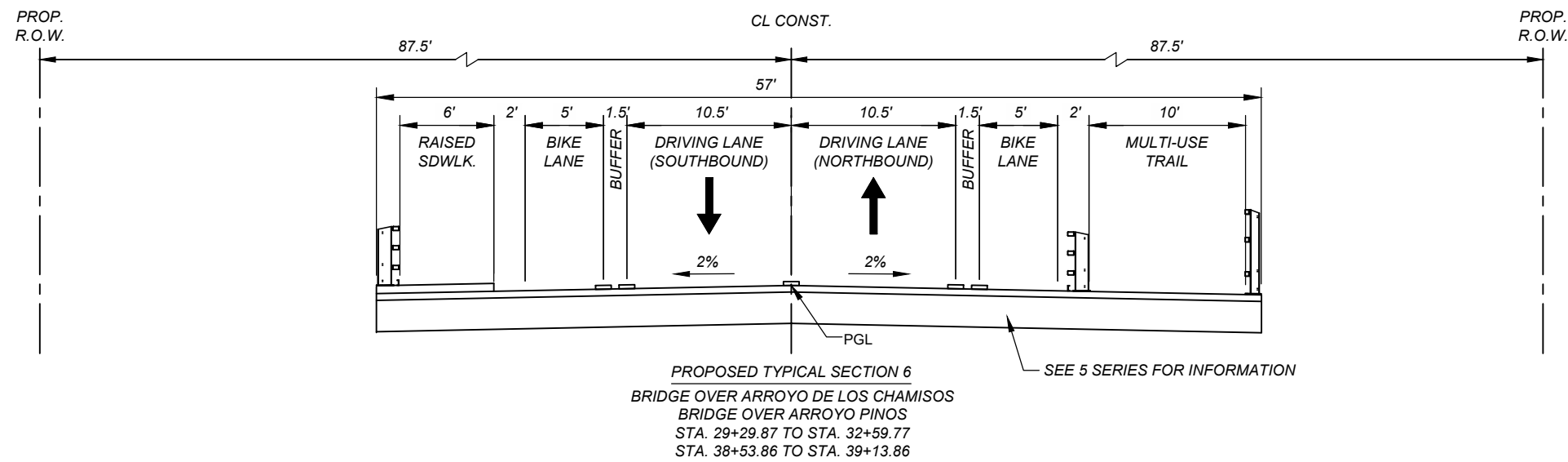
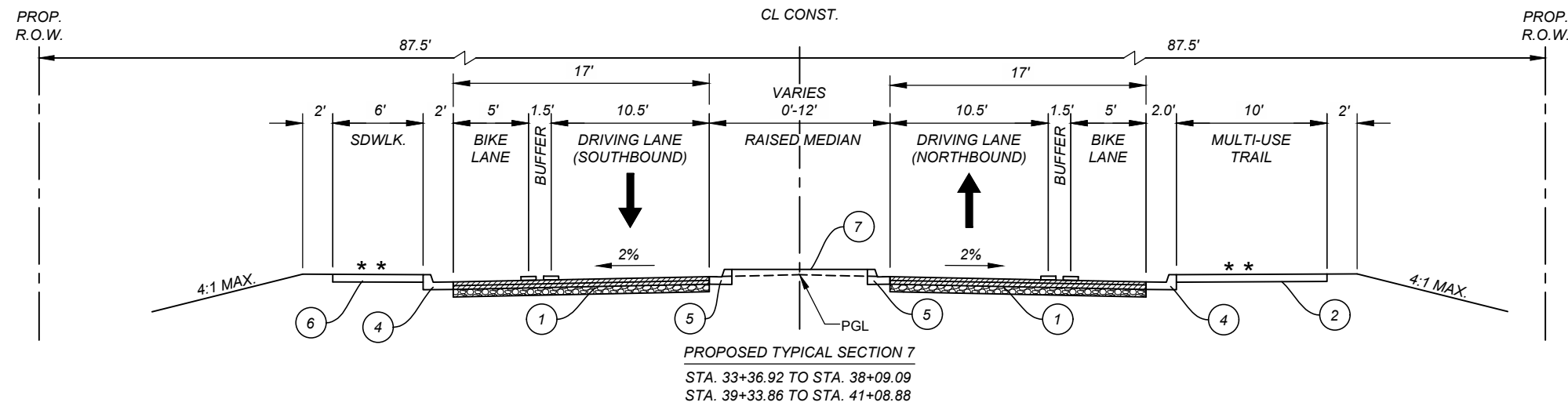
NOTES

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TRANSITION FROM TYPICAL SECTION 7 TO TYPICAL SECTION 8  
STA. 41+08.88 STA. 41+99.86



TRANSITION FROM TYPICAL SECTION 5 TO TYPICAL SECTION 6  
STA. 29+45.85 TO STA. 29+92.87

NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
PROPOSED TYPICAL SECTIONS

30% DESIGN  
NOT FOR CONSTRUCTION



NOTES

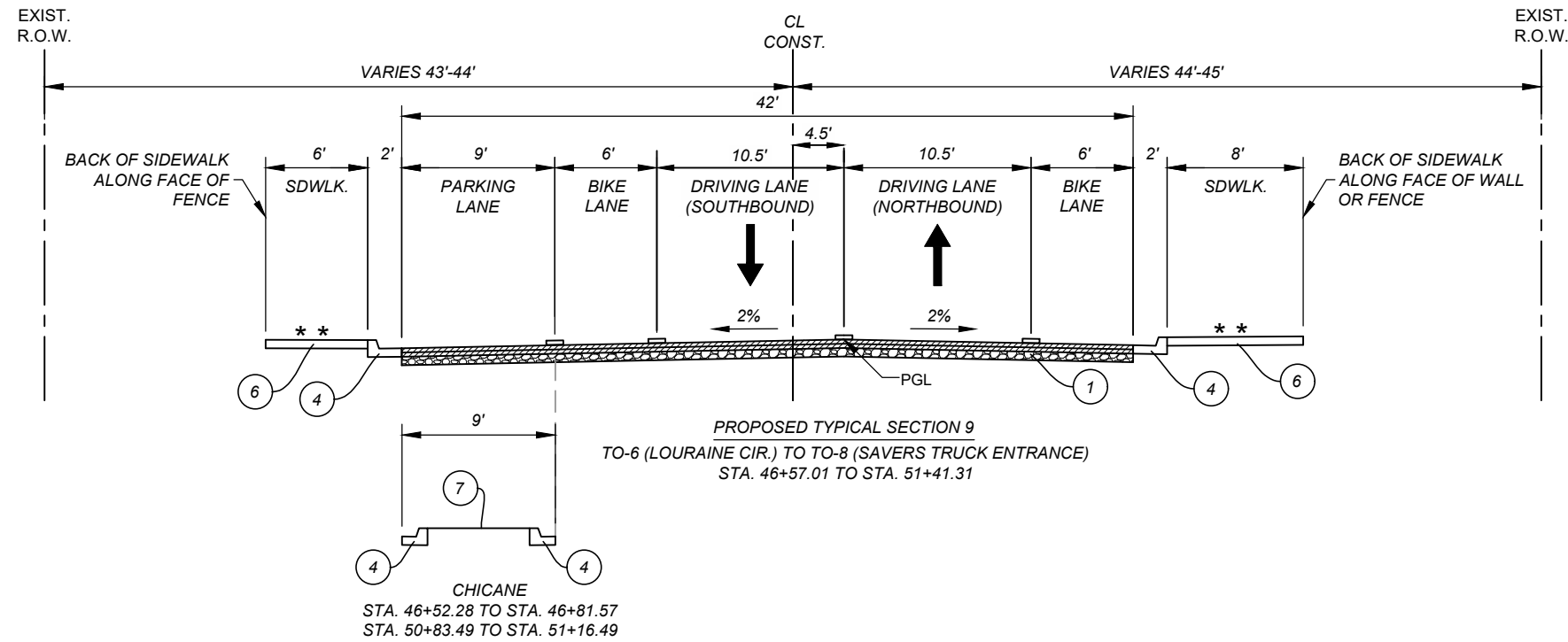
1. SEE SHEET 2-12 FOR PAVEMENT SECTION DETAILS.
2. SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

KEYED NOTES

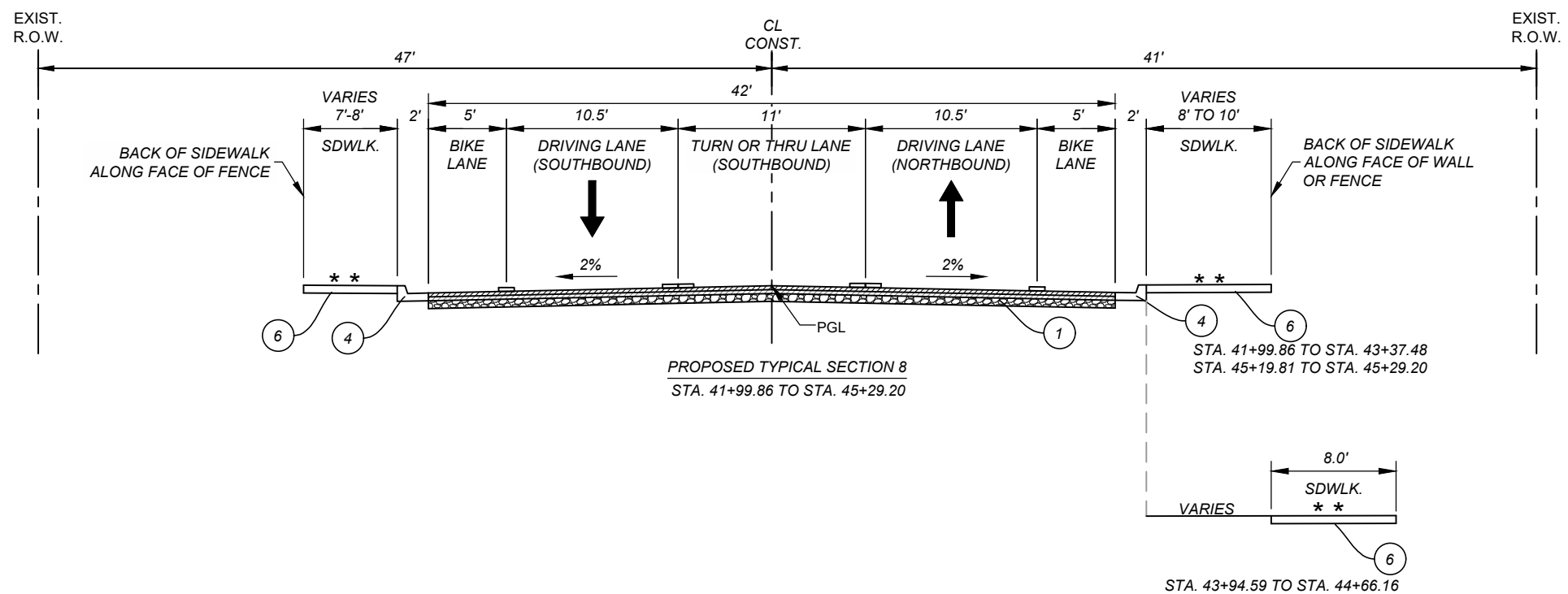
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NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
PROPOSED TYPICAL SECTIONS



TRANSITION FROM TYPICAL SECTION 8 TO TYPICAL SECTION 9  
STA. 45+29.20 TO STA. 46+57.01



30% DESIGN  
NOT FOR CONSTRUCTION



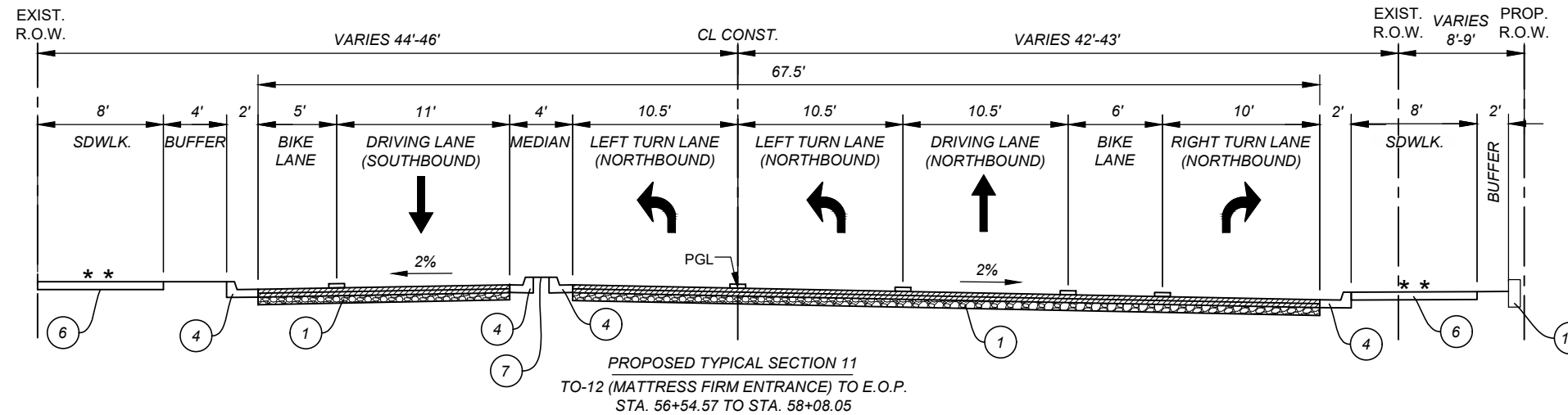


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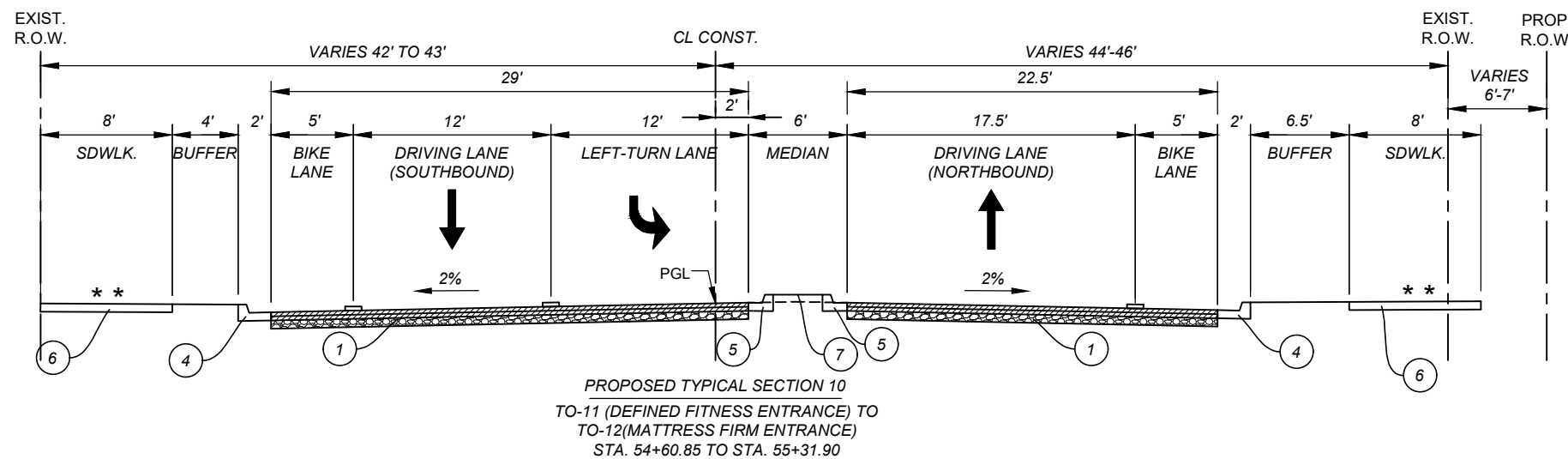
1. SEE SHEET 2-12 FOR PAVEMENT SECTION DETAILS.
2. SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

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- \* \* SIDEWALK AND MULTI-USE TRAIL CROSS SLOPES = 1.5% (2.0% MAX.)



TRANSITION FROM TYPICAL SECTION 10 TO TYPICAL SECTION 11 STA. 55+31.90 TO STA. 56+54.57

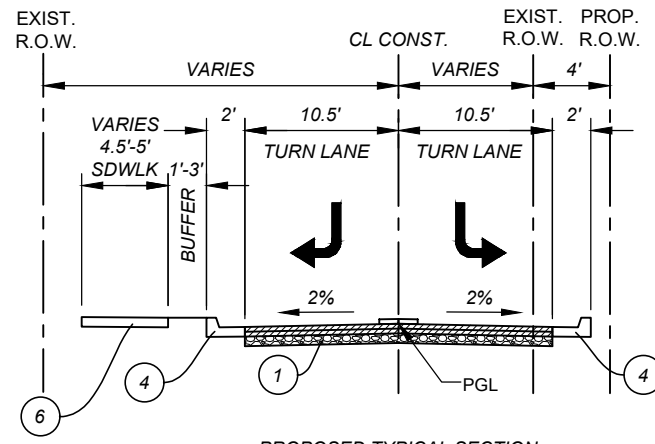


TRANSITION FROM TYPICAL SECTION 9 TO TYPICAL SECTION 10 STA. 51+41.31 TO STA. 54+60.85

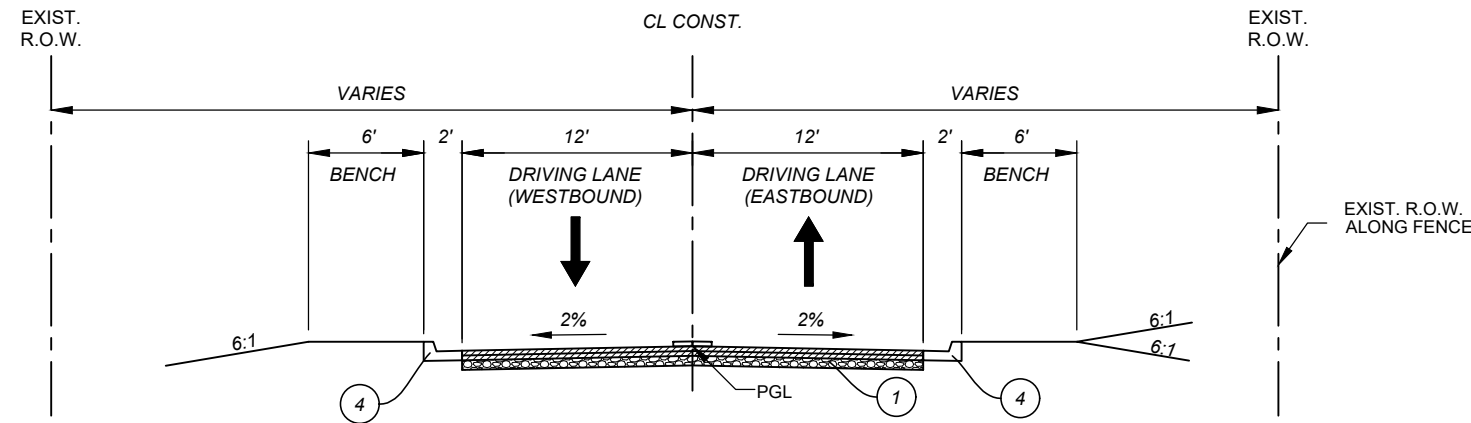
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ARROYO DE LOS CHAMISOS CROSSING PROPOSED TYPICAL SECTIONS

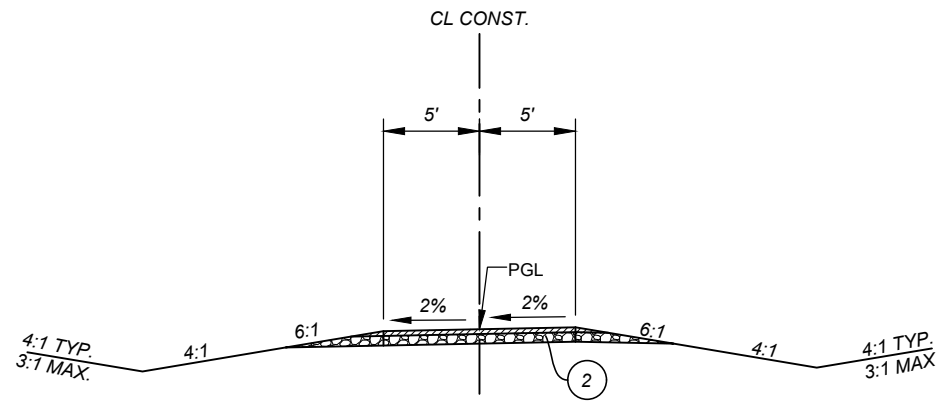
30% DESIGN NOT FOR CONSTRUCTION



PROPOSED TYPICAL SECTION  
SIRINGO RD. WESTBOUND  
STA. 10+20.71 TO STA. 11+61.04



PROPOSED TYPICAL SECTION  
GCCC RD.  
STA. 10+68.64 TO STA. 14+67.00



PROPOSED TYPICAL SECTION  
MULTI-USE TRAIL  
STA. 10+76.43 TO STA. 17+83.07

NOTES

1. SEE SHEET 2-12 FOR PAVEMENT SECTION DETAILS.
2. SEE 7 SERIES STRIPING PLANS FOR ADDITIONAL INFORMATION.

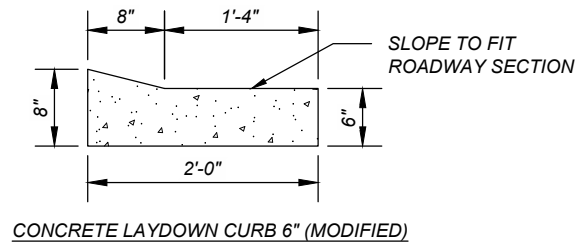
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- \* \* SIDEWALK AND MULTI-USE TRAIL CROSS SLOPES = 1.5% (2.0% MAX.)

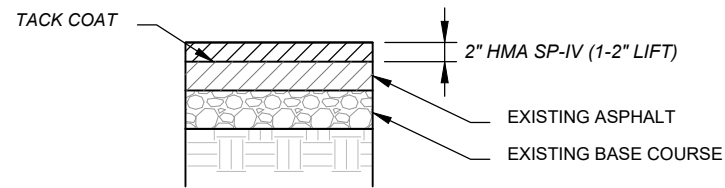
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ARROYO DE LOS CHAMISOS CROSSING  
PROPOSED TYPICAL SECTIONS

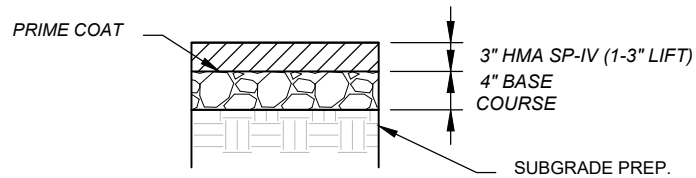
30% DESIGN  
NOT FOR CONSTRUCTION



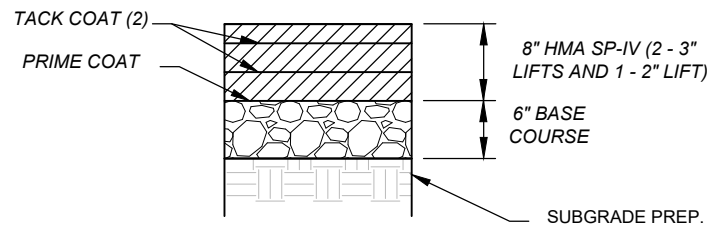
CONCRETE LAYDOWN CURB 6" (MODIFIED)



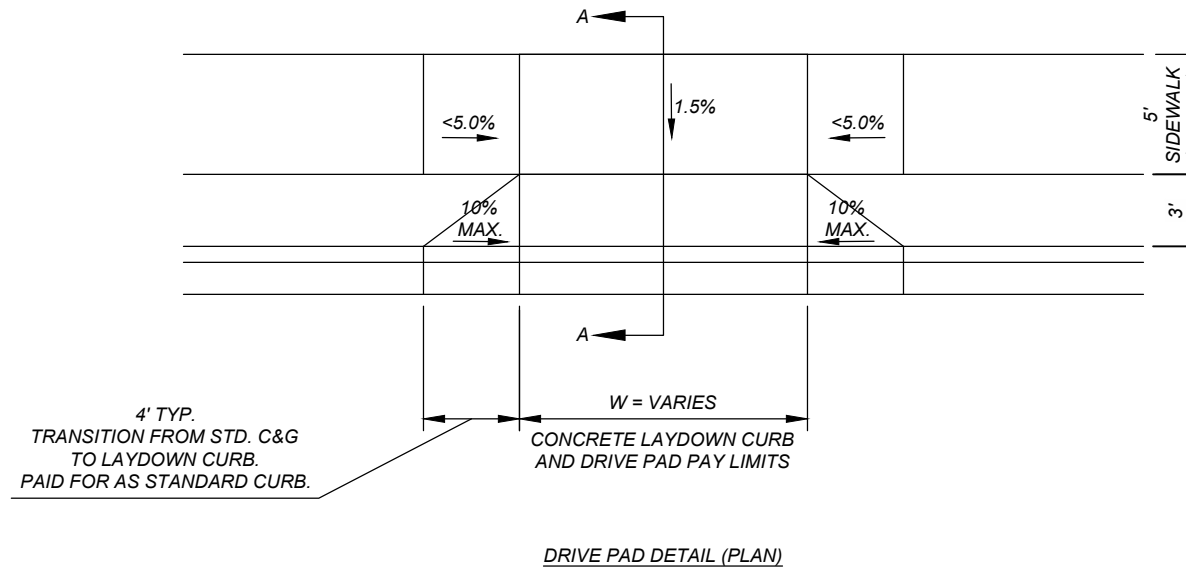
PROPOSED PAVEMENT SECTION 3  
MILL AND INLAY



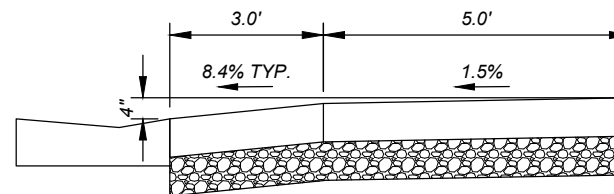
PROPOSED PAVEMENT SECTION 2  
TRAIL



PROPOSED PAVEMENT SECTION 1  
RICHARDS AVE., GCCC RD., SIRINGO RD.



DRIVE PAD DETAIL (PLAN)



DRIVE PAD DETAIL (SECTION A-A)

NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
PROPOSED TYPICAL SECTION DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



ID #	STA. (APPROX)	CORES TAKEN BY YEDOMA		NOTES
		ASPHALT THICKNESS (AUGER)	ASPHALT THICKNESS (PROBING)	
		INCHES	INCHES	
C-01-1	11+75.00	8.00		RICHARDS AVE. NB LANE 5' OFFSET RT
C-01-2	11+75.00		8.00	RICHARDS AVE. NB LANE 5' OFFSET RT
C-02-NORTH	27+97.00		3.40	RICHARDS AVE. SB LANE 11.4' OFFSET LT
C-02-SOUTH	27+95.00	5.80		RICHARDS AVE. SB LANE 11.4' OFFSET LT
C-03	43+90.00		6.30	RICHARDS AVE. NB LANE 5' OFFSET RT
C-04-1	56+06.00	6.00		RICHARDS AVE. NB LANE 2' OFFSET RT
C-04-2	56+06.00		5.60	RICHARDS AVE. NB LANE 2' OFFSET RT
AVERAGE DEPTH		6.53	5.83	
OVERALL AVERAGE		6.18		

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

ARROYO DE LOS CHAMISOS CROSSING  
EXISTING PAVEMENT DATA

30% DESIGN  
NOT FOR CONSTRUCTION



SURFACING SCHEDULE DESCRIPTION	STATION		LENGTH (FT)	SUBGRADE AREA		207000 SUBGRADE PREPARATION		303000 BASE COURSE				423283 HMA SP-IV COMPLETE				PG 64-22 BITUM. MAT. (**)	HYDR. LIME TON
	BEGIN	END		WIDTH (FT.)	AREA (S.Y.)	WIDTH (FT.)	** AREA (S.Y.)	WIDTH (FT.)	DEPTH (IN.)	AREA (S.Y.)	TON	WIDTH (FT.)	DEPTH (IN.)	AREA (S.Y.)	TON		
<b>RICHARDS AVE</b>																	
<b>TYPICAL SECTION #1</b>																	
B.O.P. TAPER TO TURN LANE (FULL RECONSTRUCTION)	11+52.71	12+26.74	74.03	VARIES	41.13	VARIES	41.13	VARIES	6	41.13	12.49	VARIES	8	41.13	18.88	0.94	1.89
END OF TRANSITION TO RODEO RD. (FULL RECONSTRUCTION)	12+26.74	14+80.48	253.74	12	338.32	12.0	338.32	12.0	6	338.32	102.76	12.0	8	338.32	155.29	7.76	15.53
<b>TYPICAL SECTION #2</b>																	
RODEO RD. TO TRANSITION TO TYPICAL SECTION #3 (MILL AND INLAY)	15+54.20	16+97.42	143.22	60	954.80	60.0	954.80					60.0	2	954.80	109.56	5.48	10.96
TRANSITION TO TYPICAL SECTION #3 (MILL AND INLAY)	16+97.42	18+91.22	193.80	VARIES	1,119.62	VARIES	1,119.62					VARIES	2	1,119.62	128.48	6.42	12.85
<b>TYPICAL SECTION #3</b>																	
TO-1 RODEO GROUNDS ENTRANCE TO CAMINO DEL PRADO (MILL AND INLAY)	18+91.22	26+50.00	758.78	46	3,878.21	46.0	3,878.21					46.0	2	3,878.21	445.02	22.25	44.50
TO-1 RODEO GROUNDS ENTRANCE TO CAMINO DEL PRADO (FULL RECONSTRUCTION)	26+50.00	26+97.17	47.17	46	241.09	46.0	241.09	46.0	6	241.09	73.23	46.0	8	241.09	110.66	5.53	11.07
<b>TYPICAL SECTION #4</b>																	
ROUNDAABOUT & APPROACHES	26+50.00	29+92.87	342.87	VARIES	2,150.89	VARIES	2,150.89	VARIES	6	2,150.89	653.33	VARIES	8	2,150.89	987.26	49.36	98.73
TRUCK APRON				11.5	206.78												
<b>TYPICAL SECTION #5</b>																	
BRIDGE #1 TO TRANSITION TO TYPICAL SECTION #7	32+59.77	33+36.92	77.15	34	291.46	34.0	291.46	34.0	6	291.46	88.53	34.0	8	291.46	133.78	6.69	13.38
TRANSITION FROM TYPICAL SECTION #5 TO TYPICAL SECTION #7	33+36.92	35+07.84	170.92	VARIES	764.98	VARIES	764.98	VARIES	6	764.98	232.36	VARIES	8	764.98	351.13	17.56	35.11
END OF TRANSITION TO BRIDGE #2	38+09.09	38+53.86	44.77	34	169.13	34.0	169.13	34.0	6	169.13	51.37	34.0	8	169.13	77.63	3.88	7.76
BRIDGE #2 TO TRANSITION TO TYPICAL SECTION #7	39+13.86	39+33.86	20.00	34	75.56	34.0	75.56	34.0	6	75.56	22.95	34.0	8	75.56	34.68	1.73	3.47
TRANSITION FROM TYPICAL SECTION #5 TO TYPICAL SECTION #7	39+33.86	40+38.86	105.00	VARIES	466.67	VARIES	466.67	VARIES	6	466.67	141.75	VARIES	8	466.67	214.20	10.71	21.42
<b>TYPICAL SECTION #7</b>																	
TYPICAL SECTION	35+07.84	35+67.84	60.00	34	226.67	34.0	226.67	34.0	6	226.67	68.85	34.0	8	226.67	104.04	5.20	10.40
TRANSITION FROM TYPICAL SECTION #7 TO TYPICAL SECTION #5	35+67.84	38+09.09	241.25	VARIES	1,061.66	VARIES	1,061.66	VARIES	6	1,061.66	322.48	VARIES	8	1,061.66	487.30	24.37	48.73
TYPICAL SECTION	40+38.86	41+08.88	70.02	34	264.52	34.0	264.52	34.0	6	264.52	80.35	34.0	8	264.52	121.41	6.07	12.14
TRANSITION FROM TYPICAL SECTION #7 TO TYPICAL SECTION #8	41+08.88	41+99.86	90.98	VARIES	456.59	VARIES	456.59	VARIES	6	456.59	138.69	VARIES	8	456.59	209.57	10.48	20.96
<b>TYPICAL SECTION #8</b>																	
TO-3 WILDFIRE RESPONSE OFFICE ENTRANCE TO CONCRETE PED. CROSSING	41+99.86	43+53.21	153.35	42	715.63	42.0	715.63	42.0	6	715.63	217.37	42.0	8	715.63	328.48	16.42	32.85
CONCRETE PED. CROSSING (SPEED TABLE)	43+53.21	43+76.21	23.00	42	107.33	42.0	107.33	42.0	6	107.33	32.60						
CONCRETE PED. CROSSING TO SIRINGO RD.	43+76.21	45+29.20	152.99	42	713.95	42.0	713.95	42.0	6	713.95	216.86	42.0	8	713.95	327.70	16.39	32.77
TRANSITION FROM TYPICAL SECTION #8 TO TYPICAL SECTION #9	45+29.20	46+57.01	127.81	42	596.45	42.0	596.45	42.0	6	596.45	181.17	42.0	8	596.45	273.77	13.69	27.38
<b>TYPICAL SECTION #9</b>																	
LOURAINE CIR. TO TO-8 SAVERS TRUCK ENTRANCE	46+57.01	51+41.31	484.30	42	2,260.07	42.0	2,260.07	42.0	6	2,260.07	686.50	42.0	8	2,260.07	1,037.37	51.87	103.74
TRANSITION FROM TYPICAL SECTION #9 TO TYPICAL SECTION #10	51+41.31	54+60.85	319.54	VARIES	1,751.90	VARIES	1,751.90	VARIES	6	1,751.90	532.14	VARIES	8	1,751.90	804.12	40.21	80.41
<b>TYPICAL SECTION #10</b>																	
TO-11 DEFINED FITNESS ENTRANCE TO TRANSITION	54+60.85	55+31.90	71.05	57.5	453.93	57.5	453.93	57.5	6	453.93	137.88	57.5	8	453.93	208.35	10.42	20.84
TRANSITION FROM TYPICAL SECTION #10 TO TYPICAL SECTION #11	55+31.90	56+54.57	122.67	VARIES	837.39	VARIES	837.39	VARIES	6	837.39	254.36	VARIES	8	837.39	384.36	19.22	38.44
<b>TYPICAL SECTION #11</b>																	
TO-12 MATTRESS FIRM ENTRANCE TO B.O.P.	56+54.57	58+07.02	152.45	67.5	1,185.98	67.5	1,185.98	67.5	6	1,185.98	360.24	67.5	8	1,185.98	544.36	27.22	54.44
<b>MULTI-USE TRAIL</b>																	
CAMINO DEL PRADO TO ROUNDAABOUT (RT)	27+44.31	28+09.46	65.15	10	72.39	10.0	72.39	10.0	4	72.39	14.66	10.0	3	72.39	12.46	0.62	1.25
CAMINO DEL PRADO TO ROUNDAABOUT (LT)	27+69.07	28+09.46	40.39	VARIES	39.90	VARIES	39.90	VARIES	4	39.90	8.08	VARIES	3	39.90	6.87	0.34	0.69
SOUTHEAST OF ROUNDAABOUT	28+34.46	28+74.49	40.03	10	44.48	10.0	44.48	10.0	4	44.48	9.01	10.0	3	44.48	7.66	0.38	0.77
WEST OF ROUNDAABOUT	28+34.80	29+56.71	121.91	10	135.46	10.0	135.46	10.0	4	135.46	27.43	10.0	3	135.46	23.32	1.17	2.33
NORTH EAST OF ROUNDAABOUT	29+28.45	29+56.90	28.45	10	31.61	10.0	31.61	10.0	4	31.61	6.40	10.0	3	31.61	5.44	0.27	0.54
ROUNDAABOUT TO BRIDGE #1 (LT)	29+82.27	29+92.87	10.60	10	11.78	10.0	11.78	10.0	4	11.78	2.38	10.0	3	11.78	2.03	0.10	0.20
ROUNDAABOUT TO BRIDGE #1 (RT)	29+82.27	29+92.87	10.60	10	11.78	10.0	11.78	10.0	4	11.78	2.38	10.0	3	11.78	2.03	0.10	0.20
BRIDGE #1 TO BRIDGE #2	32+59.77	38+53.86	594.09	10	660.10	10.0	660.10	10.0	4	660.10	133.67	10.0	3	660.10	113.62	5.68	11.36
BRIDGE #2 TO WILDFIRE RESPONSE OFFICE ENTRANCE	39+13.86	41+43.86	230.00	10	255.56	10.0	255.56	10.0	4	255.56	51.75	10.0	3	255.56	43.99	2.20	4.40
WILDFIRE RESPONSE OFFICE ENTRANCE TO SIDEWALK TRANSITION	42+07.86	42+39.19	31.33	10	34.81	10.0	34.81	10.0	4	34.81	7.05	10.0	3	34.81	5.99	0.30	0.60
TRANSITION TO SIDEWALK	42+39.19	42+48.73	9.54	VARIES	9.54	VARIES	9.54	VARIES	4	9.54	1.93	VARIES	3	9.54	1.64	0.08	0.16
MULTIUSE TRAIL WEST (TRAIL CL)	10+76.43	13+92.83	316.40	10	351.56	10.0	351.56	10.0	4	351.56	71.19	10.0	3	351.56	60.51	3.03	6.05
MULTIUSE TRAIL EAST (TRAIL CL)	14+61.83	17+83.07	321.24	10	356.93	10.0	356.93	10.0	4	356.93	72.28	10.0	3	356.93	61.44	3.07	6.14
TRAIL CONNECTION WEST (TRAIL CL)	11+00.61	13+75.34	274.73	10	305.26	10.0	305.26	10.0	4	305.26	61.81	10.0	3	305.26	52.54	2.63	5.25
TRAIL CONNECTION EAST (TRAIL CL)	15+11.93	16+47.22	135.29	10	150.32	10.0	150.32	10.0	4	150.32	30.44	10.0	3	150.32	25.87	1.29	2.59
<b>GCCC RD.</b>																	
ROUNDAABOUT TO E.O.P. (FIRE STATION RD. CL)	11+95.78	14+67.00	271.22	24	723.25	24.0	723.25	24.0	6	723.25	219.69	24.0	8	723.25	331.97	16.60	33.20
<b>SIRINGO RD. (WESTBOUND)</b>																	
RICHARDS AVE. TO TRANSITION	10+21.00	11+28.18	107.18	21	260.95	21.0	260.95	21.0	6	260.95	79.26	21.0	8	260.95	119.78	5.99	11.98
TRANSITION TO EXISTING ROADWAY	11+28.18	11+61.04	32.86	VARIES	593.78	VARIES	593.78	VARIES	6	593.78	180.36	VARIES	8	593.78	272.55	13.63	27.25
<b>PROJECT TOTAL</b>																	
<b>PROJECT USE</b>																	
25,173.4																	
5,600																	
874.1																	
437.4																	
874.7																	



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING SURFACING SCHEDULE

30% DESIGN  
NOT FOR CONSTRUCTION

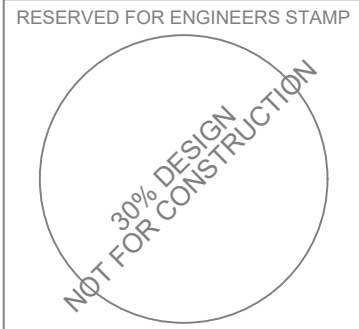




NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
ESTIMATED STRUCTURE QUANTITIES

ESTIMATED PIPE STRUCTURE QUANTITIES					511210	570437	570441	570449	570453	570493	570498	602020	602060	623012	623312	623332	623601	662010	662072	662074
ID	STATION	M.P.	SKEW	DESCRIPTION	S.Y.	L.F.	EACH	L.F.	EACH	L.F.	EACH	C.Y.	S.Y.	EACH	EACH	EACH	EACH	EACH	EACH	EACH
					271	1826	2	602	1	314	1	68	57	2	11	15	2	8	1	1
	SEE STORM DRAIN LAYOUT PLANS IN 10 SERIES																			
				PROJECT TOTAL	271	1826	2	602	1	314	1	68	57	2	11	15	2	8	1	1
				PROJECT USE	300	1900	2	700	1	400	1	100	100	2	11	15	2	8	1	1





TURNOUT SCHEDULE											207000	303000		407000			408100											
TURNOUT #	CL CONST. RICHARDS AVE. STATION	LOC.	TURNOUT CL		SOUTH RADII (FT)	NORTH RADII (FT)	SKEW	WIDTH (L.F.)	LENGTH (L.F.)	AREA (S.Y.)	SUBGRADE PREPARATION	BASE COURSE		ASPHALT MATERIAL FOR TACK COAT			PRIME COAT MATERIAL											
			BEGIN STATION	END STATION							AREA (S.Y.)	AREA (S.Y.)	WEIGHT (TON)	AREA (S.Y.)	# OF COATS	WEIGHT (TON)	AREA (S.Y.)	WEIGHT (TON)										
TO-1	18+54.27	RT	10+00.00	10+49.39	25	25	90.00	24	49.39	99	99	99	30.17	99	2	0.37	99	0.03										
TO-2	27+28.42	LT	9+32.79	10+00.00	20	20	89.01	24	67.21	109	109	109	33.11	109	2	0.41	109	0.04										
TO-3	41+75.86	RT	10+00.00	10+87.45	15	15	90.00	18	87.45	142	142	142	43.02	142	2	0.53	142	0.05										
TO-4	43+84.59	RT	10+00.00	10+48.51	8	17	90.00	16	48.51	51	51	51	15.51	51	2	0.19	51	0.02										
TO-5	43+91.21	LT	9+48.00	10+00.00	17	17	90.00	30	52.00	110	110	110	33.48	110	2	0.41	110	0.04										
TO-6	47+58.41	RT	10+00.00	10+42.77	17	17	90.00	30	42.77	89	89	89	27.10	89	2	0.33	89	0.03										
TO-7	49+82.40	RT	10+00.00	10+43.55	17	17	90.00	30	43.55	89	89	89	27.02	89	2	0.33	89	0.03										
TO-8	51+66.06	RT	10+00.00	10+36.50	17	13	90.00	15	36.50	37	37	37	11.10	37	2	0.14	37	0.01										
TO-9	52+62.18	LT	9+45.58	10+00.00	17	15	90.00	30	54.42	101	101	101	30.60	101	2	0.38	101	0.03										
TO-10	54+20.68	RT	10+00.00	10+52.25	25	24	90.00	30	52.25	118	118	118	35.91	118	2	0.44	118	0.04										
TO-11	54+21.14	LT	9+55.50	10+00.00	15	20	90.00	30	44.50	81	81	81	24.61	81	2	0.30	81	0.03										
TO-12	56+21.61	LT	9+55.28	10+00.00	15	15	90.00	27	44.72	60	60	60	18.35	60	2	0.23	60	0.02										
PROJECT TOTAL:											1,086		329.97															
PROJECT USE:											1,100		400															

TURNOUT SCHEDULE											416207					REMARKS			
TURNOUT #	CL CONST. RICHARDS AVE. STATION	LOC.	TURNOUT CL		SOUTH RADII (FT)	NORTH RADII (FT)	SKEW	WIDTH (L.F.)	LENGTH (L.F.)	AREA (S.Y.)	MINOR PAVING TYPE II, HMA SP-IV		PG 64-22 BITUM. MAT.	HYDR. LIME					
			BEGIN STATION	END STATION							DEPTH (IN)	AREA (S.Y.)	WEIGHT (TON)	WEIGHT (TON) *	WEIGHT (TON) *				
TO-1	18+54.27	RT	10+00.00	10+49.39	25	25	90.00	24	49.39	99	8.0	99	45.59	0.46	0.46	RODEO GROUNDS ENTRANCE			
TO-2	27+28.42	LT	9+32.79	10+00.00	20	20	89.01	24	67.21	109	8.0	109	50.03	0.50	0.50	CAM DEL PRADO			
TO-3	41+75.86	RT	10+00.00	10+87.45	15	15	90.00	18	87.45	142	8.0	142	65.01	0.65	0.65	WILDFIRE RESPONSE OFFICE ENTRANCE			
TO-4	43+84.59	RT	10+00.00	10+48.51	8	17	90.00	16	48.51	51	8.0	51	23.43	0.23	0.23	SIRINGO RD. EAST			
TO-5	43+91.21	LT	9+48.00	10+00.00	17	17	90.00	30	52.00	110	8.0	110	50.59	0.51	0.51	SIRINGO RD. WEST			
TO-6	47+58.41	RT	10+00.00	10+42.77	17	17	90.00	30	42.77	89	8.0	89	40.95	0.41	0.41	LOURAINE CIR.			
TO-7	49+82.40	RT	10+00.00	10+43.55	17	17	90.00	30	43.55	89	8.0	89	40.83	0.41	0.41	LOURAINE ST.			
TO-8	51+66.06	RT	10+00.00	10+36.50	17	13	90.00	15	36.50	37	8.0	37	16.77	0.17	0.17	SAVERS TRUCK ENTRANCE			
TO-9	52+62.18	LT	9+45.58	10+00.00	17	15	90.00	30	54.42	101	8.0	101	46.24	0.46	0.46	JAMES ST.			
TO-10	54+20.68	RT	10+00.00	10+52.25	25	24	90.00	30	52.25	118	8.0	118	54.26	0.54	0.54	WALGREENS ENTRANCE			
TO-11	54+21.14	LT	9+55.50	10+00.00	15	20	90.00	30	44.50	81	8.0	81	37.19	0.37	0.37	DEFINED FITNESS ENTRANCE			
TO-12	56+21.61	LT	9+55.28	10+00.00	15	15	90.00	27	44.72	60	8.0	60	27.73	0.28	0.28	MATTRESS FIRM ENTRANCE			
PROJECT TOTAL:													499	4.99	4.99				
PROJECT USE:													500						

NOTES:

- SEE SURFACING SCHEDULE FOR ADDITIONAL QUANTITIES.
- SEE ROADWAY PLANS (3 SERIES)
- \* FOR CONTRACTOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES

30% DESIGN  
NOT FOR CONSTRUCTION





EARTHWORK								
STATION	TO	STATION	ITEM NO. 203000 UNCLASSIFIED EXCAVATION (C.Y.)	ITEM NO. 203200 UNSUITABLE MATERIAL EXCAVATION* (C.Y.)	EMBANKMENT (C.Y.)	NET (C.Y.)	ITEM NO. 203100 BORROW (C.Y.)	REMARKS
RICHARDS AVE.								
B.O.P.		E.O.P.	4,000	400	23,400	-19,400	19,400	
PROJECT TOTAL			4,000	400			19,400	
PROJECT USE			4,000	400			20,000	

NOTES:

1. NO PAYMENT WILL BE MADE FOR DOUBLE HANDLING FOR EXCESS MATERIAL USED AS EMBANKMENT WITHIN THE SAME CONSTRUCTION PHASE.
  2. EMBANKMENT MATERIAL REQUIRED TO REPLACE EXCAVATED UNSUITABLE MATERIAL SHALL BE INCLUDED IN THE COST OF UNSUITABLE MATERIAL EXCAVATION.
  3. REFER TO 5 SERIES FOR MAJOR STRUCTURE EXCAVATION AND BACKFILL QUANTITIES.
- \* ESTIMATED AT 10% OF THE QUANTITY FOR ITEM 203000 UNCLASSIFIED EXCAVATION.

ITEM NO. 601110 REMOVAL OF SURFACING						
DESCRIPTION	STATION	STATION	LENGTH FT.	WIDTH FT.	APPROX. DEPTH IN.	AREA (S.Y.)
RICHARDS AVE.						
B.O.P. TO RODEO RD.	11+68.59	14+80.48	360.00	VARIES	12	40
CAMINO DEL PRADO TO GCCC RD.	26+50.00	29+09.18	259.18	VARIES	12	1,366
ARROYO DE LOS CHAMISOS TO E.O.P.	42+56.39	58+06.08	1,549.69	VARIES	12	7,908
RICHARDS AVE. SIDE STREETS AND TURNOUTS						
RODEO GROUNDS ENTRANCE	18+17.25	18+81.32	64.07	VARIES	12	94
CAM DEL PRADO	26+98.85	27+46.28	47.43	VARIES	12	130
SIRINGO RD. EAST	43+60.81	44+09.03	48.22	VARIES	12	64
SIRINGO RD. WEST	43+61.57	44+21.91	60.34	VARIES	12	112
LOURAINE CIR.	47+31.37	47+85.77	54.40	VARIES	12	82
LOURAINE ST.	49+60.75	50+24.06	63.31	VARIES	12	86
TO-8	51+45.44	51+85.03	39.59	VARIES	12	33
JAMES ST.	52+36.69	52+85.95	49.26	VARIES	12	93
TO-10	53+80.71	54+64.12	83.41	VARIES	12	137
TO-11	53+90.72	54+60.37	69.65	VARIES	12	111
TO-12	55+92.42	56+58.83	66.41	VARIES	12	80
SIRINGO RD.						
RICHARDS AVE. TO TIE*	10+21.38	11+61.04	139.66	VARIES	12	277
GCCC RD.						
RICHARDS AVE. TO TIE**	10+74.23	14+67.00	392.77	VARIES	12	1,054
PROJECT TOTAL						10,262
PROJECT USE						10,300

NOTES:

- \* SIRINGO RD CENTERLINE ALIGNMENT
  - \*\* GCCC RD. CENTERLINE ALIGNMENT
- REFER TO THE EXISTING PAVEMENT DATA ON SHEET 2-13 FOR MORE INFORMATION.

LUMP SUM & CONSTRUCTION ENGINEERING ITEMS			
ITEM NO.	DESCRIPTION	UNITS	PROJECT TOTAL
107000	ENVIRONMENTAL COMMITMENTS	LS	LS
201000	CLEARING AND GRUBBING	LS	LS
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	LS
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	LS	LS
613000	CLEANING CULVERTS AND DRAINAGE STRUCTURES	LS	LS
618000	TRAFFIC CONTROL MANAGEMENT	LS	LS
618011	PUBLIC AWARENESS	LS	LS
621000	MOBILIZATION	LS	LS
663049	PRECONSTRUCTION UTILITY SURVEY	LS	LS
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS	LS
802000	POST CONSTRUCTION PLANS	LS	LS

ITEM NO. 417000 MISCELLANEOUS PAVING					
DESCRIPTION	STATION	LENGTH FT.	WIDTH FT.	APPROX. DEPTH IN.	AREA (S.Y.)
RICHARDS AVE.					
SPEED HUMP	35+37.84	14.00	42.0	3	121
SPEED HUMP	40+68.86	14.00	42.0	3	121
SPEED HUMP	48+26.61	14.00	42.0	3	121
SPEED HUMP	50+37.40	14.00	42.0	3	121
SUBTOTAL					121
PROJECT USE					200

NOTE: REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2413 FOR SPEED HUMP DETAILS.

30% DESIGN  
NOT FOR CONSTRUCTION

4	3	2	1	NO.
				DESCRIPTION
				DATE
				BY

ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES



NO.	1	DATE	
NO.	2	DATE	
NO.	3	DATE	
NO.	4	DATE	

ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES

ITEM NO. 607079 PEDESTRIAN / BICYCLE RAILING				
DESCRIPTION	STATION	STATION	LOC.	LENGTH (L.F.)
<b>RICHARDS AVE.</b>				
WEST OF ROUNDABOUT	28+09.46	28+92.81	LT.	205.80
NORTH OF ROUNDABOUT	29+08.05	29+92.87	LT.	177.71
EAST OF ROUNDABOUT	29+92.62	29+42.51	RT.	87.14
PROJECT TOTAL				470.65
PROJECT USE				480

ITEM NO. 608020 SIDEWALK CULVERT (SINGLE)							
DESCRIPTION	STATION	STATION	LOC.	WIDTH FT.	LENGTH * FT.	AREA (S.Y.)	
<b>RICHARDS AVE.</b>							
SOUTH OF TO-8	51+34.46	51+36.46	RT.	8	2	2	
SOUTH OF TO-8	51+37.13	51+39.13	RT.	8	2	2	
PROJECT TOTAL						4	
PROJECT USE						10	

ITEM NO. 608404 CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)			
STATION	STATION	LOCATION	AREA (S.Y.)
15+86.95	17+16.51	MEDIAN	44
20+43.95	23+53.10	MEDIAN	53
23+53.18	24+08.09	MEDIAN	53
27+86.16	28+15.96	MEDIAN	19
28+28.96	28+77.37	MEDIAN	17
27+77.37	29+14.32	MEDIAN	119
28+96.02	29+08.53	MEDIAN	18
28+98.98	29+08.68	MEDIAN	50
29+49.23	29+62.77	MEDIAN	12
29+75.77	29+83.59	MEDIAN	2
35+03.34	35+72.34	MEDIAN	67
40+34.36	41+39.21	MEDIAN	95
46+53.83	46+80.03	LT.	3
50+84.99	51+14.99	LT.	19
52+86.68	53+46.48	MEDIAN	44
54+55.21	56+54.57	MEDIAN	53
PROJECT TOTAL			669
PROJECT USE			670

ITEM NO. 608004 CONCRETE SIDEWALK 4"						
DESCRIPTION	STATION	STATION	LOC.	WIDTH FT.	LENGTH FT.	AREA (S.Y.)
B. O.P. TO RODEO DR.	11+68.59	14+80.48	RT.	VARIES	360.00	240
RODEO DR. INTERSECTION NE	15+63.93	15+99.05	RT.	VARIES	40.12	23
RODEO DR. INTERSECTION NW	15+78.86	15+99.83	LT.	VARIES	25.97	15
RODEO RD. TO RODEO GROUNDS ENTRANCE	15+53.04	18+32.73	RT.	6	279.69	198
NORTH OF RODEO RD. PED RAMP	15+65.30	15+88.92	LT.	VARIES	23.62	20
RODEO GROUNDS ENTRANCE TO ROUND-A-BOUT	18+75.73	27+44.31	RT.	6	868.58	575
SOUTH OF CAMINO DEL PRADO	26+77.75	27+13.29	LT.	VARIES	35.54	39
NORTH OF CAMINO DEL PRADO PED RAMP	27+43.13	27+83.38	LT.	VARIES	40.25	41
NORTH OF CAMINO DEL PRADO BIKE RAMP	27+47.65	27+69.07	LT.	VARIES	21.42	12
RICHARDS AVE. PED RAMP	28+09.46	28+34.46	RT.	VARIES	25.00	33
RICHARDS AVE. PED RAMP	28+09.46	28+38.44	LT.	VARIES	28.98	36
FIRE STATION RD. PED RAMP	28+65.50	28+81.22	RT.	VARIES	15.72	22
FIRE STATION RD. PED RAMP	29+25.12	29+38.40	RT.	VARIES	13.28	36
RICHARDS AVE. PED RAMP	29+52.44	29+82.27	RT.	VARIES	29.83	38
RICHARDS AVE. PED RAMP	29+52.57	29+82.27	LT.	VARIES	29.70	38
BRIDGE #1 TO BRIDGE #2	32+59.77	38+53.86	LT.	6	594.09	394
BRIDGE #2 TO DP-02	39+13.86	42+66.08	LT.	VARIES	352.22	242
SOUTH OF WILDFIRE RESPONSE OFFICE ENTRANCE	41+43.86	41+64.51	RT.	VARIES	20.65	20
NORTH OF WILDFIRE RESPONSE OFFICE ENTRANCE	41+87.21	42+07.86	RT.	VARIES	20.65	20
END OF TRAIL TO DP-01	42+48.73	42+63.24	RT.	8	14.51	13
DP-01 TO DP-03	42+73.24	43+41.48	RT.	8	68.24	60
DP-02 TO SIRINGO RD. WEST	42+76.08	43+74.21	LT.	VARIES	98.13	95
DP-03 TO SIRINGO RD. EAST	43+52.48	43+74.59	RT.	VARIES	22.11	29
SIRINGO RD. EAST TO SIRINGO RD.	43+94.59	44+74.16	RT.	8	79.57	73
SIRINGO RD. WEST TO DP-04	44+08.26	44+71.53	LT.	VARIES	63.27	64
DP-04 TO DP-05	44+87.53	45+54.16	LT.	8	66.63	57
SIRINGO RD. TO DP-07	45+00.18	45+91.09	RT.	VARIES	90.91	86
DP-05 TO DP-06	45+64.80	45+82.15	LT.	8	17.35	14
DP-06 TO DP-09	45+92.78	47+08.53	LT.	8	115.75	98
DP-07 TO DP-08	46+17.51	46+25.64	RT.	8	08.13	7
DP-08 TO LOURAIN ST.	46+38.85	47+42.71	RT.	VARIES	103.86	102
DP-09 TO DP-10	47+19.16	47+85.28	LT.	VARIES	66.12	52
LOURAIN ST. TO LOURAIN ST.	47+74.11	49+75.40	RT.	VARIES	201.29	194
DP-10 TO DP-11	48+04.42	48+75.19	LT.	8	70.77	59
DP-11 TO DP-12	48+87.95	49+02.42	LT.	8	14.47	11
DP-12 TO DP-13	49+15.18	49+75.76	LT.	8	60.58	52
DP-13 TO DP-14	49+85.46	50+59.92	LT.	VARIES	74.46	62
LOURAIN ST. TO-08	50+09.40	51+54.58	RT.	VARIES	145.18	128
DP-14 TO DP-15	50+79.92	51+28.45	LT.	8	48.53	42
DP-15 TO JAMES ST.	51+40.45	52+45.18	LT.	VARIES	104.73	103
TO-08 TO EXISTING	51+76.23	52+09.98	RT.	6	33.75	29
JAMES ST. TO-11	52+81.23	54+04.14	LT.	VARIES	122.91	94
TO-11 TO TO-12	54+38.87	56+06.30	LT.	8	167.43	150
TO-10 TO CERRILLOS RD.	54+38.80	58+03.23	RT.	VARIES	364.43	322
TO-12 TO CERRILLOS RD.	56+36.99	57+96.63	LT.	8	159.64	147
PROJECT TOTAL						4,185
PROJECT USE						4,190

30% DESIGN  
NOT FOR CONSTRUCTION

ITEM NO. 609200 HEADER CURB				
DESCRIPTION	STATION	STATION	LOC.	LENGTH (L.F.)
<b>RICHARDS AVE.</b>				
NORTH OF TO-1 (RODEO GROUNDS ENTRANCE)	18+99.73	24+00.00	RT.	300
PROJECT TOTAL				300
PROJECT USE				300

ITEM NO. 609636 CONCRETE VALLEY GUTTER 6" X 36"				
DESCRIPTION	STATION	STATION	LOC.	LENGTH (L.F.)
CAMINO DEL PRADO	27+05.58	27+45.32	LT.	40
PROJECT TOTAL				40
PROJECT USE				40

ITEM NO. 609205 CONCRETE CUT OFF WALL				
DESCRIPTION	STATION	STATION	LOC.	LENGTH FT.
<b>RICHARDS AVE.</b>				
CUT OFF WALL	56+54.57	57+66.21	RT.	111.65
PROJECT TOTAL				111.65
PROJECT USE				120.00

DRIVE PADS					
DP-#	STATION	WIDTH (FT)	LOC.	ITEM NO. 608106 DRIVE PAD 6"	ITEM NO. 609706 CONCRETE LAYDOWN CURB 6"
				(S.Y.)	(L.F.)
<b>RICHARDS AVE.</b>					
DP-01	42+68.24	10.0	RT.	10.22	18.0
DP-02	42+71.08	10.0	LT.	10.22	18.0
DP-03	43+46.98	11.0	RT.	11.10	19.0
DP-04	44+79.53	16.0	LT.	15.56	24.0
DP-05	45+59.48	10.0	LT.	10.22	18.0
DP-06	45+87.46	10.0	LT.	10.22	18.0
DP-07	46+04.30	28.0	RT.	26.22	36.0
DP-08	46+32.24	14.0	RT.	13.79	22.0
DP-09	47+13.85	10.0	LT.	10.22	18.0
DP-10	47+94.85	18.0	LT.	17.28	26.0
DP-11	48+81.57	12.0	LT.	11.99	20.0
DP-12	49+08.80	12.0	LT.	11.99	20.0
DP-13	49+80.46	10.0	LT.	10.22	18.0
DP-14	50+69.92	20.0	LT.	19.11	28.0
DP-15	51+34.45	12.0	LT.	12.00	20.0
PROJECT TOTAL				200	322.96
PROJECT USE				210	330



NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES

30% DESIGN  
NOT FOR CONSTRUCTION



CURB AND GUTTER SCHEDULE DESCRIPTION	STATION	STATION	LOC.	ITEM NO. 609424 CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"	ITEM NO. 609478 CONCRETE VERTICAL CURB AND GUTTER TYPE D 6" X 18"	ITEM NO. 609380 CONCRETE SLOPED CURB AND GUTTER 8" X 30"
				L.F.	L.F.	L.F.
<b>RICHARDS AVE.</b>						
B.O.P. TO RODEO RD.	11+68.59	14+80.48	RT.	360.00		
SOUTH OF RODEO GROUNDS ENTRANCE	18+09.25	18+40.89	RT.	45.18		
RODEO GROUNDS ENTRANCE TO ROUNDABOUT	18+67.56	28+89.90	RT.	1,065.95		
SOUTH OF CAMINO CIELO VISTA	20+43.28	20+99.62			124.46	
NORTH OF CAMINO CIELO VISTA	23+52.43	24+08.76			124.61	
SOUTH OF CAMINO DEL PRADO	29+35.72	30+05.12	LT.	99.88		
CAMINO DEL PRADO TO BRIDGE #1	27+42.90	29+92.87	LT.	305.87		
SOUTH OF ROUNDABOUT MEDIAN APPROACH #1	27+85.51	28+16.63			74.22	
SOUTH OF ROUNDABOUT MEDIAN APPROACH #2	28+28.30	28+44.04			55.55	
ROUNDABOUT MOUNTABLE CURB	28+63.19	29+28.50				205.25
ROUNDABOUT ISLAND	28+76.70	29+14.98			120.43	
EAST OF ROUNDABOUT MEDIAN APPROACH #1	28+94.51	29+09.28	RT.		56.38	
EAST OF ROUNDABOUT MEDIAN APPROACH #2	28+98.20	29+09.32	RT.		132.15	
NORTH EAST OF ROUNDABOUT	29+23.67	29+92.87	RT.	95.04		
NORTH OF ROUNDABOUT MEDIAN APPROACH #1	29+47.60	29+63.43			49.08	
NORTH OF ROUNDABOUT MEDIAN APPROACH #2	29+75.10	29+84.26			24.71	
BRIDGE #1 TO BRIDGE #2	32+59.77	38+53.86	RT.	599.06		
BRIDGE #1 TO BRIDGE #2	32+59.77	38+53.86	LT.	591.09		
BETWEEN BRIDGE #1 AND BRIDGE #2	35+02.67	35+73.00			152.46	
BRIDGE #2 TO WILDFIRE RESPONSE OFFICE ENTRANCE	39+13.86	41+65.53	RT.	265.03		
BRIDGE #2 TO DP-02	39+13.86	42+62.08	LT.	343.12		
BETWEEN BRIDGE #2 AND WILDFIRE RESPONSE OFFICE ENTRANCE	40+33.69	41+39.88			221.04	
WILDFIRE RESPONSE OFFICE ENTRANCE TO DP-01	41+86.20	42+59.24	RT.	80.61		
DP-01 TO DP-03	42+77.24	43+37.48	RT.	60.24		
DP-03 TO SIRINGO RD EAST	43+56.48	43+75.25	RT.	38.23		
DP-01 TO SIRINGO RD WEST	42+80.08	43+74.88	LT.	117.74		
SIRINGO RD EAST TO SIRINGO RD.	43+93.92	44+74.83	RT.	109.06		
SIRINGO RD WEST TO DP-04	44+07.54	44+67.53	LT.	82.93		
DP-04 TO DP-05	44+91.53	45+50.07	LT.	57.65		
SIRINGO RD. TO DP-07	44+98.59	45+87.04	RT.	100.08		
DP-05 TO DP-06	45+68.88	45+78.06	LT.	8.78		
DP-06 TO DP-09	45+96.87	47+04.44	LT.	102.96		
DP-07 TO DP-08	46+21.57	46+21.70	RT.	0.14		
DP-08 TO LOURAINNE CIR.	46+42.79	47+43.32	RT.	118.81		
SOUTH OF LOURAINNE CIR.	46+53.14	46+80.71	LT.		61.77	
DP-09 TO DP-10	47+23.25	47+81.27	LT.	55.52		
LOURAINNE CIR. TO LOURAINNE ST.	47+73.50	49+76.06	RT.	239.57		
DP-10 TO DP-11	48+08.44	48+71.12	LT.	59.99		
DP-11 TO DP-12	48+92.02	48+98.35	LT.	6.06		
DP-12 TO DP-13	49+19.25	49+71.46	LT.	51.47		
DP-13 TO DP-14	49+89.46	50+55.92	LT.	66.45		
LOURAINNE ST. TO TO-8	50+08.73	51+56.98	RT.	170.26		
DP-14 TO DP-15	50+83.92	51+24.45	LT.	40.54		
NORTH OF LOURAINNE ST.	50+84.33	51+15.65	LT.		71.04	
DP-15 TO JAMES ST.	51+44.45	52+45.85	LT.	124.05		
TO-8 TO TO-10	51+75.14	54+04.33	RT.	249.59		
JAMES ST. TO TO-11	52+78.52	54+04.81	LT.	155.92		
NORTH OF JAMES ST	52+86.52	53+96.48			459.98	
TO-11 TO TO-12	54+37.48	56+06.88	LT.	192.23		
TO-10 TO CERRILLOS RD.	54+38.14	58+04.55	RT.	394.51		
SOUTH OF CERRILLOS RD.	54+53.87	57+77.21			651.12	
TO-12 TO CERRILLOS RD.	56+36.32	58+07.11	LT.	213.79		
<b>GCCC RD.</b>						
ROUNDABOUT TO EXISITNG ROAD	10+64.75	14+67.00	LT.	400.61		
ROUNDABOUT TO EXISITNG ROAD	10+93.20	146+78.00	RT.	376.31		
<b>SIRINGO RD.</b>						
RICHARDS AVE. TO EXISITNG ROAD	10+30.71	11+61.11	RT.	136.16		
RICHARDS AVE. TO EXISITNG ROAD	10+38.32	10+73.54	LT.	35.22		
<b>TOTAL</b>				<b>7,615.66</b>	<b>2,378.98</b>	<b>205.25</b>
<b>PROJECT USE</b>				<b>7,700</b>	<b>2,400</b>	<b>300</b>



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES

30% DESIGN  
NOT FOR CONSTRUCTION

FOR CONTRACTOR INFORMATION ONLY  
 ITEM NO. 601000 (LUMP SUM)  
 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	OFFSET	STATION	OFFSET		DESCRIPTION	CURB & GUTTER	FENCE	CONCRETE DRIVEPAD	SIDEWALK	DROP INLET	SIDEWALK CULVERT	CONCRETE VALLEY GUTTER	SIGNAL MASTARM	SIGNAL PED. POLE	METAL PED RAILING
						L.F.	L.F.	S.Y.	S.Y.	EACH	L.F.	L.F.	EACH	EACH	L.F.
<b>CL CONSTRUCTION RICHARDS AVE.</b>															
11+62.00		14+27.52		RT	PEDESTRIAN RAILING										266
11+62.00		14+27.52		RT	SIDEWALK				178.00						
11+62.00		14+27.52		RT	CURB AND GUTTER	266.00									
14+38.82				RT	SIGNAL PEDESTAL POLE									1	
14+68.08				LT	SIGNAL PEDESTAL POLE									1	
14+68.80				LT	SIGNAL MASTARM								1		
15+52.30	68.28	15+51.04	286.52	LT	CURB AND GUTTER	223.74									
15+75.70	35.38	15+52.38	63.25	LT	CURB AND GUTTER	55.57									
18+09.25	25.62	18+41.52	48.7	RT	CURB AND GUTTER	43.15									
18+67.93	46.48	28+82.01	73.68	RT	CURB AND GUTTER	1,042.65									
22+90.55	29.13	15+80.63	345.73	LT	CURB AND GUTTER	730.09									
23+06.74	60.62	23+00.86	33.12	LT	CURB AND GUTTER	28.78									
23+40.69	48.20	23+36.55	56.66	LT	CURB AND GUTTER	39.18									
27+03.15	118.02	23+44.57	29.68	LT	CURB AND GUTTER	15.52									
29+08.55	74.06	27+26.46	131.24	RT, LT	CURB AND GUTTER	323.82									
42+57.56	23.34	43+75.34	73.65	RT	CURB AND GUTTER	161.52									
43+74.94	70.51	42+59.61	23.05	LT	CURB AND GUTTER	151.97									
43+93.98	69.39	44+84.95	126.96	RT	CURB AND GUTTER	195.28									
44+99.08	161.97	45+55.52	259.04	RT	CURB AND GUTTER	118.98									
45+03.90	124.35	47+45.19	89.95	RT	CURB AND GUTTER	401.59									
47+72.89	84.09	49+77.36	73.17	RT	CURB AND GUTTER	308.04									
50+05.75	90.89	51+56.30	69.84	RT	CURB AND GUTTER	250.85									
51+78.16	69.06	54+00.44	34.85	RT	CURB AND GUTTER	286.25									
52+45.93	101.39	44+07.60	70.98	LT	CURB AND GUTTER	932.83									
54+03.82	42.80	54+22.51	151.38	RT	CURB AND GUTTER	111.18									
54+09.79	98.30	52+78.42	100.22	LT	CURB AND GUTTER	206.91									
54+38.47	43.87	57+36.56	78.82	RT	CURB AND GUTTER	348.20									
54+41.22	36.41	58+04.69	50.14	RT	CURB AND GUTTER	382.46									
54+57.57	148.61	54+67.87	105.11	RT	CURB AND GUTTER	51.31									
56+06.13	35.25	54+40.42	35.57	LT	CURB AND GUTTER	176.95									
58+06.57	58.25	56+36.40	43.25	LT	CURB AND GUTTER	191.41									
10+90.11	38.77	14+67.66	102.62	RT	SIDEWALK				1689.73						
14+57.87	230.89	10+74.38	41.00	LT	SIDEWALK				311.35						
14+60.53	245.90	14+61.80	266.93	LT	CONCRETE VALLEY GUTTER						21.05				
14+69.29	246.81			RT	CURB DROP INLET					1					
15+50.27	277.18			LT	CURB DROP INLET					1					
15+52.07	248.18			RT	CURB DROP INLET					1					
15+56.61	90.06	18+17.58	31.09	RT	SIDEWALK				177.26						
23+05.97	56.27	15+55.14	359.68	LT	SIDEWALK				697.75						
26+98.17	117.65	23+40.91	56.23	LT	SIDEWALK				272.00						
27+14.50	25.70	27+40.97	25.25	LT	CONCRETE VALLEY GUTTER						26.47				
27+64.13	31.76	27+31.05	132.79	LT	SIDEWALK				66.18						
28+31.85	24.24			RT	CURB DROP INLET					1					
28+35.59	22.05			LT	CURB DROP INLET					1					
29+90.41	680.22	30+70.65	828.33	RT	SIDEWALK				128.31						
32+88.90	77.42	33+62.57	81.79	RT	FENCE		173.65								
38+72.27	11.64	38+98.08	9.78	RT	CONCRETE BOX CULVERT										
42+59.24	23.00	42+77.24	23.00	RT	DRIVE PADS			10.72							
<b>SHEET SUBTOTAL</b>						7,044.21	173.65	10.72	3,520.59	5	0.00	47.52	1	2	266.00



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ARROYO DE LOS CHAMISOS CROSSING  
 MISCELLANEOUS QUANTITIES

30% DESIGN  
 NOT FOR CONSTRUCTION

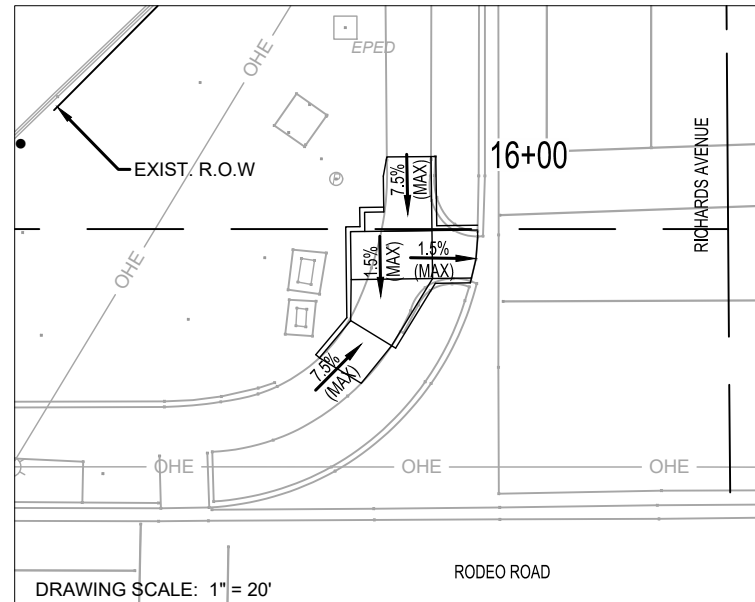


FOR CONTRACTOR INFORMATION ONLY															
ITEM NO. 601000 (LUMP SUM)															
REMOVAL OF STRUCTURES AND OBSTRUCTIONS															
STATION	OFFSET	STATION	OFFSET		DESCRIPTION	CURB & GUTTER	FENCE	CONCRETE DRIVEPAD	SIDEWALK	DROP INLET	SIDEWALK CULVERT	CONCRETE VALLEY GUTTER	SIGNAL MASTARM	SIGNAL PED. POLE	METAL PED RAILING
42+78.91	23.00	42+63.16	23.00	LT	DRIVE PADS			8.20							
43+00.52	24.08			LT	CURB DROP INLET					1					
43+37.48	23.00	43+56.48	23.00	RT	DRIVE PADS			12.81							
43+65.85	22.35	44+15.84	22.68	LT	CONCRETE VALLEY GUTTER							43.93			
43+72.90	31.88	42+56.40	26.81	LT	SIDEWALK				62.88						
43+93.98	69.39			RT	CURB DROP INLET					1					
43+94.59	34.89	44+77.77	34.98	RT	SIDEWALK				682.29						
44+28.77	22.89			LT	CURB DROP INLET					1					
44+43.72	22.87			LT	CURB DROP INLET					1					
44+44.08	22.06			RT	CURB DROP INLET					1					
44+614.63	21.68			RT	CURB DROP INLET					1					
44+91.53	23.00	44+67.53	23.00	LT	DRIVE PADS			15.56							
44+93.18	44.91			RT	CURB DROP INLET					1					
45+00.29	32.73	47+41.30	31.61	RT	SIDEWALK				206.07						
45+68.90	23.00	45+50.06	23.00	LT	DRIVE PADS			10.27							
45+87.06	23.00	46+21.55	23.00	RT	DRIVE PADS			26.41							
45+96.88	23.00	45+78.05	23.00	LT	DRIVE PADS			10.21							
46+21.71	23.00	46+42.78	23.00	RT	DRIVE PADS			13.60							
47+23.26	23.00	47+04.43	23.00	LT	DRIVE PADS			10.20							
47+36.80	24.35	47+80.67	23.85	RT	CONCRETE VALLEY GUTTER							45.90			
47+75.34	32.08	49+73.99	31.66	RT	SIDEWALK				133.74						
48+08.45	23.00	47+81.25	23.00	LT	DRIVE PADS			17.63							
48+92.03	23.00	48+71.11	23.00	LT	DRIVE PADS			11.89							
49+19.26	23.00	48+98.33	23.00	LT	DRIVE PADS			11.98							
49+69.08	24.14	50+14.68	23.40	RT	CONCRETE VALLEY GUTTER							46.61			
49+89.46	23.00	49+71.46	23.00	LT	DRIVE PADS			10.22							
50+83.92	23.00	50+55.92	23.00	LT	DRIVE PADS			19.09							
51+36.95	23.65	51+40.31	23.64	RT	SIDEWALK CULVERT						14.2				
51+36.95	27.83	51+40.34	27.83	RT	SIDEWALK CULVERT						14.2				
51+40.31	23.65	51+43.67	23.66	RT	SIDEWALK CULVERT						14.2				
51+40.34	27.83	51+43.72	27.83	RT	SIDEWALK CULVERT						14.2				
51+44.45	23.00	51+24.45	23.00	LT	DRIVE PADS			12.00							
51+54.17	26.13	51+77.25	26.04	RT	CONCRETE VALLEY GUTTER							23.08			
51+76.20	32.30	54+21.90	151.64	RT	SIDEWALK				2056.90						
52+09.87	22.49			LT	CURB DROP INLET					1					
52+10.65	22.60			RT	CURB DROP INLET					1					
52+25.26	22.53			LT	CURB DROP INLET					1					
52+25.81	22.74			RT	CURB DROP INLET					1					
52+40.27	24.31	53+56.44	24.28	LT	CONCRETE VALLEY GUTTER							116.18			
52+45.93	101.39	44+09.56	31.79	LT	SIDEWALK				403.92						
54+04.17	44.00	52+79.06	40.24	LT	SIDEWALK				109.57						
54+05.36	25.07	54+35.95	25.18	RT	CONCRETE VALLEY GUTTER							30.49			
54+06.59	23.44	54+36.68	22.98	LT	CONCRETE VALLEY GUTTER							30.04			
54+37.66	51.71	58+03.21	70.00	RT	SIDEWALK				423.71						
55+30.36	68.86			RT	CURB DROP INLET					1					
56+06.93	42.68	54+38.06	43.81	LT	SIDEWALK				154.86						
56+07.27	26.56	56+48.53	28.04	LT	CONCRETE VALLEY GUTTER							41.79			
56+36.92	43.56	58+05.45	53.43	LT	SIDEWALK				162.47						
					<b>SHEET SUBTOTAL</b>	0.00	0.00	190.06	4,396.40	12	56.80	378.03	0	0	0.00
					<b>PROJECT TOTAL</b>	7,044	174	201	7,917	17	57	426	1	2	266

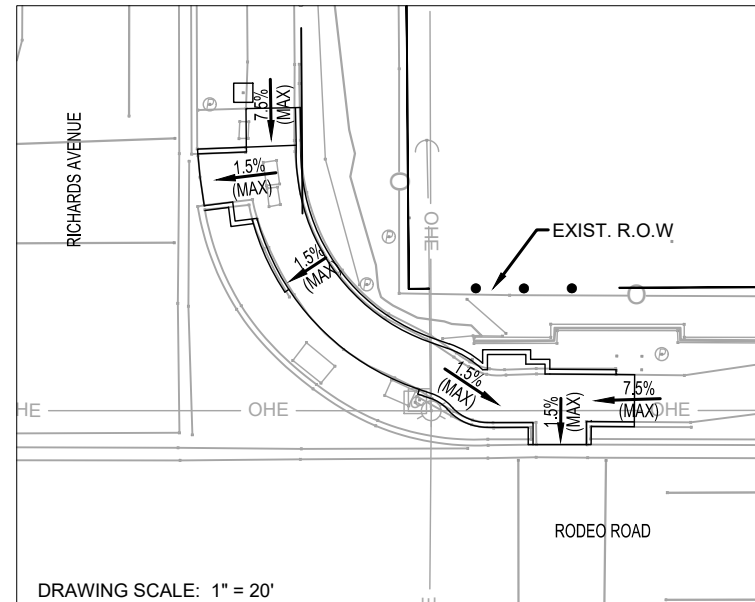
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ARROYO DE LOS CHAMISOS CROSSING  
MISCELLANEOUS QUANTITIES

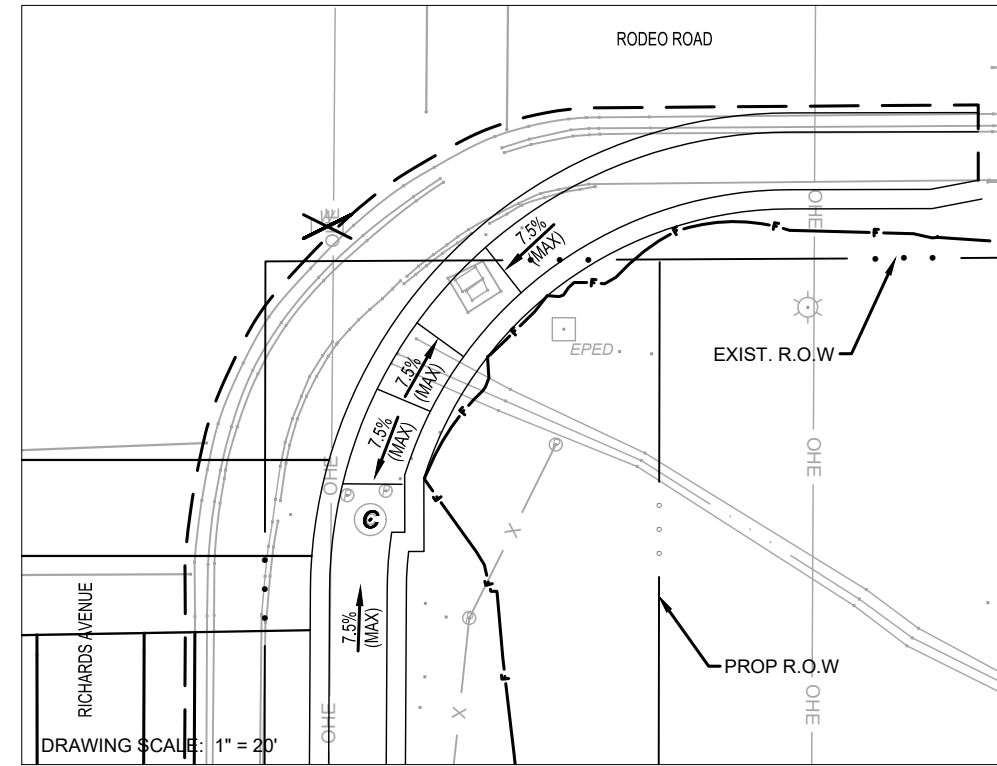
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NOT FOR CONSTRUCTION



**RICHARDS AVE./RODEO RD. (NORTHWEST CORNER)**



**RICHARDS AVE./RODEO RD. (NORTHEAST CORNER)**



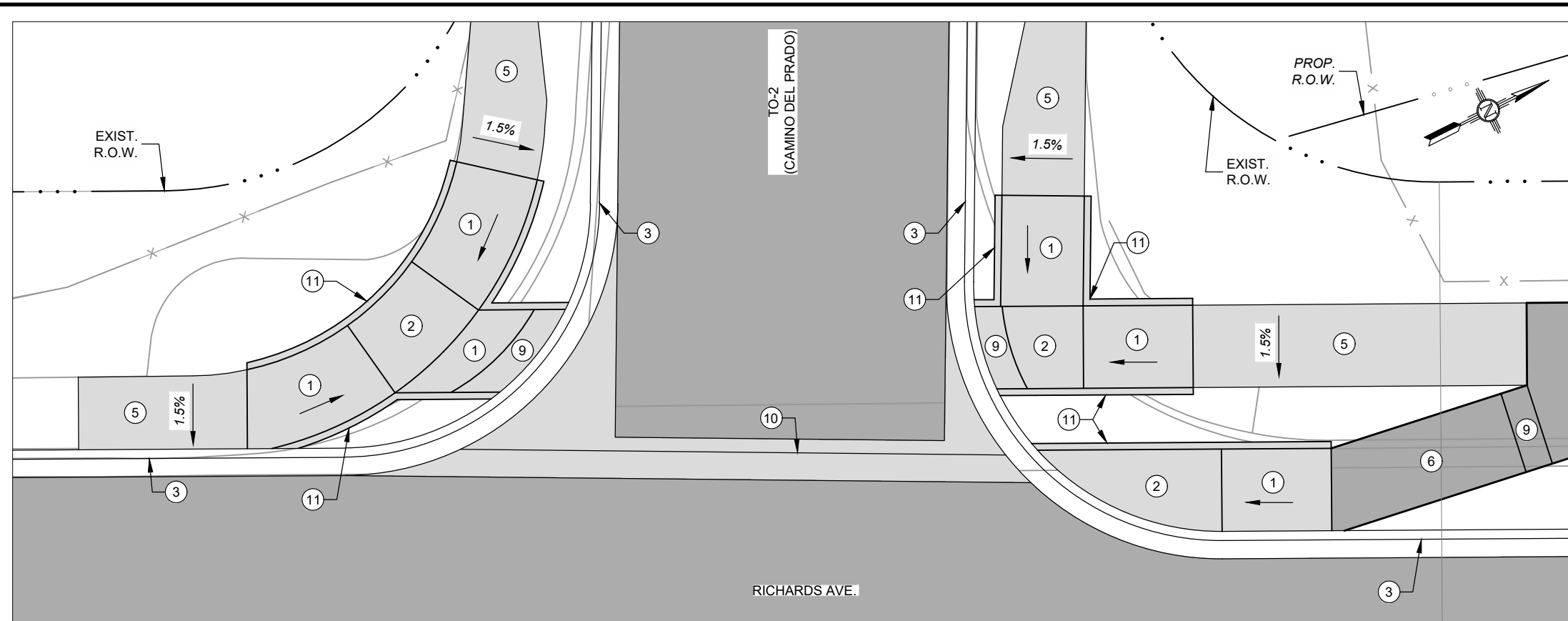
**RICHARDS AVE./RODEO RD. (SOUTHEAST CORNER)**



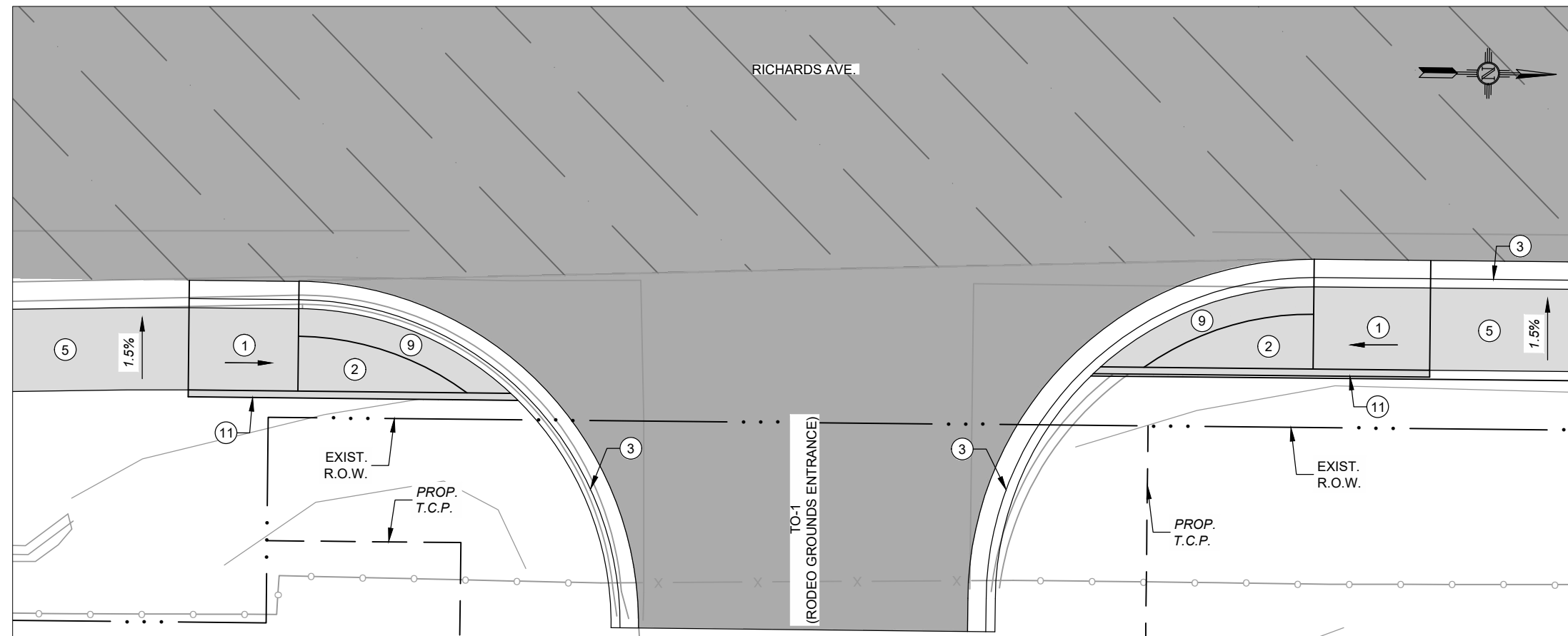
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



**RICHARDS AVE. / TO-2 (CAMINO DEL PRADO) (LT.)**



**RICHARDS AVE. / TO-1 (RODEO GROUNDS ENTRANCE) (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMPS GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMPS, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMPS, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- PROP. RETAINING WALL



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION

GENERAL NOTES

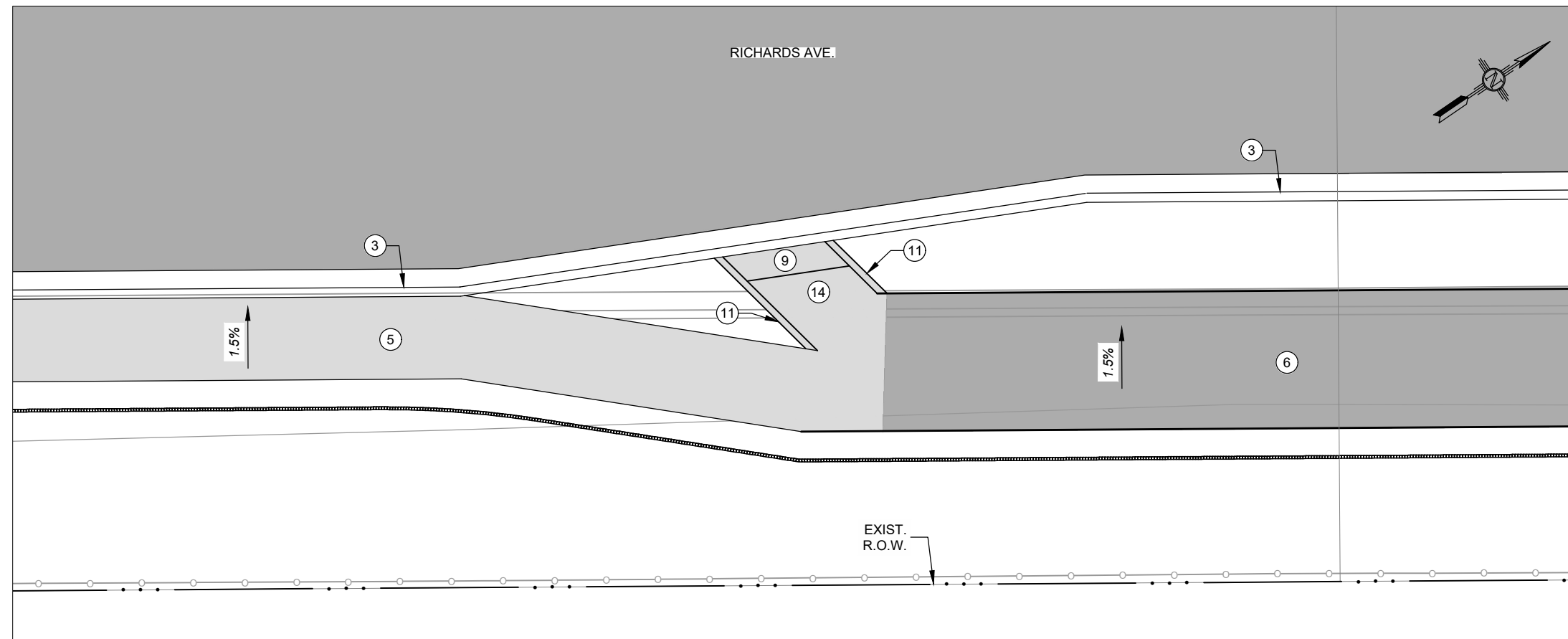
1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMPS GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMPS, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMPS, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

○ CURB RAMP KEYED NOTES

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

LEGEND

- — ○ — ○ PROP. PEDESTRIAN/BICYCLE RAILING
- ▬▬▬▬▬ PROP. RETAINING WALL



**RICHARDS AVE. / SOUTH OF ROUNDABOUT (RT.)**

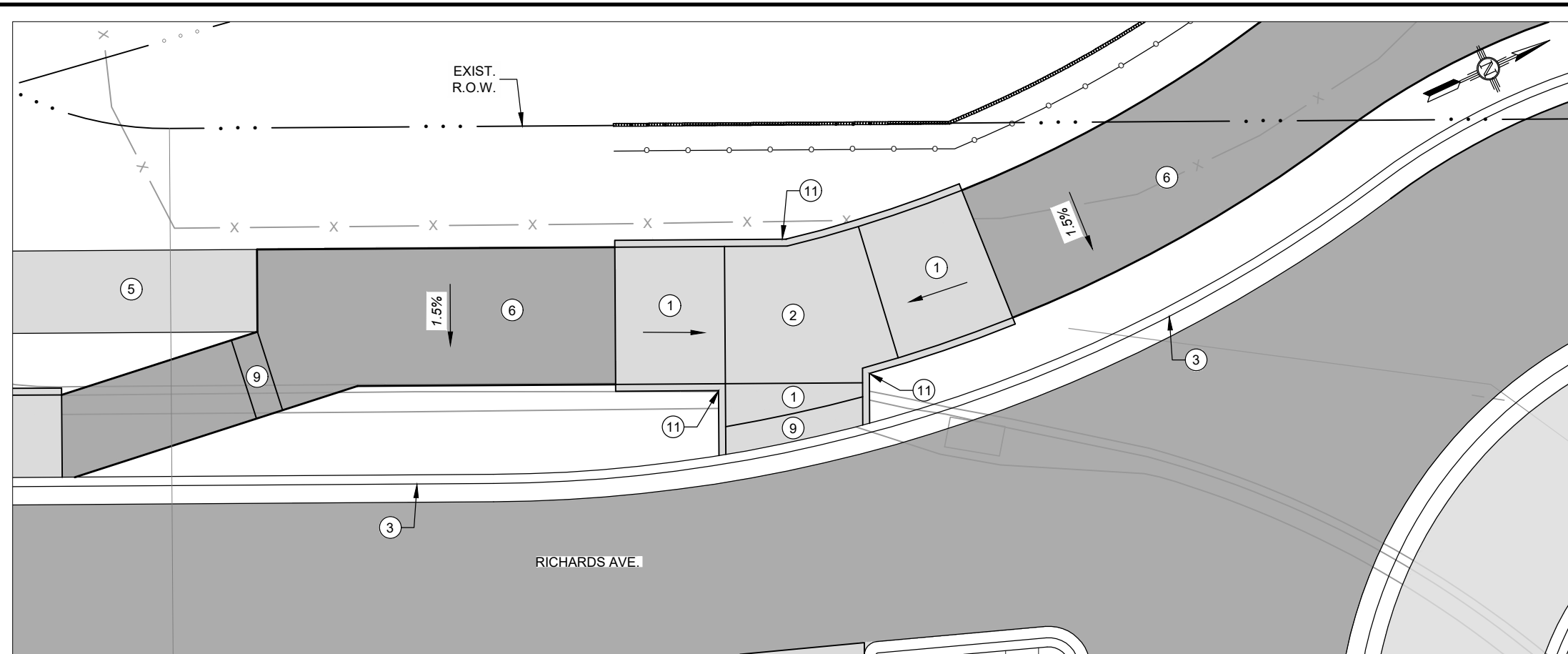
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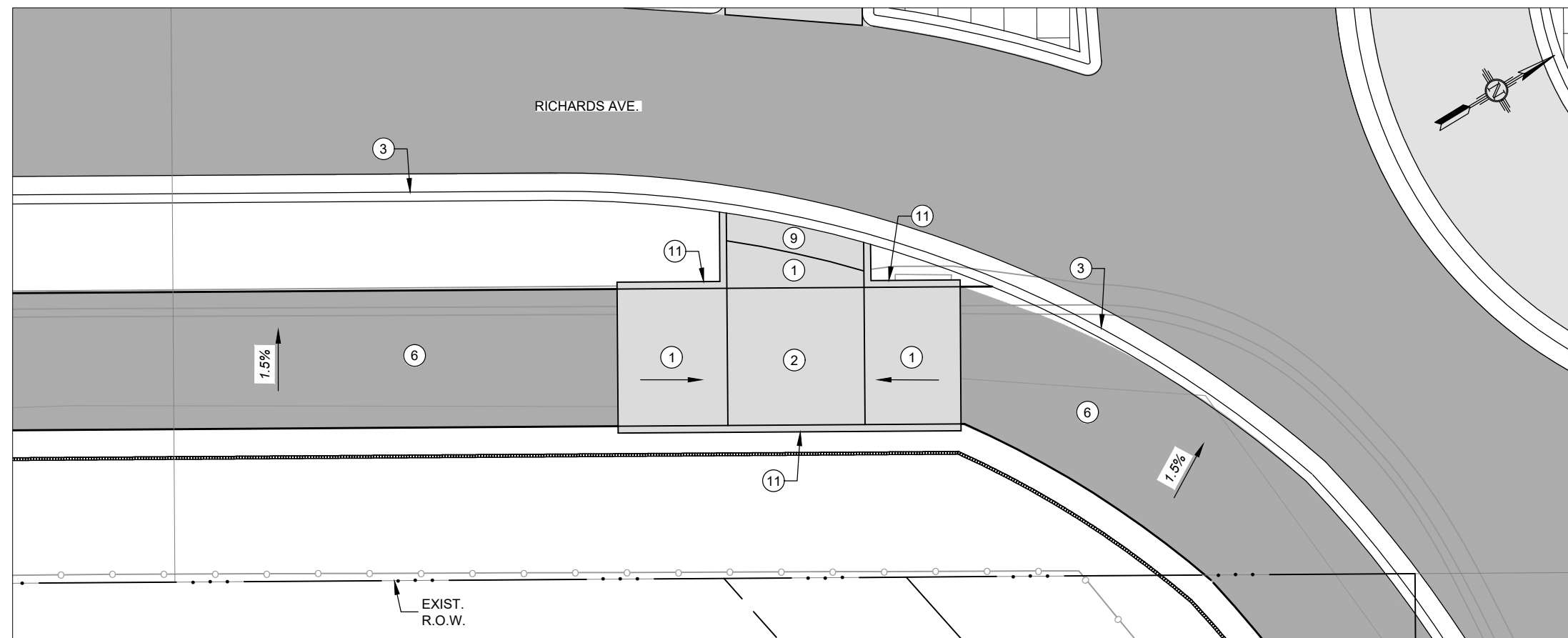
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS





