


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN RIVERSIDE COUNTY
IN MORENO VALLEY
FROM 0.3 MILE WEST TO 0.5 MILE EAST
OF MORENO BEACH DRIVE OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	1	358



Caltrans

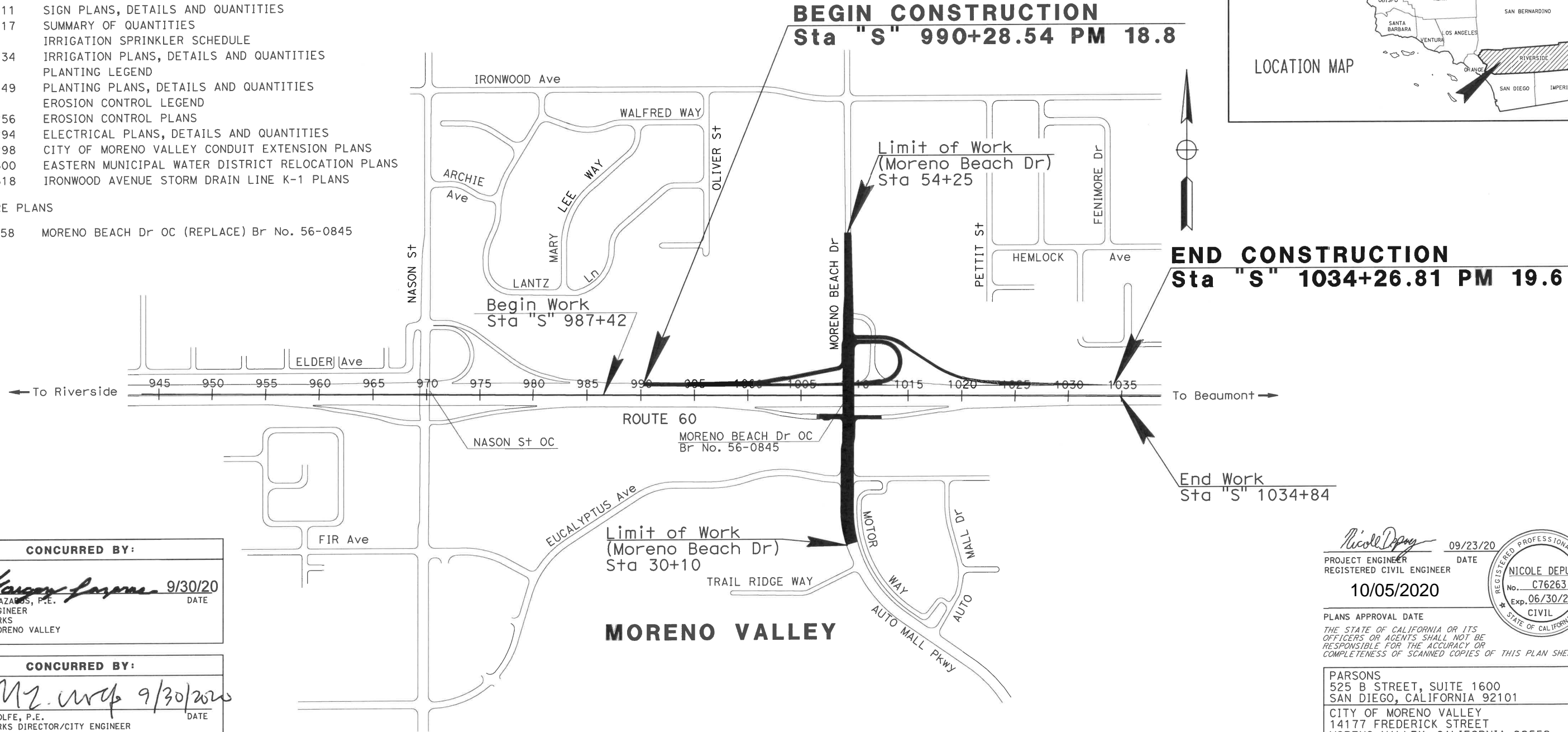
LOCATION MAP

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STRUCTURE PLANS

319-358	MORENO BEACH Dr OC (REPLACE) Br No. 56-0845
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APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

DATE SIGNED 10/05/2020

LICENSE Exp DATE 09/30/22

REGISTRATION No. 79619

CALTRANS DESIGN OVERSIGHT APPROVAL A. Habib

CONSULTANT DESIGN MANAGER KEVIN MICHALSKI

CONCURRED BY:

Margery Lazarek 9/30/20
MARGERY LAZAREK, P.E.
SENIOR ENGINEER
PUBLIC WORKS
CITY OF MORENO VALLEY

CONCURRED BY:

Michael Wolfe 9/30/20
MICHAEL WOLFE, P.E.
PUBLIC WORKS DIRECTOR/CITY ENGINEER
CITY OF MORENO VALLEY

Nicole DePuy 09/23/20
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER
10/05/2020

PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CALIFORNIA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

CONTRACT No.	08-323034
PROJECT ID	0812000059

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

CONFORMED BID SET

DATE PLOTTED => 23-SEP-2020

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

REVISOR BY
 DATE

ERIK ADELMAN
 DANIEL KACHI

CALCULATED-DESIGNED BY
 CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

NOTES:

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
- AXIS OF ROTATION FOR SUPERELEVATION IS LOCATED AT THE PG OF THE ROADWAY STATION.
- FOR TYPE AND LOCATION OF CONCRETE BARRIER, CURB, DIKE AND MGS, SEE LAYOUT SHEETS, CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES.
- FOR SLOPE GRADE, LOCATION AND LIMITS, SEE CONTOUR GRADING SHEETS.
- FOR DITCH FLOW LINE AND SLOPE SEE DRAINAGE SHEETS.
- IMPORT SOILS SHOULD HAVE R-VALUES GREATER THAN 40 AND PLASTICITY INDEX LESS THAN 12.
- EXISTING PAVEMENT STRUCTURAL SECTIONS ARE BASED ON AVAILABLE AS-BUILT DATA AND ARE APPROXIMATE.
- COLORING OF THE ACCESS ROAD CLASS 2 AGGREGATE BASE [8] SHALL BE GRAY COLOR. THE CONTRACTOR SHALL DELIVER TO THE CITY ENGINEER A SAMPLE OF THE COLOR.
- WHERE COLD PLANING IS REQUIRED, CONSTRUCT FINAL HMA LIFT OD THE ADJACENT PAVEMENT.

LEGEND:

BIOFILTRATION STRIP

**ROUTE 60
 DESIGN DESIGNATION**

ADT (2020)	118,000	D	44%
ADT (2045)	135,000	T	20%
DHV	8,500	V	70 mph
ESAL	85,843,752	TI ₂₀	15.0

PAVEMENT CLIMATE REGION
 INLAND VALLEY

TI (Aux LANE)	= 15.0
TI (SHOULDER)	= 9.0
TI (RAMPS)	= 11.0
TI (MORENO)	= 10.0

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	2	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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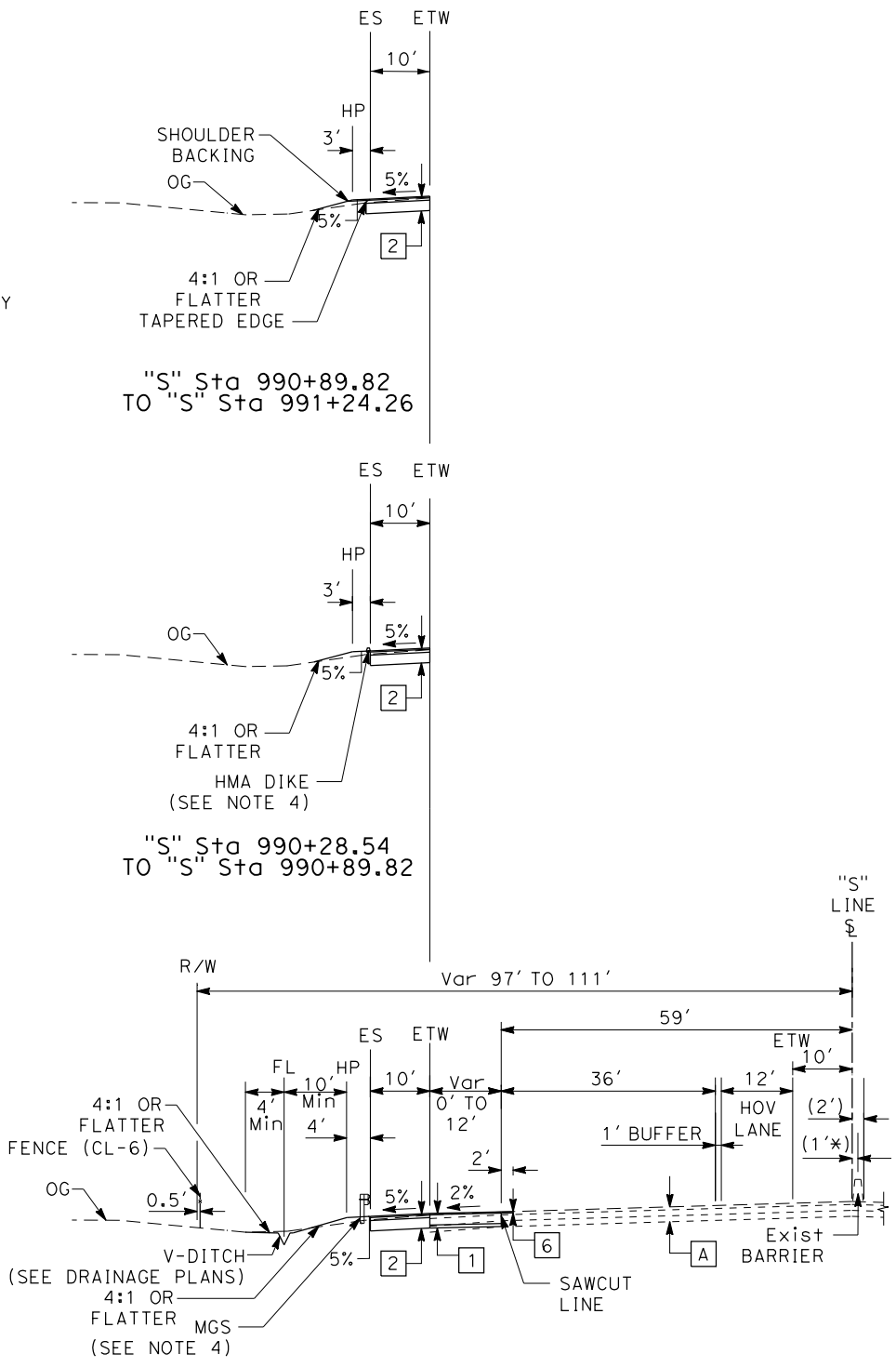
TYPICAL PAVEMENT STRUCTURAL SECTIONS

- 1 0.20' RHMA (TYPE G)
1.75' HMA (TYPE A)
0.50' CI 2 AB
SEG,
- 2 0.20' RHMA (TYPE G)
0.50' HMA (TYPE A)
1.75' CI 2 AB
- 3 0.20' RHMA (TYPE G)
0.60' HMA (TYPE A)
0.50' CI 2 AB
- 4 0.85' JPCP
1.30' CI 2 AB
- 5 0.50' HMA (TYPE A)
0.75' CI 2 AB
- 6 0.20' COLD PLANE AC Pvm+
0.20' RHMA (TYPE G)
- 7 0.20' RHMA (TYPE G)
0.45' HMA (TYPE A)
0.65' CI 2 AB
- 8 0.50' CI 2 AB

EXISTING PAVEMENT STRUCTURAL SECTIONS

- | | |
|---------------------------------------|--|
| A 0.33' AC
0.67' PMCTB
0.75' AS | D 0.10' RHMA (TYPE G)
0.70' HMA (TYPE C)
0.90' CI 2 AB |
| B 0.29' AC
0.33' CI 2 BASE | E 0.20' RHMA (TYPE G)
0.45' HMA (TYPE C)
0.65' CI 2 AB |
| C 0.45' AC
1.00' AB | |

* A 1' OFFSET EXISTS BETWEEN THE "S" LINE AND THE CENTERLINE OF EXISTING IMPROVEMENTS ON ROUTE 60.



**ROUTE 60
 WESTBOUND**

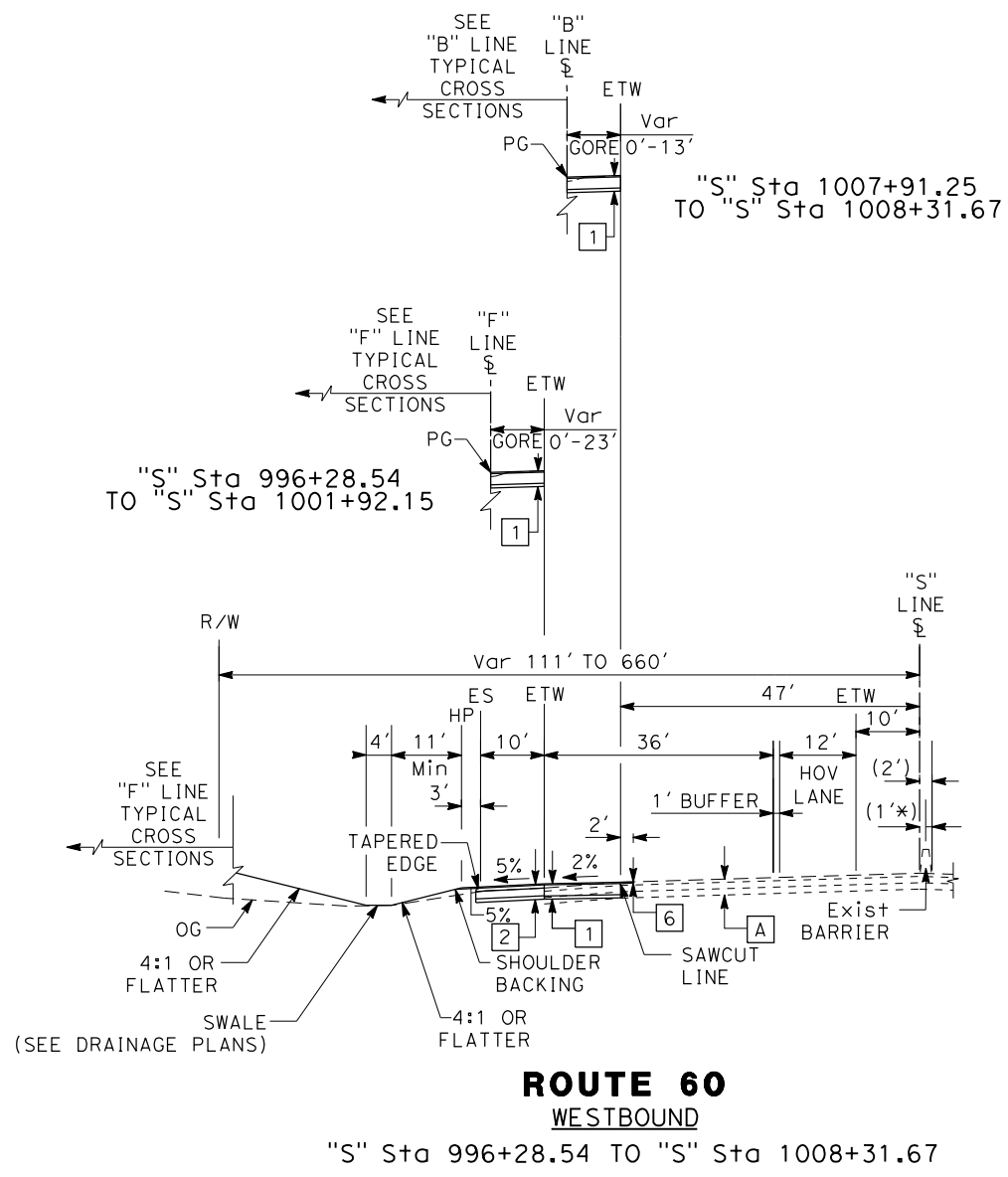
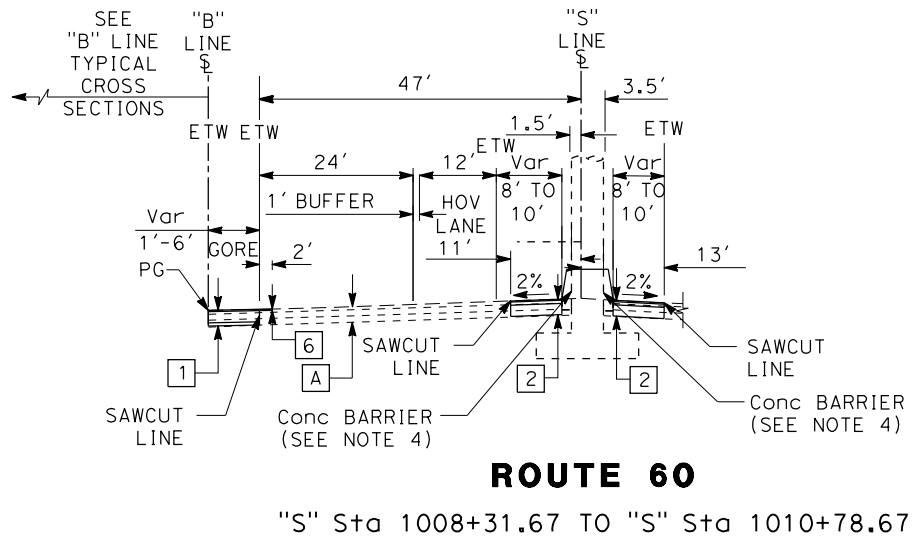
"S" Sta 990+28.54 TO "S" Sta 996+28.54

**TYPICAL CROSS SECTIONS
 NO SCALE
 X-1**

LAST REVISION DATE PLOTTED => #DATE 00-00-00 TIME PLOTTED => \$TIME

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	ERIK ADELMAN	DANIEL KACHI	REVISOR	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	3	358
Daniel Kachi REGISTERED CIVIL ENGINEER		07/01/20 DATE			
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



TYPICAL CROSS SECTIONS
NO SCALE
X-2

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CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISED BY	DATE REVISED

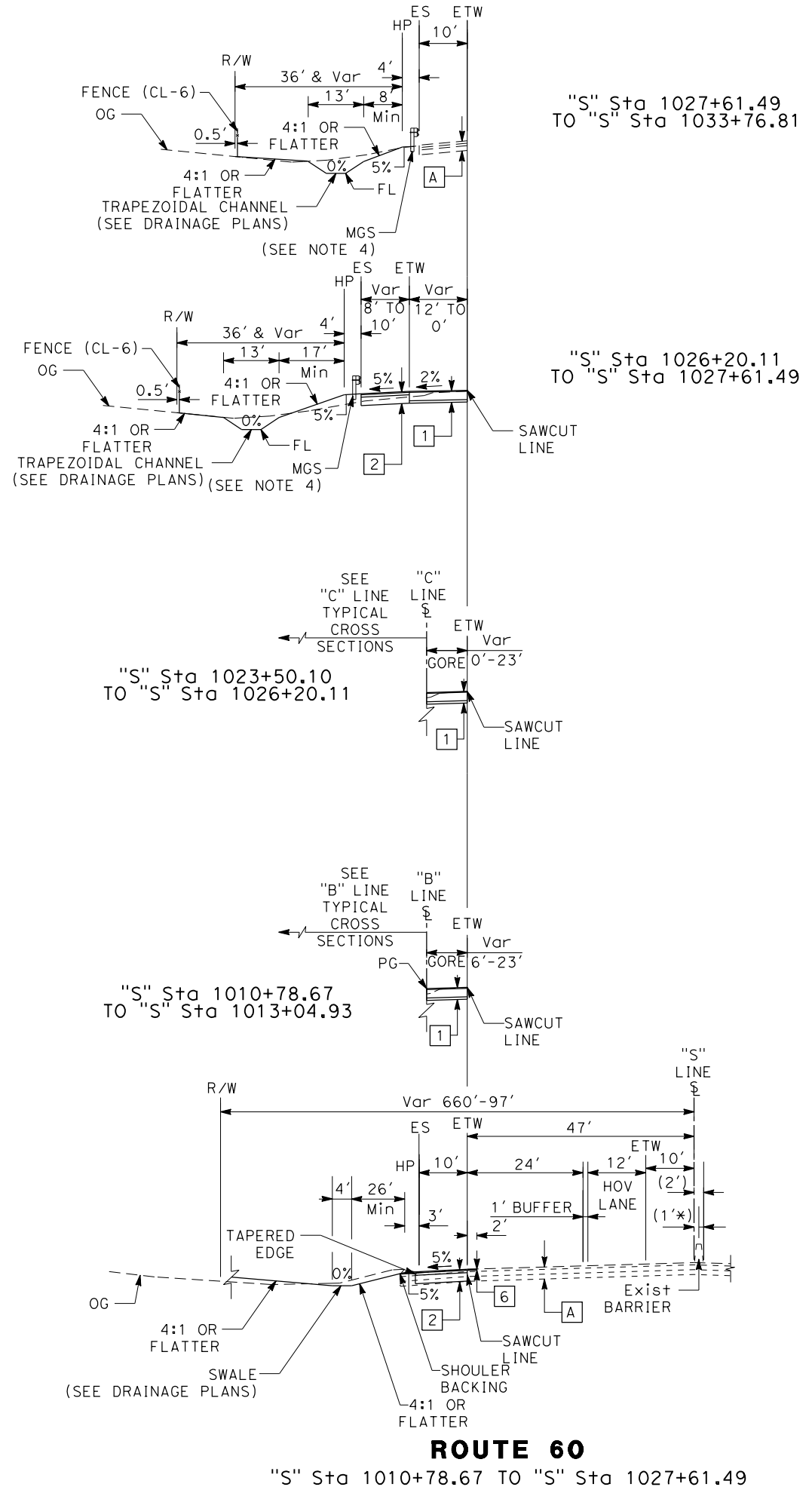
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	4	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

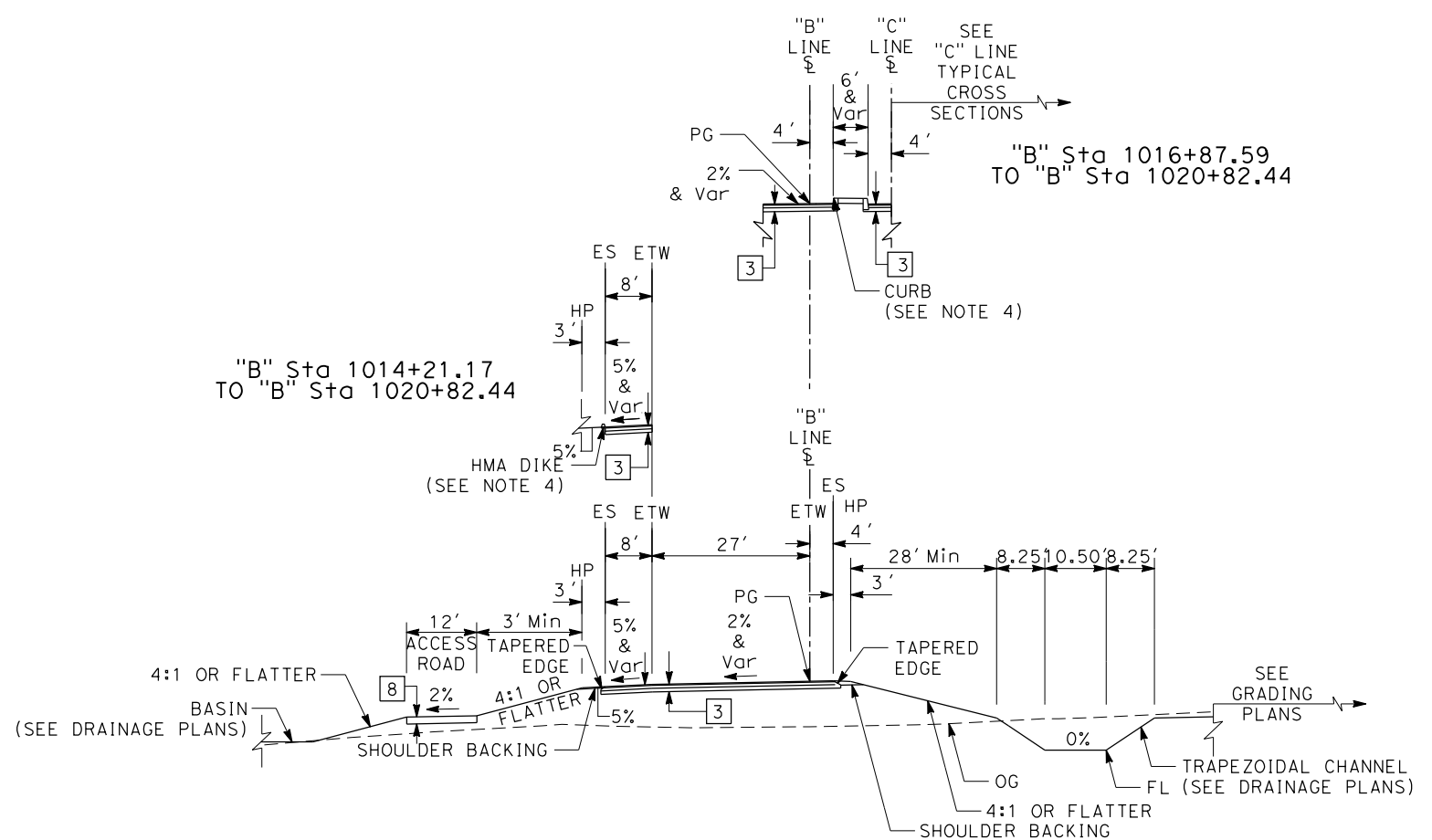
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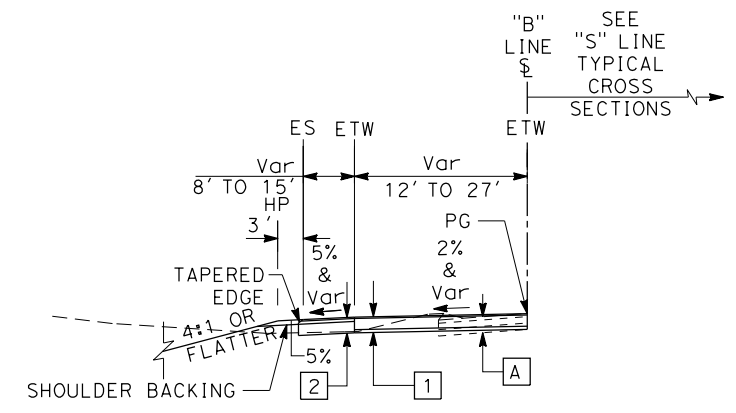
LAST REVISION DATE PLOTTED => #DATE
 00-00-00 TIME PLOTTED => #TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	5	358
Daniel Kachi		07/01/20		DATE	
REGISTERED CIVIL ENGINEER		PLANS APPROVAL DATE			
		DANIEL KACHI		No. C 85739	
		Exp. 09/30/20		CIVIL	
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WB MORENO BEACH Dr LOOP ON-RAMP

"B" Sta 1013+04.93 TO "B" Sta 1020+82.44



WB MORENO BEACH Dr LOOP ON-RAMP

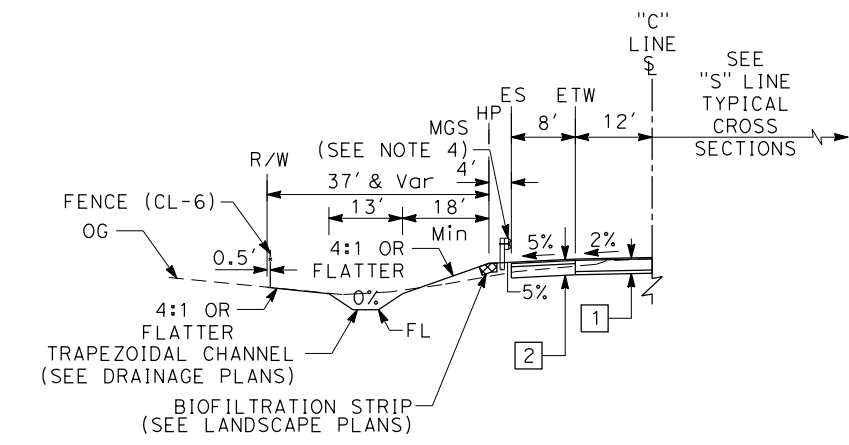
"B" Sta 1007+91.25 TO "B" Sta 1013+04.93

TYPICAL CROSS SECTIONS
NO SCALE
X-4

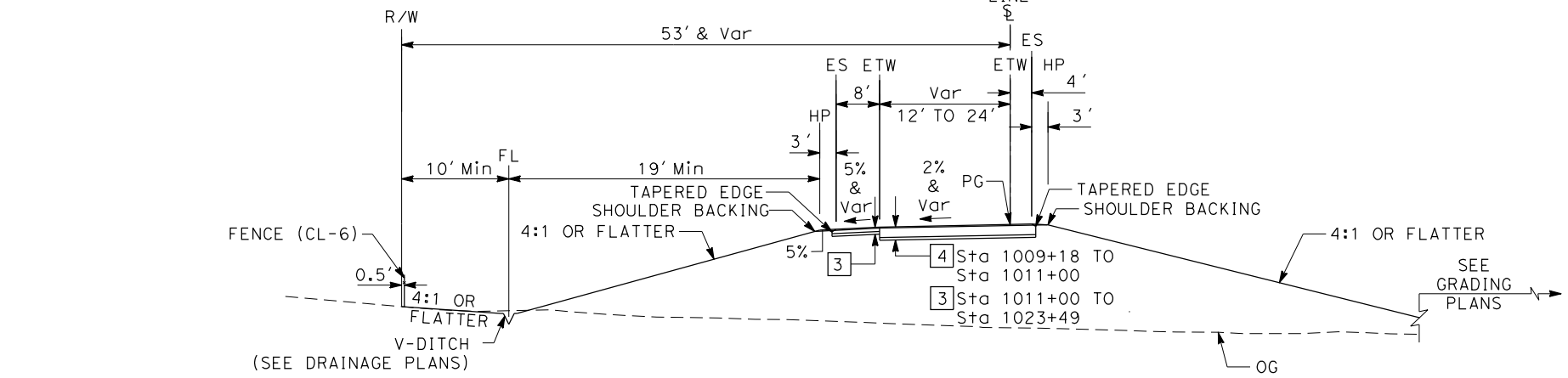
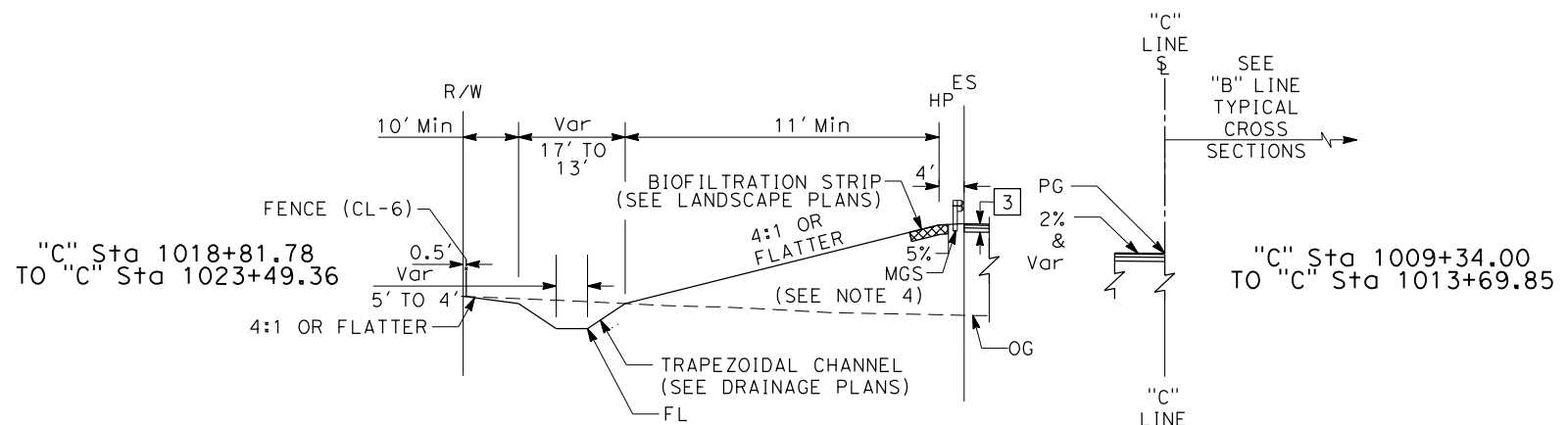
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISIONS: REVISOR: DATE: REVISIONS: REVISOR: DATE:
 ERIK ADELMAN DANIEL KACHI
 ERIC ADELMAN DANIEL KACHI

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	6	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
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WB MORENO BEACH Dr OFF-RAMP
 "C" Sta 1023+49.36 TO "C" Sta 1026+20.00



WB MORENO BEACH Dr OFF-RAMP
 "C" Sta 1009+18.00 TO "C" Sta 1023+49.36

TYPICAL CROSS SECTIONS
 NO SCALE
X-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	7	358