**RICHARDS AVE. / SOUTH OF ROUNDABOUT (WEST)**



**RICHARDS AVE. / SOUTH OF ROUNDABOUT (EAST)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"X18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"X36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL

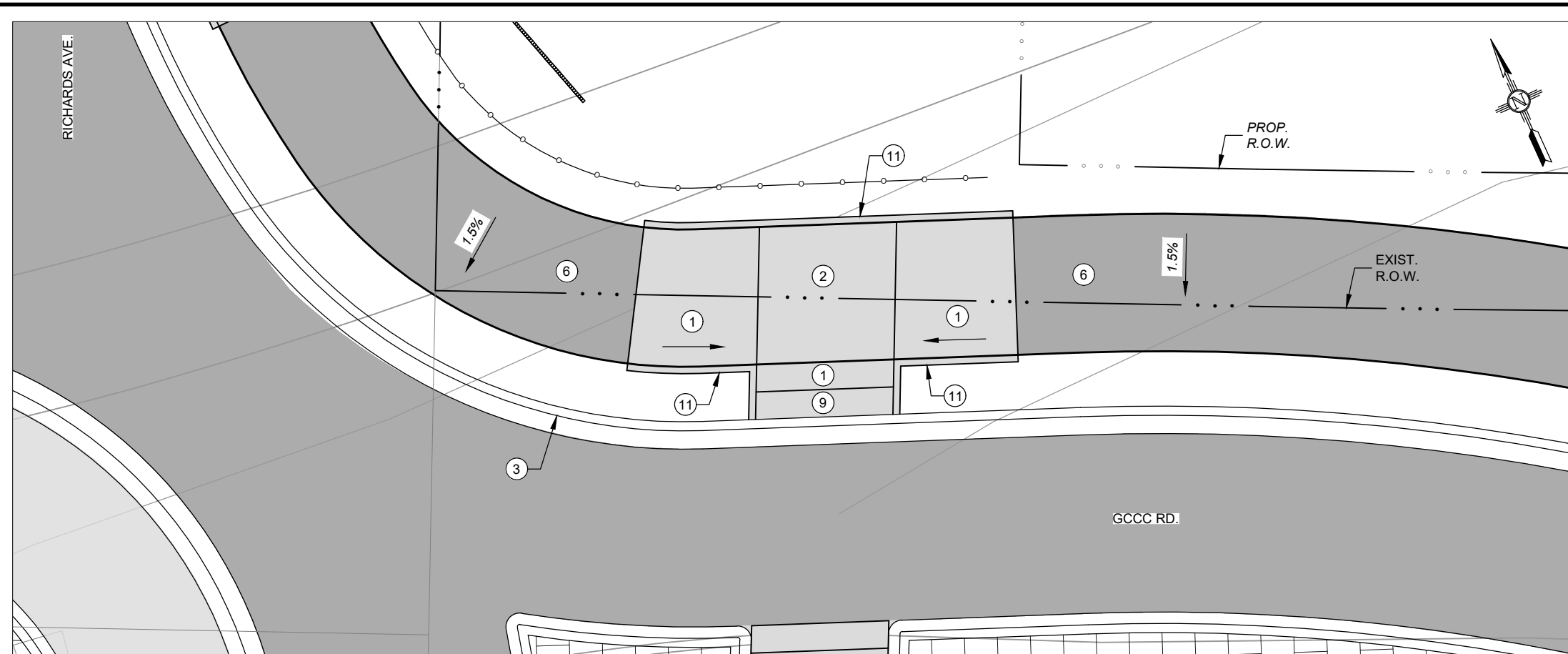


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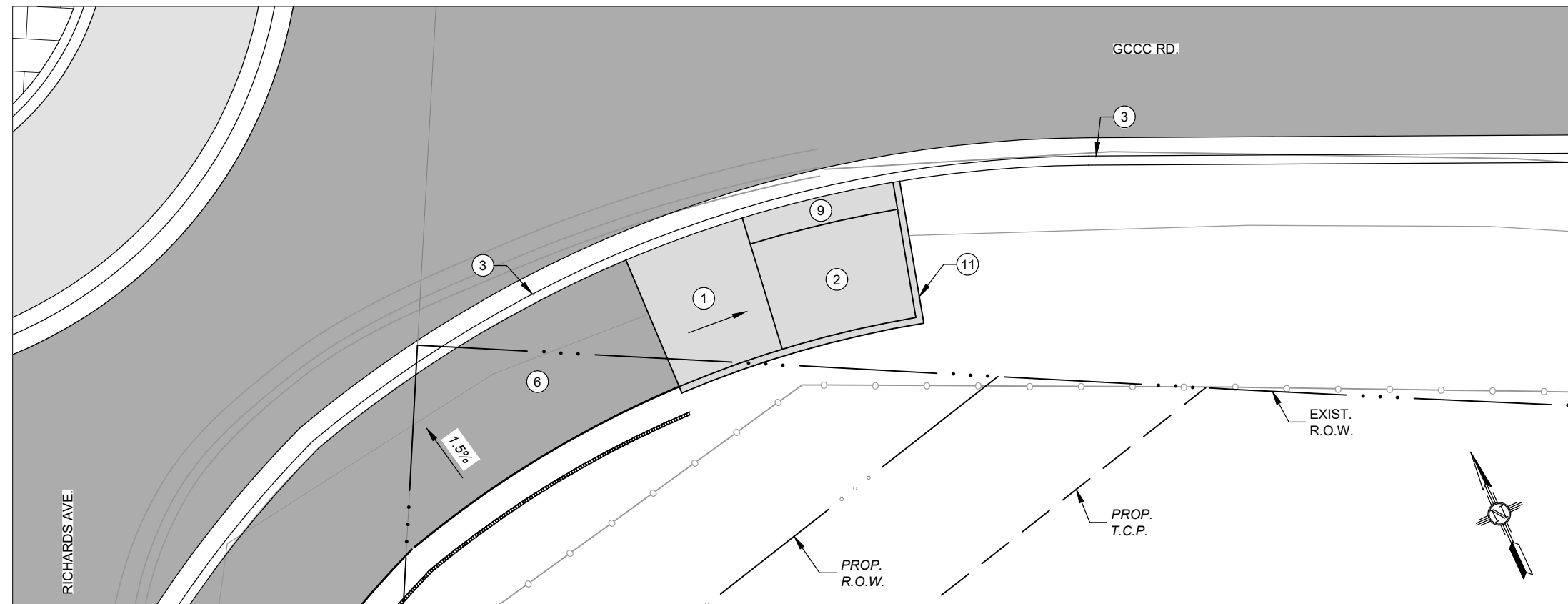
ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION





**RICHARDS AVE. / EAST OF ROUNDABOUT (NORTH)**



**RICHARDS AVE. / EAST OF ROUNDABOUT (SOUTH)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"X18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"X36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

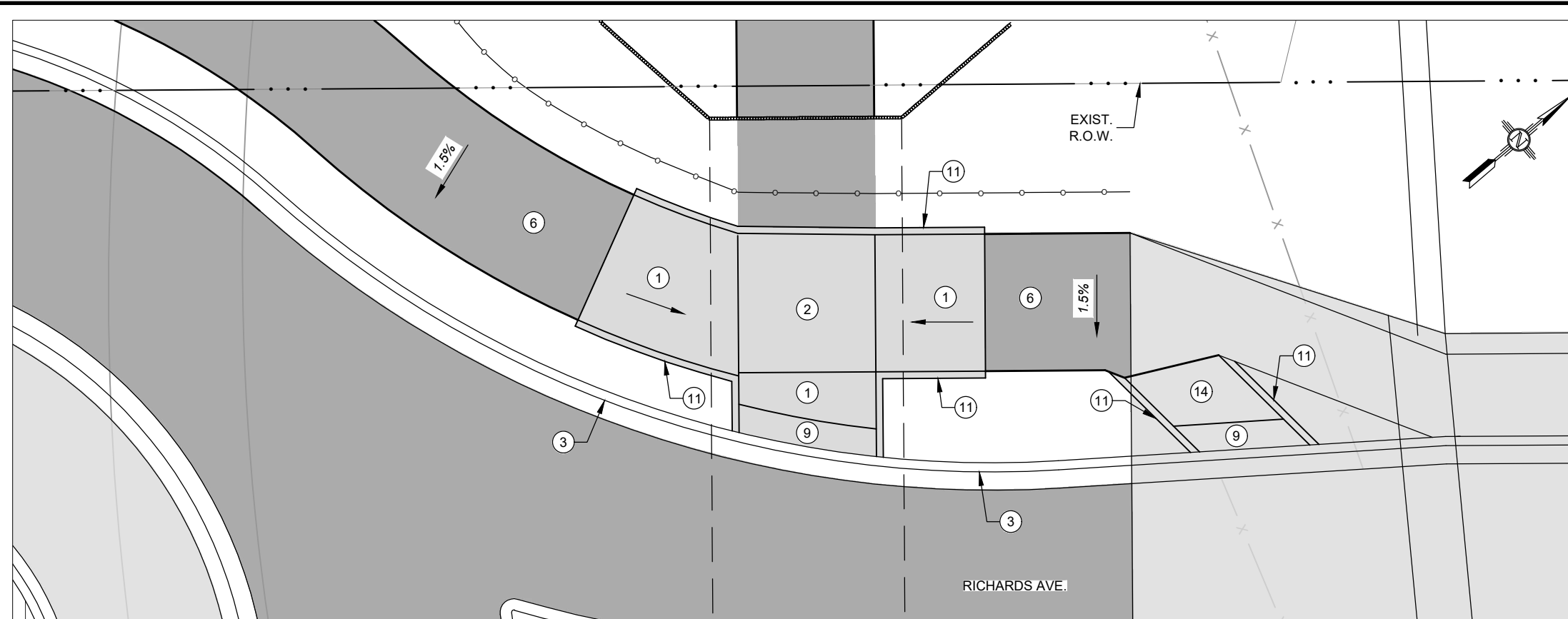
- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL



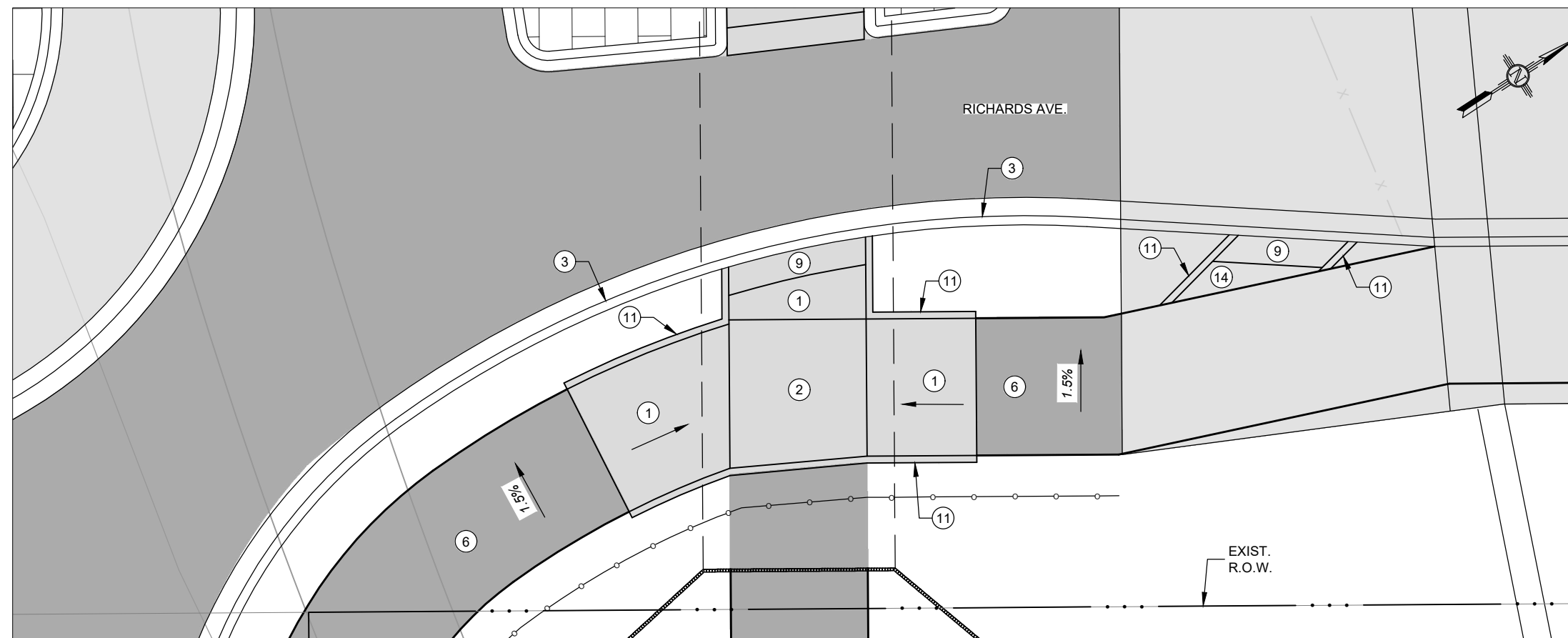
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



**RICHARDS AVE. / NORTH OF ROUNDABOUT (WEST)**



**RICHARDS AVE. / NORTH OF ROUNDABOUT (EAST)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMPS GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMPS, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMPS, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL



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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION

GENERAL NOTES

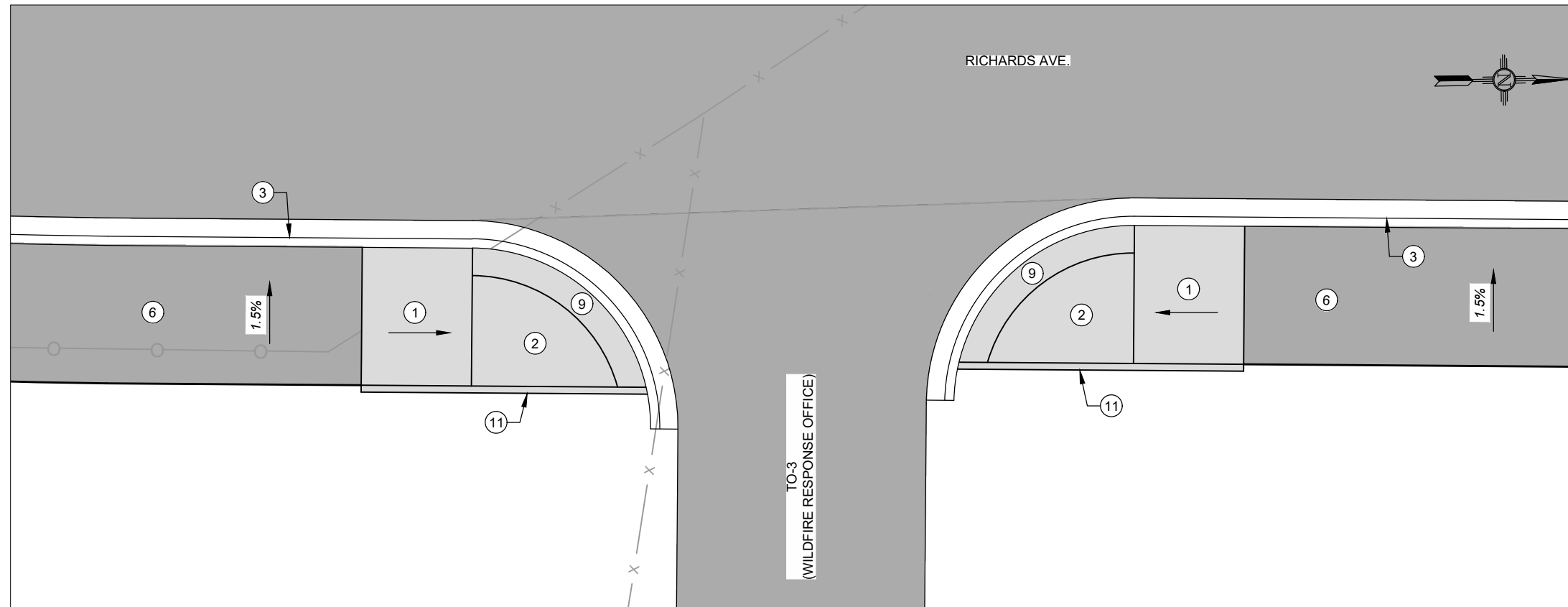
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2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMPS GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMPS, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMPS, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

○ CURB RAMP KEYED NOTES

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
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4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
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7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
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11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

LEGEND

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL



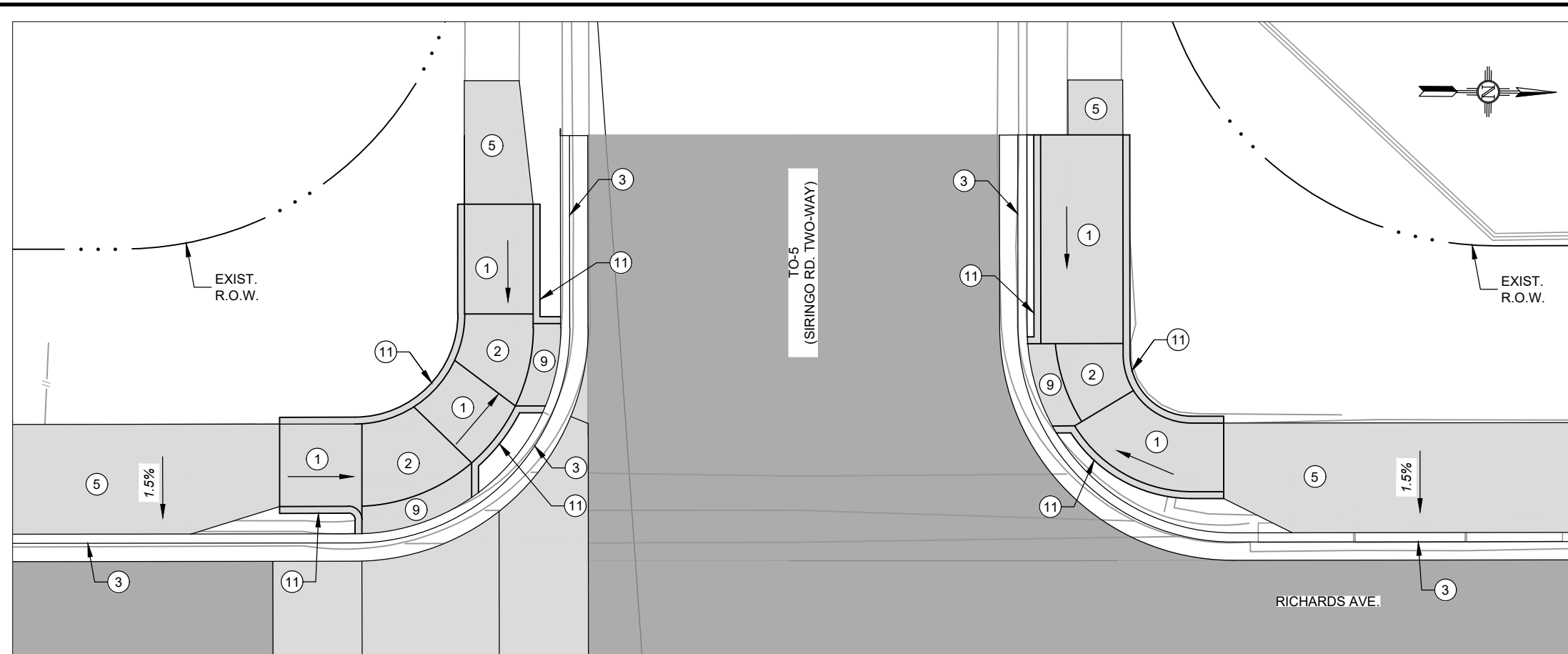
**RICHARDS AVE. / TO-3 (WILDFIRE RESPONSE OFFICE) (RT.)**

30% DESIGN  
NOT FOR CONSTRUCTION

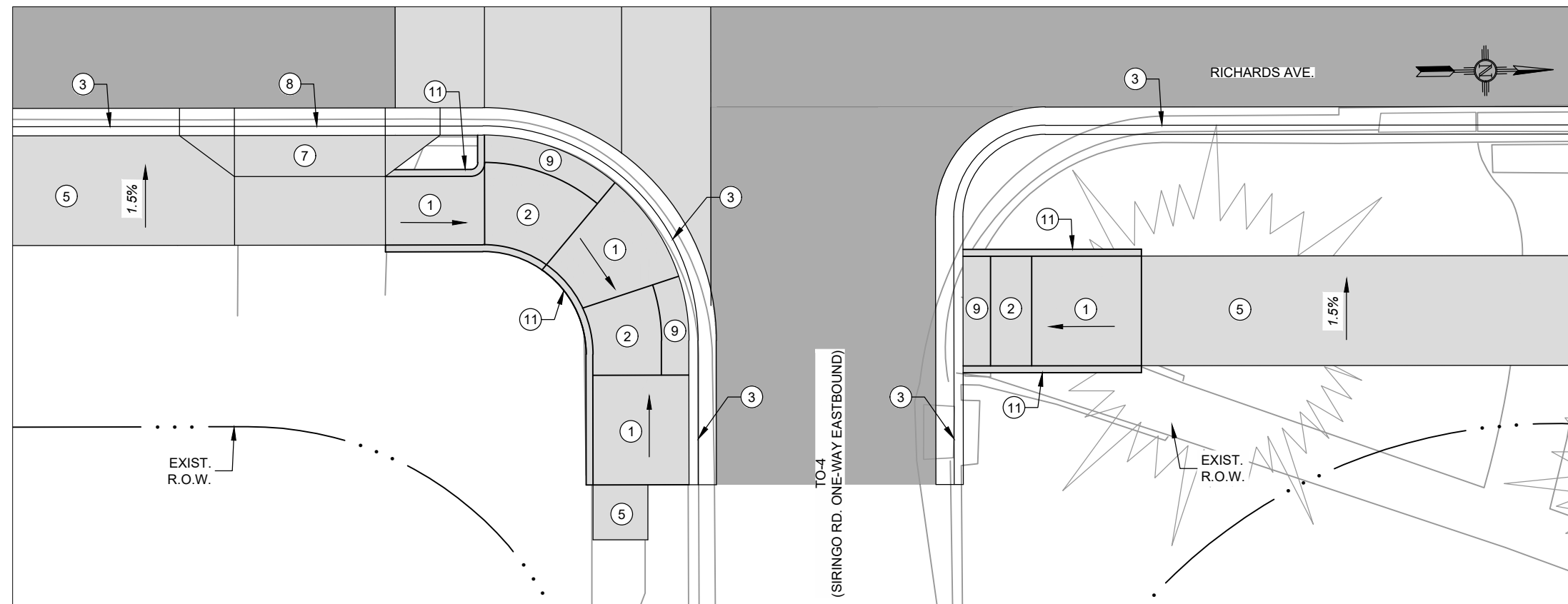


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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS



**RICHARDS AVE. / TO-5 (SIRINGO RD. TWO-WAY) (LT.)**



**RICHARDS AVE. / TO-4 (SIRINGO RD. ONE-WAY EASTBOUND) (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- PROP. RETAINING WALL



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ARROYO DE LOS CHAMISOS CROSSING CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION

GENERAL NOTES

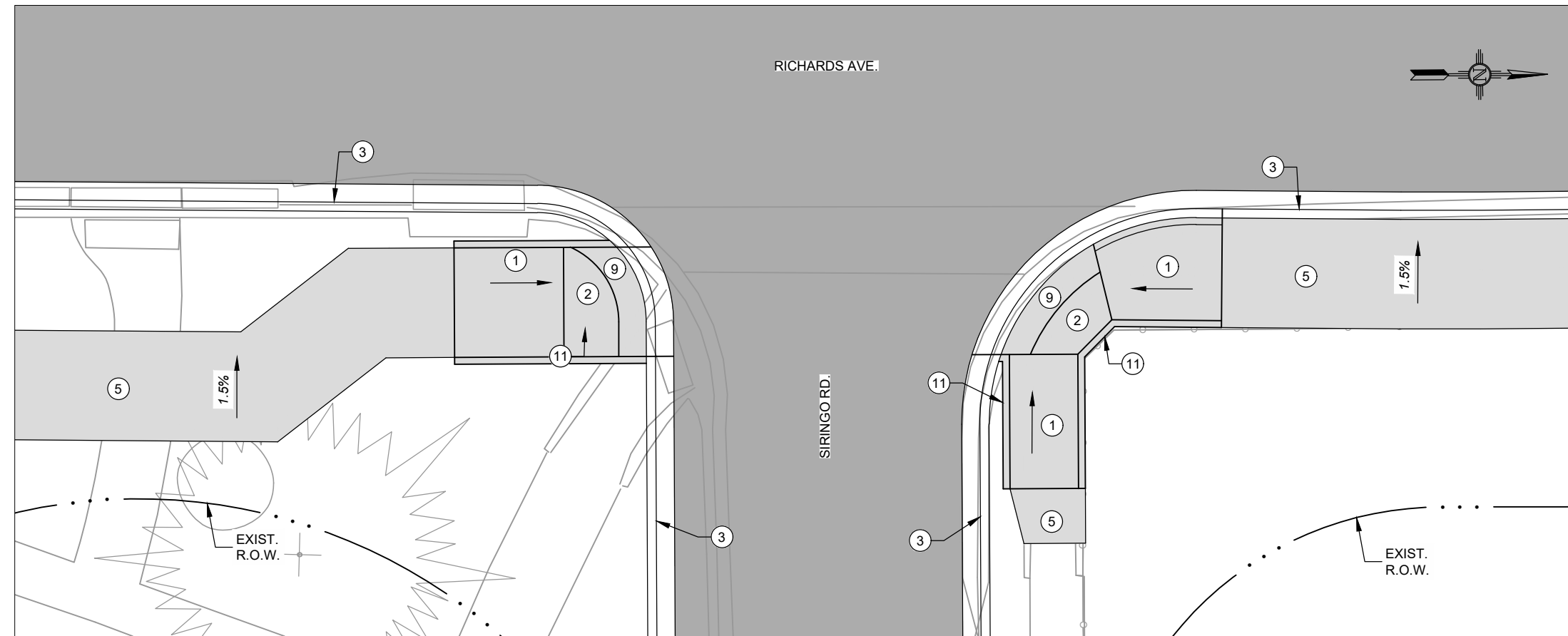
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2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMPS GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMPS, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMPS, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

○ CURB RAMP KEYED NOTES

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
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6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"X36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

LEGEND

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL



**RICHARDS AVE. / SIRINGO RD. ONE-WAY WESTBOUND (RT.)**

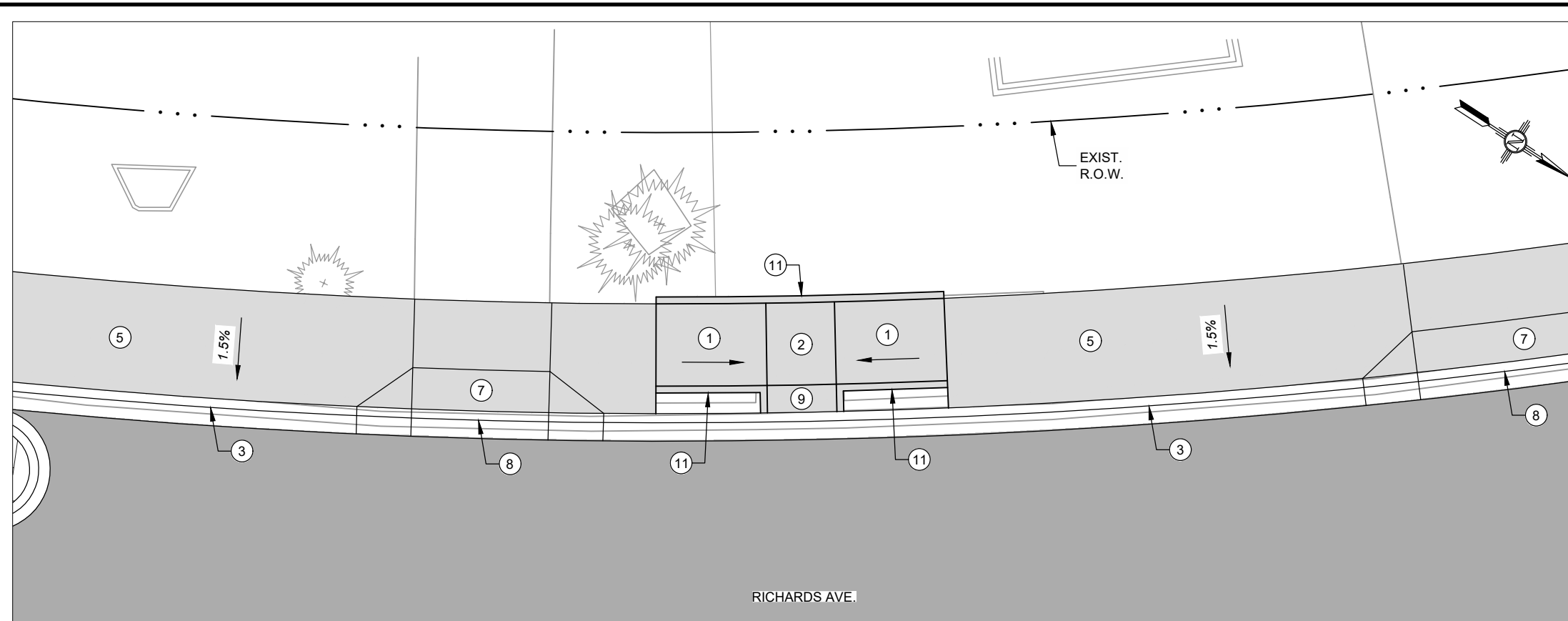
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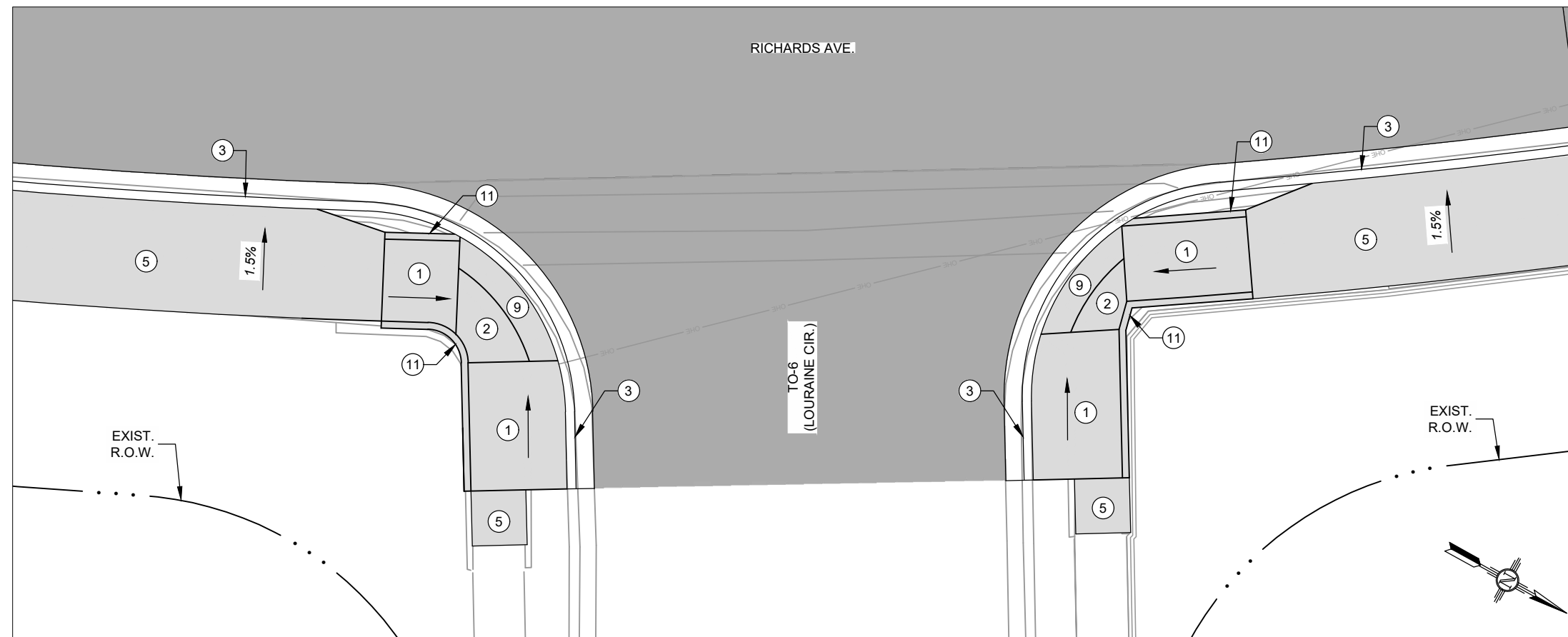
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS





**RICHARDS AVE. / TO-6 (LOURAINÉ CIR.) (LT.)**



**RICHARDS AVE. / TO-6 (LOURAINÉ CIR.) (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

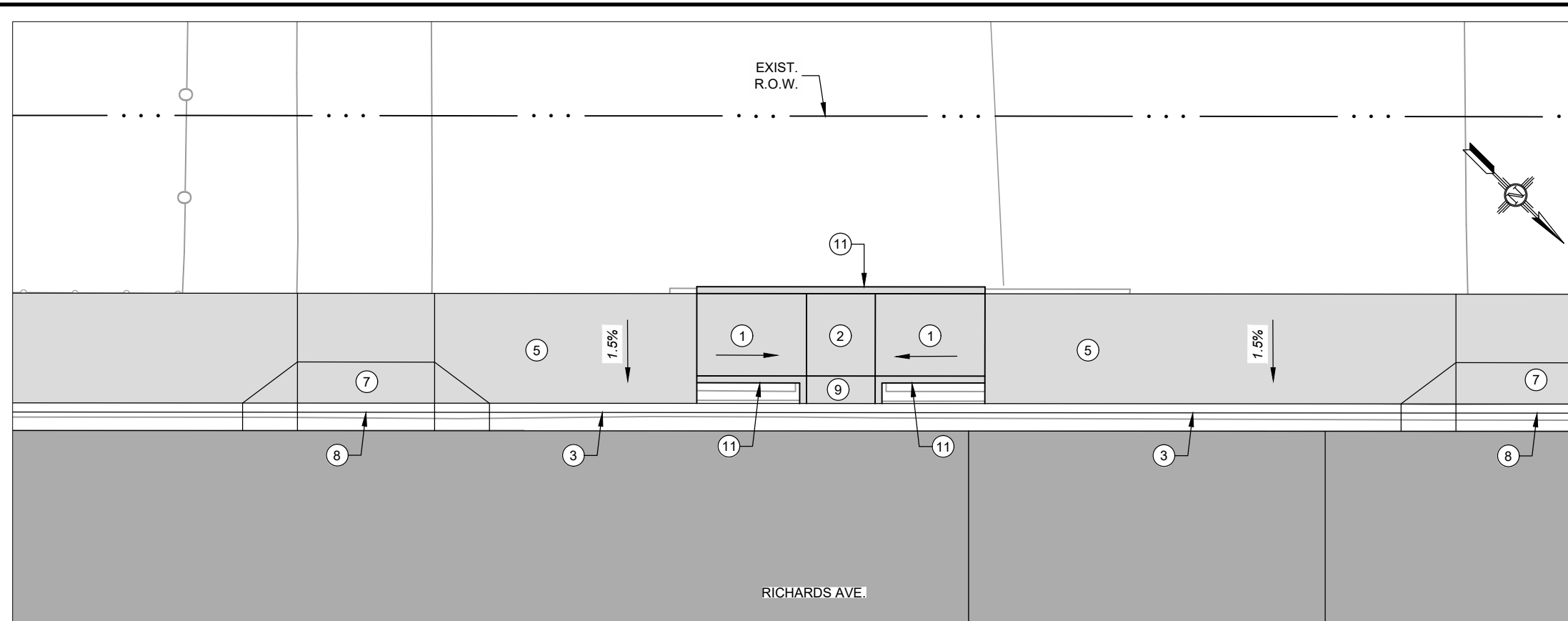
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- ▬ PROP. RETAINING WALL



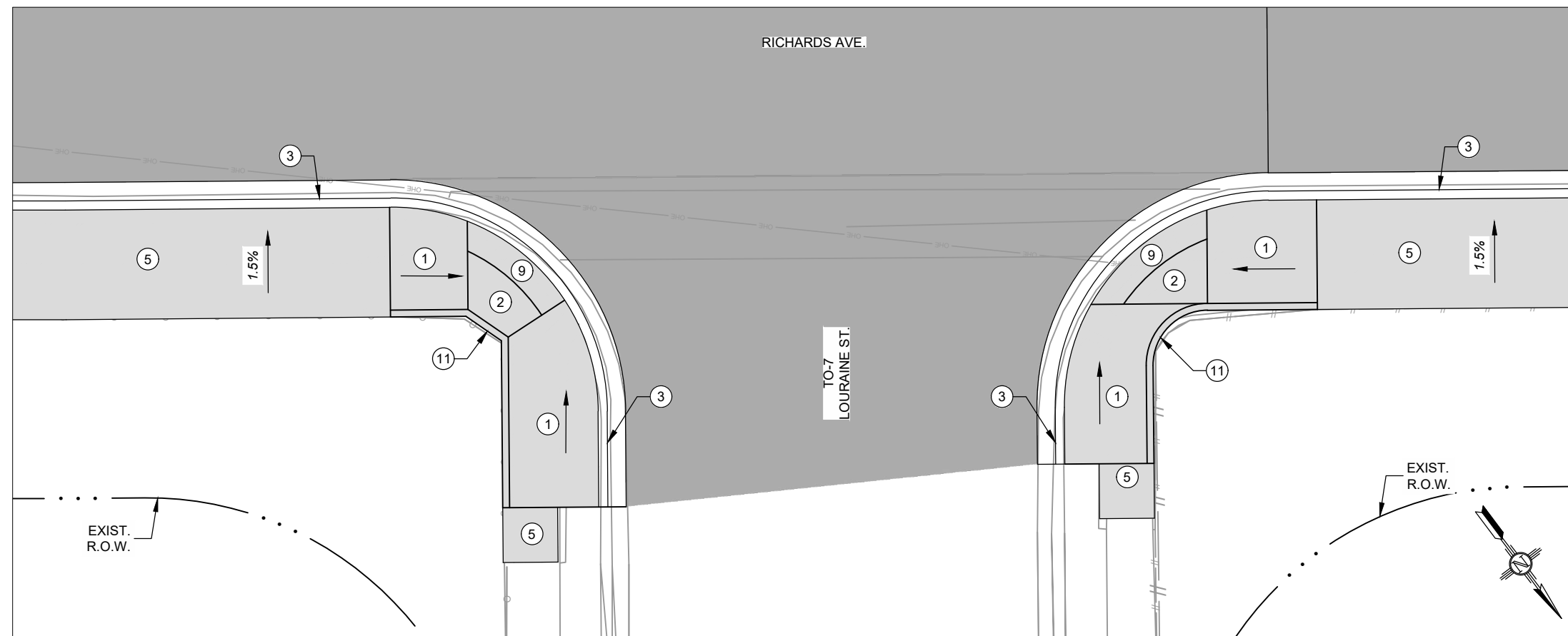
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



**RICHARDS AVE. / TO-7 (LOURAINE ST.) (LT.)**



**RICHARDS AVE. / TO-7 (LOURAINE ST.) (RT)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
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5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL

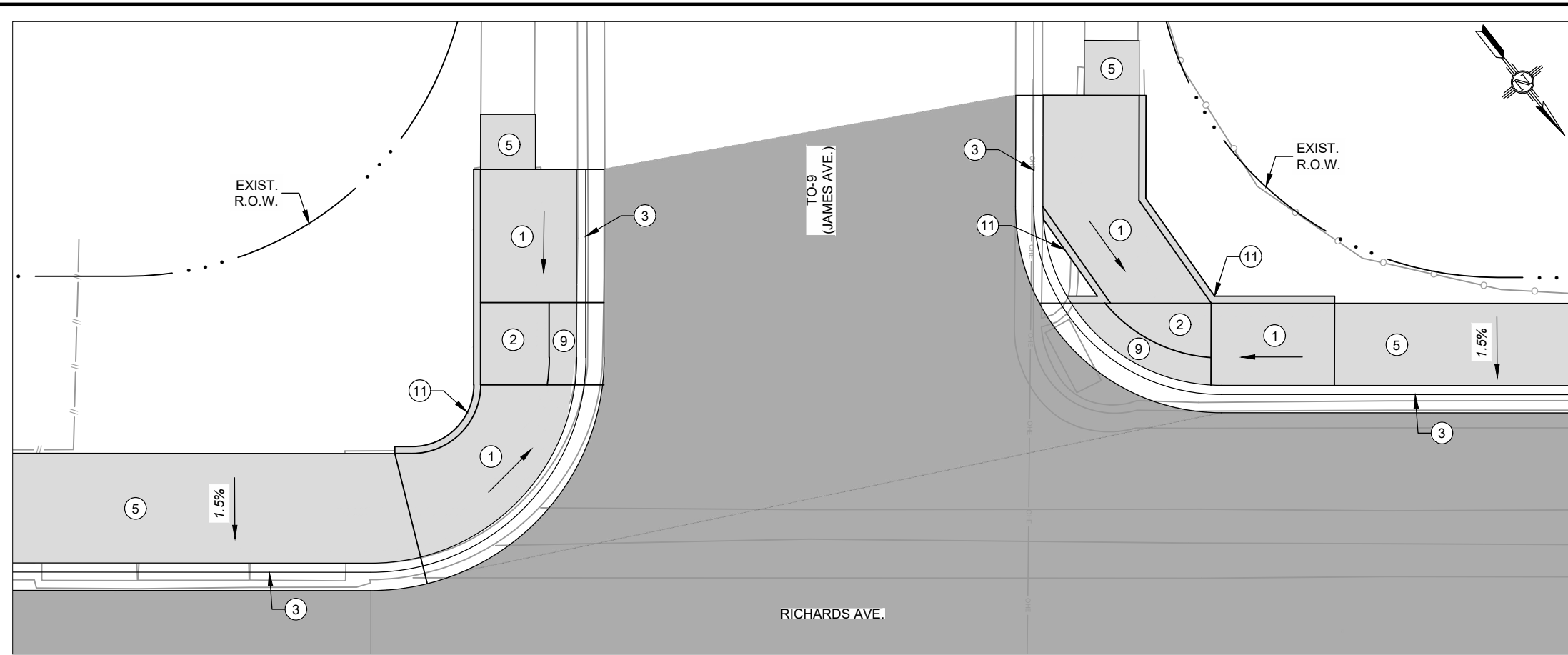


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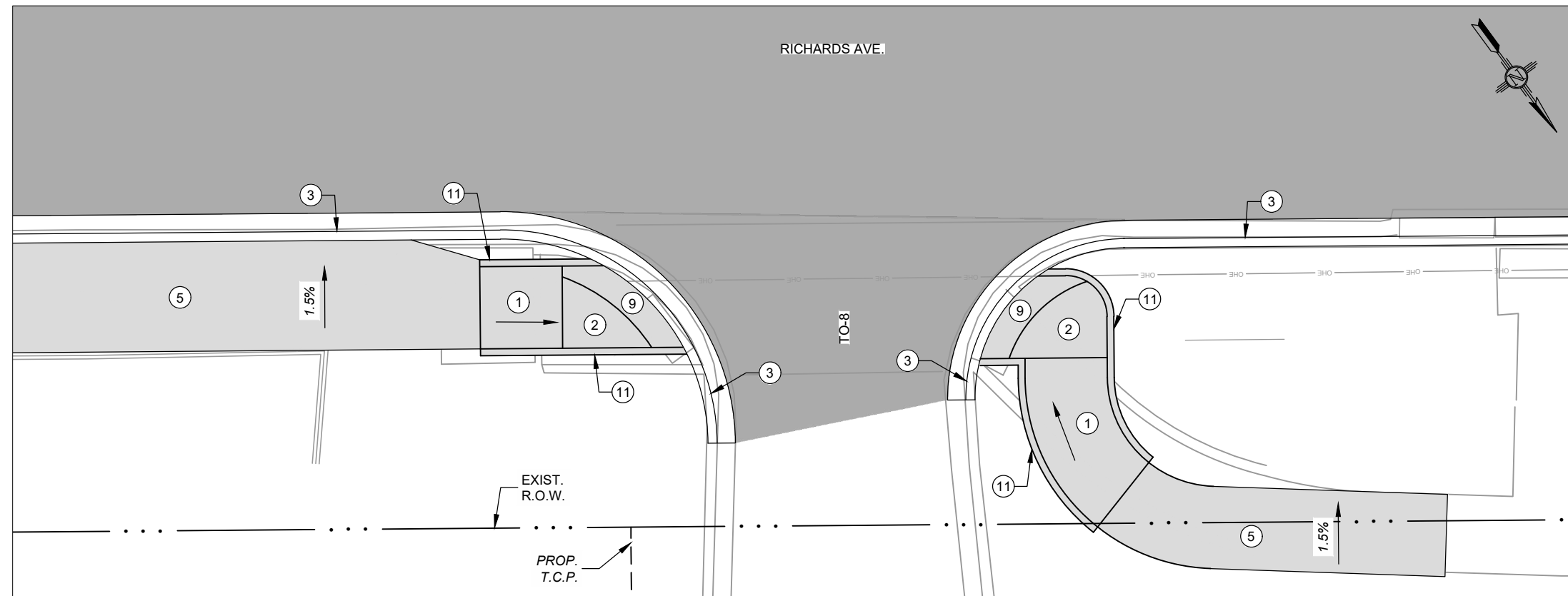
ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION





**RICHARDS AVE. / TO-9 (JAMES AVE.) (LT.)**



**RICHARDS AVE. / TO-8 (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
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11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

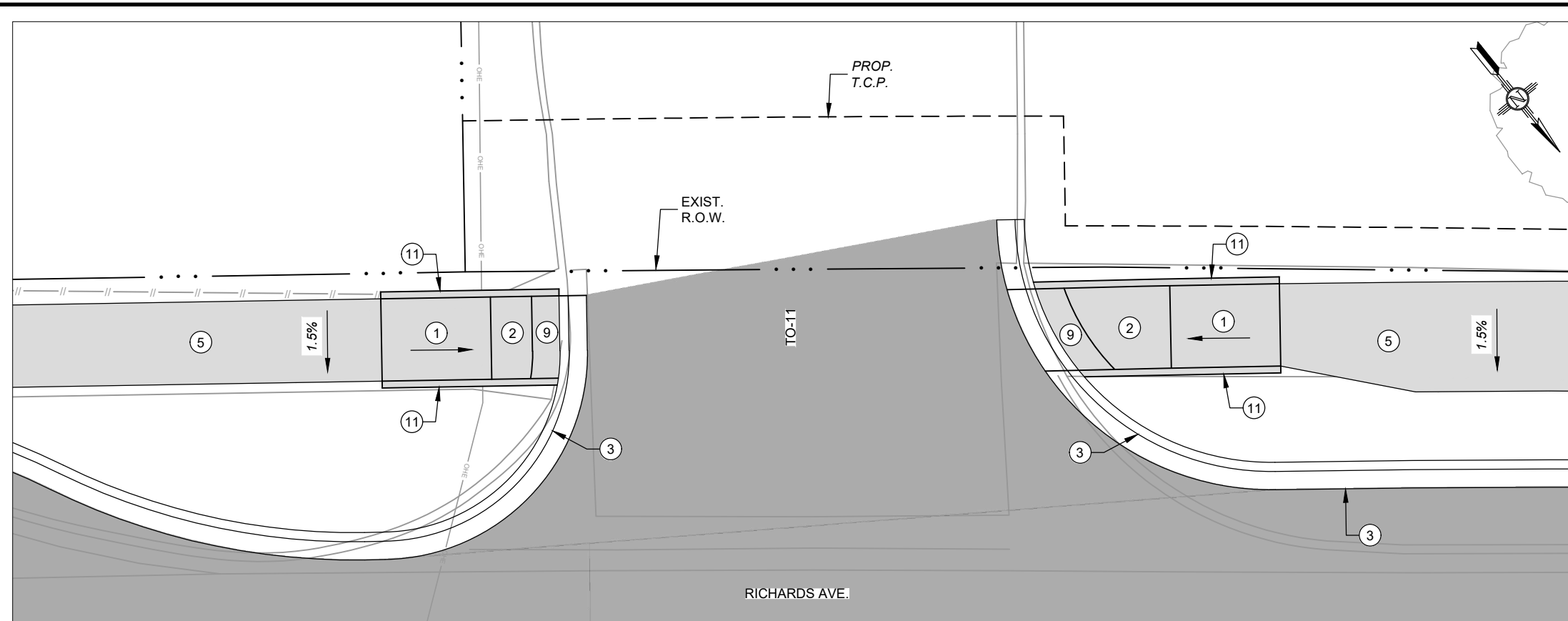
- PROP. PEDESTRIAN/BICYCLE RAILING
- PROP. RETAINING WALL



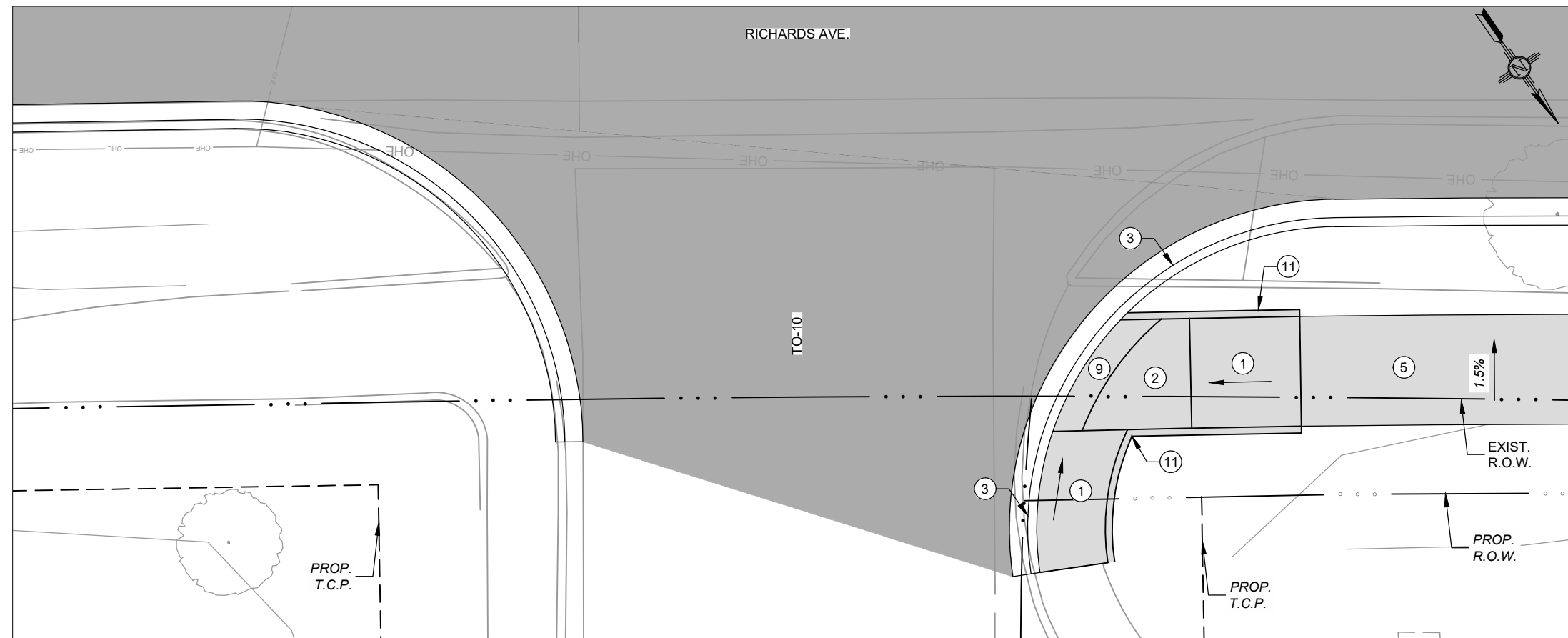
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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



**RICHARDS AVE. / TO-11 (LT.)**



**RICHARDS AVE. / TO-10 (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
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6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
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9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

- PROP. PEDESTRIAN/BICYCLE RAILING
- PROP. RETAINING WALL



NO.	DESCRIPTION	DATE	BY
4			
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NO.			

ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION

GENERAL NOTES

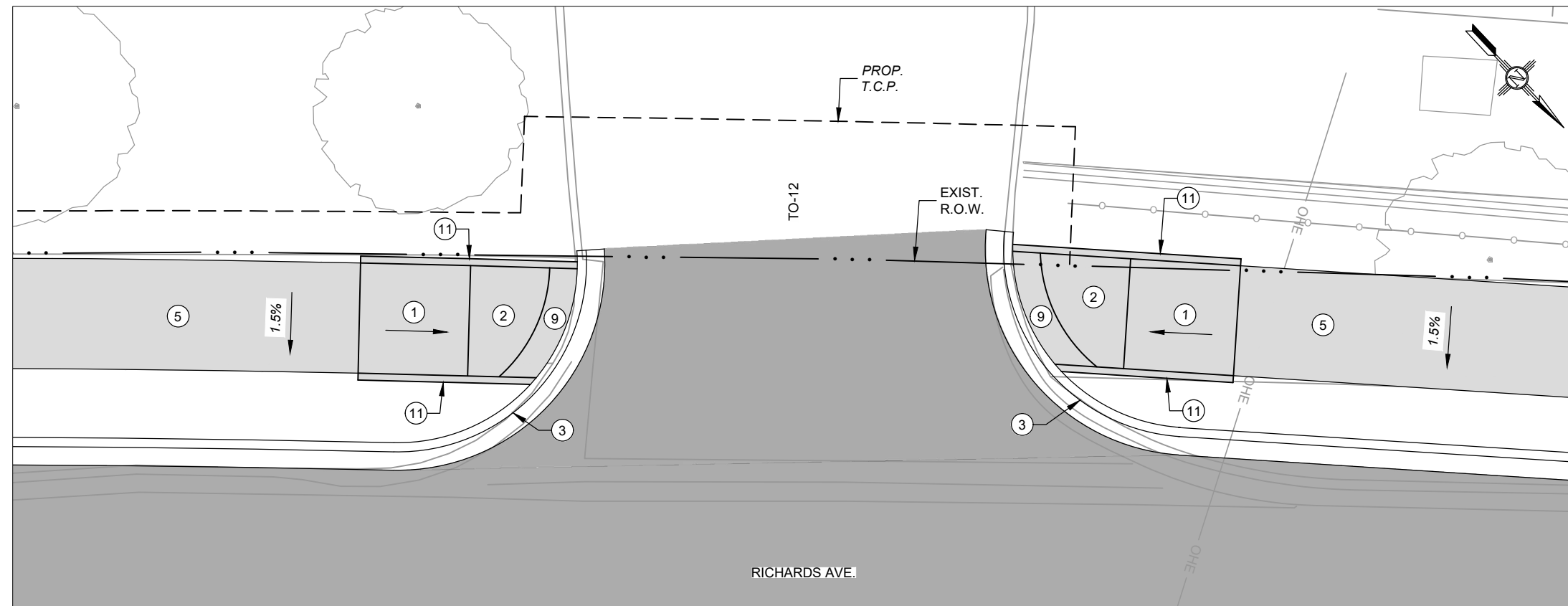
1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

CURB RAMP KEYED NOTES

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

LEGEND

- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬▬▬▬ PROP. RETAINING WALL



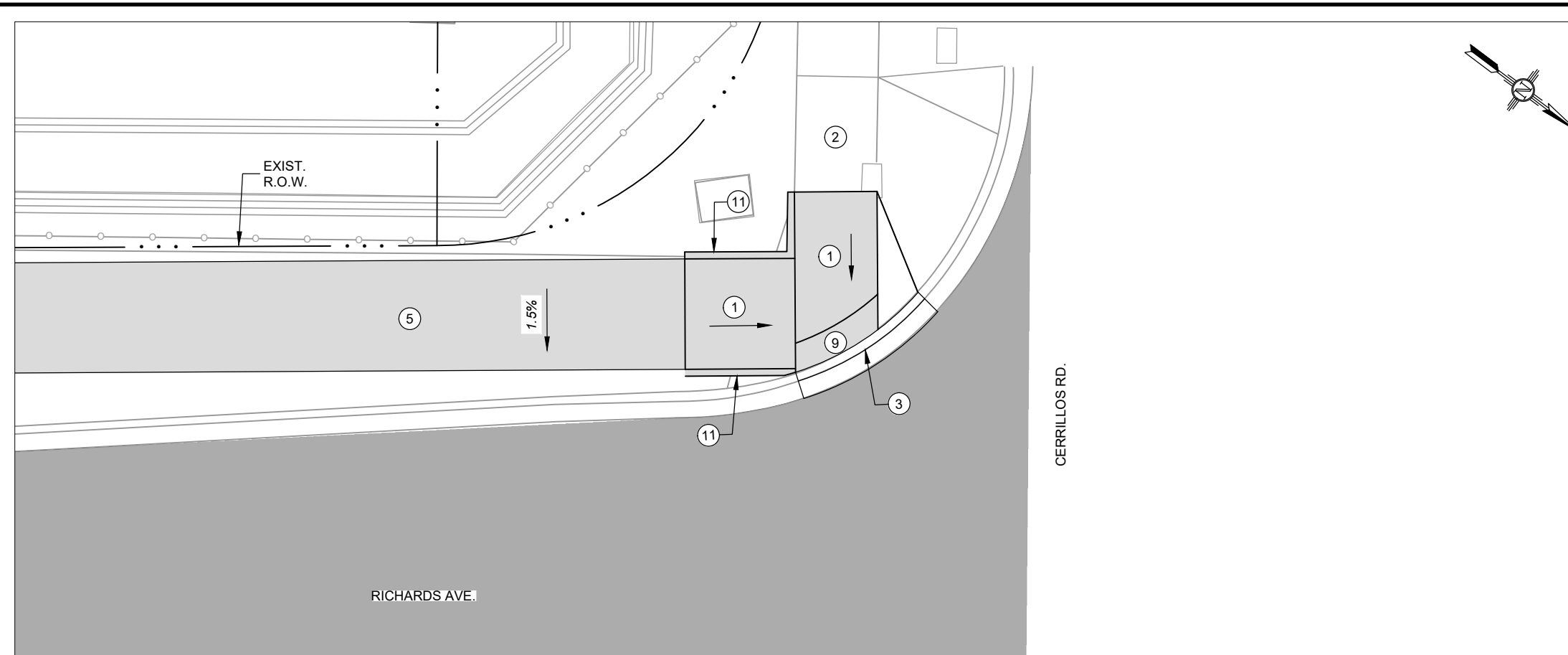
**RICHARDS AVE. / TO-12 (LT.)**

30% DESIGN  
NOT FOR CONSTRUCTION

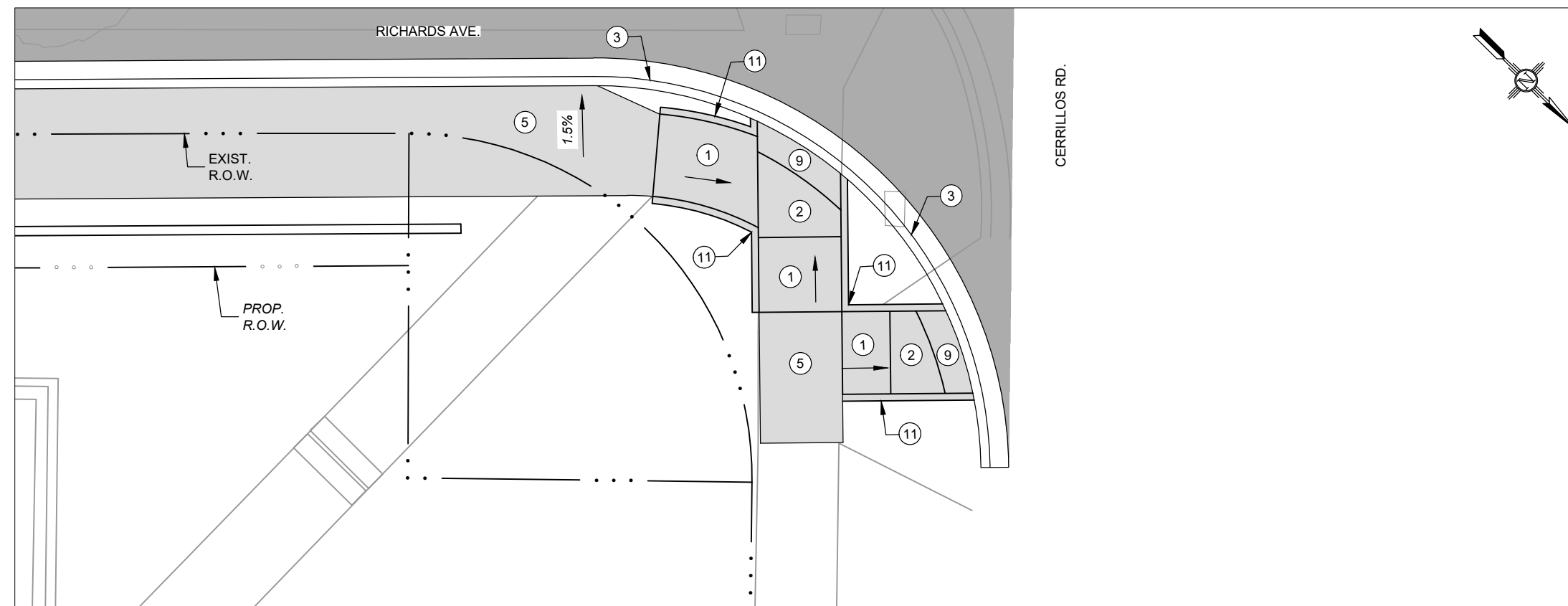


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ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS



**RICHARDS AVE. / CERRILLOS RD. (LT.)**



**RICHARDS AVE. / CERRILLOS RD. (RT.)**

**GENERAL NOTES**

1. STATIONS AND OFFSETS REFER TO RICHARDS AVE. CONST. CL UNLESS OTHERWISE NOTED.
2. STATIONS, OFFSETS, CURVE DATA, AND ELEVATIONS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR BACK OF CURB RAMP GIVEN TO FRONT FACE OF INTEGRAL CURB, UNLESS OTHERWISE NOTED.
4. SEE NMDOT STD DWGS 608-001 FOR CURB RAMP, SIDEWALKS, DRIVEWAYS, AND DETECTABLE WARNING SURFACE DETAILS.
5. CROSS SLOPES OF CURB RAMP, LANDINGS, AND SIDEWALKS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
6. SEE SHEET 3-0A TO 3-0E FOR CENTERLINE HORIZONTAL CONTROL.

**○ CURB RAMP KEYED NOTES**

1. CONCRETE RAMP SLOPE, RUNNING SLOPE SHALL BE 7.5% PREFERRED, 8.3% MAX.
2. CONCRETE LEVEL LANDING, SLOPES IN ALL DIRECTIONS SHALL BE 1.5% (TYP.), 2.0% (MAX.).
3. CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"x24".
4. CONCRETE VERTICAL CURB AND GUTTER TYPE D 6"x18".
5. CONCRETE SIDEWALK 4".
6. MULTI-USE TRAIL.
7. DRIVE PAD 6".
8. CONCRETE LAYDOWN CURB 6" (MODIFIED).
9. INSTALL DETECTABLE WARNING SURFACE, INCLUDED IN PAYMENT FOR CONCRETE SIDEWALK 4" ITEM NO. 608004. CONTRACTOR SHALL COORDINATE DETECTABLE WARNING SURFACE INSTALLATION WITH CITY PROJECT MANAGER.
10. CONCRETE VALLEY GUTTER 6"x36".
11. INTEGRAL CURB.
12. CONCRETE CUT OFF WALL.
13. CONCRETE MEDIAN PAVEMENT 4".
14. BUILD BIKE RAMP.

**LEGEND**

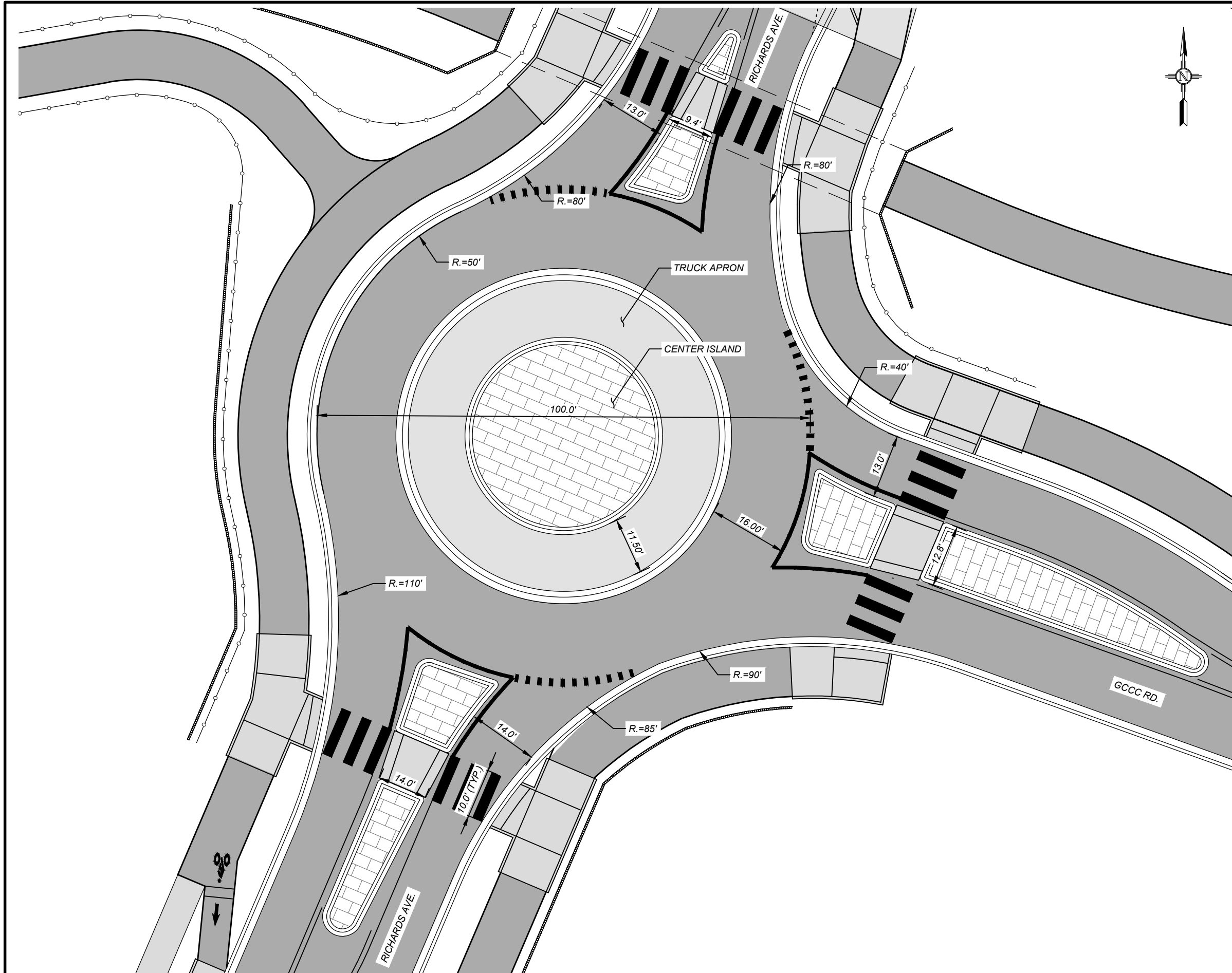
- PROP. PEDESTRIAN/BICYCLE RAILING
- ▬ PROP. RETAINING WALL



NO.	DESCRIPTION	DATE	BY
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NO.			

ARROYO DE LOS CHAMISOS CROSSING  
CURB RAMP DETAILS

30% DESIGN  
NOT FOR CONSTRUCTION



DESIGN SPEED : 30 MPH  
 POSTED SPEED : 25 MPH  
 INSCRIBED CIRCLE WIDTH : 100'  
 ENTRY WIDTH : 13' MIN.  
 DESIGN VEHICLE : SU-30 TYP. (WB-40  
 (FIRE TRUCK) AS NECESSARY BASED ON  
 EXISTING ACCESS AND BUSINESS USE.)  
 TRUCK APRON : 63.0' DIA., 11.5' WIDTH  
 CENTER ISLAND : 37.0' DIA.

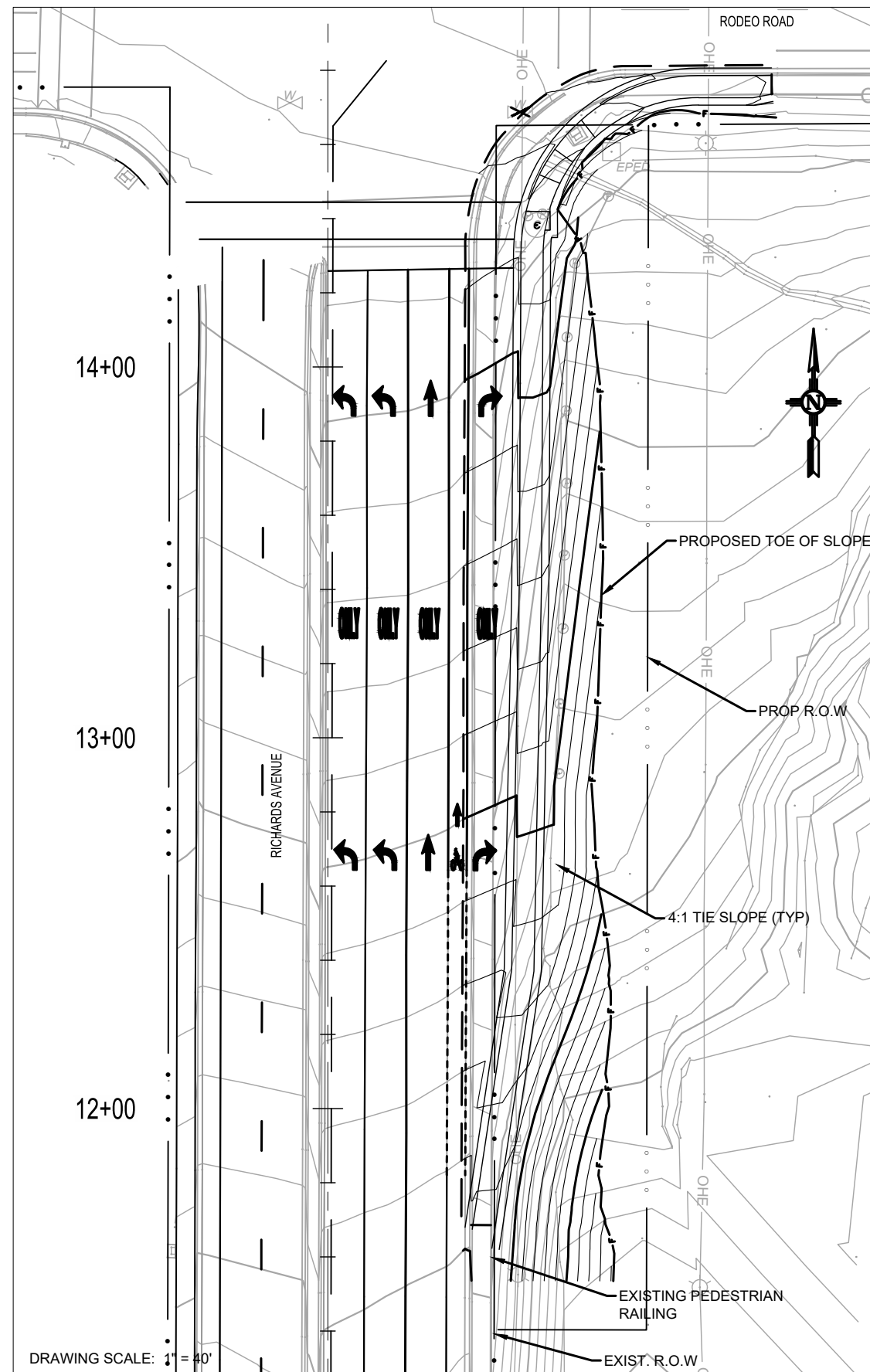


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ARROYO DE LOS CHAMISOS CROSSING  
 ROUNDABOUT LAYOUT PLAN

30% DESIGN  
 NOT FOR CONSTRUCTION





DRAWING SCALE: 1" = 40'

**ROADWAY WIDENING AT RICHARDS AVE AND RODEO ROAD**

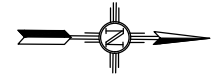
4:1 TIE SLOPE

30% DESIGN  
NOT FOR CONSTRUCTION



NO.	DESCRIPTION	DATE	BY
4			
3			
2		X	X
1		X	X

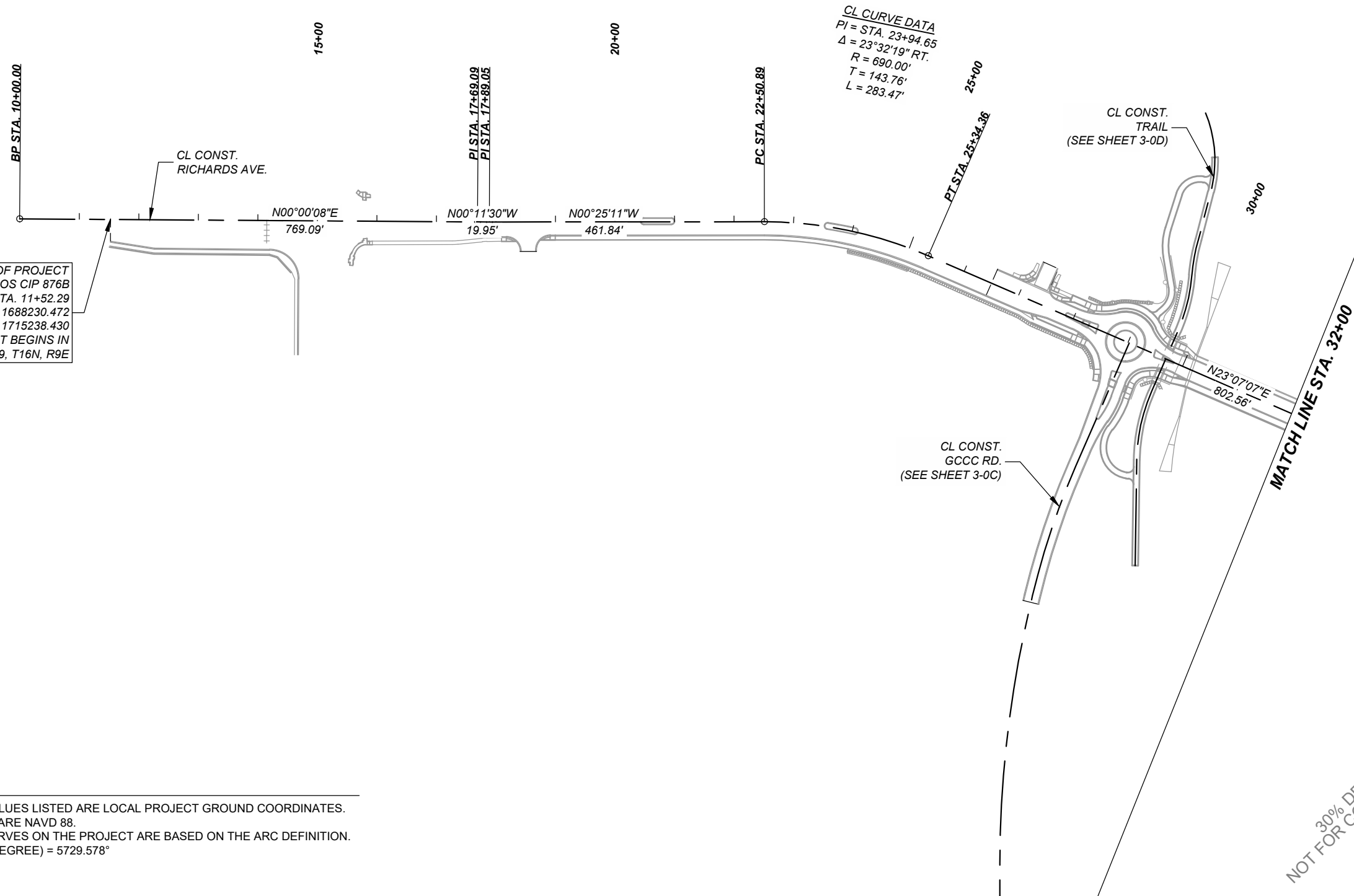
ARROYO DE LOS CHAMISOS CROSSING  
RODEO & RICHARDS INTERSECTION WIDENING &  
GRADING



BEGINNING OF PROJECT  
 ARROYO DE LOS CHAMISOS CIP 876B  
 STA. 11+52.29  
 N: 1688230.472  
 E: 1715238.430  
 THIS PROJECT BEGINS IN  
 SECTION 9, T16N, R9E

NOTES

1. ALL COORDINATE VALUES LISTED ARE LOCAL PROJECT GROUND COORDINATES.
2. ELEVATIONS LISTED ARE NAVD 88.
3. ALL HORIZONTAL CURVES ON THE PROJECT ARE BASED ON THE ARC DEFINITION.  
 RADIUS OF 1° (ONE DEGREE) = 5729.578°



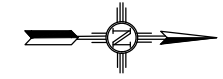
CL CURVE DATA  
 PI = STA. 23+94.65  
 $\Delta = 23^\circ 32' 19''$  RT.  
 R = 690.00'  
 T = 143.76'  
 L = 283.47'

30% DESIGN  
 NOT FOR CONSTRUCTION

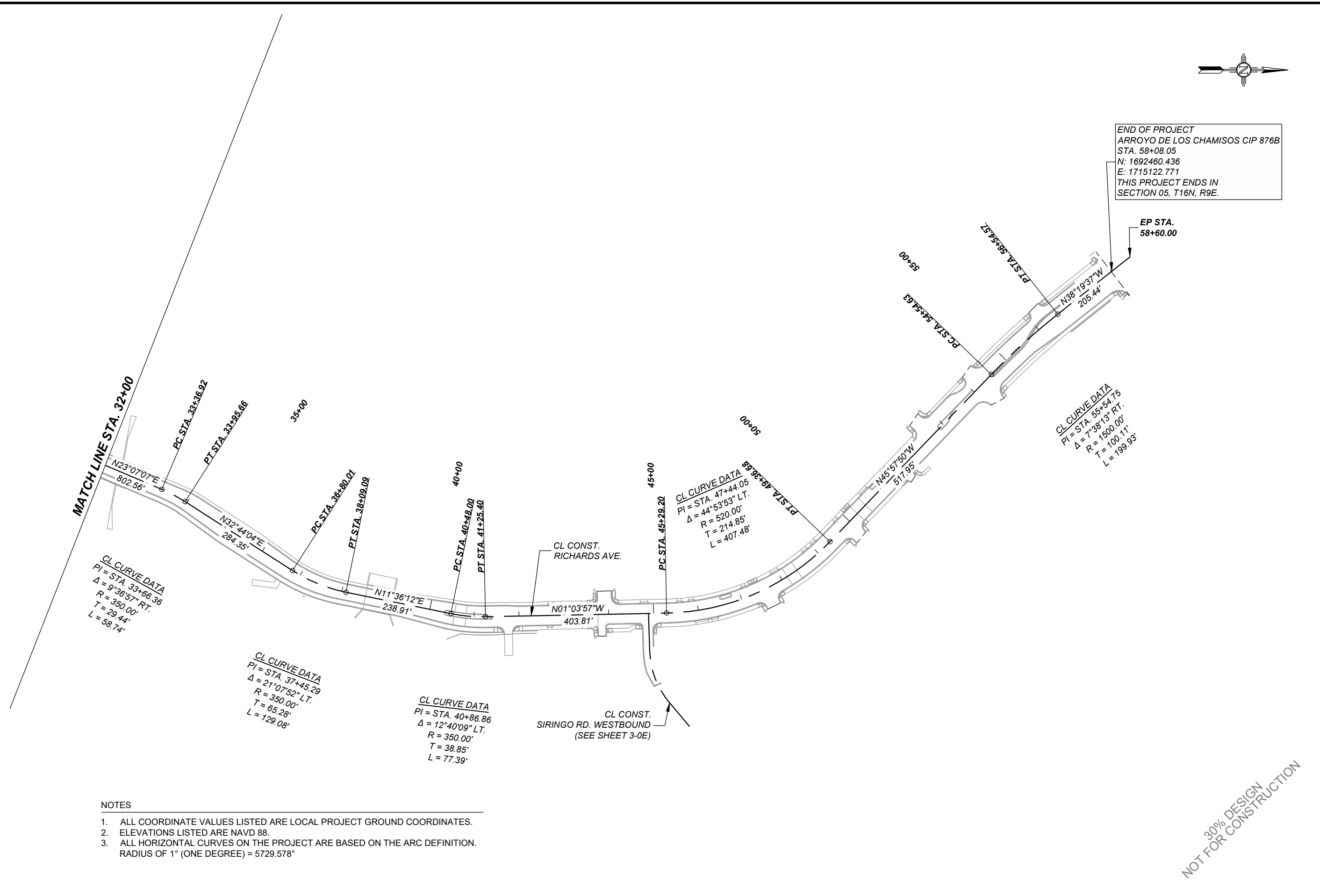
NO.	DESCRIPTION	DATE	BY
4			
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NO.			

ARROYO DE LOS CHAMISOS CROSSING  
 PROJECT HORIZONTAL LAYOUT





END OF PROJECT  
 ARROYO DE LOS CHAMISOS CIP 876B  
 STA. 58+08.05  
 N: 1692460.436  
 E: 1715122.771  
 THIS PROJECT ENDS IN  
 SECTION 05, T16N, R9E.