Daniel Kachi 07/01/20
REGISTERED CIVIL ENGINEER DATE

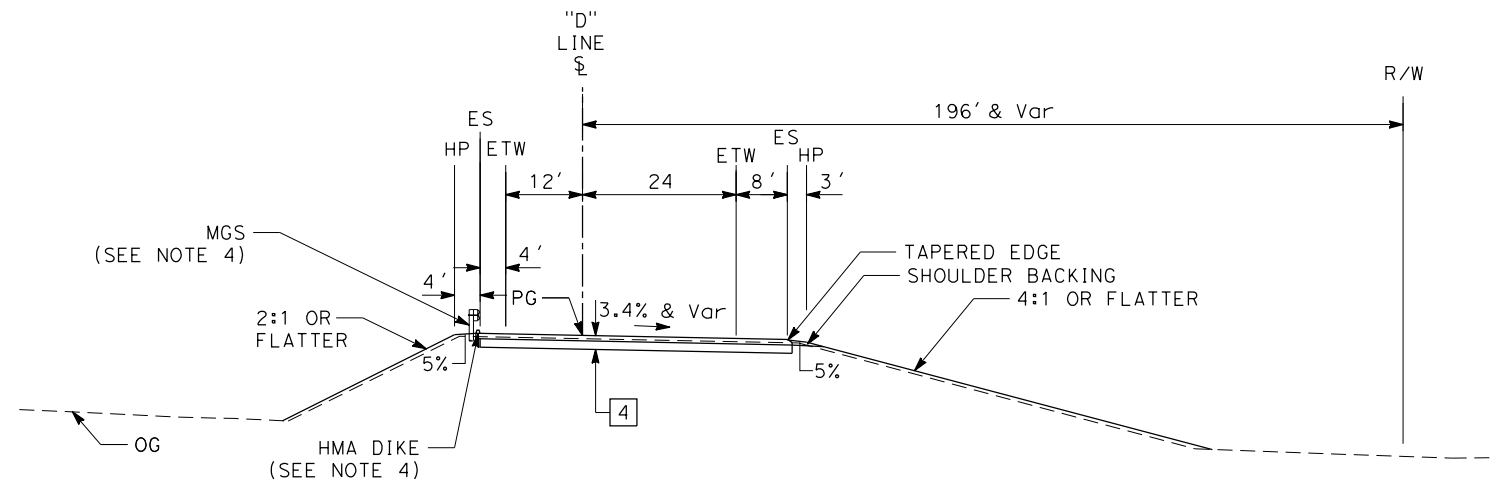
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
No. C 85739
Exp. 09/30/20
CIVIL
STATE OF CALIFORNIA

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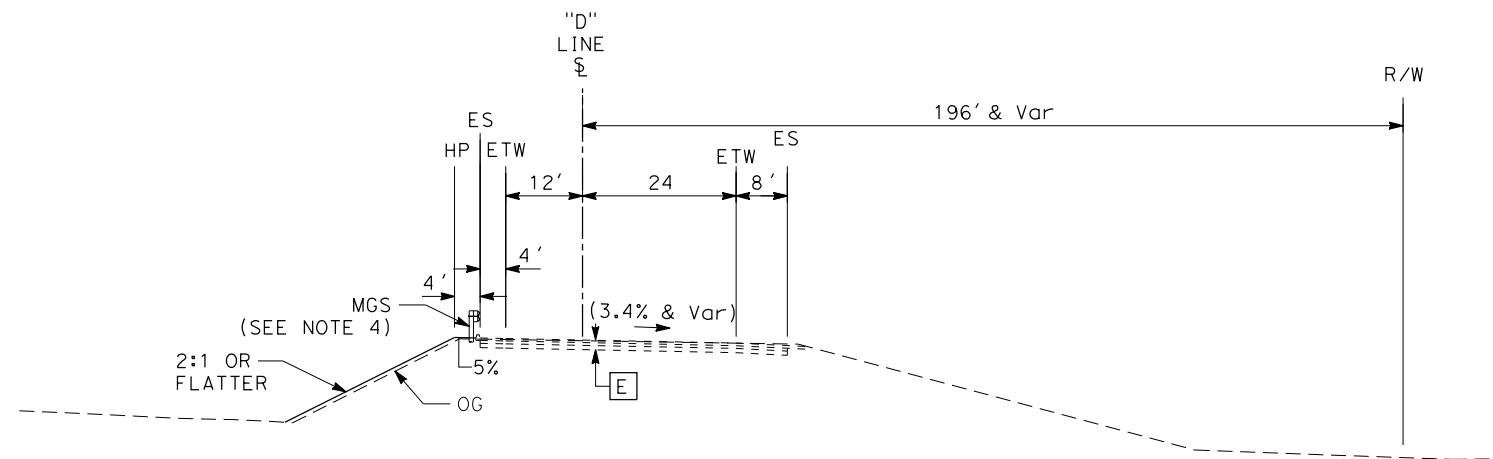
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14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



EB MORENO BEACH Dr OFF-RAMP

"D" Sta 1006+50.00 TO "D" Sta 1008+74.00



EB MORENO BEACH Dr OFF-RAMP

"D" Sta 1005+92.82 TO "D" Sta 1006+50.00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	ERIK ADELMAN	REVISOR	DATE
Caltrans		NICOLE DEPUY	DANIEL KACHI		
		CHECKED BY			
		DESIGNED BY			

TYPICAL CROSS SECTIONS
NO SCALE
X-6



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

REVISOR BY
 DATE

ERIK ADELMAN
 DANIEL KACHI

CALCULATED-DESIGNED BY
 CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

DATE PLOTTED => \$DATE
 00-00-00
 TIME PLOTTED => \$TIME

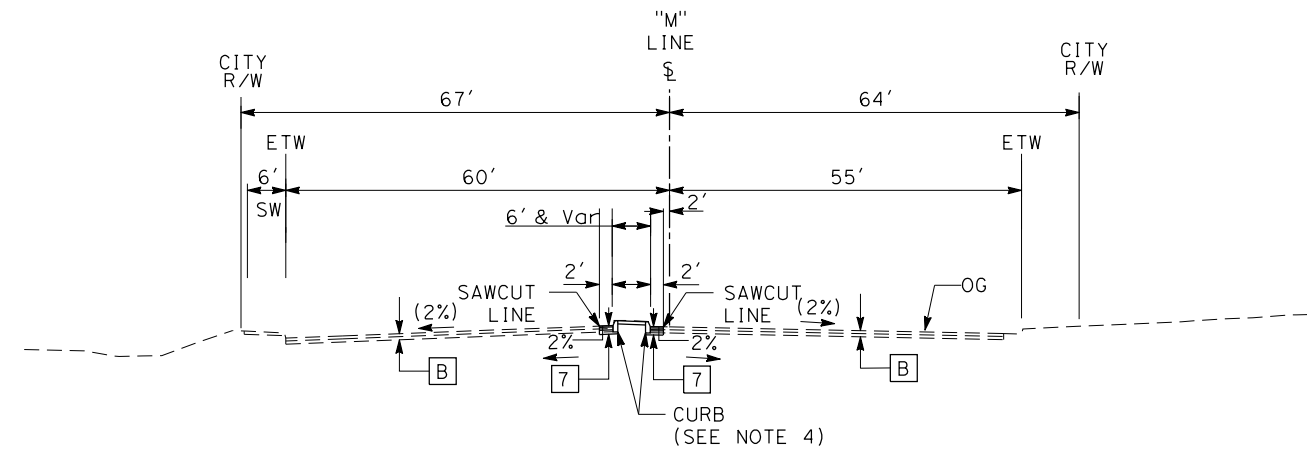
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	9	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

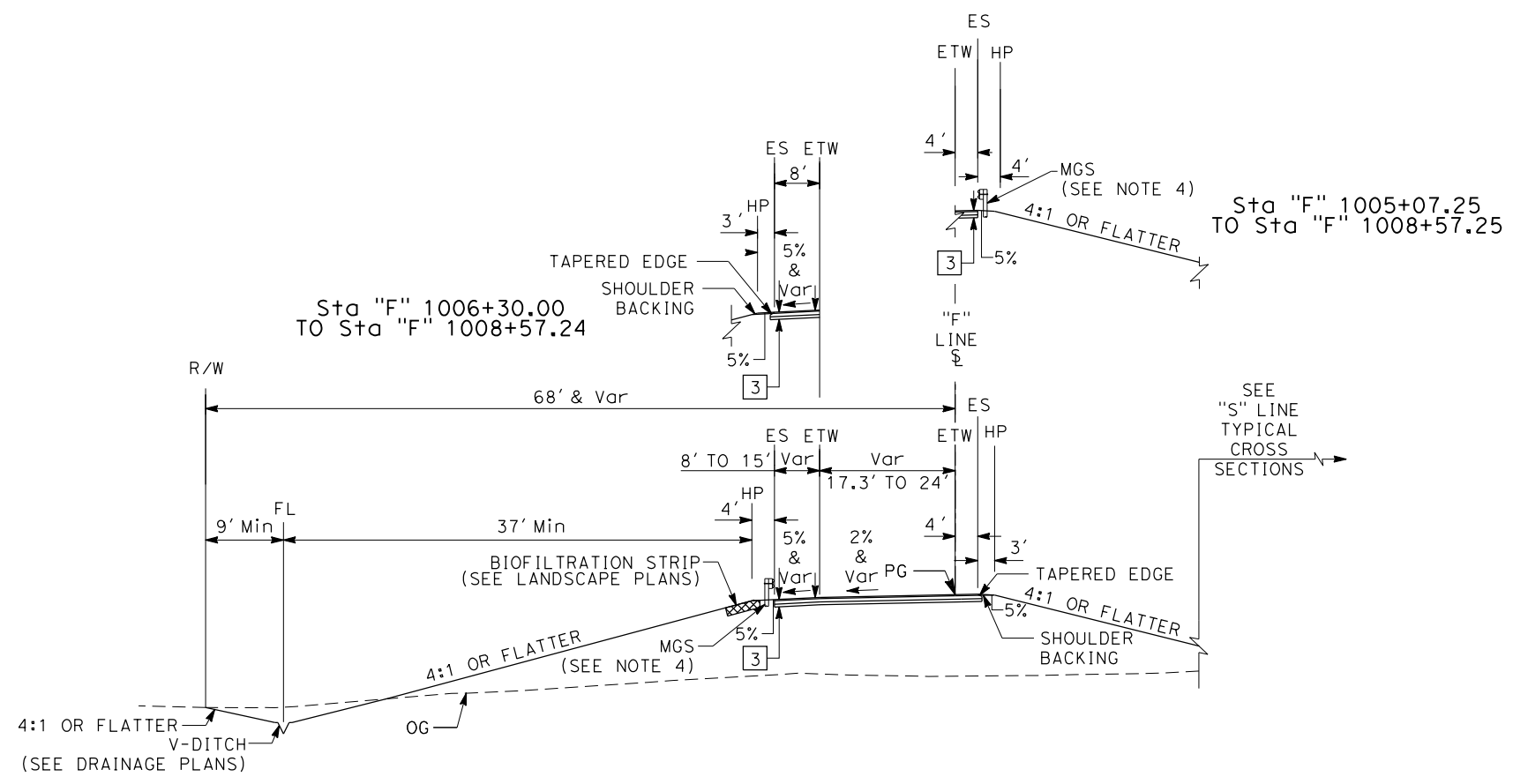
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MORENO BEACH Dr
 "M" Sta 30+10.00 TO "M" Sta 34+30.00

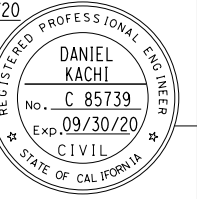


WB MORENO BEACH Dr ON-RAMP
 "F" Sta 1001+93.94 TO "F" Sta 1008+57.25

TYPICAL CROSS SECTIONS
 NO SCALE
X-8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	10	358

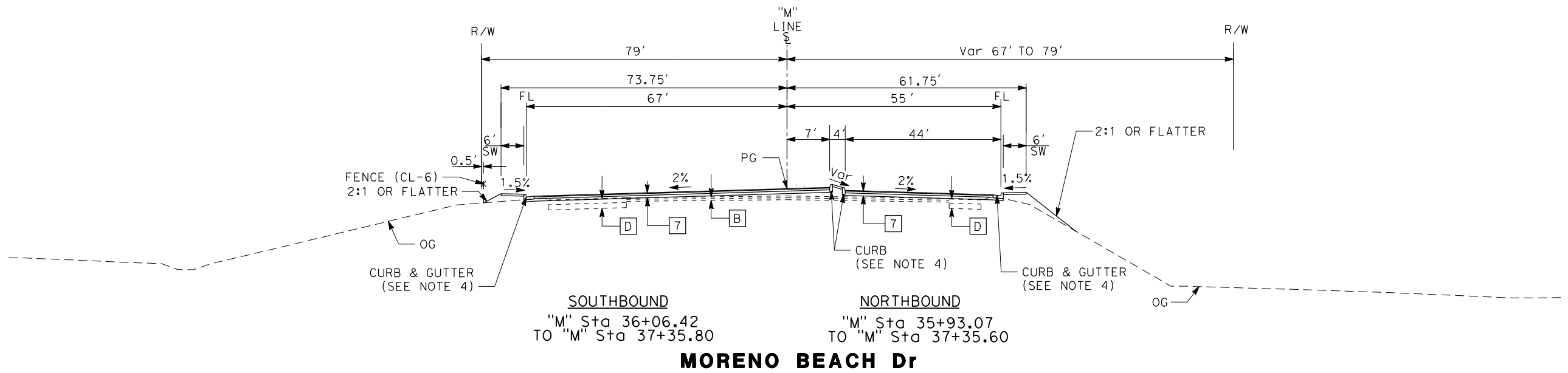
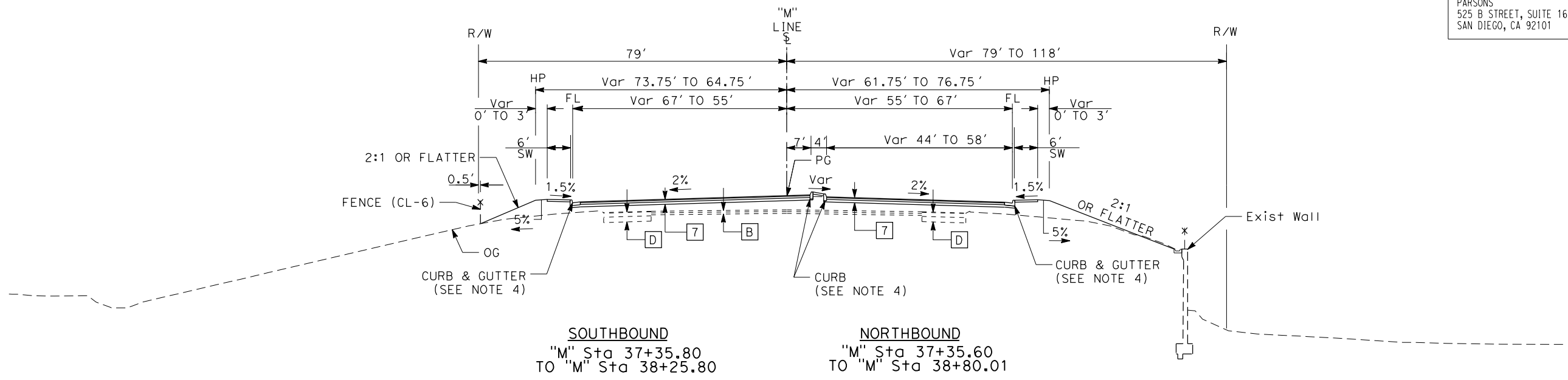
Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	ERIK ADELMAN	REVISOR	DATE
St. Catrans		NICOLE DEPUY	DANIEL KACHI		
		CHECKED BY			
		DESIGNED BY			

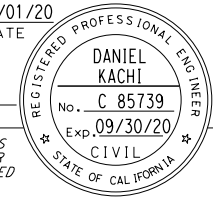


TYPICAL CROSS SECTIONS
NO SCALE
X-9

LAST REVISION DATE PLOTTED => #DATE
 00-00-00 TIME PLOTTED => \$TIME

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	11	358

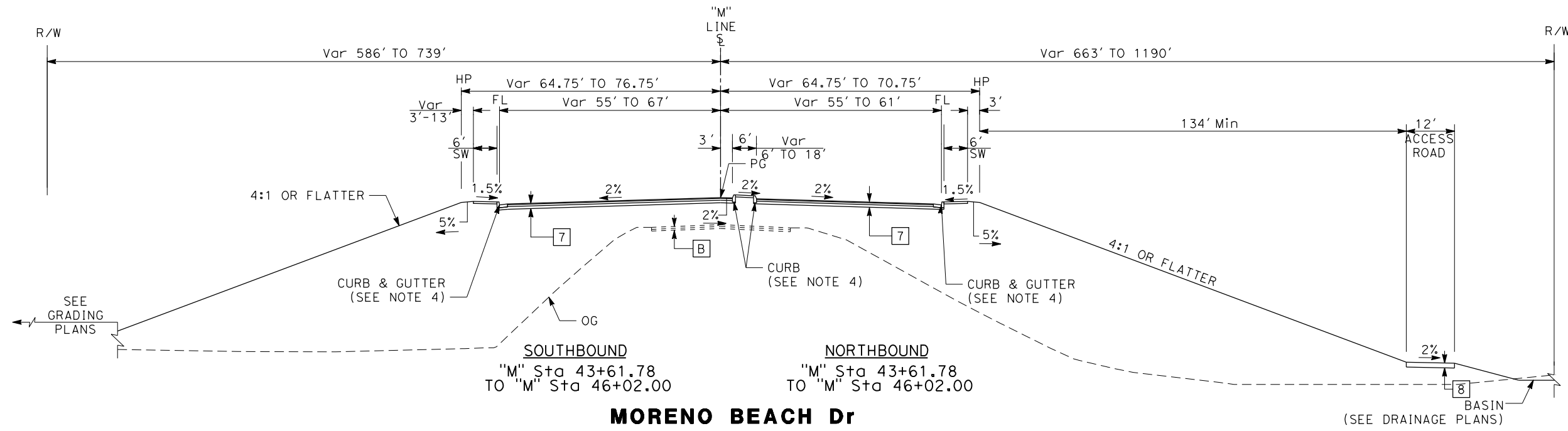
Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20