CL CURVE DATA  
 PI = STA. 33+66.36  
 $\Delta = 9^{\circ}36'57''$  RT.  
 R = 350.00'  
 T = 29.44'  
 L = 58.74'

CL CURVE DATA  
 PI = STA. 37+45.29  
 $\Delta = 21^{\circ}07'52''$  LT.  
 R = 350.00'  
 T = 65.28'  
 L = 129.08'

CL CURVE DATA  
 PI = STA. 40+86.86  
 $\Delta = 12^{\circ}40'09''$  LT.  
 R = 350.00'  
 T = 38.85'  
 L = 77.39'

CL CURVE DATA  
 PI = STA. 47+44.05  
 $\Delta = 44^{\circ}53'53''$  LT.  
 R = 520.00'  
 T = 214.85'  
 L = 407.48'

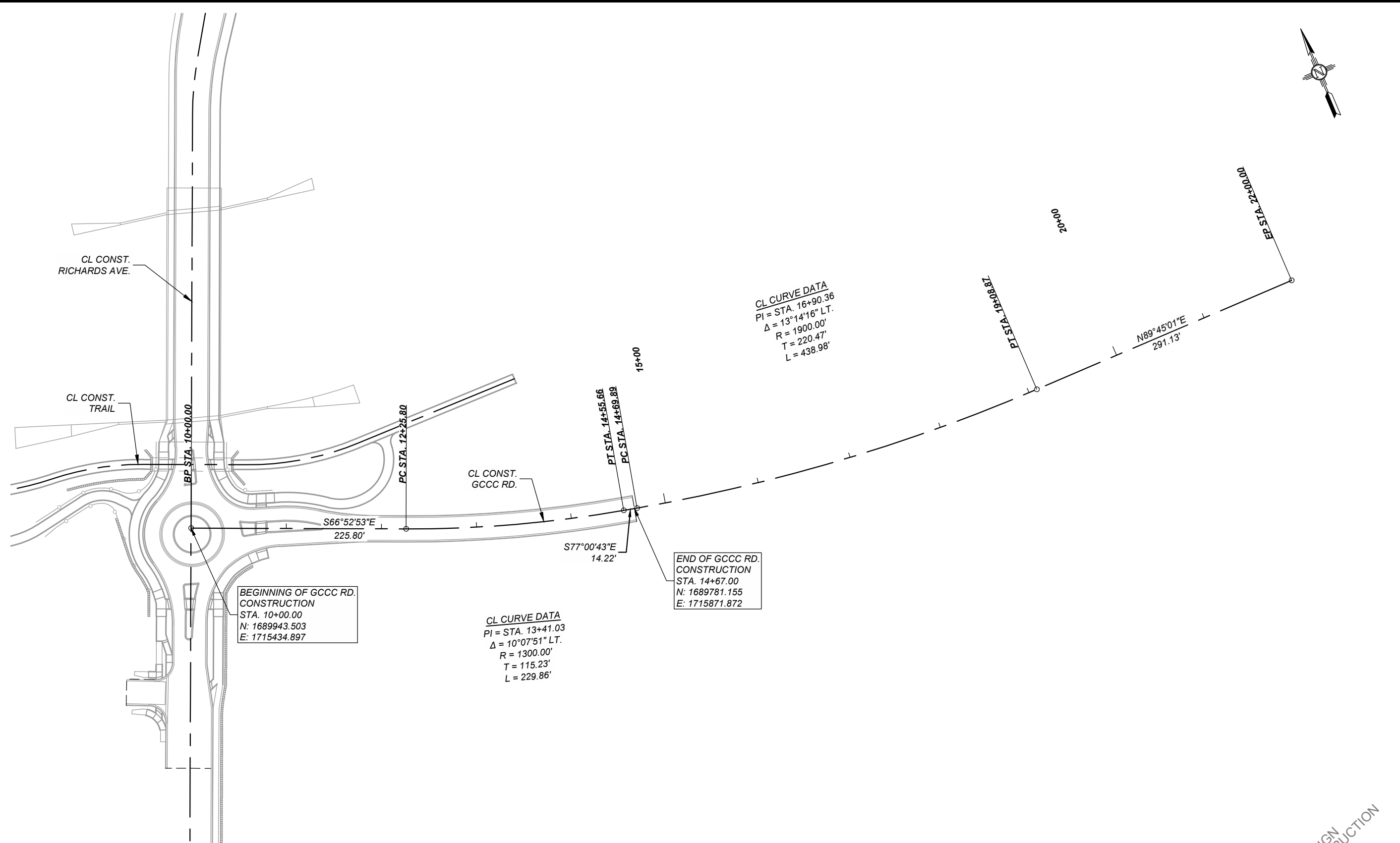
CL CURVE DATA  
 PI = STA. 55+54.75  
 $\Delta = 7^{\circ}38'13''$  RT.  
 R = 1500.00'  
 T = 100.11'  
 L = 199.93'

- NOTES
1. ALL COORDINATE VALUES LISTED ARE LOCAL PROJECT GROUND COORDINATES.
  2. ELEVATIONS LISTED ARE NAVD 88.
  3. ALL HORIZONTAL CURVES ON THE PROJECT ARE BASED ON THE ARC DEFINITION. RADIUS OF 1° (ONE DEGREE) = 5729.578°

NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
 PROJECT HORIZONTAL LAYOUT

30% DESIGN  
 NOT FOR CONSTRUCTION



BEGINNING OF GCCC RD. CONSTRUCTION  
 STA. 10+00.00  
 N: 1689943.503  
 E: 1715434.897

END OF GCCC RD. CONSTRUCTION  
 STA. 14+67.00  
 N: 1689781.155  
 E: 1715871.872

CL CURVE DATA  
 PI = STA. 13+41.03  
 $\Delta = 10^{\circ}07'51''$  L.T.  
 R = 1300.00'  
 T = 115.23'  
 L = 229.86'

CL CURVE DATA  
 PI = STA. 16+90.36  
 $\Delta = 13^{\circ}14'16''$  L.T.  
 R = 1900.00'  
 T = 220.47'  
 L = 438.98'

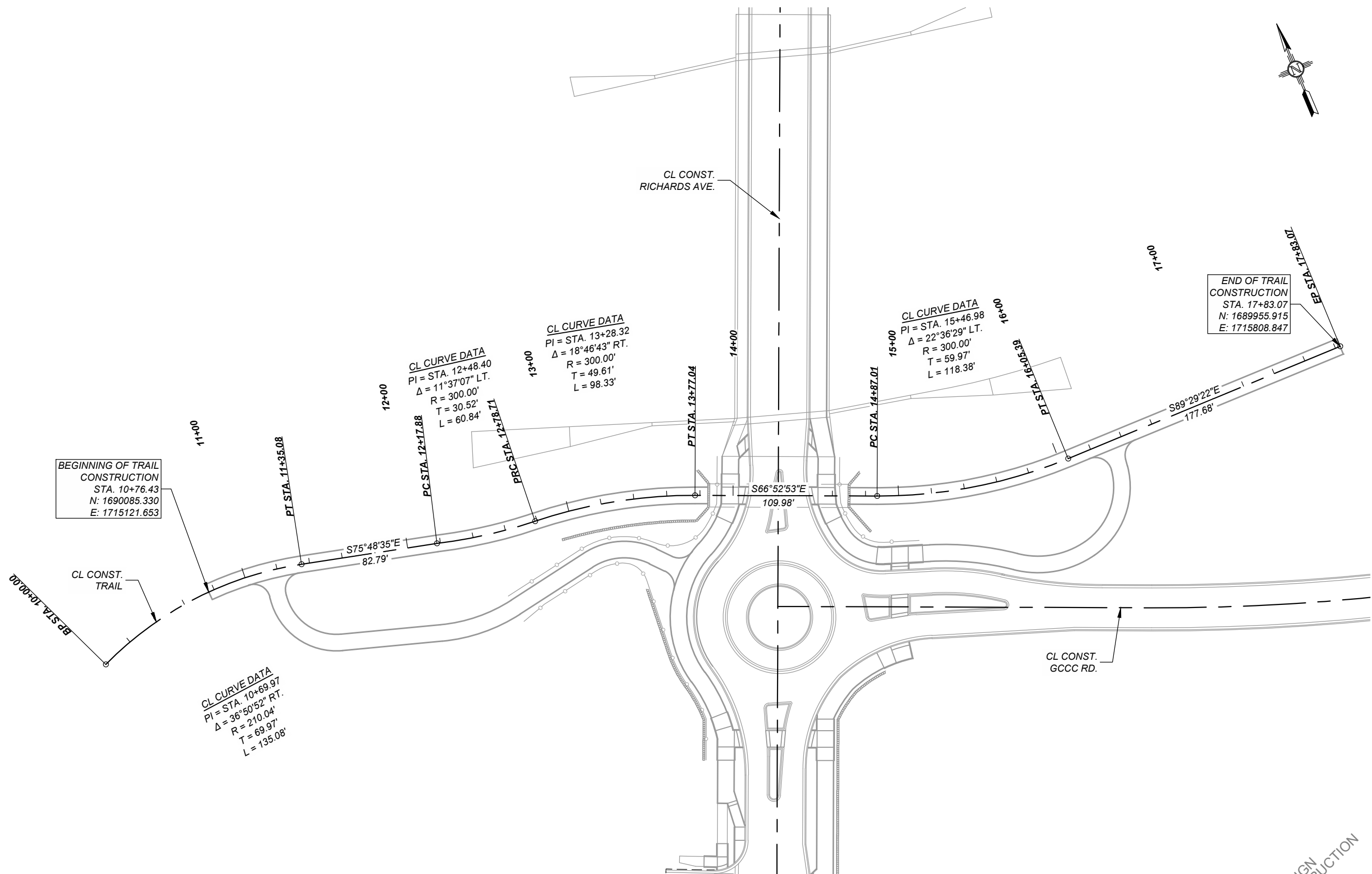
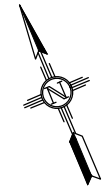
NOTES

1. ALL COORDINATE VALUES LISTED ARE LOCAL PROJECT GROUND COORDINATES.
2. ELEVATIONS LISTED ARE NAVD 88.
3. ALL HORIZONTAL CURVES ON THE PROJECT ARE BASED ON THE ARC DEFINITION. RADIUS OF 1° (ONE DEGREE) = 5729.578°

NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
 PROJECT HORIZONTAL LAYOUT

30% DESIGN  
 NOT FOR CONSTRUCTION



BEGINNING OF TRAIL  
CONSTRUCTION  
STA. 10+76.43  
N: 1690085.330  
E: 1715121.653

END OF TRAIL  
CONSTRUCTION  
STA. 17+83.07  
N: 1689955.915  
E: 1715808.847

CL CURVE DATA  
PI = STA. 10+69.97  
Δ = 36°50'52" RT.  
R = 210.04'  
T = 69.97'  
L = 135.08'

CL CURVE DATA  
PI = STA. 12+48.40  
Δ = 11°37'07" LT.  
R = 300.00'  
T = 30.52'  
L = 60.84'

CL CURVE DATA  
PI = STA. 13+28.32  
Δ = 18°46'43" RT.  
R = 300.00'  
T = 49.61'  
L = 98.33'

CL CURVE DATA  
PI = STA. 15+46.98  
Δ = 22°36'29" LT.  
R = 300.00'  
T = 59.97'  
L = 118.38'

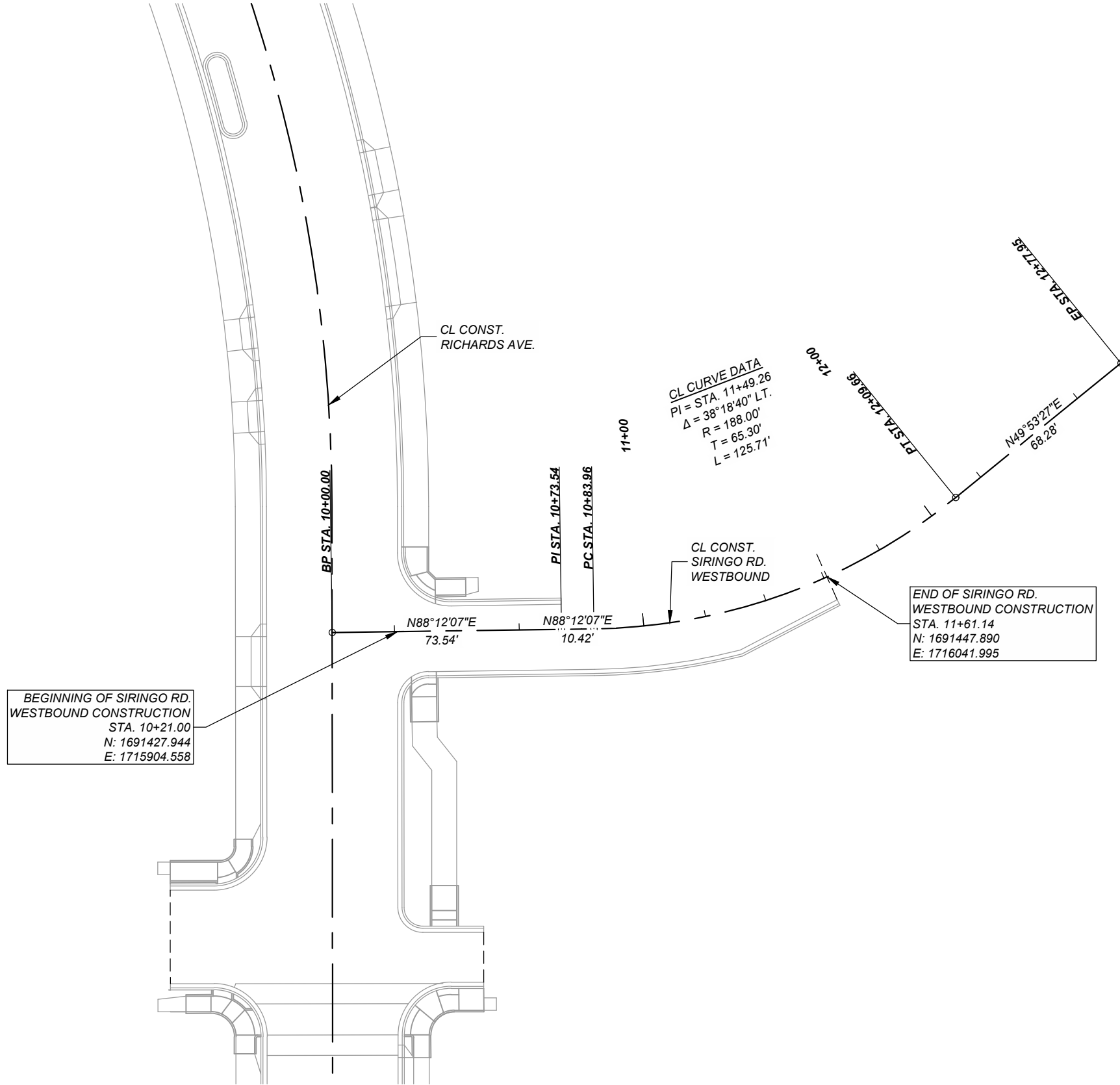
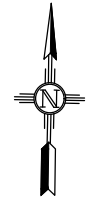
NOTES

1. ALL COORDINATE VALUES LISTED ARE LOCAL PROJECT GROUND COORDINATES.
2. ELEVATIONS LISTED ARE NAVD 88.
3. ALL HORIZONTAL CURVES ON THE PROJECT ARE BASED ON THE ARC DEFINITION.  
RADIUS OF 1° (ONE DEGREE) = 5729.578°

NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
PROJECT HORIZONTAL LAYOUT

30% DESIGN  
NOT FOR CONSTRUCTION



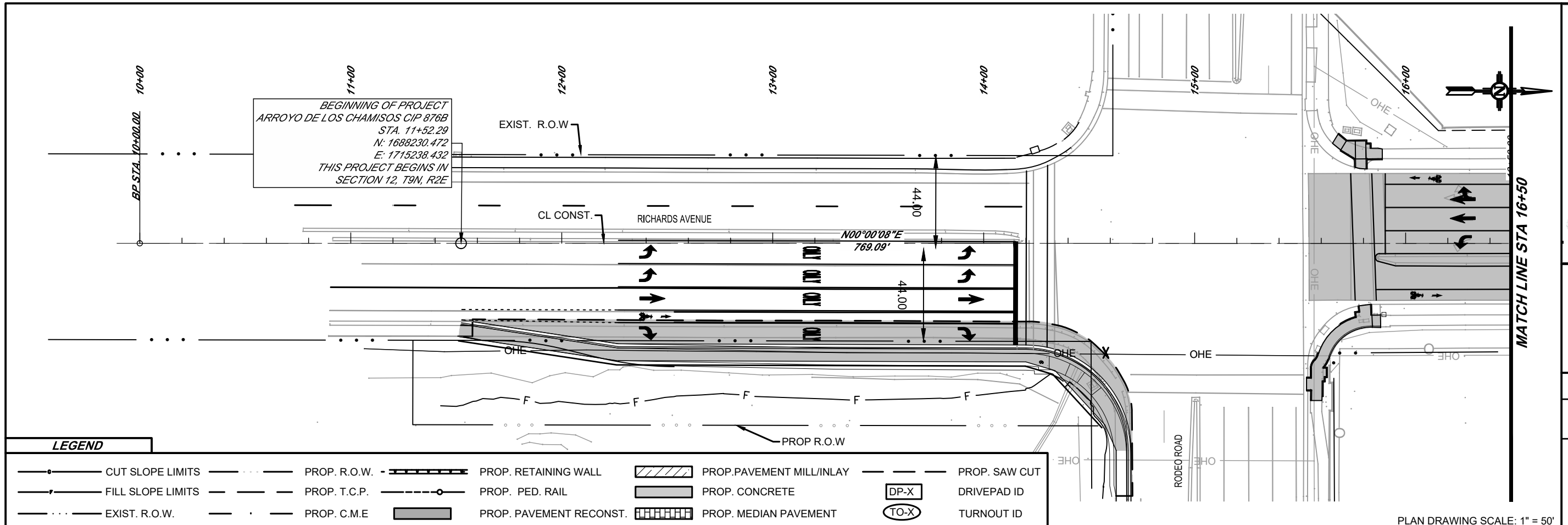
NOTES

1. ALL COORDINATE VALUES LISTED ARE LOCAL PROJECT GROUND COORDINATES.
2. ELEVATIONS LISTED ARE NAVD 88.
3. ALL HORIZONTAL CURVES ON THE PROJECT ARE BASED ON THE ARC DEFINITION. RADIUS OF 1° (ONE DEGREE) = 5729.578°

30% DESIGN  
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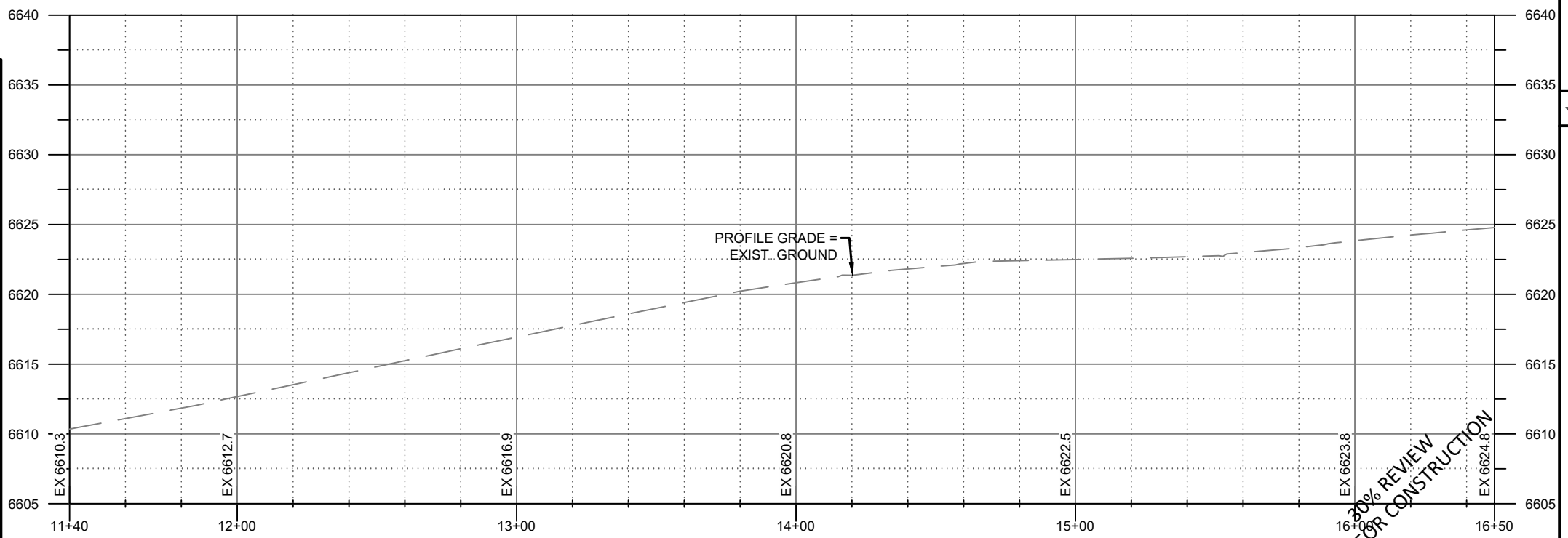
ARROYO DE LOS CHAMISOS CROSSING  
PROJECT HORIZONTAL LAYOUT



- NOTES**
- SEE SHEET 3-0 FOR SURVEY CONTROL INFORMATION.
  - SEE SHEETS 3-0A TO 3-0E FOR CL HORIZONTAL LAYOUT
  - SEE 2 SERIES FOR TYPICAL SECTIONS
  - SEE 2 SERIES FOR CURB RAMP DETAILS
  - SEE 4 SERIES FOR TURNOUT PROFILES AND BUILD NOTES

**PROJECT ABBREVIATIONS**

ABUT ABUTMENT	OFF. OFFSET
AVG AVERAGE	PED. PEDESTRIAN
B.O.P. BEGINNING OF PROJECT	PC POINT OF CURVATURE
BRG BRIDGE	PI POINT OF INTERSECTION
CL CENTERLINE	PRC POINT OF REVERSE CURVATURE
C.M.E. CONSTRUCTION MAINTENANCE EASEMENT	PRESC. PRESCRIPTIVE
CMP CORRUGATED METAL PIPE	PT POINT OF TANGENCY
CP CULVERT PIPE	PG PROFILE GRADE
CONST. CONSTRUCTION	PROP. PROPOSED
DIA DIAMETER	PVC. POINT OF VERTICAL CURVATURE
Δφ DELTA	PVT. POINT OF VERTICAL TANGENCY
DOC DEGREE OF CURVATURE	R RADIUS
DS DRAINAGE STRUCTURE	RT. RIGHT
DWG. DRAWING	R.O.W. RIGHT-OF-WAY
EL ELEVATION	SHLD SHOULDER
ELEV. ELEVATION	STA. STATION
E.O.P. END OF PROJECT	STD STANDARD
EX. EXISTING	T. TANGENT
EXST. EXISTING	TCP TEMPORARY CONSTRUCTION PERMIT
FL FLOWLINE	TO TURNOUT
LT. LEFT	TYP. TYPICAL
MAX. MAXIMUM	
MIN. MINIMUM	

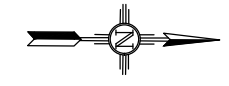
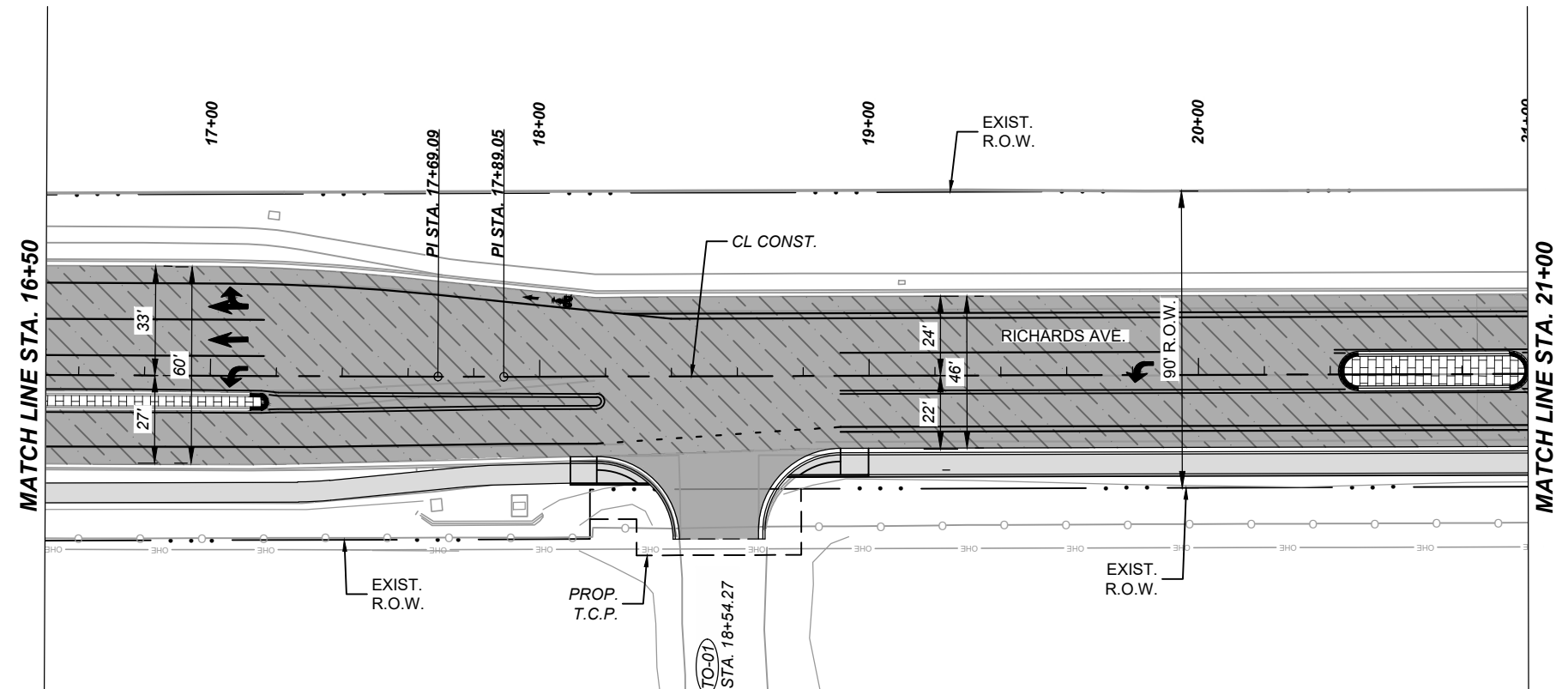


**30% REVIEW**  
**NOT FOR CONSTRUCTION**



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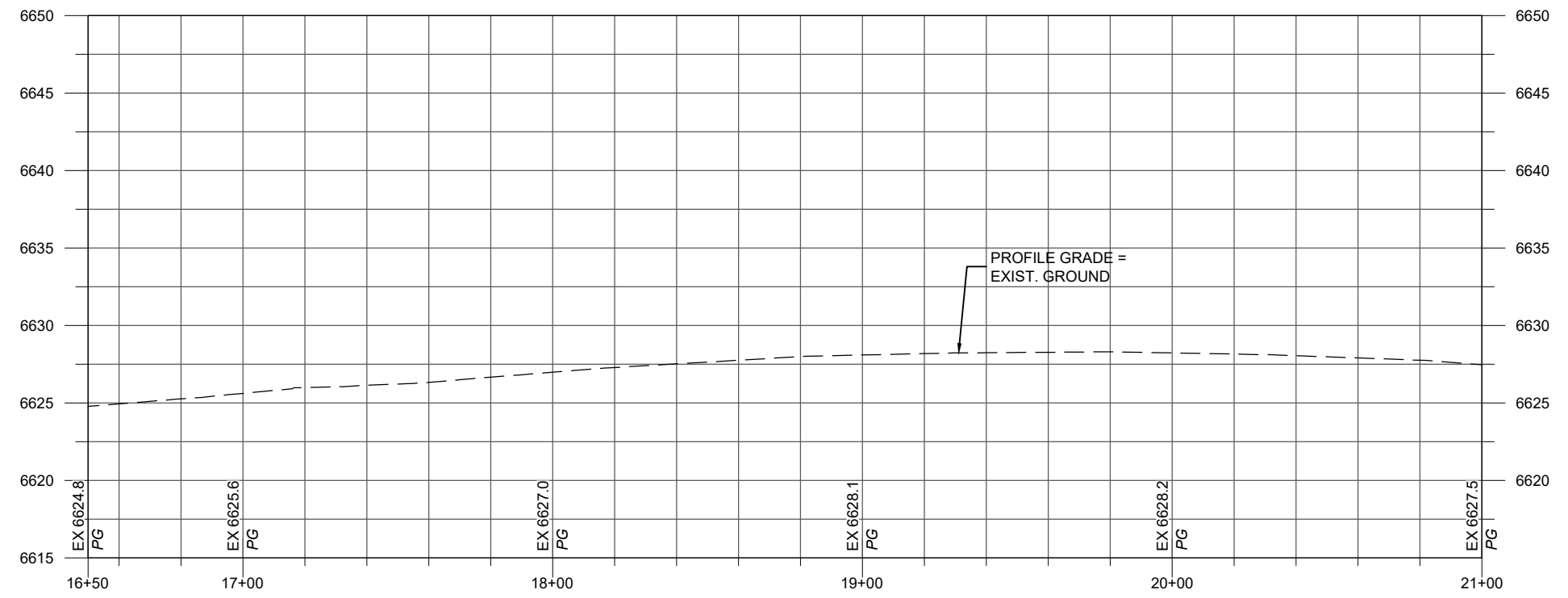
**ARROYO DE LOS CHAMISOS CROSSING ROADWAY PLAN AND PROFILE (RICHARDS)**



**LEGEND**

— C —	CUT SLOPE LIMITS	— • • • —	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	— — —	PROP. SAW CUT
— F —	FILL SLOPE LIMITS	- - - - -	PROP. T.C.P.	○	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
• • •	EXIST. R.O.W.	— — —	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



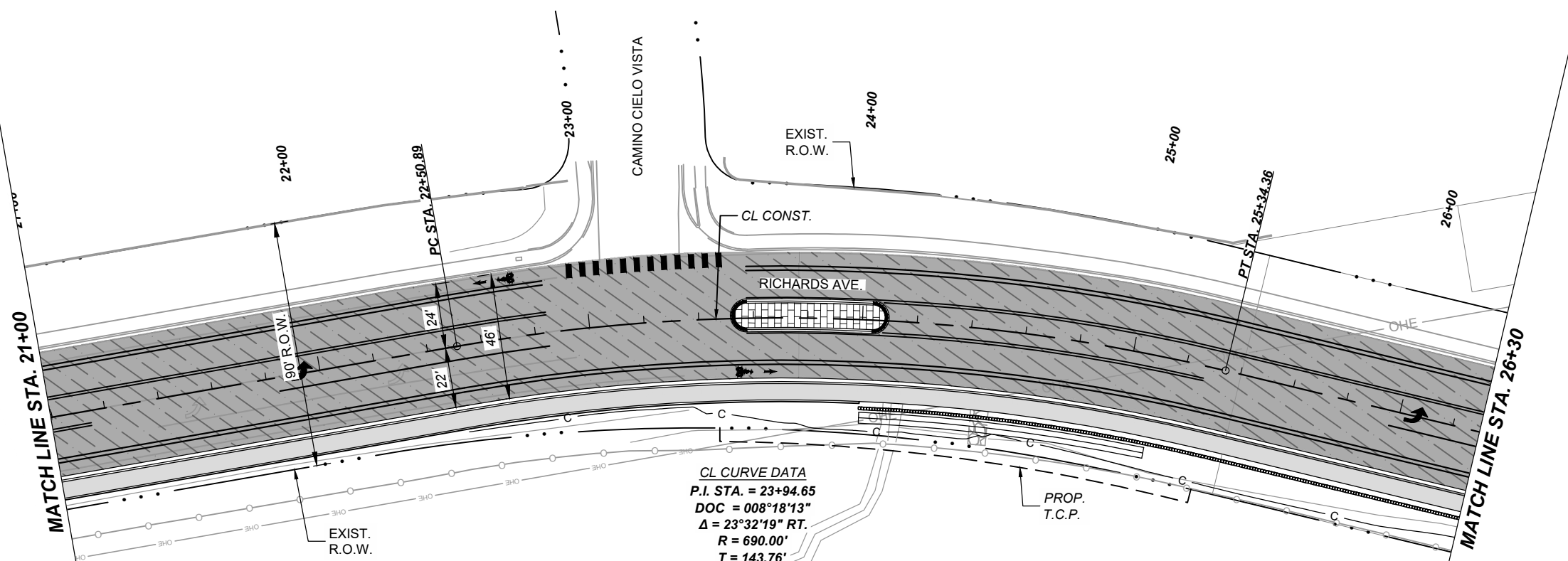
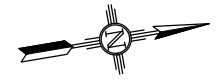
30% DESIGN  
 NOT FOR CONSTRUCTION



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ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)

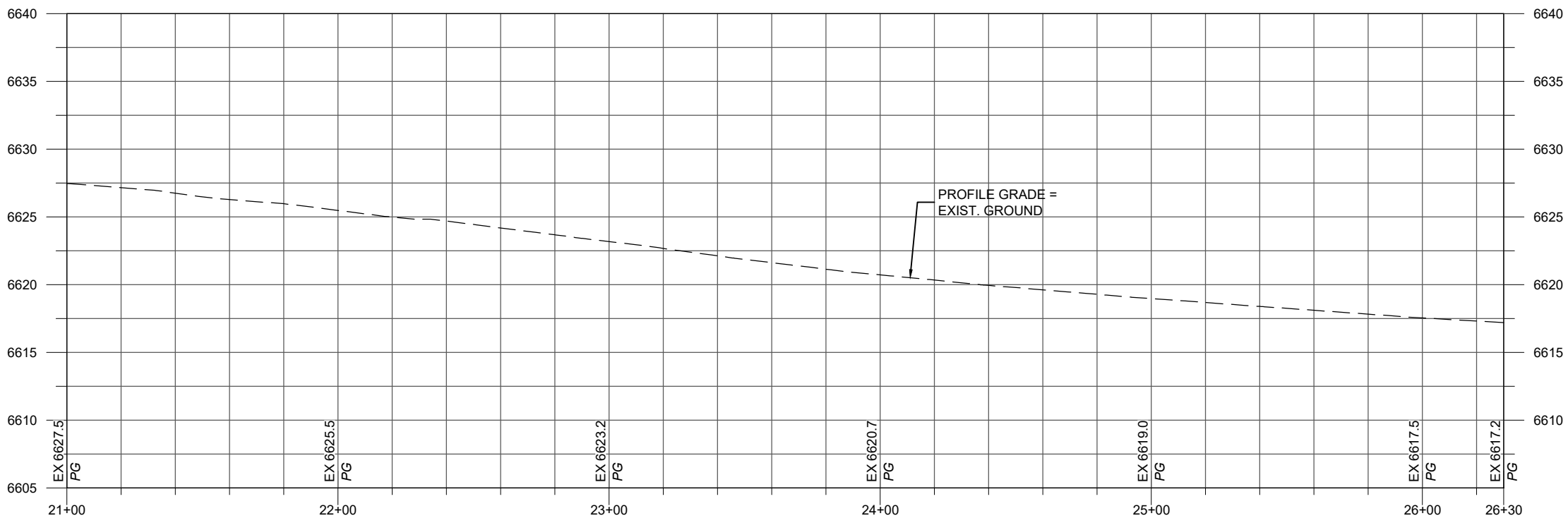




**CL CURVE DATA**  
 P.I. STA. = 23+94.65  
 DOC = 008°18'13"  
 $\Delta$  = 23°32'19" RT.  
 R = 690.00'  
 T = 143.76'  
 L = 283.47'

LEGEND							
C	CUT SLOPE LIMITS	—•••—	PROP. R.O.W.	▨	PROP. RETAINING WALL	— — —	PROP. SAW CUT
F	FILL SLOPE LIMITS	- - - - -	PROP. T.C.P.	▨	PROP. PED. RAIL	DP-X	DRIVEPAD ID
•••	EXIST. R.O.W.	—•••—	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	TO-X	TURNOUT ID

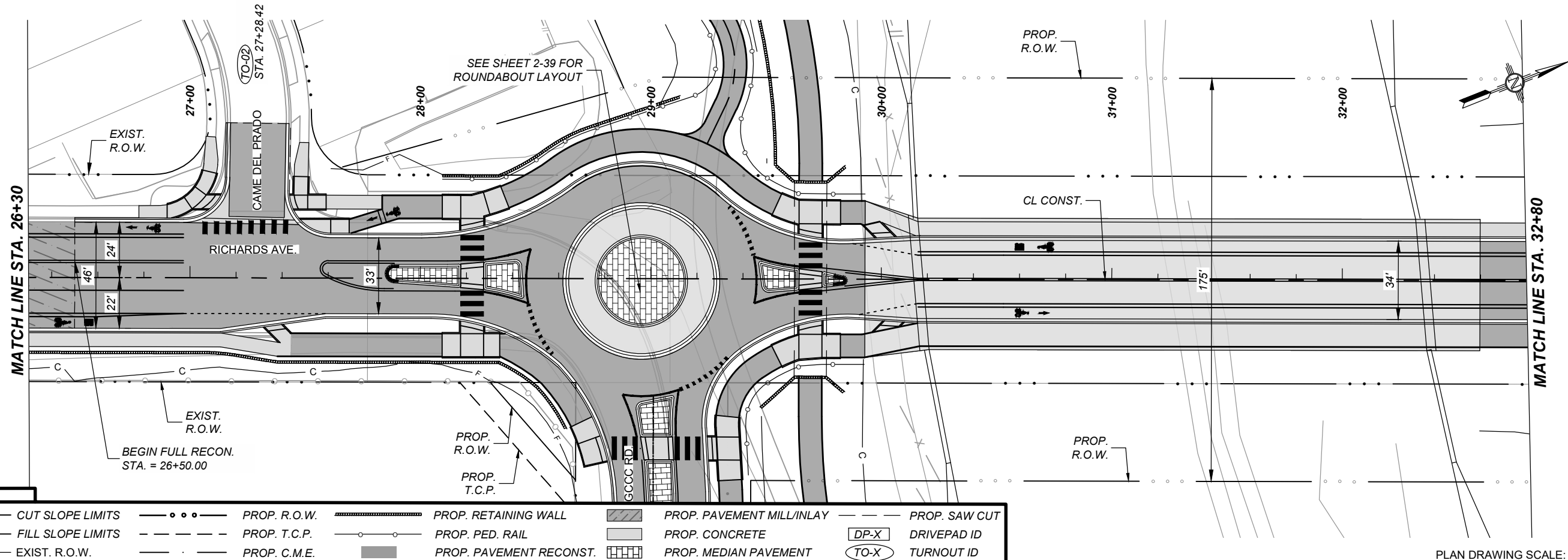
PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



30% DESIGN  
 NOT FOR CONSTRUCTION

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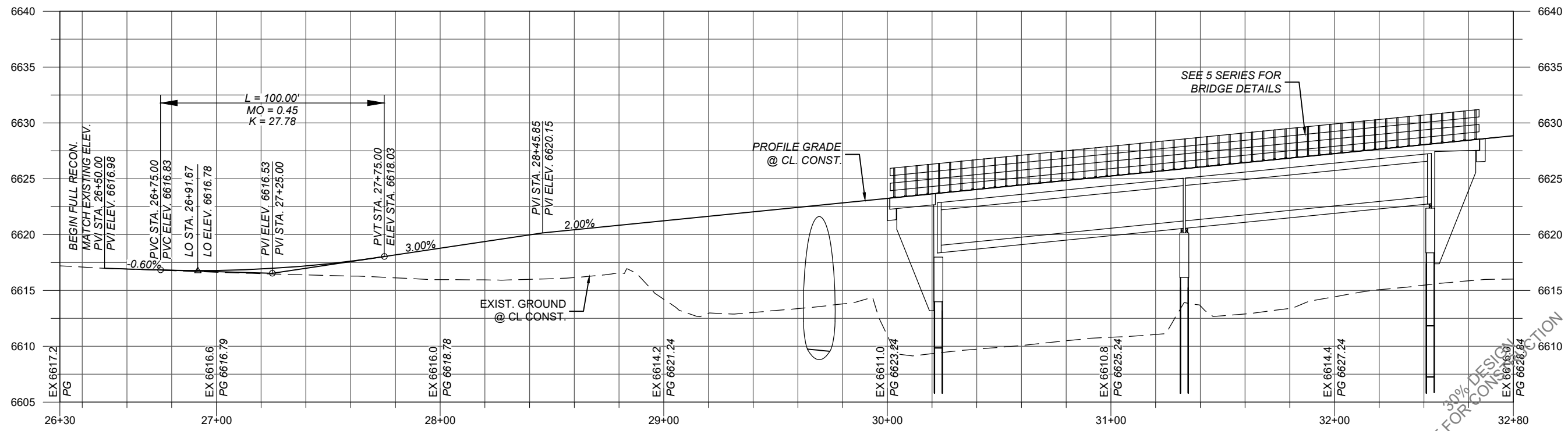
ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)



LEGEND

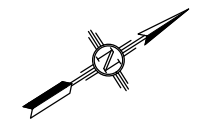
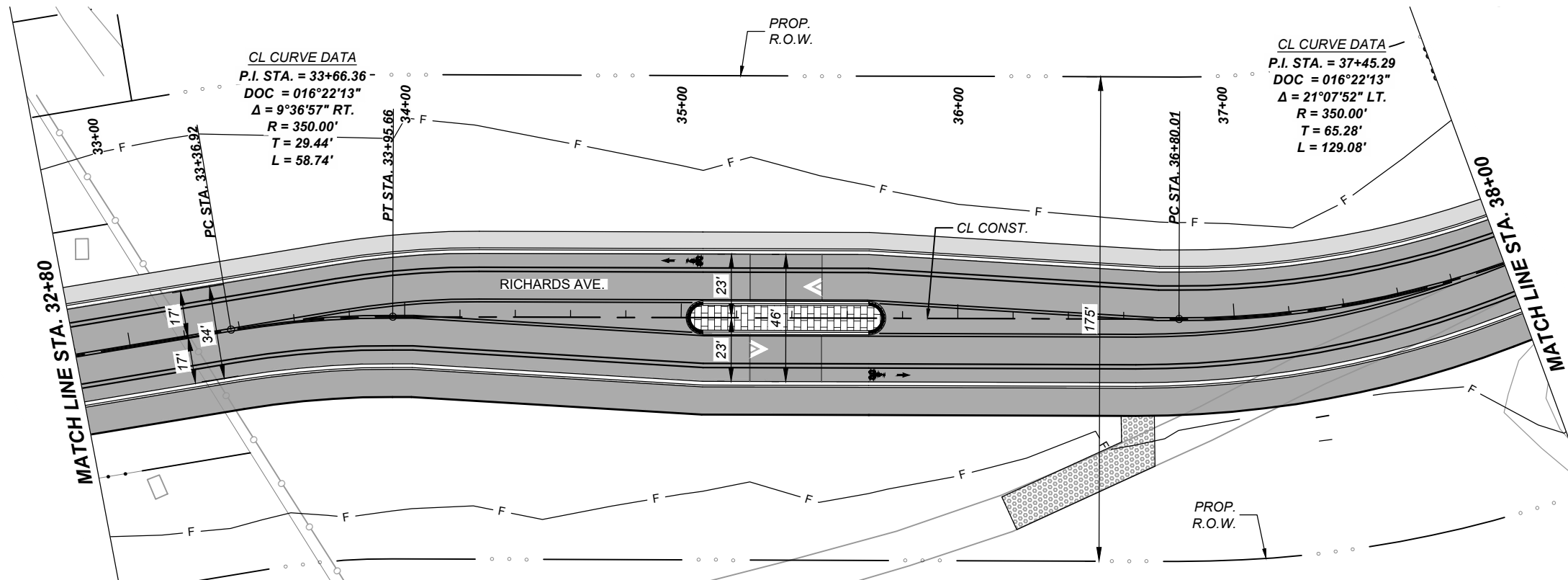
C	CUT SLOPE LIMITS	---	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	- - -	PROP. SAW CUT
F	FILL SLOPE LIMITS	- - -	PROP. T.C.P.	▨	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
---	EXIST. R.O.W.	---	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



NO.	DESCRIPTION	DATE	BY
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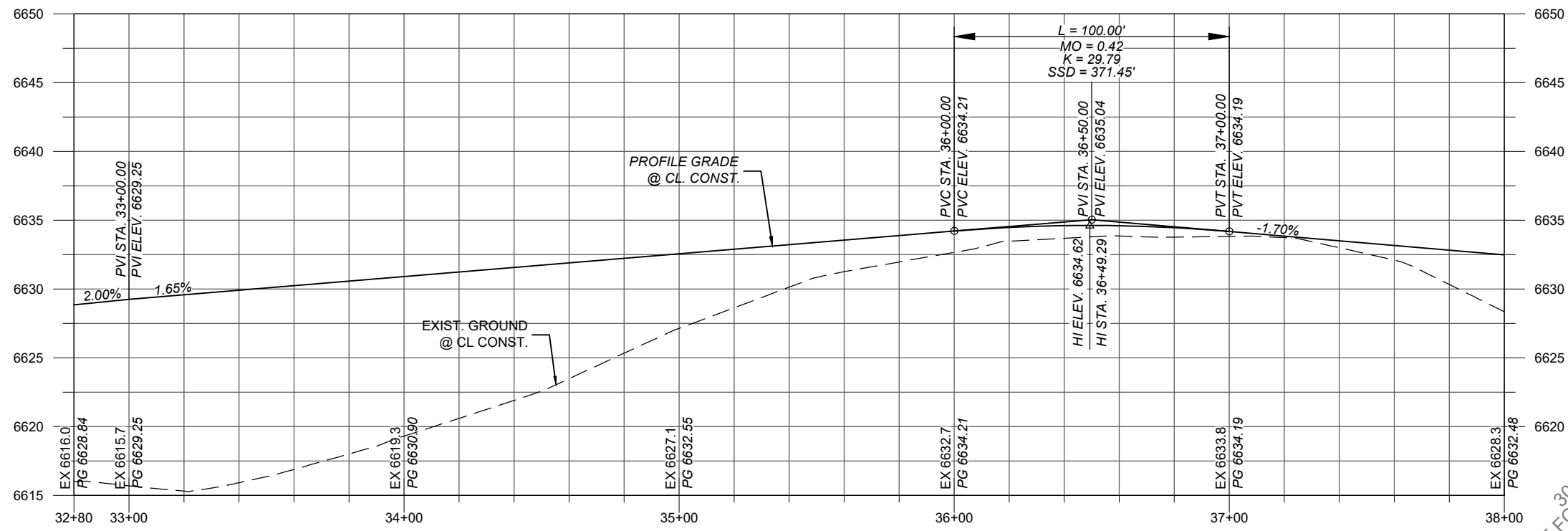
ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)



LEGEND

C	CUT SLOPE LIMITS	---	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	---	PROP. T.C.P.	▨	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
---	EXIST. R.O.W.	---	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

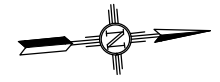
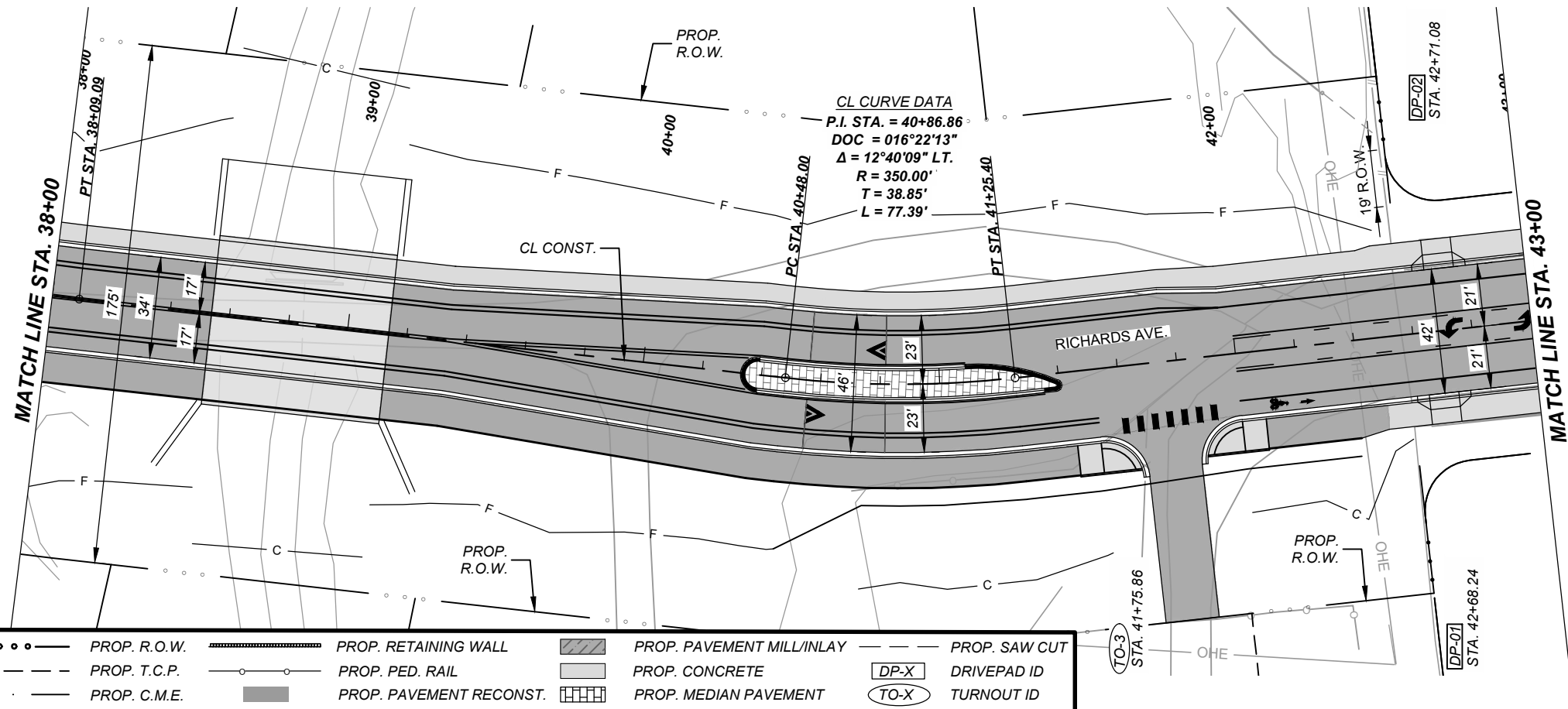
PLAN DRAWING SCALE: 1" = 50'  
HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



30% DESIGN  
NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	BY
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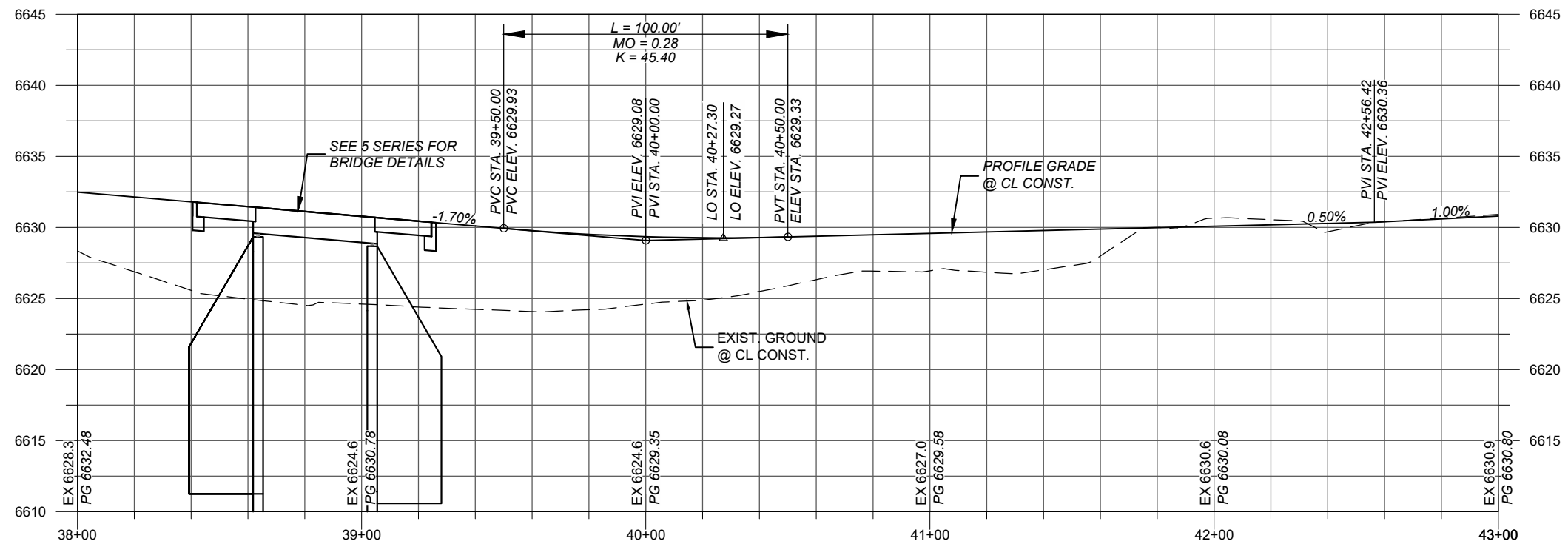
ARROYO DE LOS CHAMISOS CROSSING  
ROADWAY PLAN AND PROFILE (RICHARDS)



**LEGEND**

C	CUT SLOPE LIMITS	—•••—	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	- - - - -	PROP. T.C.P.	▨	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
•••	EXIST. R.O.W.	—•••—	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'

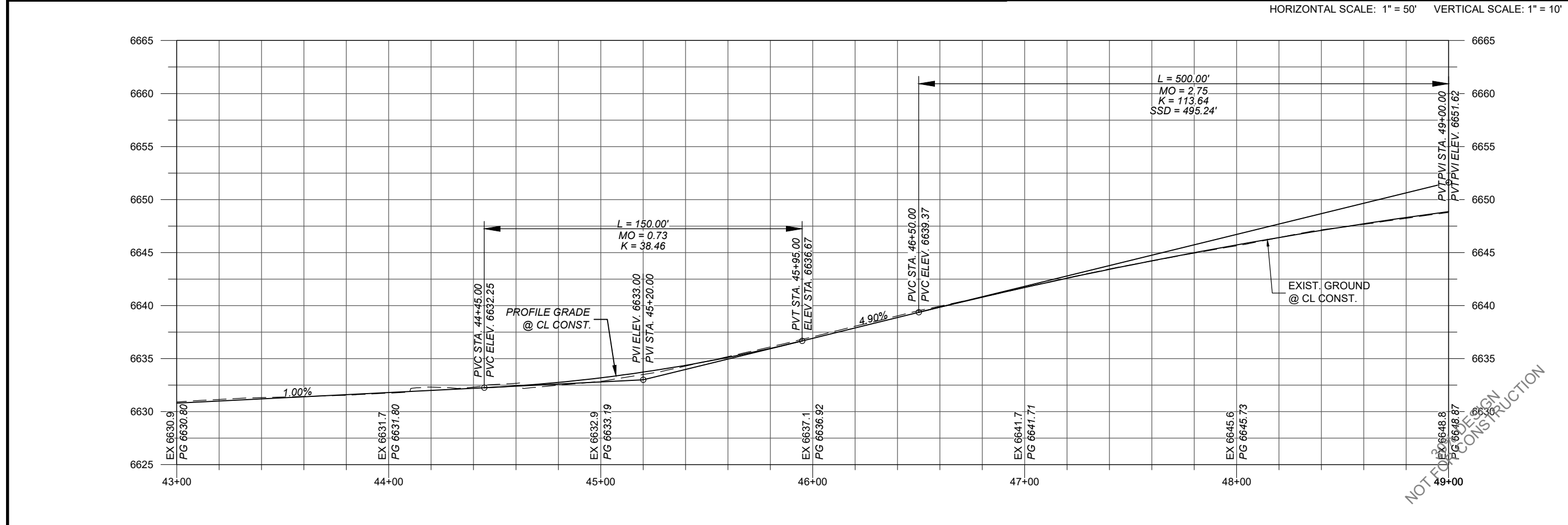
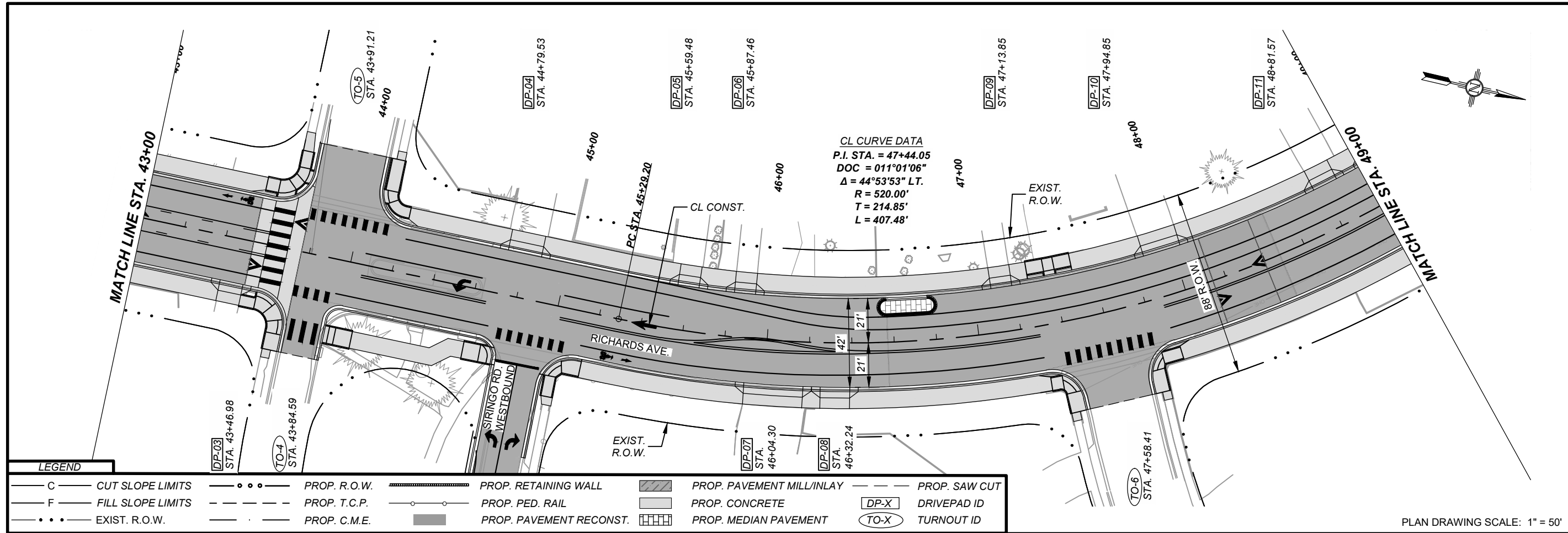


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 NOT FOR CONSTRUCTION

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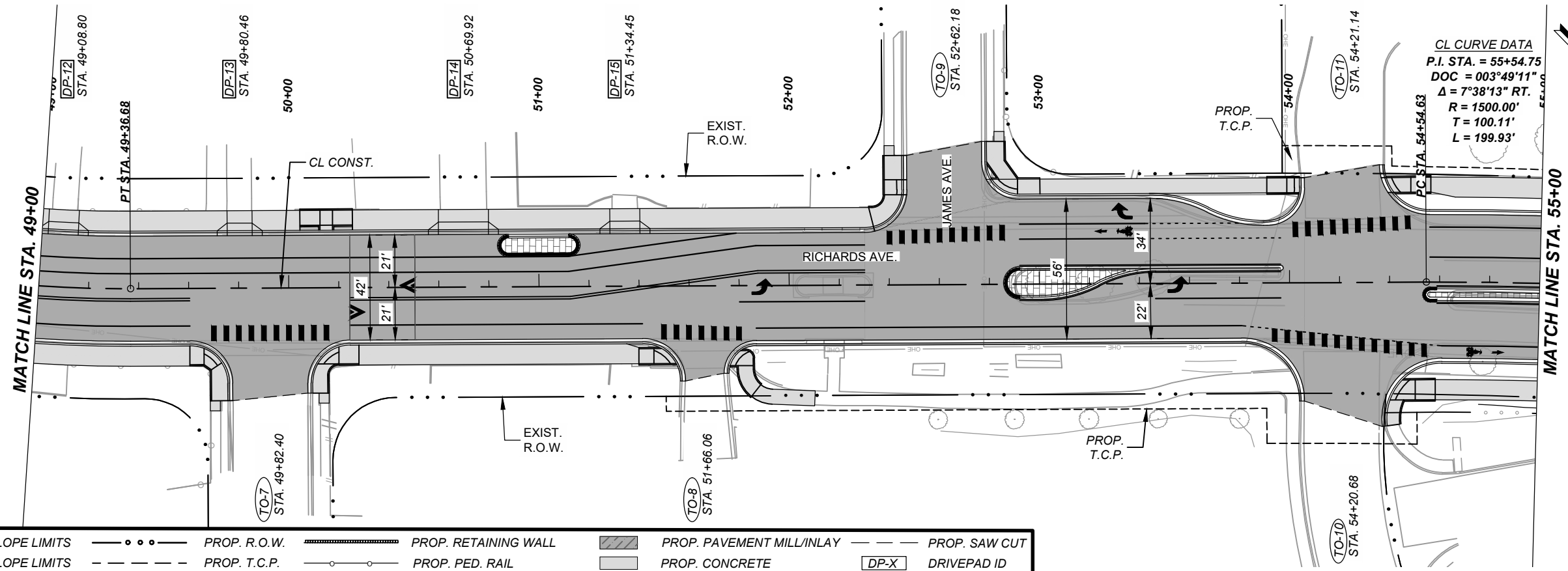
ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)





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ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)

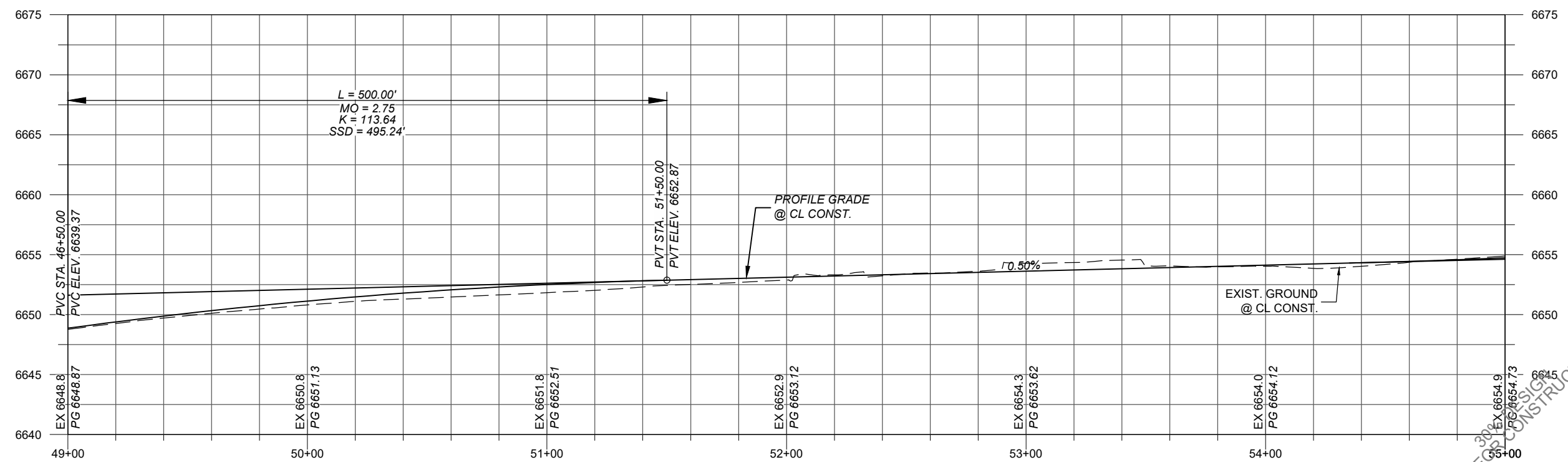


**CL CURVE DATA**  
 P.I. STA. = 55+54.75  
 DOC = 003°49'11"  
 Δ = 7°38'13" RT.  
 R = 1500.00'  
 T = 100.11'  
 L = 199.93'

**LEGEND**

C	CUT SLOPE LIMITS	— · · · —	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	- - - - -	PROP. T.C.P.	▨	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
· · ·	EXIST. R.O.W.	— · · · —	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

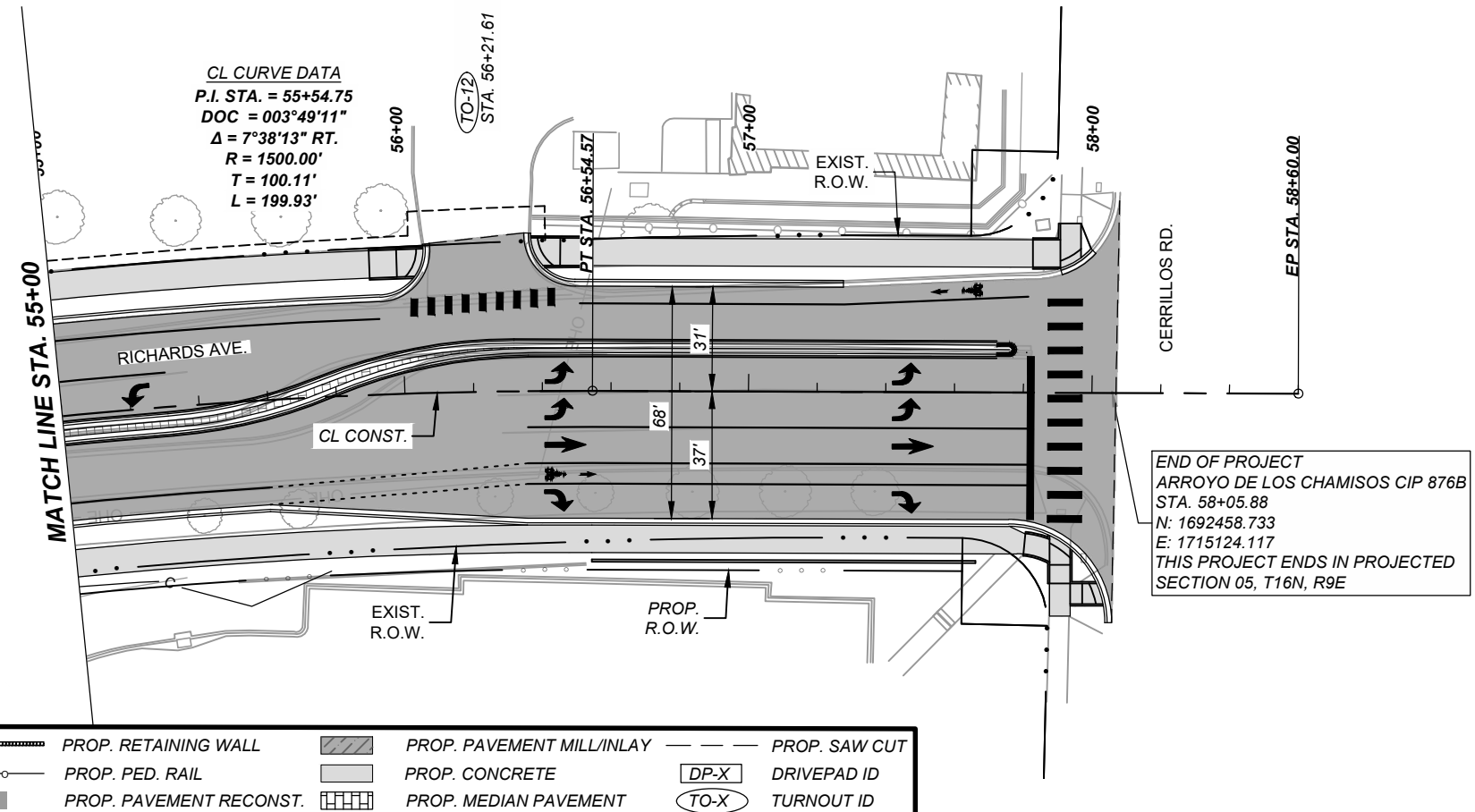
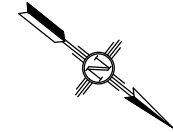
PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



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ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)





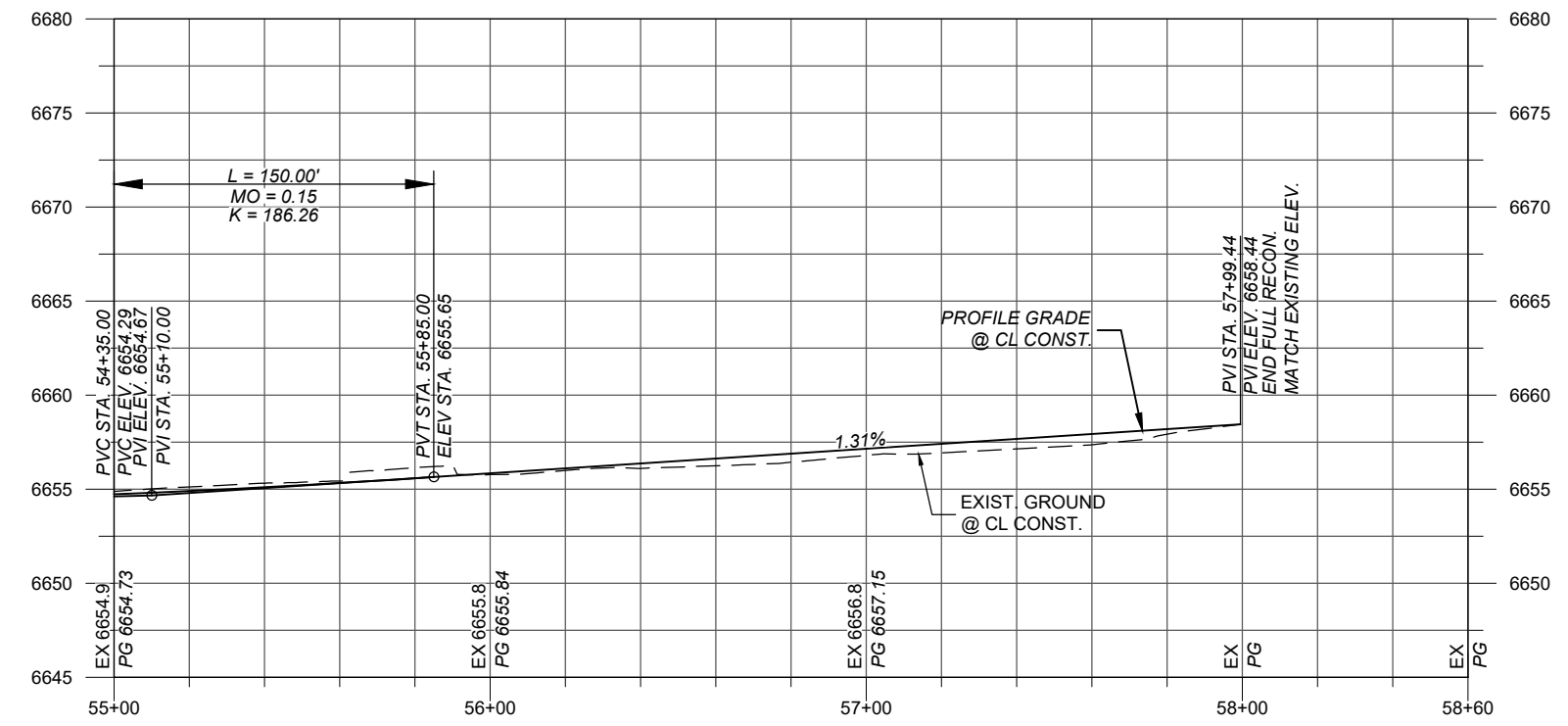
CL CURVE DATA  
 P.I. STA. = 55+54.75  
 DOC = 003°49'11"  
 Δ = 7°38'13" RT.  
 R = 1500.00'  
 T = 100.11'  
 L = 199.93'

END OF PROJECT  
 ARROYO DE LOS CHAMISOS CIP 876B  
 STA. 58+05.88  
 N: 1692458.733  
 E: 1715124.117  
 THIS PROJECT ENDS IN PROJECTED  
 SECTION 05, T16N, R9E

LEGEND

- C — CUT SLOPE LIMITS
- F — FILL SLOPE LIMITS
- EXIST. R.O.W.
- PROP. R.O.W.
- PROP. T.C.P.
- PROP. C.M.E.
- ▬▬▬ PROP. RETAINING WALL
- PROP. PED. RAIL
- ▬▬▬ PROP. PAVEMENT RECONST.
- ▨ PROP. PAVEMENT MILL/INLAY
- ▩ PROP. CONCRETE
- ▧ PROP. MEDIAN PAVEMENT
- PROP. SAW CUT
- DP-X DRIVEPAD ID
- TO-X TURNOUT ID

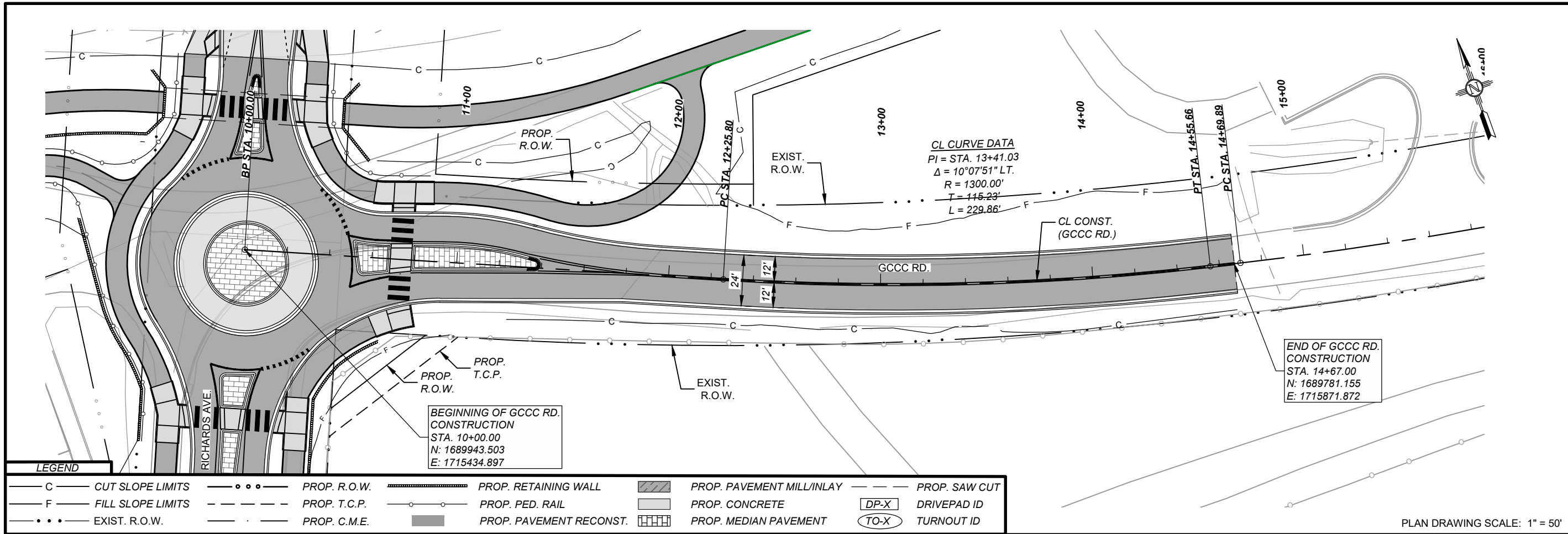
PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



30% DESIGN  
 NOT FOR CONSTRUCTION

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ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (RICHARDS)

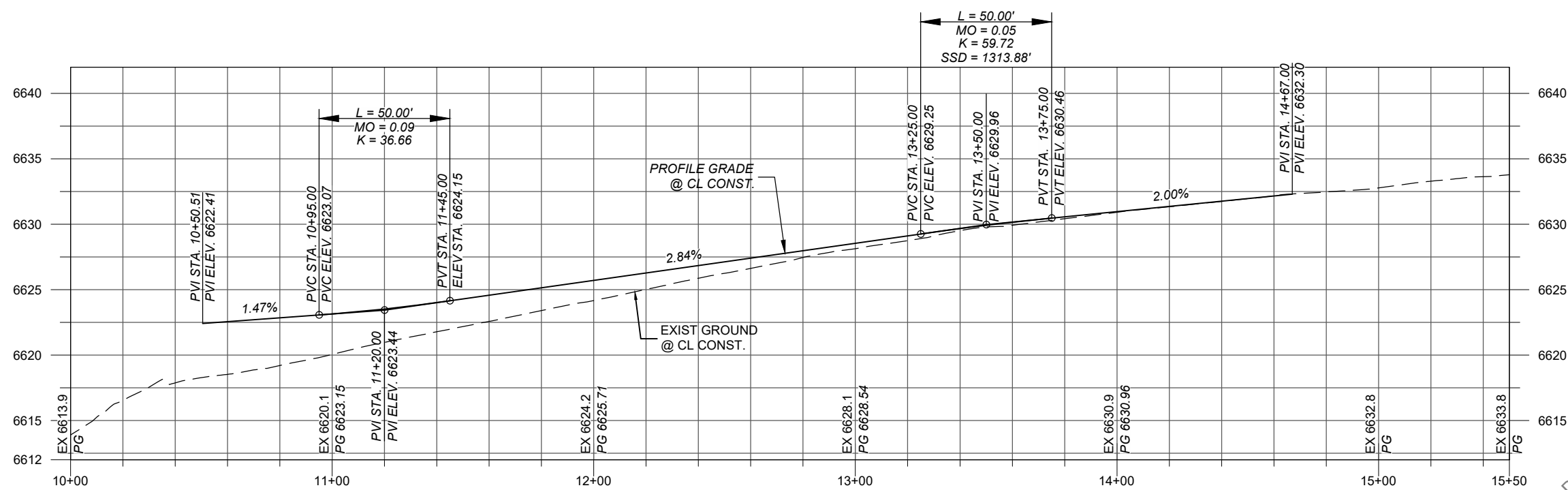


**LEGEND**

C	CUT SLOPE LIMITS	---●---	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	---	PROP. T.C.P.	▨	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
---	EXIST. R.O.W.	---	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

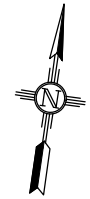
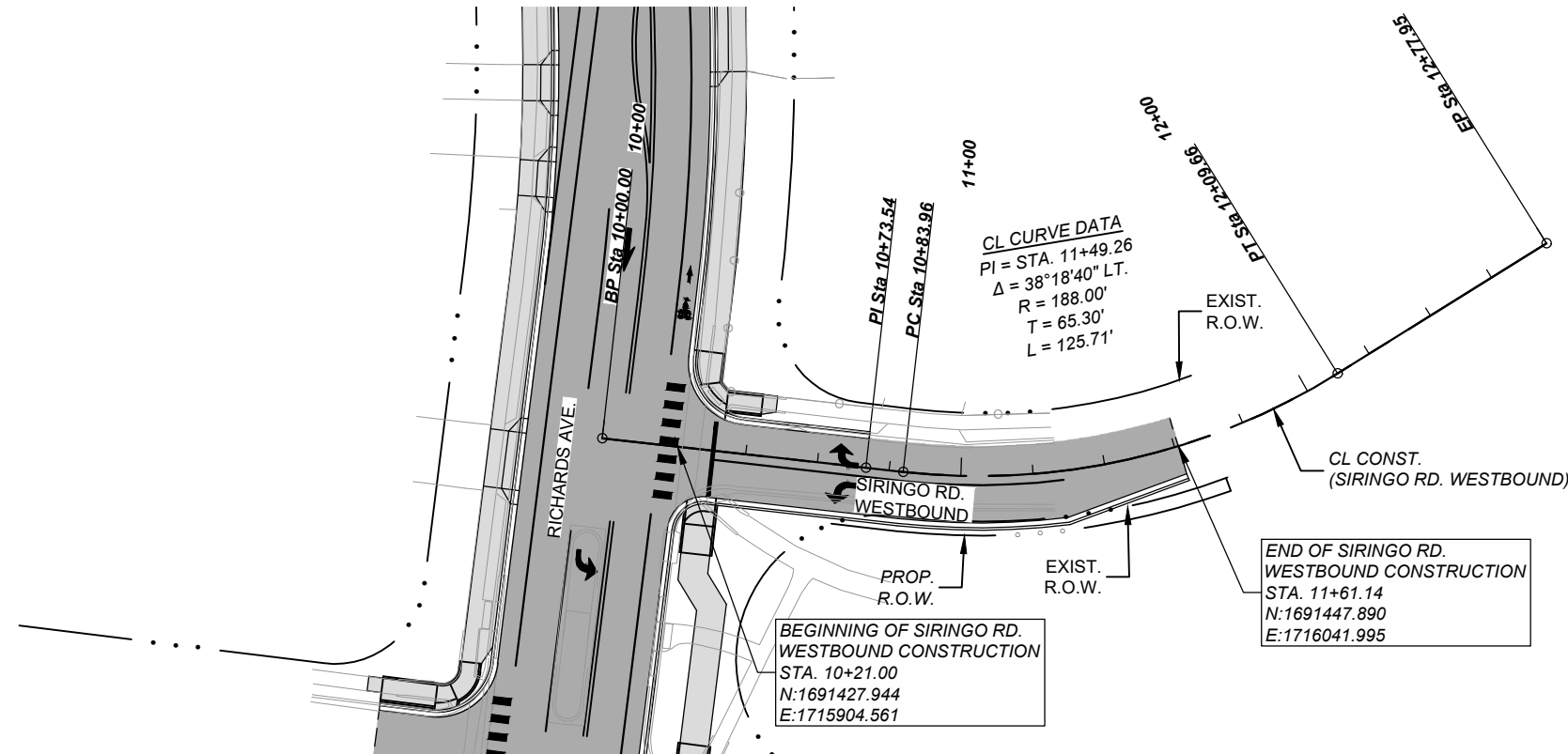
PLAN DRAWING SCALE: 1" = 50'  
 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'

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30% DESIGN  
 NOT FOR CONSTRUCTION

ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE (GCCC RD.)



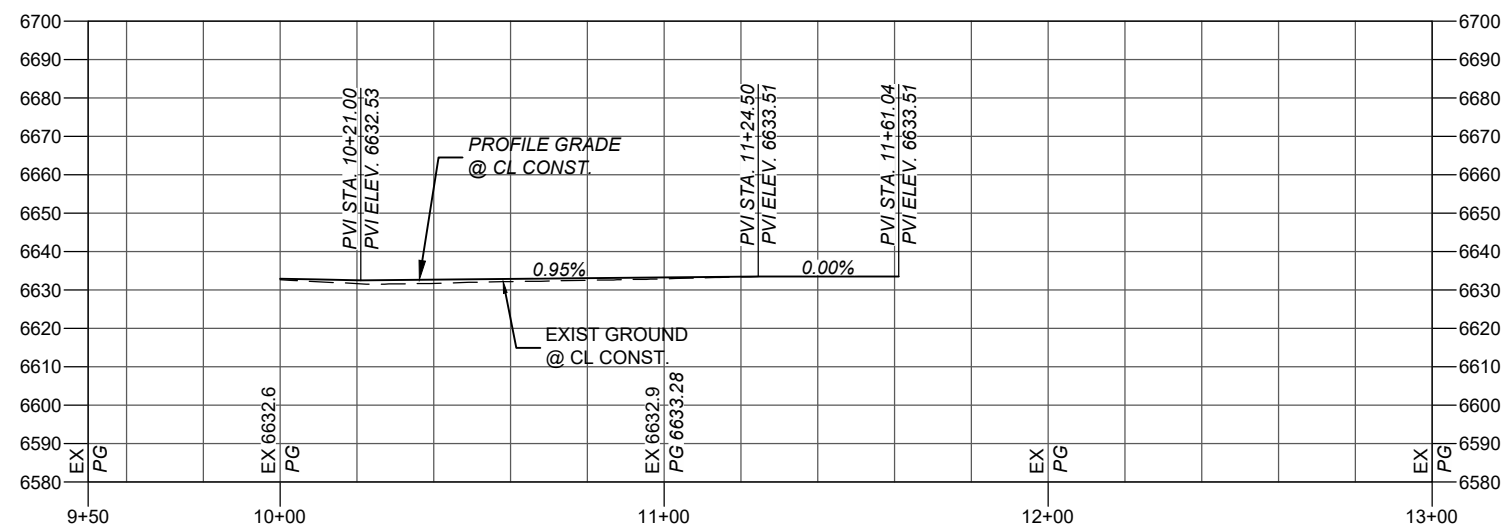
**LEGEND**

C	CUT SLOPE LIMITS	•••••	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	- - - - -	PROP. T.C.P.	○	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
•••••	EXIST. R.O.W.	---	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

PLAN DRAWING SCALE: 1" = 50'

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'

**NOTE: SUPPLEMENTAL SURVEY NEEDED**

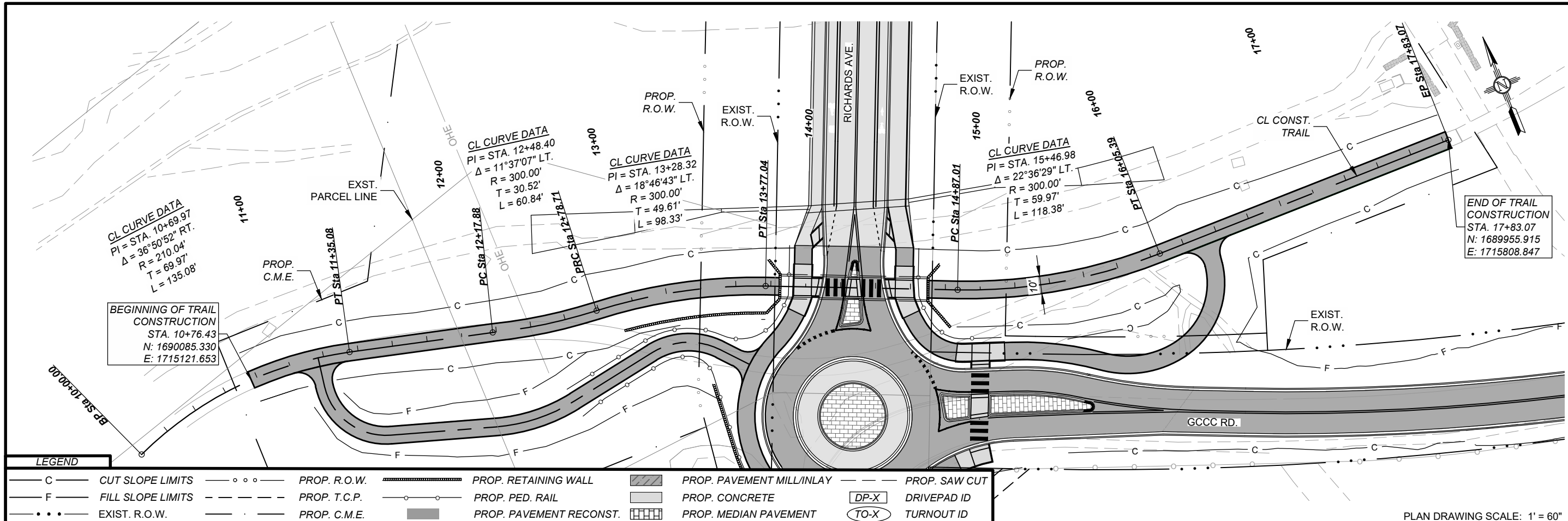


30% DESIGN  
 NOT FOR CONSTRUCTION



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ARROYO DE LOS CHAMISOS CROSSING  
 ROADWAY PLAN AND PROFILE  
 (SIRINGO RD. WESTBOUND)

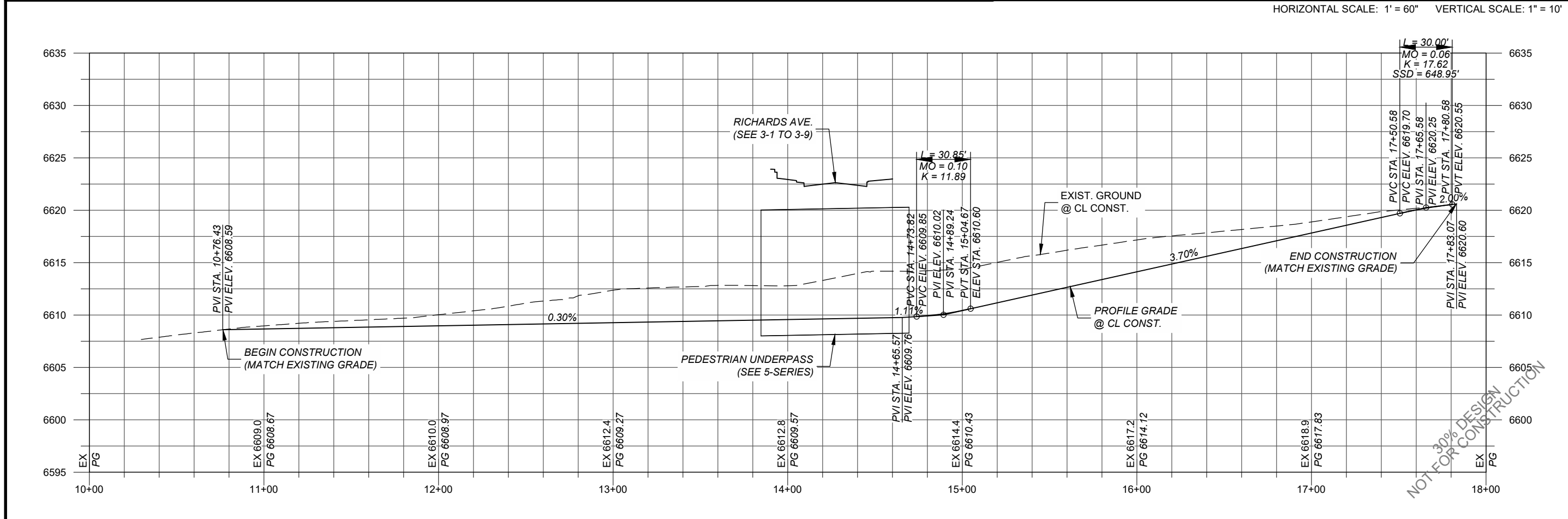


END OF TRAIL  
CONSTRUCTION  
STA. 17+83.07  
N: 1689955.915  
E: 1715808.847

**LEGEND**

C	CUT SLOPE LIMITS	---o---o---	PROP. R.O.W.	▨	PROP. RETAINING WALL	▨	PROP. PAVEMENT MILL/INLAY	---	PROP. SAW CUT
F	FILL SLOPE LIMITS	---	PROP. T.C.P.	○	PROP. PED. RAIL	▨	PROP. CONCRETE	DP-X	DRIVEPAD ID
---	EXIST. R.O.W.	---	PROP. C.M.E.	▨	PROP. PAVEMENT RECONST.	▨	PROP. MEDIAN PAVEMENT	TO-X	TURNOUT ID

PLAN DRAWING SCALE: 1" = 60"  
HORIZONTAL SCALE: 1" = 60" VERTICAL SCALE: 1" = 10"

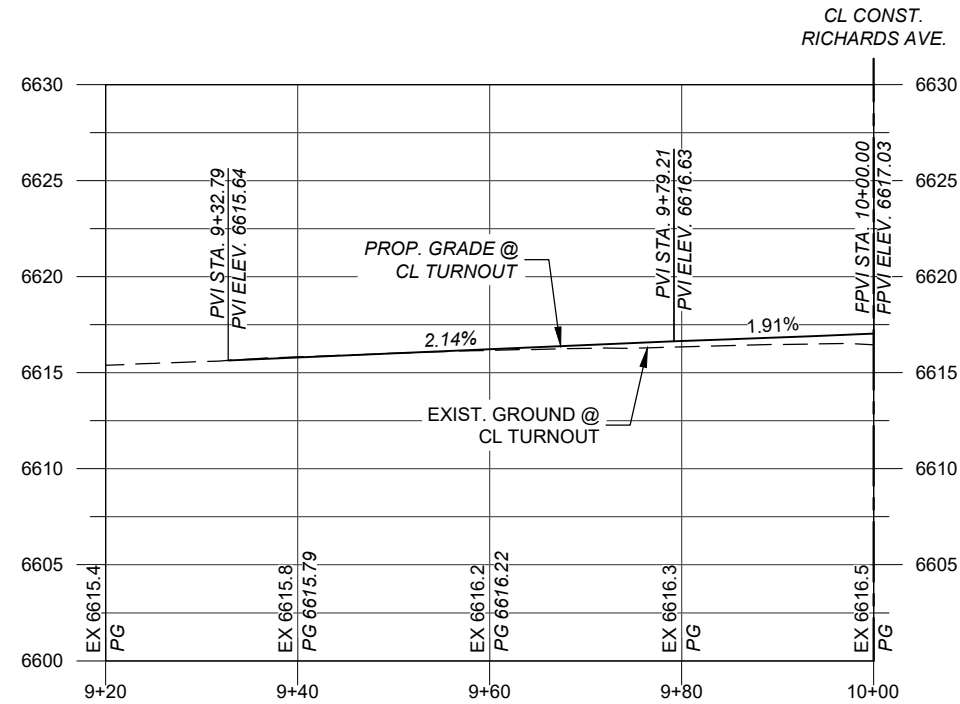


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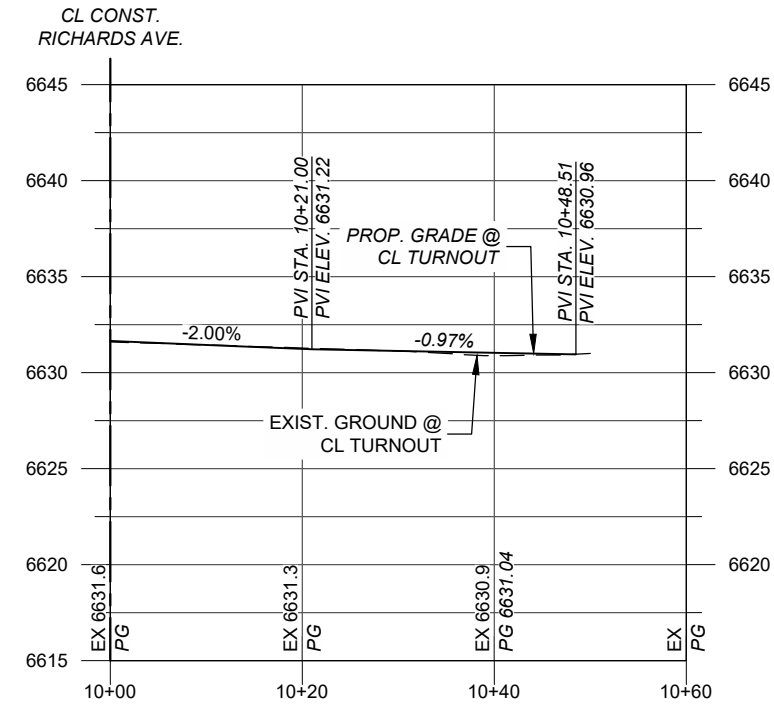
ARROYO DE LOS CHAMISOS CROSSING  
ROADWAY PLAN AND PROFILE (TRAIL)

30% DESIGN  
NOT FOR CONSTRUCTION

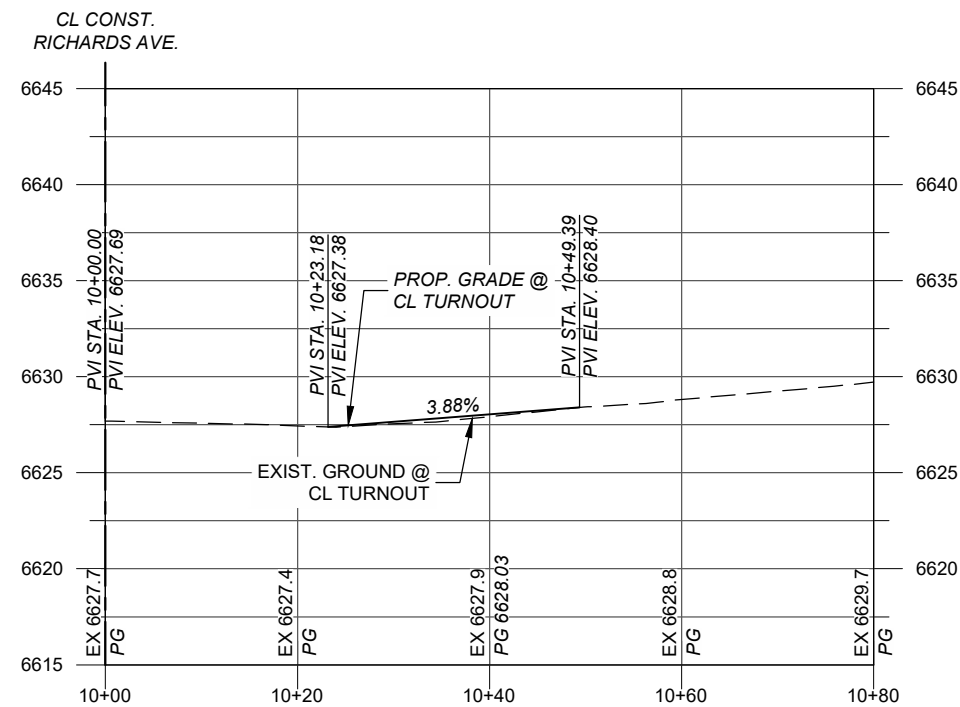




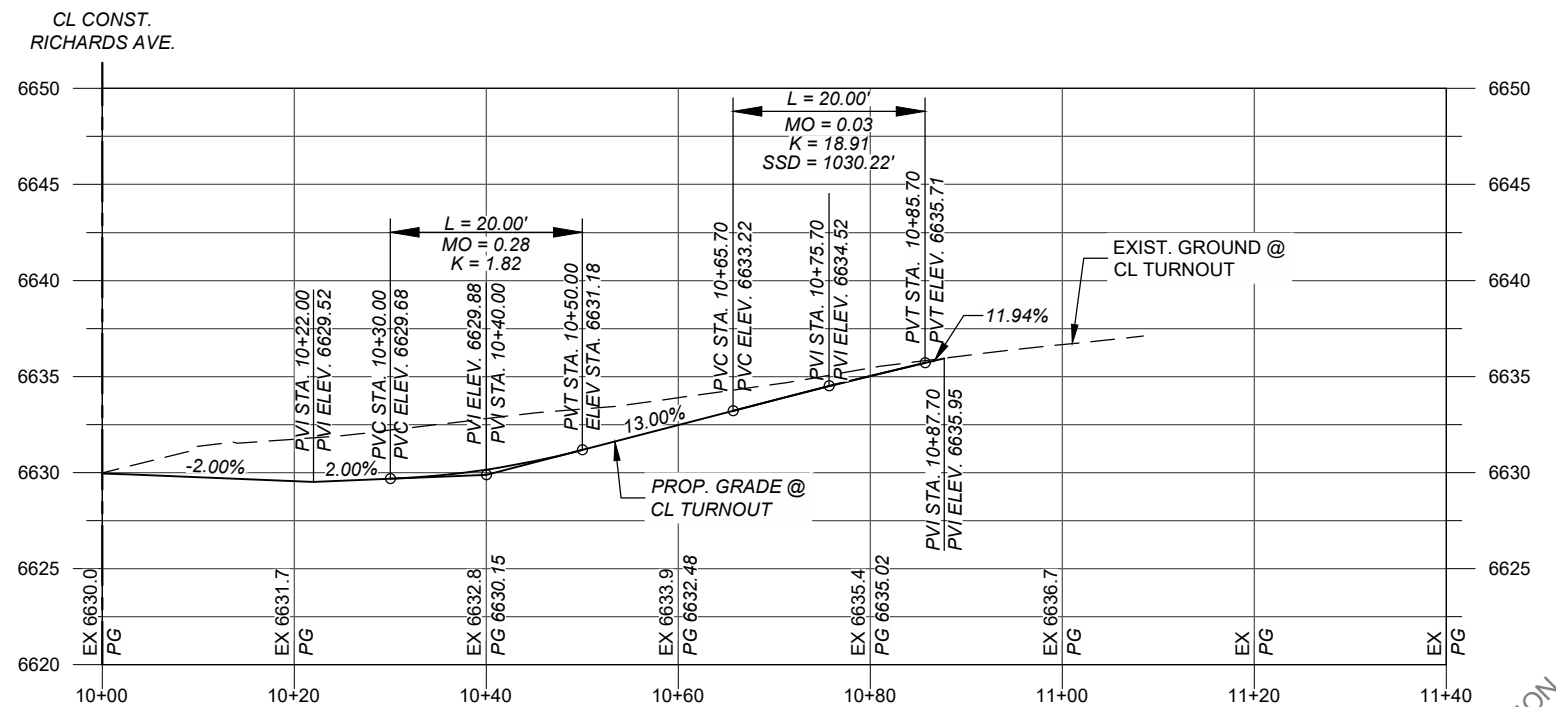
TO-2 (CAMINO DEL PRADO)  
STA. 27+28.42 LT.  
BUILD 1-24' TURNOUT LT.,  
20' RADIUS LT. & RT.  
PAVE TO STA. 9+32.79



TO-4 (SIRINGO RD. EASTBOUND)  
STA. 43+84.59  
BUILD 1-16' TURNOUT RT.,  
8' RADIUS LT. & 17' RADIUS RT.  
PAVE TO STA. 10+48.51



TO-1 (RODEO GROUNDS ENTRANCE)  
STA. 18+54.27  
BUILD 1-25' TURNOUT RT.,  
24' RADIUS LT. & RT.  
PAVE TO STA. 10+49.39



TO-3 (WILDFIRE RESPONSE OFFICE ENTRANCE)  
STA. 41+75.86 RT.,  
BUILD 1-18' TURNOUT RT.,  
15' RADIUS LT. & RT.  
PAVE TO STA. 10+87.70

NOTE:  
SEE SHEET 3-11 FOR PROFILE OF  
SIRINGO RD. EASTBOUND, WESTBOUND.



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
TURNOUT PROFILES

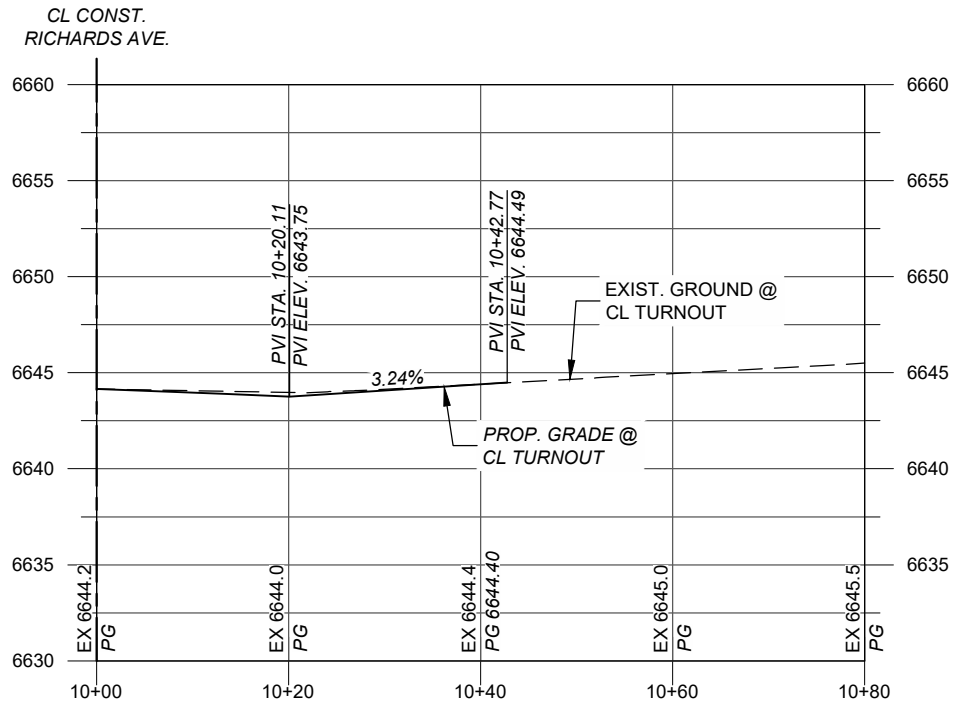
30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

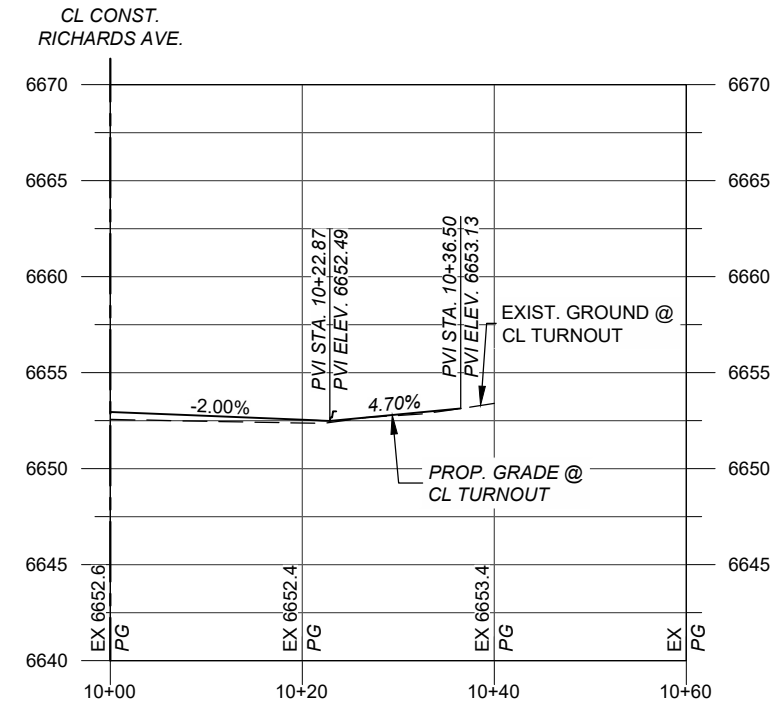


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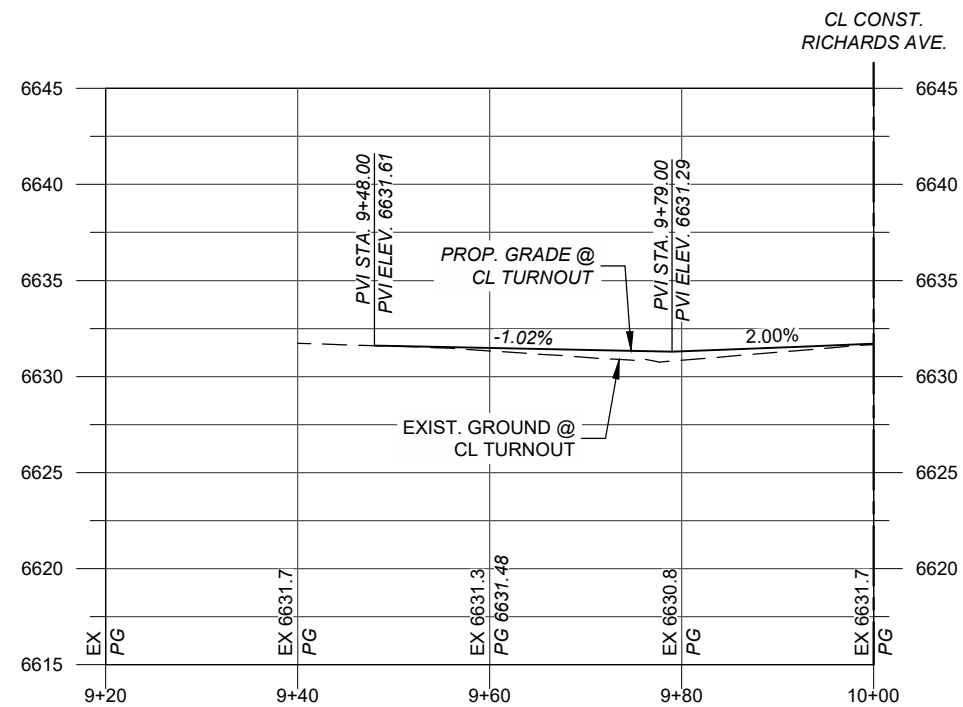
ARROYO DE LOS CHAMISOS CROSSING  
TURNOUT PROFILES



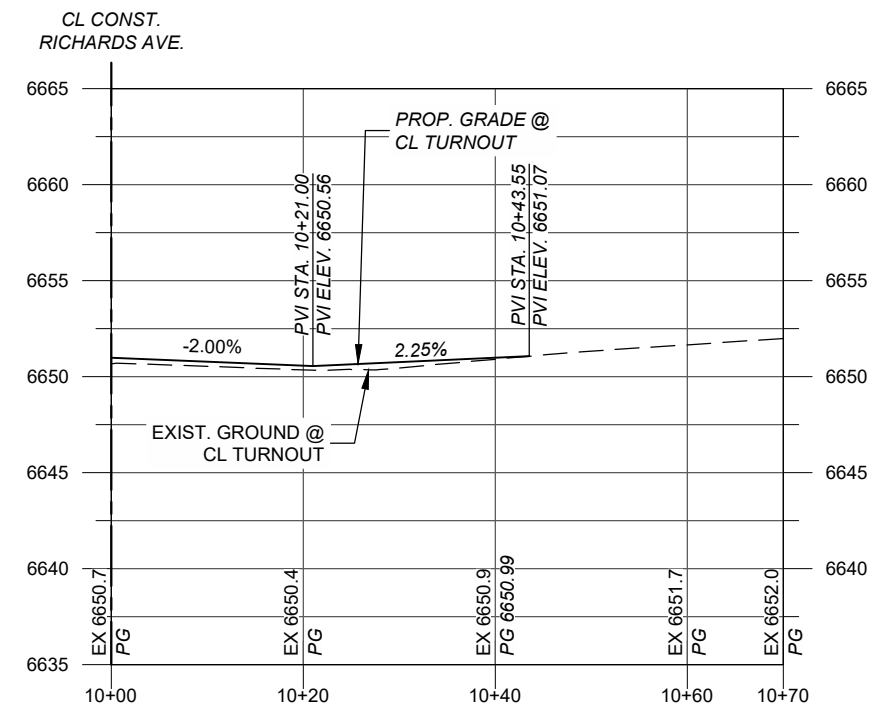
TO-6 (LOURAINE CIR.)  
STA. 47+58.41  
BUILD 1-30' TURNOUT RT.,  
17' RADIUS LT. & RT.  
PAVE TO STA. 10+42.77



TO-8  
STA. 51+66.06  
BUILD 1-15.5' TURNOUT RT.,  
13' RADIUS LT. & 17' RADIUS RT.  
PAVE TO STA. 10+36.50



TO-5 (SIRINGO RD. WEST)  
STA. 43+91.21  
BUILD 1-30' TURNOUT LT.,  
17' RADIUS LT. & RT.  
PAVE TO STA. 9+48.00



TO-7 (LOURAINE ST.)  
STA. 49+82.40  
BUILD 1-30' TURNOUT RT.,  
17' RADIUS LT. & RT.  
PAVE TO STA. 10+43.55

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



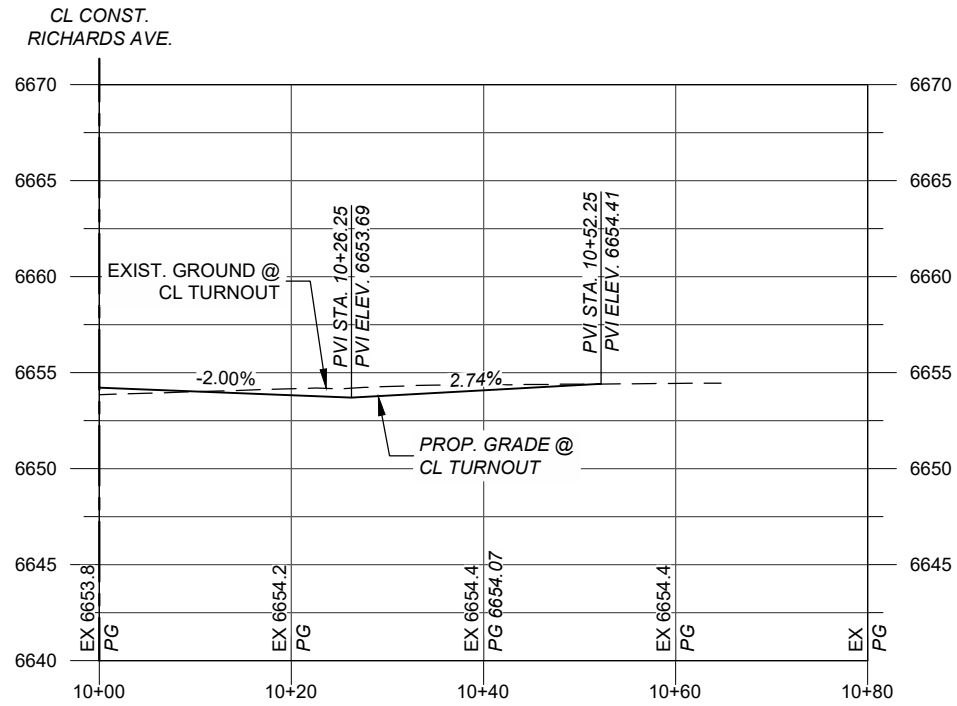


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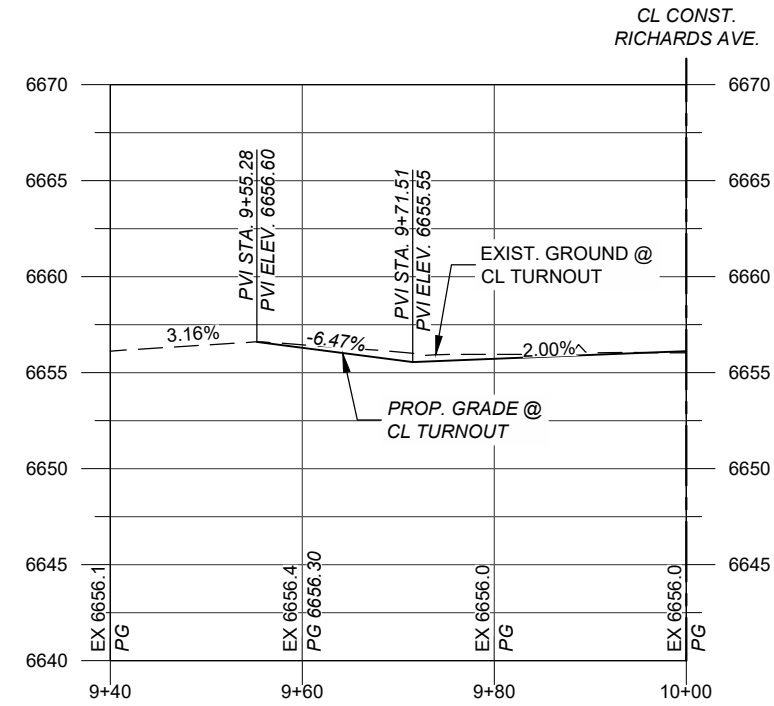
ARROYO DE LOS CHAMISOS CROSSING  
TURNOUT PROFILES

30% DESIGN  
NOT FOR CONSTRUCTION

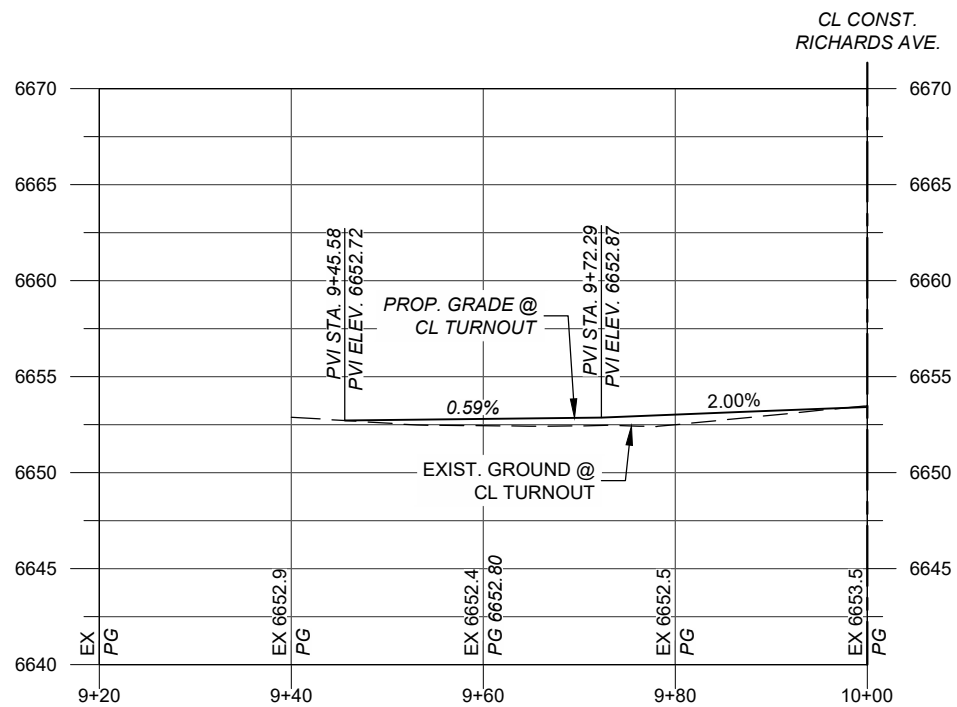
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



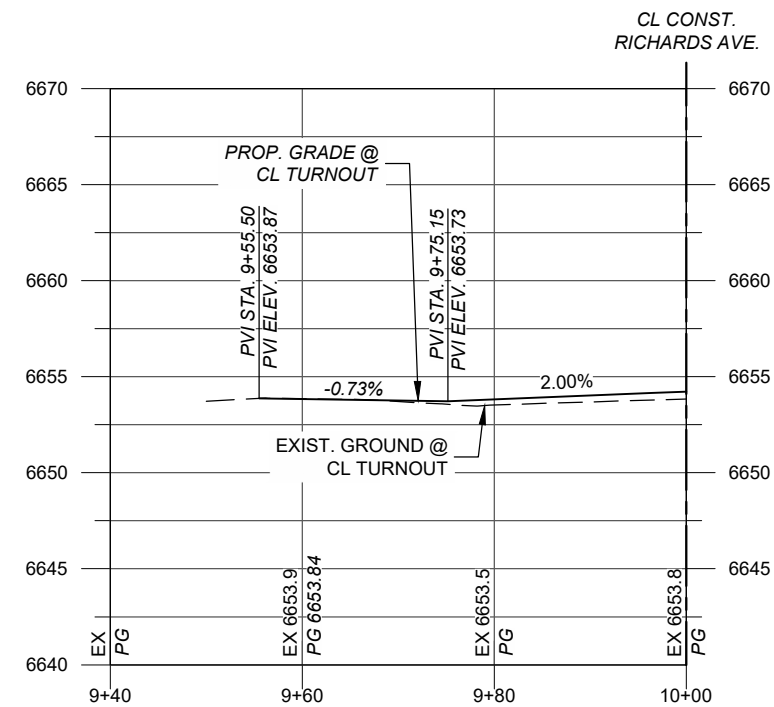
TO-10  
STA. 54+20.68  
BUILD 1-30' TURNOUT RT.,  
24' RADIUS LT. & 25' RADIUS RT.  
PAVE TO STA. 10+52.25



TO-12  
STA. 56+21.61  
BUILD 1-27' TURNOUT LT.,  
15' RADIUS LT. & RT.  
PAVE TO STA. 9+55.28



TO-9 (JAMES AVE.)  
STA. 52+62.18  
BUILD 1-30' TURNOUT LT.,  
17' RADIUS LT. & 15' RADIUS RT.  
PAVE TO STA. 9+45.58



TO-11  
STA. 54+21.14  
BUILD 1-30' TURNOUT LT.,  
15' RADIUS LT. & 20' RADIUS RT.  
PAVE TO STA. 9+55.50

**GENERAL NOTES**

1. VERIFICATION OF GIRDER CAMBER: BEFORE SCREEDS ARE SET, THE CONTRACTOR SHALL SURVEY AND PLOT GIRDER PROFILES OF EACH COMPLETE LINE OF GIRDERS TO DETERMINE GIRDER CAMBER ELEVATIONS. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM NO. 801000 - CONSTRUCTION STAKING BY CONTRACTOR. THE PROJECT MANAGER SHALL USE THIS INFORMATION TO VERIFY CAMBER AND FINISHED DECK ELEVATIONS. IF THE ACTUAL CAMBER DIFFERS FROM THAT SHOWN ON THE PLANS RESULTING IN A DEFICIENT DECK SLAB THICKNESS, ADJUSTMENTS WILL BE MADE BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER OF RECORD.
2. THE CONTRACTOR SHALL FURNISH AND PLACE TWO BRIDGE NUMBER PLATES CONFORMING TO STANDARD DRAWING 543-09. COST OF THE BRIDGE NUMBER PLATES SHALL BE INCIDENTAL TO ITEM NO. 543002 - METAL RAILING, TYPE A42.

**CAPACITY RATINGS**

LRFR RATING FACTOR	
INVENTORY LEVEL	X.XX
OPERATING LEVEL	X.XX

LFR RATING	
INVENTORY RATING	HS XX.X
OPERATING RATING	HS XX.X

THESE RATINGS WERE COMPUTED BY THE LOAD FACTOR RATING (LFR) AND LOAD AND RESISTANCE FACTOR RATING (LRFR) METHODS USING THE AASHTOWARE BRIDGE RATING PROGRAM VERSION 7.0.0

**DESIGN DATA**

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020

**SUPERSTRUCTURE:** CLASS HPD CONCRETE  
 f<sub>c</sub> = 4,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 GALVANIZED BARS

**SUBSTRUCTURE:** CLASS A CONCRETE  
 f<sub>c</sub> = 3,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 BARS

**DRILLED SHAFTS:** CLASS G CONCRETE  
 f<sub>c</sub> = 3,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 BARS

**STRUCTURAL STEEL:** AASHTO M270  
 GRADE 50W F<sub>y</sub> = 50ksi

**LIVE LOAD:** HL-93  
**STAY-IN-PLACE FORMS:** 15 psf  
**WEARING SURFACE:** 6 psf EPOXY URETHANE POLYMER CONCRETE OVERLAY  
**FUTURE WEARING SURFACE:** 30 psf

**WIND VELOCITY:** 115 mph

**EARTH PRESSURE:**  
 HORIZONTAL EARTH PRESSURE (EQUIVALENT FLUID WEIGHT)  
**ACTIVE PRESSURE:** 35 pcf  
**AT-REST PRESSURE:** 55 pcf  
**PASSIVE PRESSURE:** 425 pcf

**SEISMIC DATA:**  
 SDs: 0.XXXg  
 SD1: 0.XXXg  
 SITE CLASS: C  
 SEISMIC ZONE: 1  
 AASHTO SEISMIC DESIGN GUIDELINE D

**FINAL FOUNDATION REPORT:** YEDOMA

**INDEX OF SHEETS**

- 5A-1 GENERAL NOTES
- 5A-2 ESTIMATED QUANTITIES
- 5A-3 BRIDGE LOCATION PLAN
- 5A-4 BRIDGE ELEVATION
- 5A-5 BRIDGE TRANSVERSE SECTION
- 5A-6 FOUNDATION PLAN AND DRILLED SHAFT DETAILS
- 5A-7 ABUTMENT PLAN & ELEVATION
- 5A-8 ABUTMENT CAP DETAILS
- 5A-9 BEARING DETAILS
- 5A-10 PRESTRESSED CONCRETE GIRDERS TYPE 63
- 5A-11 BOLTED STEEL DIAPHRAGM DETAILS
- 5A-12 FRAMING PLAN
- 5A-13 ABUTMENT DIAPHRAGM PLAN & ELEVATION
- 5A-14 ABUTMENT DIAPHRAGM SECTIONS
- 5A-15 WINGWALLS WW1L & WW2L PLAN & ELEVATION
- 5A-16 WINGWALLS WW1R & WW2R PLAN & ELEVATION
- 5A-17 DECK SLAB REINFORCING BOTTOM MAT
- 5A-18 DECK SLAB REINFORCING TOP MAT
- 5A-19 TOP OF DECK ELEVATIONS
- 5A-20 ABUTMENT BACKFILL & COMPACTION DETAILS
- 5A-21 APPROACH SLAB PLAN
- 5A-22 APPROACH SLAB DETAILS
- 5A-23 METAL BRIDGE RAIL PLAN AND SECTION
- 5A-24 REINFORCING BAR SCHEDULE



NO.	DESCRIPTION	DATE	BY
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RICHARDS AVE. OVER ADLC  
 NEW BRIDGE  
 GENERAL NOTES

**30% NOT FOR  
 CONSTRUCTION**

STA. 31+26.10  
 BRIDGE NO. XXXXX

**ESTIMATED QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	UNIT	SUPER-STRUCTURE	SUBSTRUCTURE			APPROACH SLABS	QUANTITY
				ABUT. NO. 1	PIER NO. 1	ABUT. NO. 2		
210002	MAJOR STRUCTURE EXCAVATION	C.Y.		100		150		250
210003	MAJOR STRUCTURE BACKFILL	C.Y.		500		500		1,000
502042	DRILLED SHAFT FOUNDATION 42" DIAMETER	L.F.		250		250		500
502048	DRILLED SHAFT FOUNDATION 48" DIAMETER	L.F.			300			300
502154	PERMANENT CASING 54" DIAMETER	L.F.			75			75
502600	OBSTRUCTION REMOVAL	L.F.		25	30	25		80
505000	CROSSHOLE SONIC LOGGING CONSULTANT TESTING	EACH		5	5	5		15
505011	LOW STRAIN INTEGRITY CONSULTANT TESTING	EACH		5	5	5		15
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.		156	66	156		378
511070	STRUCTURAL CONCRETE, CLASS HPD	C.Y.	489				120	609
518054	PRESTRESSED CONCRETE BRIDGE MEMBER TYPE 54	L.F.	1,554					1,554
535100	CONCRETE SURFACE TREATMENT	S.Y.	1,246				263	1,509
540060	REINFORCING BARS GRADE 60	LB		91,200	26,400	91,200		208,800
540061	GALVANIZED BARS GRADE 60	LB	95,300				16,800	112,100
541000	STRUCTURAL STEEL FOR CONCRETE BRIDGES	LB	13,489				92	13,581
543002	METAL RAILING, TYPE A42	L.F.	438				96	534
543100	METAL RAILING, PEDESTRIAN	L.F.	219				48	267
560000	ELASTOMERIC BEARING PADS	EACH	28					28
562000	BRIDGE JOINT STRIP SEAL	L.F.					119	119
563099	POLYMER BRIDGE JOINT SEALS	L.F.					115	115
604002	GEOTEXTILE CLASS 2	S.Y.		256		256		512
604300	GEOGRID REINFORCEMENT	S.Y.		860		860		1,720
608006	CONCRETE SIDEWALK 6"	S.Y.	413				41	454

**ITEM NO. 541000 - STRUCTURAL STEEL FOR CONCRETE BRIDGES**

DESCRIPTION OF ITEM	WEIGHT (LB)
BEARINGS (SOLE PLATES & KEEPER BARS)	4,892
BENT PLATE DIAPHRAGMS & BOLTS	7,512
THREADED ANCHOR RODS & PLATES	1,085
STRIP SEAL COVER PLATES	92
<b>TOTAL:</b>	<b>13,581</b>

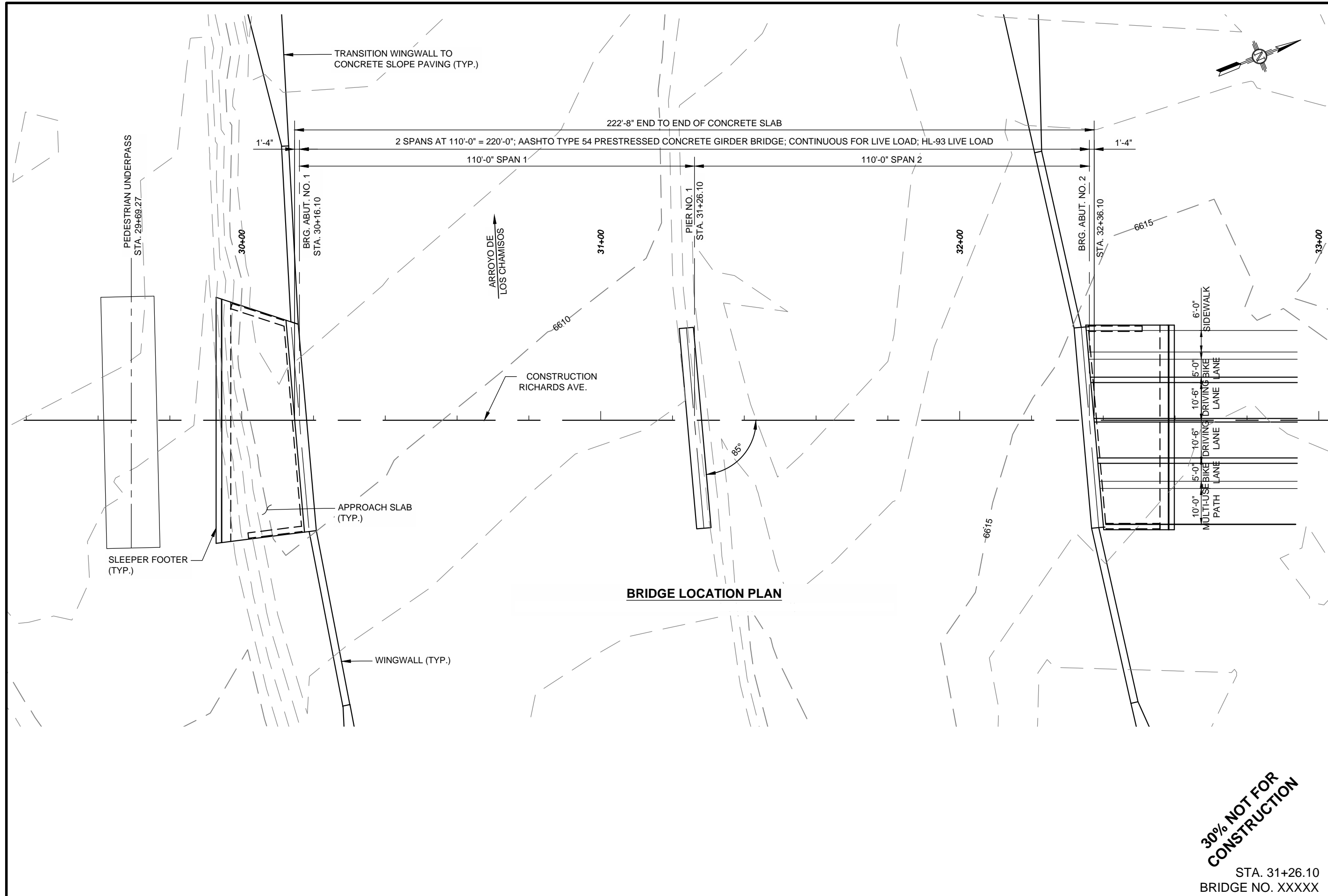
**30% NOT FOR CONSTRUCTION**

STA. 31+26.10  
BRIDGE NO. XXXXX



NO.	DESCRIPTION	DATE	BY
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RICHARDS AVE. OVER ADLC  
NEW BRIDGE  
ESTIMATED QUANTITIES



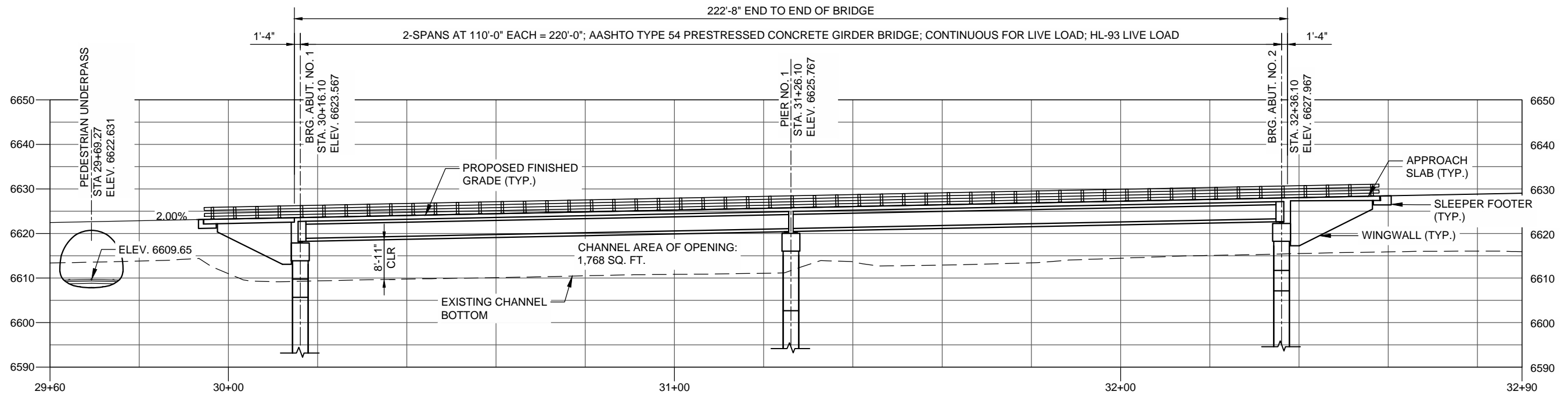
**30% NOT FOR CONSTRUCTION**

STA. 31+26.10  
 BRIDGE NO. XXXXX



NO.	DESCRIPTION	DATE	BY
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RICHARDS AVE. OVER ADLC  
 NEW BRIDGE  
 BRIDGE LOCATION PLAN



**PROPOSED BRIDGE PROFILE**

**WATERWAY DATA**

MIN LOW CHORD ELEV = XXXX.XXX		NEW BRIDGE NO. XXXXX		TOTAL SCOUR DEPTH [1]	
FLOOD RECURRENCE	Q (DISCHARGE) cfs	W.S.ELEV ft.	MAX V fps	ABUTMENT 1 ft.	ABUTMENT 2 ft.
50-YR	X,XXX.X	X	X	0.0	0.0
100-YR	X,XXX.X	X	X	0.0	0.0
[2] 500-YR	X,XXX.X	X	X	0.0	0.0
[3] REF ELEV					

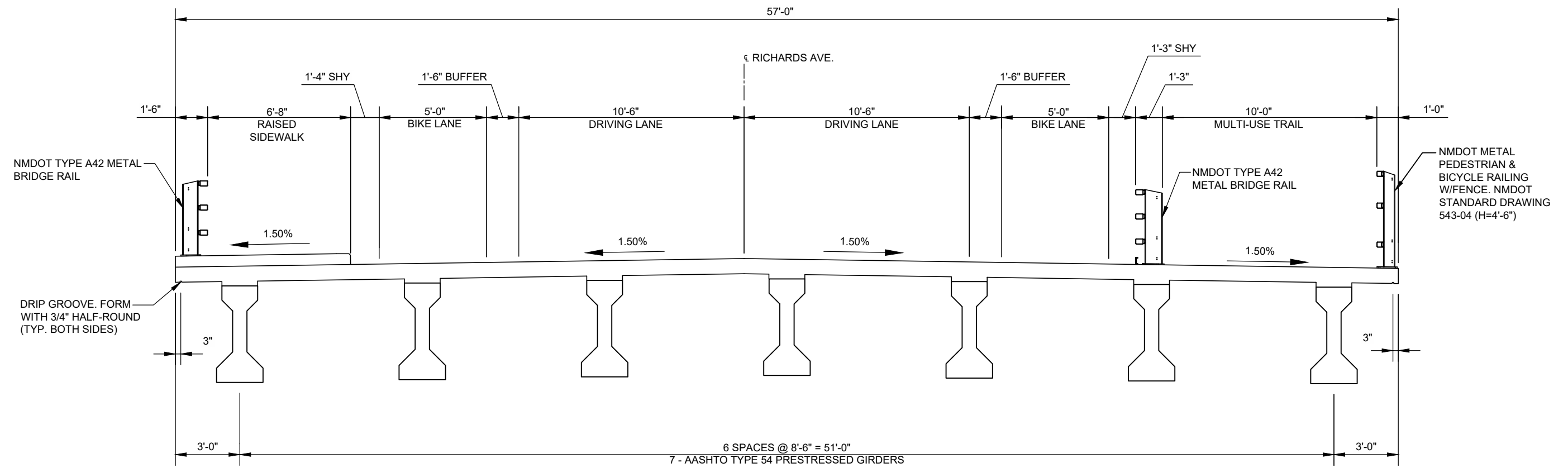
- [1] TOTAL SCOUR DEPTH = SUM OF LONG TERM DEGRADATION + CONTRACTION + LOCAL COMPONENT [TO NEAREST TENTH FOOT]
- [2] 100-YR OR INCIPIENT OVERTOPPING EVENT (WHICHEVER IS MORE SEVERE)
- [3] REF ELEV = THE ELEVATION FROM WHICH SCOUR DEPTH IS SUBTRACTED TO GET ELEVATION OF BOTTOM OF SCOUR HOLE [TO NEAREST TENTH FOOT]

**30% NOT FOR CONSTRUCTION**

STA. 31+26.10  
BRIDGE NO. XXXXX

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER ADLC  
NEW BRIDGE  
BRIDGE PROFILE



**PROPOSED BRIDGE TRANSVERSE SECTION**

**30% NOT FOR CONSTRUCTION**

STA. 31+26.10  
BRIDGE NO. XXXXX

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER ADLC  
NEW BRIDGE  
BRIDGE TRANSVERSE SECTION



**GENERAL NOTES**

- VERIFICATION OF GIRDER CAMBER:** BEFORE SCREEDS ARE SET, THE CONTRACTOR SHALL SURVEY AND PLOT GIRDER PROFILES OF EACH COMPLETE LINE OF GIRDERS TO DETERMINE GIRDER CAMBER ELEVATIONS. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM NO. 801000 - CONSTRUCTION STAKING BY CONTRACTOR. THE PROJECT MANAGER SHALL USE THIS INFORMATION TO VERIFY CAMBER AND FINISHED DECK ELEVATIONS. IF THE ACTUAL CAMBER DIFFERS FROM THAT SHOWN ON THE PLANS RESULTING IN A DEFICIENT DECK SLAB THICKNESS, ADJUSTMENTS WILL BE MADE BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL FURNISH AND PLACE TWO BRIDGE NUMBER PLATES CONFORMING TO STANDARD DRAWING 543-09.** COST OF THE BRIDGE NUMBER PLATES SHALL BE INCIDENTAL TO ITEM NO. 543002 - METAL RAILING, TYPE A42.

**CAPACITY RATINGS**

LRFR RATING FACTOR	
INVENTORY LEVEL	X.XX
OPERATING LEVEL	X.XX

LFR RATING	
INVENTORY RATING	HS XX.X
OPERATING RATING	HS XX.X

THESE RATINGS WERE COMPUTED BY THE LOAD FACTOR RATING (LFR) AND LOAD AND RESISTANCE FACTOR RATING (LRFR) METHODS USING THE AASHTOWARE BRIDGE RATING PROGRAM VERSION 7.0.0

**DESIGN DATA**

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020

**SUPERSTRUCTURE:** CLASS HPD CONCRETE  
 f<sub>c</sub> = 4,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 GALVANIZED BARS

**SUBSTRUCTURE:** CLASS A CONCRETE  
 f<sub>c</sub> = 3,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 BARS

**DRILLED SHAFTS:** CLASS G CONCRETE  
 f<sub>c</sub> = 3,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 BARS

**STRUCTURAL STEEL:** AASHTO M270  
 GRADE 50W F<sub>y</sub> = 50ksi

**LIVE LOAD:** HL-93  
**STAY-IN-PLACE FORMS:** 15 psf  
**WEARING SURFACE:** 6 psf EPOXY URETHANE POLYMER CONCRETE OVERLAY  
**FUTURE WEARING SURFACE:** 30 psf

**WIND VELOCITY:** 115 mph

**EARTH PRESSURE:**  
 HORIZONTAL EARTH PRESSURE (EQUIVALENT FLUID WEIGHT)  
**ACTIVE PRESSURE:** 35 pcf  
**AT-REST PRESSURE:** 55 pcf  
**PASSIVE PRESSURE:** 425 pcf

**SEISMIC DATA:**  
 SDs: 0.XXXg  
 SD1: 0.XXXg  
 SITE CLASS: C  
 SEISMIC ZONE: 1  
 AASHTO SEISMIC DESIGN GUIDELINE D

**FINAL FOUNDATION REPORT:** YEDOMA

**INDEX OF SHEETS**

- 5B-1 GENERAL NOTES
- 5B-2 ESTIMATED QUANTITIES
- 5B-3 BRIDGE LOCATION PLAN
- 5B-4 BRIDGE ELEVATION
- 5B-5 BRIDGE TRANSVERSE SECTION
- 5B-6 FOUNDATION PLAN AND DRILLED SHAFT DETAILS
- 5B-7 ABUTMENT PLAN & ELEVATION
- 5B-8 ABUTMENT CAP DETAILS
- 5B-9 PRESTRESSED CONCRETE SLAB SEAT ELEVATIONS
- 5B-10 BEARING DETAILS
- 5B-11 EXTERIOR PRESTRESSED CONCRETE SLAB DETAILS
- 5B-12 INTERIOR PRESTRESSED CONCRETE SLAB DETAILS
- 5B-13 FRAMING PLAN
- 5B-14 TOP OF DECK ELEVATIONS
- 5B-15 WINGWALLS WW1L & WW2L PLAN & ELEVATION
- 5B-16 WINGWALLS WW1R & WW2R PLAN & ELEVATION
- 5B-17 ABUTMENT BACKFILL & COMPACTION DETAILS
- 5B-18 APPROACH SLAB PLAN
- 5B-19 APPROACH SLAB DETAILS
- 5B-20 METAL BRIDGE RAIL PLAN AND DETAILS
- 5B-21 REINFORCING BAR SCHEDULE



NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER ARROYO PINOS  
 NEW BRIDGE  
 GENERAL NOTES

**30% NOT FOR CONSTRUCTION**

STA. 38+83.68  
 BRIDGE NO. XXXXX

**ESTIMATED QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	SUPER STRUCTURE	SUBSTRUCTURE		APPROACH SLABS	QUANTITY
				ABUT. NO. 1	ABUT. NO. 2		
210002	MAJOR STRUCTURE EXCAVATION	C.Y.		700	880		1,580
210003	MAJOR STRUCTURE BACKFILL	C.Y.		610	590		1,200
455000	DIAMOND GRINDING OF PCCP	S.Y.	7				7
502042	DRILLED SHAFT FOUNDATION 42" DIAMETER	L.F.		200	200		400
502600	OBSTRUCTION REMOVAL	L.F.		20	20		40
505000	CROSSHOLE SONIC LOGGING CONSULTANT TESTING	EACH		5	5		10
505011	LOW STRAIN INTEGRITY CONSULTANT TESTING	EACH		5	5		10
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.		147	147		294
511070	STRUCTURAL CONCRETE, CLASS HPD	C.Y.				108	108
512008	ULTRA HIGH PERFORMANCE CONCRETE	C.Y.	10	2	2		14
518120	PRECAST PRESTRESSED SLAB TYPE 20	L.F.	492				492
535100	CONCRETE SURFACE TREATMENT	S.Y.	235			224	459
540060	REINFORCING BARS GRADE 60	LB		66,200	66,200		132,400
540061	GALVANIZED BARS GRADE 60	LB				16,800	16,800
543002	METAL RAILING, TYPE A42	L.F.	164				164
543100	METAL RAILING, PEDESTRIAN	L.F.	82				82
560000	ELASTOMERIC BEARING PADS	EACH	36				36
562000	BRIDGE JOINT STRIP SEAL	L.F.				119	119
563099	POLYMER BRIDGE JOINT SEALS	L.F.	115				115
604002	GEOTEXTILE CLASS 2	S.Y.		128	128		256
604300	GEOGRID REINFORCEMENT	S.Y.		430	430		860
608006	CONCRETE SIDEWALK 6"	S.Y.	78			38	116

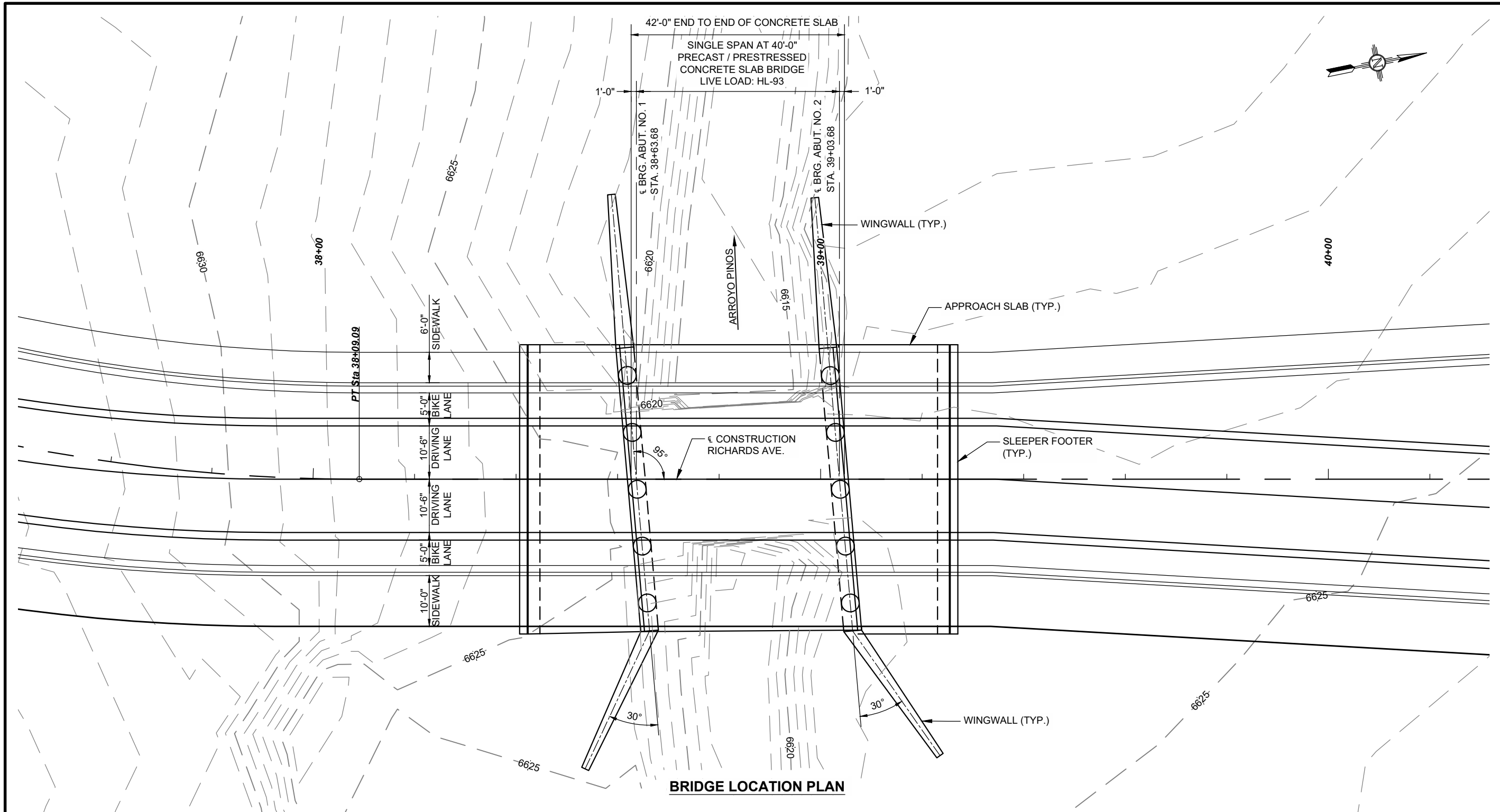


4							
3							
2							
1							
NO.							

RICHARDS AVE. OVER ARROYO PINOS  
NEW BRIDGE  
ESTIMATED QUANTITIES

**30% NOT FOR CONSTRUCTION**

STA. 38+83.68  
BRIDGE NO. XXXXX



**BRIDGE LOCATION PLAN**

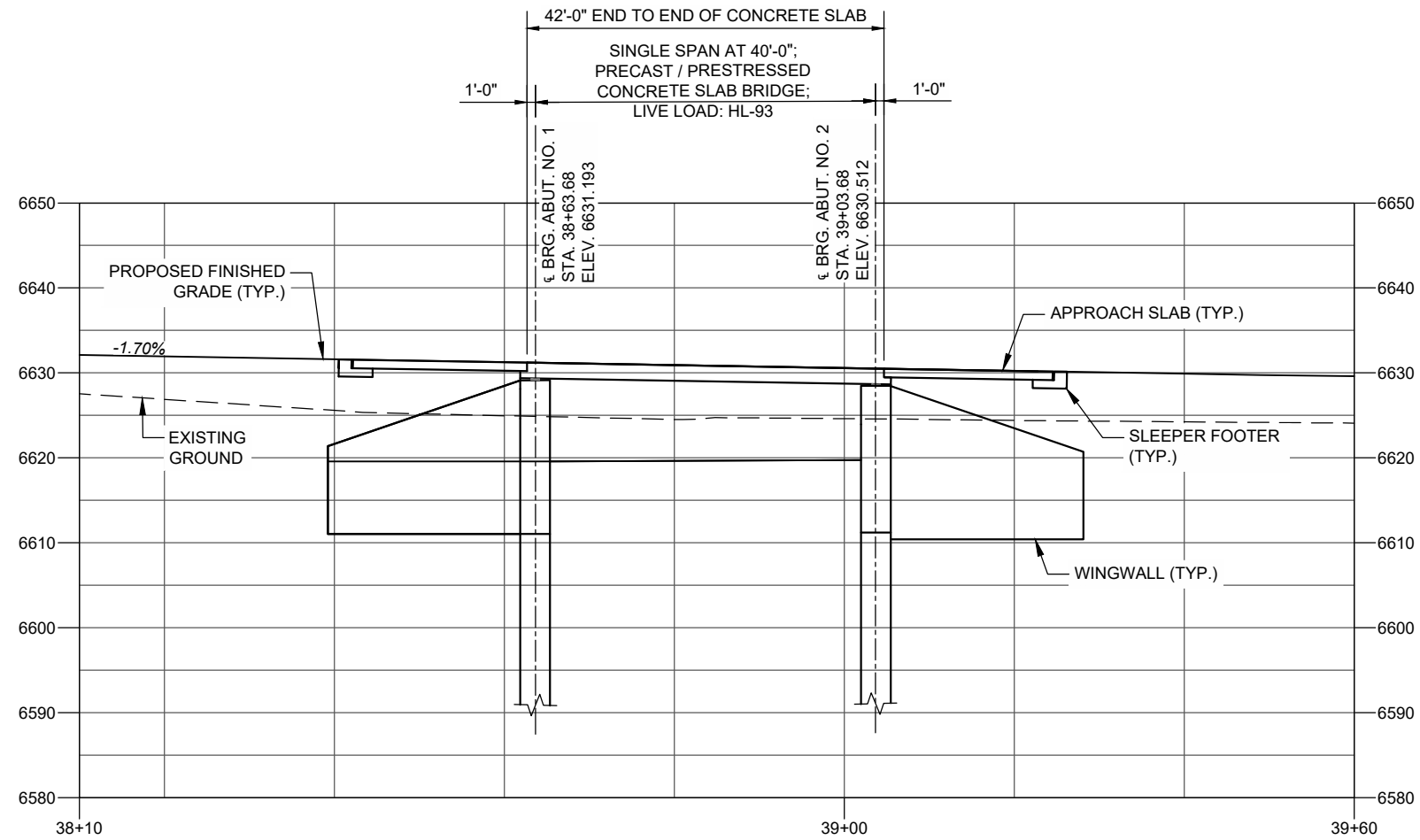
**30% NOT FOR CONSTRUCTION**

STA. 38+83.68  
BRIDGE NO. XXXXX



NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER ARROYO PINOS  
NEW BRIDGE  
BRIDGE LOCATION PLAN

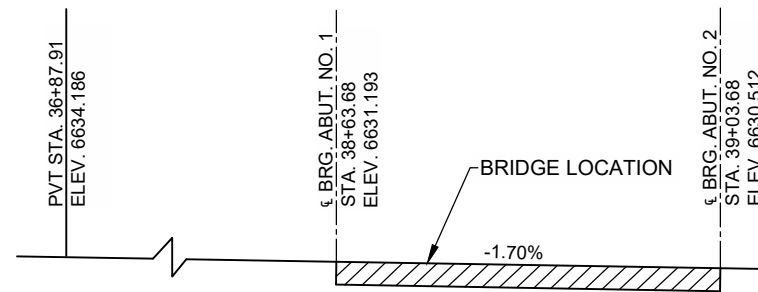


**PROPOSED BRIDGE PROFILE ALONG CL CONSTRUCTION**

**WATERWAY DATA**

MIN LOW CHORD ELEV = XXXX.XXX		NEW BRIDGE NO. XXXXX		TOTAL SCOUR DEPTH [1]	
FLOOD RECURRENCE	Q (DISCHARGE) cfs	W.S.ELEV ft.	MAX V fps	ABUTMENT 1 ft.	ABUTMENT 2 ft.
50-YR	X,XXX.X	X	X		
100-YR	X,XXX.X	X	X	0.0	0.0
[2] 500-YR	X,XXX.X	X	X	0.0	0.0
[3] REF ELEV					

- [1] TOTAL SCOUR DEPTH = SUM OF LONG TERM DEGRADATION + CONTRACTION + LOCAL COMPONENT [TO NEAREST TENTH FOOT]
- [2] 100-YR OR INCIPIENT OVERTOPPING EVENT (WHICHEVER IS MORE SEVERE)
- [3] REF ELEV = THE ELEVATION FROM WHICH SCOUR DEPTH IS SUBTRACTED TO GET ELEVATION OF BOTTOM OF SCOUR HOLE [TO NEAREST TENTH FOOT]



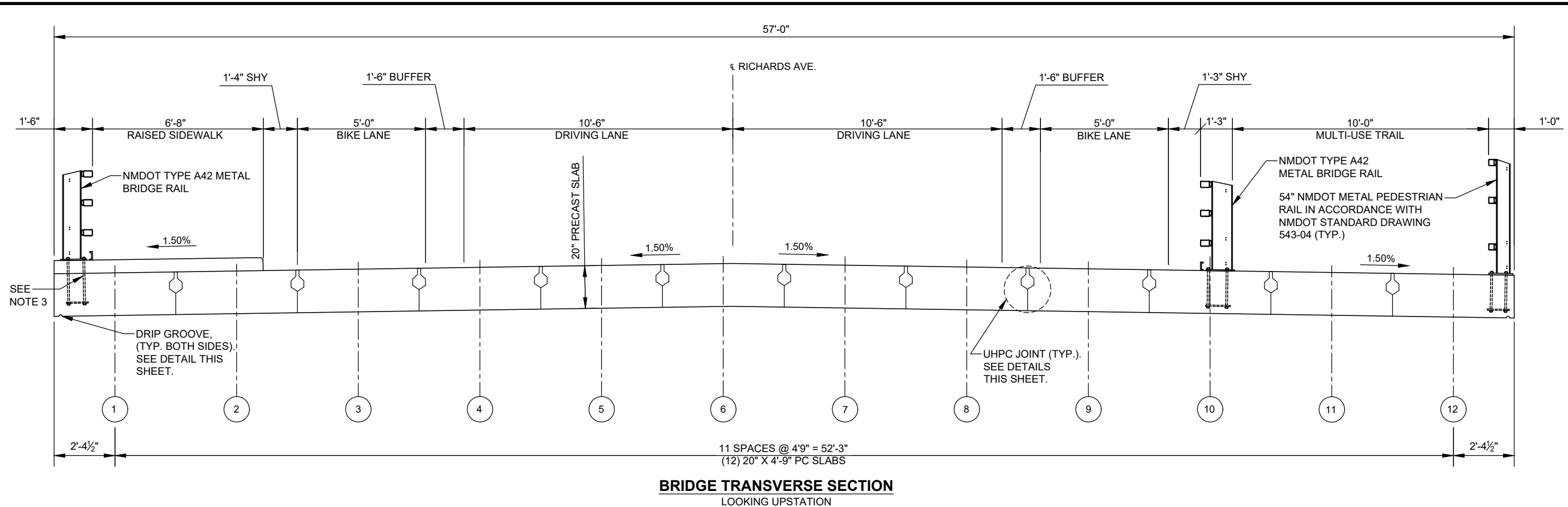
**PROPOSED BRIDGE PROFILE GRADE ALONG CL CONSTRUCTION AT TOP OF CONCRETE DECK**

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER ARROYO PINOS  
NEW BRIDGE  
BRIDGE PROFILE

**30% NOT FOR CONSTRUCTION**

STA. 38+83.68  
BRIDGE NO. XXXXX



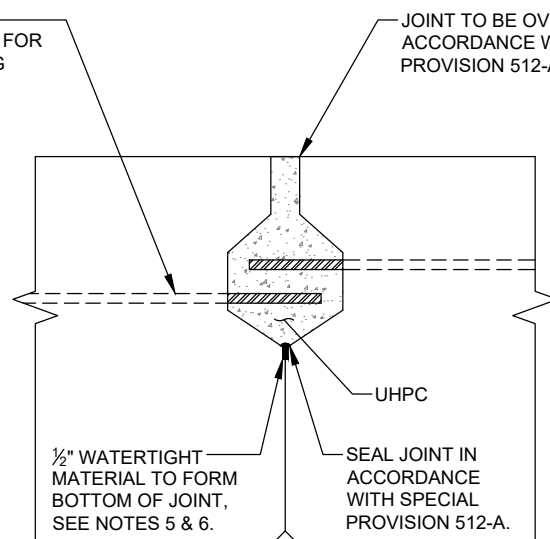
**BRIDGE TRANSVERSE SECTION**  
LOOKING UPSTATION

**NOTES:**

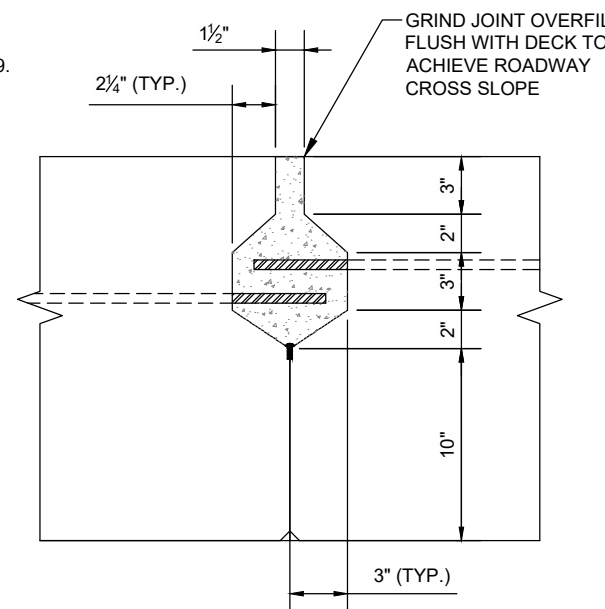
- SEE NMDOT STANDARD DRAWING 543-07 FOR BRIDGE RAIL REINFORCEMENT TO BE INCLUDED IN THE EXTERIOR PRECAST SLABS.
- SEE SHEET NO. 5B-21 FOR BRIDGE RAILING PLAN AND DETAILS.
- PRECASTER SHALL EMBED BRIDGE RAILING AND PEDESTRIAN RAILING ANCHOR BOLTS AND BOTTOM BASE PLATES IN THE EXTERIOR PRECAST SLABS. SEE DETAILS ON SHEET 5B-13.
- PRESTRESSING STRANDS AND REINFORCEMENT NOT SHOWN ON PRECAST SLABS FOR CLARITY.
- FABRICATOR SHALL PROVIDE 1/2" SPACE FOR WATERTIGHT JOINT FORMING MATERIAL.
- PRIOR TO CASTING UHPC CLOSURES, CONTRACTOR SHALL ENSURE ALL JOINTS ARE SEALED TO PREVENT UHPC FROM SEEPING OUT OF INTENDED PLACEMENT AREAS. USE WATERTIGHT JOINT SEAL MATERIAL APPROVED BY THE UHPC MANUFACTURER. MATERIAL AND INSTALLATION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM NO. 512008 - ULTRA HIGH PERFORMANCE CONCRETE.
- PROVIDE 1/2" AMPLITUDE EXPOSED AGGREGATE FINISH FOR ALL SURFACES THAT ARE TO BE BONDED WITH UHPC.
- PROPOSED LOCATIONS OF POUR POCKETS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND ACCEPTANCE AS PART OF THE PRECAST SHOP DRAWING SUBMITTAL.
- CONTRACTOR SHALL PLACE TOP FORMS ON DOWNHILL SIDE OF EACH UHPC JOINT TO PREVENT RUN-OVER.

SEE SHEETS 5B-12 & 5B-13 FOR REINFORCING (TYP.)

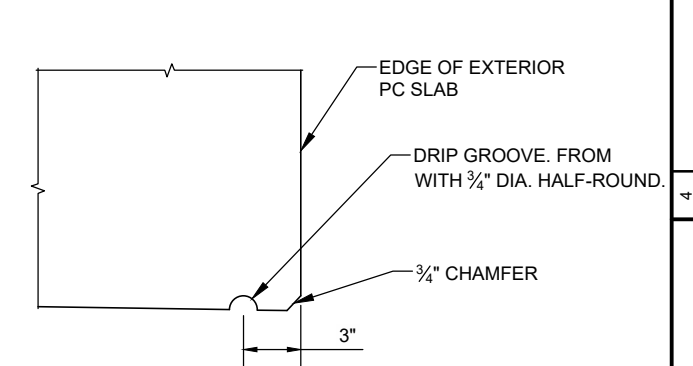
JOINT TO BE OVERFILLED IN ACCORDANCE WITH SPECIAL PROVISION 512-A. SEE NOTE 9.



**UHPC JOINT FILL DETAIL**



**UHPC JOINT FINISHED DETAIL**



**DRIP GROOVE DETAIL**

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			
NO.			

RICHARDS AVE. OVER ARROYO PINOS  
NEW BRIDGE  
TRANSVERSE SECTION

**30% NOT FOR CONSTRUCTION**

STA. 38+83.68  
BRIDGE NO. XXXXX

**GENERAL NOTES**

1. A SUBSURFACE SOIL INVESTIGATION HAS BEEN PERFORMED BY YEDOMO CONSULTANTS, LLC. A PRELIMINARY GEOTECHNICAL REPORT DATED JULY 17, 2023 IS AVAILABLE FROM WSP.
2. PEDESTRIAN UNDERPASS SHALL BE SUPPLIED BY CONTECH ENGINEERED SOLUTIONS, LLC. CONTACT INFORMATION IS SHOWN BELOW.

CONTECH ENGINEERED SOLUTIONS, LLC  
 ATTN: GAVIN MACWILLIAM  
 GAVIN.MACWILLIAM@CONTECHES.COM  
 DENVER, CO  
 (303) 715-8534

**DESIGN DATA**

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020

**CONCRETE:** CLASS A CONCRETE  
 f<sub>c</sub> = 3,000 psi @ 28 DAYS  
 f<sub>y</sub> = 60 ksi GRADE 60 BARS

**STRUCTURAL STEEL:** AASHTO M270  
 GRADE 50W F<sub>y</sub> = 50ksi

LIVE LOAD: HL-93  
 FUTURE WEARING SURFACE: 30 psf

**EARTH PRESSURE:**  
 HORIZONTAL EARTH PRESSURE (EQUIVALENT FLUID WEIGHT)  
 ACTIVE PRESSURE: 35 pcf  
 AT-REST PRESSURE: 55 pcf  
 PASSIVE PRESSURE: 425 pcf

**SEISMIC DATA:**  
 SDs: 0.XXXg  
 SD1: 0.XXXg  
 SITE CLASS: C  
 SEISMIC ZONE: 1  
 AASHTO SEISMIC DESIGN GUIDELINE D

FINAL FOUNDATION REPORT: YEDOMO

**INDEX OF SHEETS**

- 5C-1 GENERAL NOTES AND ESTIMATED QUANTITIES
- 5C-2 PEDESTRIAN UNDERPASS LOCATION PLAN
- 5C-3 PEDESTRIAN UNDERPASS PROFILE
- 5C-4 PEDESTRIAN UNDERPASS CROSS SECTION
- 5C-4 WINGWALL DETAILS UPSTREAM SIDE
- 5C-5 WINGWALL DETAILS DOWNSTREAM SIDE
- 5C-6 BACKFILL DETAILS
- 5C-7 REINFORCING BAR SCHEDULE

**ESTIMATED QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	STRUCTURAL STEEL PLATE UNDERPASS
210002	MAJOR STRUCTURE EXCAVATION	C.Y.	370
210003	MAJOR STRUCTURE BACKFILL	C.Y.	1,040
511200	STRUCTURAL CONCRETE, CLASS A-4"	S.Y.	300
540060	REINFORCING BARS GRADE 60	LB	12,000
571000	14'-1 W X 12'-10 H MULTI-PLATE UNDERPASS STRUCTURE COMPLETE	L.F.	80
604002	GEOTEXTILE CLASS 2	S.Y.	300
604300	GEOGRID REINFORCEMENT	S.Y.	420



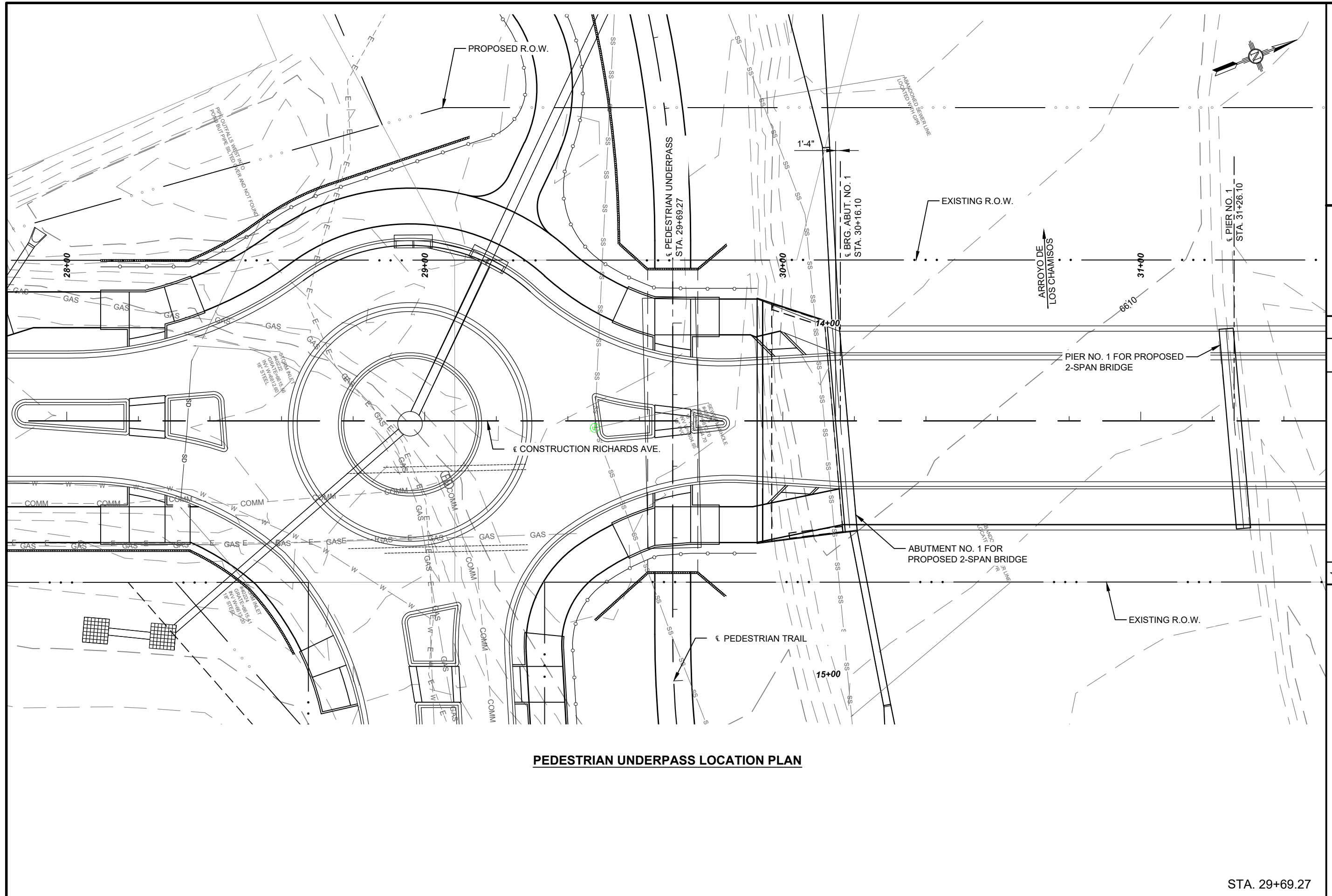
NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER PEDESTRIAN UNDERPASS  
 NEW PEDESTRIAN UNDERPASS  
 GENERAL NOTES AND ESTIMATED QUANTITIES

**30% NOT FOR CONSTRUCTION**

STA. 29+69.27



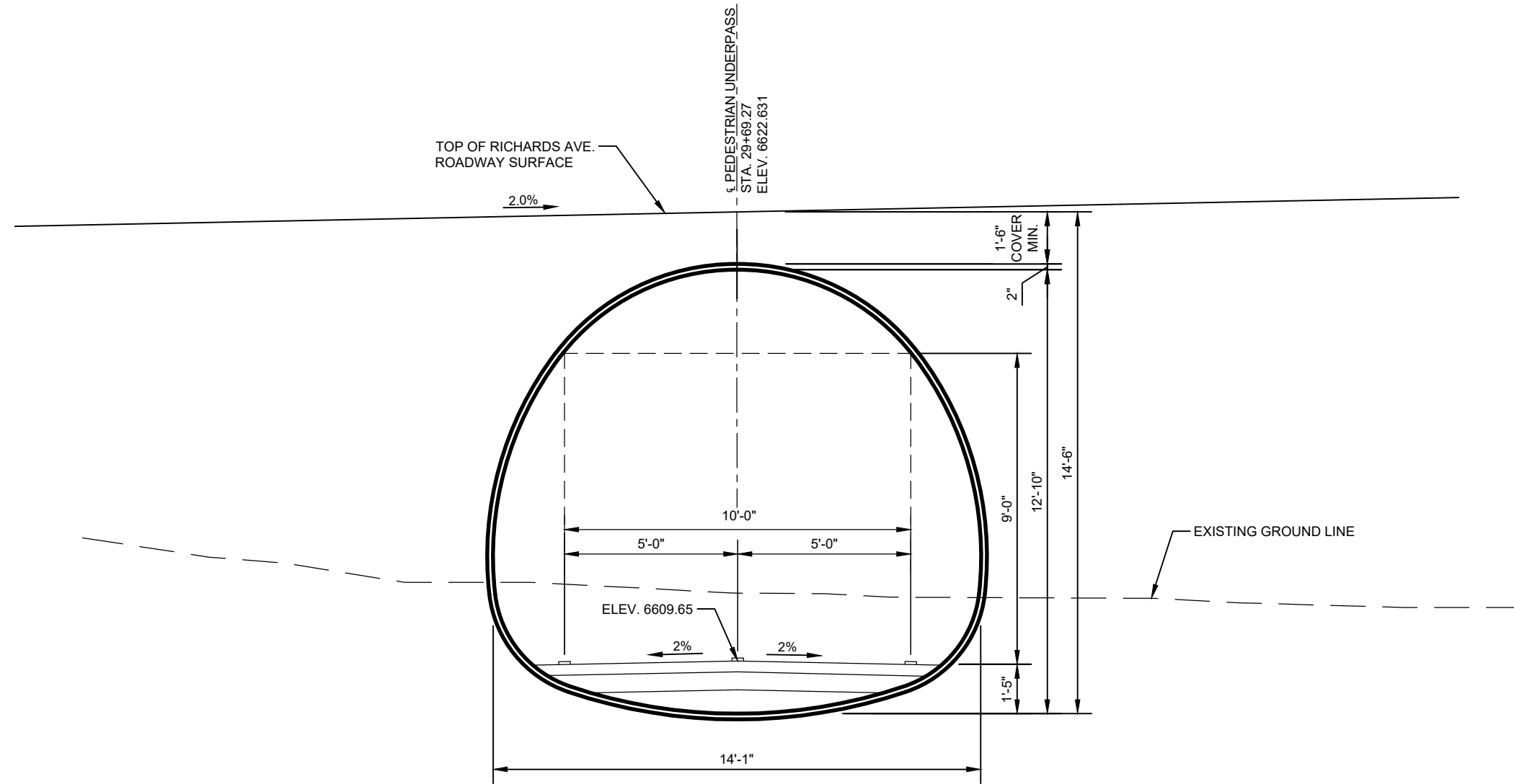


**PEDESTRIAN UNDERPASS LOCATION PLAN**

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER PEDESTRIAN UNDERPASS  
 NEW PEDESTRIAN UNDERPASS  
 PEDESTRIAN UNDERPASS LOCATION PLAN

STA. 29+69.27



**PROPOSED PEDESTRIAN UNDERPASS PROFILE**

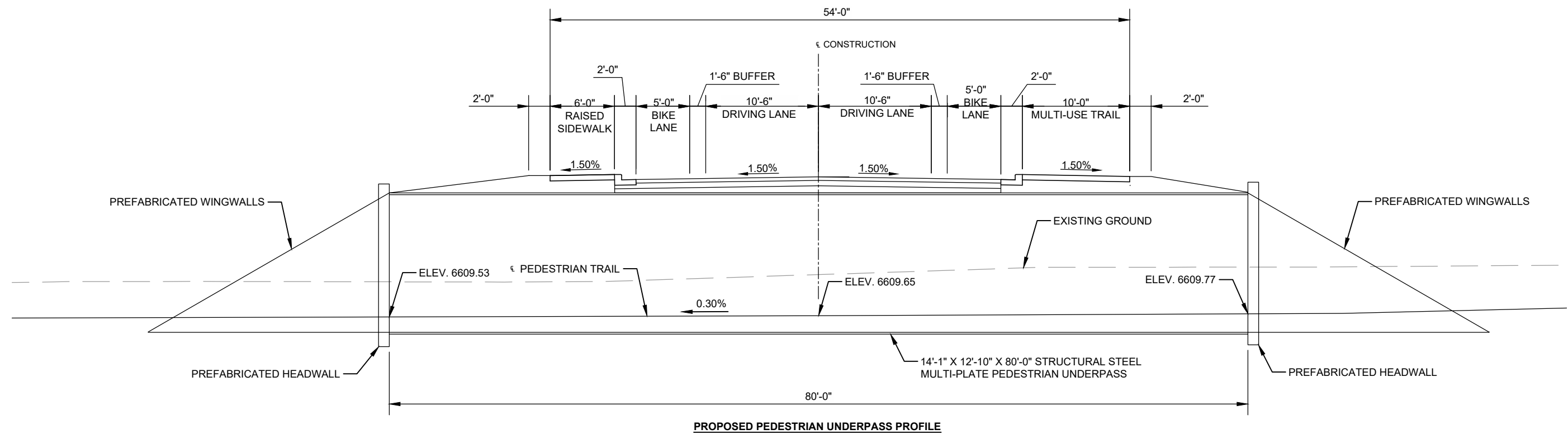
**30% NOT FOR CONSTRUCTION**

STA. 29+69.27



NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE. OVER PEDESTRIAN UNDERPASS  
 NEW PEDESTRIAN UNDERPASS  
 PEDESTRIAN UNDERPASS PROFILE



**PROPOSED PEDESTRIAN UNDERPASS PROFILE**

**30% NOT FOR CONSTRUCTION**

STA. 29+69.27

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE.  
 PRECAST CONCRETE GRAVITY WALLS  
 PEDESTRIAN UNDERPASS CROSS SECTION

**GENERAL NOTES**

1. A SUBSURFACE SOIL INVESTIGATION HAS BEEN PERFORMED BY YEDOMO CONSULTANTS , LLC. A PRELIMINARY GEOTECHNICAL REPORT DATED JULY 17, 2023 IS AVAILABLE FROM WSP.
2. PRECAST CONCRETE GRAVITY RETAINING WALLS SHALL BE PAID FOR UNDER ITEM NO 506009 - GRAVITY BLOCK WALL.
3. GRAVITY WALLS SHALL CONFORM TO SPECIAL PROVISION FOR SECTION 506 - GRAVITY BLOCK WALLS. PRECAST CONCRETE GRAVITY BLOCK WALLS SHALL BE REDI-ROCK GRAVITY WALLS. REDI-ROCK CONTACT INFORMATION IS SHOWN BELOW:

BUILDODOGY  
 17 COLONY DRIVE  
 SANTA FE, NM 87507  
 (505) 344-6626 EXT. 2

**INDEX OF SHEETS**

- 5D-1 GENERAL NOTES AND ESTIMATED QUANTITIES
- 5D-2 GRAVITY WALL 01 SECTIONS
- 5D-3 GRAVITY WALL 01 PLAN AND PROFILE
- 5D-4 GRAVITY WALL 02 SECTIONS, PLAN & PROFILE
- 5D-5 RETAINING WALL 01 SECTIONS, PLAN & PROFILE

**ESTIMATED QUANTITIES**

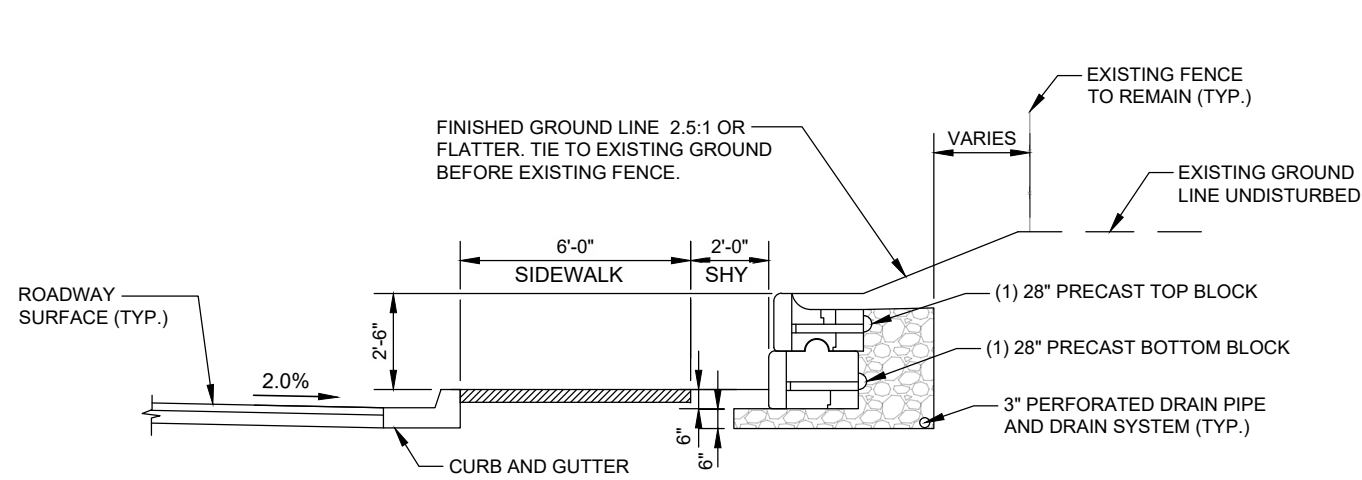
ITEM NO.	DESCRIPTION	UNIT	GRAVITY WALL 01	GRAVITY WALL 02	RETAINING WALL 01	QUANTITY
210002	MAJOR STRUCTURE EXCAVATION	C.Y.	450	80	170	700
210003	MAJOR STRUCTURE BACKFILL	C.Y.	230	40	540	810
506009	GRAVITY BLOCK WALL	S.F	1,700	300		2,000
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.			153	153
540060	REINFORCING BARS GRADE 60	LB			14,000	14,000
607024	CHAIN LINK FENCE 4'	L.F.		72		72



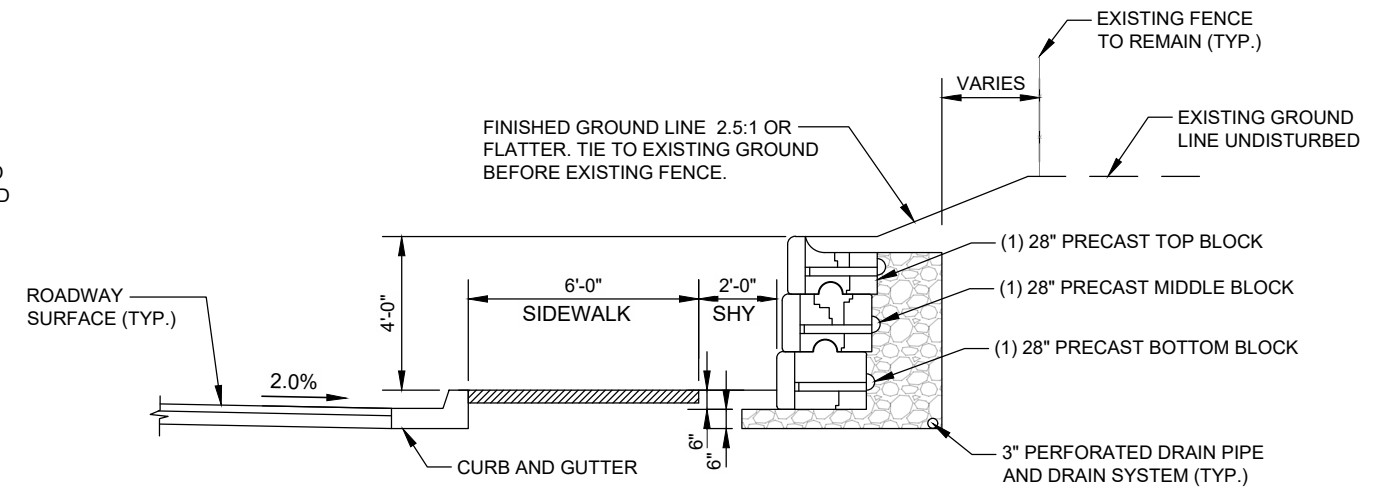
NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE.  
 PRECAST CONCRETE GRAVITY WALLS  
 GENERAL NOTES AND ESTIMATED QUANTITIES

**30% NOT FOR CONSTRUCTION**



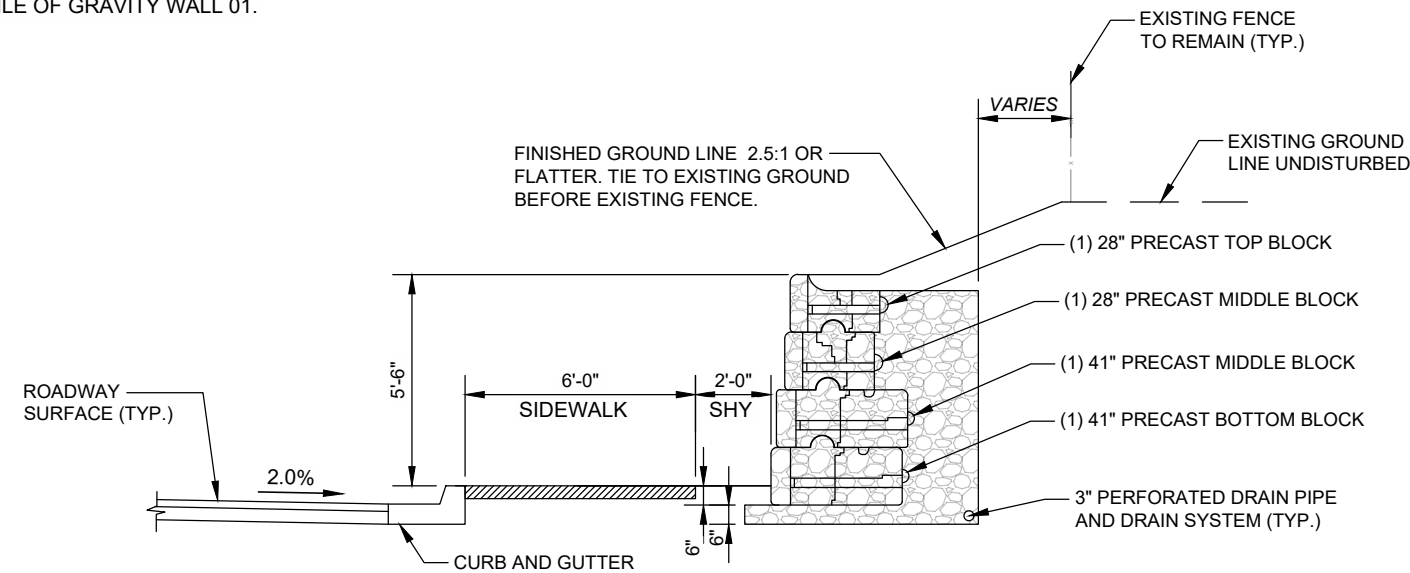
**2'-6" HIGH MAX. SECTION**



**4'-0" HIGH MAX. SECTION**

**NOTES:**

1. SECTIONS SHOWN ARE FOR GRAVITY WALL 01.
2. SEE SHEET 5D-3 FOR PLAN AND PROFILE OF GRAVITY WALL 01.



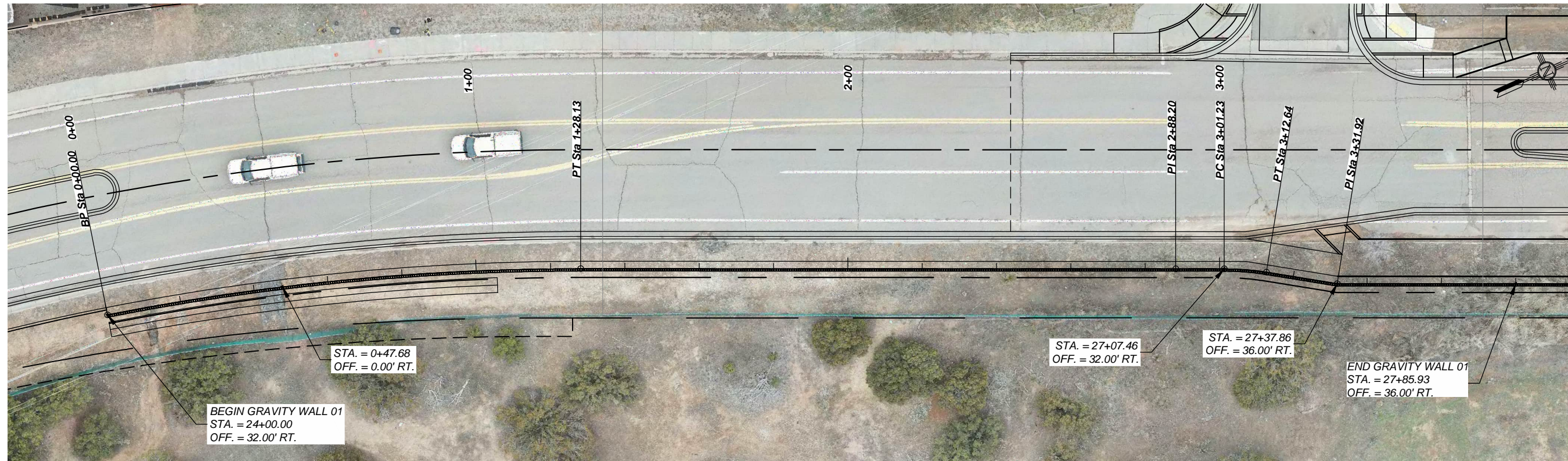
**5'-6" HIGH MAX. SECTION**

**30% NOT FOR CONSTRUCTION**

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE.  
 PRECAST CONCRETE GRAVITY WALLS  
 GRAVITY WALL 01 SECTIONS

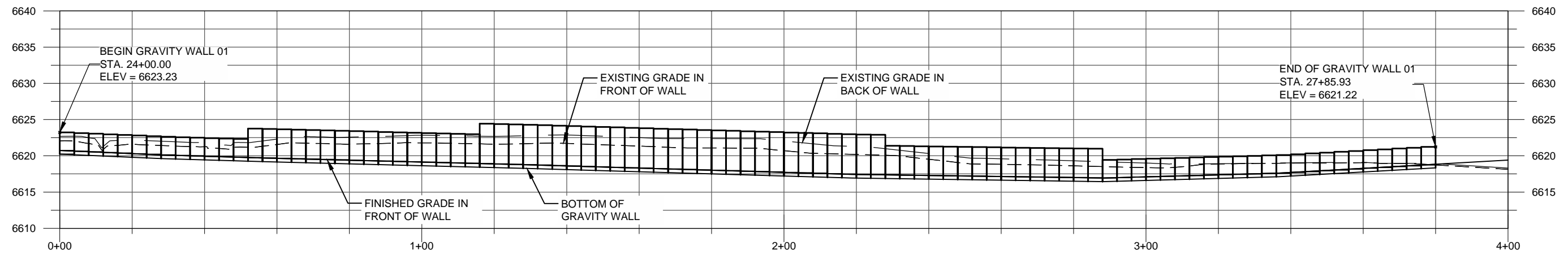




**GRAVITY WALL 01 PLAN**

PLAN DRAWING SCALE: 1" = 30'

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



**GRAVITY WALL 01 PROFILE**

GRAVITY WALL 01			
START STATION	END STATION	HEIGHT (FT)	TOTAL SEGMENTS
0+00.00	0+52.00	2.50	13
0+52.00	1+16.00	4.00	16
1+16.00	2+28.00	5.50	28
2+28.00	2+88.00	4.00	15
2+88.00	3+80.00	2.50	23

GRAVITY WALL SEGMENTS SHOWN ARE 4' WIDE ALONG PROFILE. TABLE IS FOR CONTRACTOR INFORMATION ONLY.

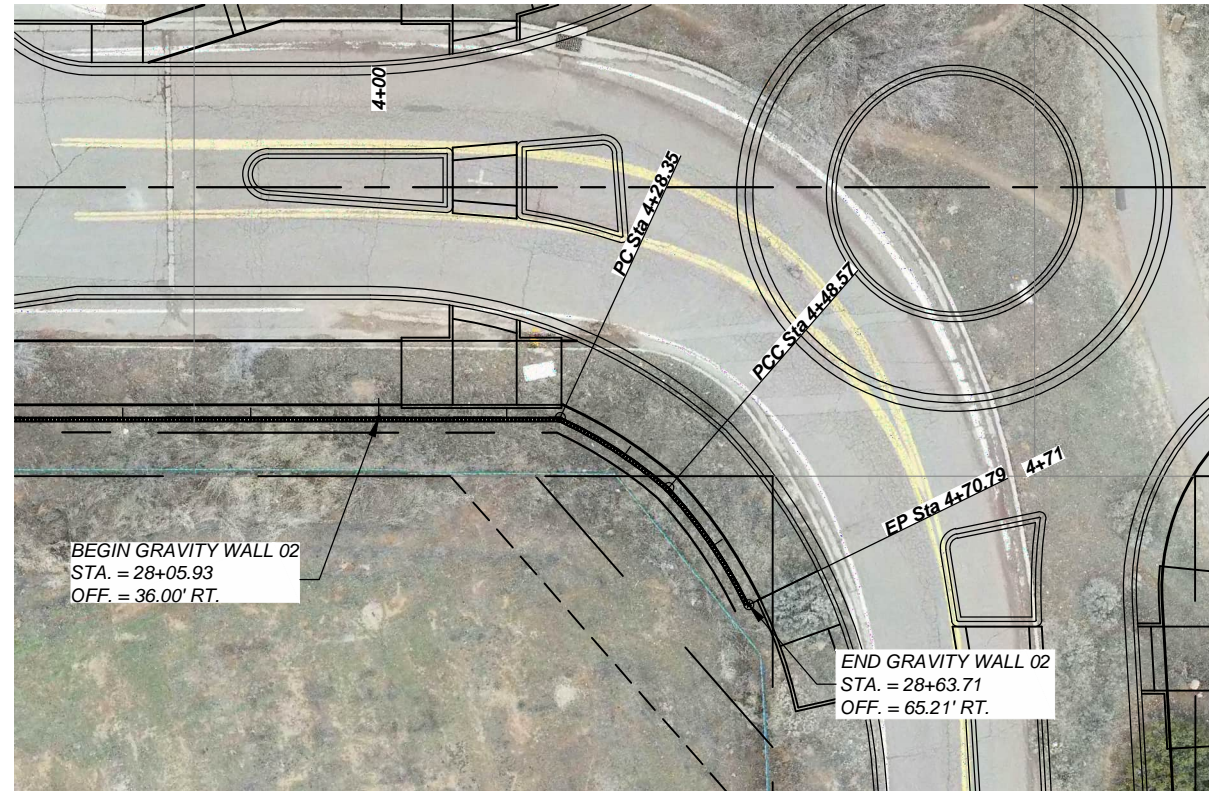
**30% NOT FOR CONSTRUCTION**



NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			
NO.			

RICHARDS AVE.  
 PRECAST CONCRETE GRAVITY WALLS  
 GRAVITY WALL 01 PLAN & PROFILE

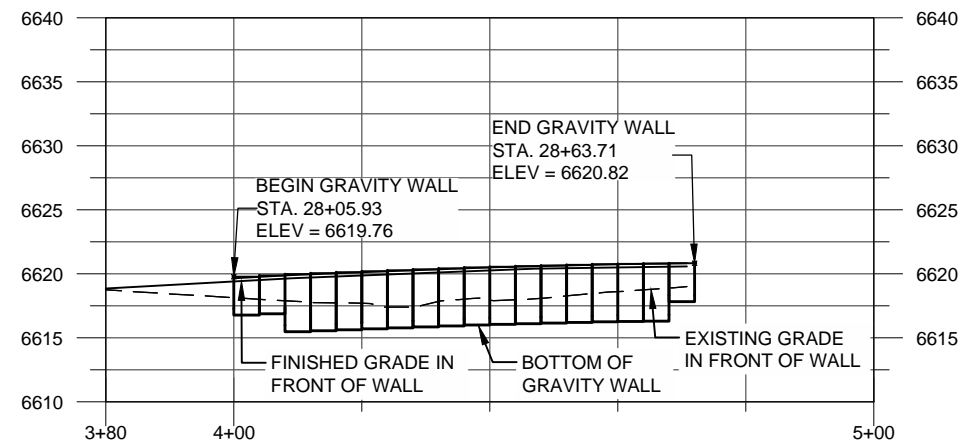




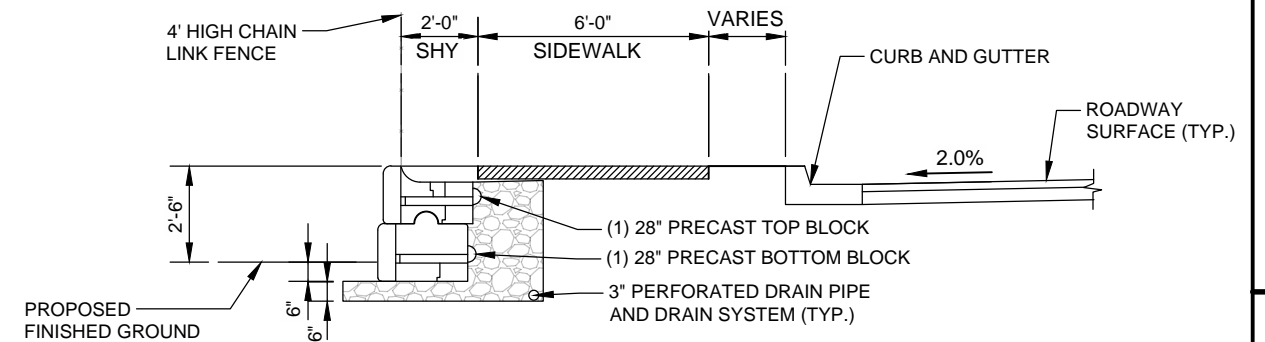
**GRAVITY WALL 02 PLAN**

PLAN DRAWING SCALE: 1" = 30'

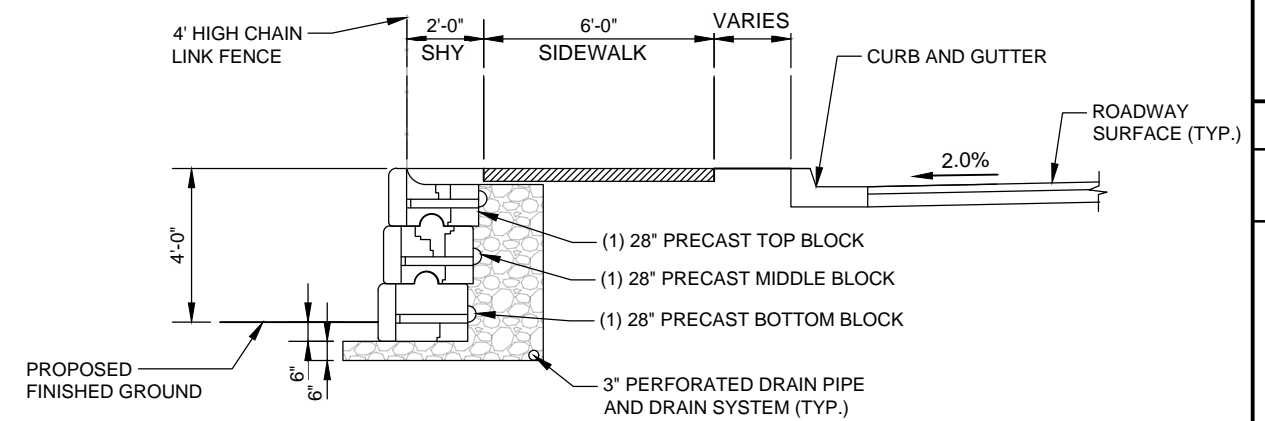
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



**GRAVITY WALL 02 PROFILE**



**2'-6" HIGH MAX. SECTION**



**4'-0" HIGH MAX. SECTION**

GRAVITY WALL 02			
START STATION	END STATION	HEIGHT (FT)	TOTAL SEGMENTS
4+00.00	4+08.00	2.50	2
4+08.00	4+68.00	4.00	15
4+68.00	4+72.00	2.50	1

GRAVITY WALL SEGMENTS SHOWN ARE 4' WIDE ALONG PROFILE. TABLE IS FOR CONTRACTOR INFORMATION ONLY.