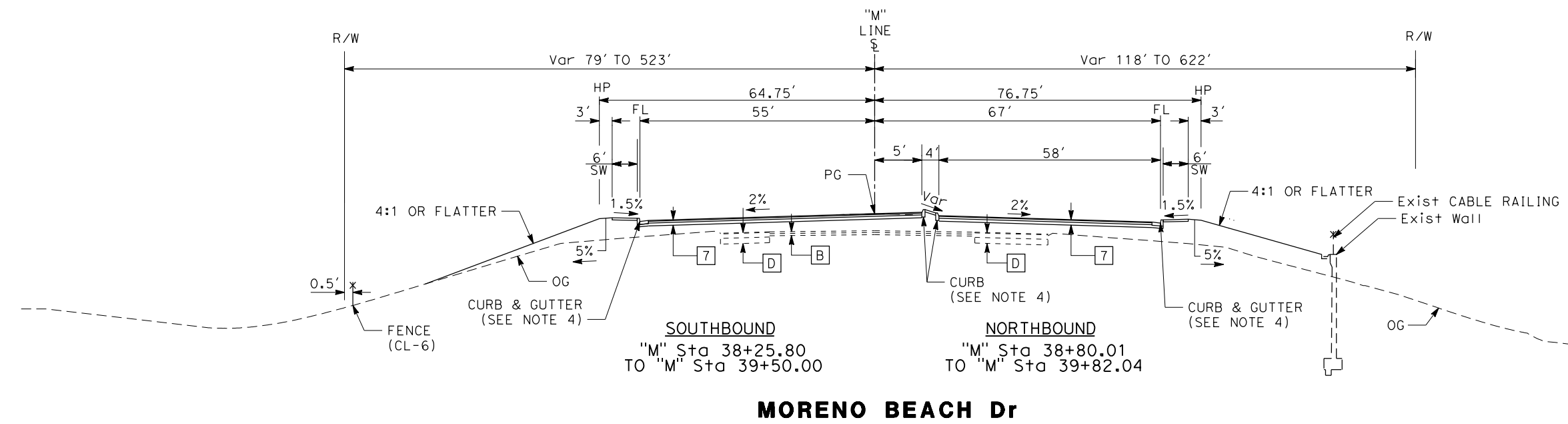
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MORENO BEACH Dr



MORENO BEACH Dr

TYPICAL CROSS SECTIONS
 NO SCALE
X-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE

BORDER LAST REVISED 7/2/2010

USERNAME => #USER
 DGN FILE => #REQUEST



UNIT 2232

PROJECT NUMBER & PHASE

08120000591

LAST REVISION DATE PLOTTED => #DATE
 00-00-00 TIME PLOTTED => \$TIME

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	12	358

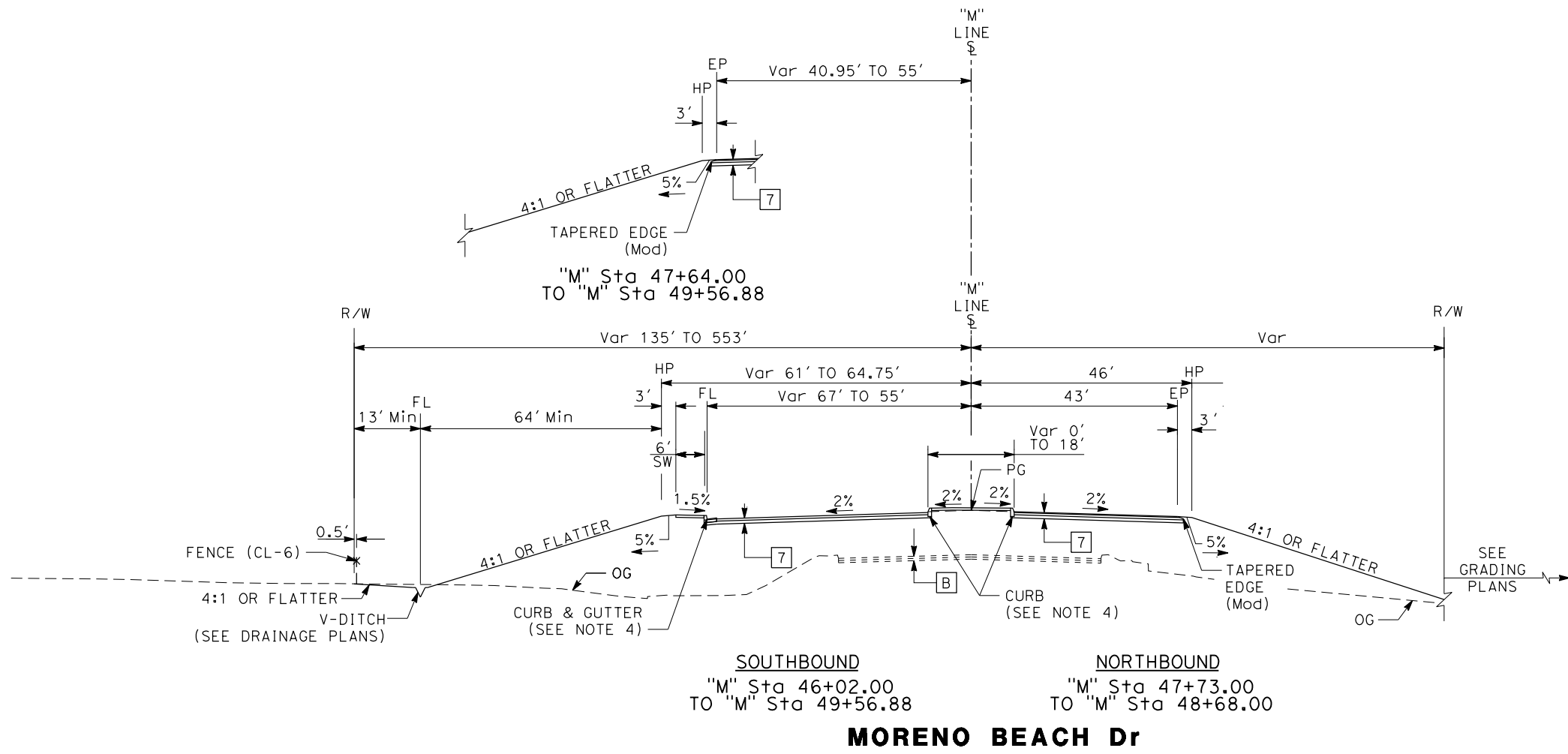
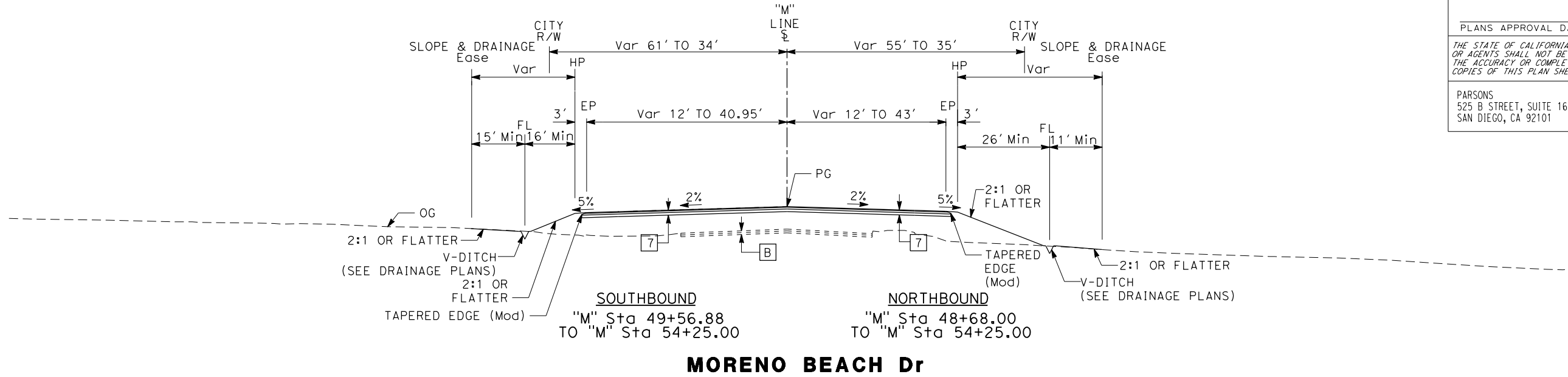
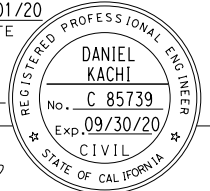
Daniel Kachi 07/01/20
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PLANS APPROVAL DATE

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CITY OF MORENO VALLEY
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 MORENO VALLEY, CALIFORNIA 92552



TYPICAL CROSS SECTIONS
 NO SCALE
X-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE
CALCULATED/DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CONTRACT NO.	
PROJECT NO.	
DATE	
BY	
DATE	

LAST REVISION DATE PLOTTED => \$DATE 00-00-00 TIME PLOTTED => \$TIME

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISED BY: DANIEL KACHI
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	13	358

Daniel Kachi 07/01/20
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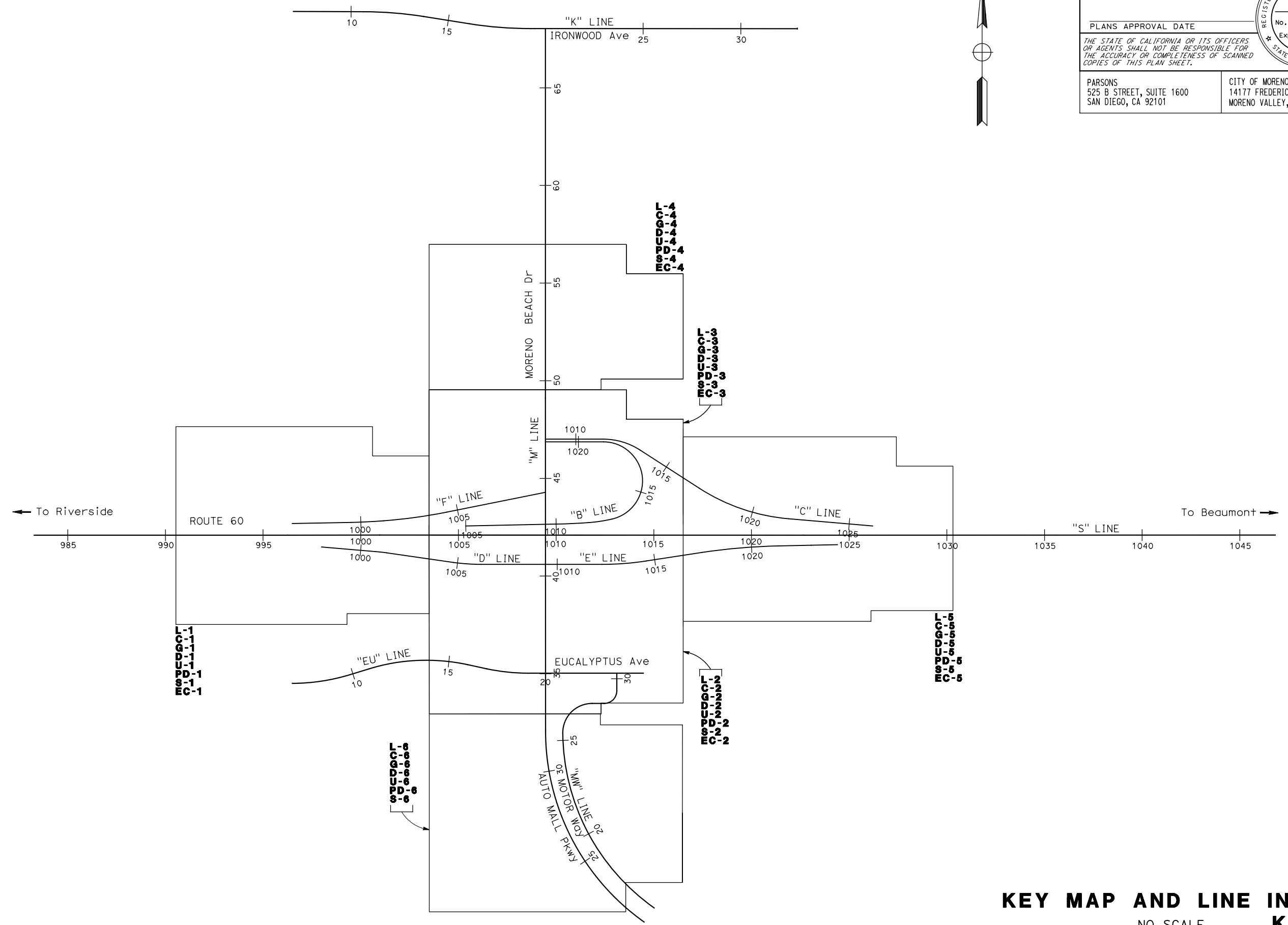
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 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

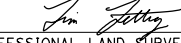


KEY MAP AND LINE INDEX
 NO SCALE
K-1

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 13:19

CONTROL FOR DESIGN AND CONSTRUCTION

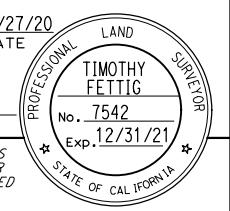
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	14	358

 05/27/20
 PROFESSIONAL LAND SURVEYOR DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

GUIDA 9241 IRVINE BLVD, SUITE 100 IRVINE, CA 92618
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



POINT	NORTHING	EASTING	ELEVATION (NGVD 29)	DESCRIPTION
10101	2,289,341.69	6,278,738.75	1838.60	SET MAG NAIL IN ASPHALT
10102	2,289,234.99	6,281,396.19	1839.60	SET MAG NAIL IN ASPHALT
10103	2,286,572.79	6,281,438.65	1781.91	SET MAG NAIL IN ASPHALT SHOULDER
10104	2,287,902.94	6,282,801.67	1815.47	SET MAG NAIL IN ASPHALT
10105	2,285,520.60	6,277,584.32	1753.14	SET MAG NAIL IN ASPHALT MEDIAN

NOTES:

- BASIS OF BEARINGS AND COORDINATES**
 THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS), ZONE 6, NAD 83, FAST STATIC GPS TIES WERE MADE TO EXISTING LOCAL PROJECT CONTROL. THE BASIS OF BEARINGS IS THE INVERSE BETWEEN 11006 AND 3276 (NORTH 01°46'10" EAST).

 ALL DISTANCES SHOWN HEREON ARE GRID. GROUND DISTANCES CAN BE OBTAINED BY DIVIDING GRID DISTANCES BY A COMBINED FACTOR OF 0.99992856 ON THIS SURVEY.

 3276 N 2,286,654.00 E 6,280,061.29 (NAD 83) EPOCH 1992.88
 FD 2" BRASS DISK STAMPED "CALIF DEPT TRANSPORTATION RIV 60-19.12, 1990, LS5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH.

 11006 N 2,285,947.07 E 6,280,039.46 (NAD 83) EPOCH 1992.88
 FD 2" BRASS DISK STAMPED "CAL DIV OF HIGHWAYS 368+16.73 C/L HEN 12+93.00" IN WELL 3.3' DN.