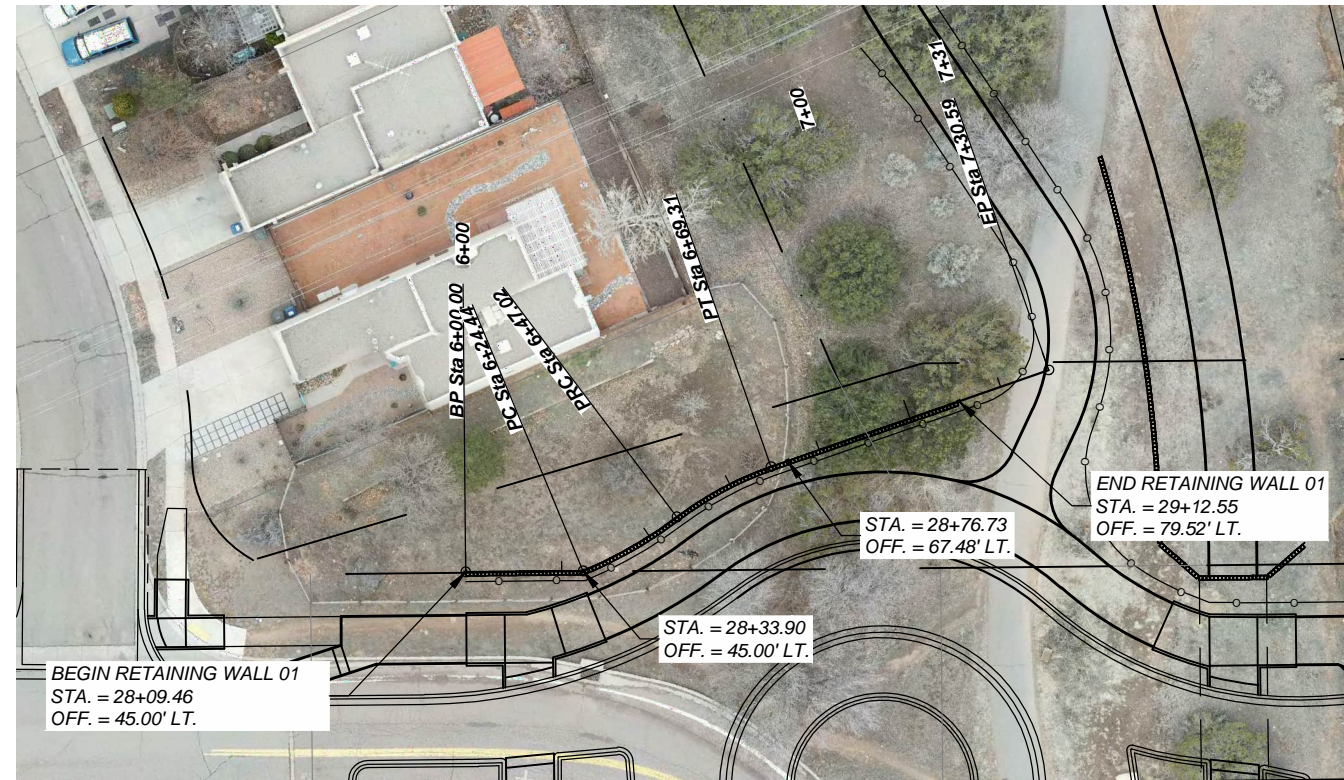


NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

RICHARDS AVE.  
 PRECAST CONCRETE GRAVITY WALLS  
 GRAVITY WALL 02 SECTIONS, PLAN & PROFILE

**30% NOT FOR CONSTRUCTION**

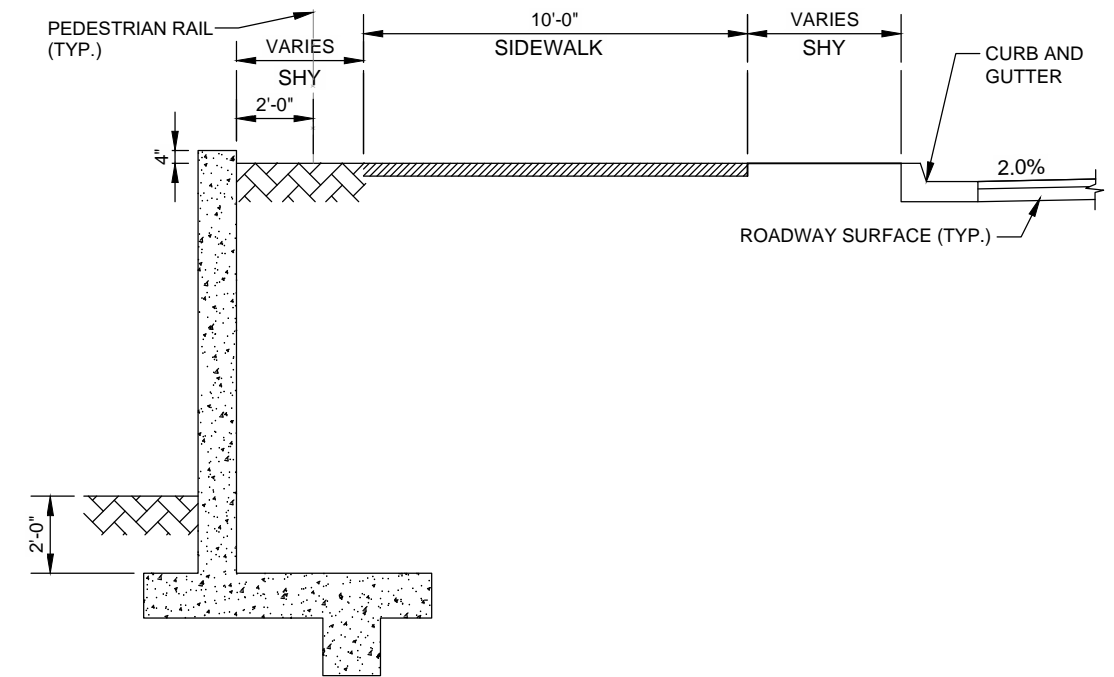




**RETAINING WALL 01 PLAN**

PLAN DRAWING SCALE: 1" = 40'

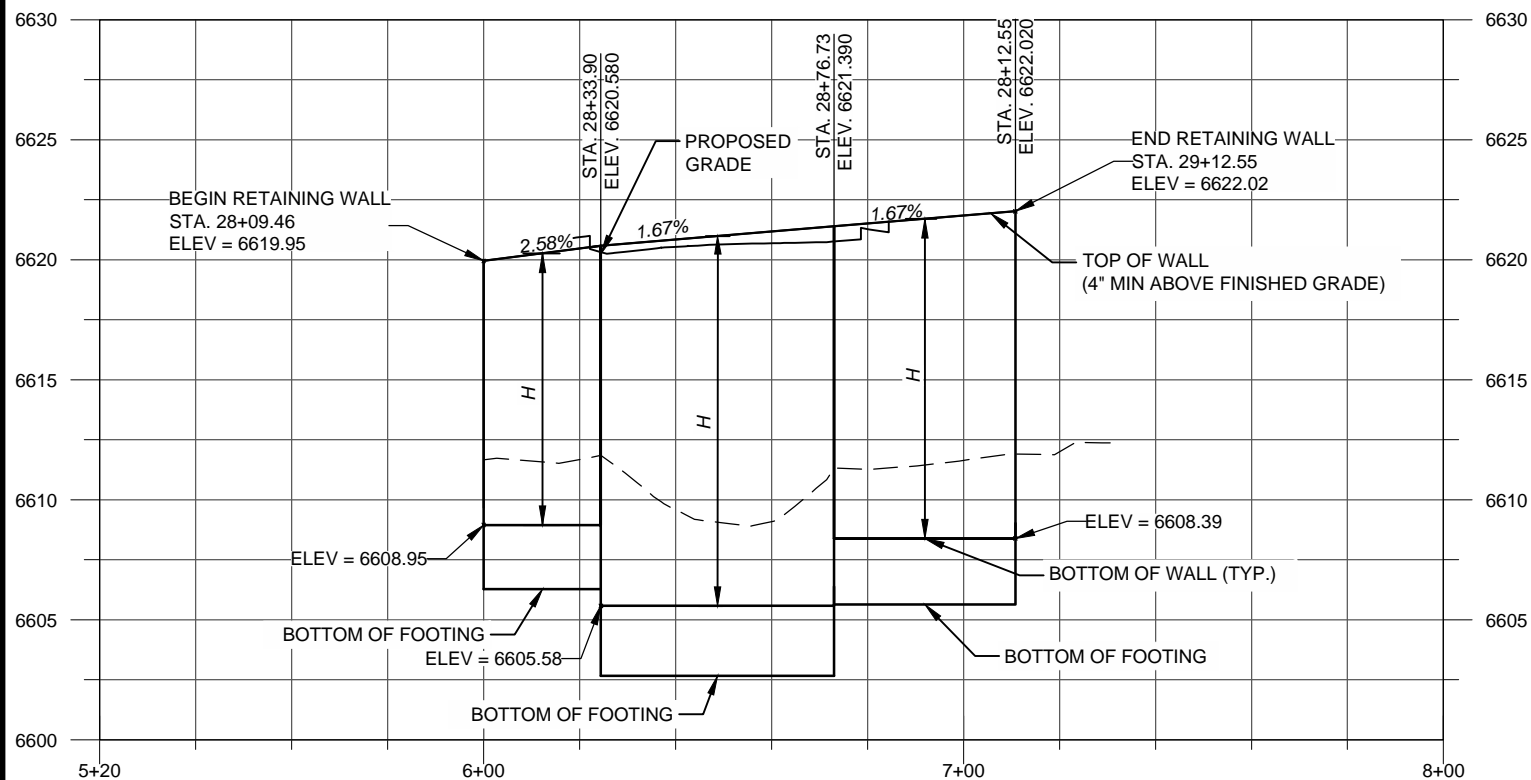
HORIZONTAL SCALE: 1" = 40' VERTICAL SCALE: 1" = 4'



**RETAINING WALL TYPICAL SECTION**

RETAINING WALL 01		
START STATION	END STATION	AVERAGE H (FT)
6+00.00	6+24.44	11.32
6+24.44	6+73.02	15.41
6+73.02	7+10.80	13.32

SEE NMDOT STANDARD DRAWING 511-80 FOR DETAILS CASE I - LEVEL FILL.



**RETAINING WALL 01 PROFILE**



NO.	DESCRIPTION	DATE	BY
4			
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RICHARDS AVE.  
PRECAST CONCRETE GRAVITY WALLS  
RETAINING WALL 01 SECTIONS, PLAN & PROFILE

**30% NOT FOR CONSTRUCTION**

**TRAFFIC CONTROL PLAN**

THE SUGGESTED SEQUENCE IS TO IMPROVE EXISTING SEGMENTS OF RICHARDS AVENUE SOUTH AND NORTH OF THE PROPOSED EXTENSION WHILE TRAFFIC FLOWS ARE AT OR BELOW EXISTING LEVELS. CONTRACTOR MAY WORK ON PHASES SIMULTANEOUSLY BUT SHALL NOT OPEN THE NEW ROADWAY EXTENSION UNTIL THE SOUTH AND NORTH SEGMENTS AND THE ROUNDABOUT AND GCCC ROAD IMPROVEMENTS ARE COMPLETE.

WORK IN THE ARROYOS TO BE PLANNED AROUND/NOT TO OCCUR DURING PEAK RUNOFF PERIODS.

FULL CLOSURE OF THE RICHARDS AVENUE/GCCC ROAD INTERSECTION WILL BE ALLOWED TO EXPEDITE CONSTRUCTION OF THE PROPOSED ROUNDABOUT. THE CENTER ISLAND, TRUCK APRON AND NORTH SIDE OF THE ROUNDABOUT INCLUDING MULTI-USE TRAIL IMPROVEMENTS AND THE PEDESTRIAN UNDERPASS TO BE PARTIALLY CONSTRUCTED WITH THE CONSTRUCTION OF THE BRIDGE OVER THE ARROYO DE LOS CHAMISOS. TEMPORARY TRAFFIC CONTROL MEASURES SHALL BE PROVIDED TO MAINTAIN THE MULTI-USE TRAIL CROSSING OF RICHARDS AVENUE.

**SUGGESTED SEQUENCE OF CONSTRUCTION**

**PHASE 1:**

1. CLOSE THE EXISTING RICHARDS AVE/GCCC RD INTERSECTION.
2. BUILD RETAINING WALLS.
3. INSTALL THE STORM DRAIN SYSTEM.
4. BUILD THE ROUNDABOUT WITHOUT THE CENTER ISLAND AND TRUCK APRON. PROVIDE TEMPORARY PAVEMENT IN THE MIDDLE OF THE ROUNDABOUT TO ALLOW THE INTERSECTION TO BE OPENED TO TRAFFIC.
5. BUILD IMPROVEMENTS TO GCCC ROAD.
6. BUILD MULTI-USE TRAIL IMPROVEMENTS, EXCEPT FOR THE UNDERPASS AREA. PROVIDE TEMPORARY CROSSING OF RICHARDS AVE. ACROSS THE NORTH LEG OF THE ROUNDABOUT.
7. INSTALL LIGHTING.
8. INSTALL PERMANENT SIGNING AND STRIPING.

**PHASE 2A:**

1. PROVIDE TWO-WAY TRAVEL ALONG THE EASTERN HALF OF THE EXISTING ROADWAY.
2. MAINTAIN THE EXISTING SIDEWALK AND CURB AND GUTTER ALONG THE WEST SIDE OF RICHARDS AVENUE.
3. PERFORM MILL AND INLAY OPERATIONS FOR THE WEST HALF OF RICHARDS AVE.

**PHASE 2B:**

1. PROVIDE TWO-WAY TRAVEL ALONG THE WESTERN HALF OF THE REPAVED ROADWAY. MAINTAIN PEDESTRIAN TRAVEL ALONG THE EXISTING SIDEWALK.
2. REMOVE AND RECONSTRUCT THE CURB AND GUTTER ALONG THE EAST SIDE OF RICHARDS AVE.
3. BUILD RETAINING WALLS AND NEW SIDEWALK ON THE EAST SIDE OF RICHARDS AVE.
4. PERFORM MILL AND INLAY OPERATIONS FOR THE EAST HALF OF RICHARDS AVE.
5. INSTALL SPOT LIGHTING.

**PHASE 2C:**

1. CLOSE THE MEDIAN AND CONSTRUCT MEDIAN ISLANDS. TRAFFIC IN EACH DIRECTION ALONG THE CURB LINE.
2. CONSTRUCT NEW MEDIANS
3. INSTALL PERMANENT SIGNING AND STRIPING.

**PHASE 2D:**

1. BUILD THE NORTHBOUND RIGHT-TURN LANE ON RICHARDS AVE SOUTH OF RODEO RD AND ASSOCIATED IMPROVEMENTS.
2. RECONSTRUCT THE CURB RAMPS ON THE NORTH SIDE OF THE RODEO RD/RICHARDS AVE INTERSECTION.
3. INSTALL TRAFFIC SIGNAL IMPROVEMENTS AT THE RODEO RD/RICHARDS AVE INTERSECTION.
4. INSTALL PERMANENT SIGNING AND STRIPING.

**PHASE 3A:**

1. REMOVE ALL EXISTING RAISED MEDIANS AND INSTALL TEMPORARY PAVEMENT.
2. PROVIDE TWO-WAY TRAFFIC ALONG THE EASTSIDE OF RICHARDS AVE (10-FT LANES).
3. CLOSE ACCESS TO/FROM LOURAINÉ CIRCLE AND LOURAINÉ STREET. MAINTAIN ACCESS AT SIRINGO ROAD EASTBOUND AND WESTBOUND FOR LOCAL TRAFFIC ONLY (DETOUR AT CAMINO CONSUELO).
4. INSTALL THE STORM DRAIN SYSTEM.

5. RECONSTRUCT THE CURB AND GUTTER, SIDEWALK, PRIVATE DRIVEWAYS AND PUBLIC STREET CORNERS ALONG THE WEST SIDE OF RICHARDS AVE.
6. BUILD THE WESTERN HALF OF RICHARDS AVE. DO NOT INSTALL RAISED ISLANDS.

**PHASE 3B:**

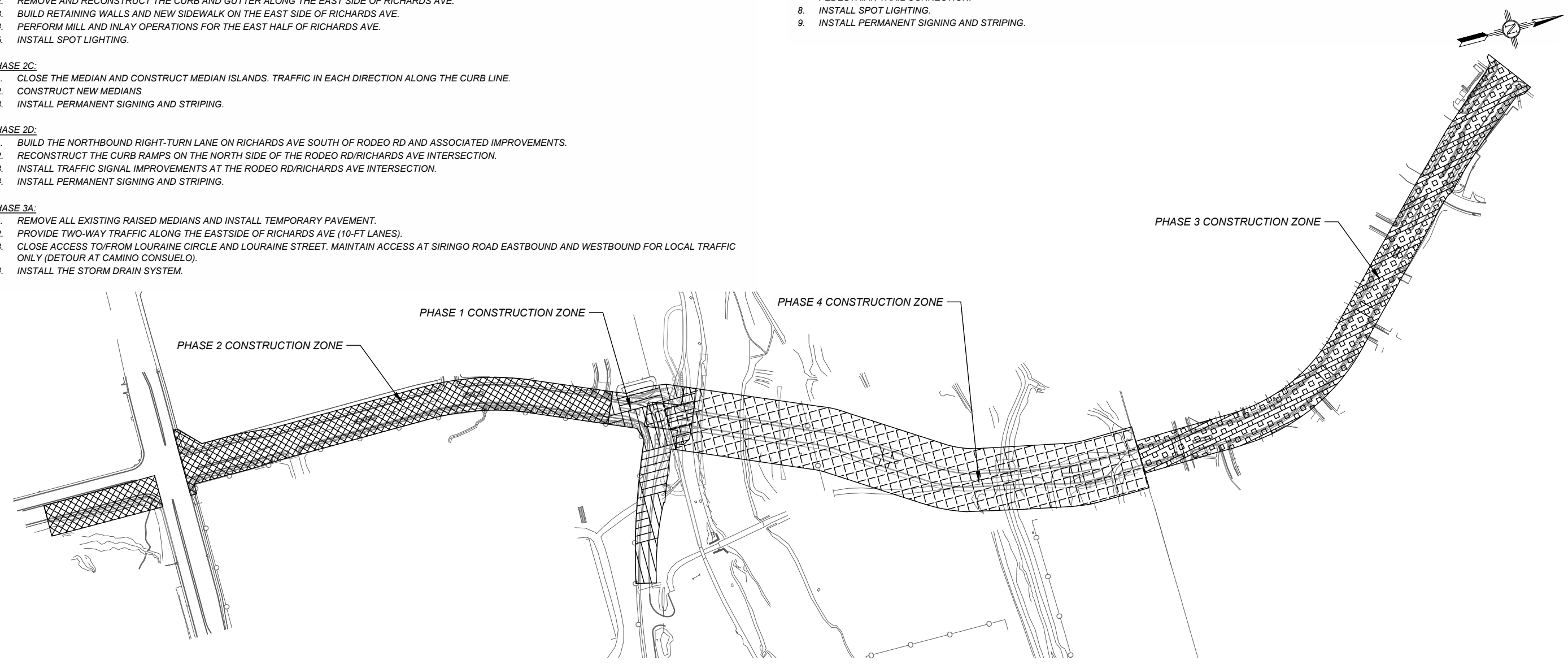
1. SHIFT TRAFFIC TO THE WESTSIDE OF RICHARDS AVE AND PROVIDE TWO-WAY TRAFFIC (10-FT LANES).
2. KEEP THE CLOSED ACCESS TO/FROM LOURAINÉ CIRCLE AND LOURAINÉ STREET. MAINTAIN ACCESS AT SIRINGO ROAD EASTBOUND AND WESTBOUND FOR LOCAL TRAFFIC ONLY (DETOUR AT CAMINO CONSUELO).
3. INSTALL THE STORM DRAIN SYSTEM.
4. RECONSTRUCT THE CURB AND GUTTER, SIDEWALK, PRIVATE DRIVEWAYS AND PUBLIC STREET CORNERS ALONG THE EAST SIDE OF RICHARDS AVE. INCLUDING THE RETAINING WALL.
5. BUILD THE NORTHBOUND RIGHT-TURN LANE APPROACHING CERRILLOS RD.
6. INSTALL TRAFFIC SIGNAL IMPROVEMENTS AT THE CERRILLOS RD/RICHARDS AVE INTERSECTION.
7. BUILD THE EASTERN HALF OF RICHARDS AVE. DO NOT INSTALL RAISED ISLANDS.
8. INSTALL SPOT STREET LIGHTING.

**PHASE 3C:**

1. UTILIZE LOCATION-SPECIFIC TRAFFIC CONTROL TO INSTALL THE RAISED ISLANDS ALONG THE WEST SIDE OF RICHARDS AVE.
2. CLOSE THE MEDIAN AREA FROM JAMES ST. TO CERRILLOS RD. AND BUILD THE NEW RAISED MEDIANS.
3. INSTALL PERMANENT SIGNING AND STRIPING.

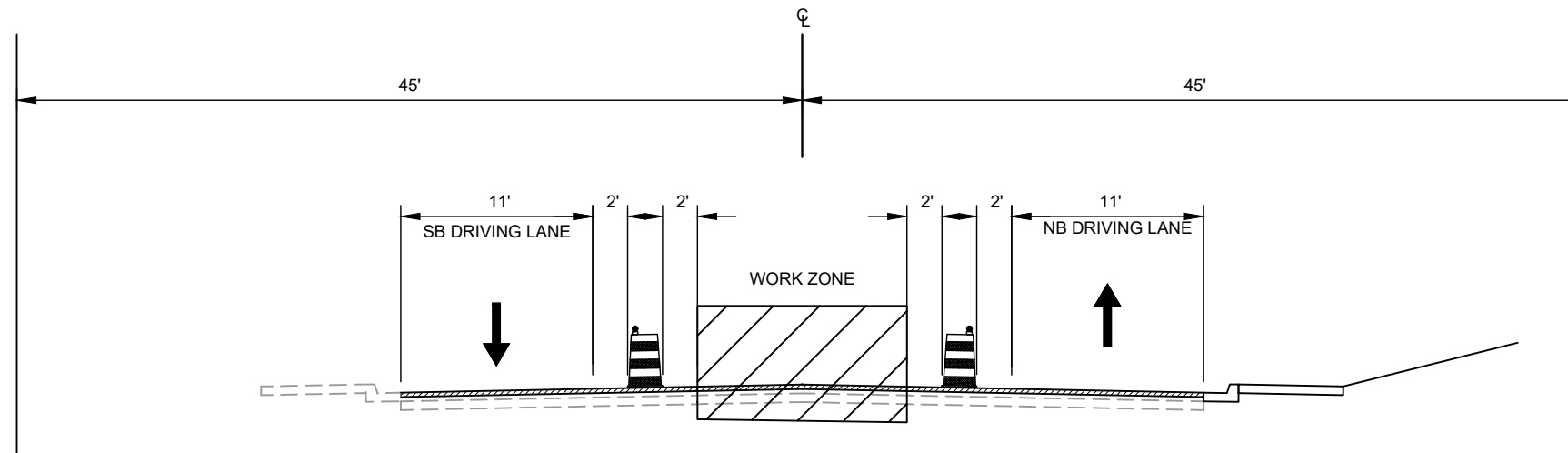
**PHASE 4:**

1. BUILD THE BRIDGE OVER THE ARROYO CHAMISOS, THE SCOUR PROTECTION MEASURES ALONG THE ARROYO CHAMISOS BANKS, GRADING WITHIN THE ARROYO, AND THE PEDESTRIAN UNDERPASS.
2. BUILD THE CENTER ISLAND AND TRUCK APRON IN THE ROUNDABOUT AT RICHARDS AVE/GCCC RD.
3. BUILD THE BRIDGE OVER THE ARROYO PINOS AND IMPROVEMENTS IN THE ARROYO.
4. INSTALL THE STORM DRAIN SYSTEM.
5. BUILD THE NEW ROADWAY, SIDEWALK, AND TRAIL AND ALL OTHER ASSOCIATED IMPROVEMENTS.
6. BUILD MEDIAN ISLANDS.
7. CONNECT THE EXISTING UNIMPROVED EMERGENCY ACCESS ROAD TO THE NEW MULTI-USE TRAIL ON THE EAST SIDE OF RICHARDS AVE AS AN UNIMPROVED PEDESTRIAN TRAIL CONNECTION.
8. INSTALL SPOT LIGHTING.
9. INSTALL PERMANENT SIGNING AND STRIPING.

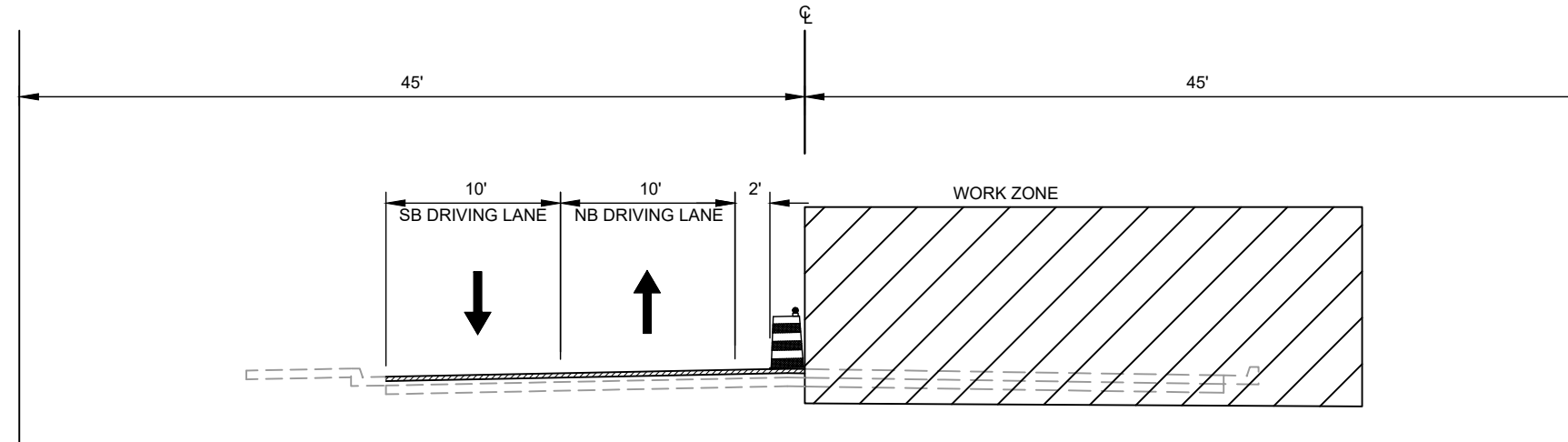


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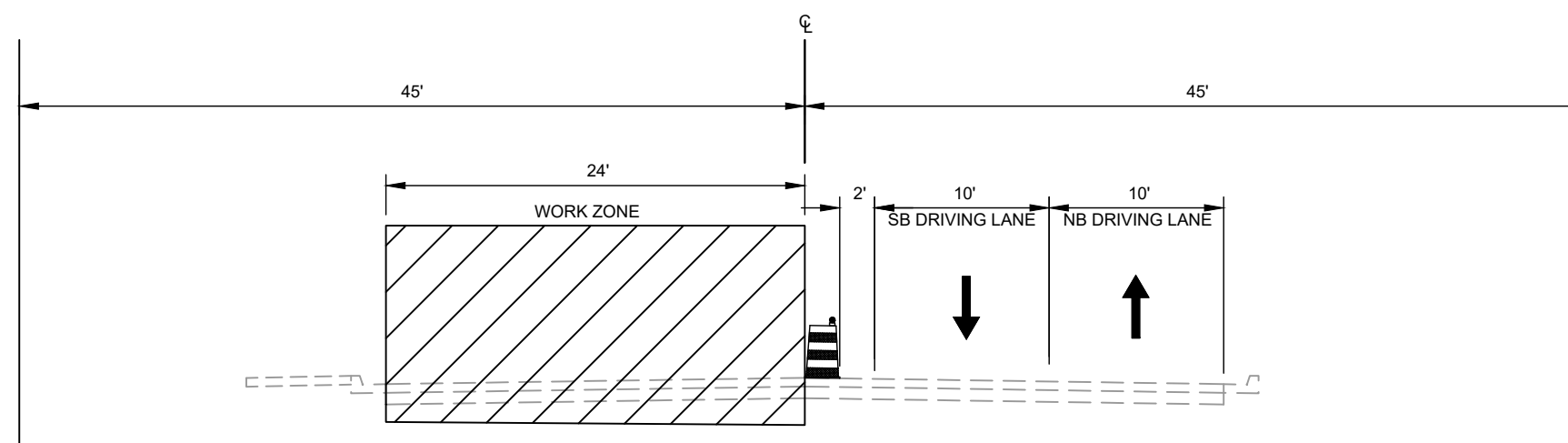
ARROYO DE LOS CHAMISOS CROSSING  
SUGGESTED SEQUENCE OF CONSTRUCTION



**PHASE 2C TYPICAL SECTION (MEDIAN CONSTRUCTION)**  
 STA. 20+42.45 TO STA. 21+00.45  
 STA. 23+51.66 TO STA. 24+09.44



**PHASE 2B TYPICAL SECTION**  
 STA. 18+16.30 TO STA. 22+93.71

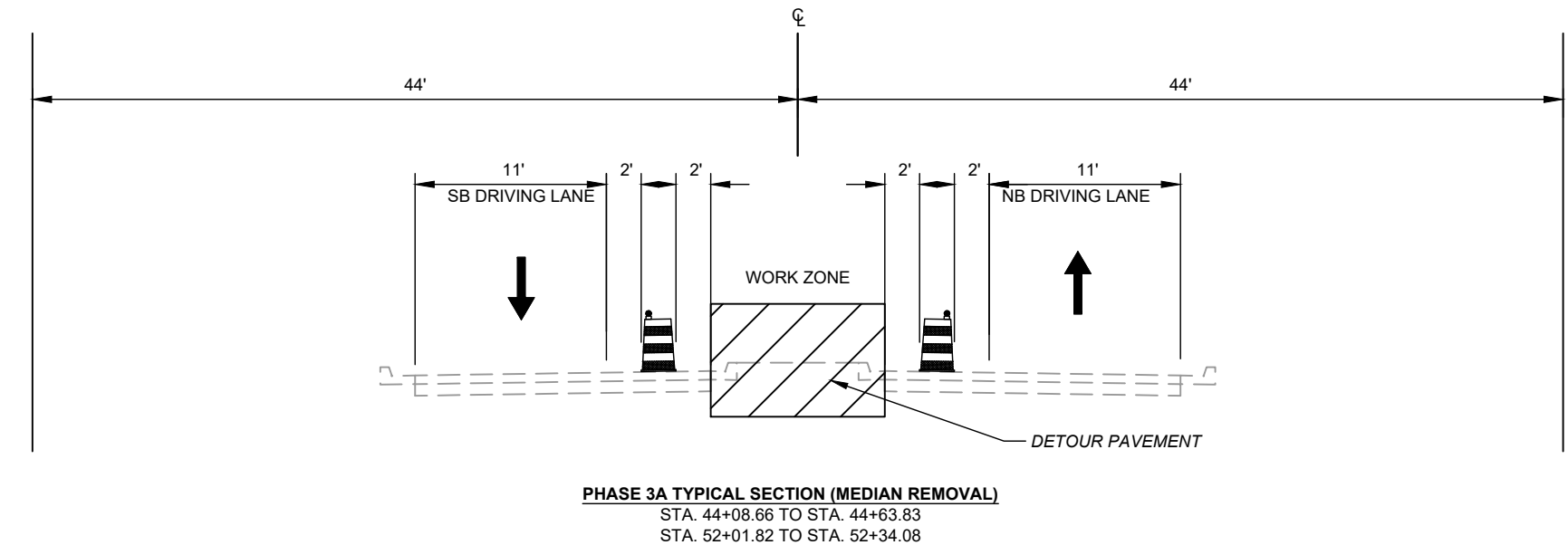
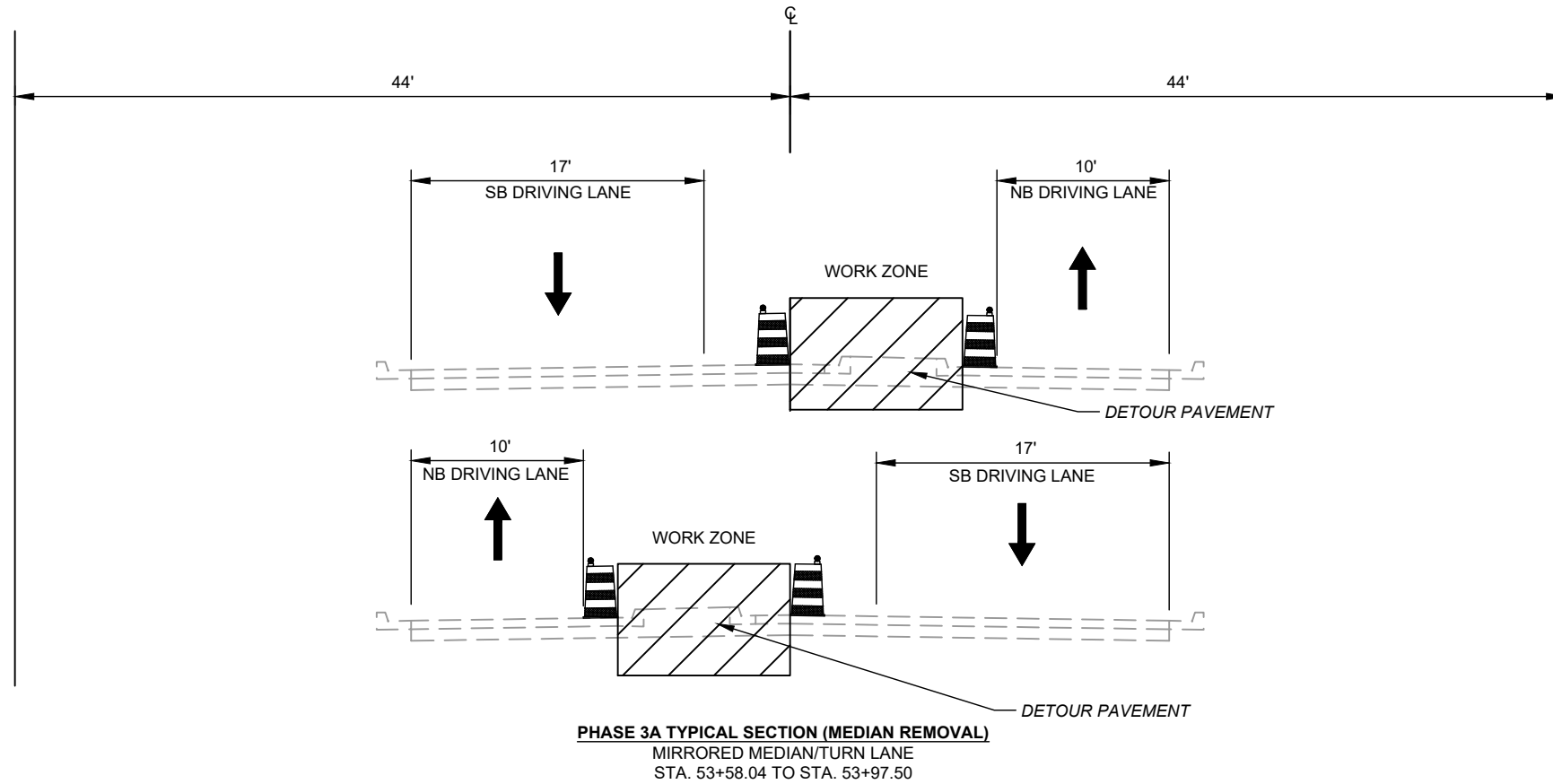


**PHASE 2A TYPICAL SECTION**  
 STA. 18+16.30 TO STA. 22+93.71

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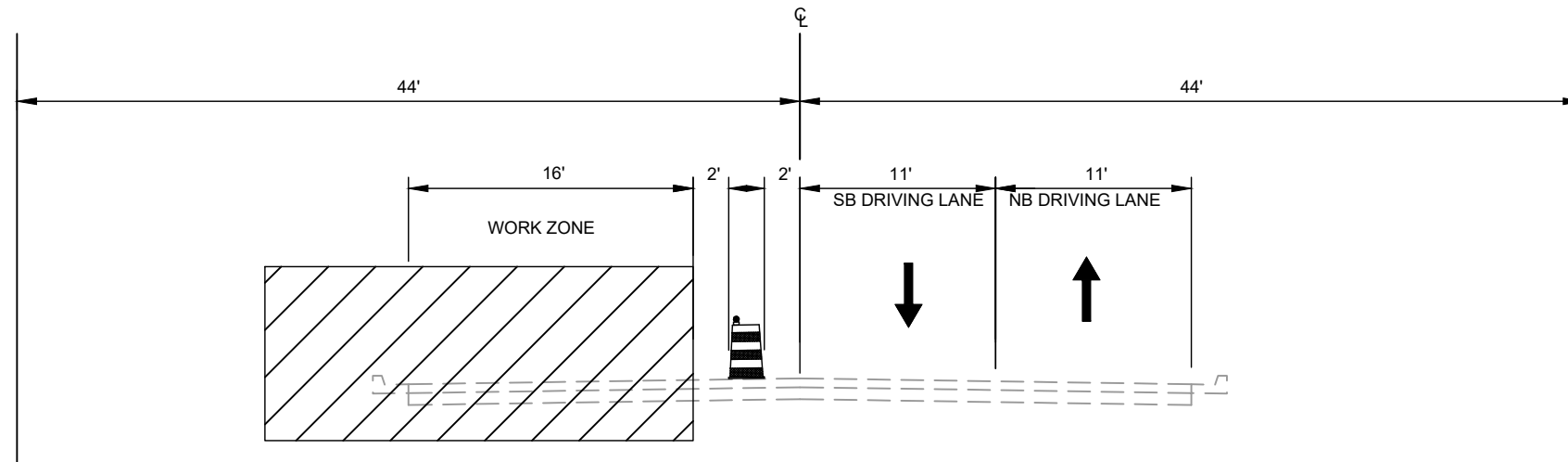
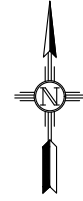
ARROYO DE LOS CHAMISOS CROSSING  
 TRAFFIC CONTROL TYPICAL SECTIONS



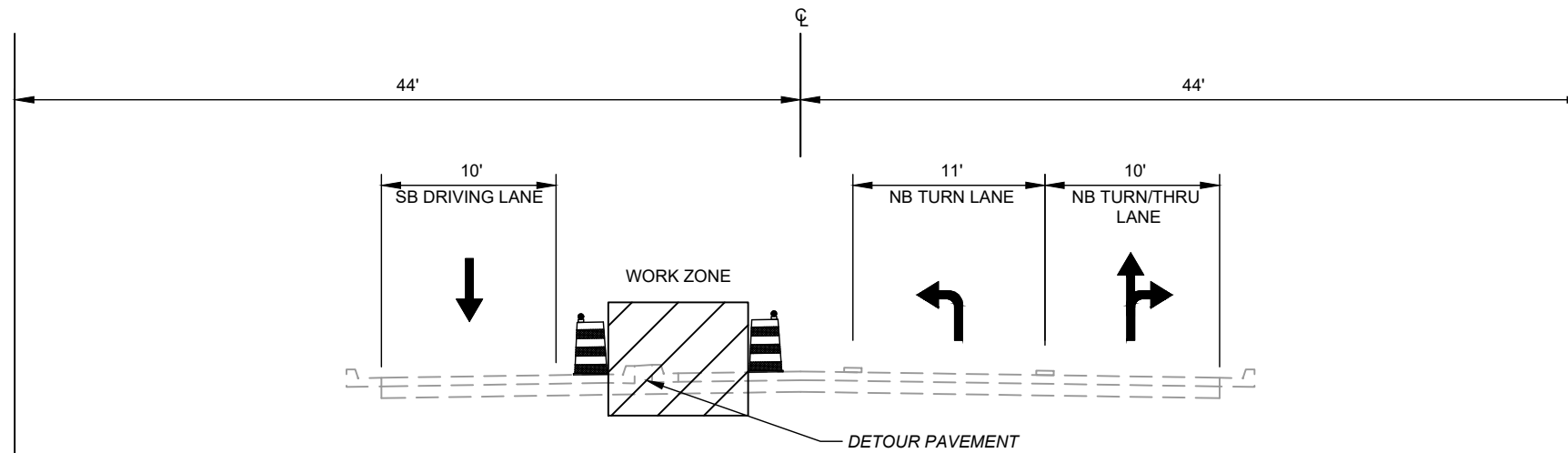


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ARROYO DE LOS CHAMISOS CROSSING  
TRAFFIC CONTROL TYPICAL SECTIONS



**PHASE 3A TYPICAL SECTION**  
STA. 42+56.42 TO STA. 52+30.18

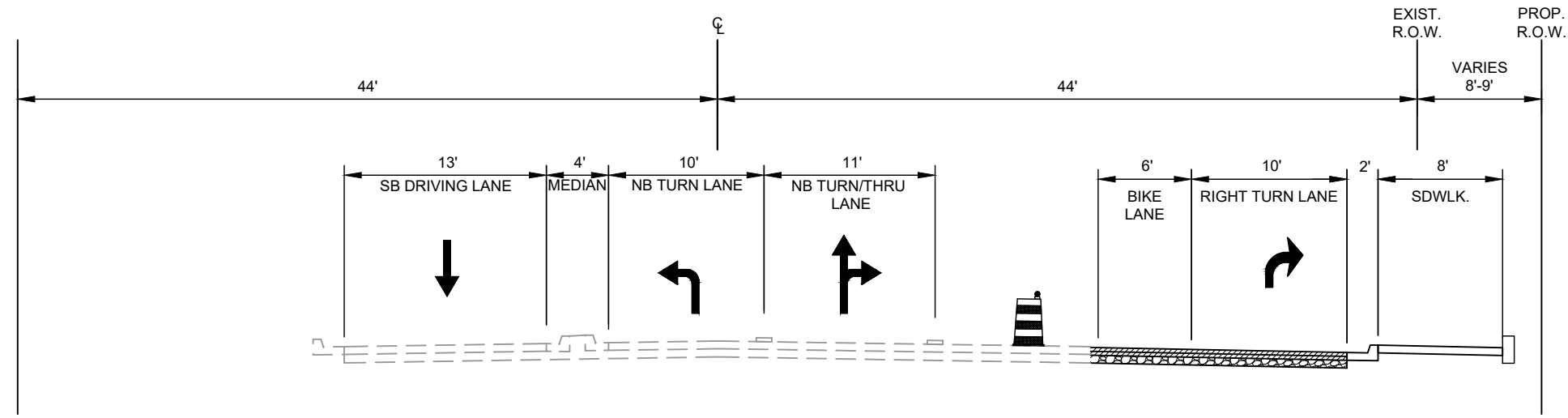
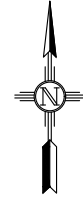


**PHASE 3A TYPICAL SECTION (MEDIAN REMOVAL)**  
STA. 56+21.61 TO STA. 58+05.88

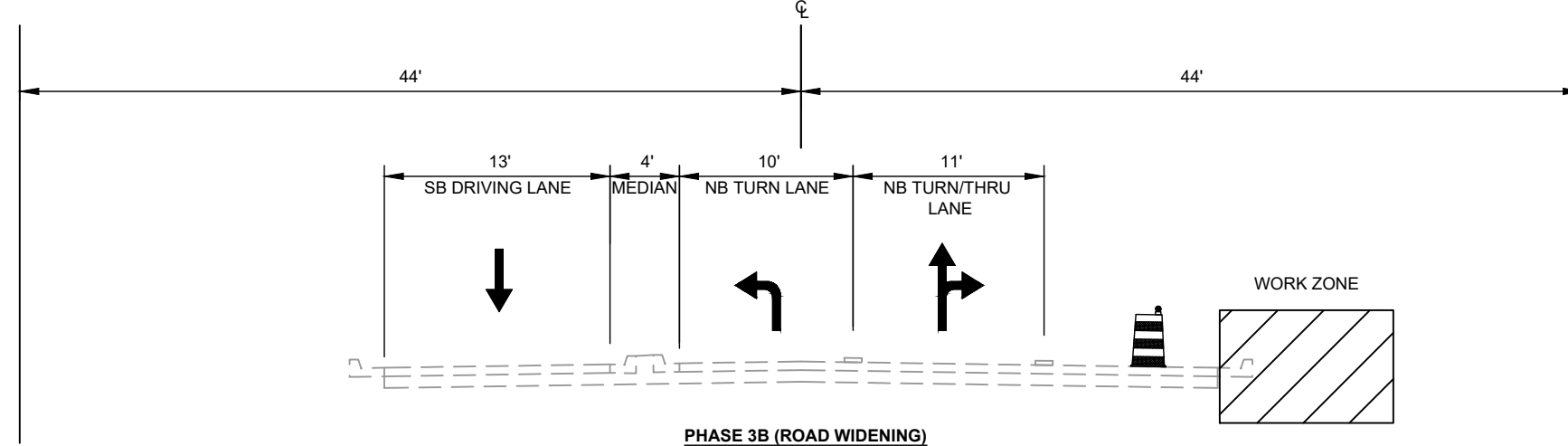
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ARROYO DE LOS CHAMISOS CROSSING  
TRAFFIC CONTROL TYPICAL SECTIONS

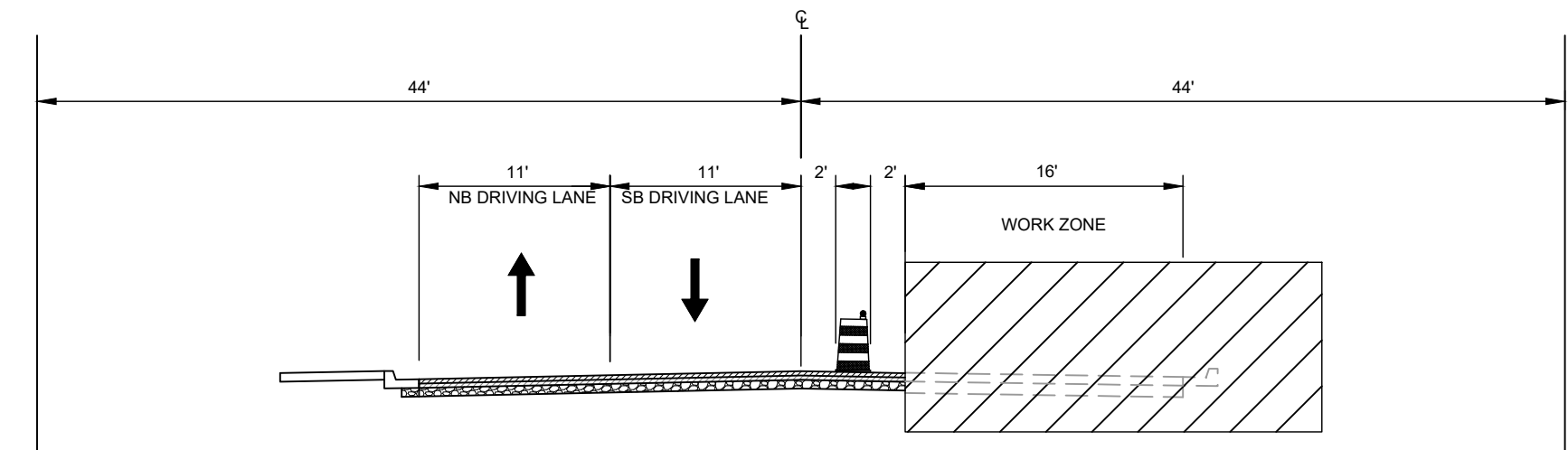




**PHASE 3B (ROAD WIDENING)**  
STA. 56+21.61 TO STA. 58+05.88



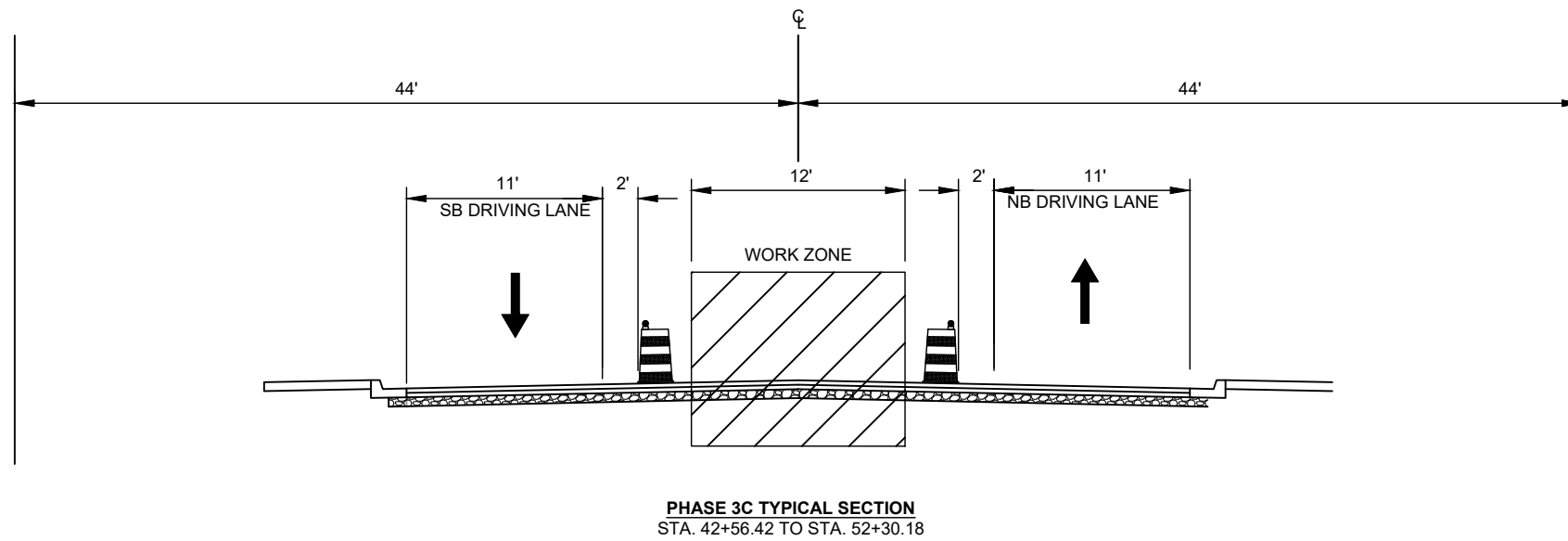
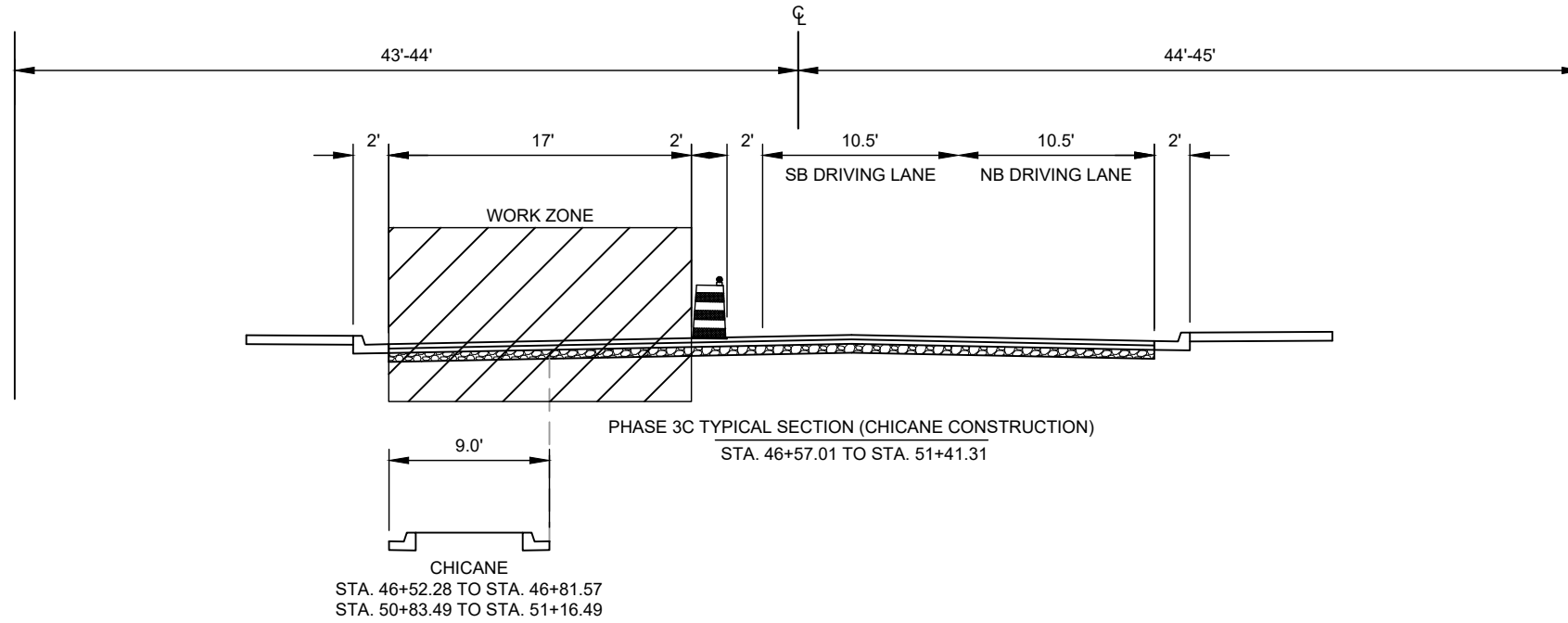
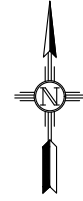
**PHASE 3B (ROAD WIDENING)**  
STA. 56+21.61 TO STA. 58+05.88



**PHASE 3B TYPICAL SECTION**  
STA. 42+56.42 TO STA. 52+30.18

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ARROYO DE LOS CHAMISOS CROSSING  
TRAFFIC CONTROL TYPICAL SECTIONS



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ARROYO DE LOS CHAMISOS CROSSING  
TRAFFIC CONTROL TYPICAL SECTIONS

**PERMANENT SIGNING AND STRIPING NOTES**

1. THE PERMANENT SIGNING AND STRIPING PLANS HAVE BEEN DESIGNED USING THE NMDOT STANDARD SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL SIGNING LOCATIONS PRIOR TO INSTALLATION. NEW SIGN LOCATIONS SHALL BE APPROVED BY THE PROJECT MANAGER. REFER TO NMDOT STANDARD DRAWINGS FOR FURTHER SIGN INSTALLATION DETAILS.

PERMANENT SIGNING AND STRIPING QUANTITIES			
ITEM NO.	BID ITEM	UNITS	PROJECT TOTAL
701000	PANEL SIGNS	S.F.	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	L.F.	
704004*	RETROREFLECTORIZED PAINTED MARKINGS 12"	L.F.	
704700	HOT THERMOPLASTIC PAVEMENT MARKINGS 4"	L.F.	
704701	HOT THERMOPLASTIC PAVEMENT MARKINGS 6"	L.F.	
704702	HOT THERMOPLASTIC PAVEMENT MARKINGS 8"	L.F.	
704704	HOT THERMOPLASTIC PAVEMENT MARKINGS 24"	L.F.	
70470X	HOT THERMOPLASTIC PAVEMENT MARKINGS 18"	L.F.	
704715	HOT THERMOPLASTIC PAVEMENT MARKING COMBINATION (THRU AND RIGHT) ARROW	EACH	
704717	HOT THERMOPLASTIC PAVEMENT MARKING RIGHT ARROW	EACH	
704718	HOT THERMOPLASTIC PAVEMENT MARKING LEFT ARROW	EACH	
704719	HOT THERMOPLASTIC PAVEMENT MARKING THRU ARROW	EACH	
704730**	HOT THERMOPLASTIC PAVEMENT MARKING LANE SYMBOL	EACH	
704731	HOT THERMOPLASTIC PAVEMENT MARKING LANE SYMBOL (BIKEWAY)	EACH	
704732	HOT THERMOPLASTIC PAVEMENT MARKING BIKE SYMBOL (BIKEWAY)	EACH	
704743	HOT THERMOPLASTIC PAVEMENT MARKING WORD (ENDS)	EACH	

NOTES:

\*YELLOW MEDIAN NOSE PAINT PAID USING ITEM 704004

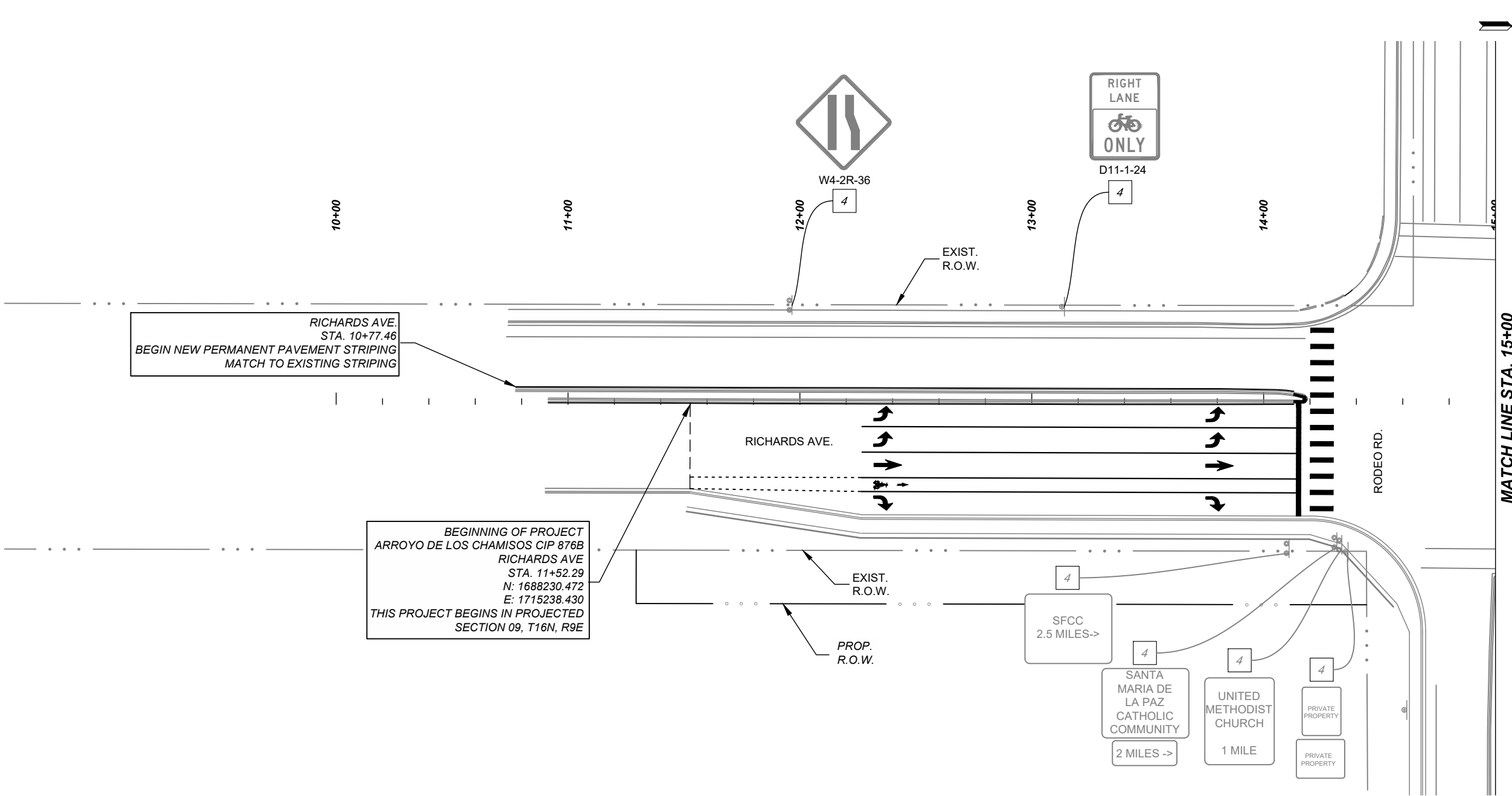
\*\*SPEED HUMP MARKINGS PAID USING ITEM 704730



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ARROYO DE LOS CHAMISOS CROSSING  
PERMANENT SIGNING & STRIPING NOTES AND  
QUANTITIES

30% DESIGN  
NOT FOR CONSTRUCTION



RICHARDS AVE.  
STA. 10+77.46  
BEGIN NEW PERMANENT PAVEMENT STRIPING  
MATCH TO EXISTING STRIPING

BEGINNING OF PROJECT  
ARROYO DE LOS CHAMISOS CIP 876B  
RICHARDS AVE  
STA. 11+52.29  
N: 1688230.472  
E: 1715238.430  
THIS PROJECT BEGINS IN PROJECTED  
SECTION 09, T16N, R9E

**GENERAL NOTES**

1. SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
2. CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

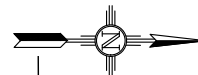
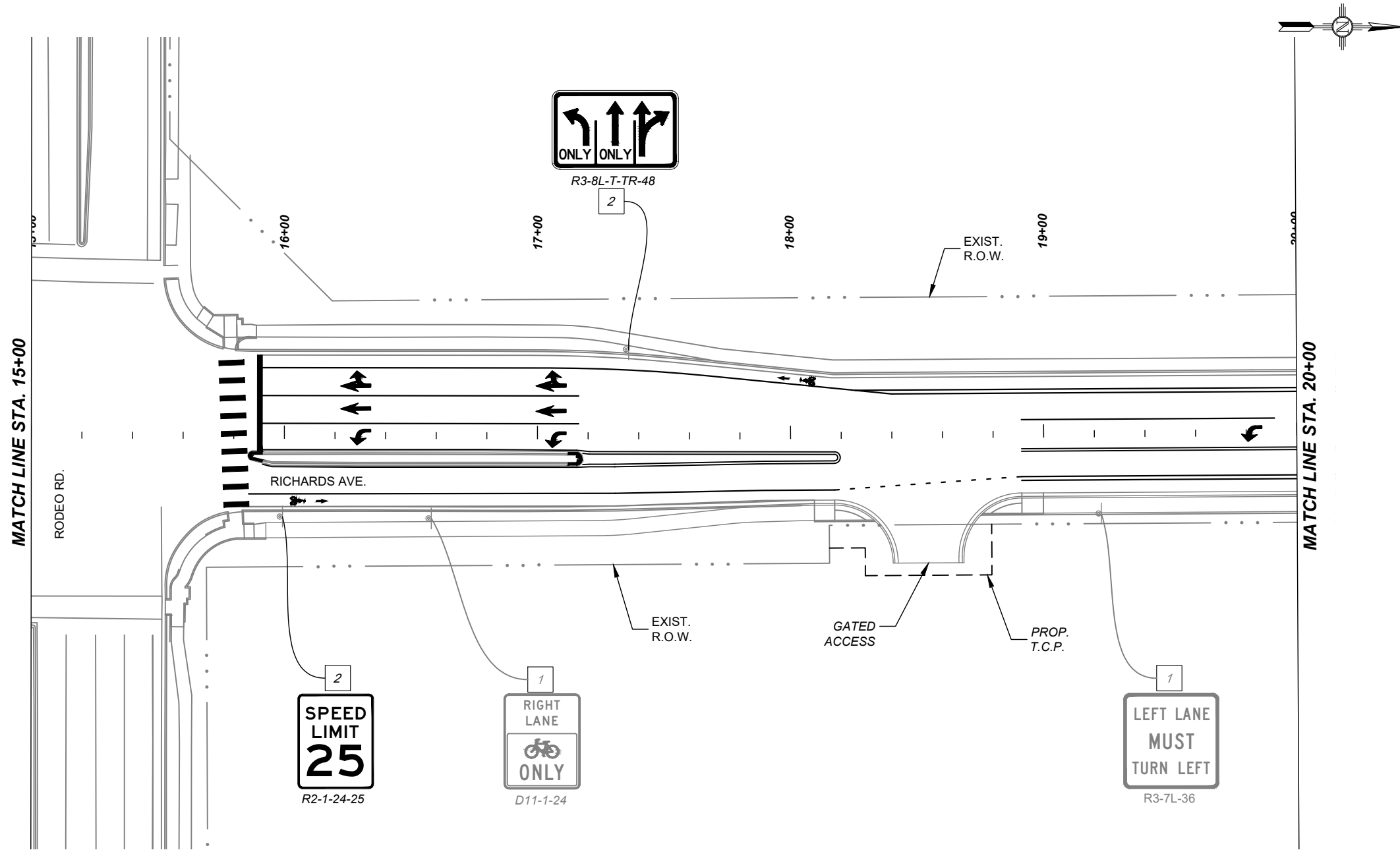
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|--|---|--|
| <u>HOT THERMOPLASTIC PAVEMENT MARKING 4"</u>     | <u>HOT THERMOPLASTIC PAVEMENT MARKING 8"</u>                              | <u>HOT THERMOPLASTIC PAVEMENT MARKING</u>  |
| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                       |
| 2. BROKEN YELLOW (10FT STRIPE/30FT GAP)          | 8. SOLID YELLOW   | 14. RIGHT ARROW                            |
| 3. SOLID YELLOW                                  | <u>HOT THERMOPLASTIC PAVEMENT MARKING 18"</u>                             | 15. LEFT ARROW                             |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                             |
| <u>HOT THERMOPLASTIC PAVEMENT MARKING 6"</u>     | <u>HOT THERMOPLASTIC PAVEMENT MARKING 24"</u>                             | 17. SPEED HUMP                             |
| 5. SOLID WHITE                                   | 10. SOLID WHITE   | 18. LANE SYMBOL (BIKEWAY) (SEE SHEET 7-XX) |
| 6. DOTTED WHITE EXTENSION (2 FT STRIPE/4 FT GAP) | 11. SOLID GREEN (SEE SHEET 7-XX)  | 19. BIKE SYMBOL                            |
|  | <u>RETROREFLECTORIZED PAINTED MARKING 12"</u>                             | 20. WORD (ENDS)                            |
|  | 12. YELLOW MEDIAN NOSE (TWO APPLICATIONS HI-BUILD PAINT) (SEE SHEET 7-XX) |  |

**SIGNING KEYED NOTES**

1. REMOVE AND DISPOSE EXISTING SIGN AND POST.
2. REMOVE AND DISPOSE EXISTING SIGN AND POST AND REPLACE WITH NEW SIGN AND POST.
3. INSTALL NEW SIGN AND POST.
4. EXISTING SIGN TO BE PROTECTED IN PLACE.
5. REMOVE AND RESET EXISTING SIGN AND POST.

30% DESIGN  
NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	BY
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**GENERAL NOTES**

1. SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
2. CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

- |  |   |  |
|--|---|--|
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 4"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 8"</b>                              | <b>HOT THERMOPLASTIC PAVEMENT MARKING</b>  |
| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                       |
| 2. BROKEN YELLOW (10FT STRIPE/30FT GAP)          | 8. SOLID YELLOW   | 14. RIGHT ARROW                            |
| 3. SOLID YELLOW                                  | <b>HOT THERMOPLASTIC PAVEMENT MARKING 18"</b>                             | 15. LEFT ARROW                             |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                             |
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 6"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 24"</b>                             | 17. SPEED HUMP                             |
| 5. SOLID WHITE                                   | 10. SOLID WHITE   | 18. LANE SYMBOL (BIKEWAY) (SEE SHEET 7-XX) |
| 6. DOTTED WHITE EXTENSION (2 FT STRIPE/4 FT GAP) | 11. SOLID GREEN (SEE SHEET 7-XX)  | 19. BIKE SYMBOL                            |
|  | <b>RETROREFLECTORIZED PAINTED MARKING 12"</b>                             | 20. WORD (ENDS)                            |
|  | 12. YELLOW MEDIAN NOSE (TWO APPLICATIONS HI-BUILD PAINT) (SEE SHEET 7-XX) |  |

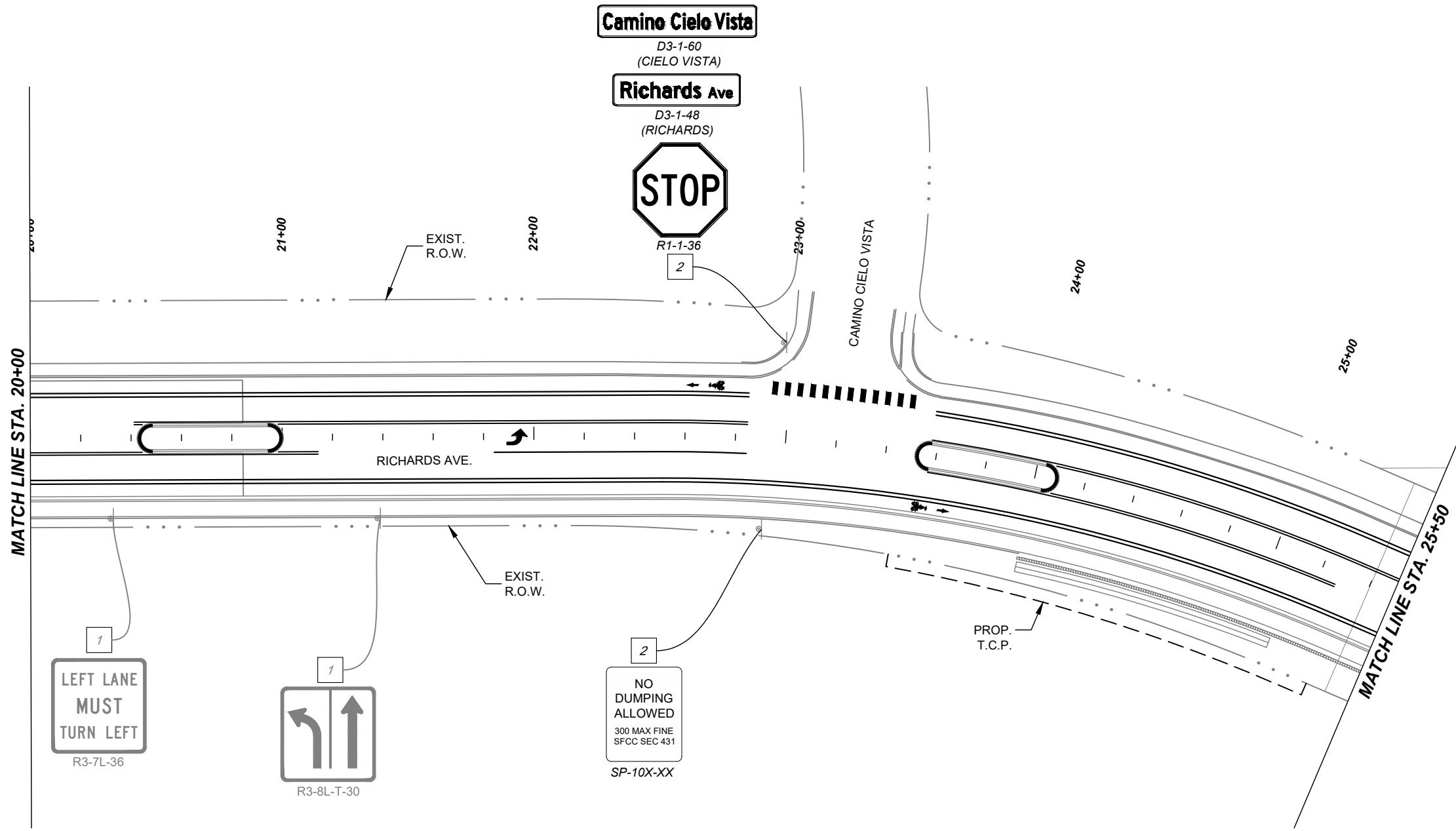
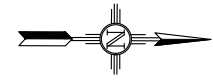
**SIGNING KEYED NOTES**

1. REMOVE AND DISPOSE EXISTING SIGN AND POST.
2. REMOVE AND DISPOSE EXISTING SIGN AND POST AND REPLACE WITH NEW SIGN AND POST.
3. INSTALL NEW SIGN AND POST.
4. EXISTING SIGN TO BE PROTECTED IN PLACE.
5. REMOVE AND RESET EXISTING SIGN AND POST.

30% DESIGN  
NOT FOR CONSTRUCTION

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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)



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**GENERAL NOTES**

- SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
- CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

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|--|---|--|
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 4"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 8"</b>                              | <b>HOT THERMOPLASTIC PAVEMENT MARKING</b>  |
| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                       |
| 2. BROKEN YELLOW (10FT STRIPE/30FT GAP)          | 8. SOLID YELLOW   | 14. RIGHT ARROW                            |
| 3. SOLID YELLOW                                  | <b>HOT THERMOPLASTIC PAVEMENT MARKING 18"</b>                             | 15. LEFT ARROW                             |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                             |
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 6"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 24"</b>                             | 17. SPEED HUMP                             |
| 5. SOLID WHITE                                   | 10. SOLID WHITE   | 18. LANE SYMBOL (BIKEWAY) (SEE SHEET 7-XX) |
| 6. DOTTED WHITE EXTENSION (2 FT STRIPE/4 FT GAP) | 11. SOLID GREEN (SEE SHEET 7-XX)  | 19. BIKE SYMBOL                            |
|  | <b>RETROREFLECTORIZED PAINTED MARKING 12"</b>                             | 20. WORD (ENDS)                            |
|  | 12. YELLOW MEDIAN NOSE (TWO APPLICATIONS HI-BUILD PAINT) (SEE SHEET 7-XX) |  |

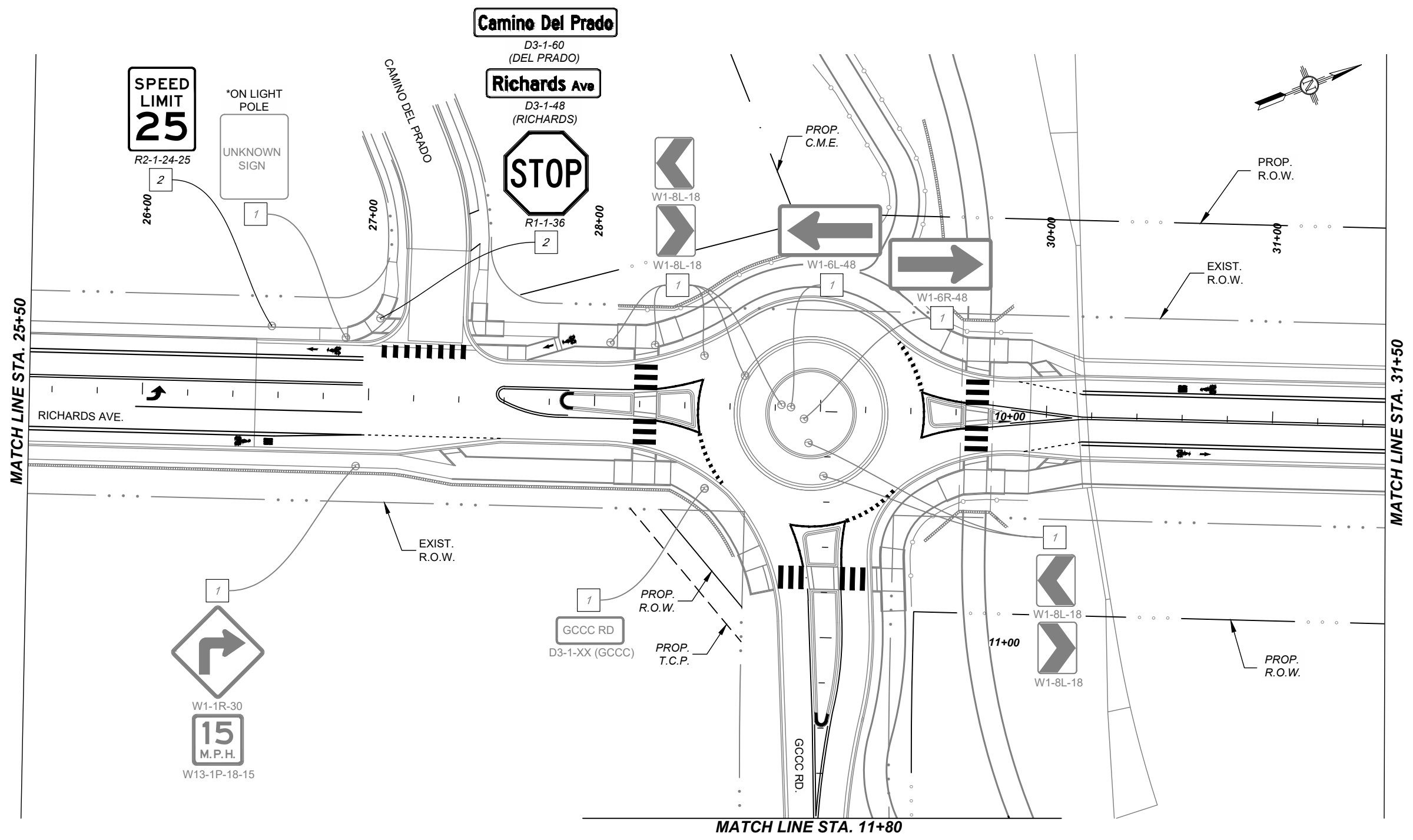
**SIGNING KEYED NOTES**

- REMOVE AND DISPOSE EXISTING SIGN AND POST.
- REMOVE AND DISPOSE EXISTING SIGN AND POST AND REPLACE WITH NEW SIGN AND POST.
- INSTALL NEW SIGN AND POST.
- EXISTING SIGN TO BE PROTECTED IN PLACE.
- REMOVE AND RESET EXISTING SIGN AND POST.

30% DESIGN  
NOT FOR CONSTRUCTION

ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)





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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)

30% DESIGN  
NOT FOR CONSTRUCTION

**GENERAL NOTES**

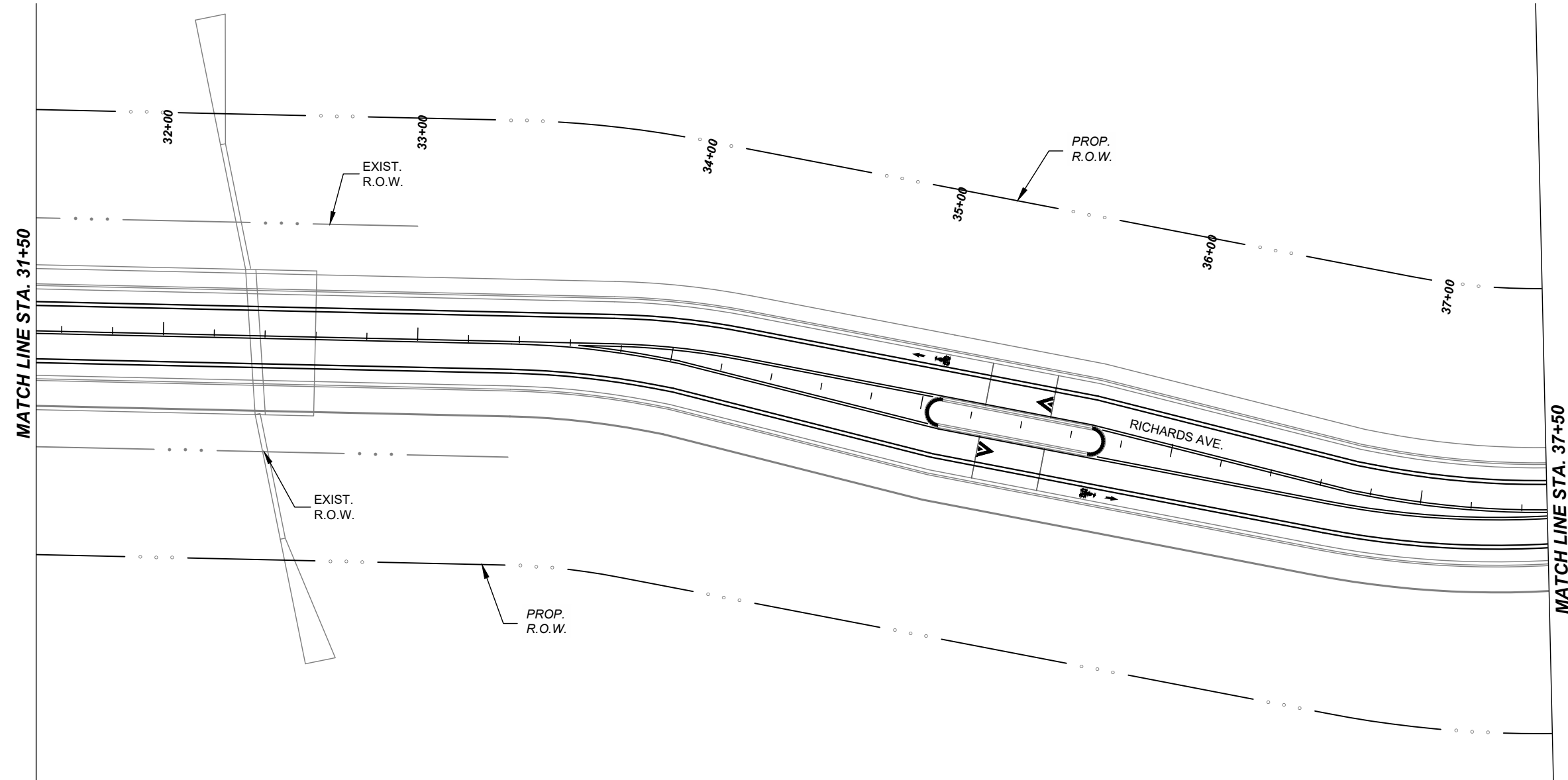
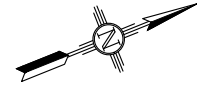
- SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
- CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

- |  |   |   |
|--|---|---|
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 4"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 8"</b>                              | <b>HOT THERMOPLASTIC PAVEMENT MARKING 18"</b> |
| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                          |
| 2. BROKEN YELLOW (10FT STRIPE/30FT GAP)          | 8. SOLID YELLOW   | 14. RIGHT ARROW                               |
| 3. SOLID YELLOW                                  | <b>HOT THERMOPLASTIC PAVEMENT MARKING 18"</b>                             | 15. LEFT ARROW                                |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                                |
| <b>HOT THERMOPLASTIC PAVEMENT MARKING 6"</b>     | <b>HOT THERMOPLASTIC PAVEMENT MARKING 24"</b>                             | 17. SPEED HUMP                                |
| 5. SOLID WHITE                                   | 10. SOLID WHITE   | 18. LANE SYMBOL (BIKEWAY) (SEE SHEET 7-XX)    |
| 6. DOTTED WHITE EXTENSION (2 FT STRIPE/4 FT GAP) | 11. SOLID GREEN (SEE SHEET 7-XX)  | 19. BIKE SYMBOL                               |
|  | <b>RETROREFLECTORIZED PAINTED MARKING 12"</b>                             | 20. WORD (ENDS)                               |
|  | 12. YELLOW MEDIAN NOSE (TWO APPLICATIONS HI-BUILD PAINT) (SEE SHEET 7-XX) |   |

**SIGNING KEYED NOTES**

- REMOVE AND DISPOSE EXISTING SIGN AND POST.
- REMOVE AND DISPOSE EXISTING SIGN AND POST AND REPLACE WITH NEW SIGN AND POST.
- INSTALL NEW SIGN AND POST.
- EXISTING SIGN TO BE PROTECTED IN PLACE.
- REMOVE AND RESET EXISTING SIGN AND POST.



**GENERAL NOTES**

1. SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
2. CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

- |  |   |   |
|--|---|---|
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| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                          |
| 2. BROKEN YELLOW (10FT STRIPE/30FT GAP)          | 8. SOLID YELLOW   | 14. RIGHT ARROW                               |
| 3. SOLID YELLOW                                  | <u>HOT THERMOPLASTIC PAVEMENT MARKING 18"</u>                             | 15. LEFT ARROW                                |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                                |
| <u>HOT THERMOPLASTIC PAVEMENT MARKING 6"</u>     | <u>HOT THERMOPLASTIC PAVEMENT MARKING 24"</u>                             | 17. SPEED HUMP                                |
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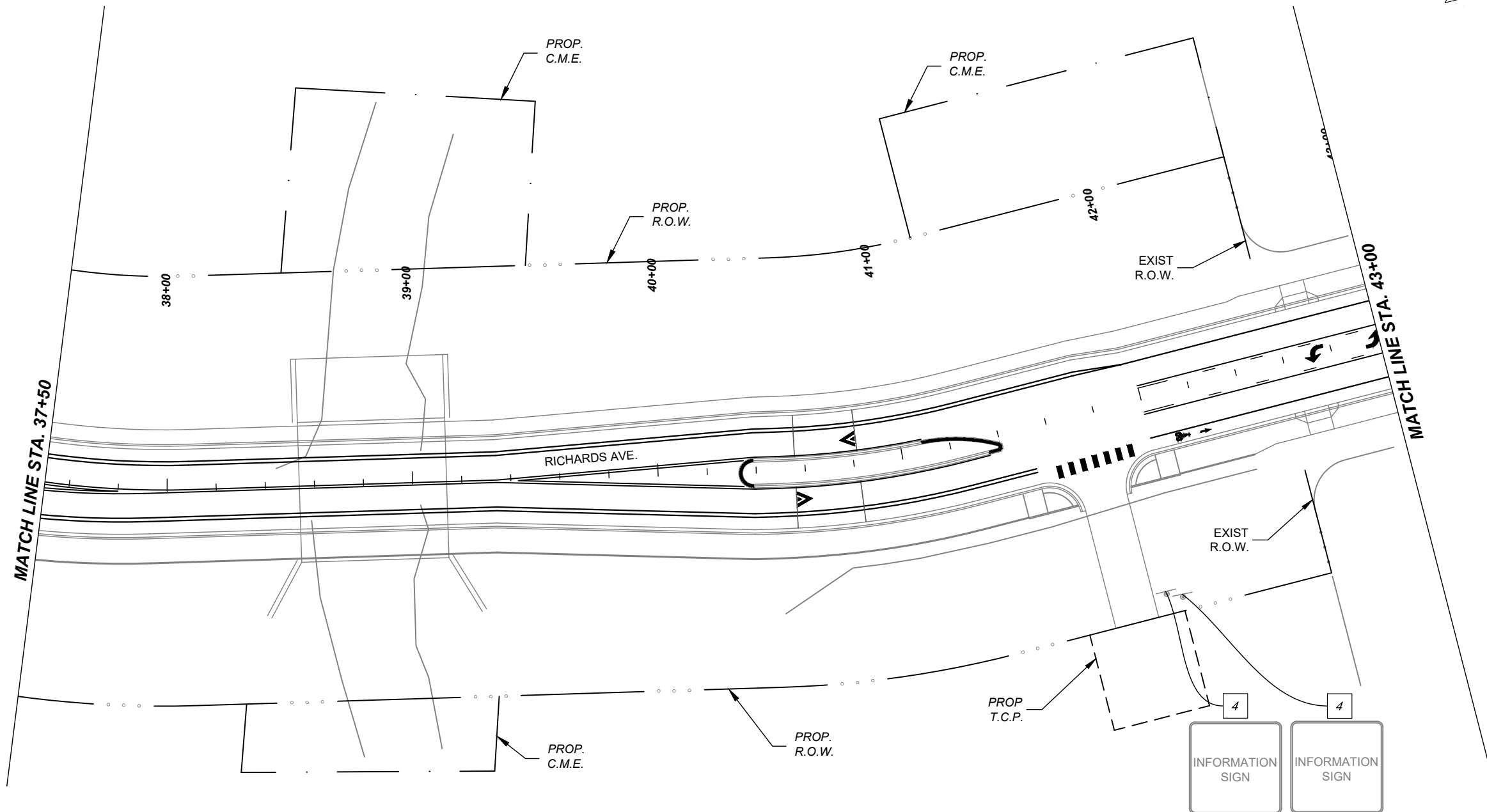
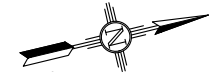
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)



**GENERAL NOTES**

1. SEE SHEET 7-1 FOR PERMANENT SIGNING AND STRIPING NOTES.
2. CROSSWALK STRIPING SHOWN IN THE PLANS IS SCHEMATIC. SEE SHEET 7-XX FOR CROSSWALK STRIPING DETAILS.

**STRIPING KEYED NOTES**

- |  |   |   |
|--|---|---|
| <u>HOT THERMOPLASTIC PAVEMENT MARKING 4"</u>     | <u>HOT THERMOPLASTIC PAVEMENT MARKING 8"</u>                              | <u>HOT THERMOPLASTIC PAVEMENT MARKING 18"</u> |
| 1. SOLID WHITE                                   | 7. SOLID WHITE  | 13. THRU/RIGHT ARROW                          |
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| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                                |
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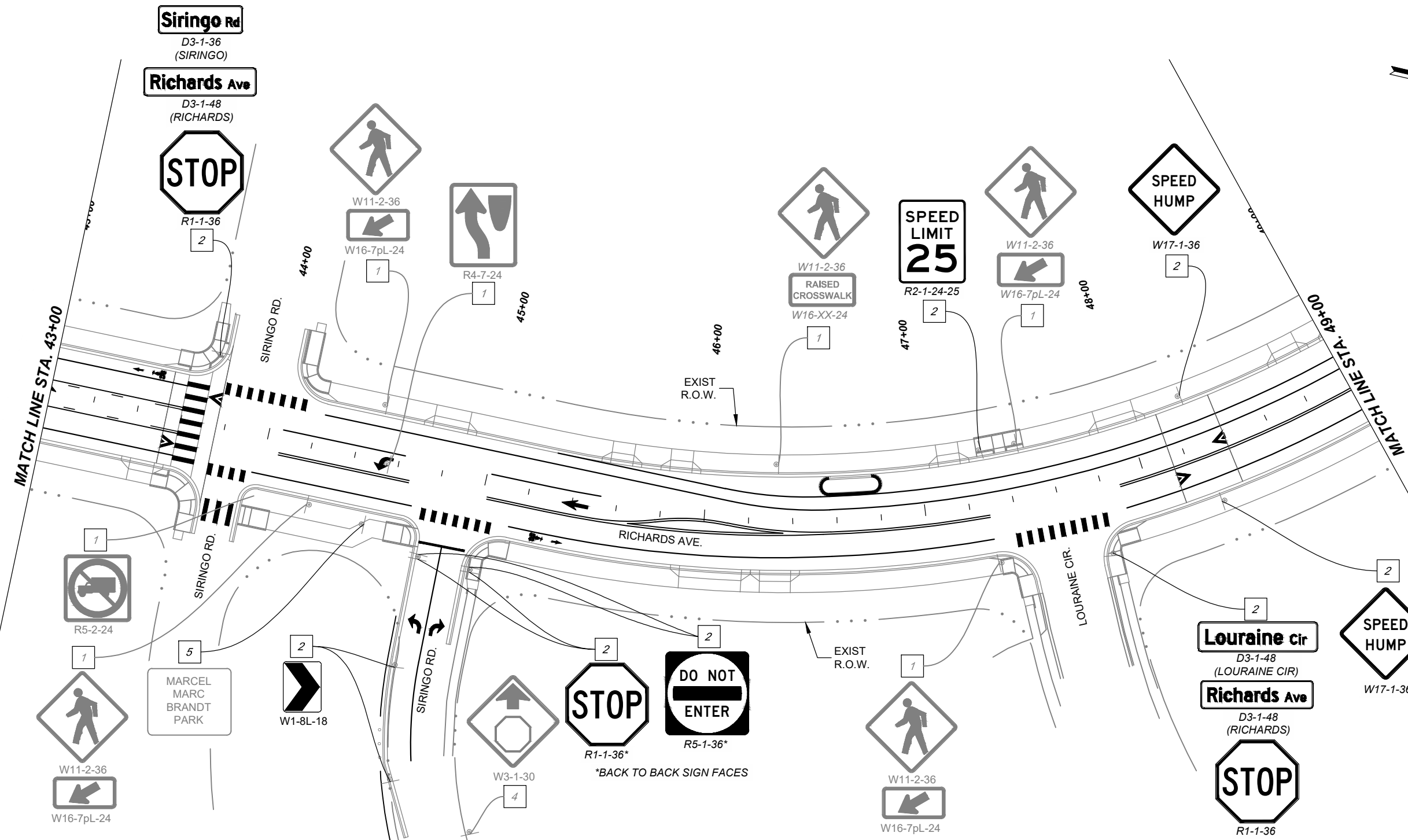
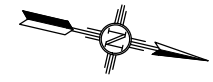
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)



**GENERAL NOTES**

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**STRIPING KEYED NOTES**

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| 3. SOLID YELLOW                                  | <b>HOT THERMOPLASTIC PAVEMENT MARKING 18"</b>                             | 15. LEFT ARROW                             |
| 4. DOUBLE SOLID YELLOW                           | 9. DOTTED WHITE (2FT STRIPE/2FT GAP)                                      | 16. THRU ARROW                             |
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**SIGNING KEYED NOTES**

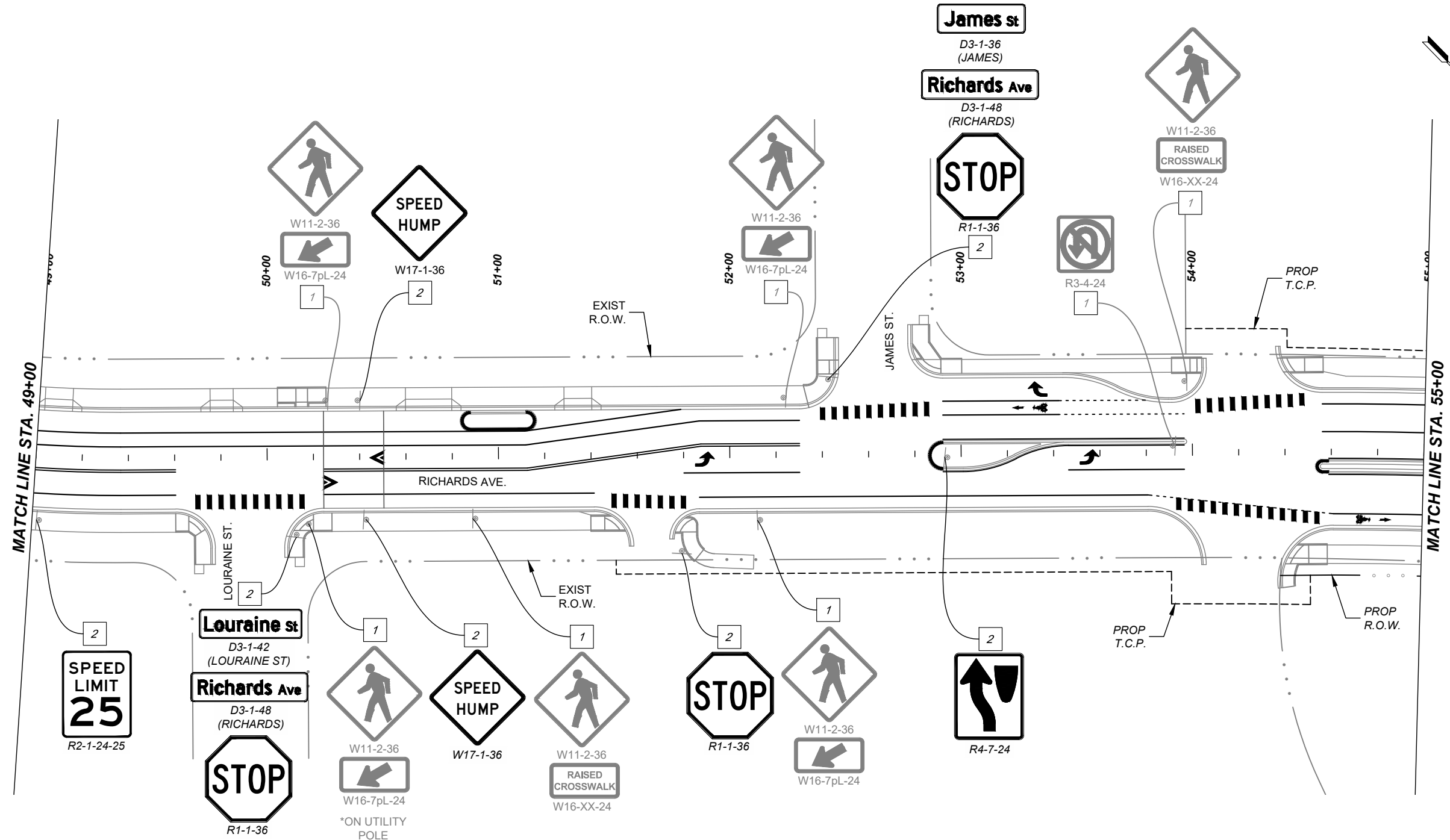
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)





**GENERAL NOTES**

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- |  |   |  |
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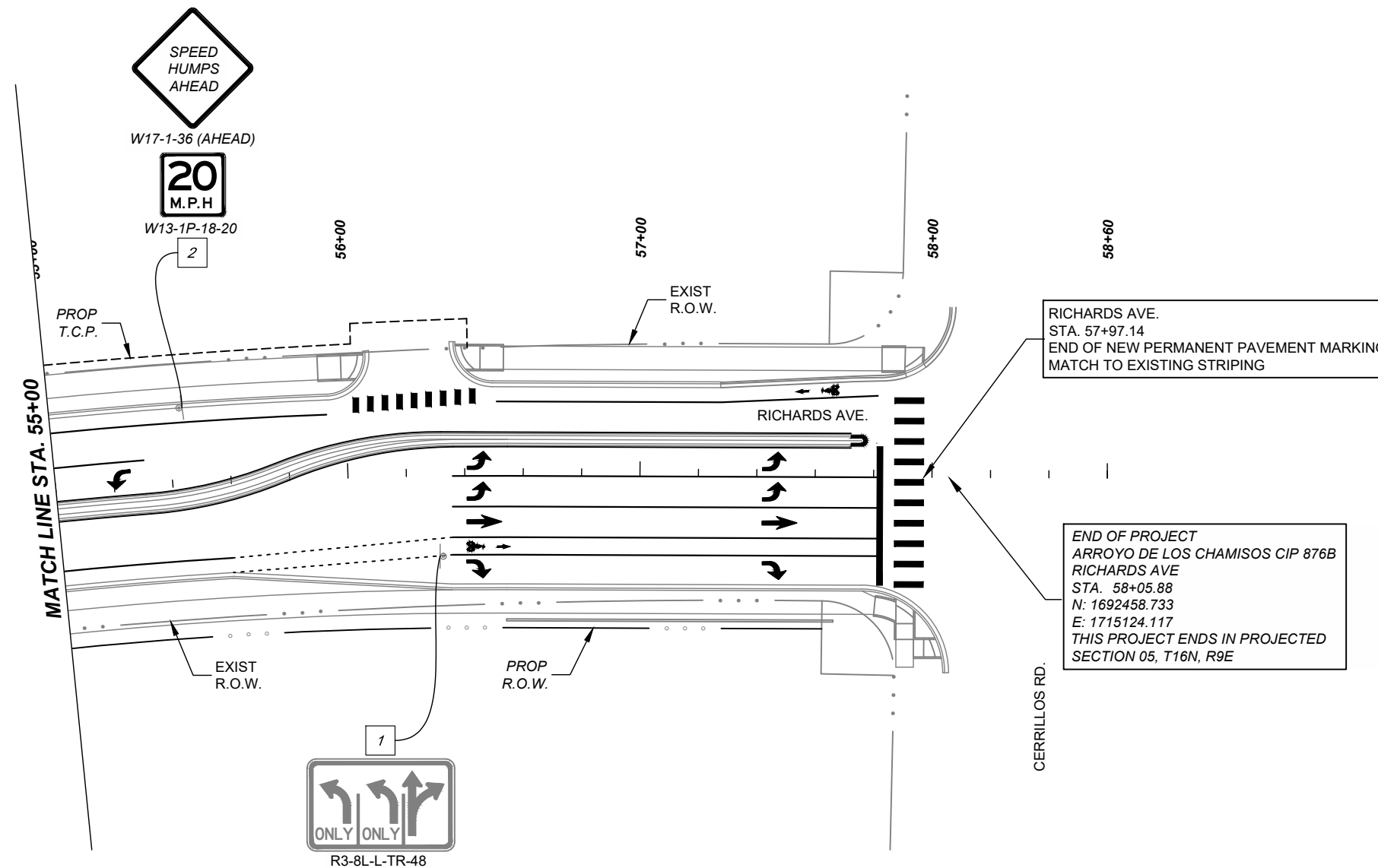
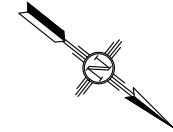
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)





**GENERAL NOTES**

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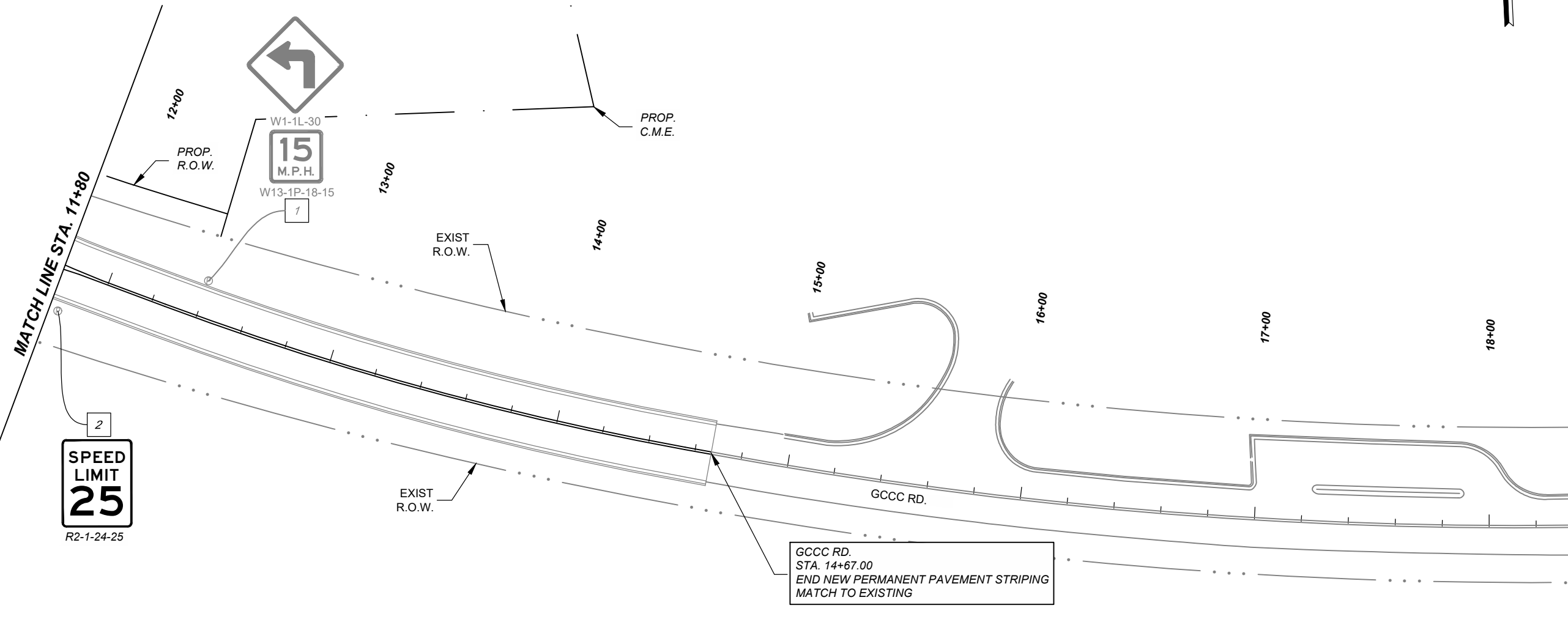
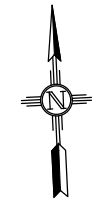
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (RICHARDS AVE.)



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**GENERAL NOTES**

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**STRIPING KEYED NOTES**

- |  |   |  |
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**SIGNING KEYED NOTES**

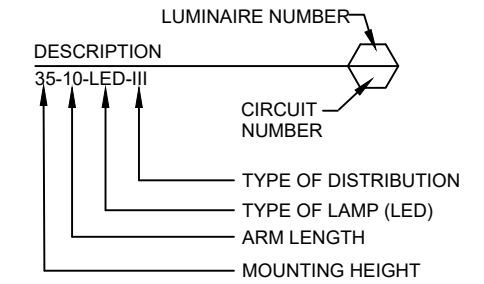
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ARROYO DE LOS CHAMISOS CROSSING  
SIGNING AND STRIPING PLAN (GCCC RD.)

**LIGHTING NOTES:**

1. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK TO ENSURE THAT ALL EQUIPMENT ONCE PLACED WILL NOT VIOLATE ADA REQUIREMENTS. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
2. ROADWAY LIGHTING ON THIS PROJECT SHALL CONSIST OF 120/240 VOLTS SINGLE PHASE FOR CONVENTIONAL ROADWAY LIGHTING .
3. EACH CIRCUIT FOR ROADWAY LIGHTING SHALL BE INSTALLED IN SEPARATE CONDUITS UNLESS APPROVED OTHERWISE.
4. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF SANTA FE.
5. ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE V POLES THAT MATCH THE EXISTING LIGHTING POLES ALONG RODEO ROAD. THESE POLES SHOULD ALSO MATCH NMDOT STANDARDS AND BE INCLUDED ON THE MOST RECENT NMDOT APPROVED PRODUCTS LISTING.
7. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. PNM WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
8. BORING SHALL BE THE ONLY APPROVED MEANS OF INSTALLATION OF CONDUIT UNDER RODEO ROAD.
9. CONTRACTOR TO COORDINATE WITH PNM FOR POWER SERVICE INSTALLATION AND CONNECTION FOR LIGHTING SYSTEM.
10. LUMINAIRES THAT WILL BE USED FOR THIS PROJECT SHALL BE AUTOBAHN SERIES ROADWAY LIGHTING FROM AMERICAN ELECTRIC LIGHTING MODEL ATBO P303 MVOLT R3 3K MP XL P7 TYPE III DISTRIBUTION, FULL CUTOFF FLAT GLASS LUMINAIRES TO CONFORM TO THE NEW MEXICO NIGHT SKY PROTECTION ACT.
11. THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER, CITY OF SANTA FE TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINARIES HEADS.
12. ROADWAY LIGHTING IS TO BE SERVED BY LIGHTING DIAGRAM L2M, 2 CIRCUIT, METERED AS SHOWN ON NMDOT STD DWG 706L-07-1/2. ALL PRODUCTS SHALL MEET BUY AMERICA, BUILD AMERICA REQUIREMENTS.
13. LUMINAIRES TO BE USED WITH THIS PROJECT INCLUDE THE FOLLOWING:
  - 13.1. ROADWAY LIGHTING - AUTOBAHN LED COBRA HEAD ATBM, 168W, TYPE 2, 3000K, 18,770 LUMENS, B2-U0-G3. ORDERING INFORMATION IS ATBM-PP50-MVOLT-R2
  - 13.2. UNDERPASS LIGHTING - VALET LED TUNNEL LIGHTING 25 WATT, 3,108 LUMENS, 3000K. ORDERING INFORMATION IS VAL-E01-LED-E-U-CQ-7030
  - 13.3. BOLLARD LIGHTING - HOLOPHANE PLYMOUTH LED CAST ALUMINUM BOLLARD WITH 25 WATT P30 PERFORMANCE PACKAGE, 2,420 LUMENS, 3000K, WITH INTERNAL REFRACTOR TYPE 5. ORDERING INFORMATION IS PRBOLED-CA-P30-30K-MVOLT-GL5-AWS-BK



NEW	ITEM
	NEW LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
	CONDUIT RUN
	PULL BOX
	SERVICE POLE WITH SERVICE RISER
	LIGHTING CONTROL CABINET

**LIGHTING QUANTITIES**

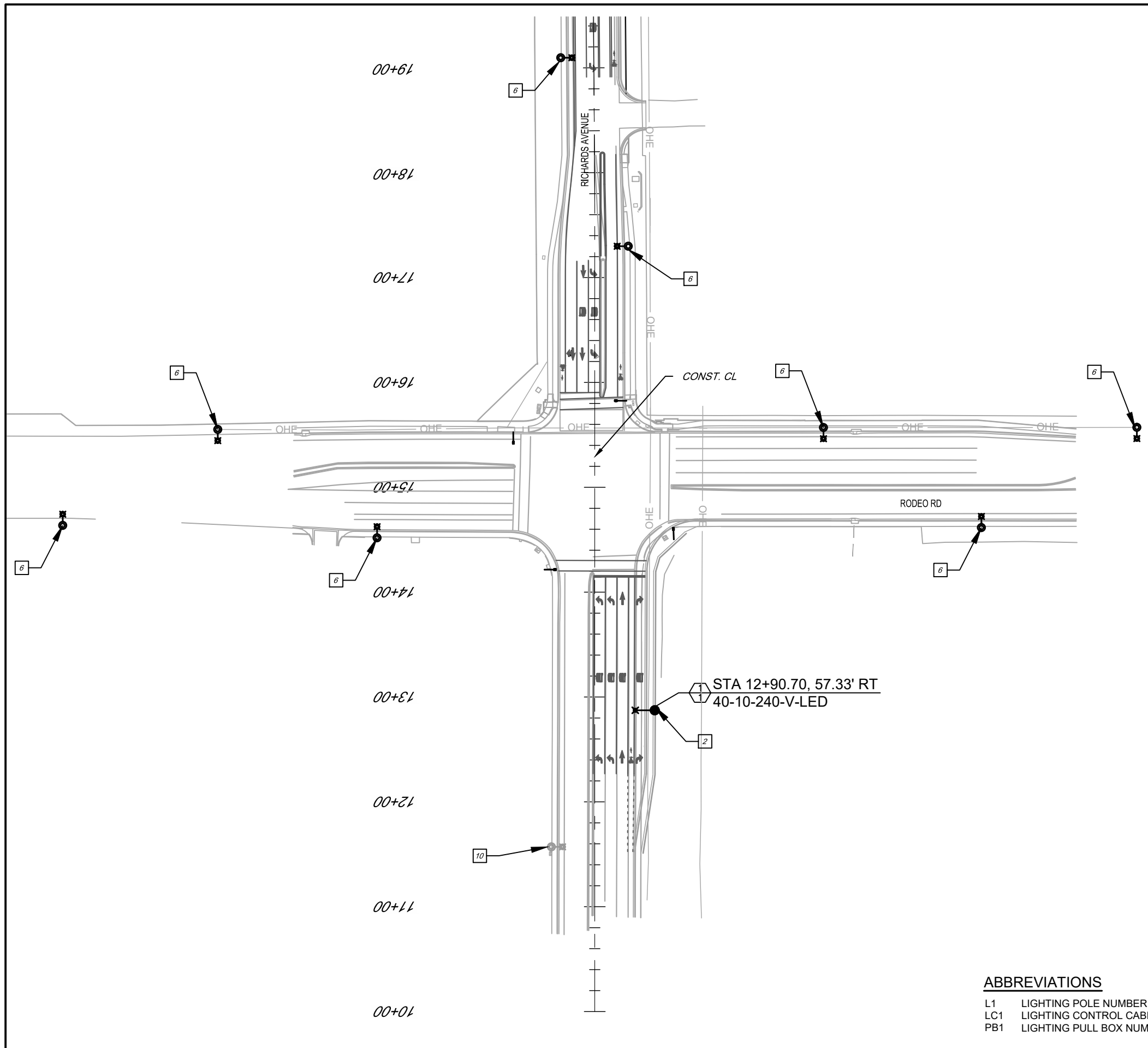
ITEM NO.	DESCRIPTION	UNITS	QUANTITY	USE
502030	DRILLED SHAFT FOUNDATION 30" DIAMETER	L.F.	72	72
511000	STRUCTURAL CONCRETE, CLASS A	C.Y.	2	2
540060	REINFORCING BARS GRADE 60	LB	1836	1836
667XXX	BOLLARD (LIGHTING), 4' HEIGHT	EACH	10	10
706405	LIGHTING CONTROL CABINET-TWO CIRCUIT	EACH	2	2
707810	REMOVE & RESET LIGHTING STANDARD AND LUMINAIRE	EACH	3	3
707540	TYPE V STANDARD, 40 FT	EACH	9	9
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	L.F.	3250	3250
709030	RIGID ELECTRICAL CONDUIT 3" (DIA.)	L.F.	470	470
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	7	7
711102	SINGLE CONDUCTOR 2	L.F.	6500	6500
711210	SINGLE CONDUCTOR 1/0	L.F.	470	470
716701	LED ROADWAY LUMINAIRE	EACH	4	4
716704	LED UNDERPASS LUMINAIRES	EACH	2	2



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ARROYO DE LOS CHAMISOS CROSSING LIGHTING NOTES

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**KEYED NOTES**

- 1 INSTALL NEW 2" RIGID ELECTRICAL CONDUIT WITH 2-#2 AWG CONDUCTORS
- 2 INSTALL NEW TYPE V, 40 FT SINGLE ARM POLE, LUMINAIRE AND NMDOT DRILLED SHAFT FOUNDATION
- 3 INSTALL NEW PULL BOX (STANDARD SIZE)
- 4 INSTALL NEW 240V LIGHTING CONTROL CABINET (2 CIRCUIT, METERED)
- 5 INSTALL 5' STUB-OUT WITH CAP
- 6 PROTECT IN PLACE EXISTING LIGHTING POLE AND FOUNDATION, ADD NEW LED LUMINAIRE
- 7 INTERCEPT EXISTING CONDUIT REMOVE AND RESET EXISTING LIGHTING POLE ONTO NEW NMDOT DRILLED SHAFT FOUNDATION. MATCH EXISTING BOLT PATTERN WITH NEW FOUNDATION AND INSTALL NEW LED LUMINAIRE
- 8 EXISTING LUMINAIRE ON UTILITY POLE TO BE REMOVED AND RESET WITH UTILITY POLE
- 9 EXISTING STREET LIGHT TO REMAIN, PROTECT IN PLACE.
- 10 INSTALL UNDERPASS LIGHTING FIXTURE, SPACED AT 48' MOUNTED TO CEILING OF ARCH PIPE AND CENTERED FROM WALLS AND OPENINGS. MOUNTS TO CEILING ARE TO BE PER MANUFACTURERS RECOMMENDATION
- 11 INSTALL HOLOPHANE PLYMOUTH LED SERIES CASE ALUMINUM BOLLARD WITH LUMINAIRE. BOLLARDS TO BE INSTALLED WITH DIRECT BURIAL BASE AS PER MANUFACTURERS RECOMMENDATIONS

**ABBREVIATIONS**

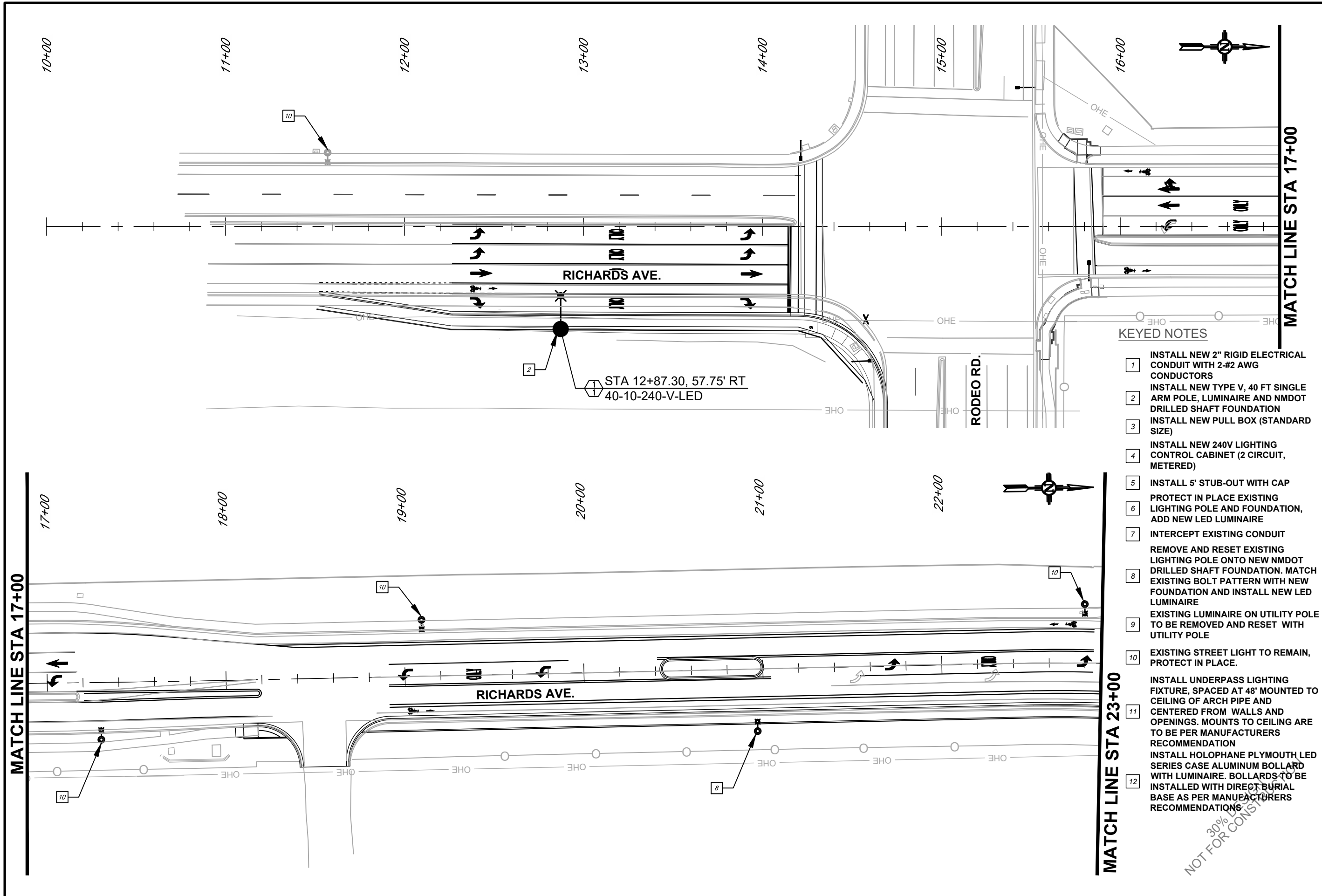
- L1 LIGHTING POLE NUMBER
- LC1 LIGHTING CONTROL CABINET NUMBER
- PB1 LIGHTING PULL BOX NUMBER

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ARROYO DE LOS CHAMISOS CROSSING  
RODEO AND RICHARDS LIGHTING LAYOUT



**KEYED NOTES**

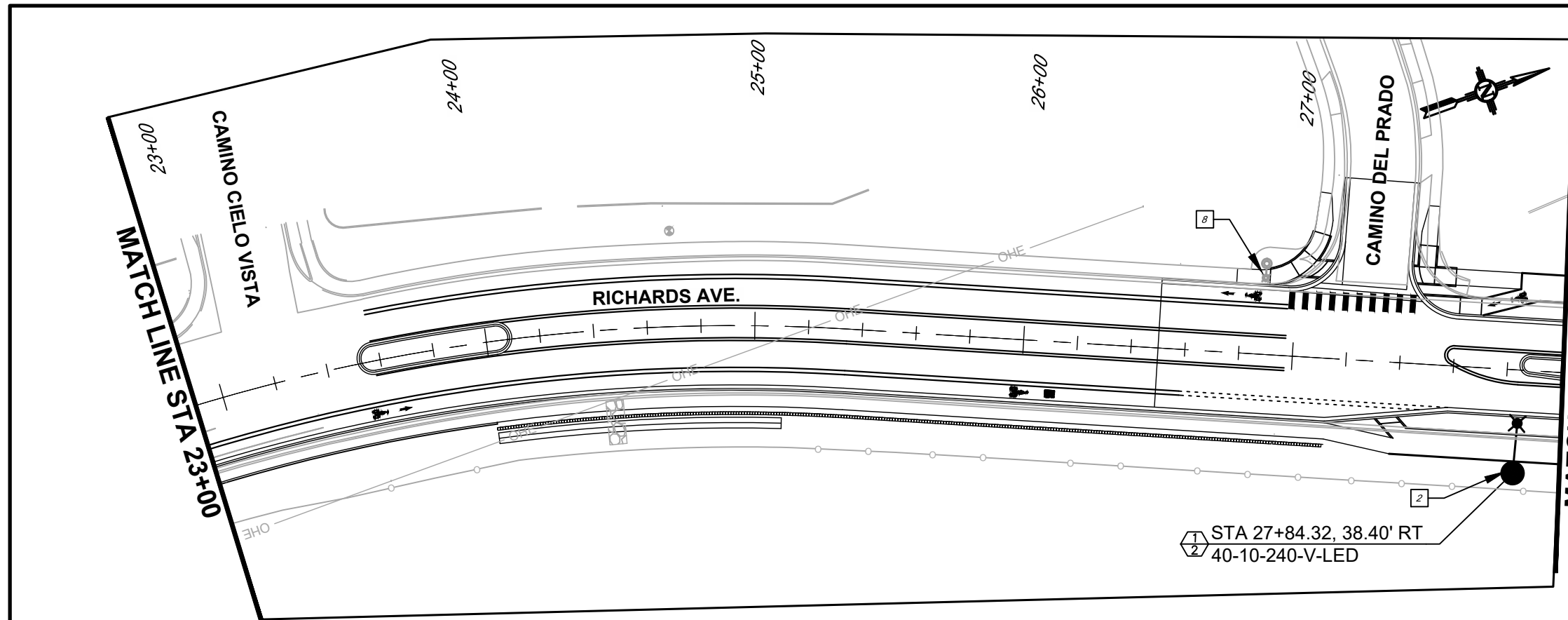
- 1 INSTALL NEW 2" RIGID ELECTRICAL CONDUIT WITH 2-#2 AWG CONDUCTORS
- 2 INSTALL NEW TYPE V, 40 FT SINGLE ARM POLE, LUMINAIRE AND NMDOT DRILLED SHAFT FOUNDATION
- 3 INSTALL NEW PULL BOX (STANDARD SIZE)
- 4 INSTALL NEW 240V LIGHTING CONTROL CABINET (2 CIRCUIT, METERED)
- 5 INSTALL 5' STUB-OUT WITH CAP
- 6 PROTECT IN PLACE EXISTING LIGHTING POLE AND FOUNDATION, ADD NEW LED LUMINAIRE
- 7 INTERCEPT EXISTING CONDUIT
- 8 REMOVE AND RESET EXISTING LIGHTING POLE ONTO NEW NMDOT DRILLED SHAFT FOUNDATION. MATCH EXISTING BOLT PATTERN WITH NEW FOUNDATION AND INSTALL NEW LED LUMINAIRE
- 9 EXISTING LUMINAIRE ON UTILITY POLE TO BE REMOVED AND RESET WITH UTILITY POLE
- 10 EXISTING STREET LIGHT TO REMAIN, PROTECT IN PLACE.
- 11 INSTALL UNDERPASS LIGHTING FIXTURE, SPACED AT 48' MOUNTED TO CEILING OF ARCH PIPE AND CENTERED FROM WALLS AND OPENINGS. MOUNTS TO CEILING ARE TO BE PER MANUFACTURERS RECOMMENDATION
- 12 INSTALL HOLOPHANE PLYMOUTH LED SERIES CASE ALUMINUM BOLLARD WITH LUMINAIRE. BOLLARDS TO BE INSTALLED WITH DIRECT BURIAL BASE AS PER MANUFACTURERS RECOMMENDATIONS



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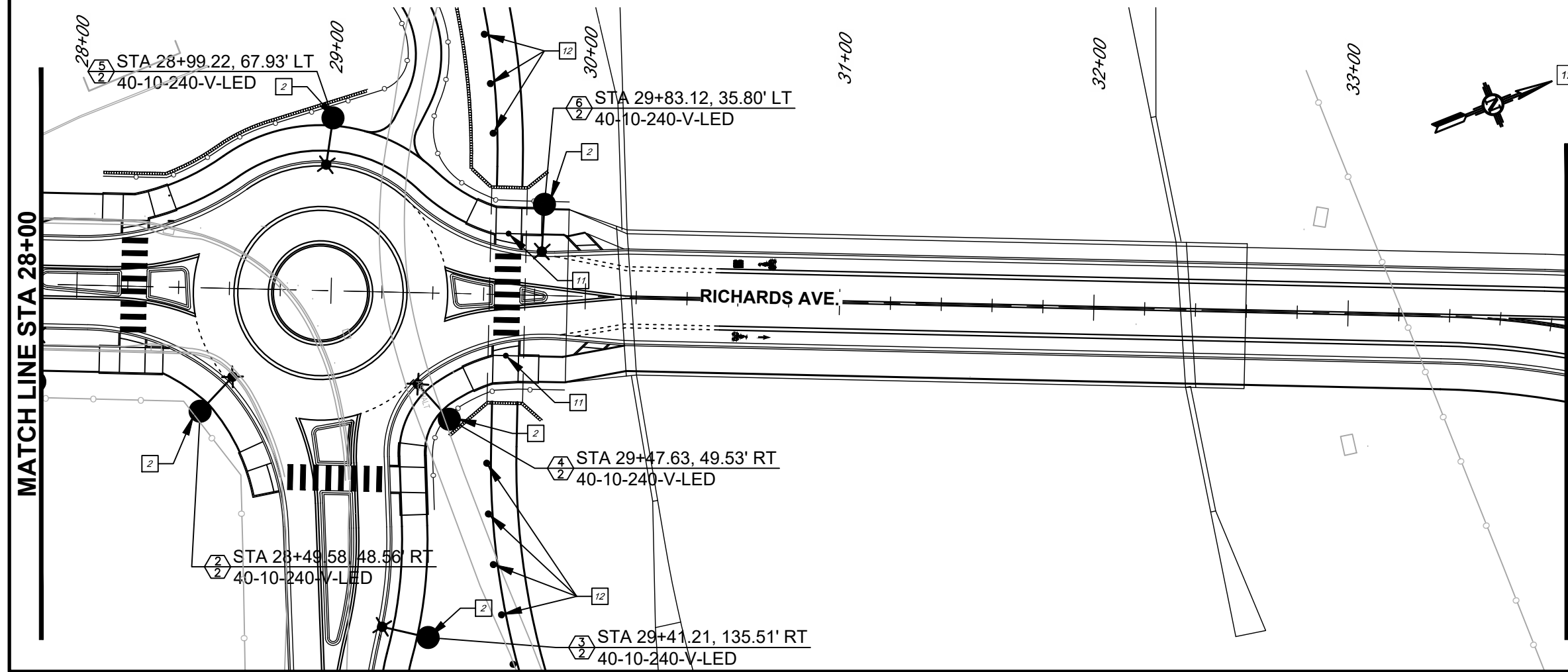
ARROYO DE LOS CHAMISOS CROSSING  
LIGHTING PLANS  
STA 10+00.00 TO STA 23+00.00





KEYED NOTES

- 1 INSTALL NEW 2" RIGID ELECTRICAL CONDUIT WITH 2-#2 AWG CONDUCTORS
- 2 INSTALL NEW TYPE V, 40 FT SINGLE ARM POLE, LUMINAIRE AND NMDOT DRILLED SHAFT FOUNDATION
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- 12

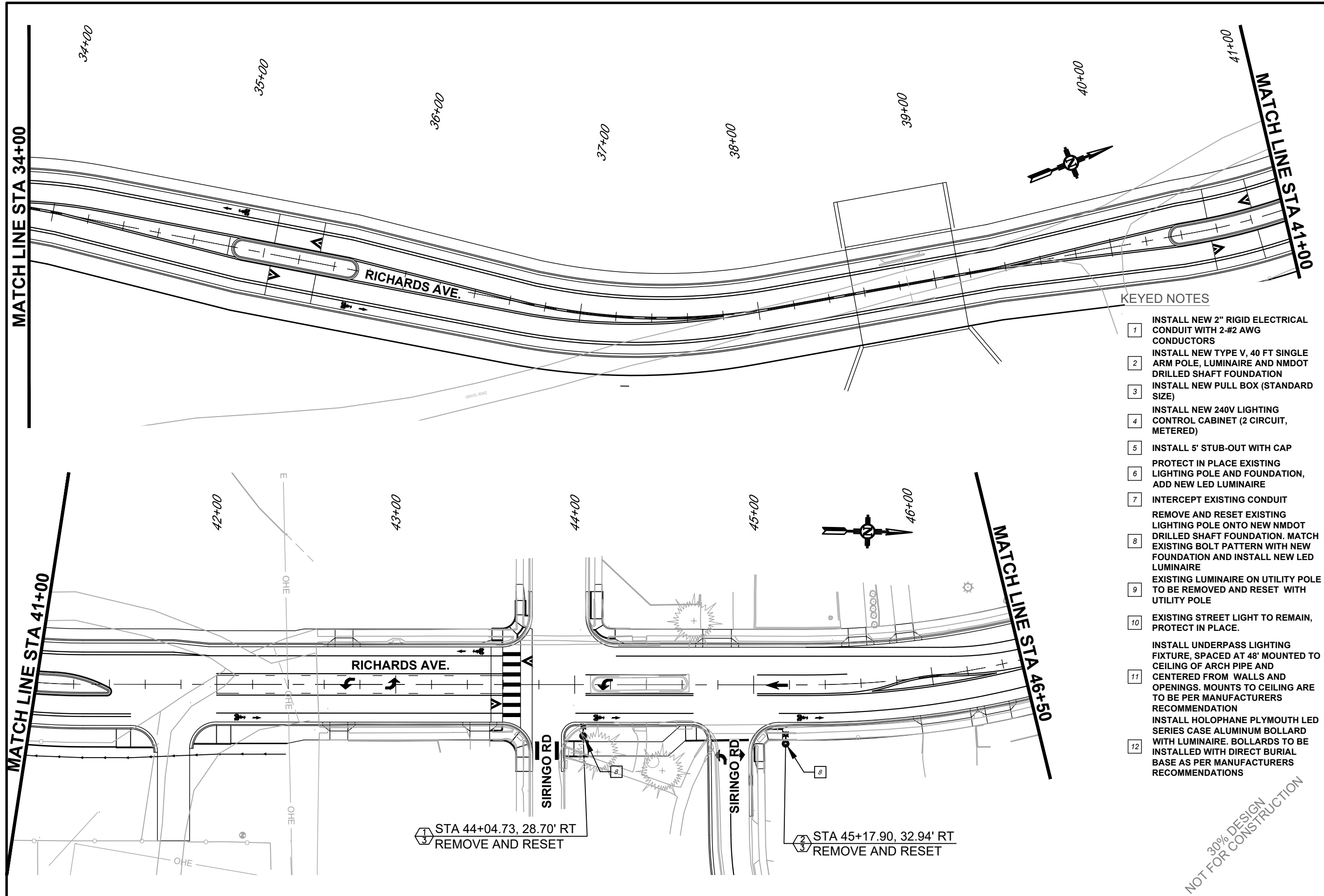


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ARROYO DE LOS CHAMISOS CROSSING  
LIGHTING PLANS  
STA 23+00.00 TO STA 34+00.00



**KEYED NOTES**

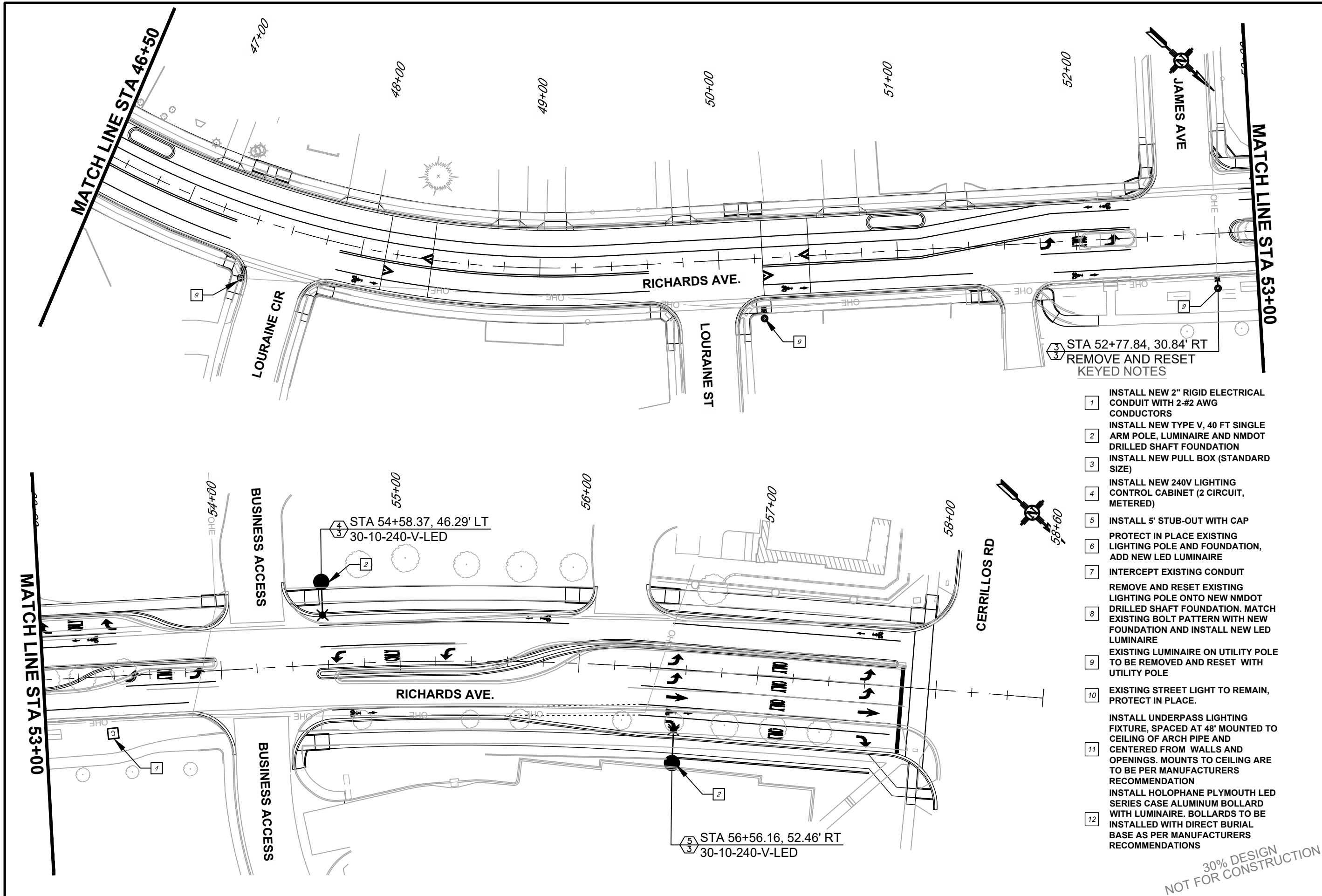
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ARROYO DE LOS CHAMISOS CROSSING LIGHTING PLANS  
STA 34+00.00 TO STA 47+00.00

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3  
3  
STA 52+77.84, 30.84' RT  
REMOVE AND RESET  
KEYED NOTES

4  
3  
STA 54+58.37, 46.29' LT  
30-10-240-V-LED

5  
3  
STA 56+56.16, 52.46' RT  
30-10-240-V-LED

- KEYED NOTES**
- 1 INSTALL NEW 2" RIGID ELECTRICAL CONDUIT WITH 2-#2 AWG CONDUCTORS
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ARROYO DE LOS CHAMISOS CROSSING  
LIGHTING PLANS  
STA 47+00.00 TO STA 58+50.00

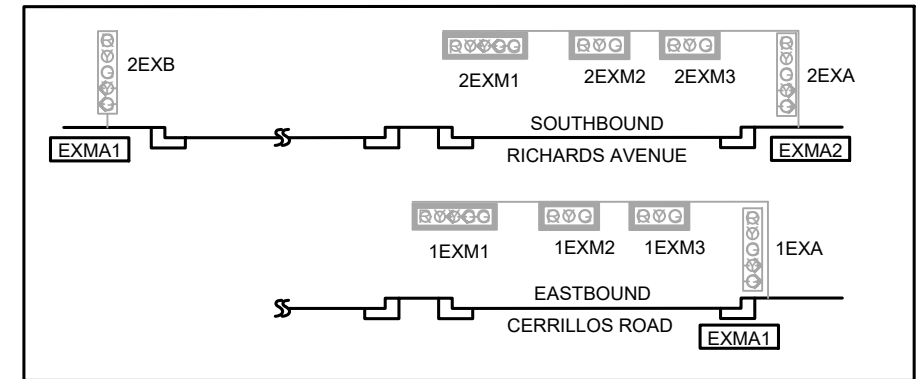








TRAFFIC SIGNAL CONFIGURATION BY APPROACH



NOTES:

1. ALL SIGNAL PULL BOXES ARE LARGE SIZE.
2. ALL LIGHTING PULL BOXES ARE STANDARD SIZE.

TYPICAL SIGNAL FACE LENS ARRANGEMENTS



SYMBOL KEY

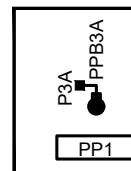
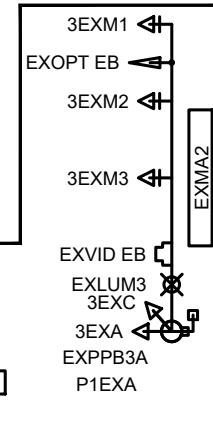
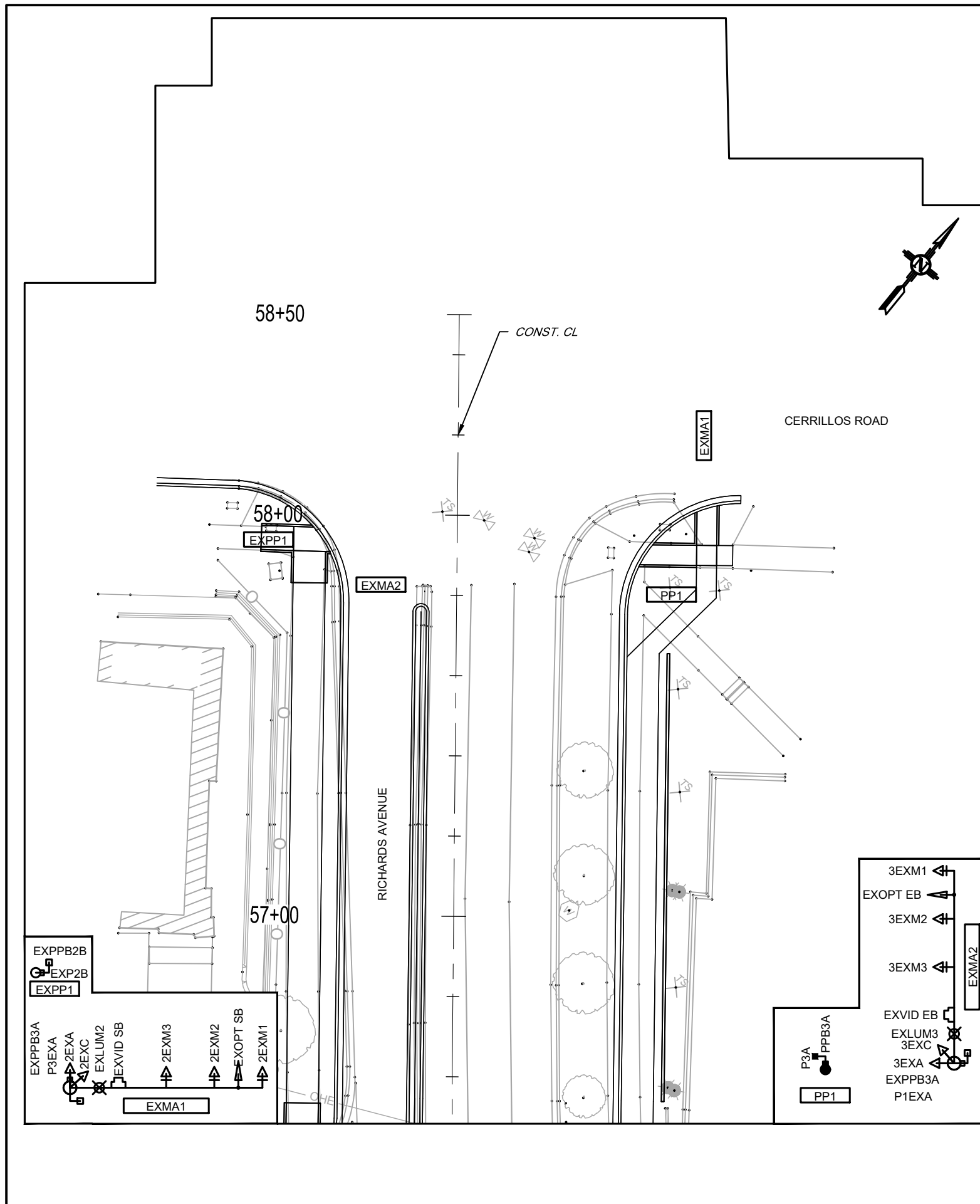
- MAX SIGNAL & CABINET ID
- X CONDUIT RUN ID (SIGNALS)
- SA CONDUIT RUN ID (POWER SERVICE)

ABBREVIATIONS

- MA1 MASTARM NUMBER
- PP1 PEDESTAL POLE NUMBER
- PPB1 PEDESTRIAN PUSH BUTTON NUMBER
- CC1 CONTROL CABINET NUMBER
- SC1 SPLICE CABINET NUMBER
- PB1 PULL BOX NUMBER (SIGNALS)
- PBS1 PULL BOX NUMBER (POWER)
- 3A SIGNAL HEAD NUMBER
- P1 PEDESTRIAN HEAD NUMBER
- MH1 TRAFFIC MANHOLE NUMBER

FLASH CONDITION

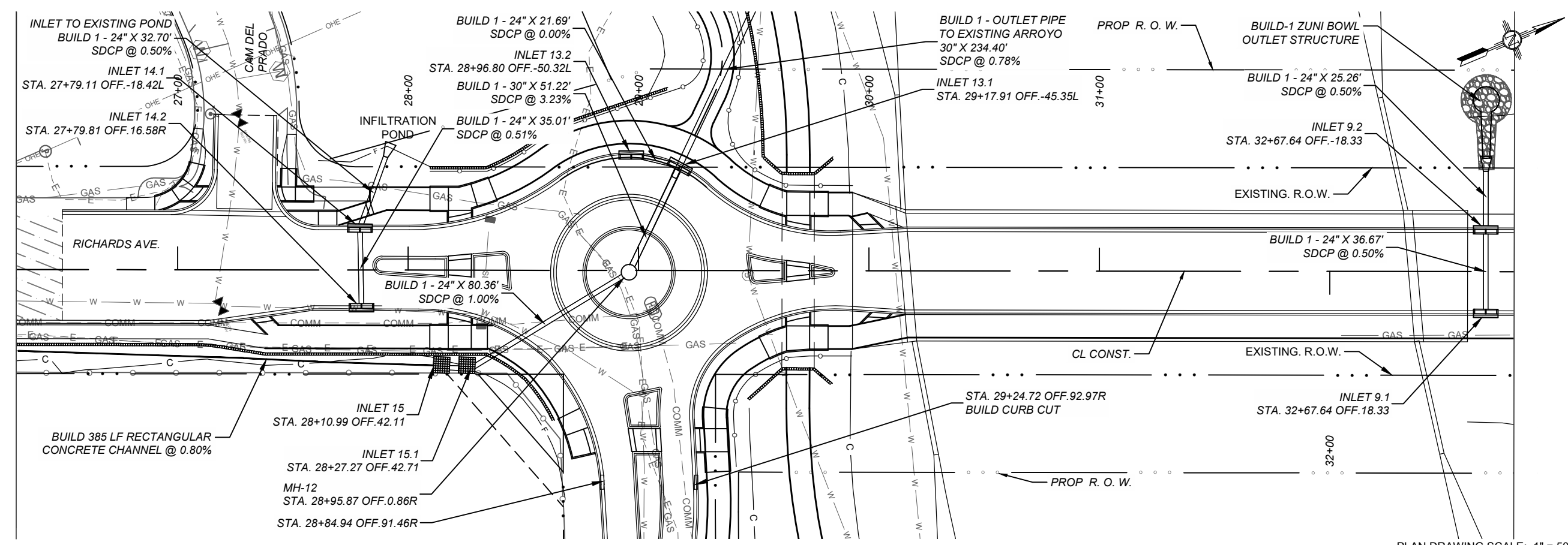
- RED BALL 1A,1B,1C,1M1,1M2  
3A,3B,3M1,3M2
- RED BALL 2A,2B,2C,2M1,2M2  
4A,4B,4M1,4M2



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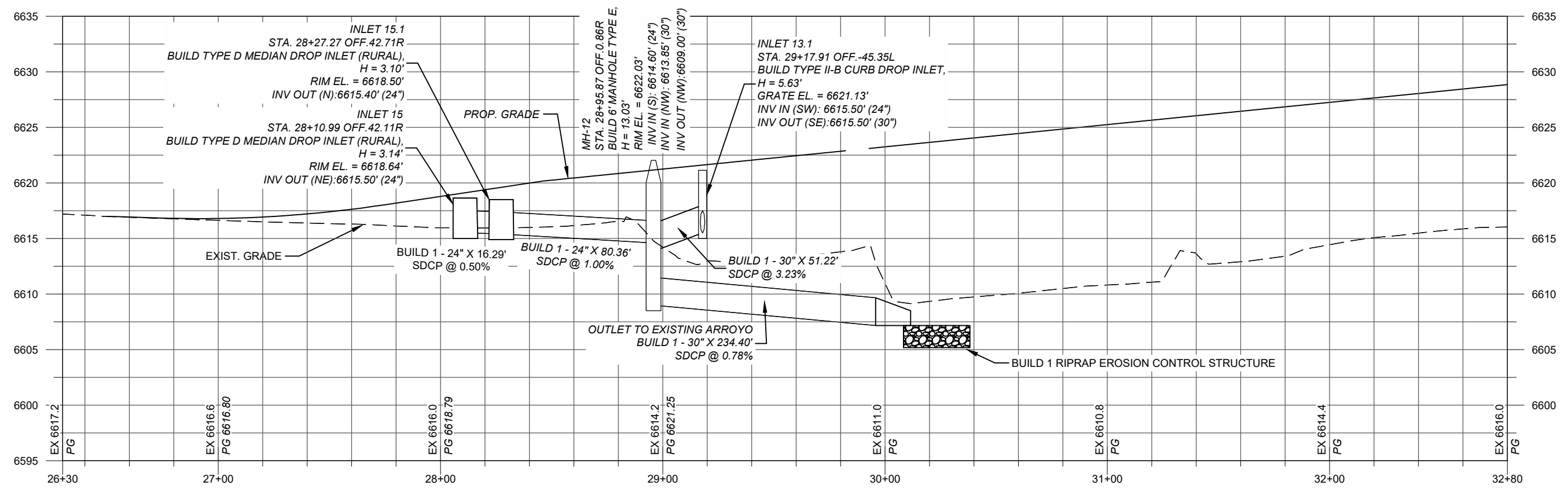
ARROYO DE LOS CHAMISOS CROSSING  
TRAFFIC SIGNAL PLAN  
CERRILLOS ROAD AND RICHARDS AVENUE

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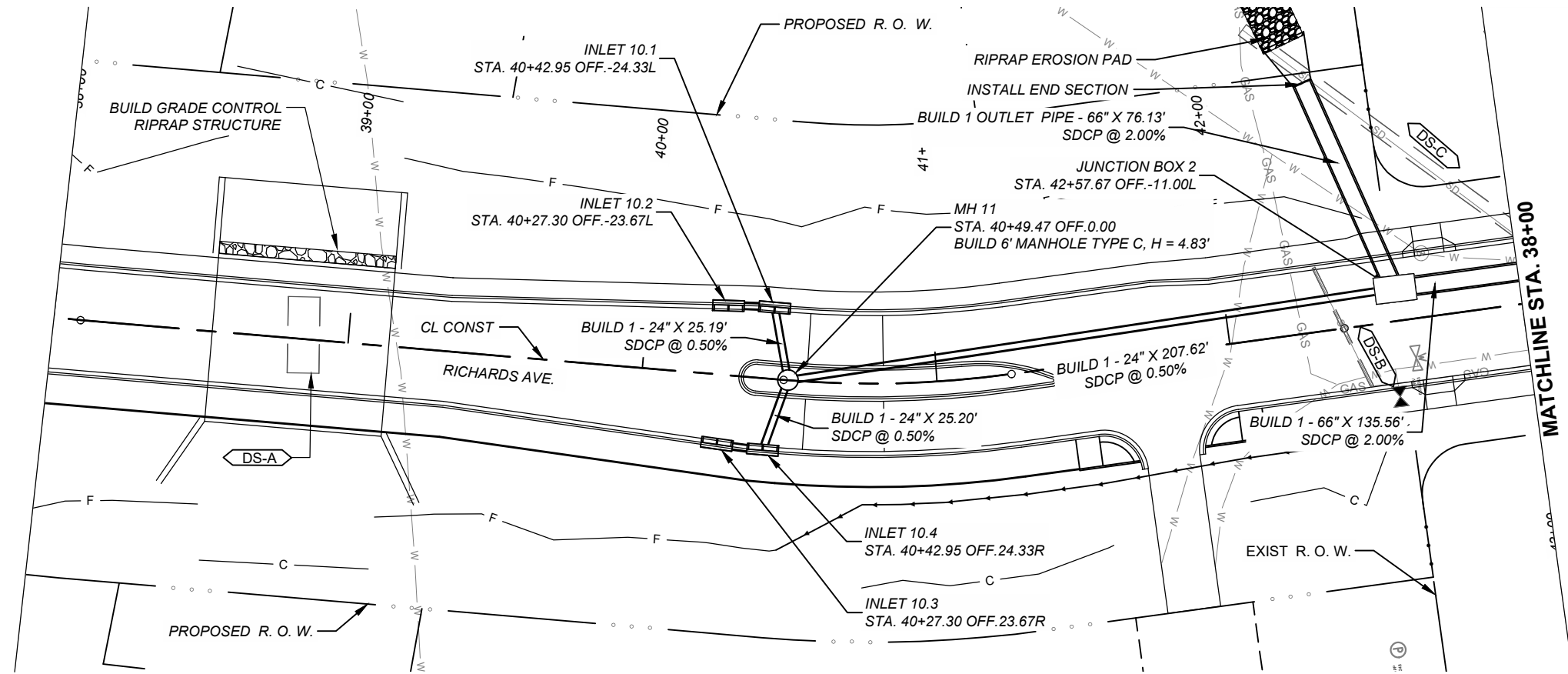
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HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



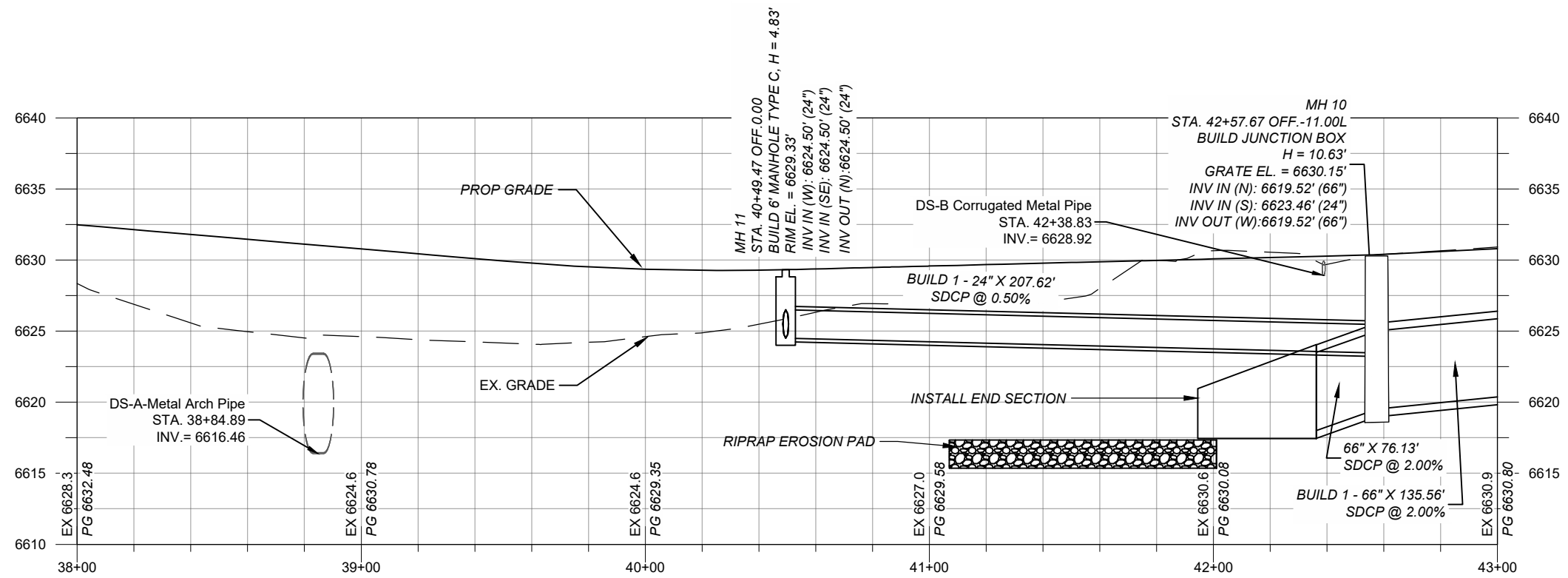
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ARROYO DE LOS CHAMISOS CROSSING  
DRAINAGE PLAN AND PROFILE



PLAN DRAWING SCALE: 1" = 50'

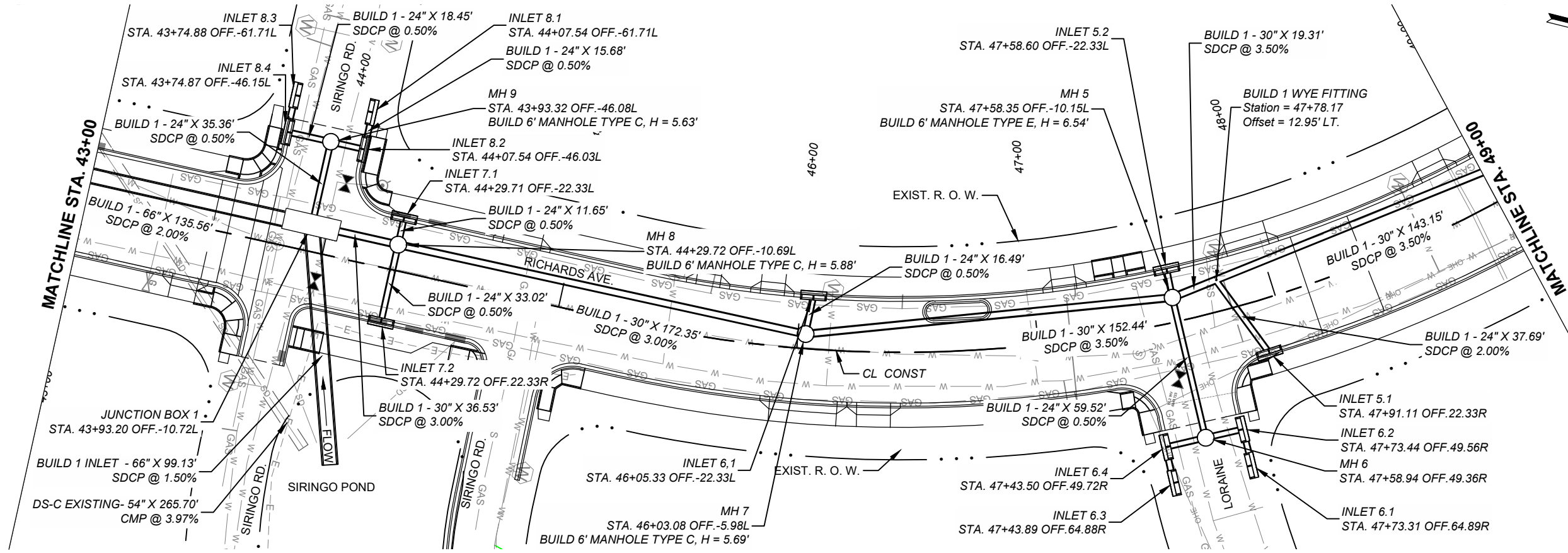
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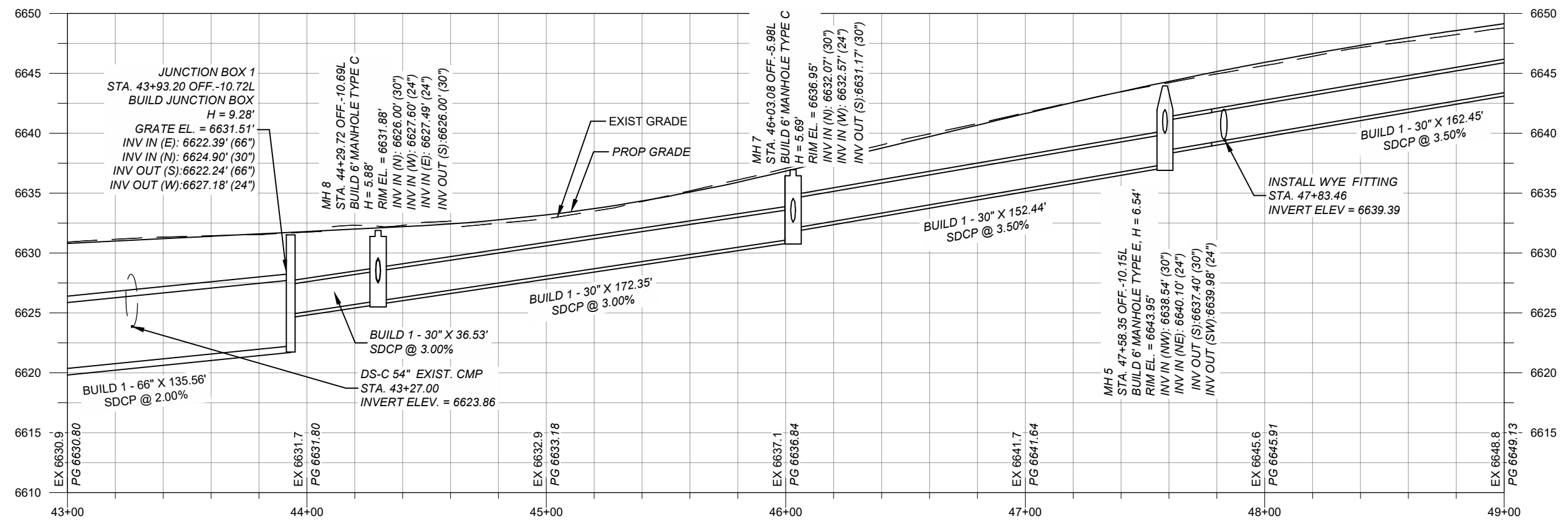
ARROYO DE LOS CHAMISOS CROSSING  
DRAINAGE PLAN AND PROFILE





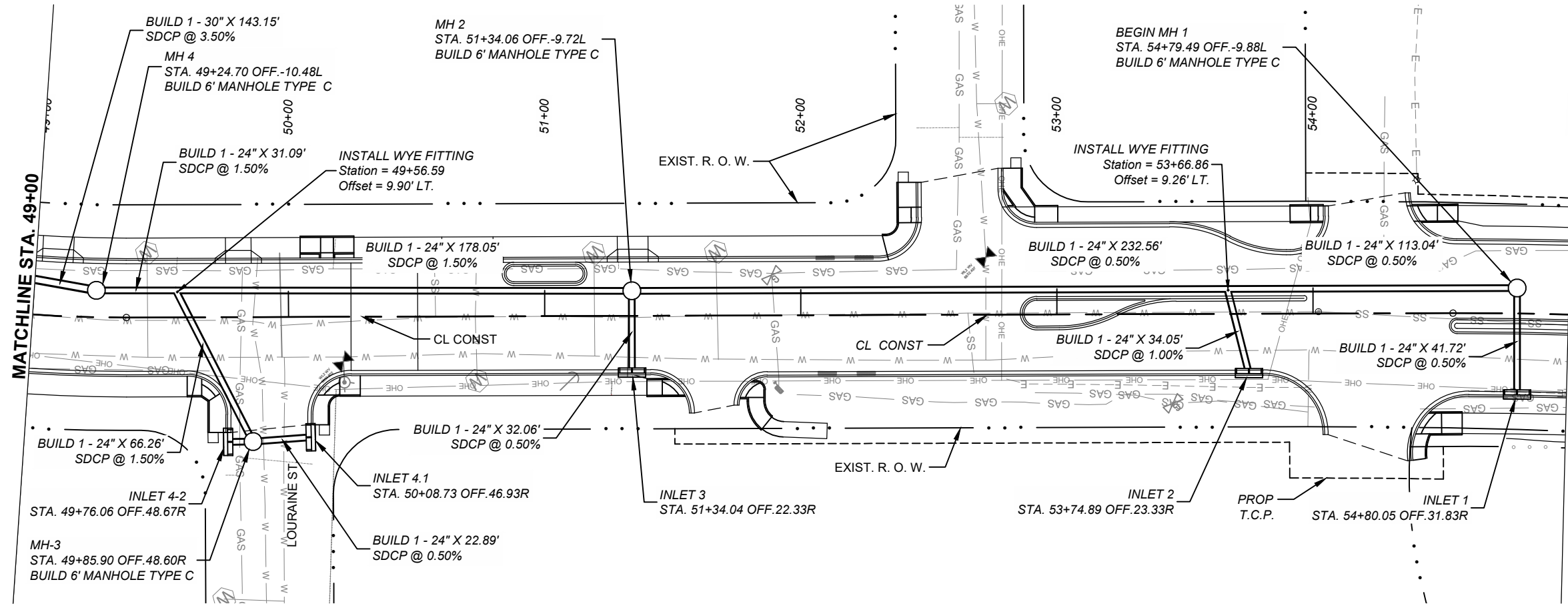
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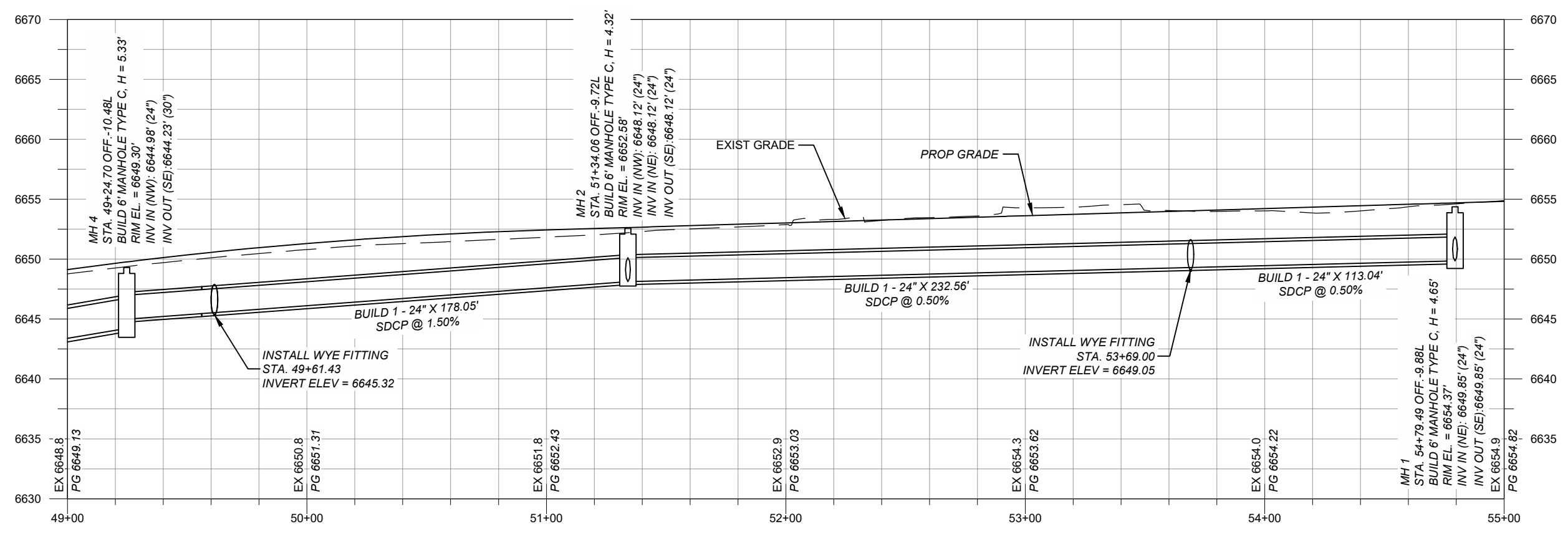
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ARROYO DE LOS CHAMISOS CROSSING  
DRAINAGE PLAN AND PROFILE



PLAN DRAWING SCALE: 1" = 50'

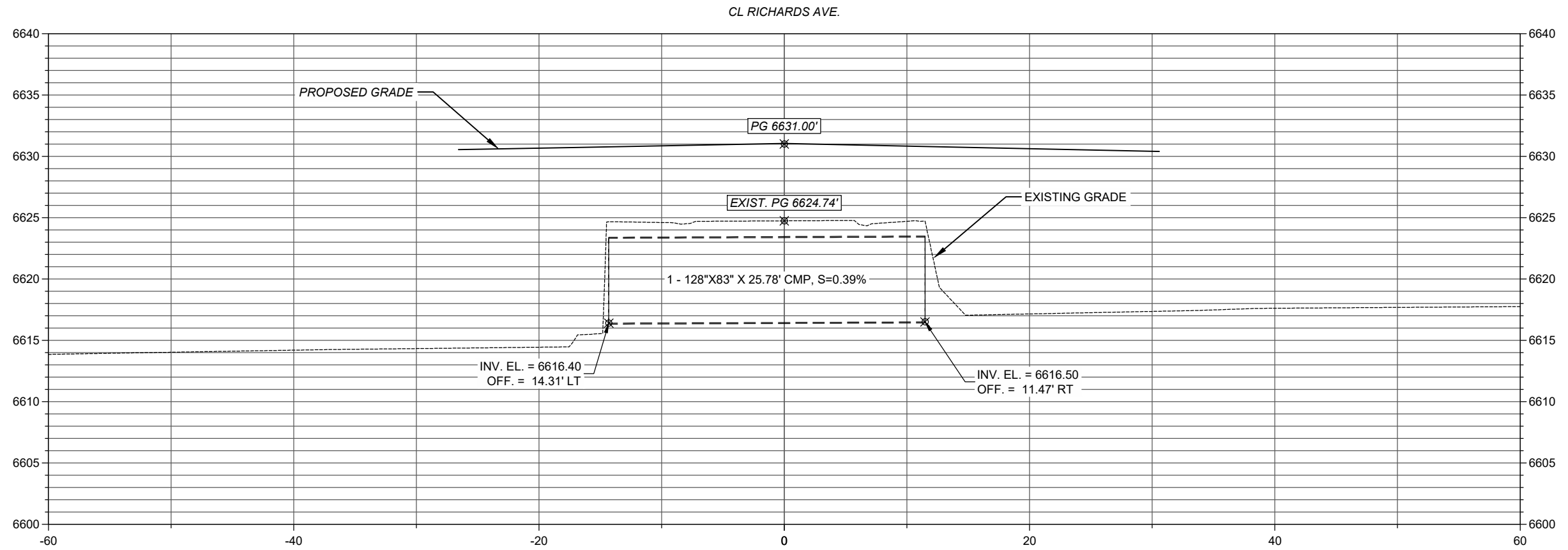
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DRAINAGE PLAN AND PROFILE

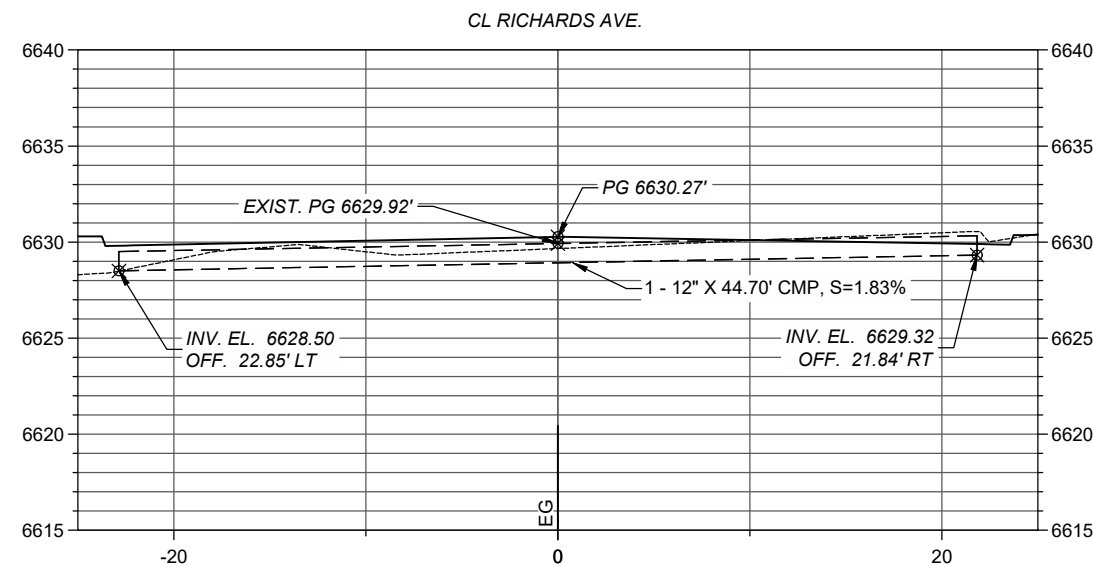




STA. 38+84.89

DS-A  
 (1) - 128" X 83" X 25.78' - CMPA NORMAL  
 REMOVE EXIST (1) - 128" X 83" X 25.78' CMPA  
 REMOVE WING WALLS AND CONCRETE  
 BUILD (1) BRIDGE (SEE 5-SERIES FOR BRIDGE DETAILS)

DA=XX	AC
HW <sub>50</sub> =XX	FT
Q <sub>50</sub> =1XX	CFS



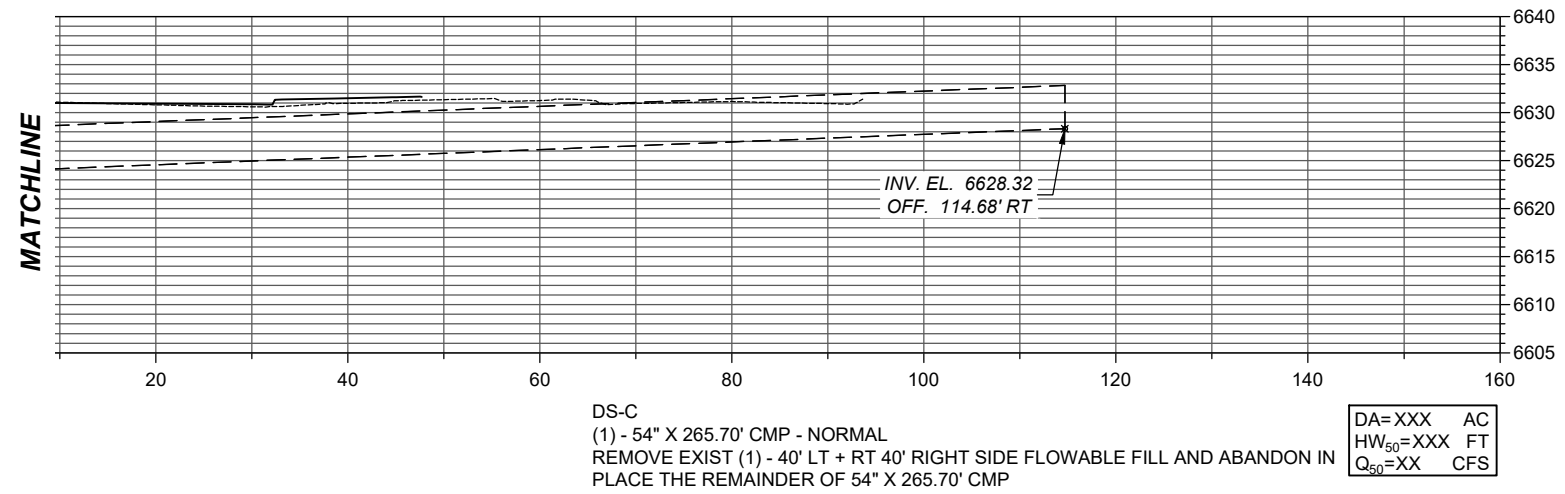
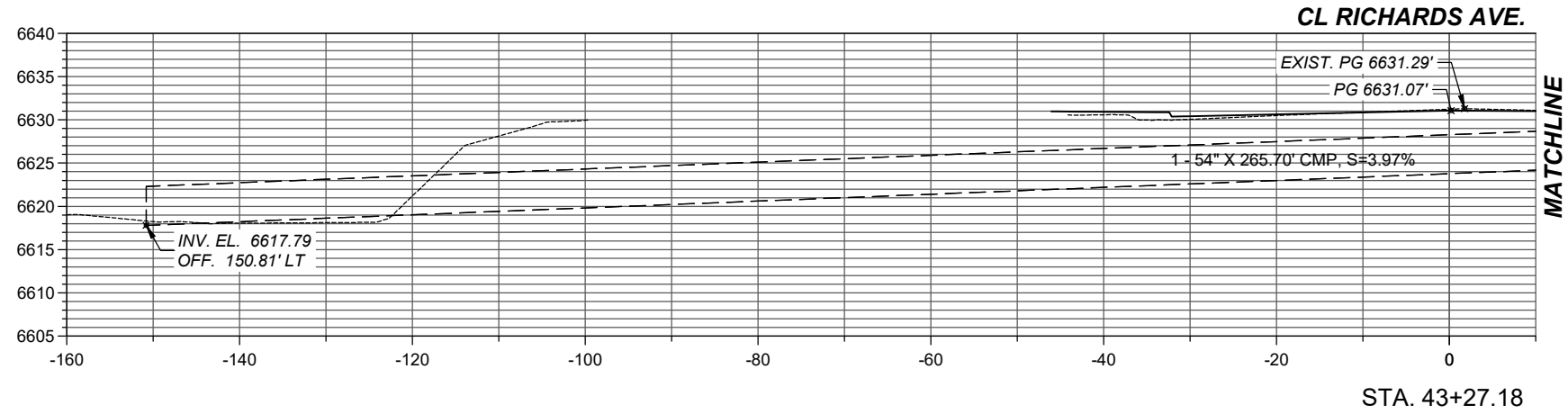
STA. 42+38.83

DS-B  
 (1) - 12" X 44.70' CMP - NORMAL  
 REMOVE EXIST (1) - 12" X 44.70' CMP

DA=X	AC
HW <sub>50</sub> =X	FT
Q <sub>50</sub> =X	CFS

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ARROYO DE LOS CHAMISOS CROSSING  
 EXISTING STRUCTURE SECTIONS



















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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING STRUCTURE SECTIONS

**UTILITY CONTACTS**

OWNER	TYPE	CONTACT		
CENTURYLINK	PHONE, CABLE, FIBER	ADBUL A BHIYAN, JOHN BOEDEKER	505-767-7443	abul.bhulyan2@centurylink.com, john.boedeker@centurylink.com
CITY OF SANTA FE WASTEWATER	SANITARY SEWER	GENERAL	NOT AVAILABLE	agromero@ci.santa-fe.nm.us
COMCAST	CABLE, FIBER	MIKE MORTUS	505-265-4006	mike_mortus@comcast.net
NEW MEXICO GAS	GAS	JOE HERRERA	505-401-7642	joe.herrera@nmgco.com
PLATEUA	FIBER	GENERAL	575-389-4211	lwaller@plateautel.com
PNM	ELECTRIC (OVERHEAD, UNDERGROUND)	CHRIS BUDD	505-401-7482	chris.budd@pnm.com
CITY OF SANTA FE STORM	STORM SEWER	GENERAL	NOT AVAILABLE	NOT AVAILABLE

**LINE TYPES**
























	SIZE, W (QUALITY LEVEL)	WATER LINE
	SIZE, T (QUALITY LEVEL)	TELEPHONE LINE
	SIZE, SD (QUALITY LEVEL)	STORM DRAIN LINE
	SIZE, SS (QUALITY LEVEL)	SANITARY SEWER LINE
	SIZE, PSS (QUALITY LEVEL)	PRESSURIZED SANITARY SEWER LINE
	SIZE, GAS (QUALITY LEVEL)	GAS LINE
	SIZE, FO (QUALITY LEVEL)	FIBER OPTIC LINE
	SIZE, E (QUALITY LEVEL)	ELECTRICAL LINE
	SIZE, CTV (QUALITY LEVEL)	CABLE TV LINE
	SIZE, OHT (QUALITY LEVEL)	TELEPHONE OVERHEAD
	SIZE, OHFO (QUALITY LEVEL)	FIBER OPTIC OVERHEAD LINE
	SIZE, OHE (QUALITY LEVEL)	ELECTRICAL OVERHEAD LINE
	SIZE, OHCTV (QUALITY LEVEL)	CABLE TV OVERHEAD LINE
	SIZE, RUSS (QUALITY LEVEL)	REUSE SEWER LINE
		EXISTING RIGHT-OF-WAY (ROW)
		MATCHLINE

**QUALITY LEVEL**

**DEFINITION**

D	EXISTING RECORDS: UTILITIES ARE PLOTTED FROM REVIEW OF AVAILABLE RECORDS.
C	QUALITY LEVEL "D" INFORMATION FROM EXISTING RECORDS IS CORRELATED WITH SURVEYED SURFACE FEATURES.
B	DESIGNATE: TWO-DIMENSIONAL HORIZONTAL MAPPING. THIS INFORMATION IS OBTAINED THROUGH THE APPLICATION AND INTERPRETATION OF SURFACE GEOPHYSICAL METHODS. UTILITY INDICATIONS ARE REFERENCED TO APPROPRIATE SURVEY CONTROL.
A	LOCATE (TEST HOLE): THREE DIMENSIONAL MAPPING AND OTHER CHARACTERIZATION DATA. THIS INFORMATION IS OBTAINED THROUGH EXPOSING UTILITY FACILITIES THROUGH TEST HOLES AND MEASURING AND RECORDING (TO APPROPRIATE SURVEY CONTROL) UTILITY/ENVIRONMENTAL DATA, AND INCORPORATING QUALITY LEVELS "B", "C" AND "D" INFORMATION TO PRODUCE QUALITY LEVEL "A"

**SYMBOLS**

	POLE TAG		TELEPHONE MANHOLE
	FIRE HYDRANT		TELEVISION PEDESTAL
	WATER METER		PULL BOX
	WATER VALVE		LIGHT POLE
	WATER MANHOLE		TRAFFIC LIGHT
	DROP INLET		POWER POLE
	ELECTRIC BOX		GAS VALVE
	ELECTRIC MANHOLE		STORM DRAIN MANHOLE
	TELEPHONE PEDESTAL		SANITARY SEWER MANHOLE
	SIGNAL CABINET		CLEAN OUT
	TEST HOLE		TRAFFIC PULLBOX
			FIBER MANHOLE

**ABBREVIATIONS**

UTILITY OWNER	MATERIALS	OTHER
CTL CENTURY LINK-LOCAL ENGINEERING	AC ASBESTOS CEMENT	ABND ABANDONED
CTLN CENTURY LINK-NATIONAL NETWORK (LEVEL 3)	CMP CORRUGATED METAL PIPE	CT COUNT
COMC COMCAST	CPP CORRUGATED PLASTIC PIPE	PH PHASE
NMG NEW MEXICO GAS	DIP DUCTILE IRON PIPE	PUE PUBLIC UTILITY EASEMENT
PNM POWER NEW MEXICO	PLA PLASTIC	PR PAIR
RIO CITY OF RIO RANCHO	PVC POLY VINYL CHLORIDE	TRANS TRANSMISSION
PLT PLATEUA	RCP REINFORCED CONCRETE PIPE	ROW RIGHT OF WAY
CFE CITY OF SANTA FE	STL STEEL	ROW-PROP RIGHT OF WAY-PROPOSED

**GENERAL UTILITY NOTES:**

- BEFORE DIGGING CALL NM 811 FOR LOCATING OF UNDERGROUND UTILITIES.
- ALL EXISTING UTILITY LOCATIONS ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS.
- UTILITY MATERIAL SHOWN IS FOR INFORMATION ONLY.

**STRUCTURES**

MS	SANITARY SEWER MANHOLE
MSD	STORM DRAIN MANHOLE
SDI	STORM DRAIN INLET

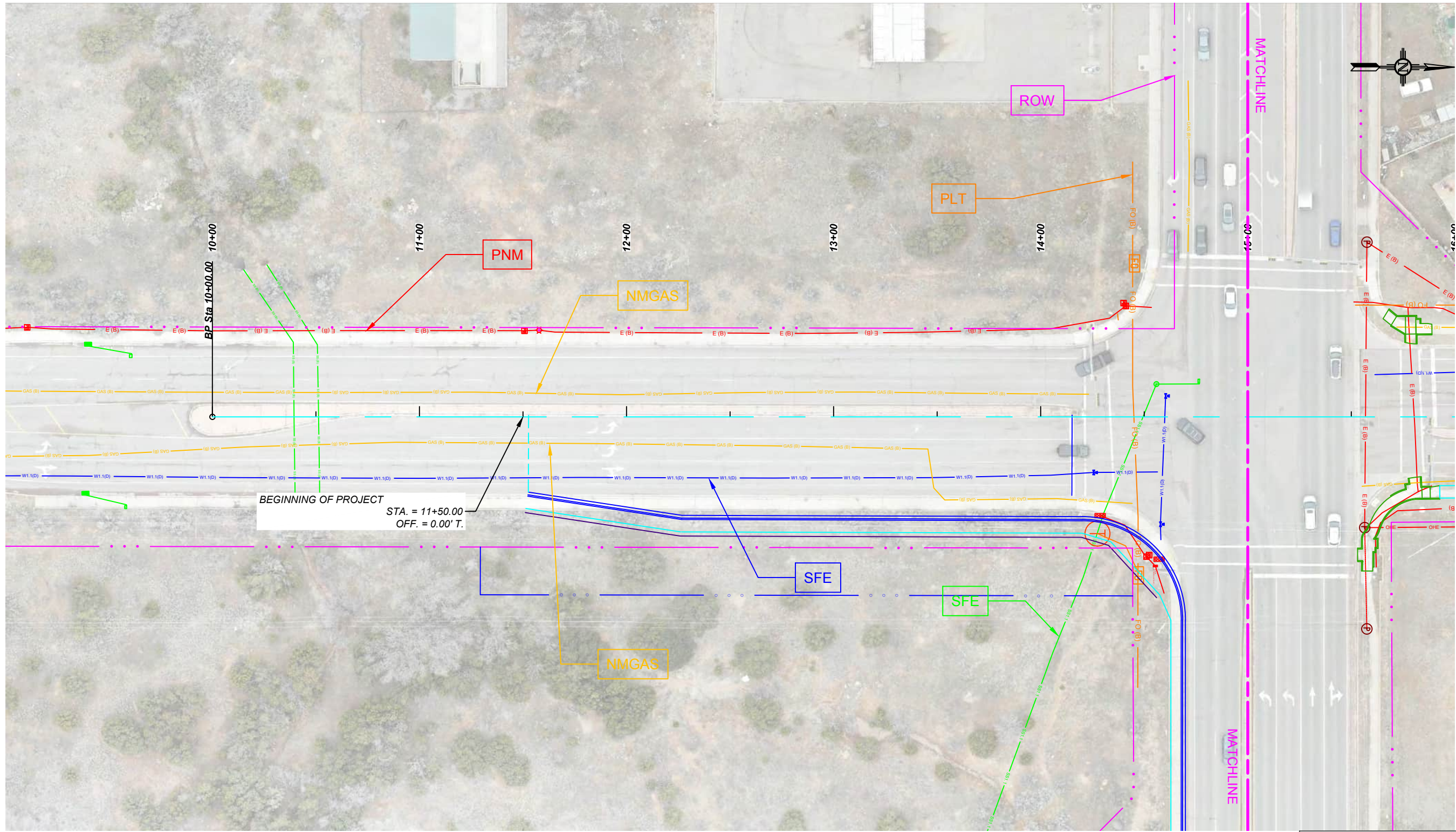
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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING UTILITY NOTES & LEGENDS



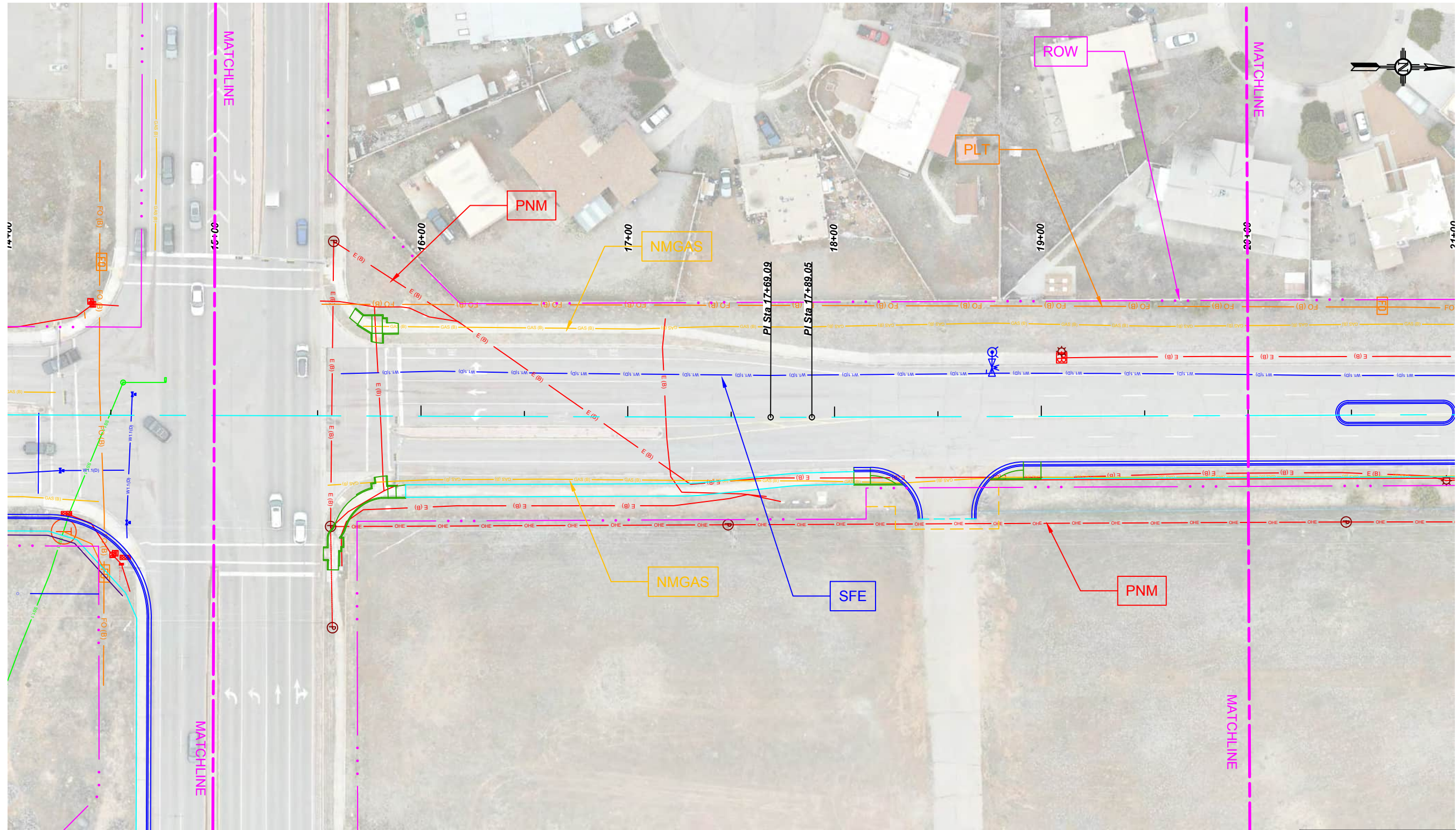


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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING UTILITY PLAN

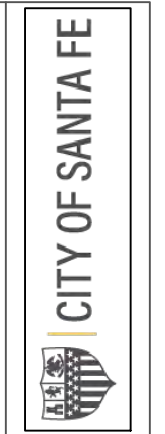
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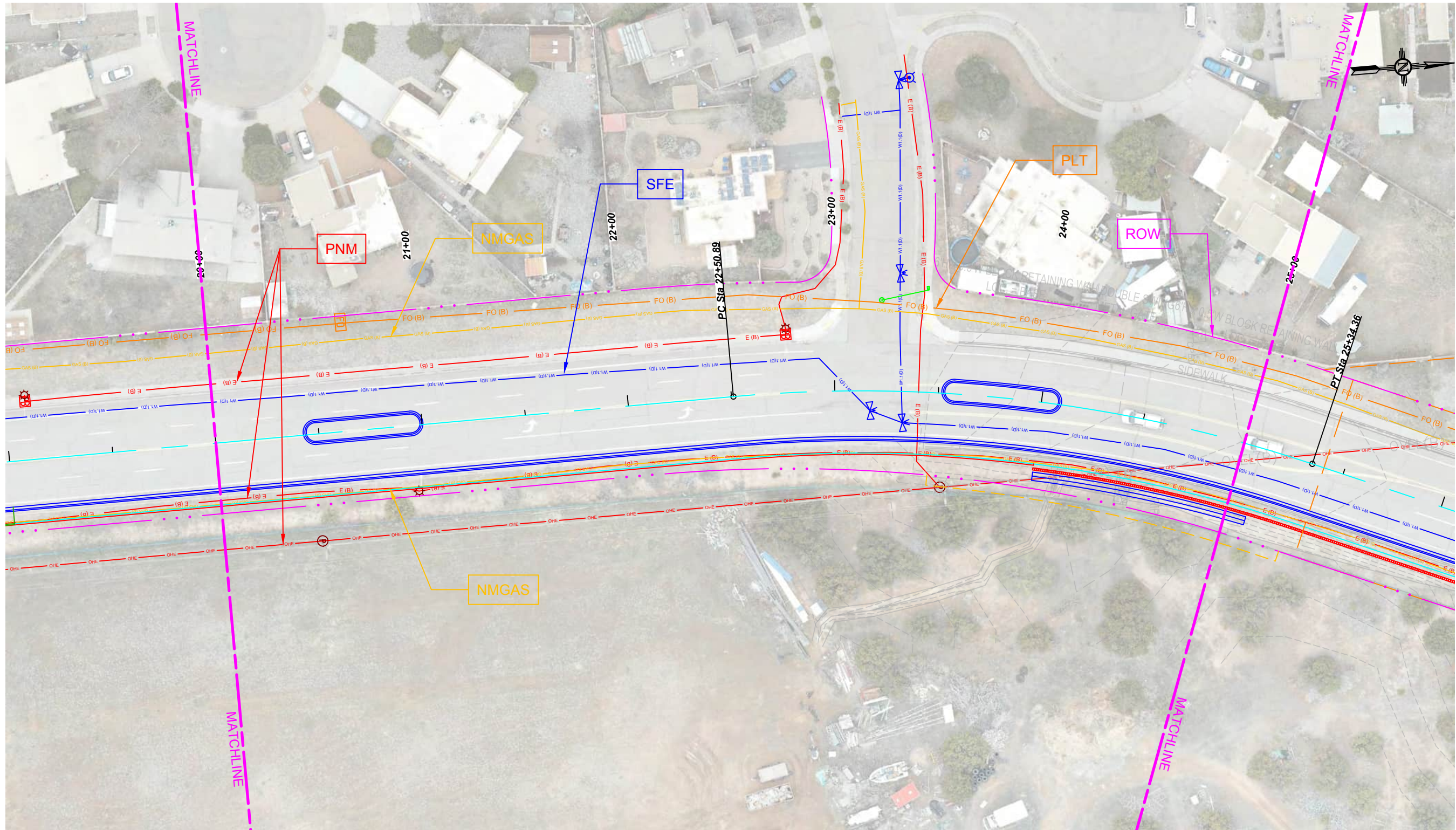
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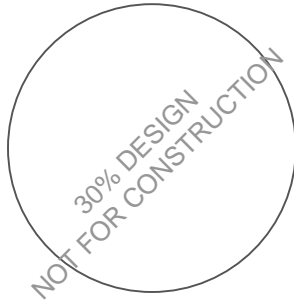