 18007 N 2,285,890.79 E 6,276,076.45 (NAD 83) EPOCH 1992.88
 FD 2" BRASS DISK STAMPED "CALIF DIV OF HIGHWAYS C/L NASON POT 12+60.00

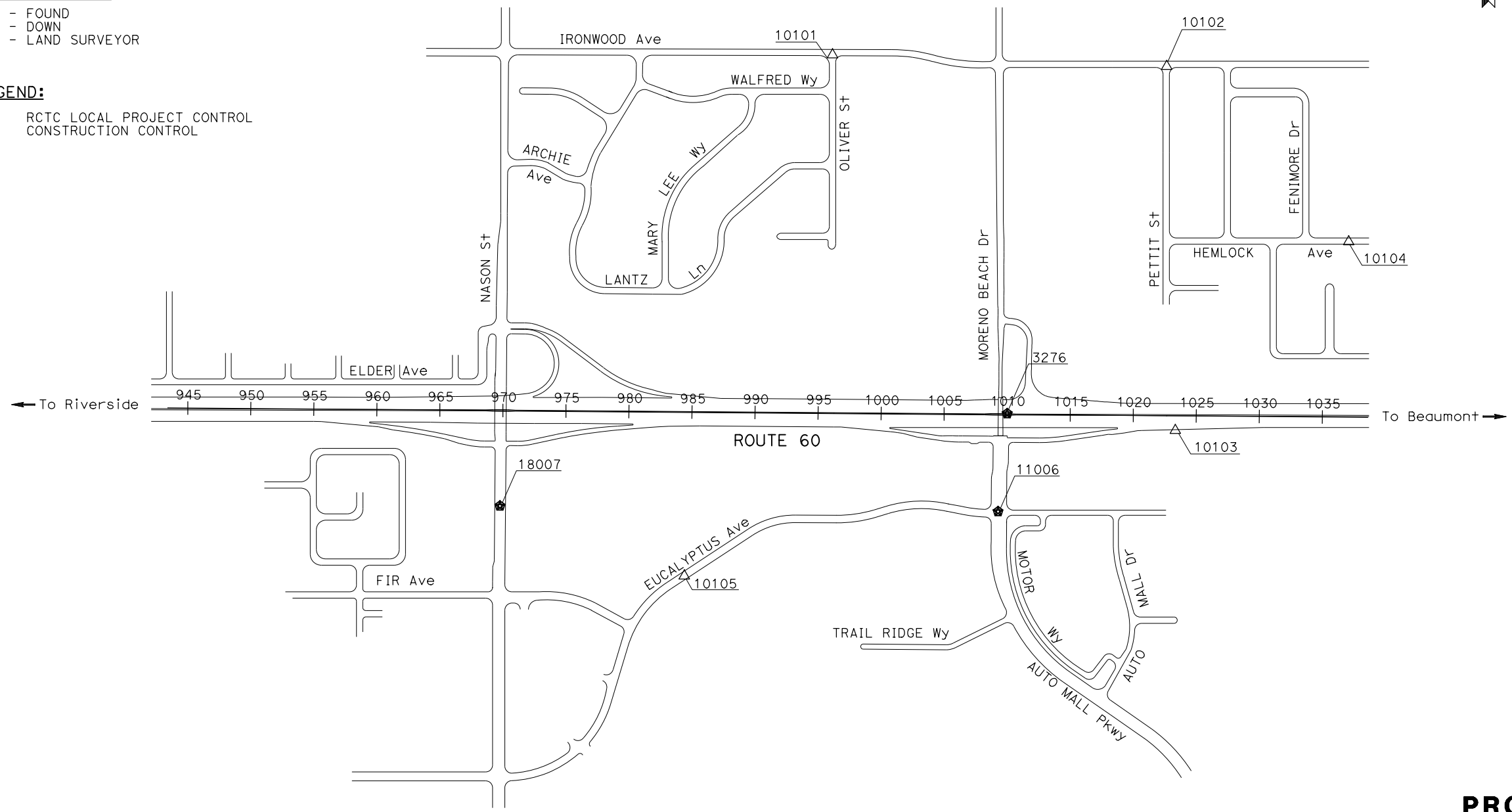
- BASIS OF ELEVATIONS:**
 THIS PROJECT IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). STATION AND RESPECTIVE ELEVATIONS CONSTRAINED TO ARE:
 3276 (ELEVATION 1805.36')
 11006 (ELEVATION 1766.97')
 18007 (ELEVATION 1735.35')

ABBREVIATIONS:

- FD - FOUND
- DN - DOWN
- LS - LAND SURVEYOR

LEGEND:

- ⬠ RCTC LOCAL PROJECT CONTROL
- △ CONSTRUCTION CONTROL



PROJECT CONTROL
NO SCALE

PC-1

APPROVED FOR PROJECT INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans®
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 DANIEL KACHI
 TIMOTHY FETTIG
 REVISED BY
 DATE REVISED

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 13:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	15	358

Daniel Kachi
REGISTERED CIVIL ENGINEER DATE 07/01/20
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
DANIEL KACHI
No. C 85739
Exp. 09/30/20
CIVIL
STATE OF CALIFORNIA

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101
CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- SEE CONSTRUCTION DETAIL PLANS FOR ADDITIONAL INFORMATION.

ABBREVIATIONS:

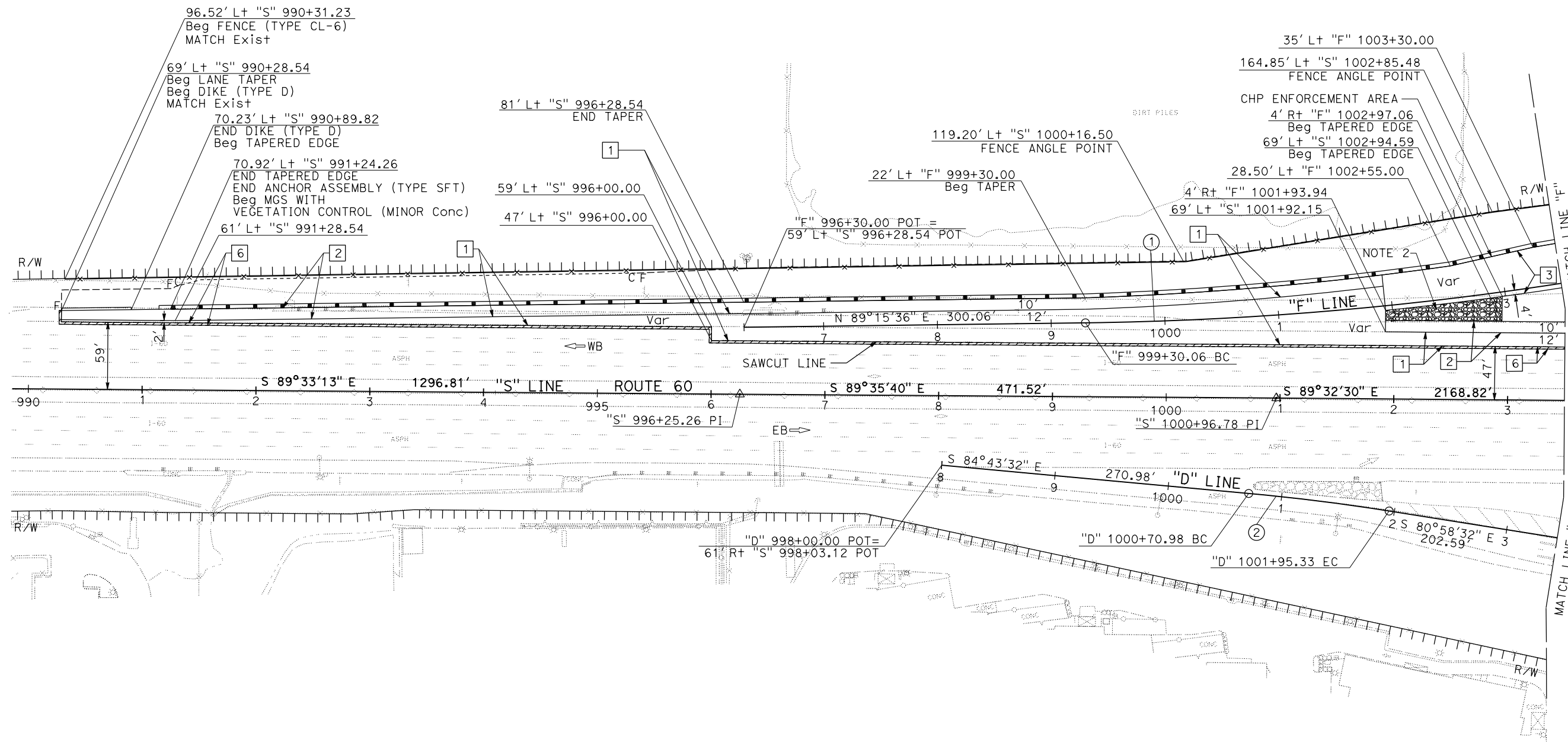
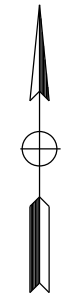
AITS ALTERNATIVE IN-LINE TERMINAL SYSTEM
C CUT
CHP CALIFORNIA HIGHWAY PATROL

LEGEND:

- MINOR CONCRETE (STAMPED CONCRETE)
- SEE SHEET X-1 FOR STRUCTURAL SECTION INFORMATION
- ENVIRONMENTALLY SENSITIVE AREA (ESA)
- DIRECTION OF TRAFFIC
- COLD PLANE Exist ASPHALT CONCRETE PAVEMENT
- MINOR CONCRETE (COBBLESTONE STAMPED CONCRETE)
- CONSTRUCT SURVEY MONUMENT

CURVE DATA

No. (X)	R	Δ	T	L
1	3000'	09°54'38"	260.10'	518.91'
2	1900'	03°44'59"	62.20'	124.35'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
CALCULATED/DESIGNED BY: ERIK ADELMAN
CHECKED BY: DANIEL KACHI
REVISOR: DANIEL KACHI
DATE REVISION: 07/01/2020

LAYOUT
SCALE: 1" = 50'

L-1

LAST REVISION DATE PLOTTED => 27-JUL-2020
00-00-00 TIME PLOTTED => 15:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	16	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER 07/01/20
 DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

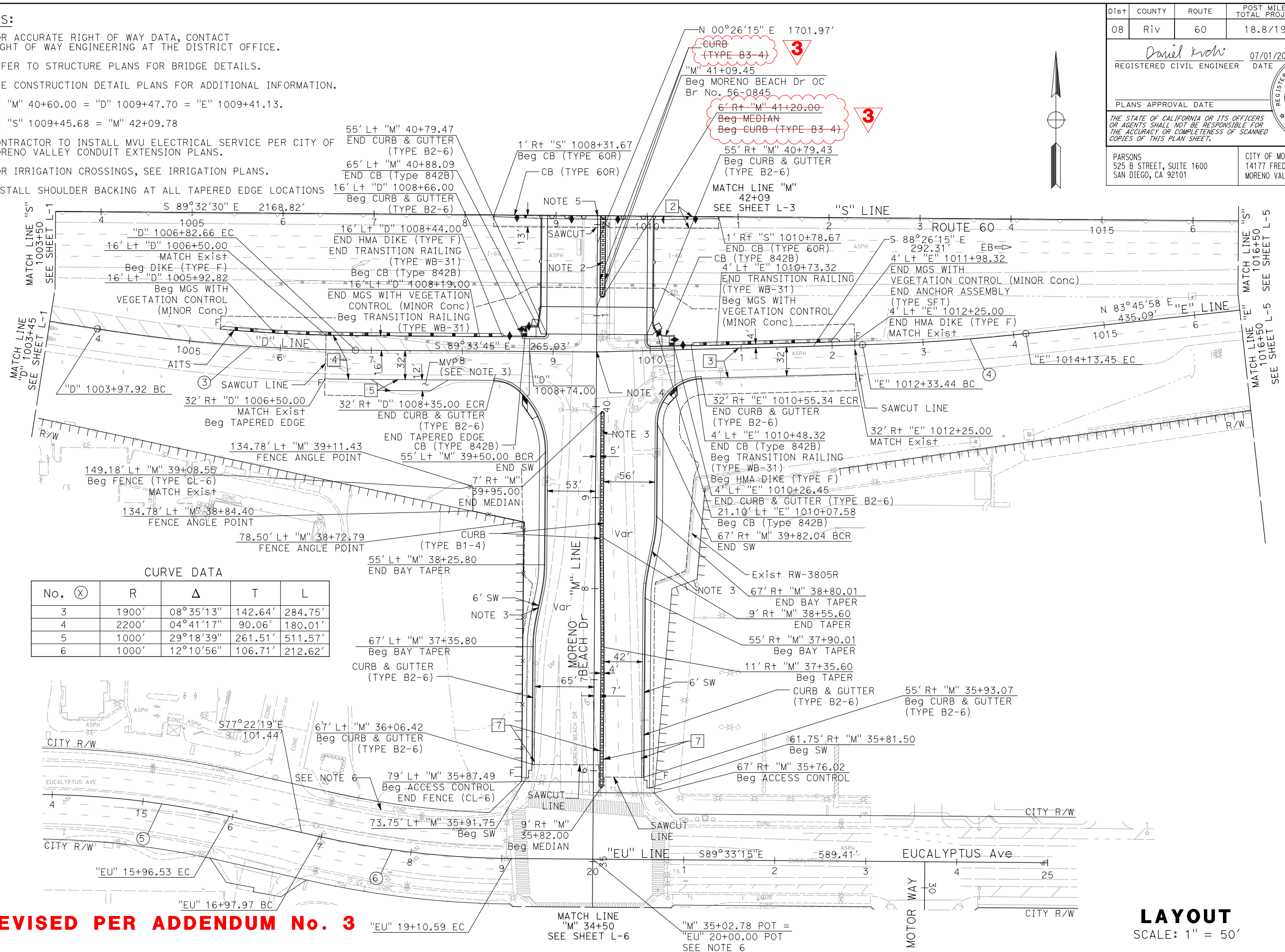
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO STRUCTURE PLANS FOR BRIDGE DETAILS.
3. SEE CONSTRUCTION DETAIL PLANS FOR ADDITIONAL INFORMATION.
4. Eq "M" 40+60.00 = "D" 1009+47.70 = "E" 1009+41.13.
5. Eq "S" 1009+45.68 = "M" 42+09.78
6. CONTRACTOR TO INSTALL MVU ELECTRICAL SERVICE PER CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.
7. FOR IRRIGATION CROSSINGS, SEE IRRIGATION PLANS.
8. INSTALL SHOULDER BACKING AT ALL TAPERED EDGE LOCATIONS



CURVE DATA

No. (X)	R	Δ	T	L
3	1900'	08°35'13"	142.64'	284.75'
4	2200'	04°41'17"	90.06'	180.01'
5	1000'	29°18'39"	261.51'	511.57'
6	1000'	12°10'56"	106.71'	212.62'

3 REVISED PER ADDENDUM No. 3

LAYOUT
SCALE: 1" = 50'
L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN BRANCH H

REVISOR	DATE
ERIK ADELMAN	DANIEL KACHI
CALCULATED/DESIGNED BY	CHECKED BY
NICOLE DEPUY	

LAST REVISION DATE PLOTTED => 2/26/2021
 00-00-00 TIME PLOTTED => 9:18:27 AM

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- REFER TO STRUCTURE PLANS FOR BRIDGE DETAILS.
- SEE CONSTRUCTION DETAIL PLANS FOR ADDITIONAL INFORMATION.
- FOR IRRIGATION CROSSINGS, SEE IRRIGATION PLANS.

SURVEY MONUMENT			
No. (X)	NORTHING	EASTING	DESCRIPTION
1	2,286,843.56	6,280,103.05	1/2" CAST IRON COVER

3 REVISED PER ADDENDUM No. 3

CURVE DATA				
No. (X)	R	Δ	T	L
2	3000'	9°54'38"	260.10'	518.91'
7	3000'	3°11'30"	83.58'	167.11'
8	208.47'	175°41'01"	5531.85'	639.21'
9	350'	32°51'56"	103.23'	200.76'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	17	358

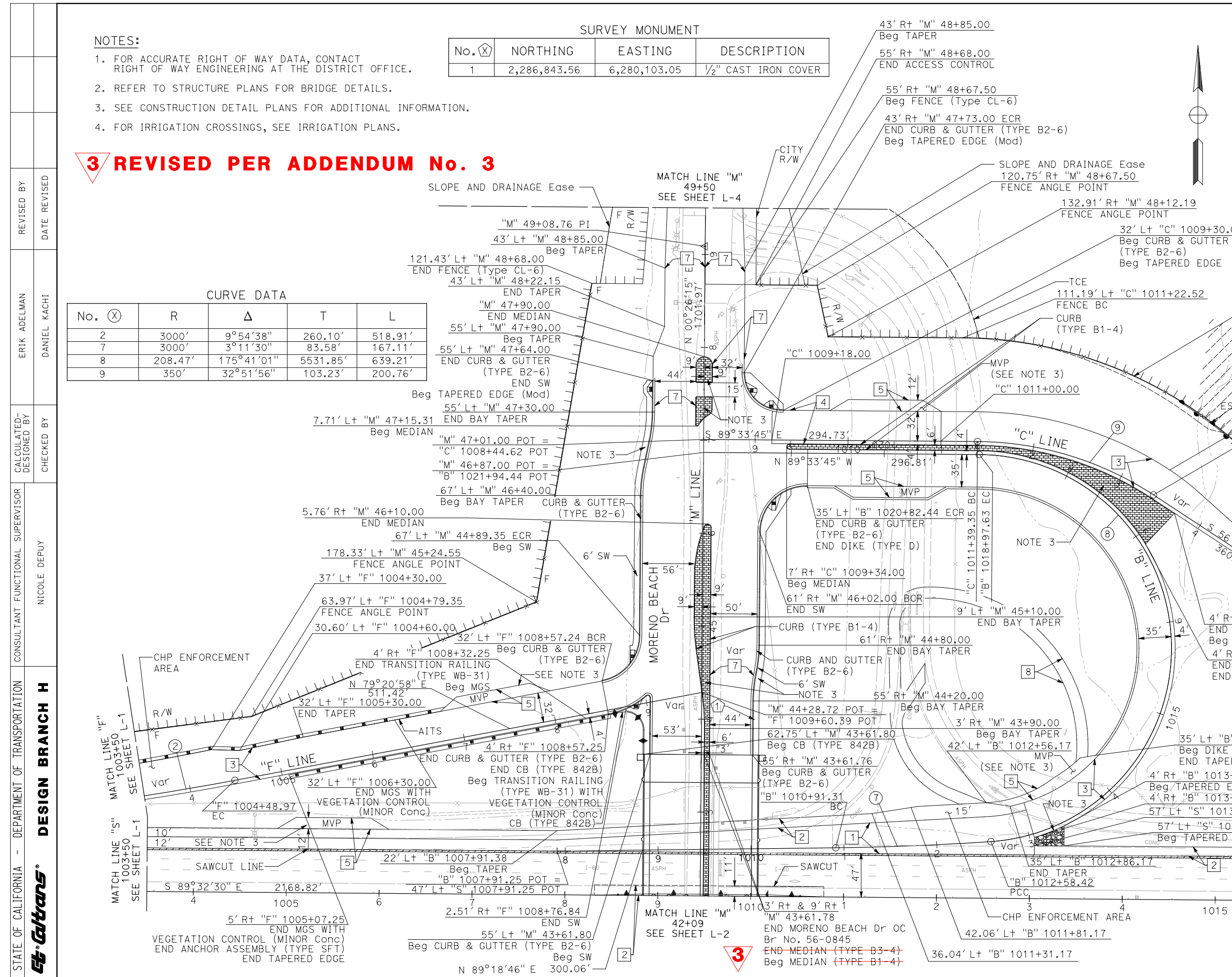
Daniel Kachi
 REGISTERED CIVIL ENGINEER 07/01/20
 DATE

DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



LAYOUT
SCALE: 1" = 50'
L-3

LAST REVISION DATE PLOTTED => 2/26/2021 00:00:00 TIME PLOTTED => 8:57:00 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

ERIK ADELMAN
 DANIEL KACHI

REVISED BY
 DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	18	358

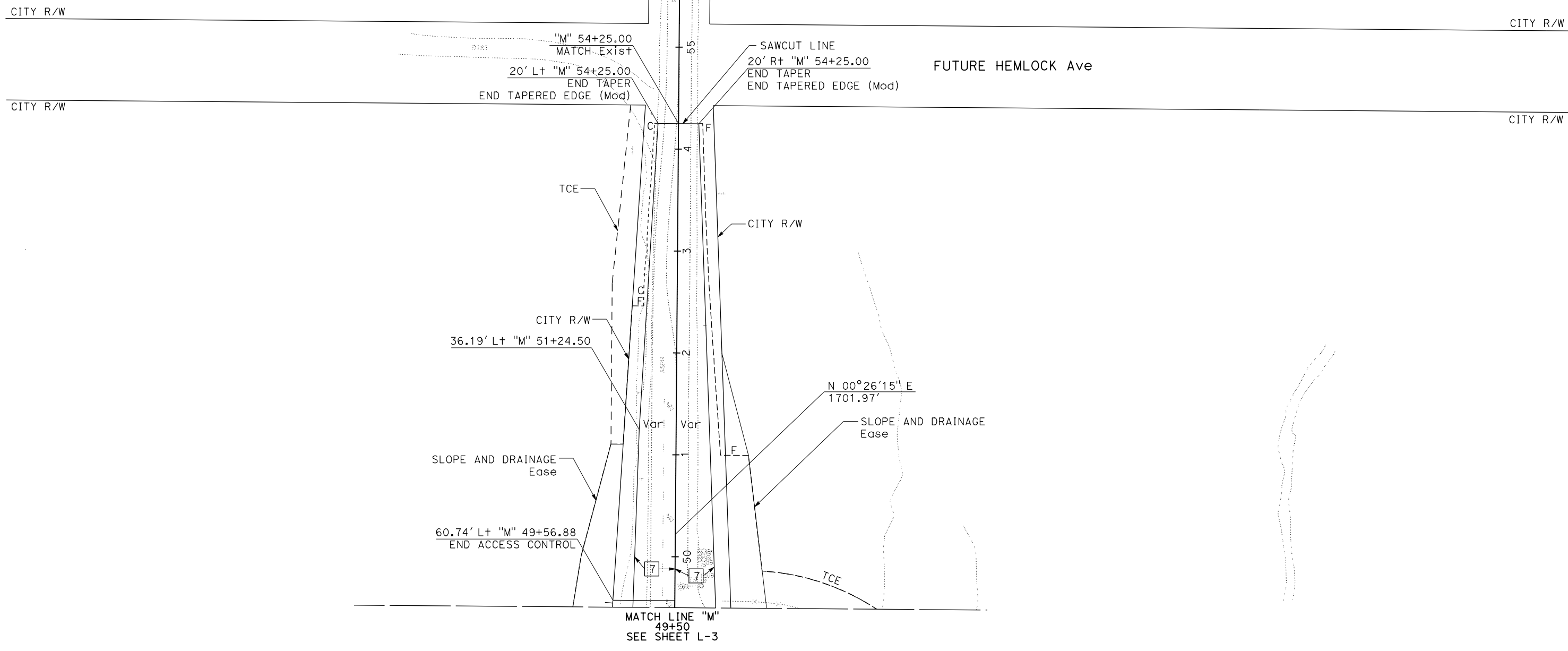
Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



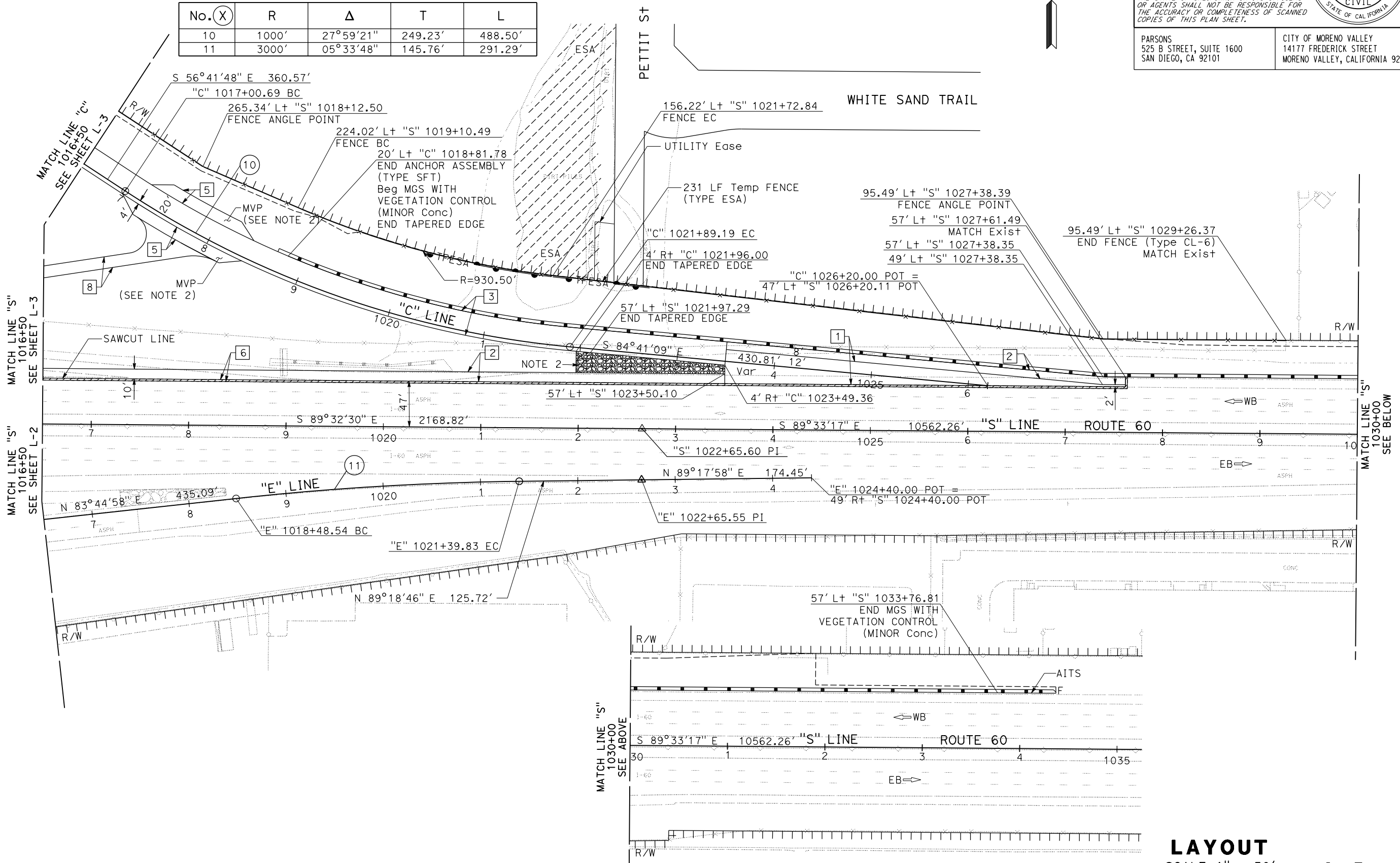
LAYOUT
 SCALE: 1" = 50'
L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISED BY: ERIK ADELMAN
 DATE REVISED: DANIEL KACHI

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE
 - SEE CONSTRUCTION DETAIL PLANS FOR ADDITIONAL INFORMATION.

CURVE DATA

No. (X)	R	Δ	T	L
10	1000'	27°59'21"	249.23'	488.50'
11	3000'	05°33'48"	145.76'	291.29'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	19	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

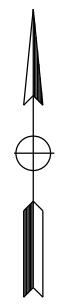
PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA



LAYOUT
 SCALE 1" = 50'
L-5

LAST REVISION DATE PLOTTED => 27-JUL-2020
 00-00-00 TIME PLOTTED => 15:50

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 ERIK ADELMAN DANIEL KACHI
 REVISED BY: DATE REVISED:

NOTES:

1. ALL WORK IN THIS SHEET IS WITHIN CITY OF MORENO VALLEY RIGHT-OF-WAY.
2. SEE CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION.

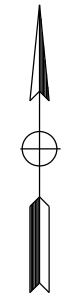
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	20	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

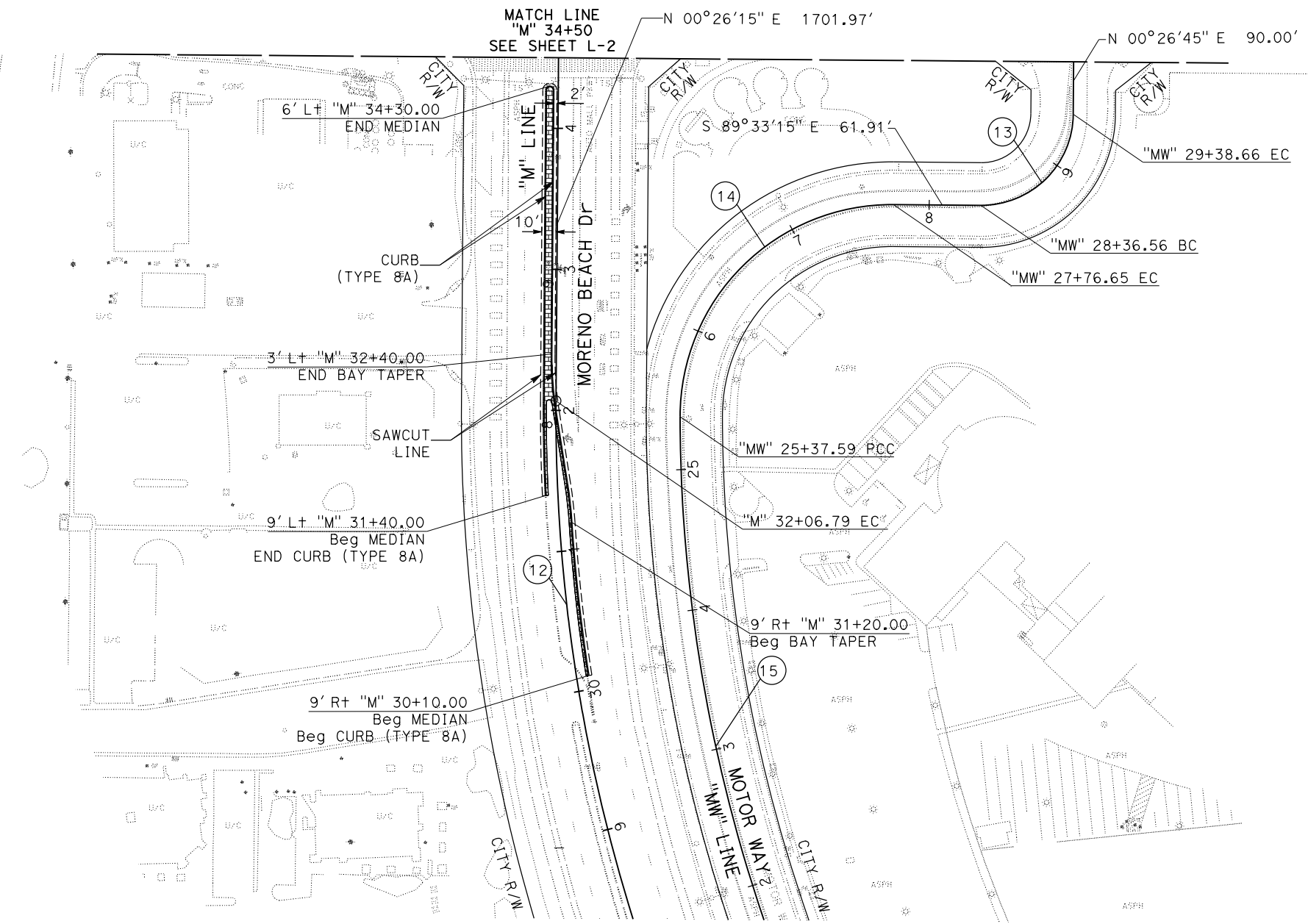
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



CURVE DATA

No. (X)	R	Δ	T	L
12	1200'	54°34'02"	618.93'	1142.85'
13	65'	90°00'00"	65'	102.10'
14	150'	90°32'49"	151.44'	237.05'
15	1112'	54°01'43"	566.94'	1048.59'



LAYOUT
 SCALE: 1" = 50'
L-6

ABBREVIATION:

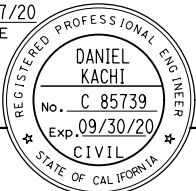
PVC POINT OF VERTICAL CURVE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	21	358

Daniel Kachi 05/27/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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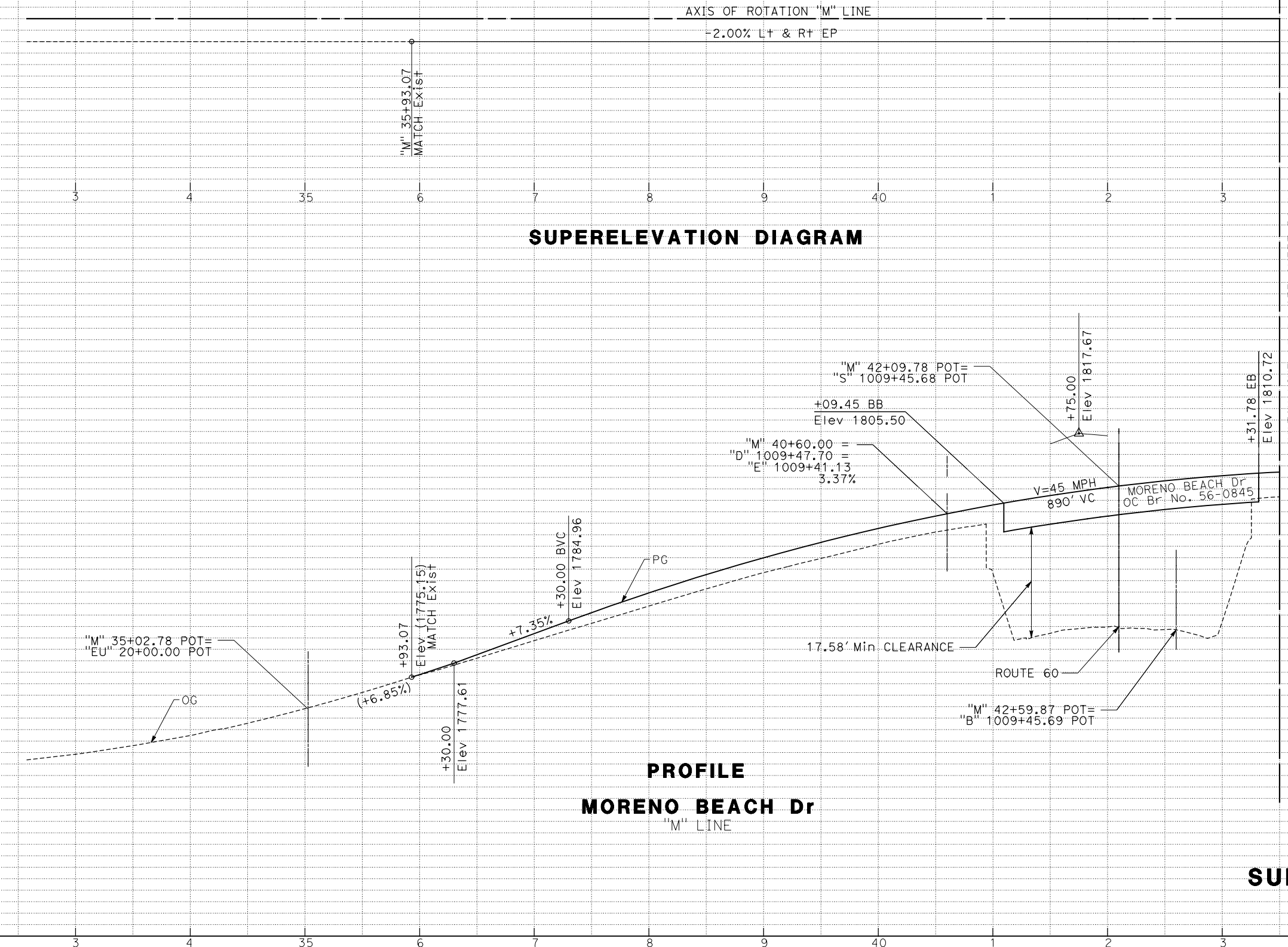