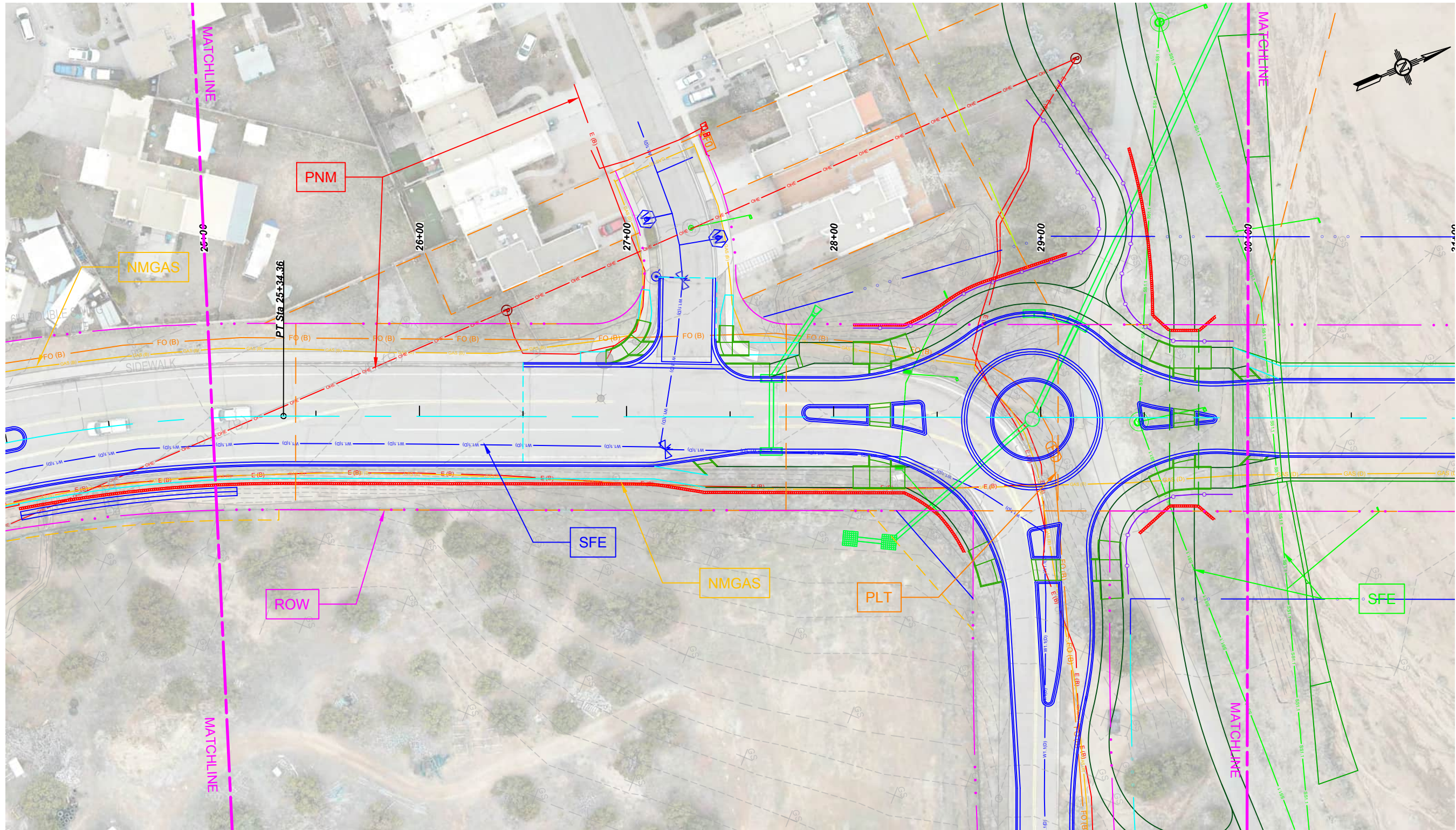
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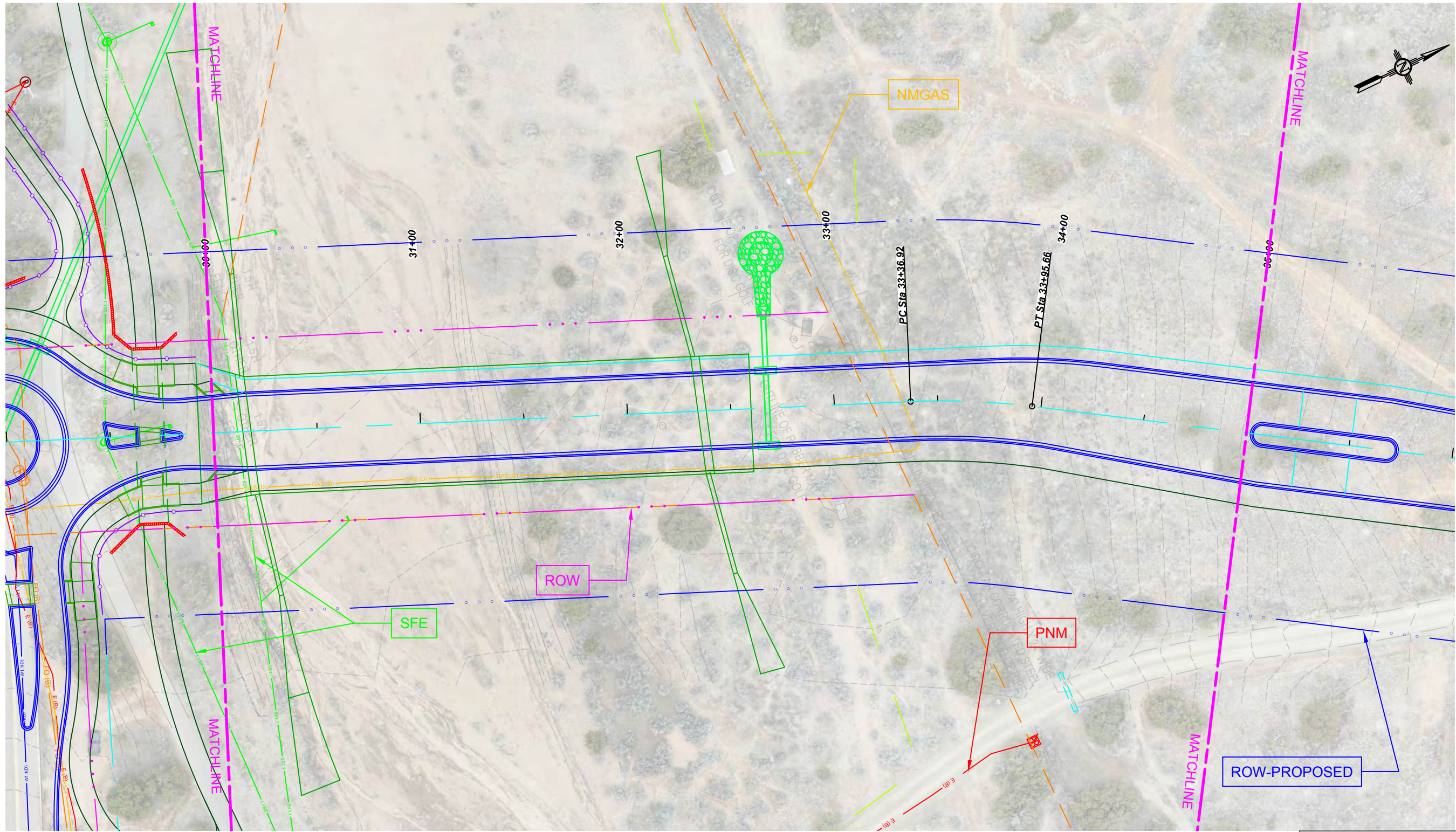
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ARROYO DE LOS CHAMISOS CROSSING  
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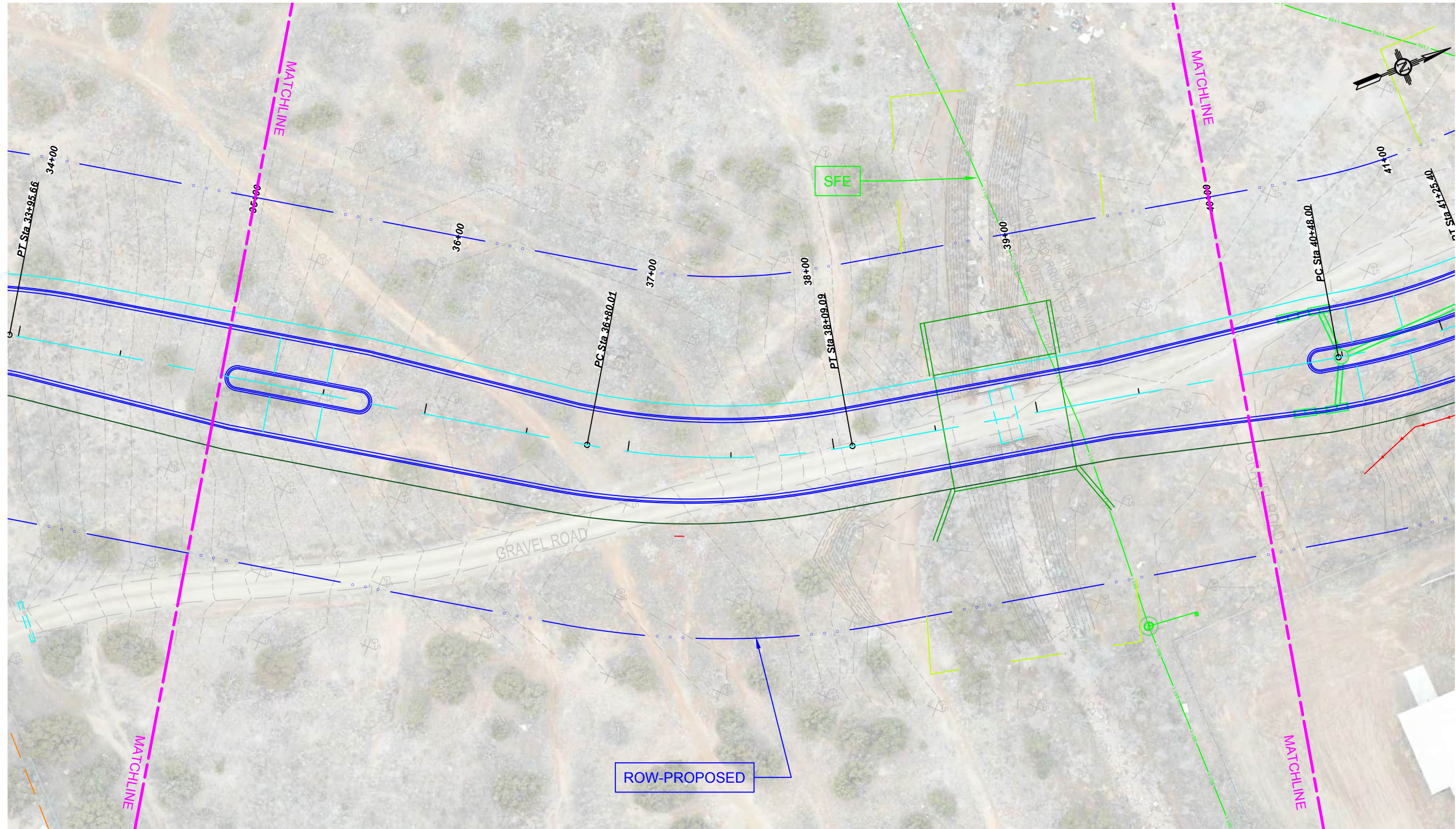
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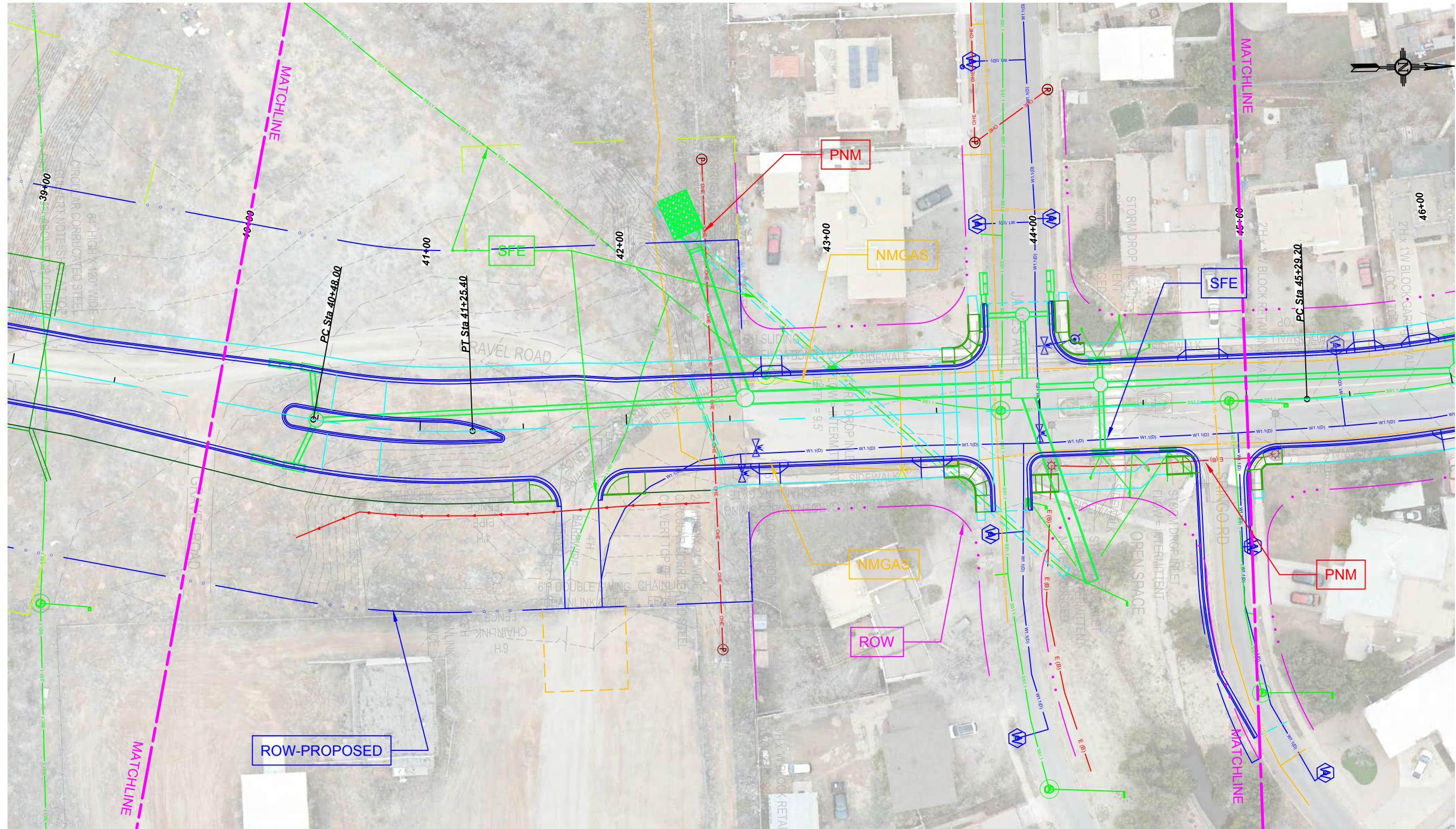
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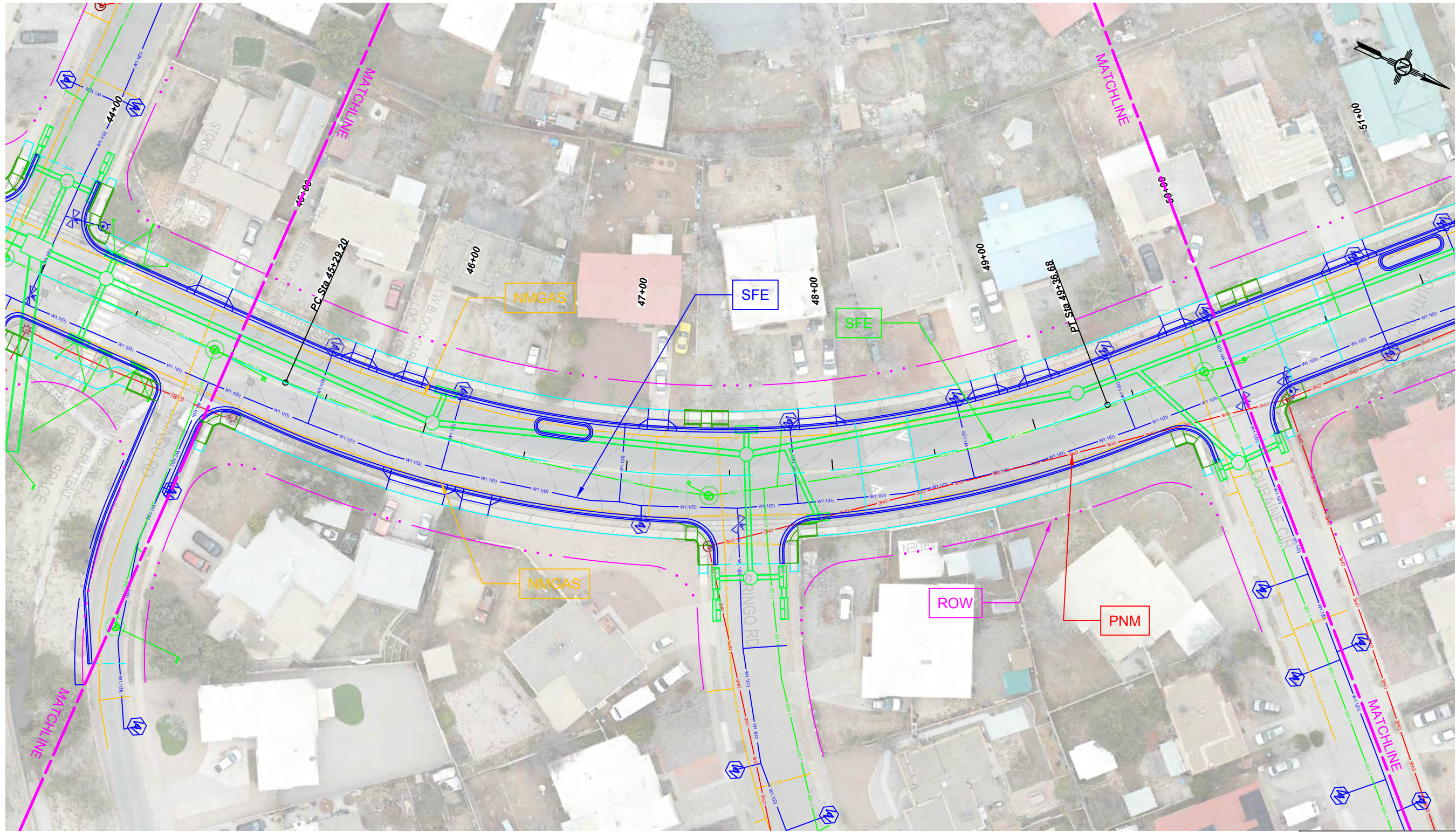
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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING UTILITY PLAN





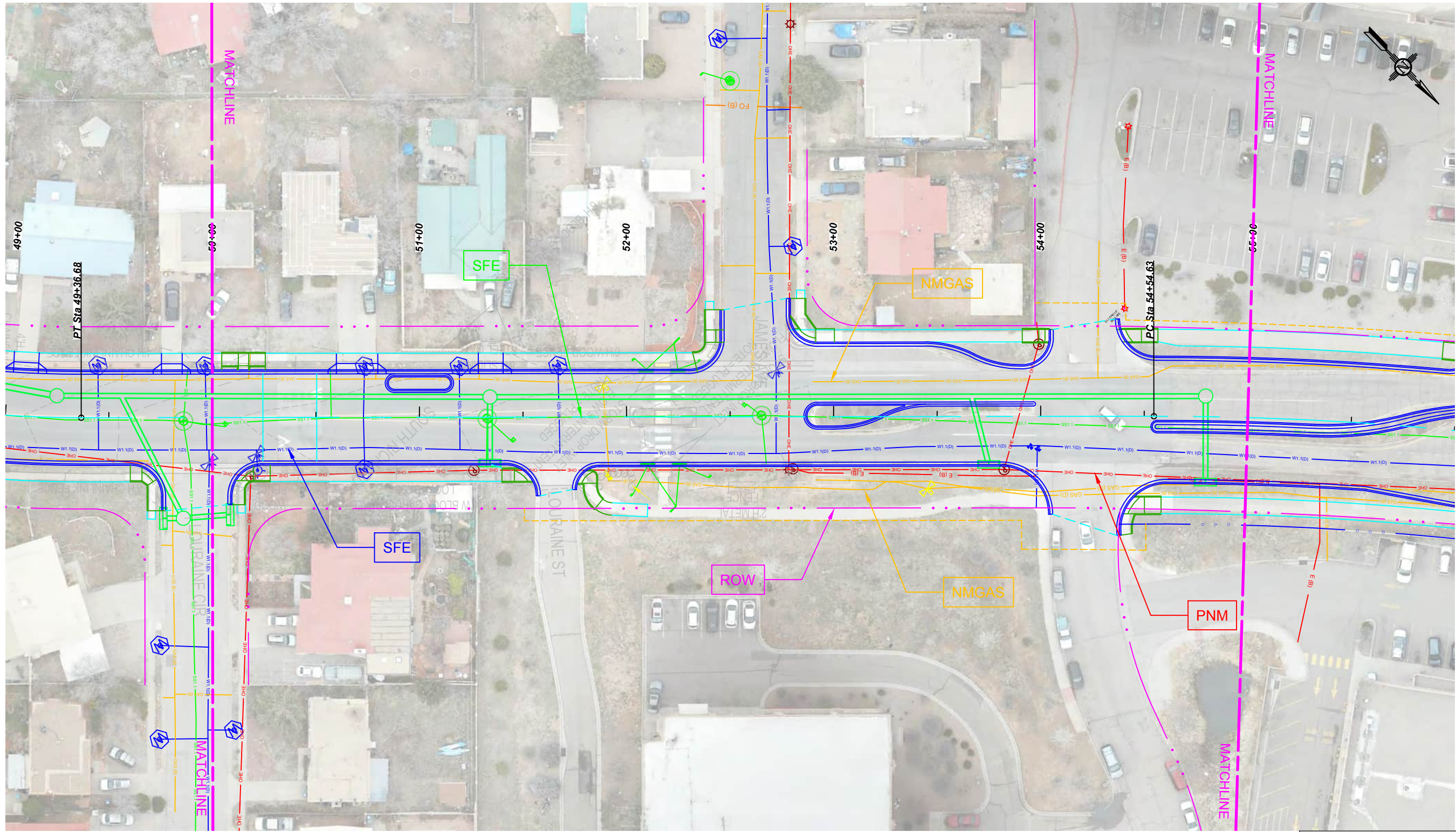
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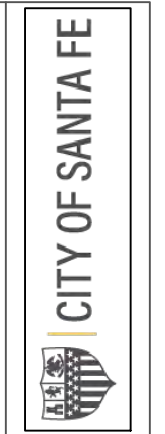






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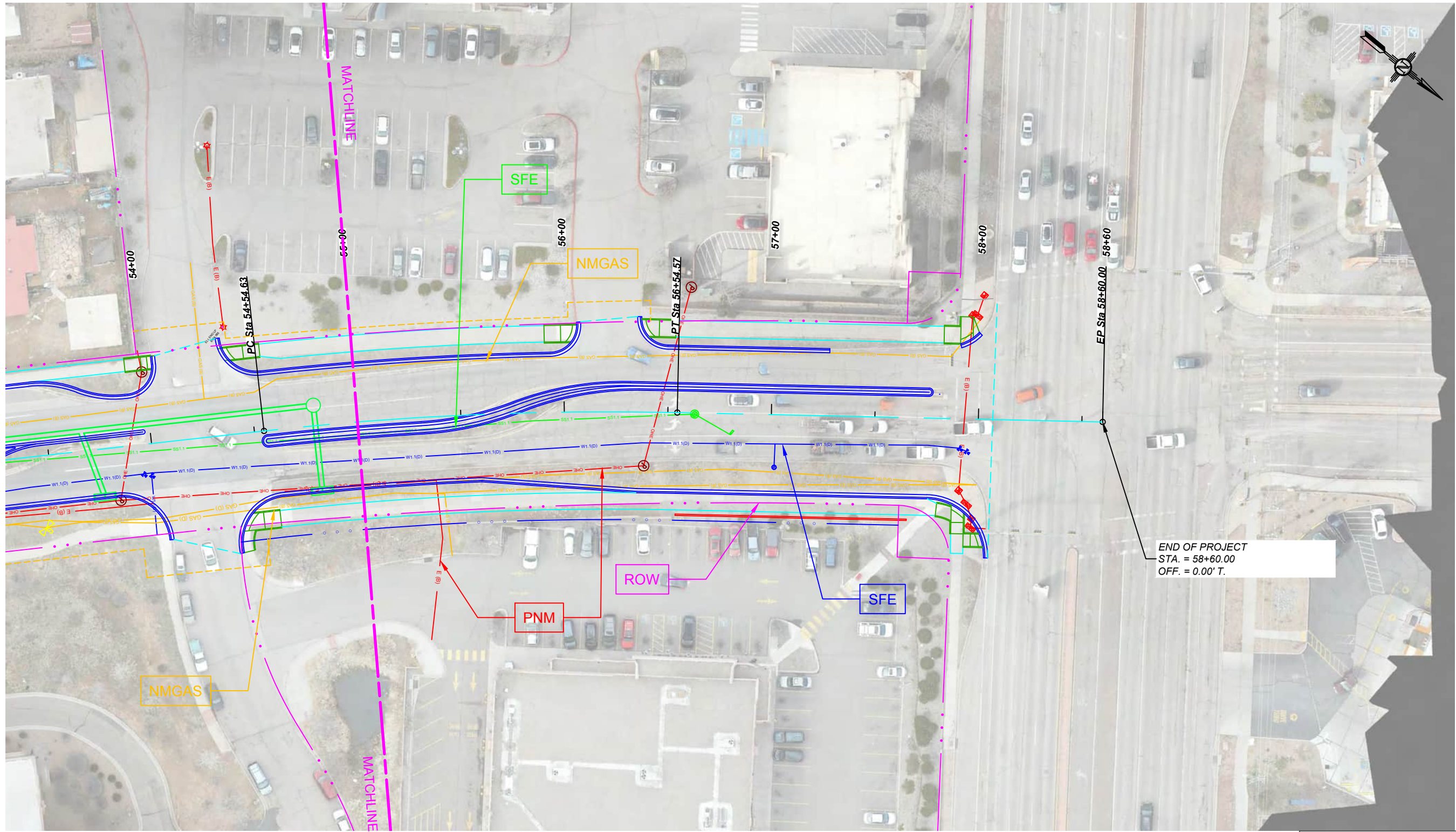
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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING UTILITY PLAN



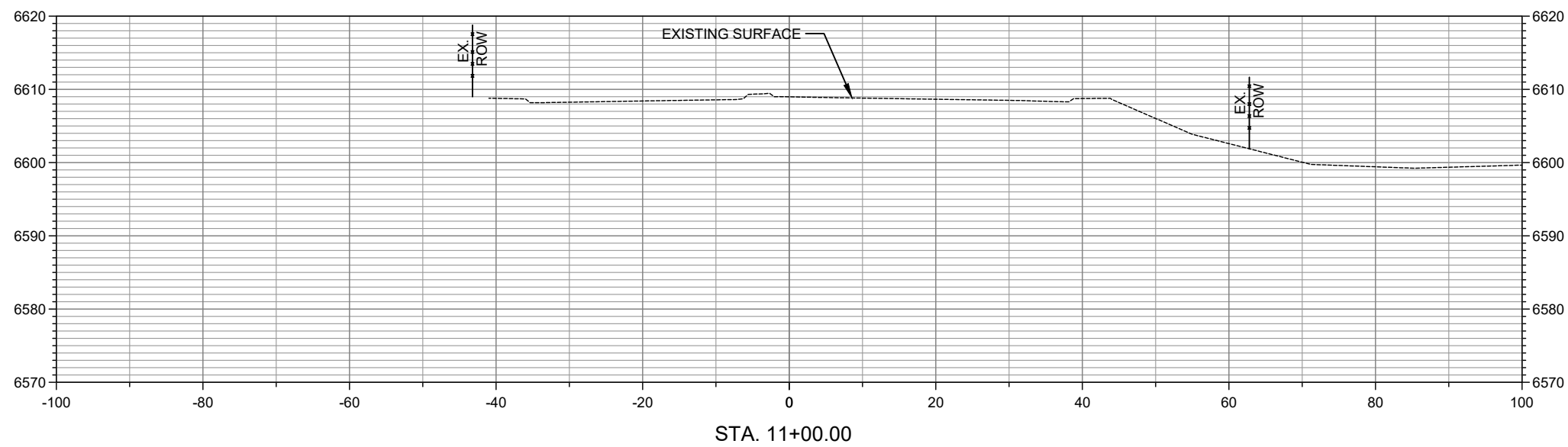
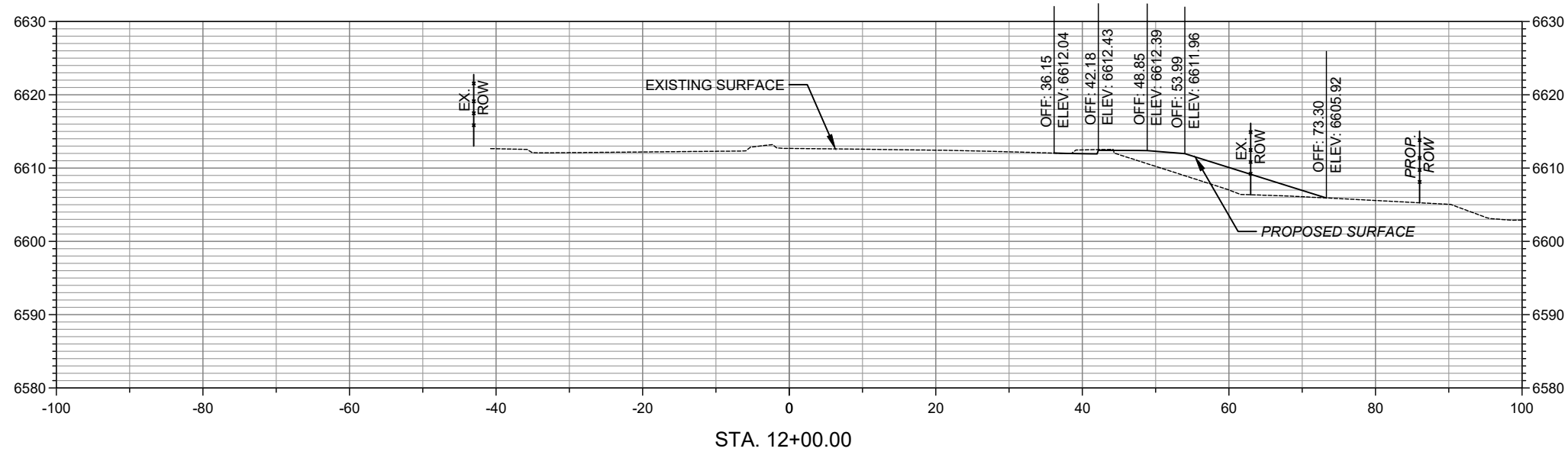


NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
EXISTING UTILITY PLAN

RESERVED FOR ENGINEERS STAMP





ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

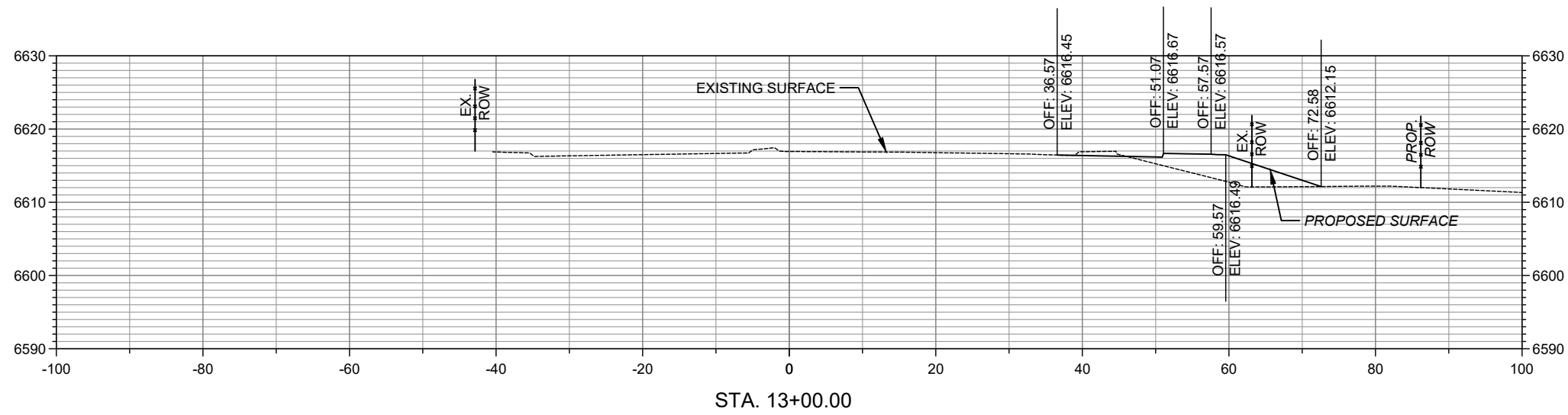
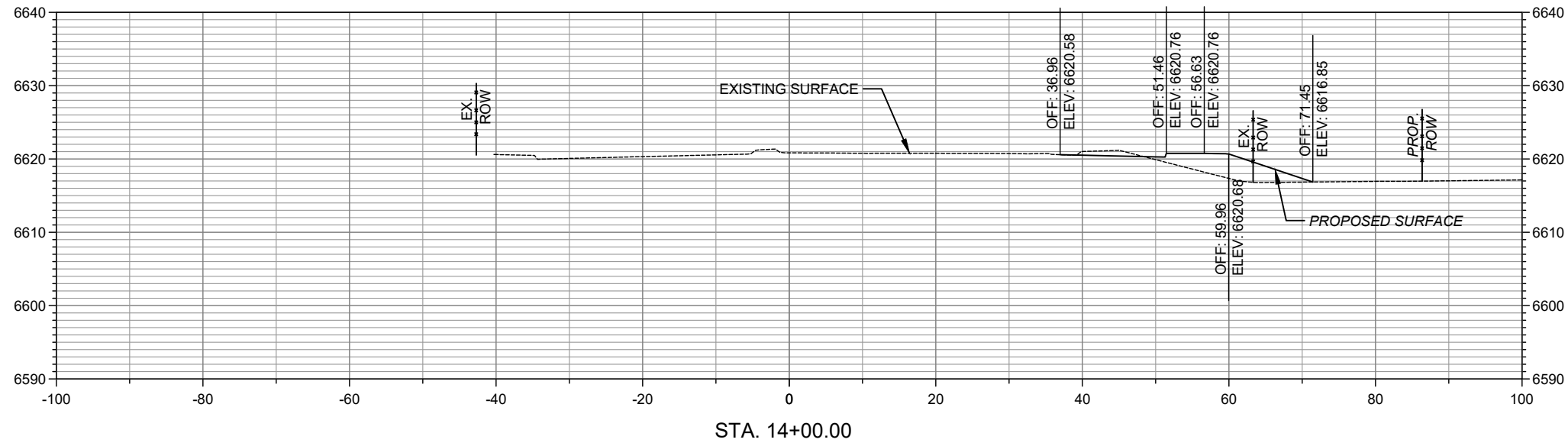
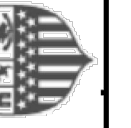
STATION RANGE: 11+00.00 THRU 58+00.00

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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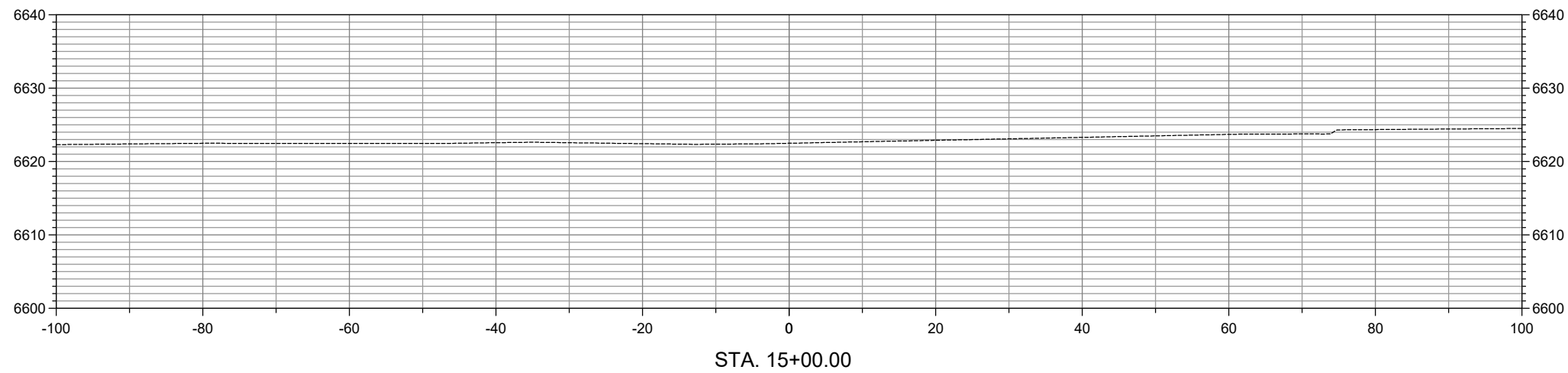
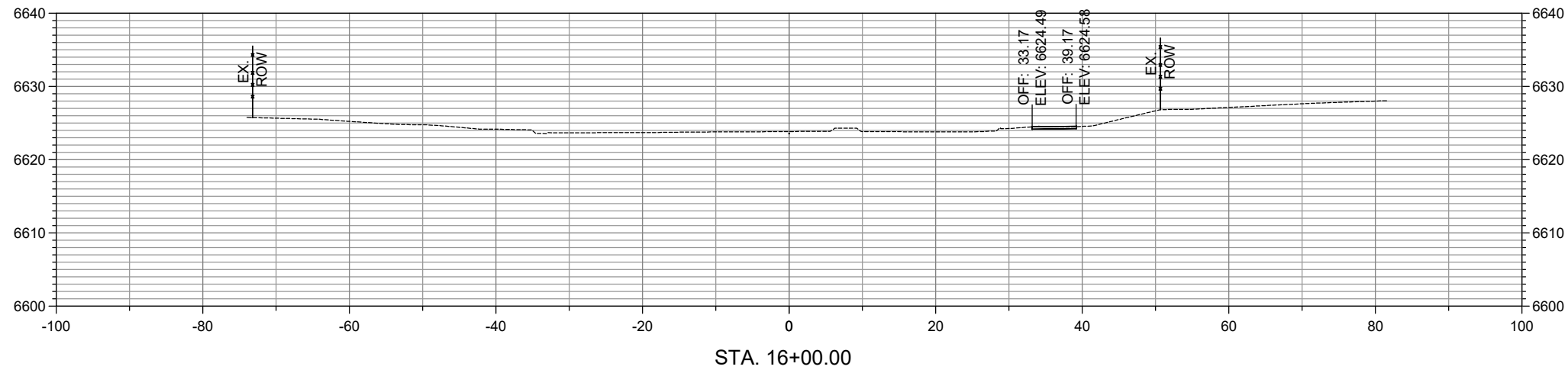


ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

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ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY



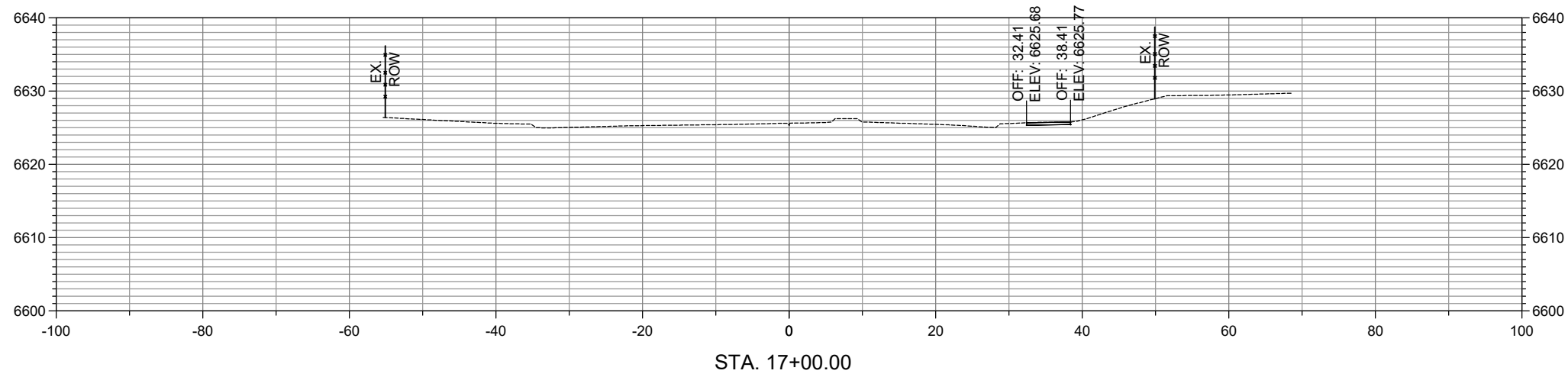
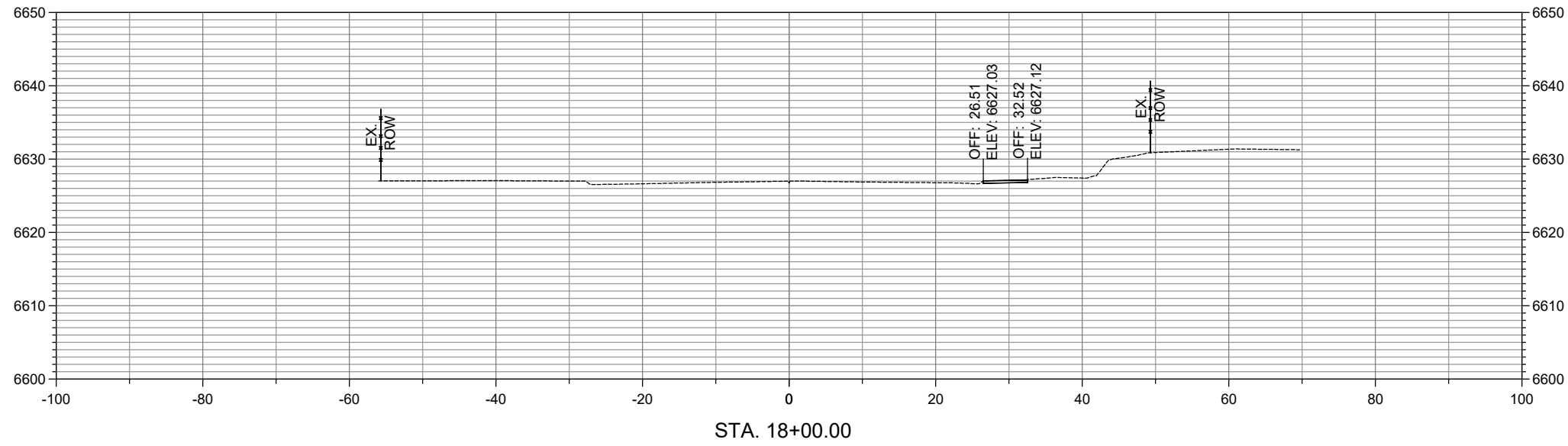
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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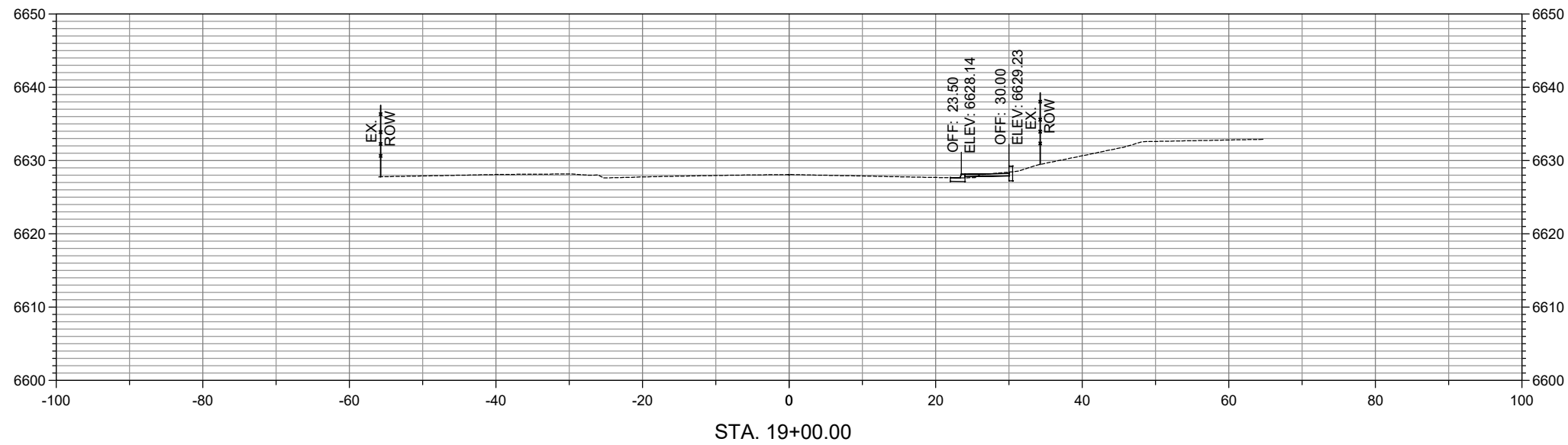
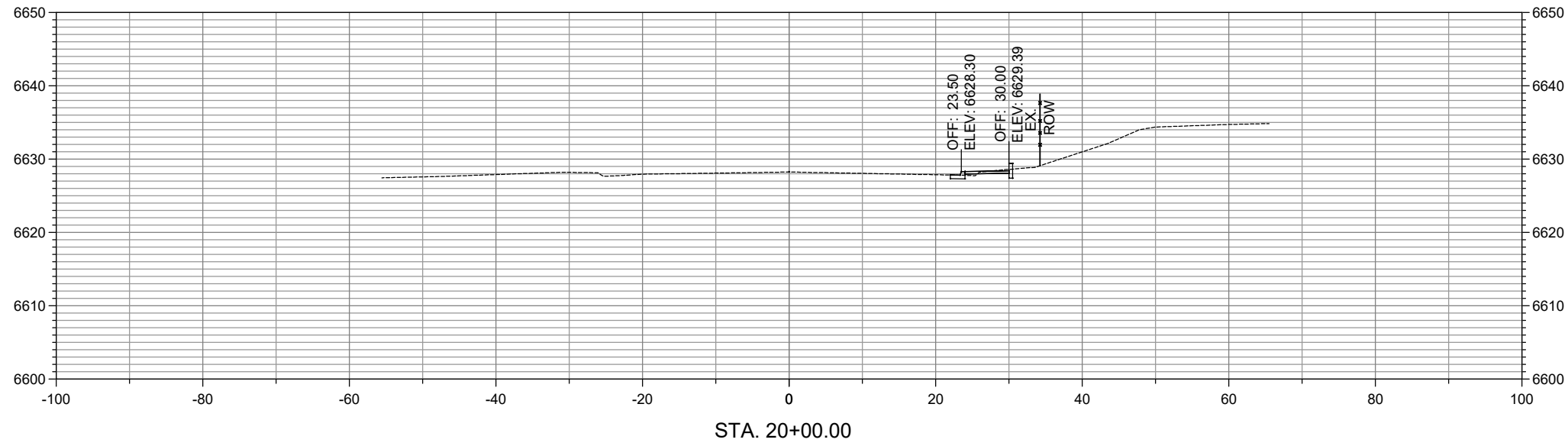
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

STATION RANGE: 11+00.00 THRU 58+00.00

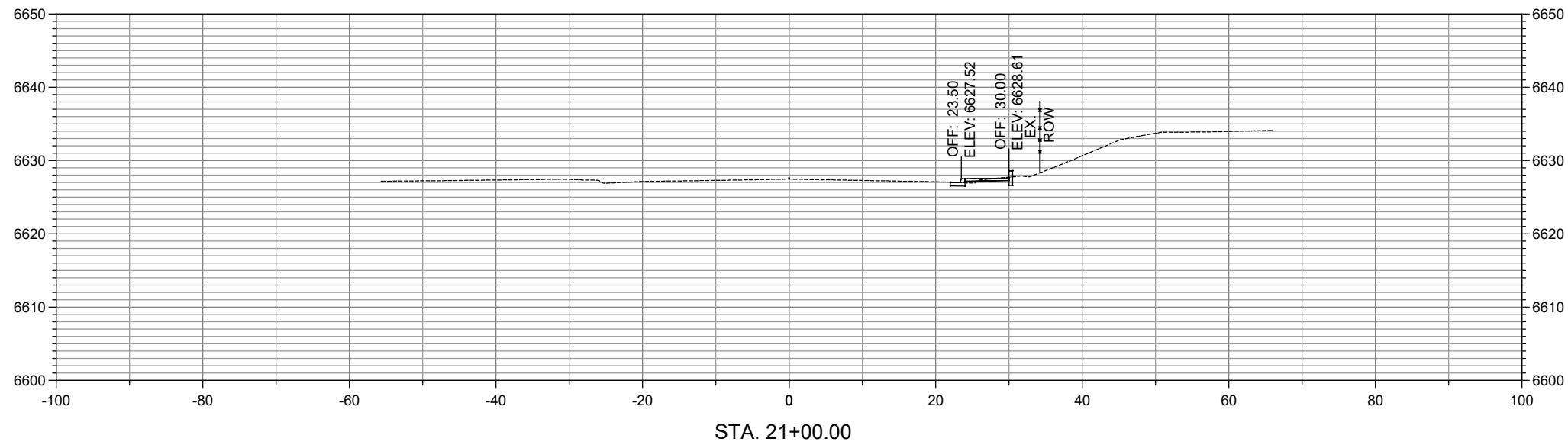
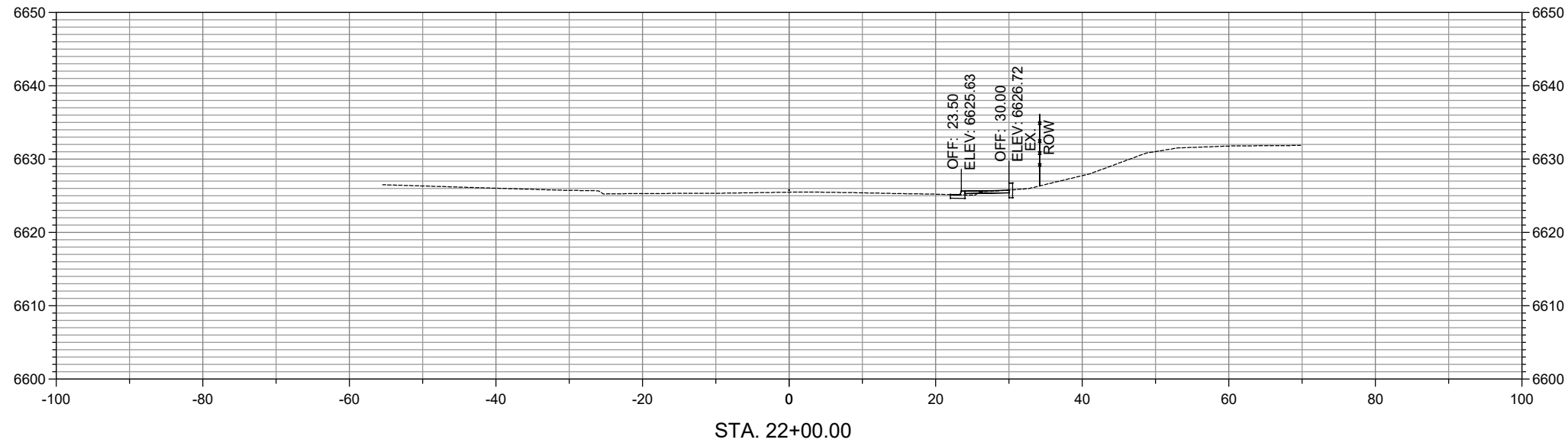
30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

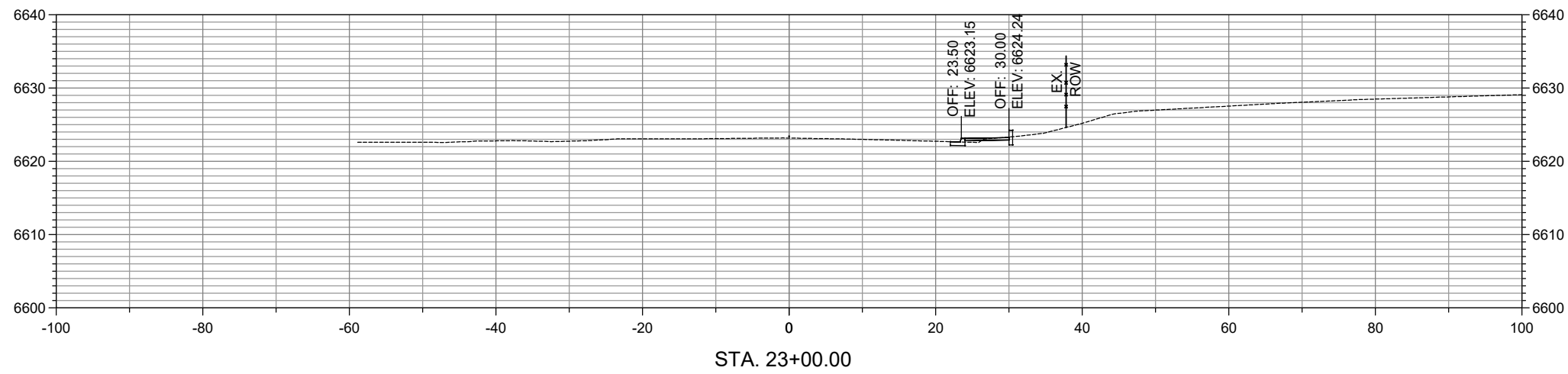
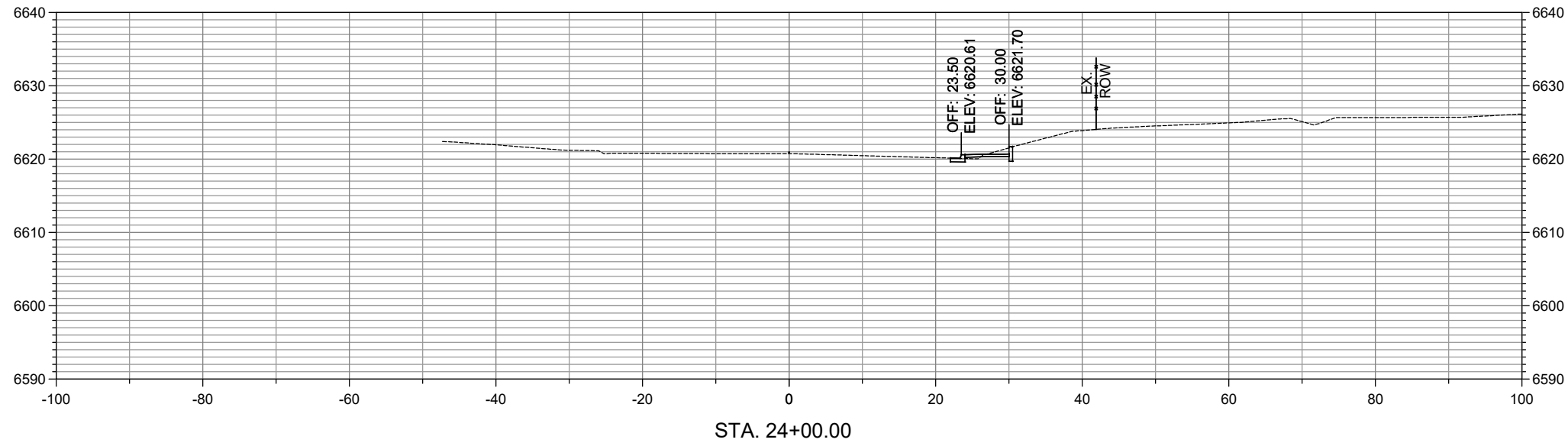
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

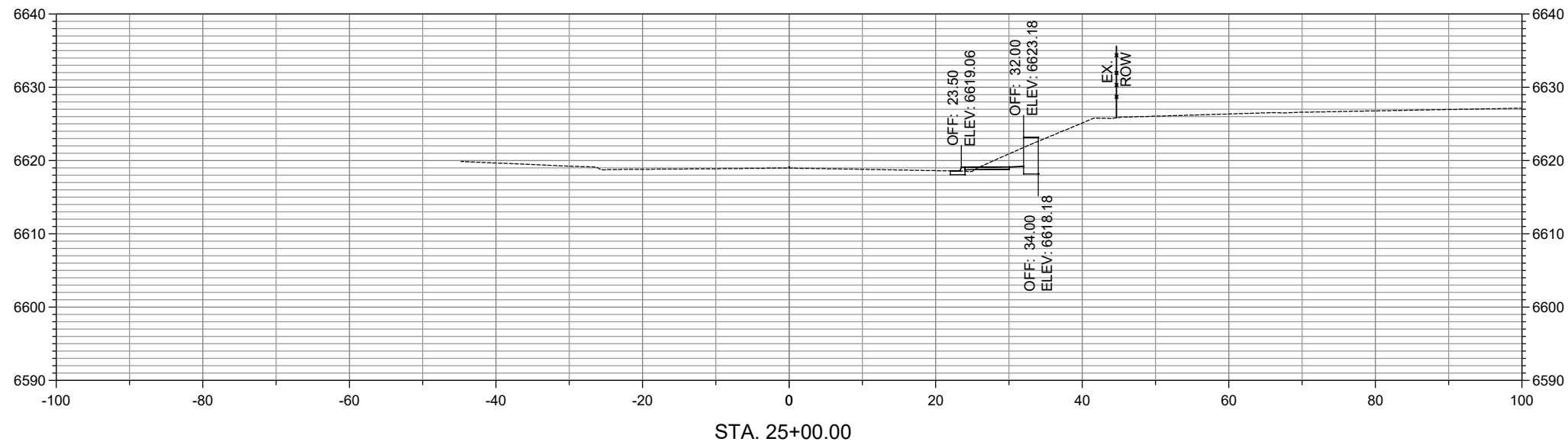
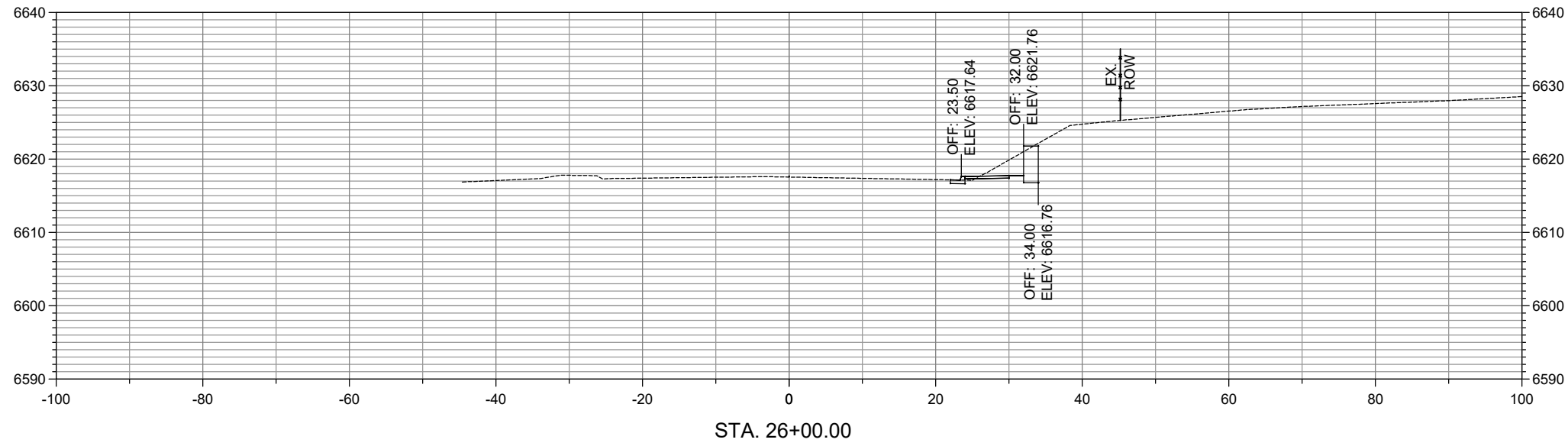
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

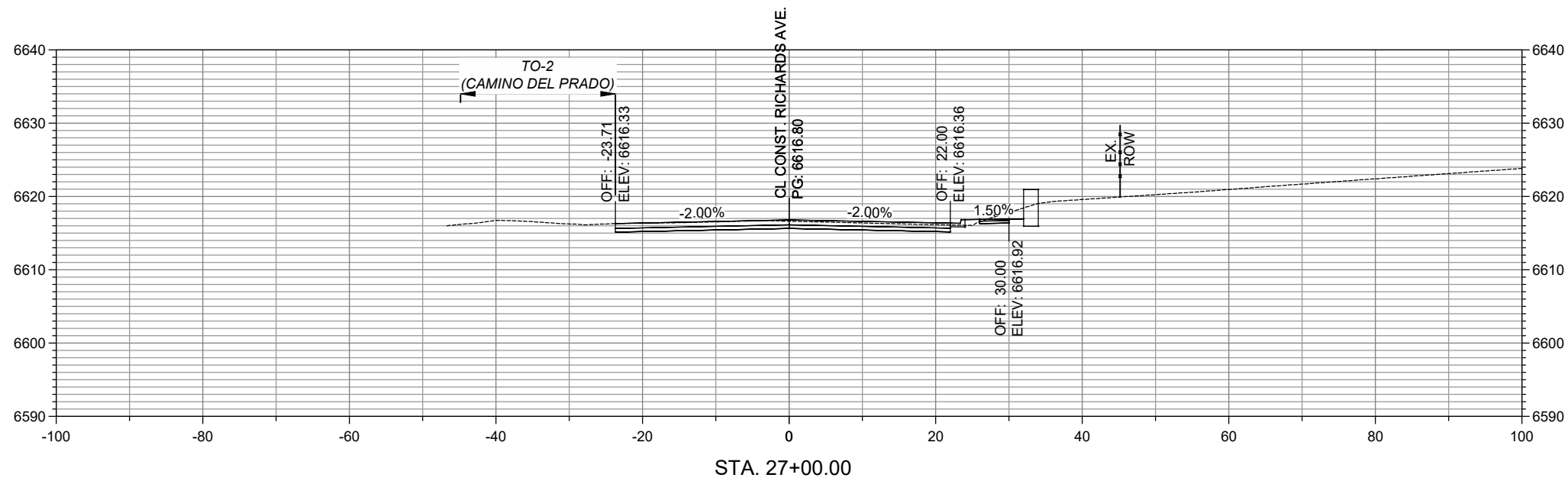
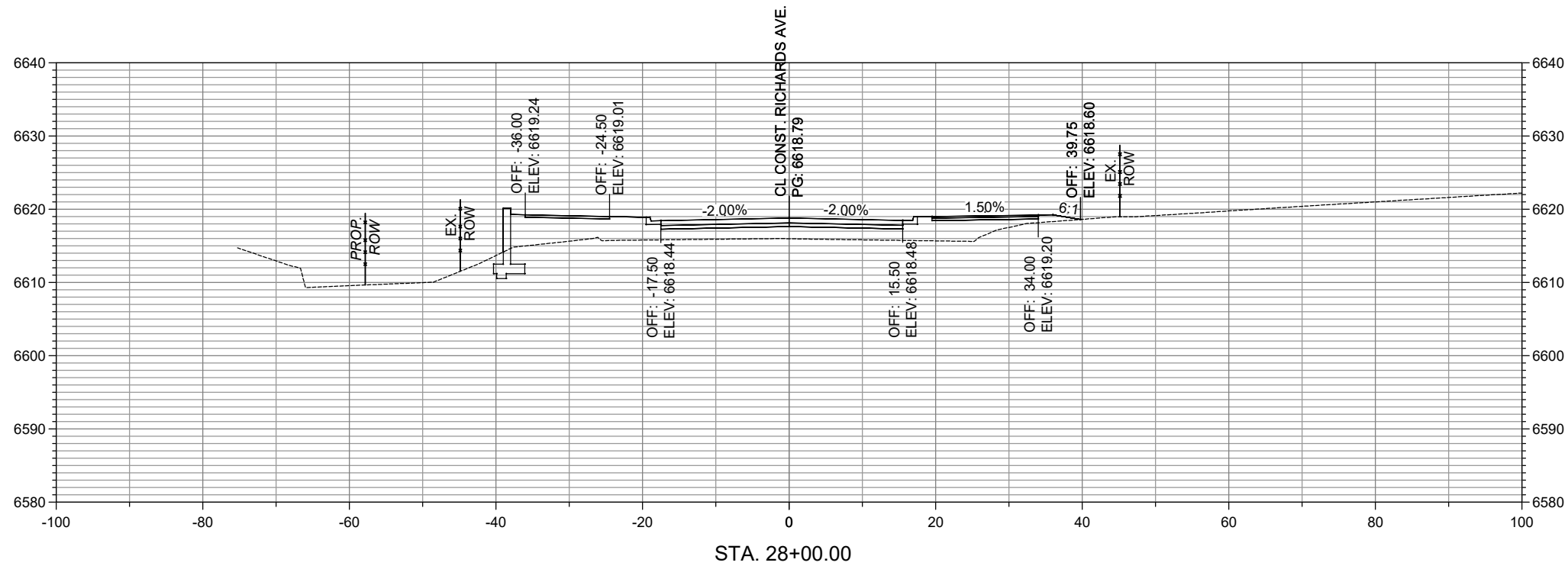
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

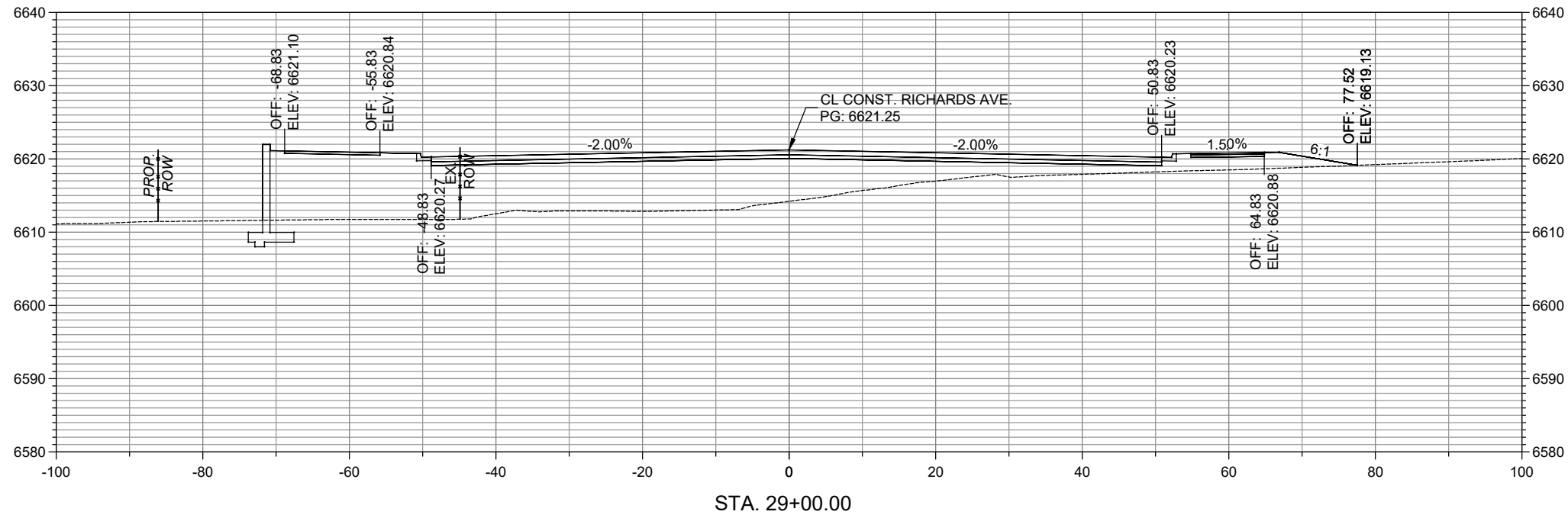
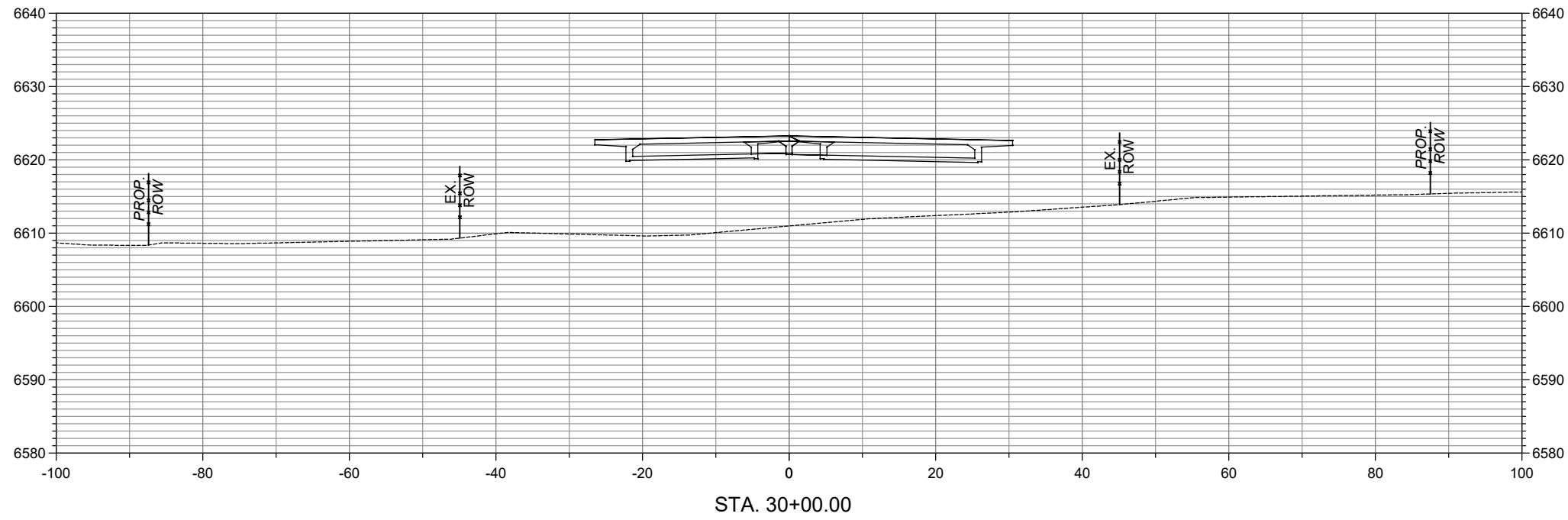
30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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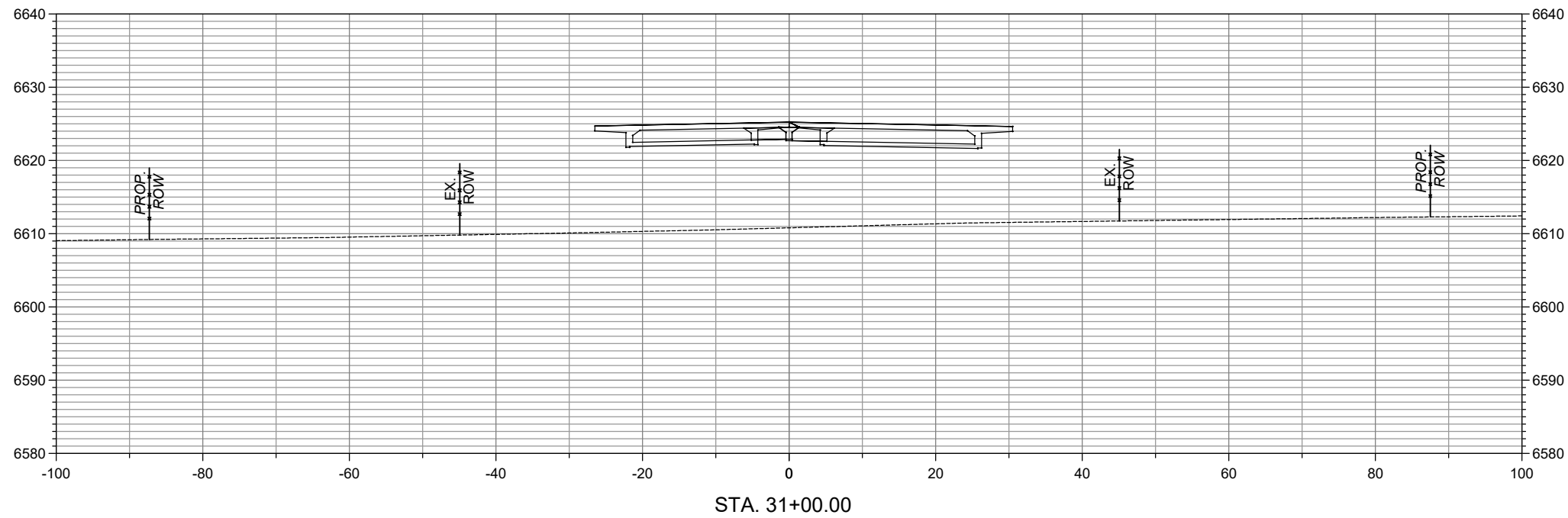
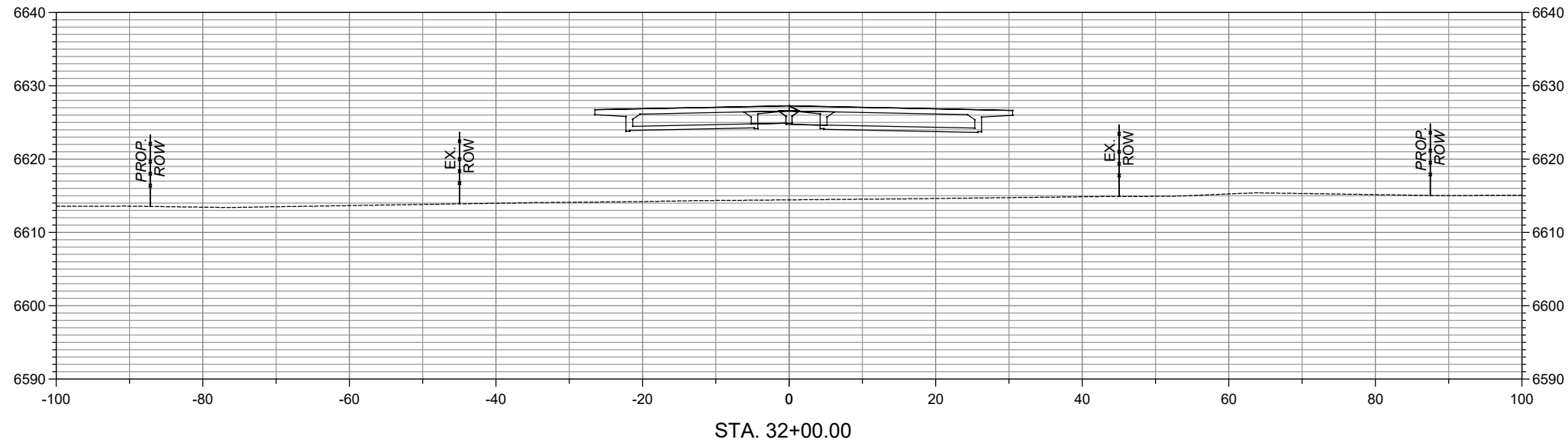
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

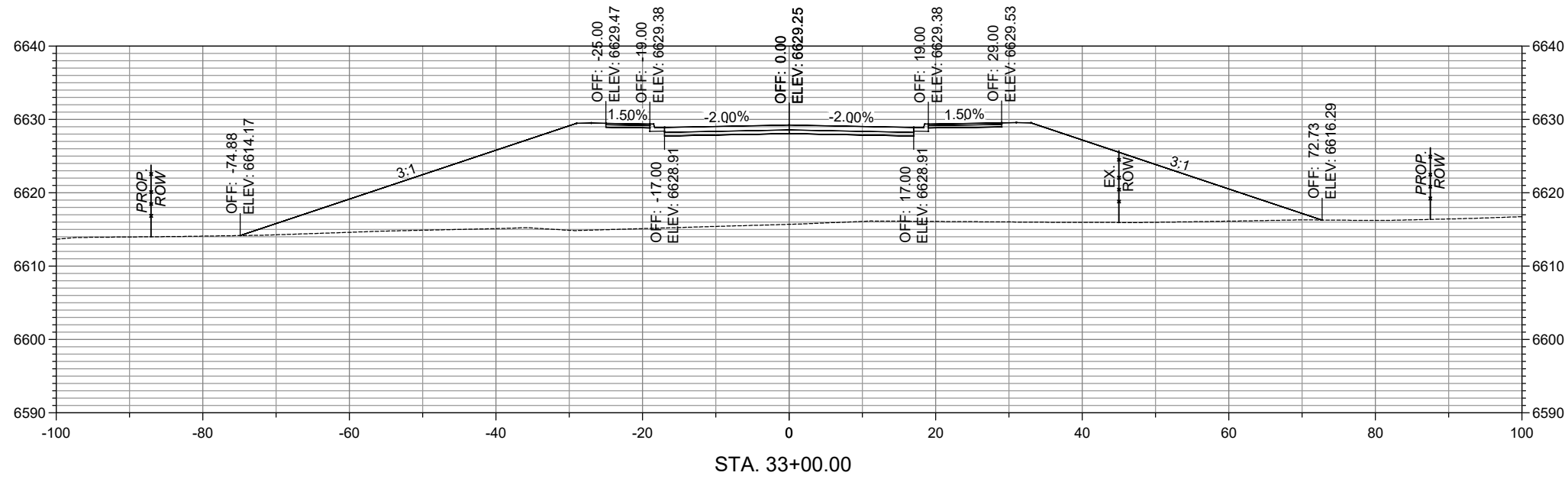
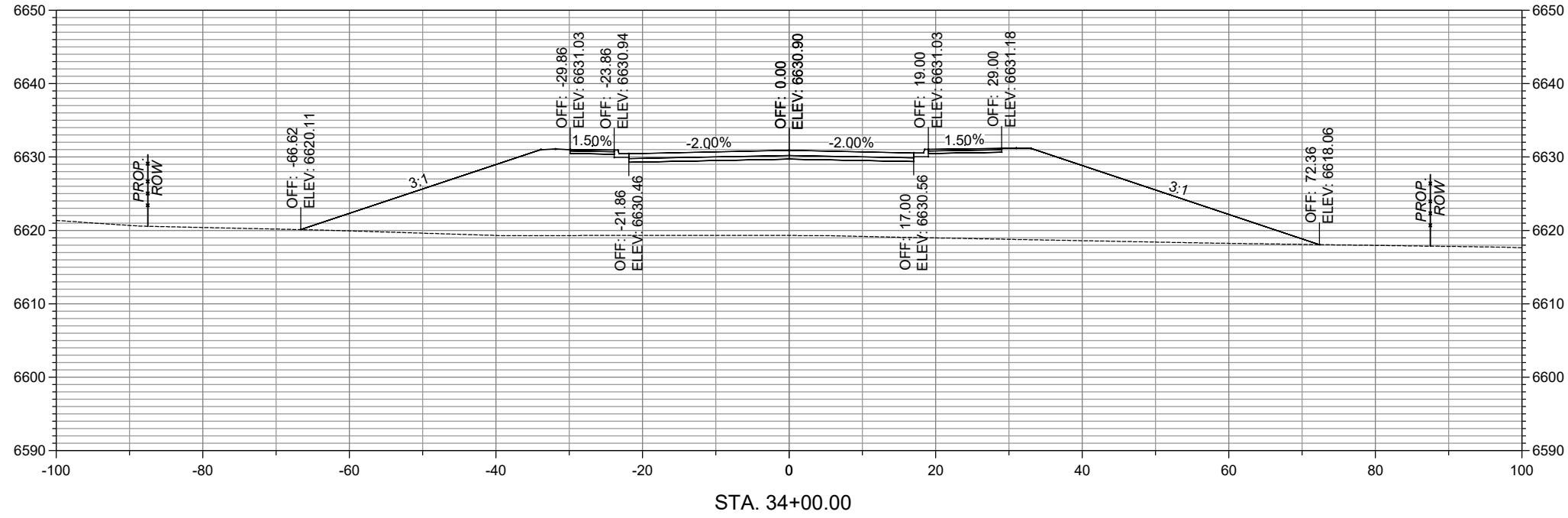
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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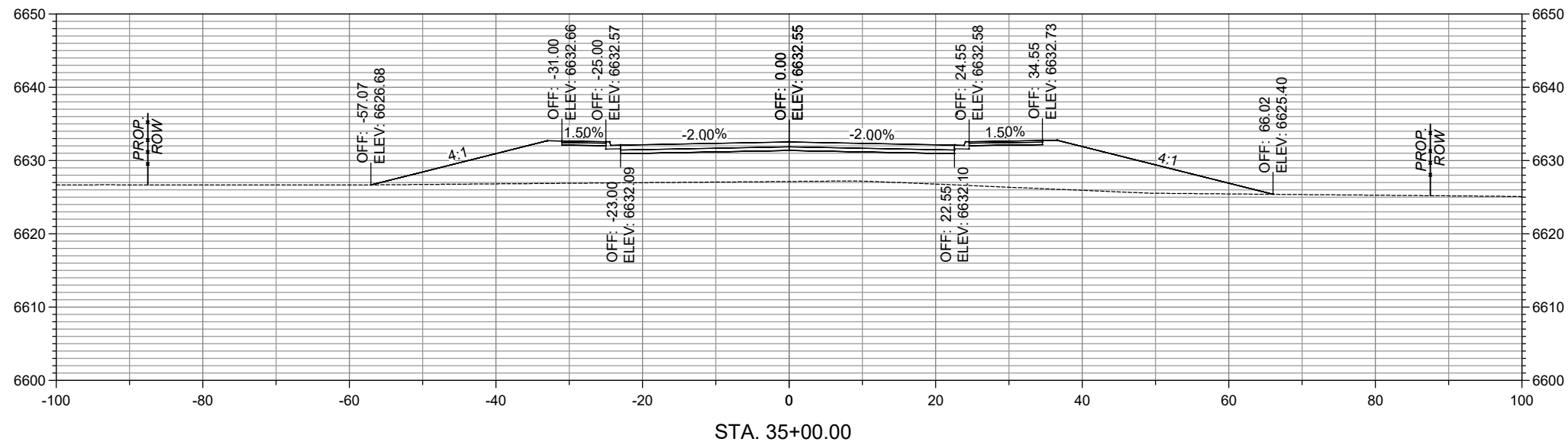
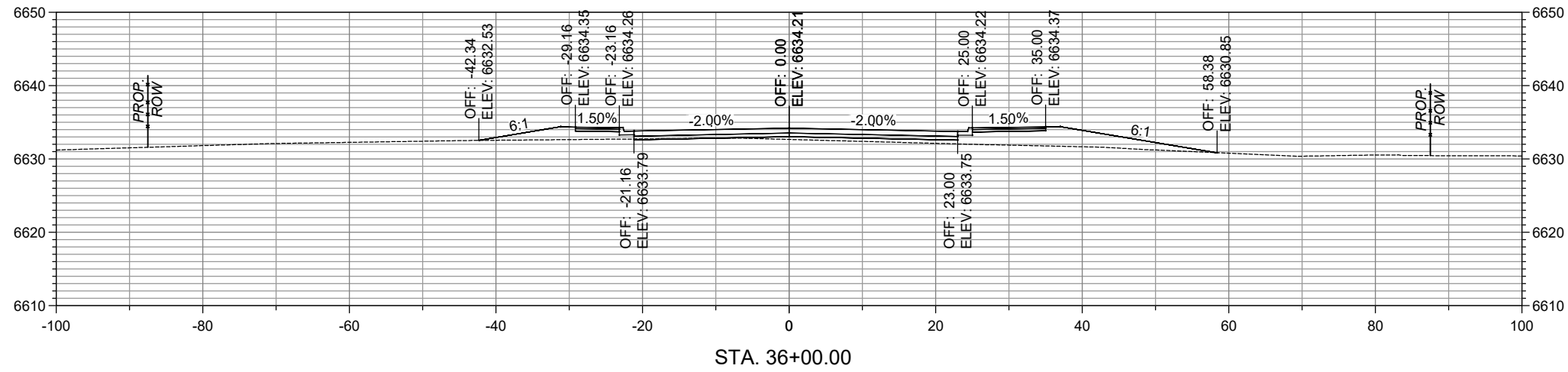
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

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ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY



ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

STATION RANGE: 11+00.00 THRU 58+00.00

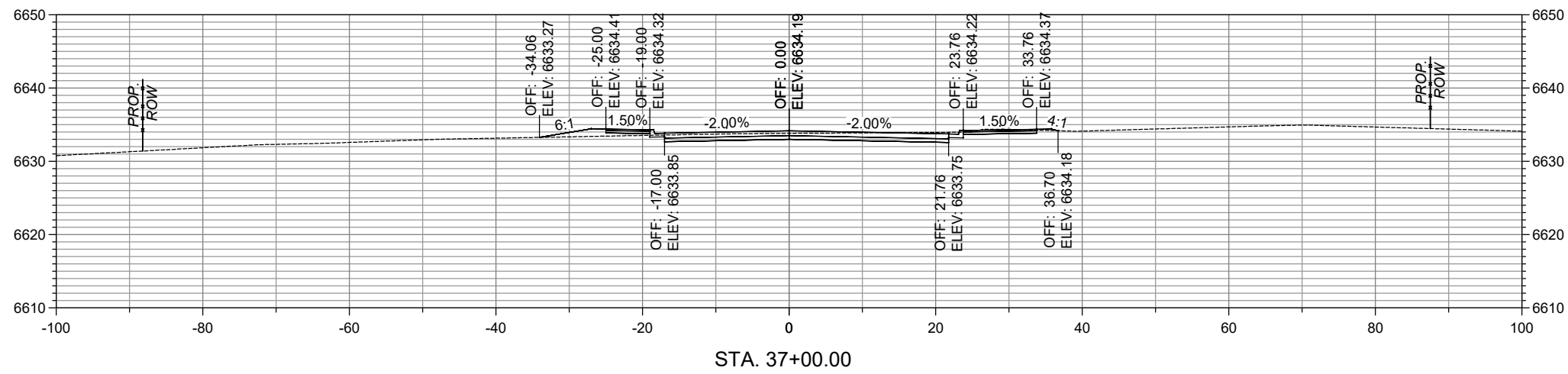
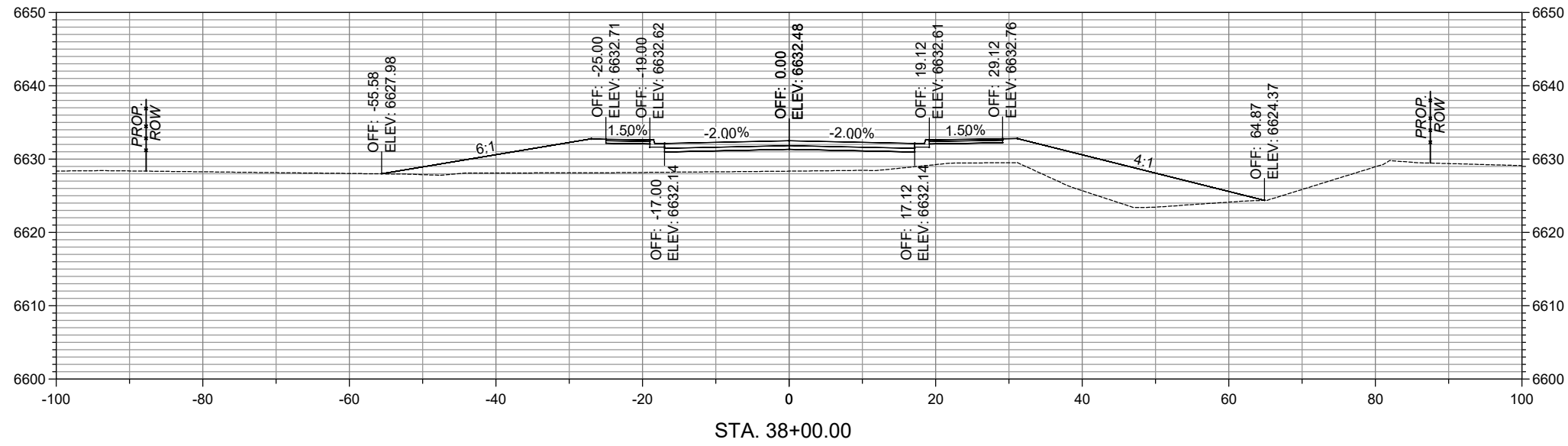
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NOT FOR CONSTRUCTION

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VERTICAL SCALE: 1" = 20'

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ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY





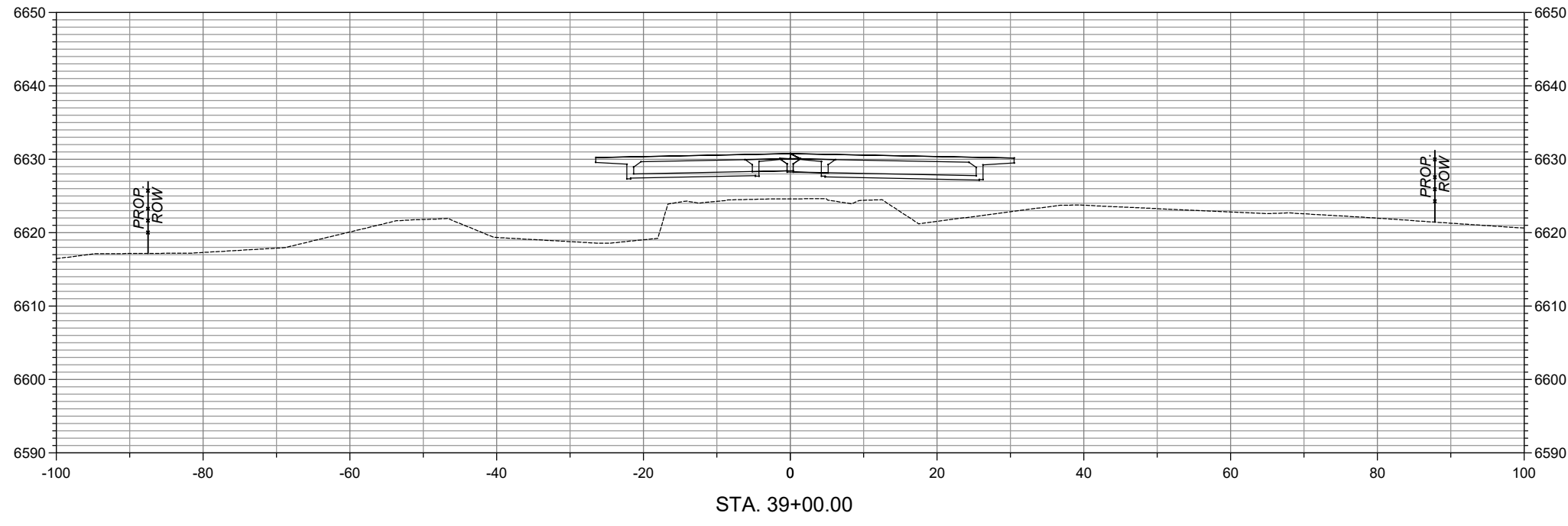
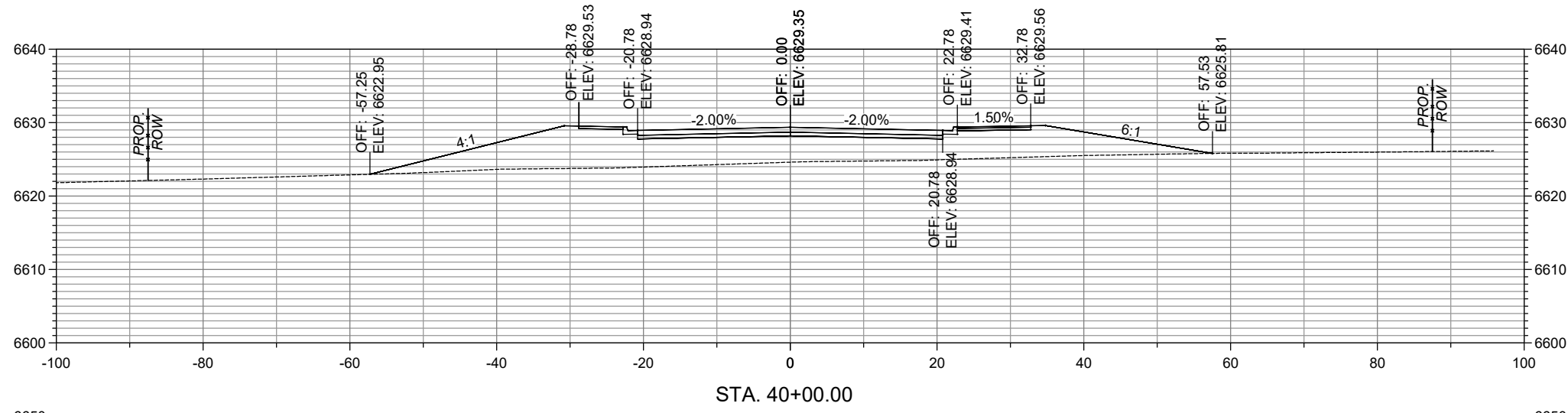
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

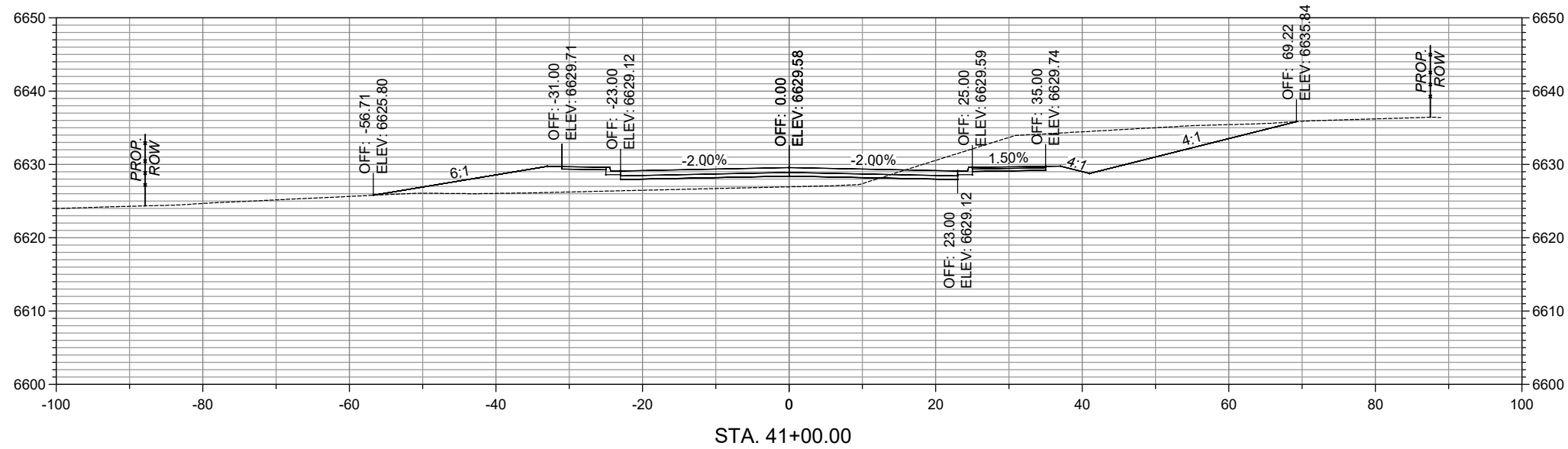
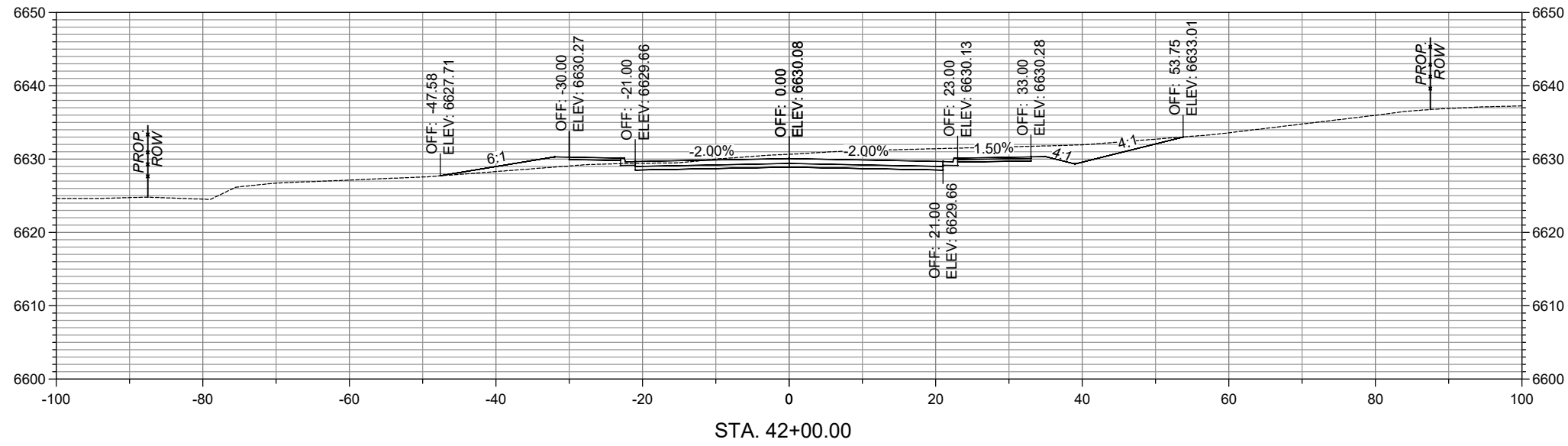
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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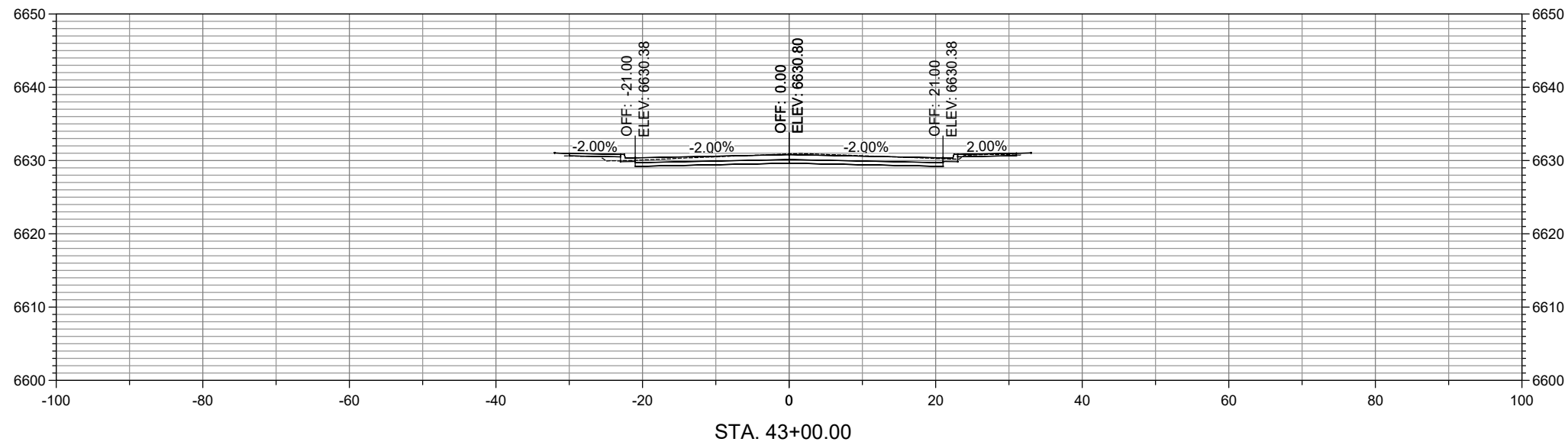
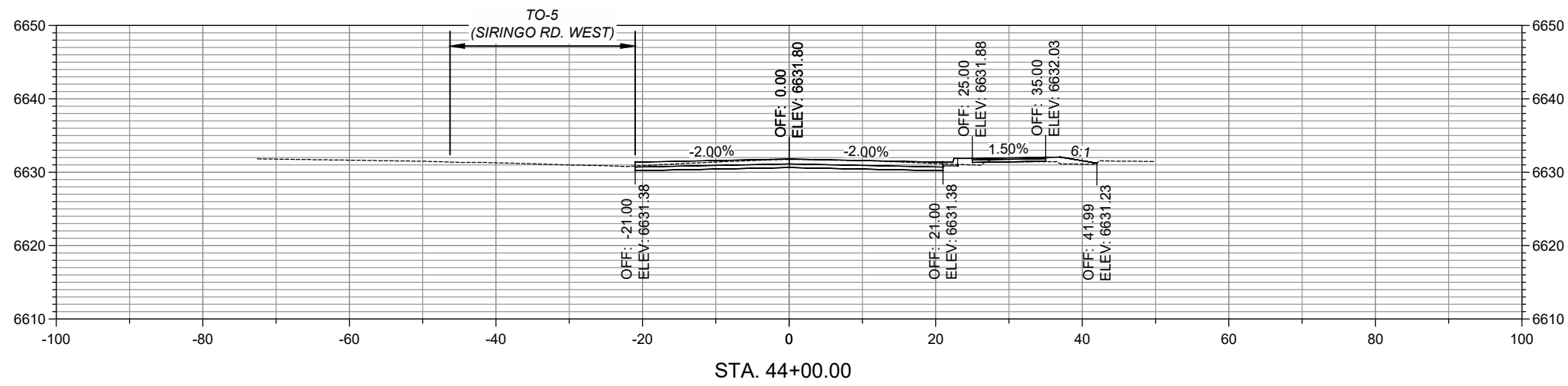
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

STATION RANGE: 11+00.00 THRU 58+00.00

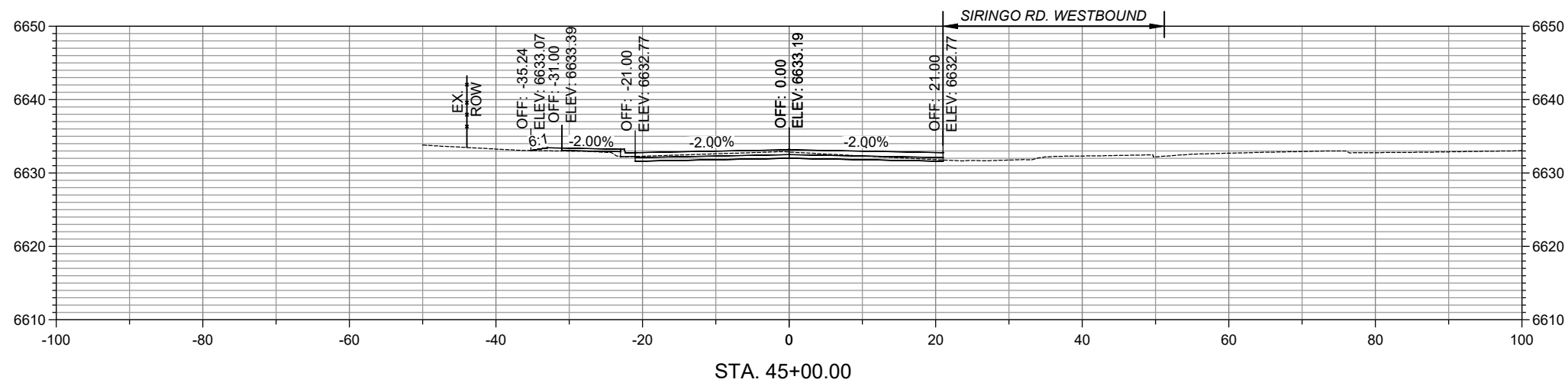
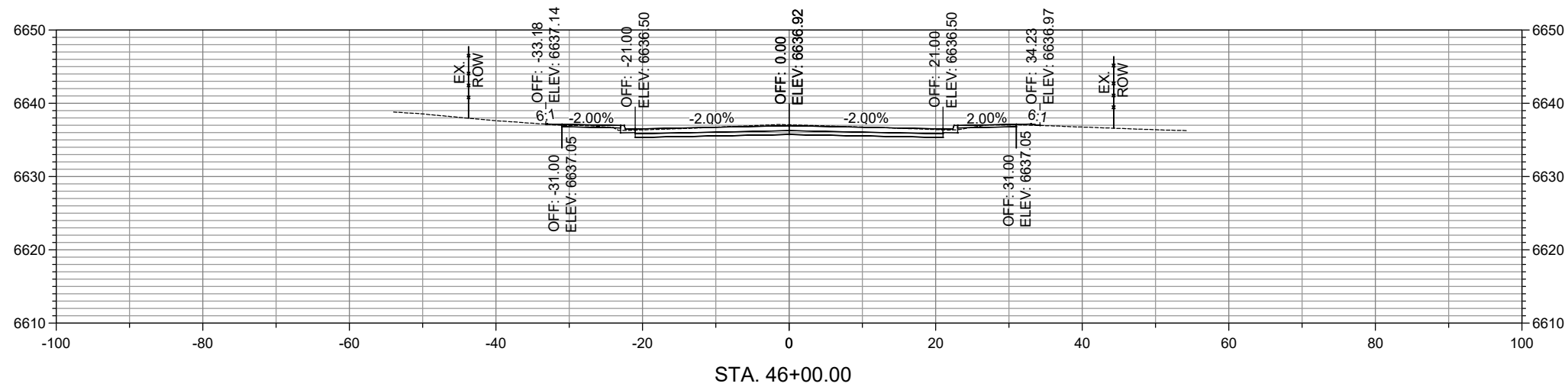
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VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

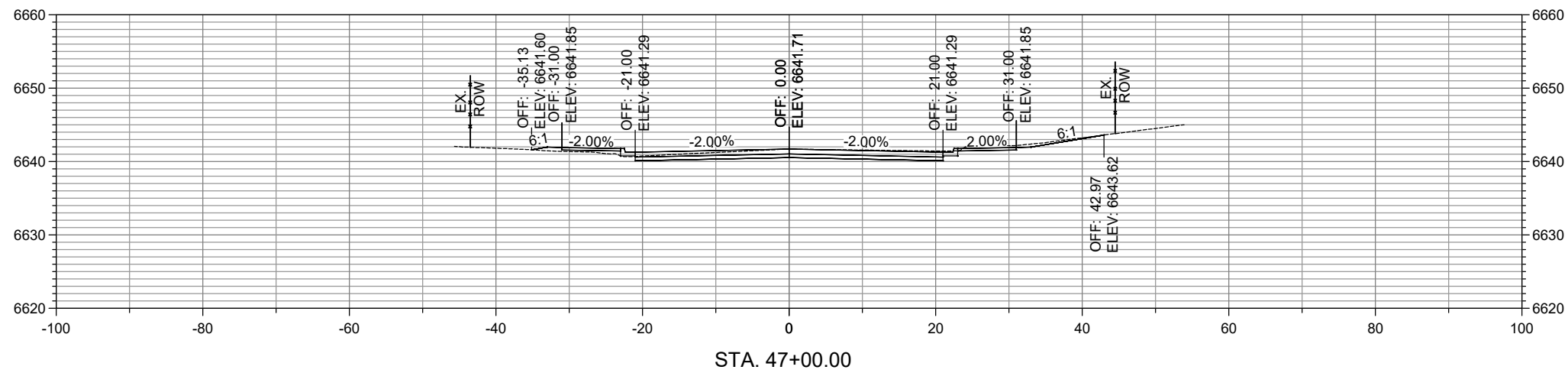
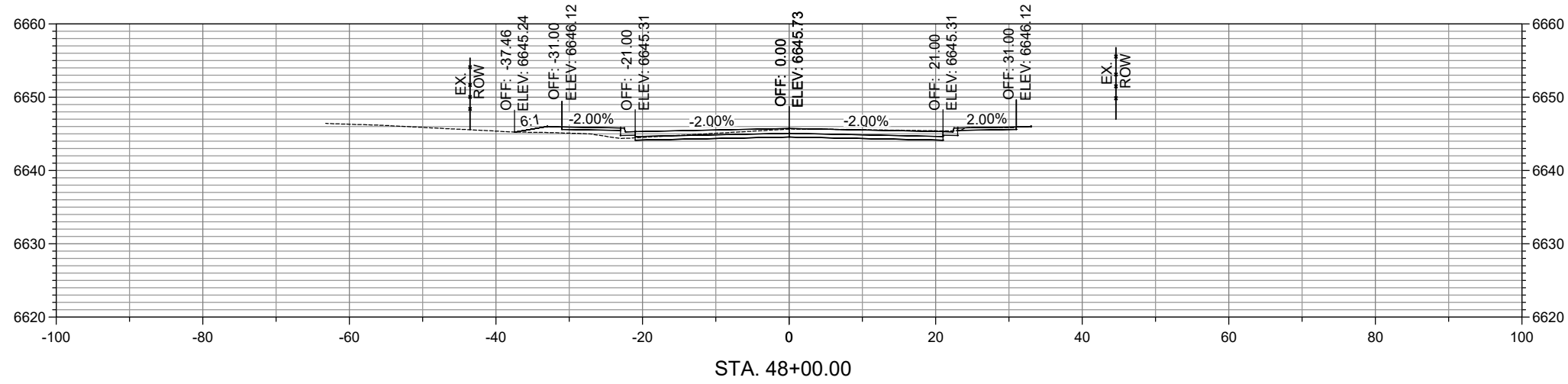
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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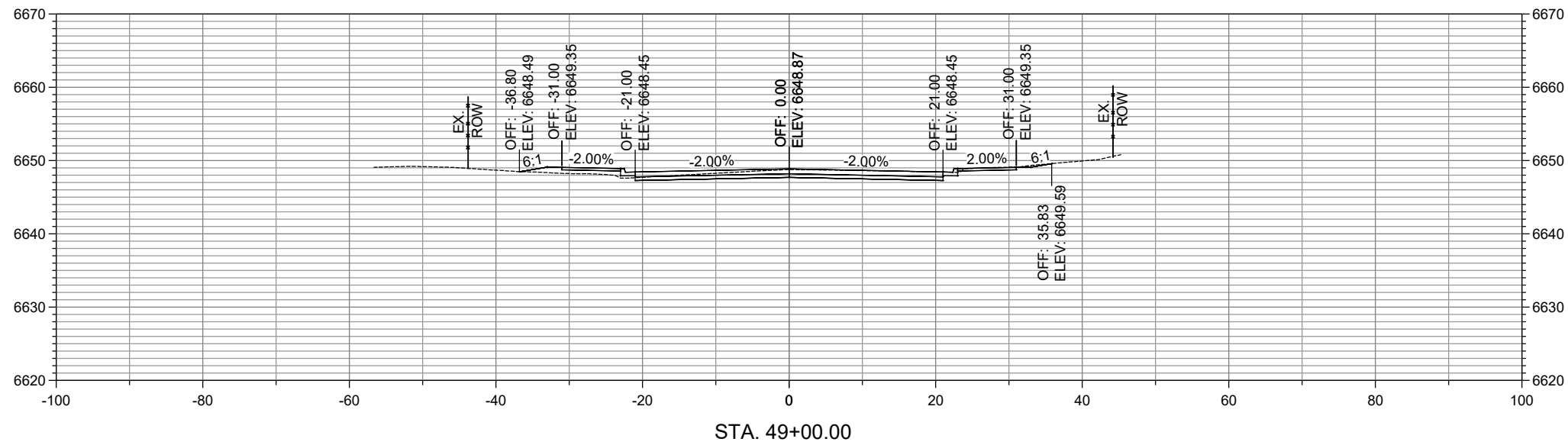
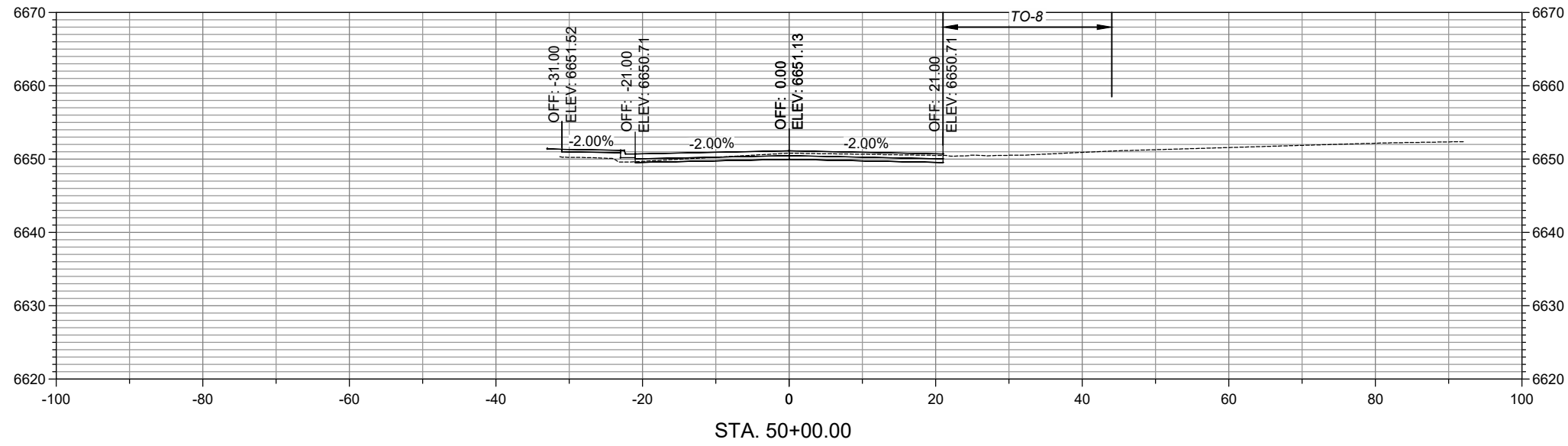
ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY



ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

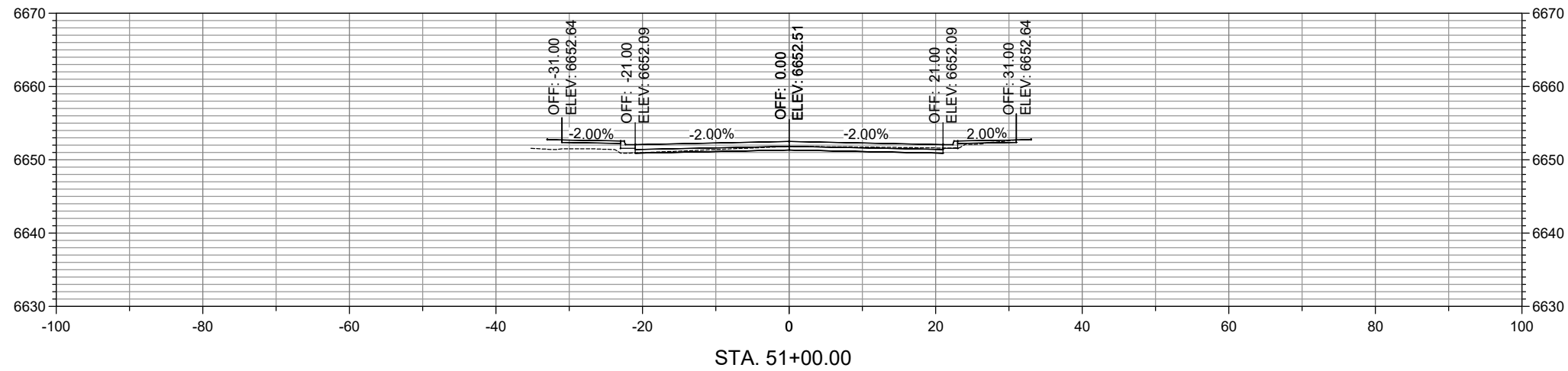
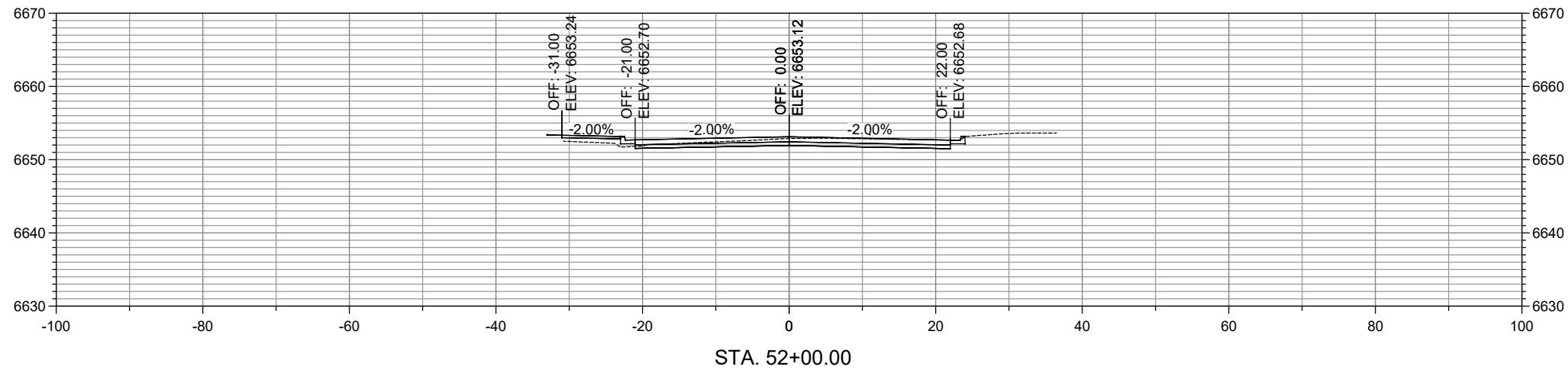
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

STATION RANGE: 11+00.00 THRU 58+00.00

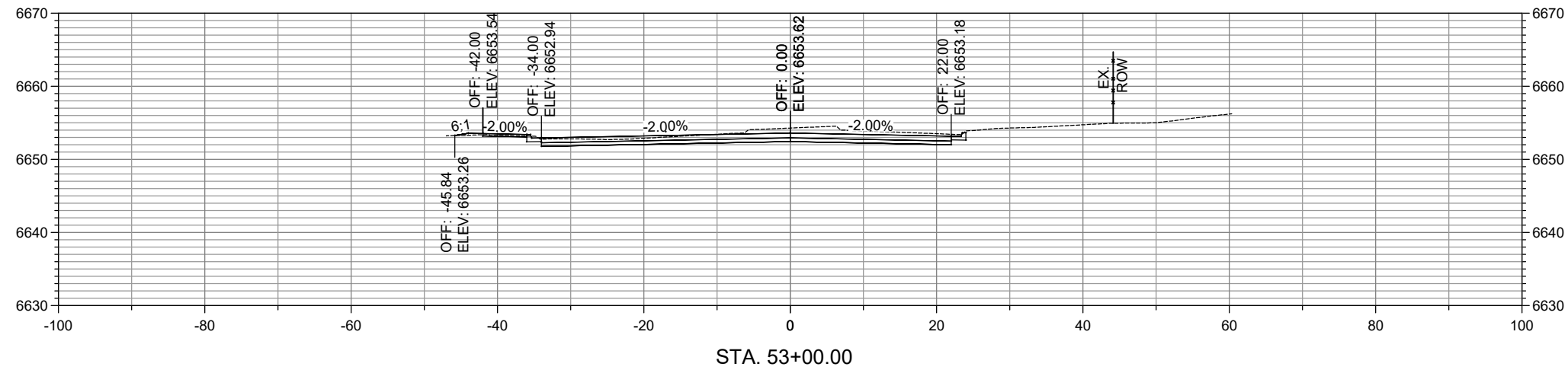
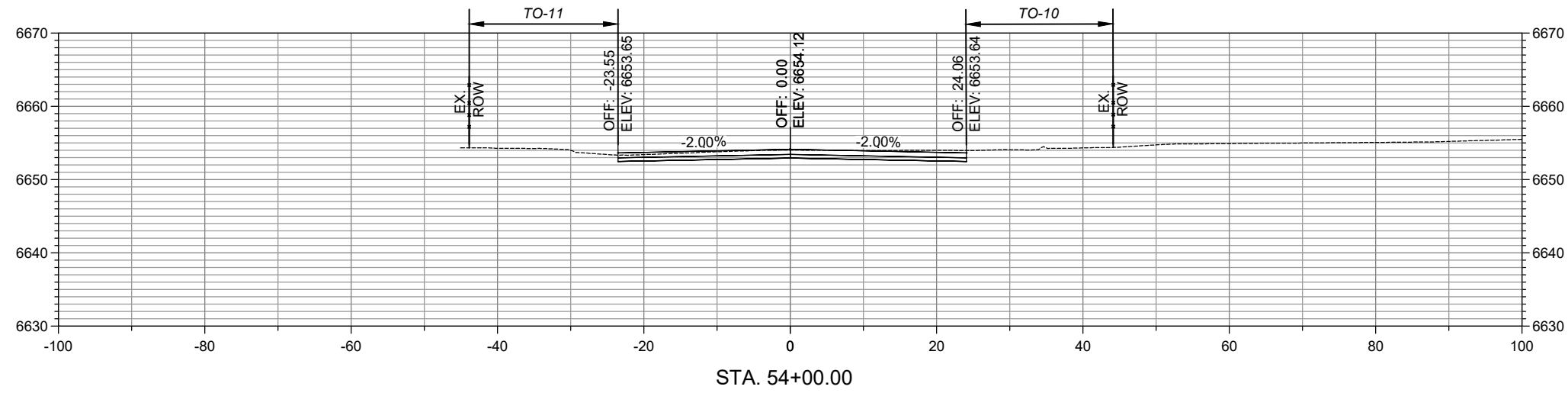
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HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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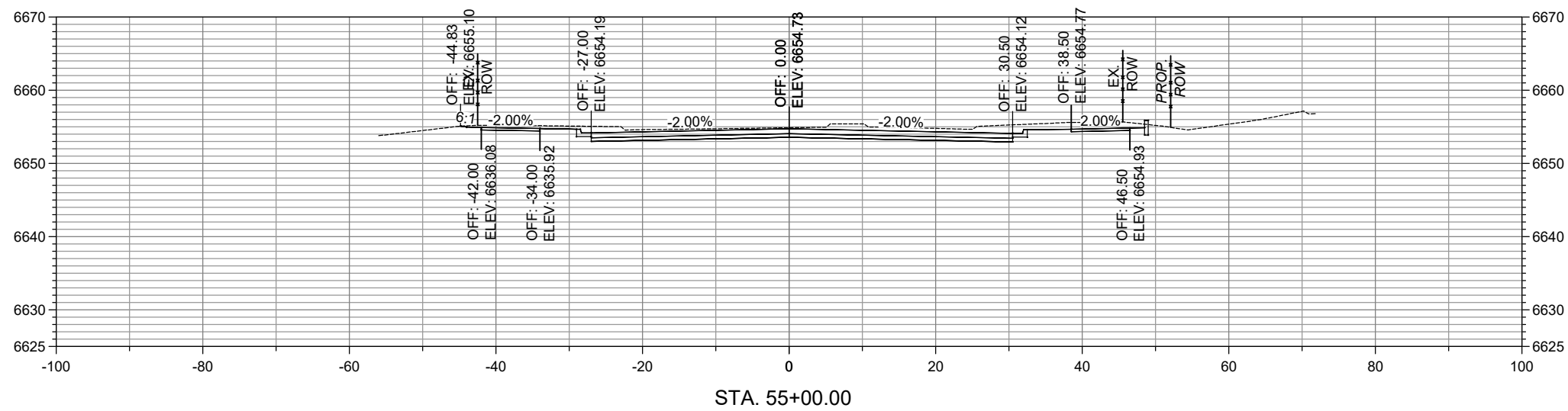
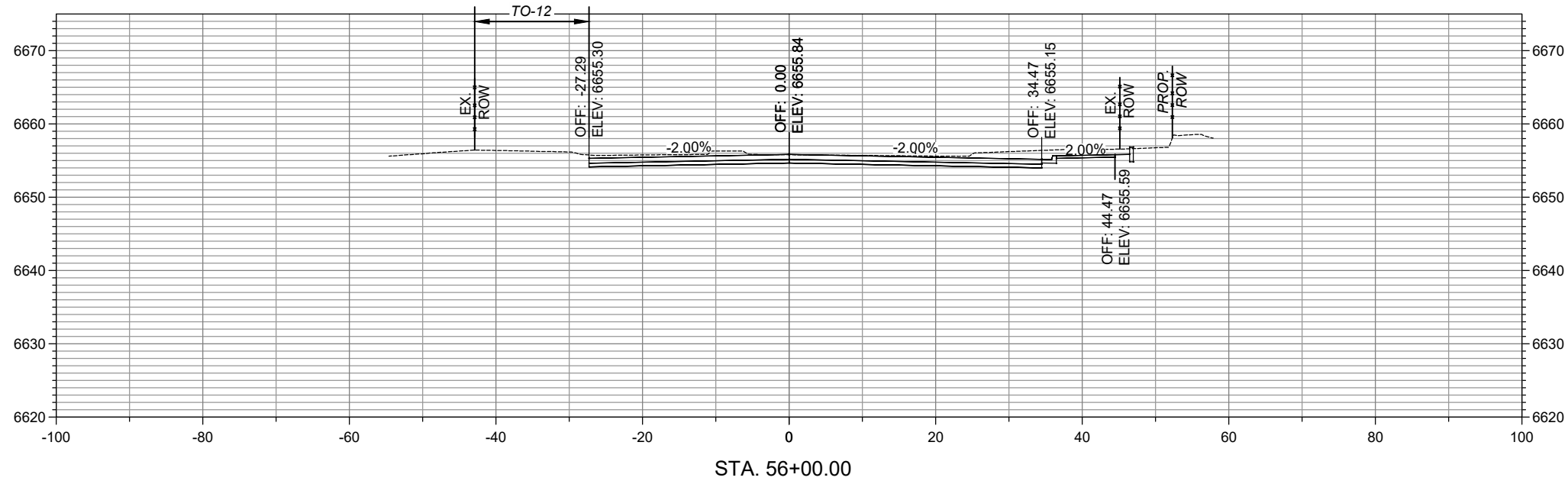


ALIGNMENT: CL CONSTRUCTION RICHARDS AVE. STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY



ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

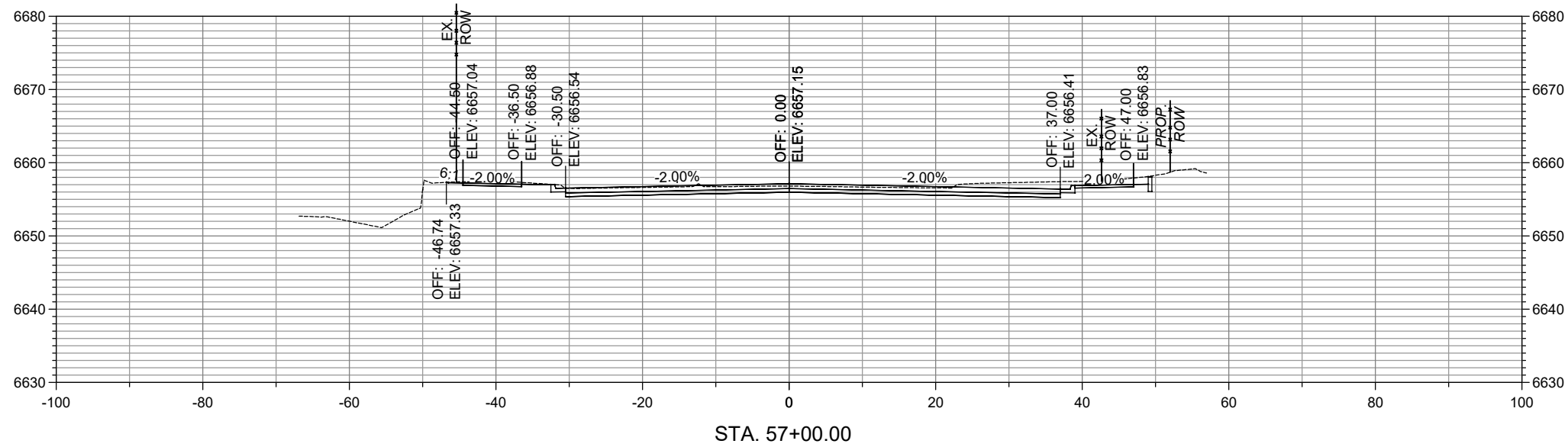
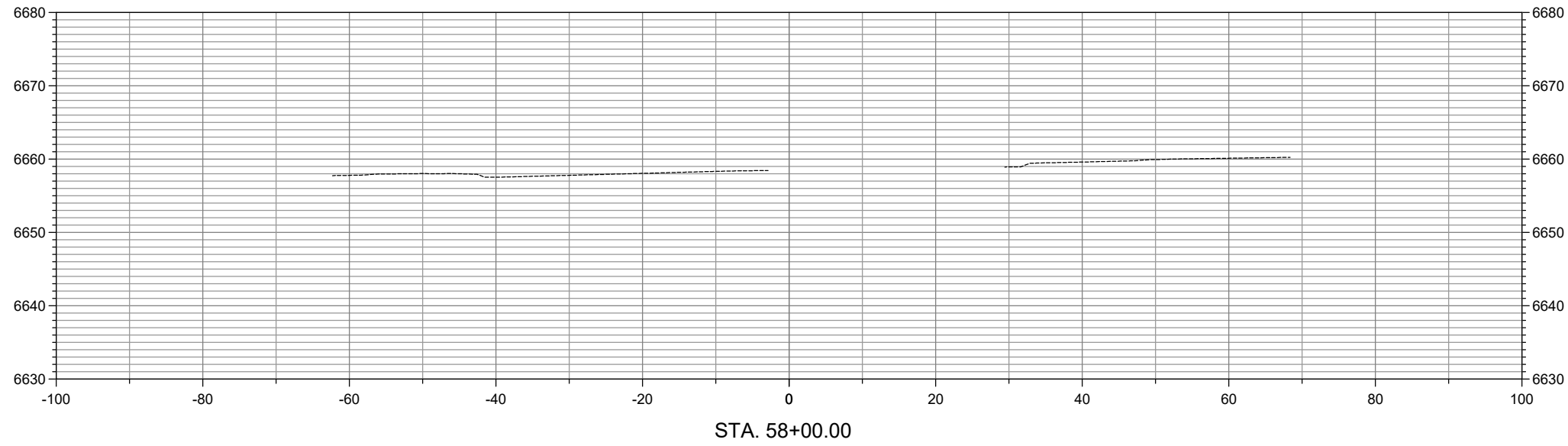
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION RICHARDS AVE.

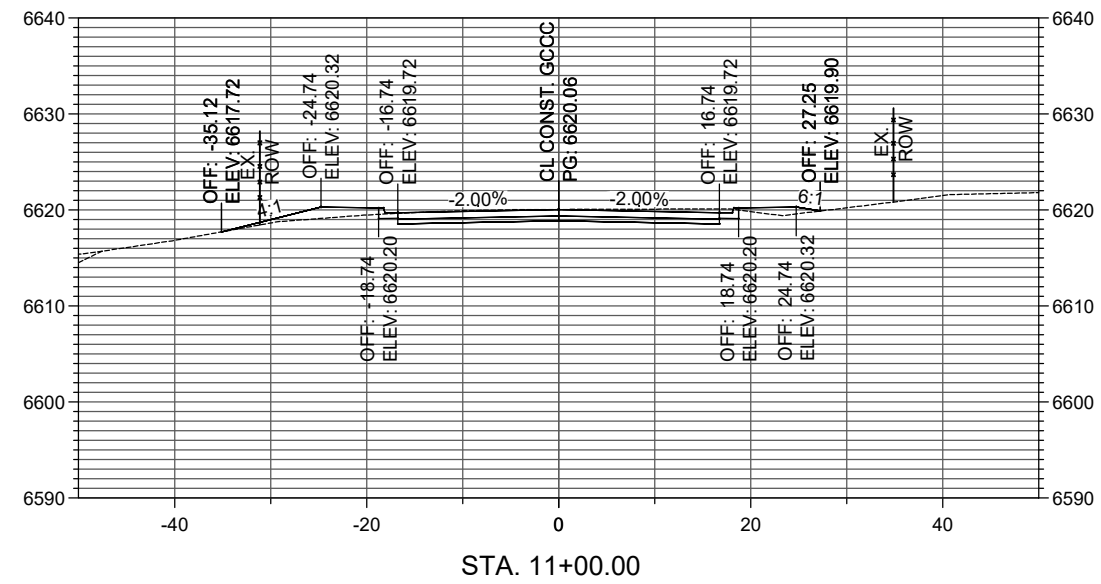
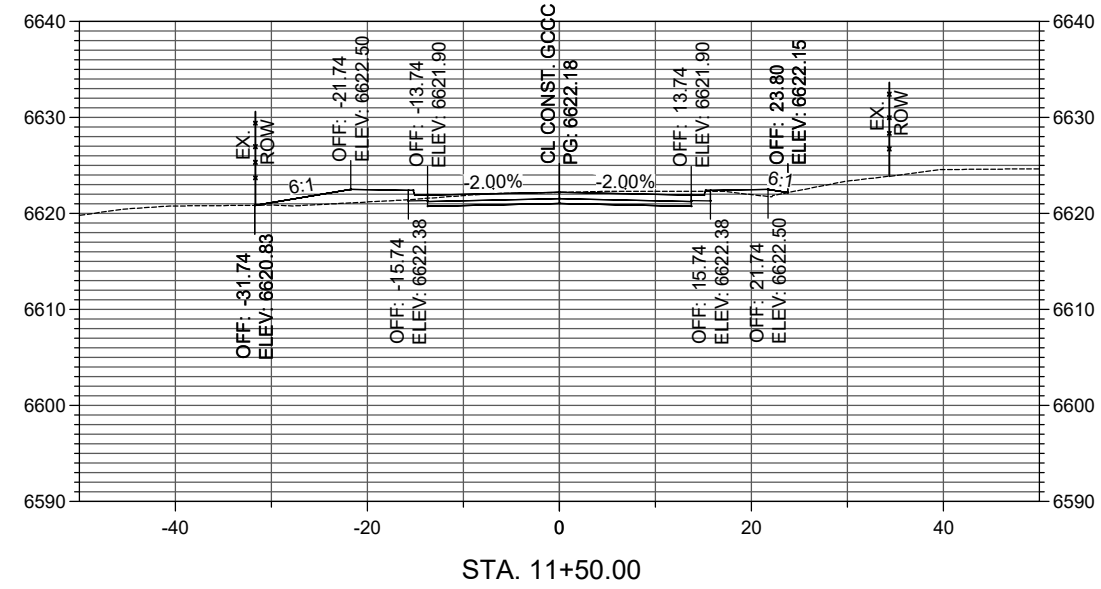
STATION RANGE: 11+00.00 THRU 58+00.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
RICHARDS AVE. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION GCCC RD.

STATION RANGE: 11+00.00 THRU 14+67.00

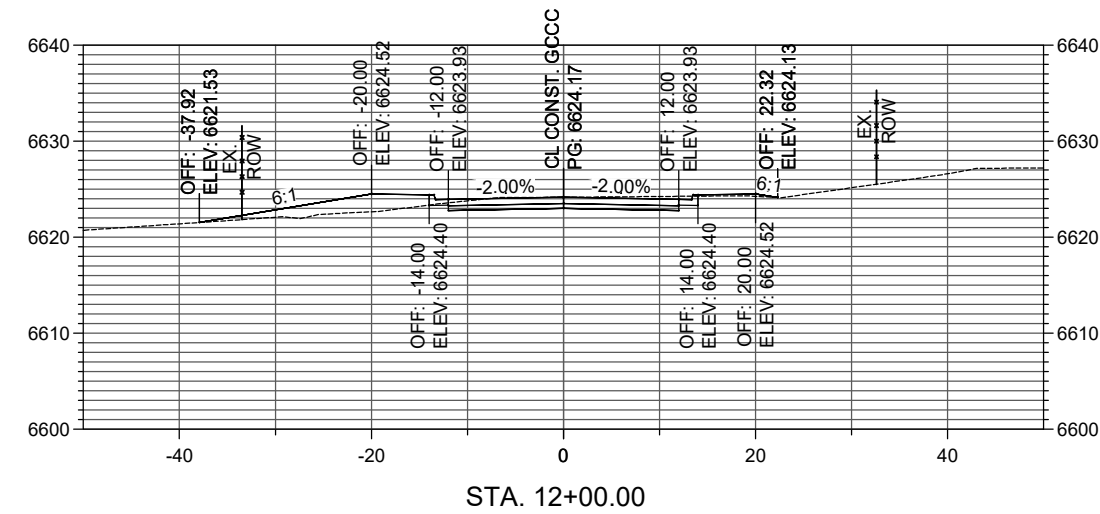
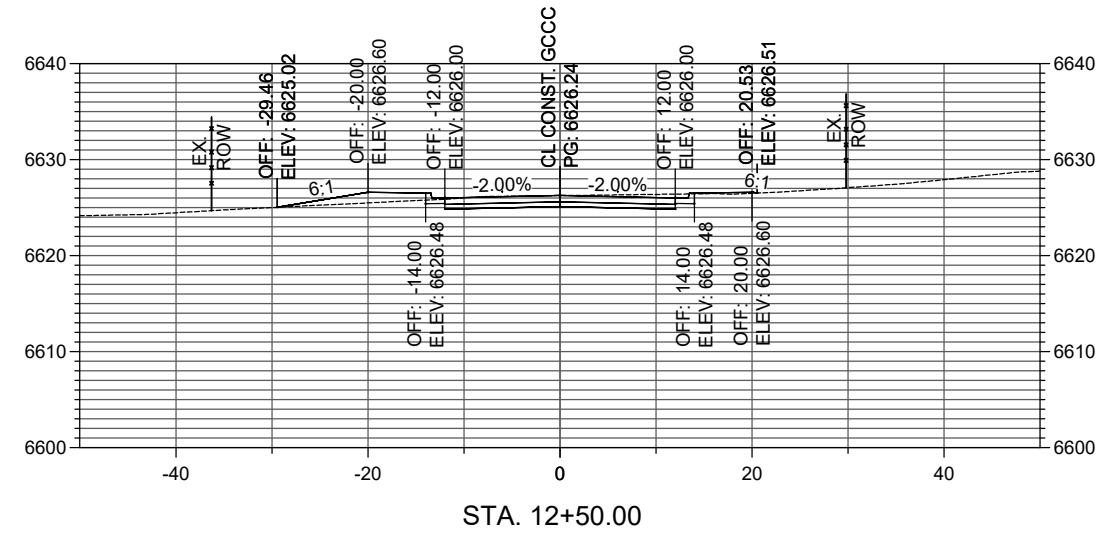
30% DESIGN  
NOT FOR CONSTRUCTION  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'



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ARROYO DE LOS CHAMISOS CROSSING  
GCCC RD. CROSS SECTIONS  
FOR INFORMATION ONLY





ALIGNMENT: CL CONSTRUCTION GCCC RD.

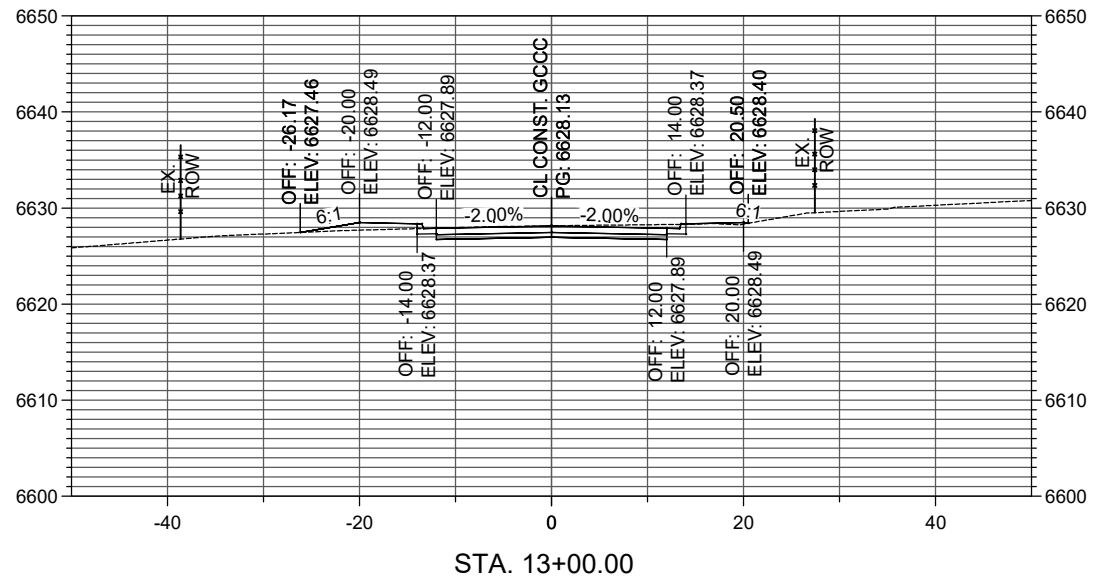
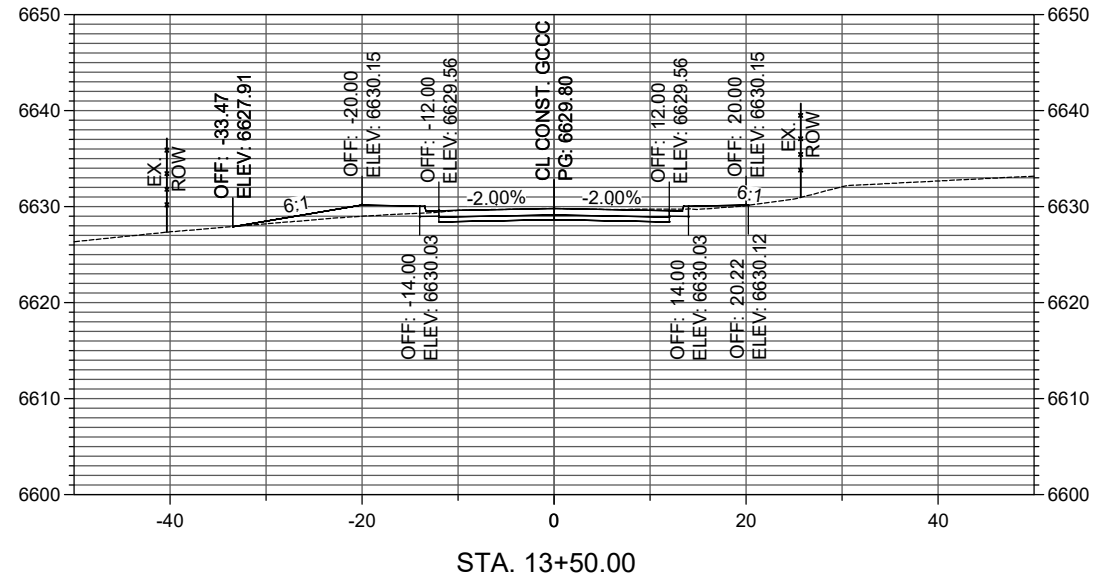
STATION RANGE: 11+00.00 THRU 14+67.00

30% DESIGN  
NOT FOR CONSTRUCTION

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

ARROYO DE LOS CHAMISOS CROSSING  
GCCC RD. CROSS SECTIONS  
FOR INFORMATION ONLY

NO.	DESCRIPTION	DATE	BY
4			
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ALIGNMENT: CL CONSTRUCTION GCCC RD.

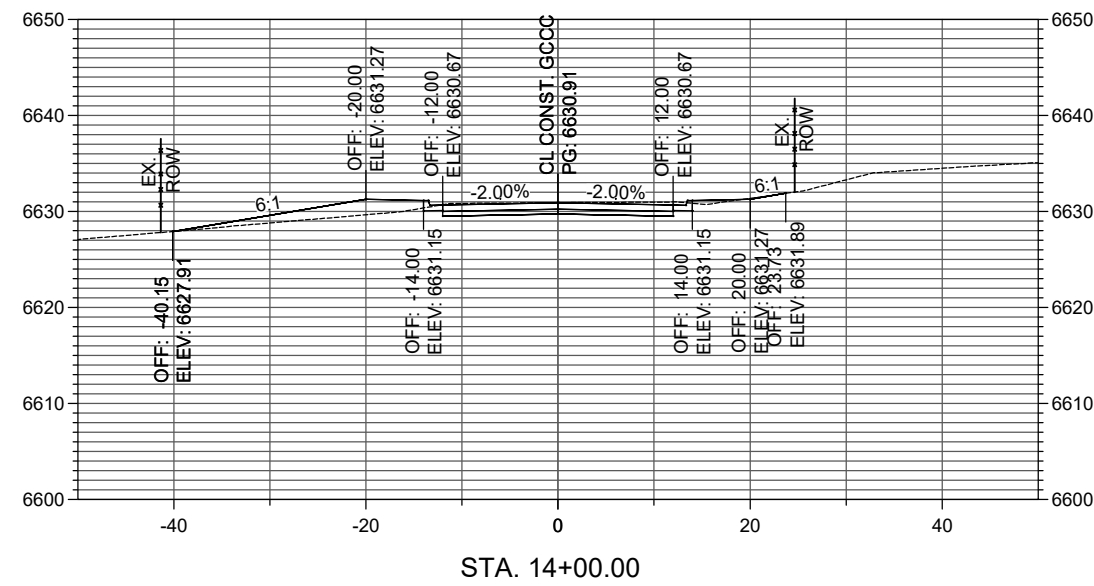
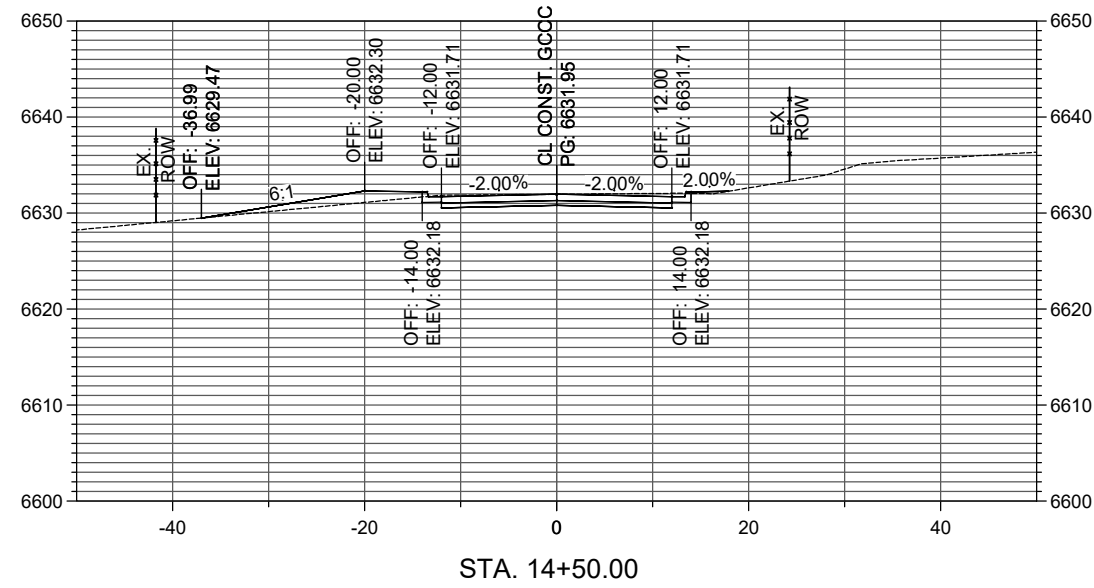
STATION RANGE: 11+00.00 THRU 14+67.00

30% DESIGN  
NOT FOR CONSTRUCTION

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VERTICAL SCALE: 1" = 20'

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NO.	DESCRIPTION	DATE	BY
4			
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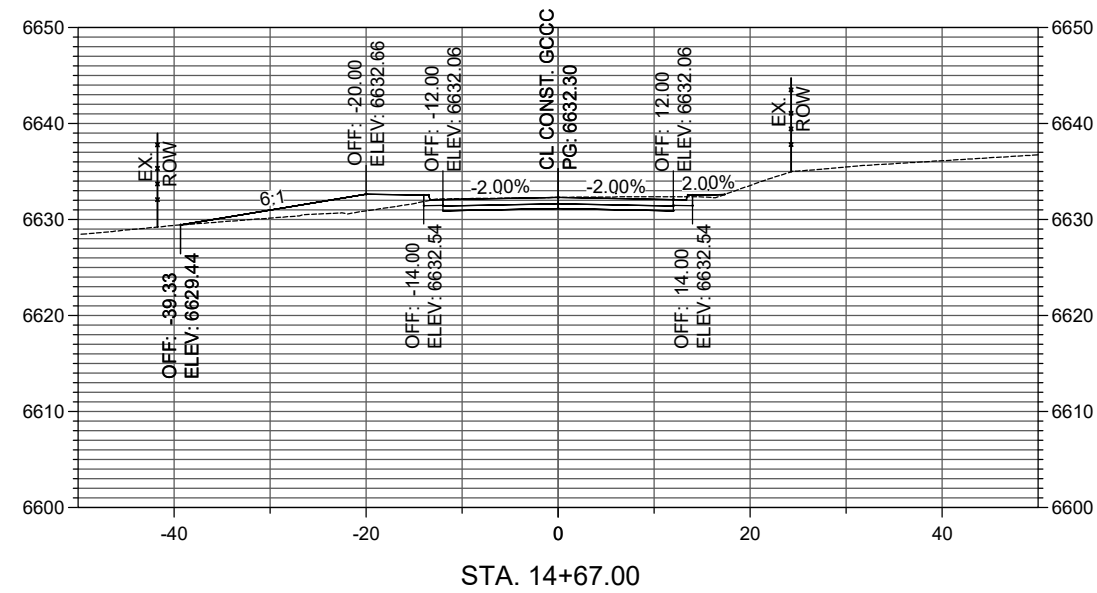
NO.	DESCRIPTION	DATE	BY
4			
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ARROYO DE LOS CHAMISOS CROSSING  
GCCC RD. CROSS SECTIONS  
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30% DESIGN  
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ALIGNMENT: CL CONSTRUCTION GCCC RD. STATION RANGE: 11+00.00 THRU 14+67.00

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'



ALIGNMENT: CL CONSTRUCTION GCCC RD.

STATION RANGE: 11+00.00 THRU 14+67.00

30% DESIGN  
NOT FOR CONSTRUCTION

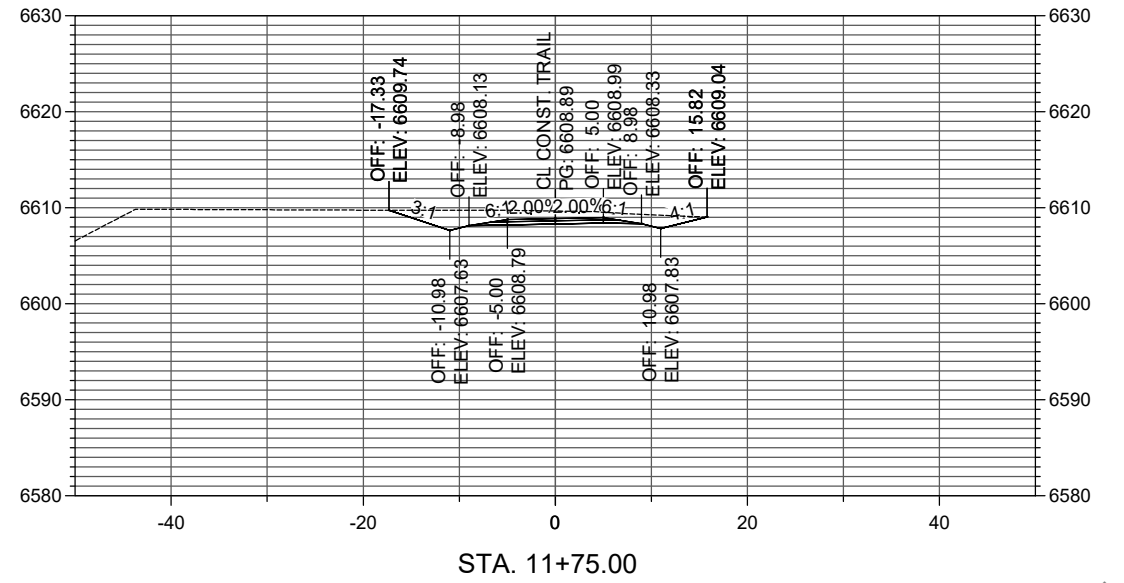
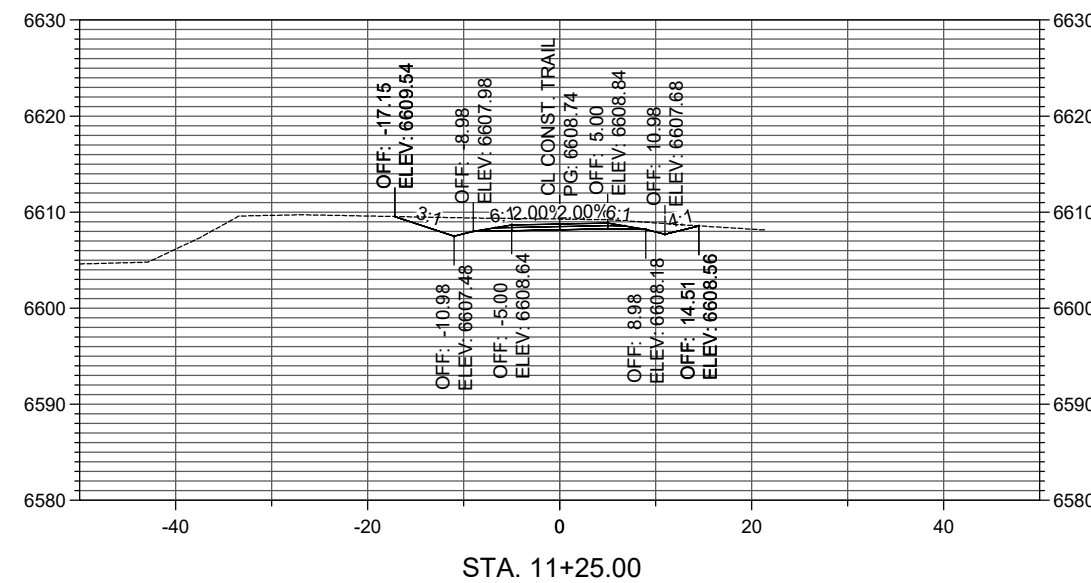
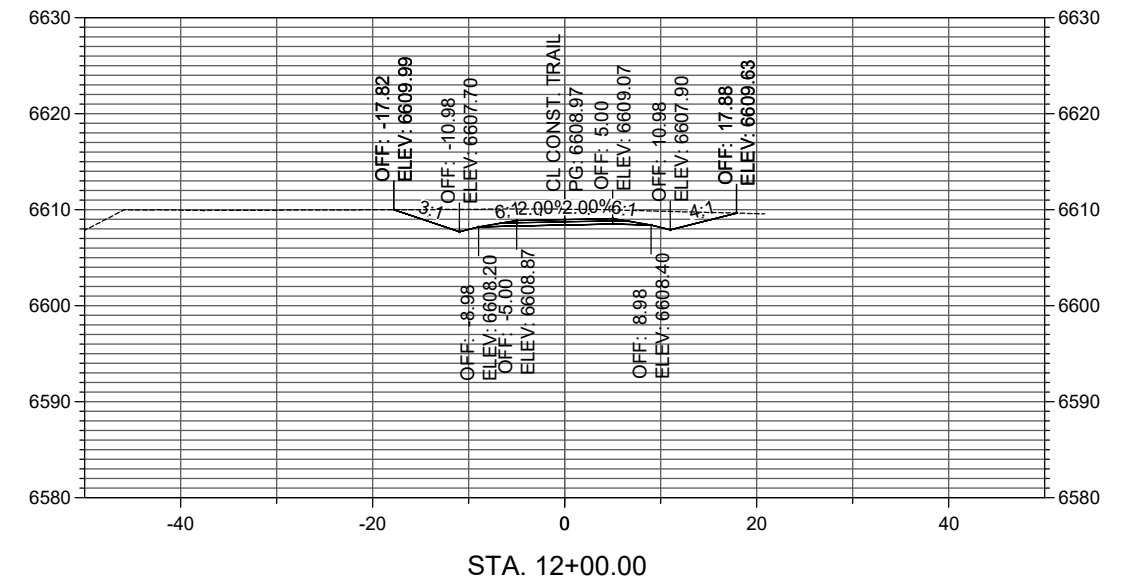
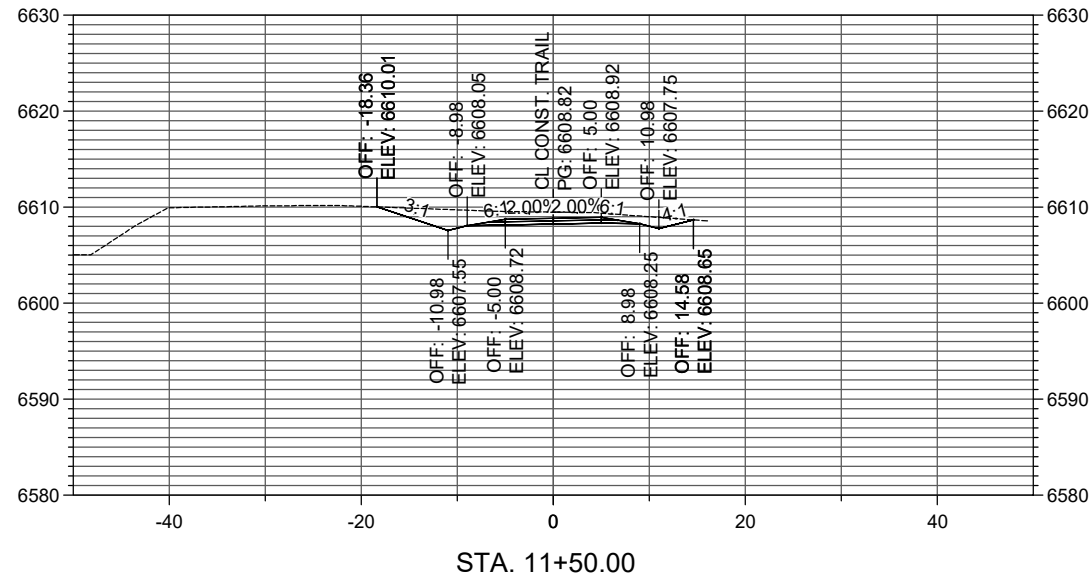
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'

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GCCC RD. CROSS SECTIONS  
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NO.	DESCRIPTION	DATE	BY
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ALIGNMENT: CL CONSTRUCTION TRAIL STATION RANGE: 11+25.00 THRU 16+50.00

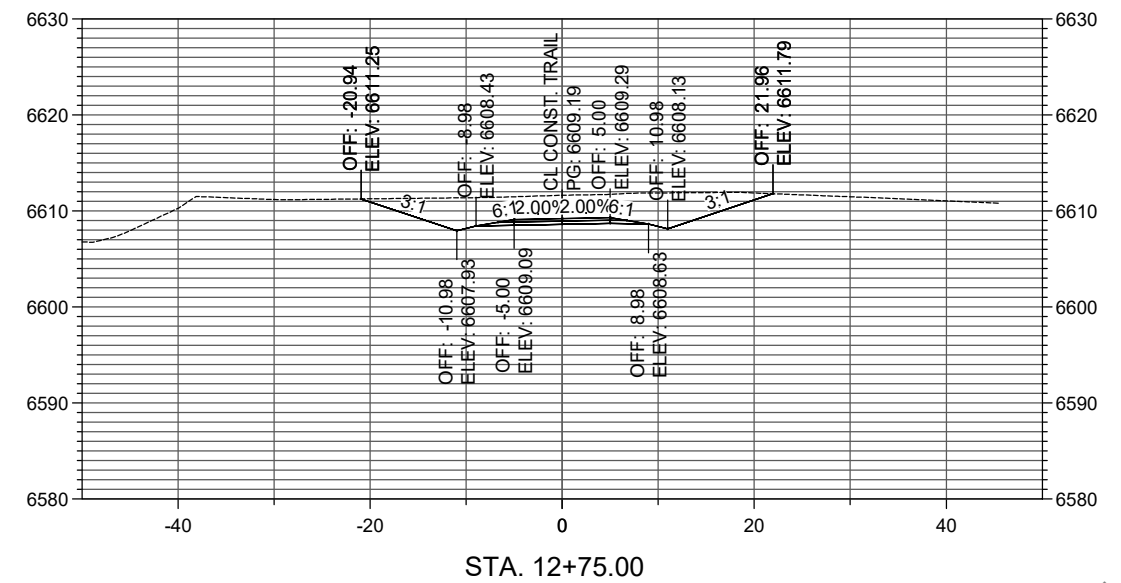
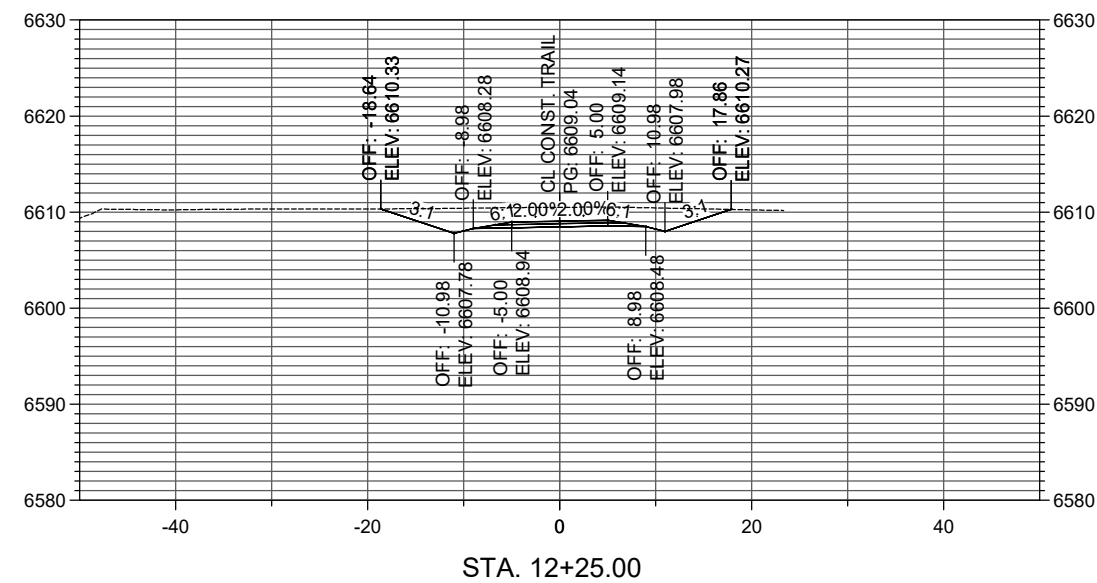
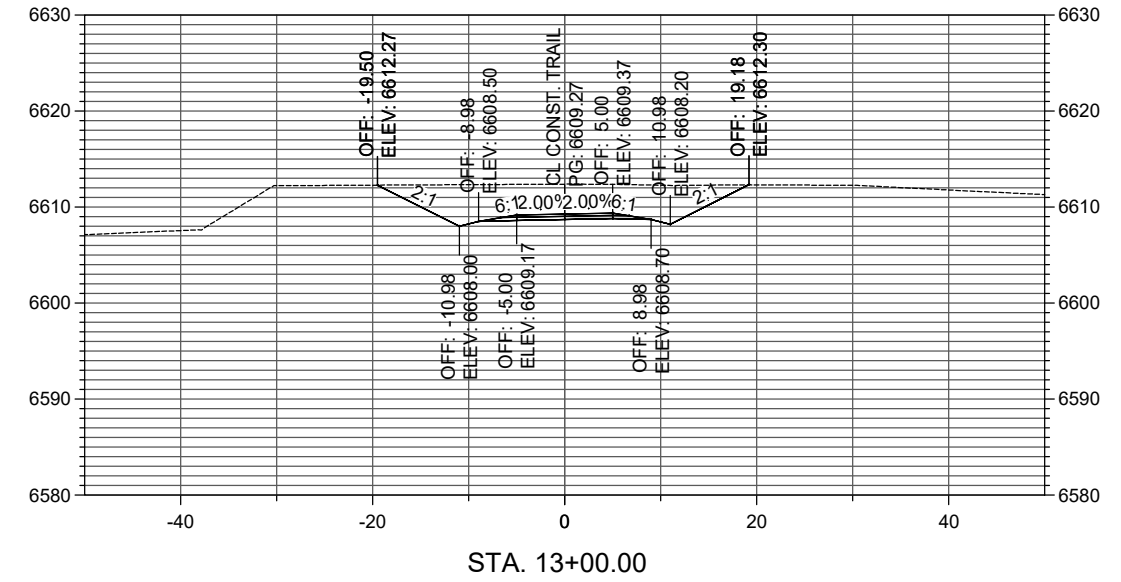
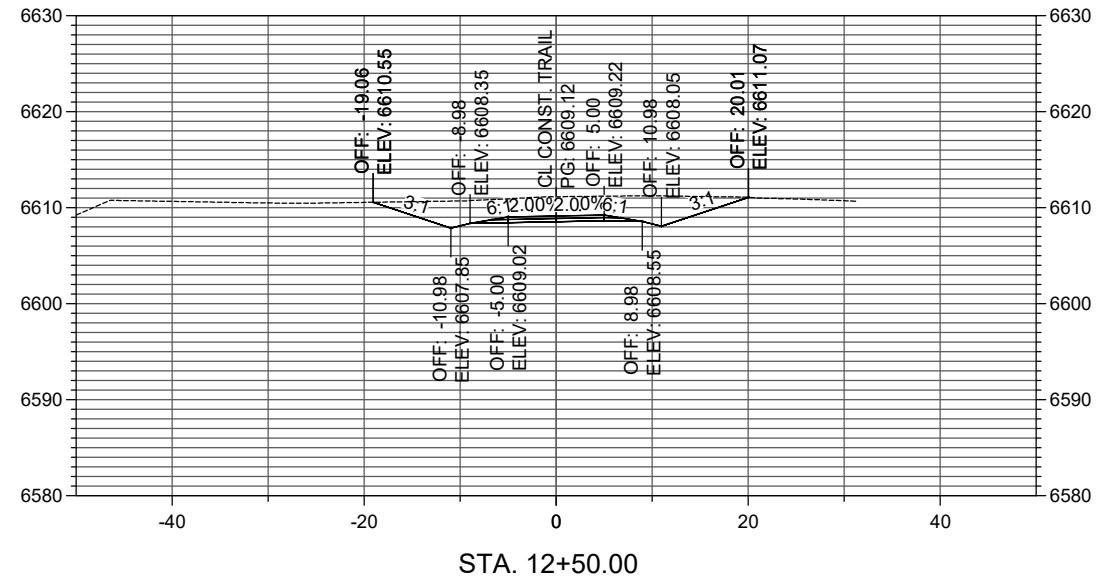
30% DESIGN  
NOT FOR CONSTRUCTION  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'



NO.	DESCRIPTION	DATE	BY
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ARROYO DE LOS CHAMISOS CROSSING  
MAINLINE TRAIL CROSS SECTIONS  
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ALIGNMENT: CL CONSTRUCTION TRAIL STATION RANGE: 11+25.00 THRU 16+50.00

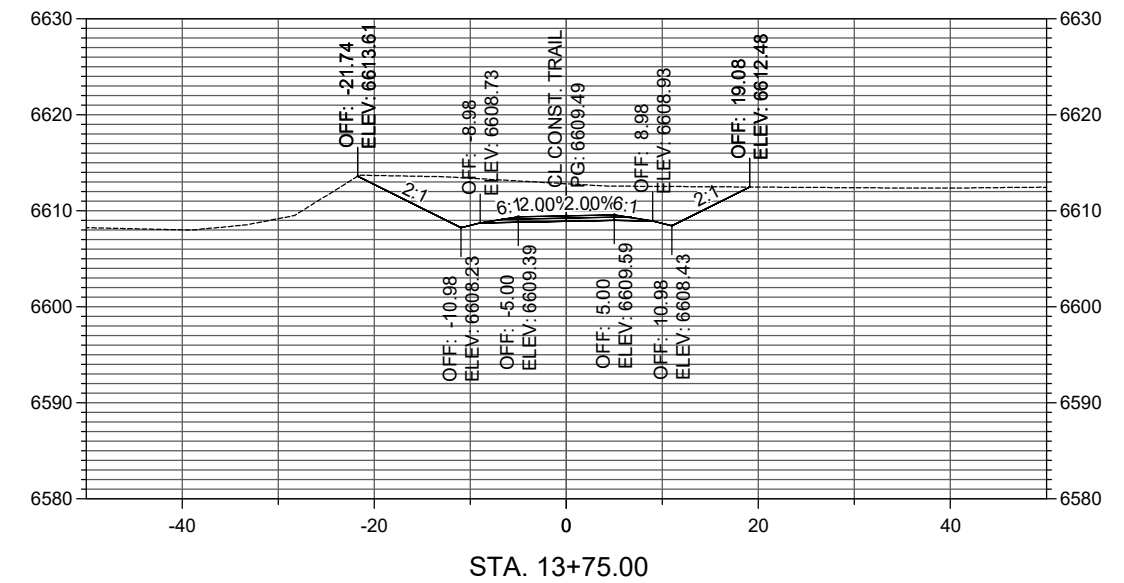
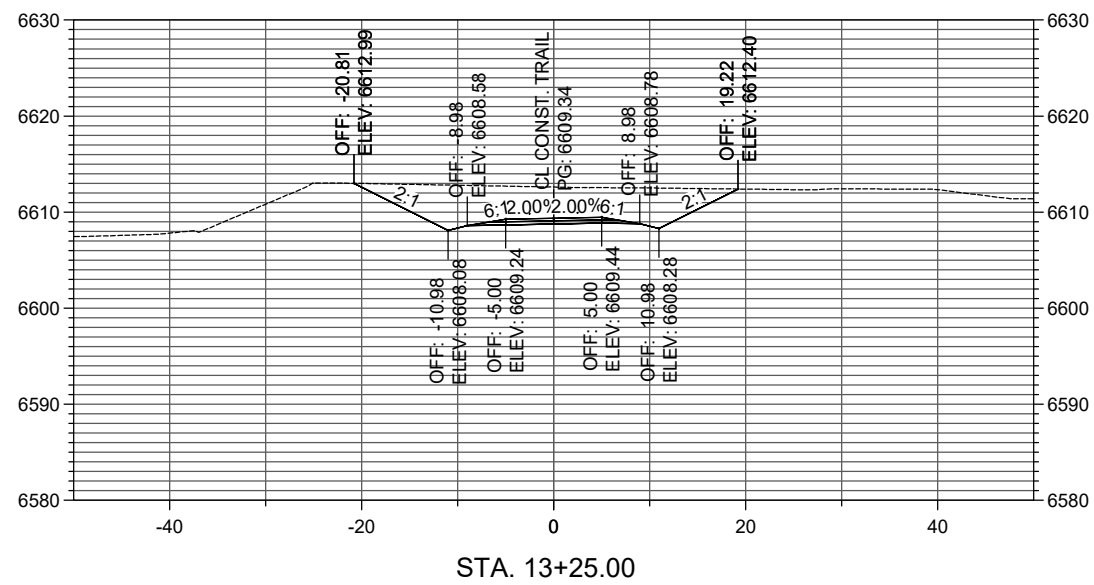
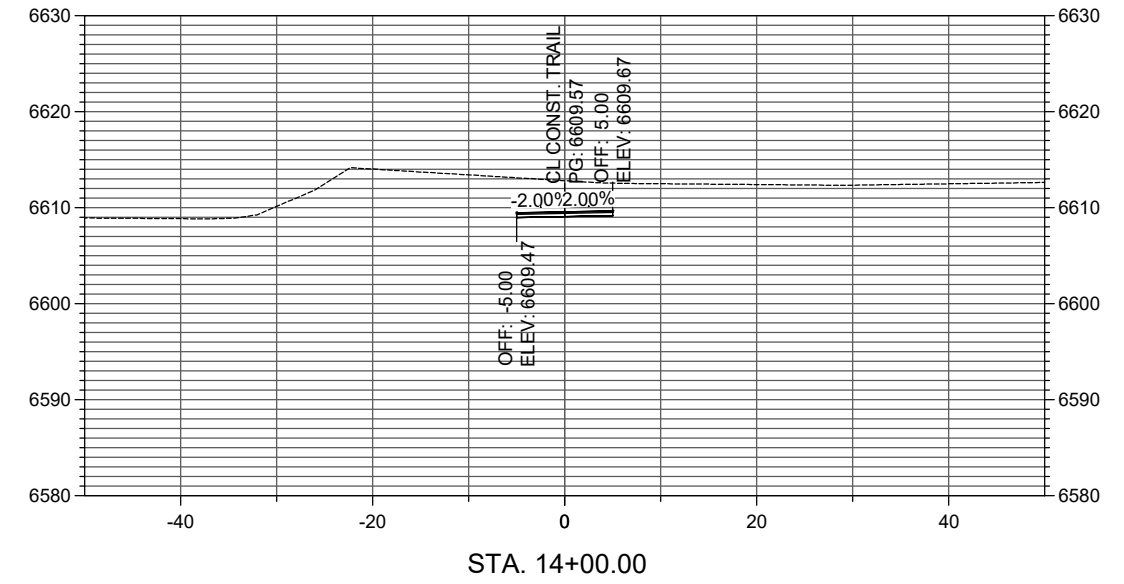
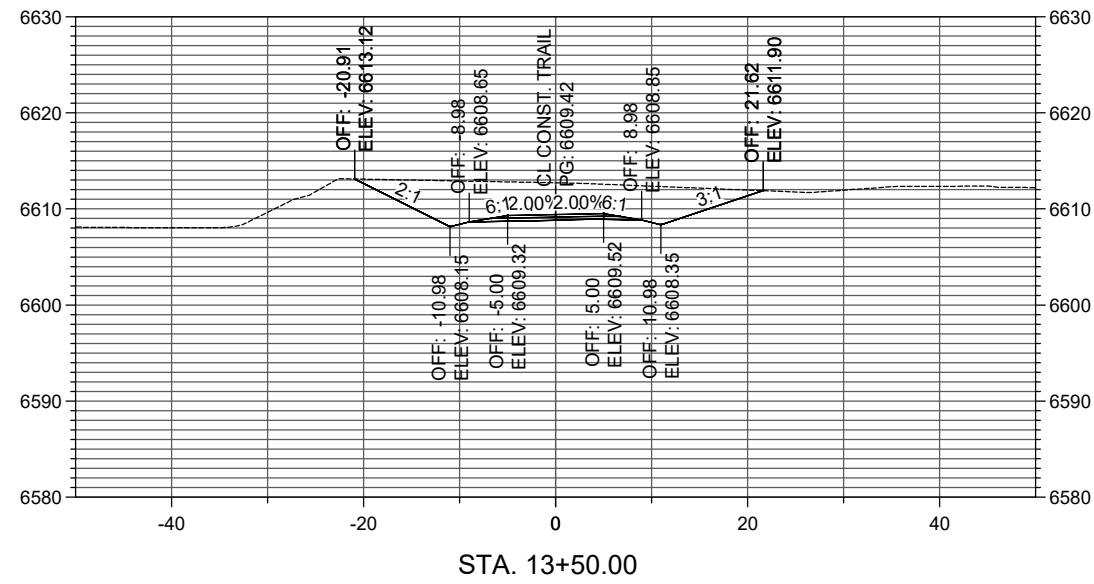
30% DESIGN  
NOT FOR CONSTRUCTION  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 20'



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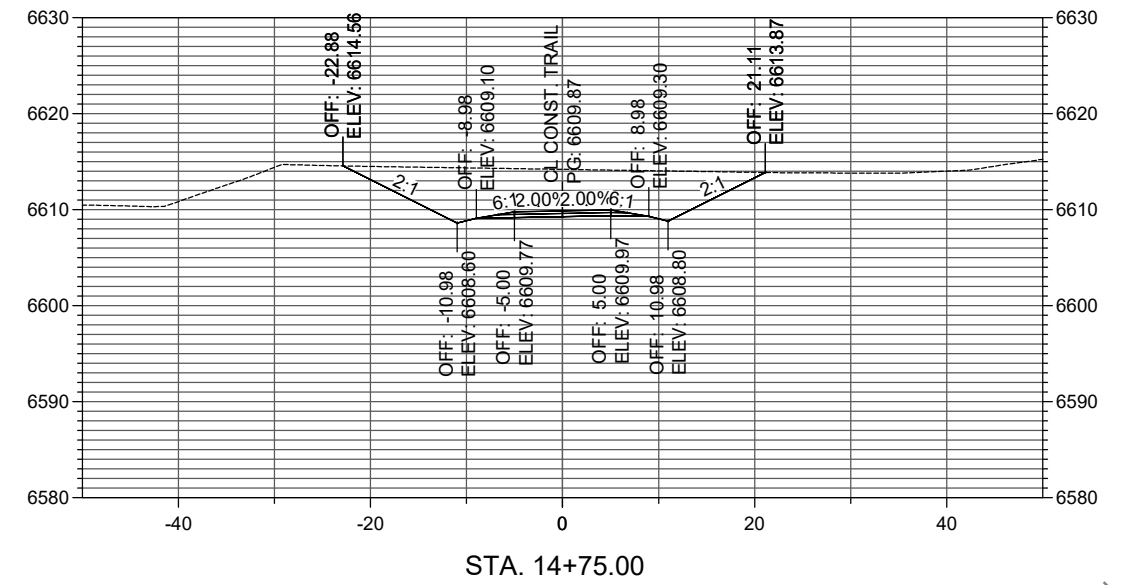
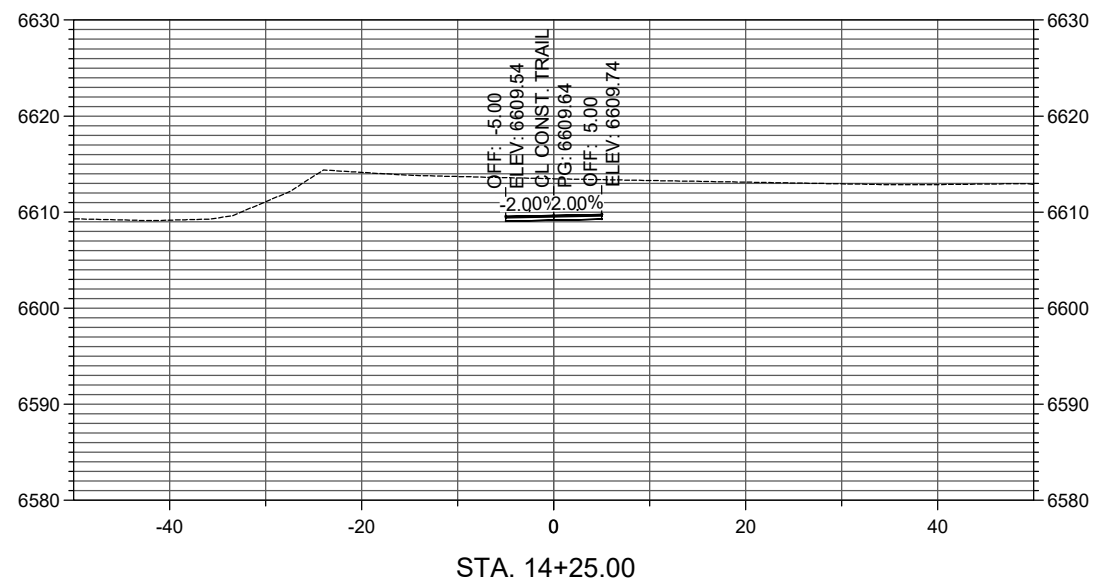
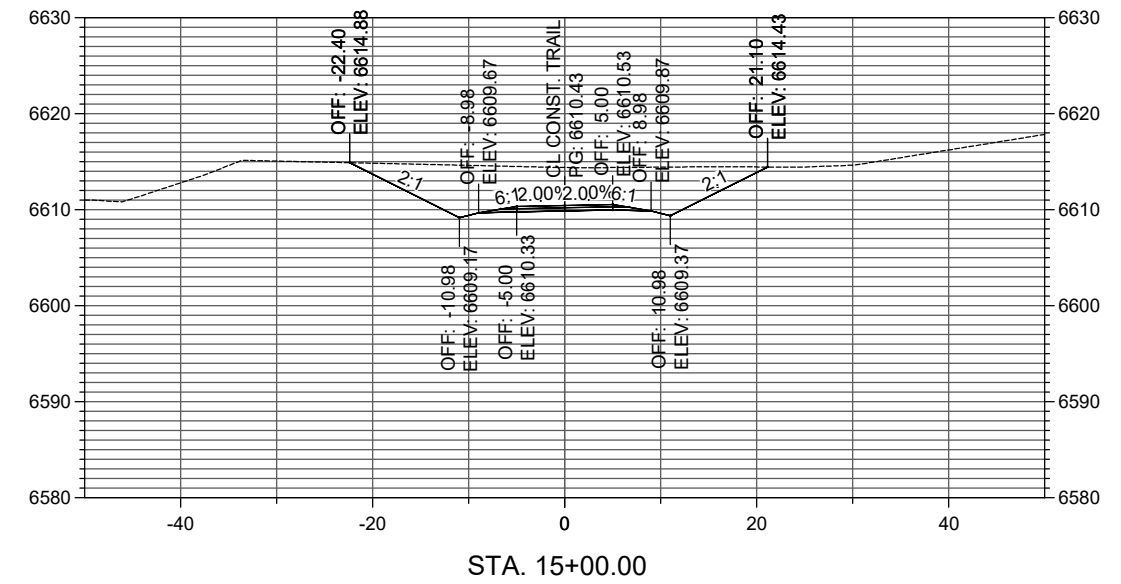
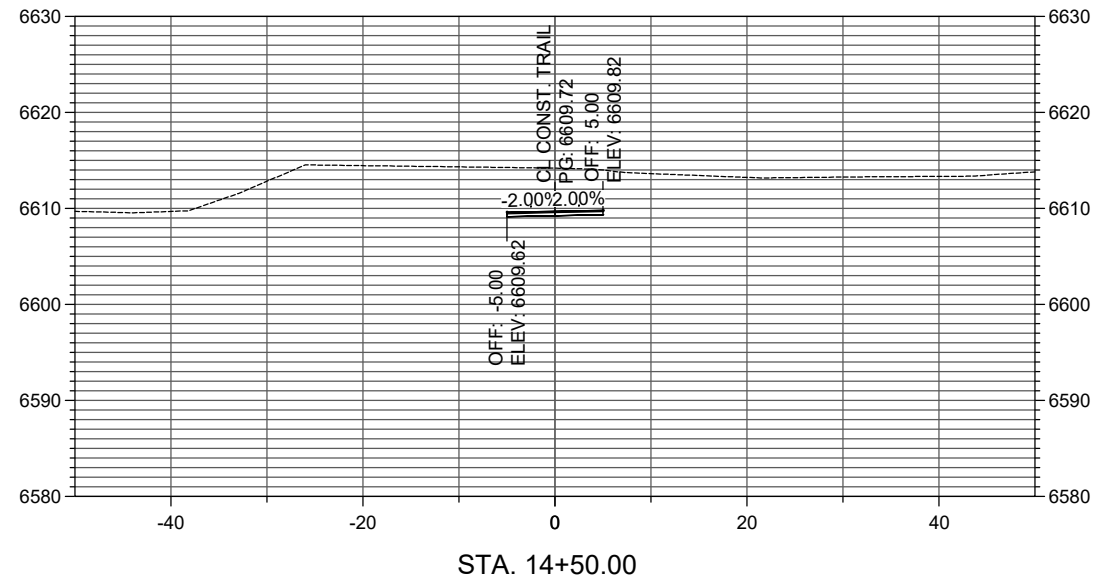
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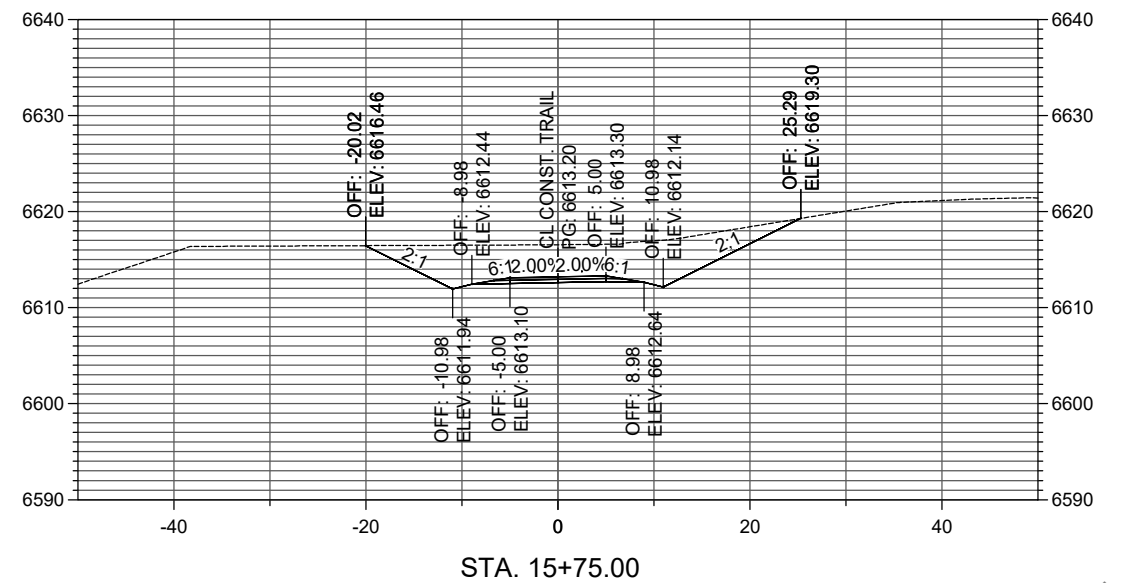
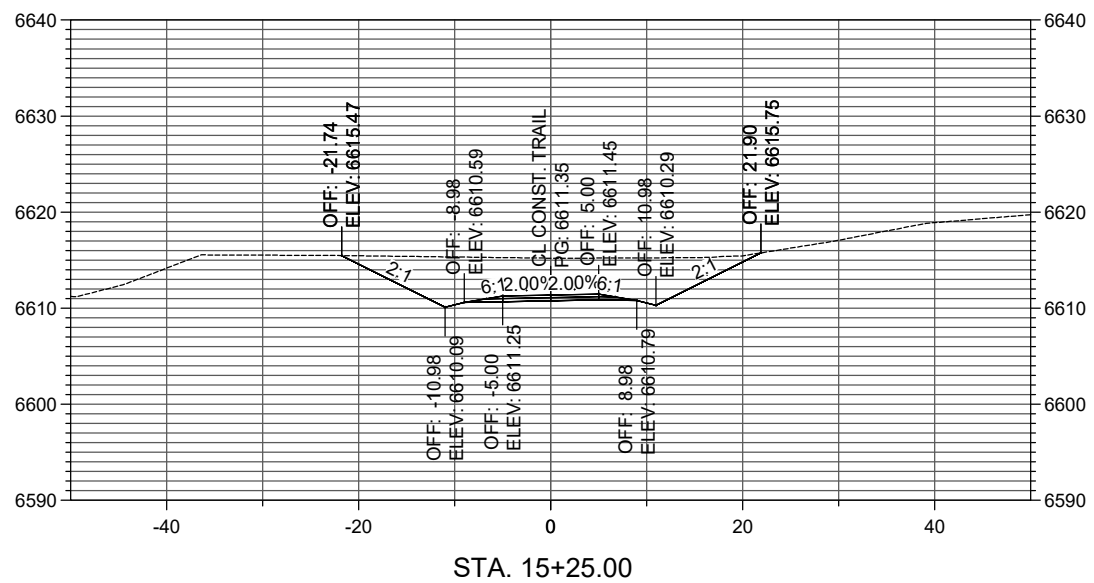
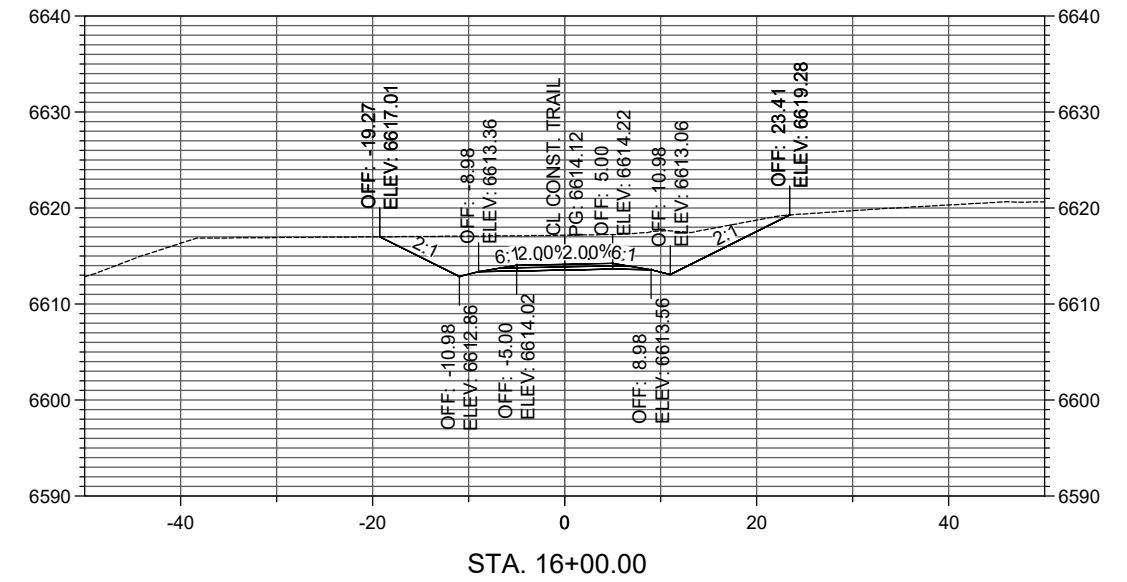
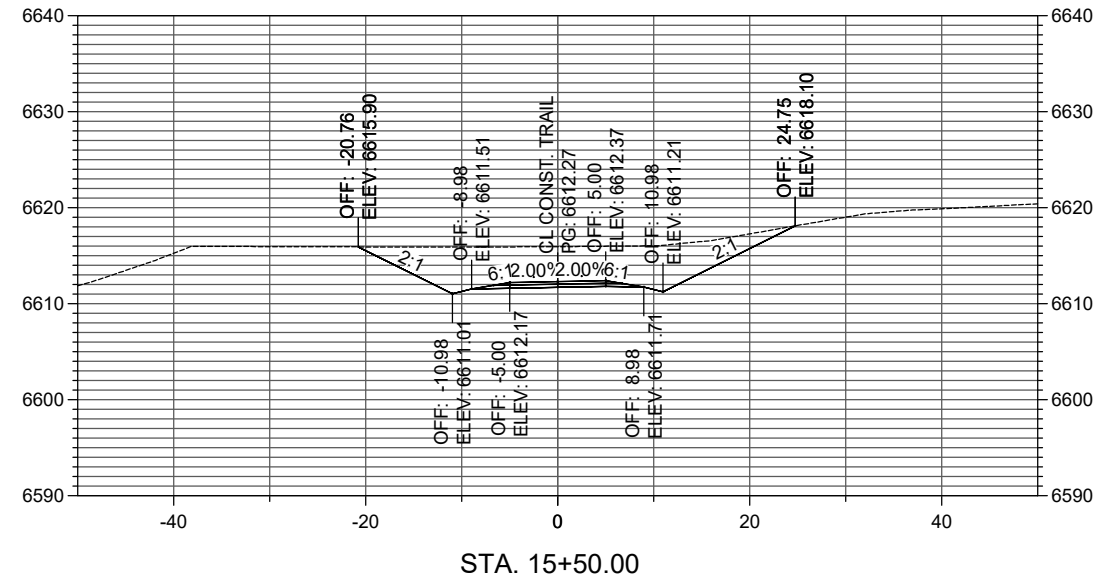


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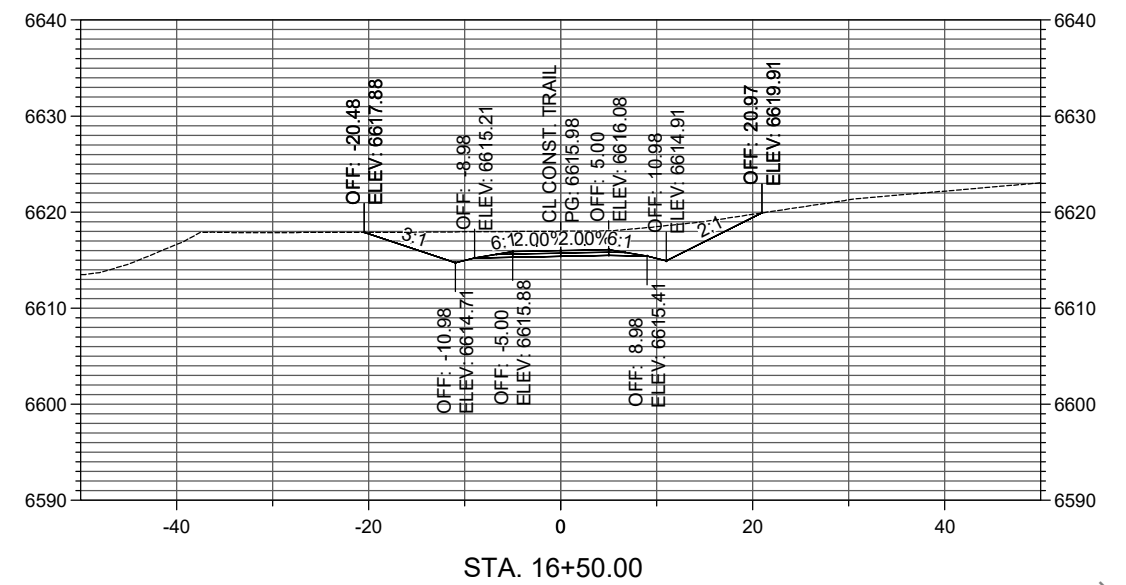
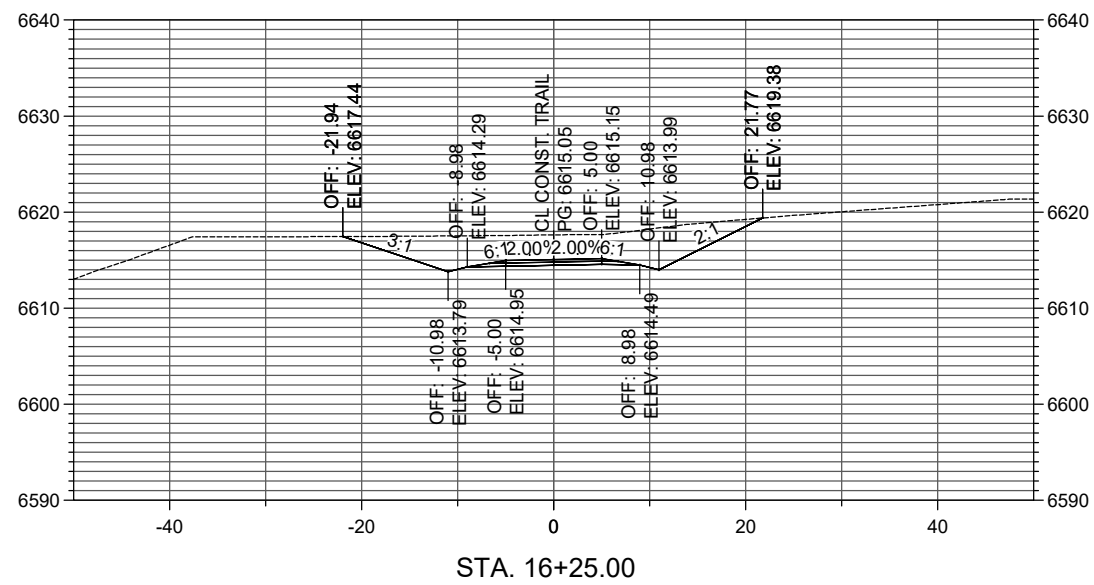
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