5%
 0%
 -5%

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

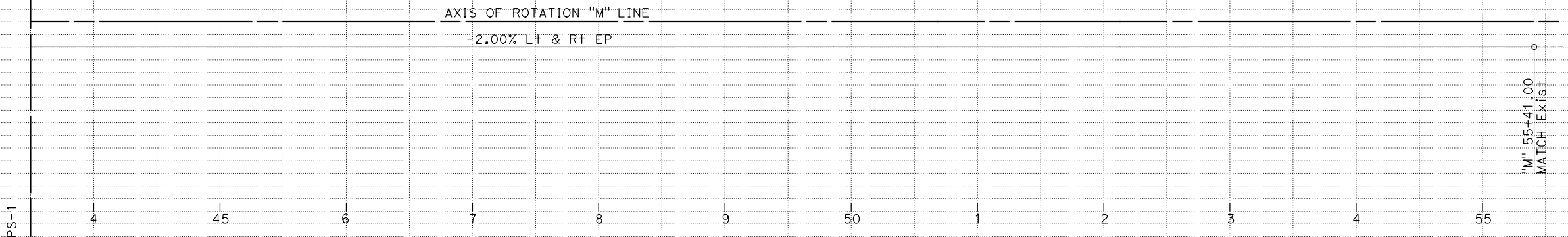
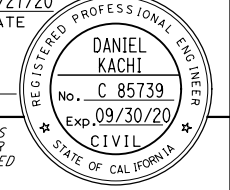
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	REVISOR	DATE
Exc	Emb						



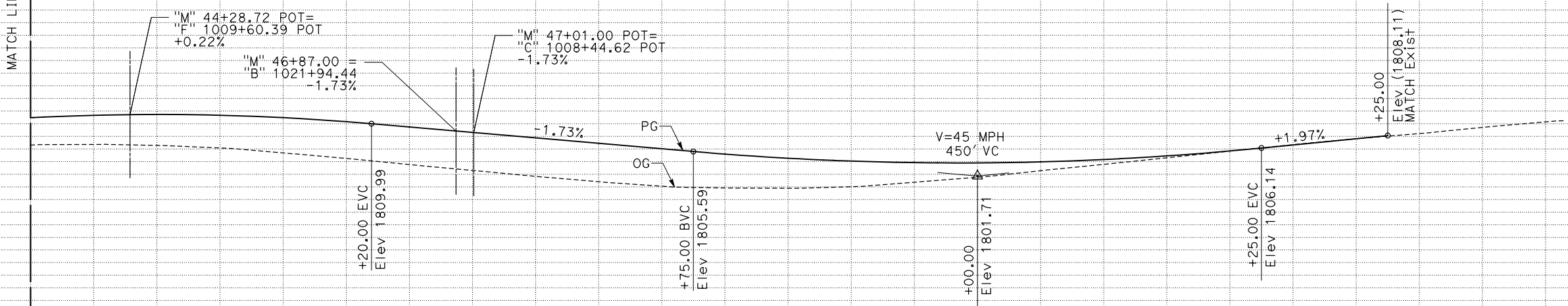
PROFILE AND SUPERELEVATION DIAGRAM
 SCALE Horiz 1" = 50'
 Vert 1" = 5'
PS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 GIANINA DEBORA DANIEL KACHI
 REVISED BY DATE REVISED
 5%
 0%
 -5%

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	22	358
			Daniel Kachi	05/27/20	
			REGISTERED CIVIL ENGINEER	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

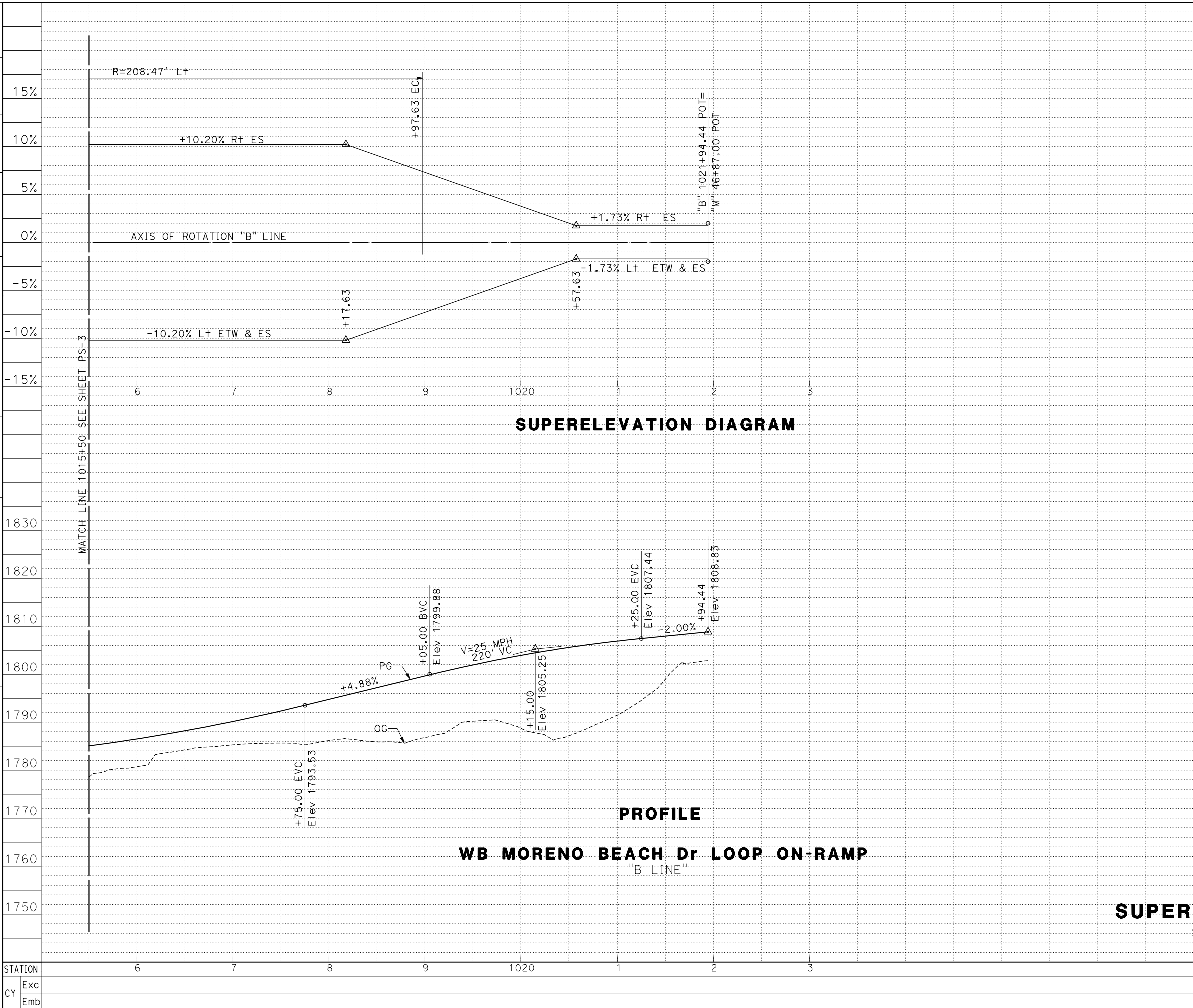


SUPERELEVATION DIAGRAM

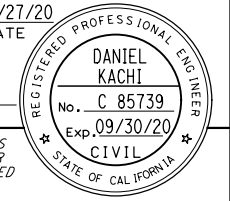


PROFILE AND SUPERELEVATION DIAGRAM
 SCALE Horiz 1" = 50'
 Vert 1" = 5'
PS-2

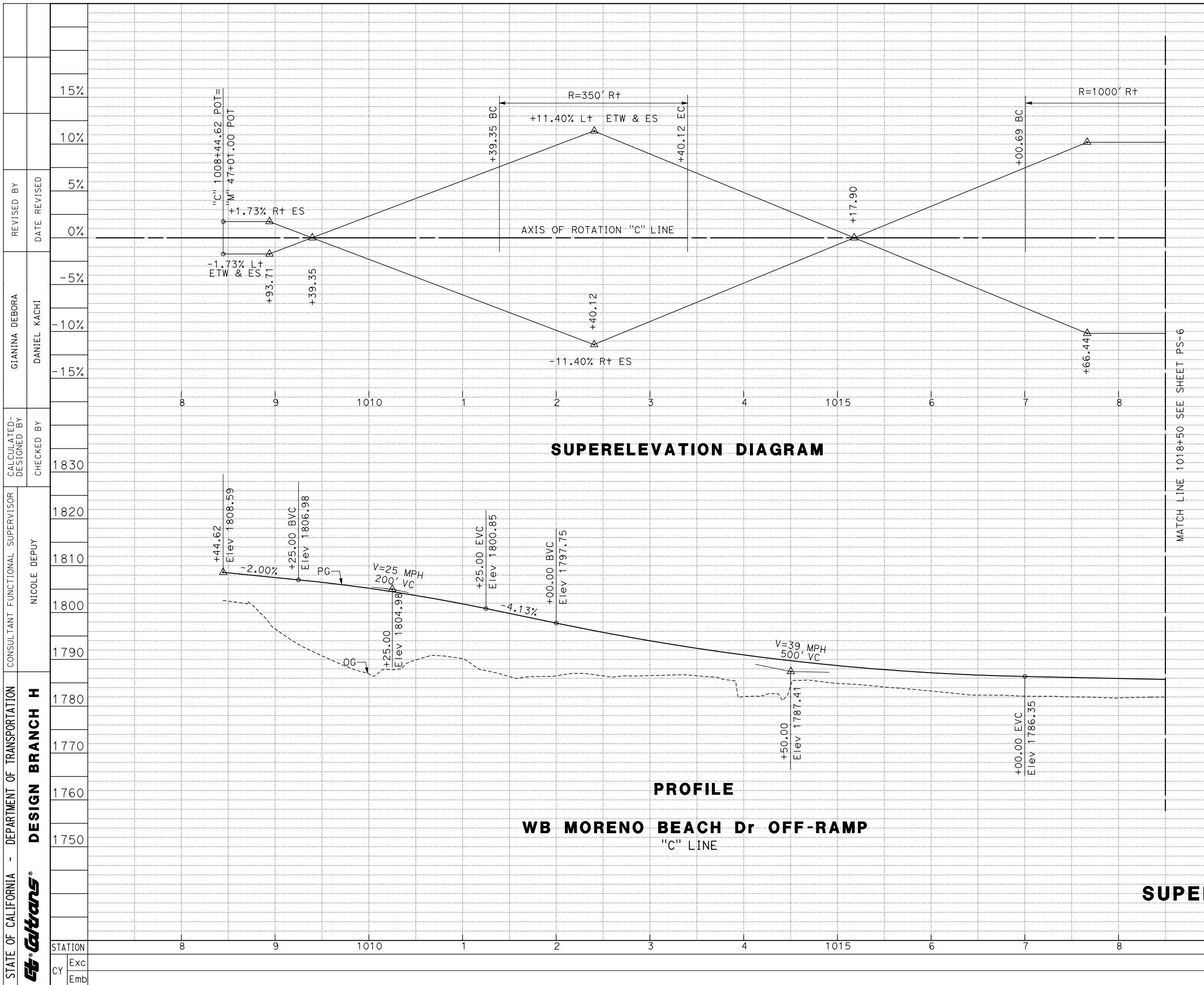
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 GIANINA DEBORA DANIEL KACHI
 REVISED BY DATE REVISED
 GIANINA DEBORA DANIEL KACHI



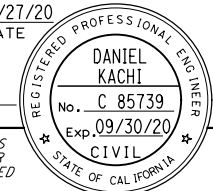
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	24	358
Daniel Kachi REGISTERED CIVIL ENGINEER PLANS APPROVAL DATE			05/27/20 DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



PROFILE AND SUPERELEVATION DIAGRAM
 SCALE Horiz 1" = 50'
 Vert 1" = 5'
PS-4



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	25	358
Daniel Kachi REGISTERED CIVIL ENGINEER			05/27/20 DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



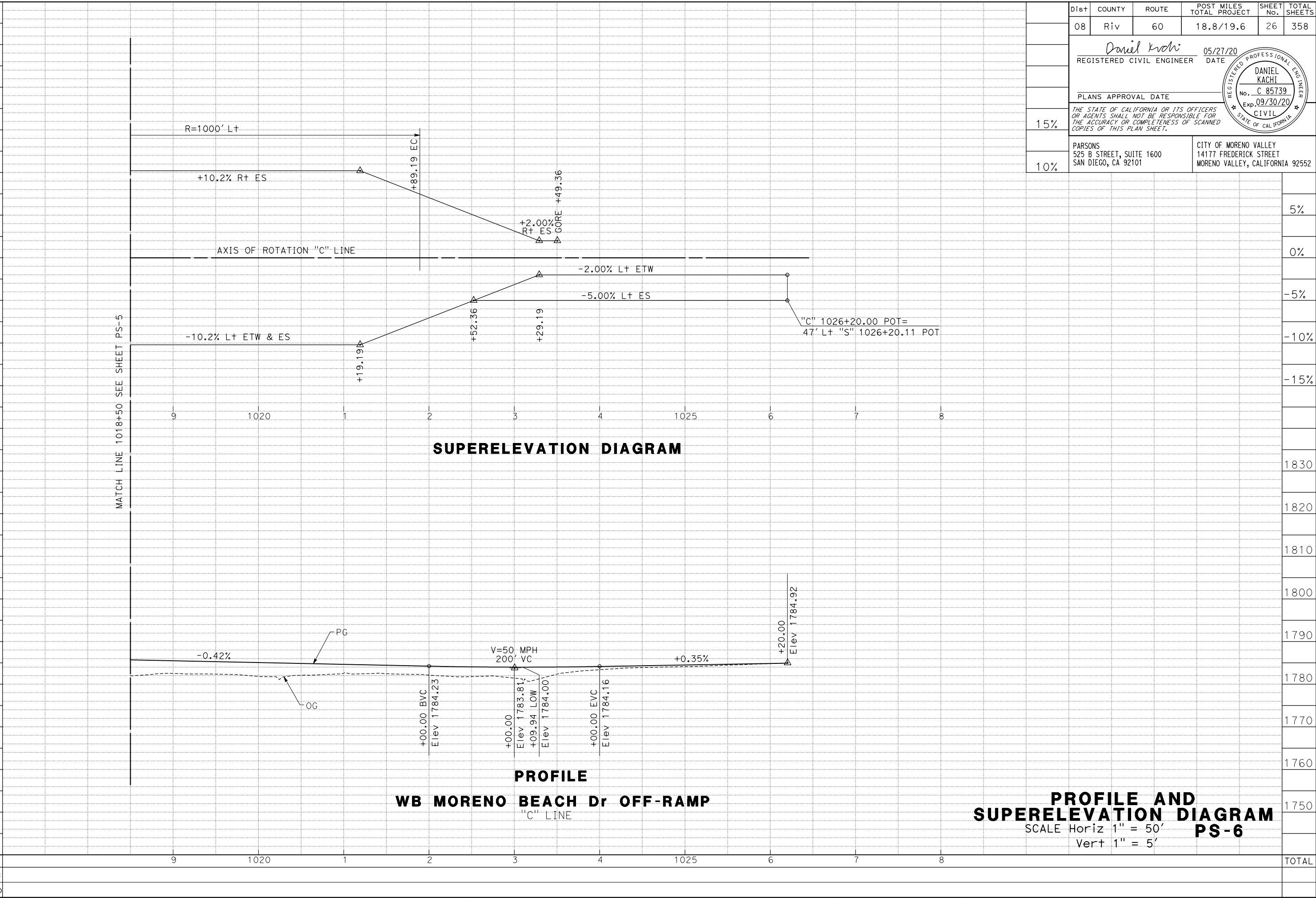
SUPERELEVATION DIAGRAM

PROFILE

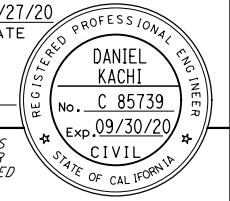
WB MORENO BEACH Dr OFF-RAMP
"C" LINE

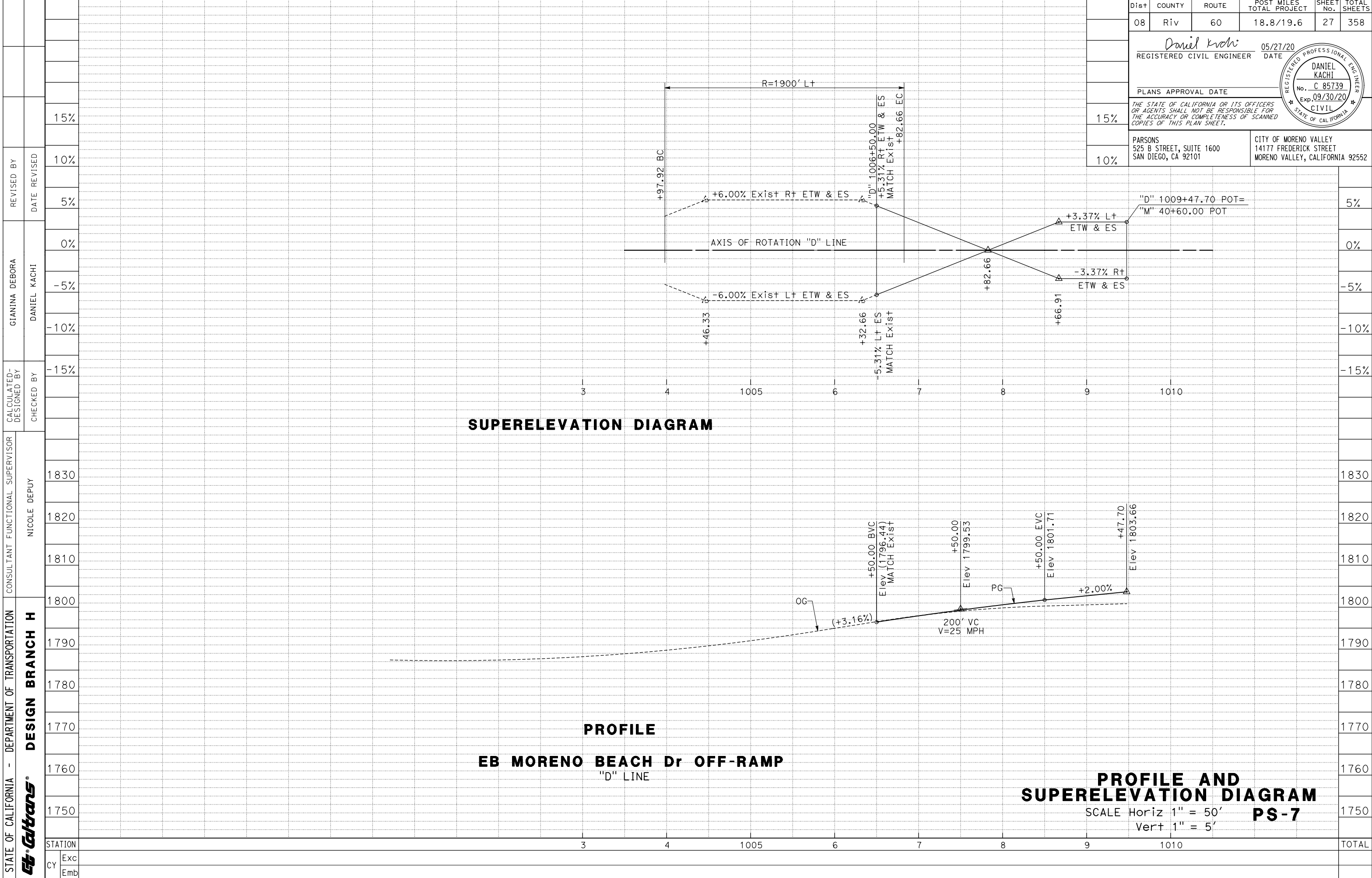
PROFILE AND SUPERELEVATION DIAGRAM
SCALE Horiz 1" = 50'
Vert 1" = 5'
PS-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H		CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	REVISOR	DATE
	GIANINA DEBORA		NICOLE DEPUY	DANIEL KACHI	DANIEL KACHI	GIANINA DEBORA	
Exc Emb	STATION	9	1020	1	2	3	4
		1025	6	7	8	TOTAL	

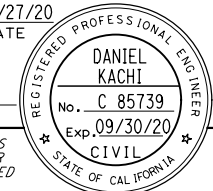


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	26	358
Daniel Kachi			05/27/20		
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

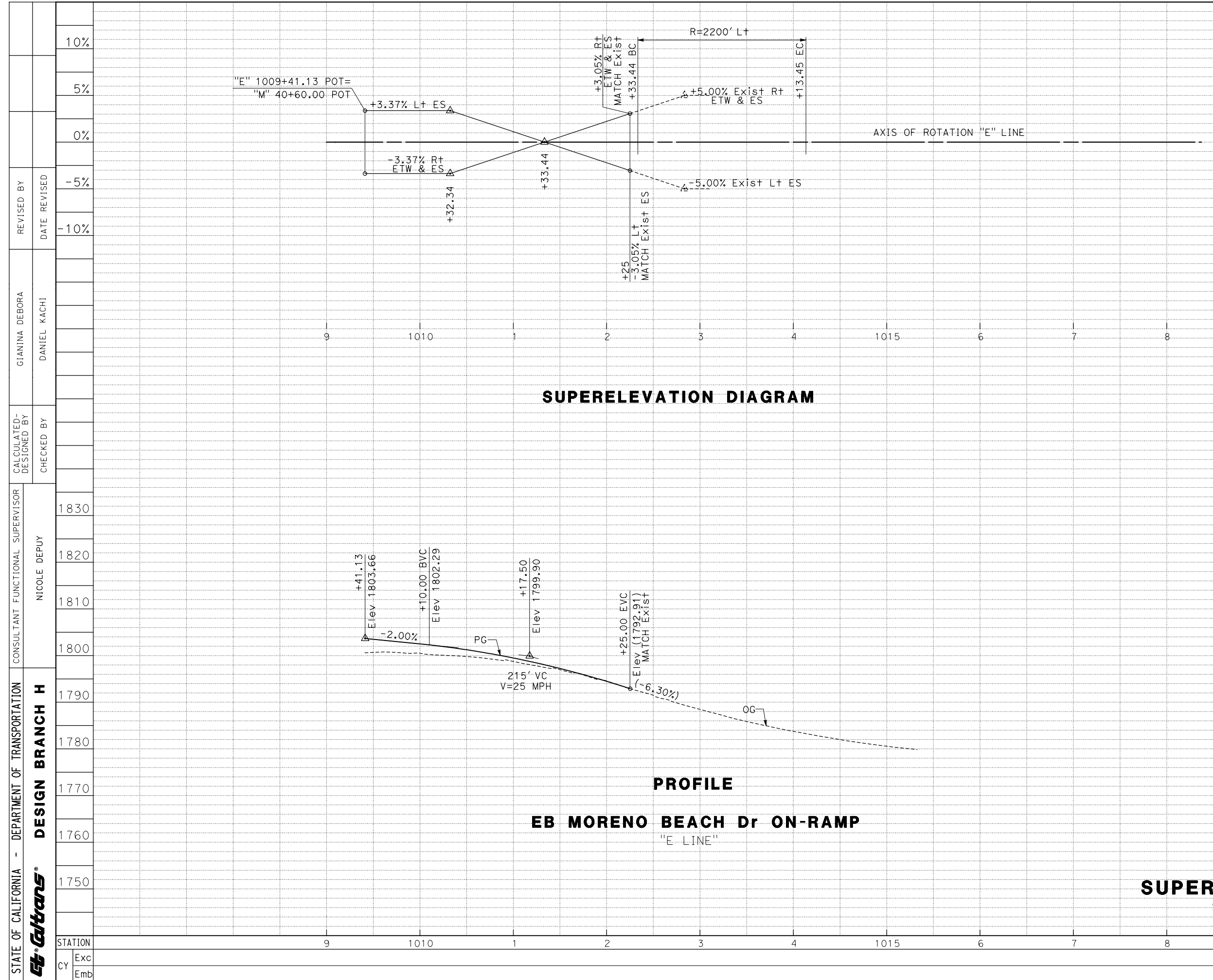




Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	27	358
Daniel Kachi REGISTERED CIVIL ENGINEER			05/27/20 DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
	CALCULATED-DESIGNED BY	CHECKED BY
REVISOR	REVISOR	REVISOR
GIANINA DEBORA	DANIEL KACHI	
15%		
10%		
5%		
0%		
-5%		
-10%		
-15%		
1830		
1820		
1810		
1800		
1790		
1780		
1770		
1760		
1750		
STATION		
CY	Exc	
	Emb	

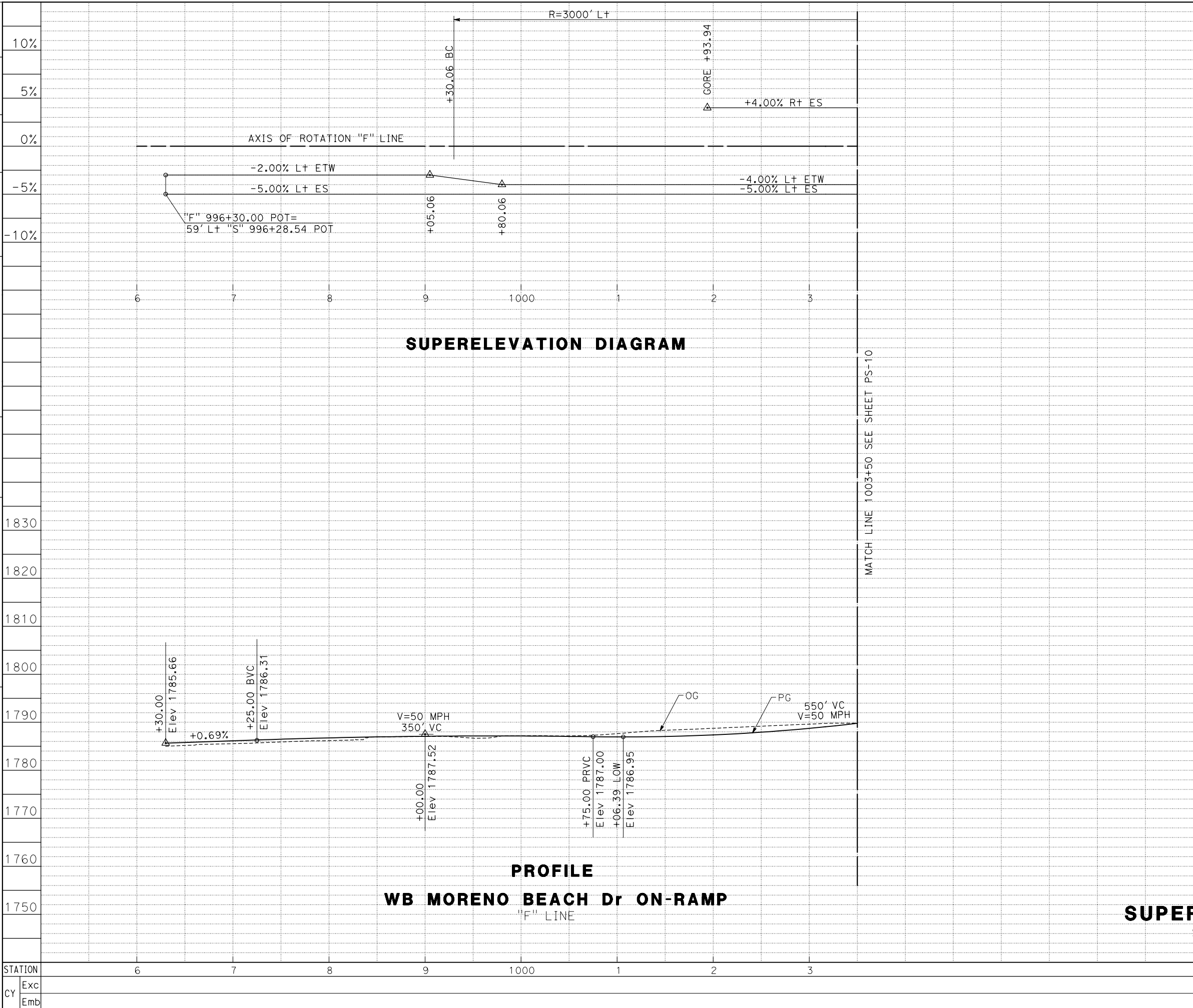


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	28	358
Daniel Kachi REGISTERED CIVIL ENGINEER DATE 05/27/20					
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

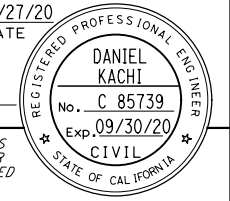
REVISED BY	DATE	REVISION
	REVISED	
CALCULATED/DESIGNED BY	CHECKED BY	REVISION
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	1830
		1820
DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	1810
		1800
STATE OF CALIFORNIA	EB MORENO BEACH Dr ON-RAMP "E" LINE	1790
		1780
CY	Exc	1770
		1760
CY	Emb	1750
		TOTAL

PROFILE AND SUPERELEVATION DIAGRAM
 SCALE Horiz 1" = 50'
 Vert 1" = 5'
PS-8

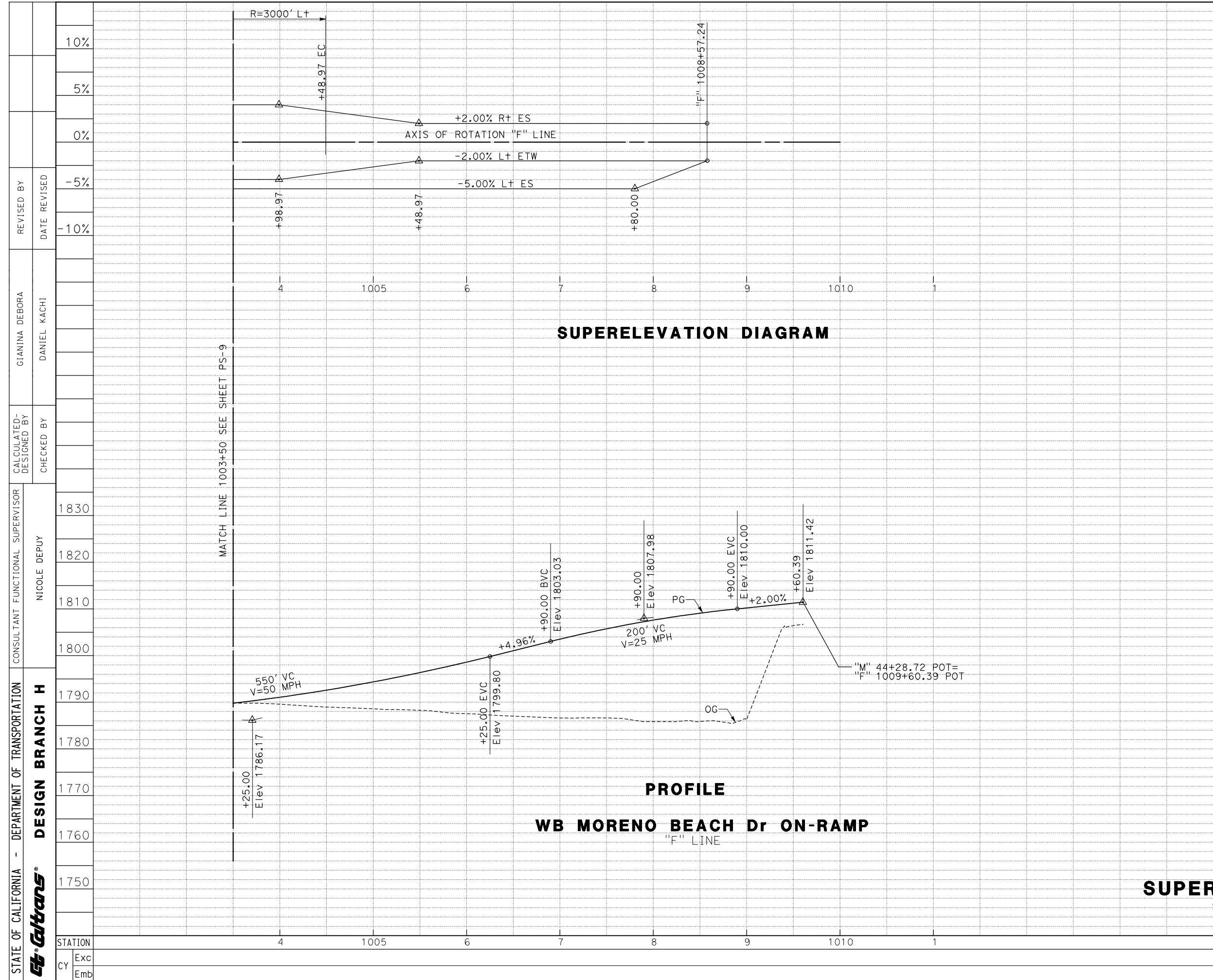
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 GIANINA DEBORA
 DANIEL KACHI
 CHECKED BY
 CALCULATED-DESIGNED BY
 REVISOR
 DATE REVISOR
 DATE REVISOR



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	29	358
10%		Daniel Kachi REGISTERED CIVIL ENGINEER DATE 05/27/20			
5%		PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			
0%		PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			
-5%		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552			



PROFILE AND SUPERELEVATION DIAGRAM
 SCALE Horiz 1" = 50'
 Vert 1" = 5'
PS-9



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	30	358
10%		Daniel Kachi REGISTERED CIVIL ENGINEER DATE 05/27/20			
5%		PLANS APPROVAL DATE No. C 85739 Exp. 09/30/20 CIVIL STATE OF CALIFORNIA			
0%		THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			
-5%		PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY




GIANINA DEBORA
 DANIEL KACHI

REVISED BY
 DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ABBREVIATION:
 AP ANGLE POINT

LEGEND:

-  REMOVE AC Pvmt
-  REMOVE Conc SW
-  REMOVE Conc (Misc)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	31	358

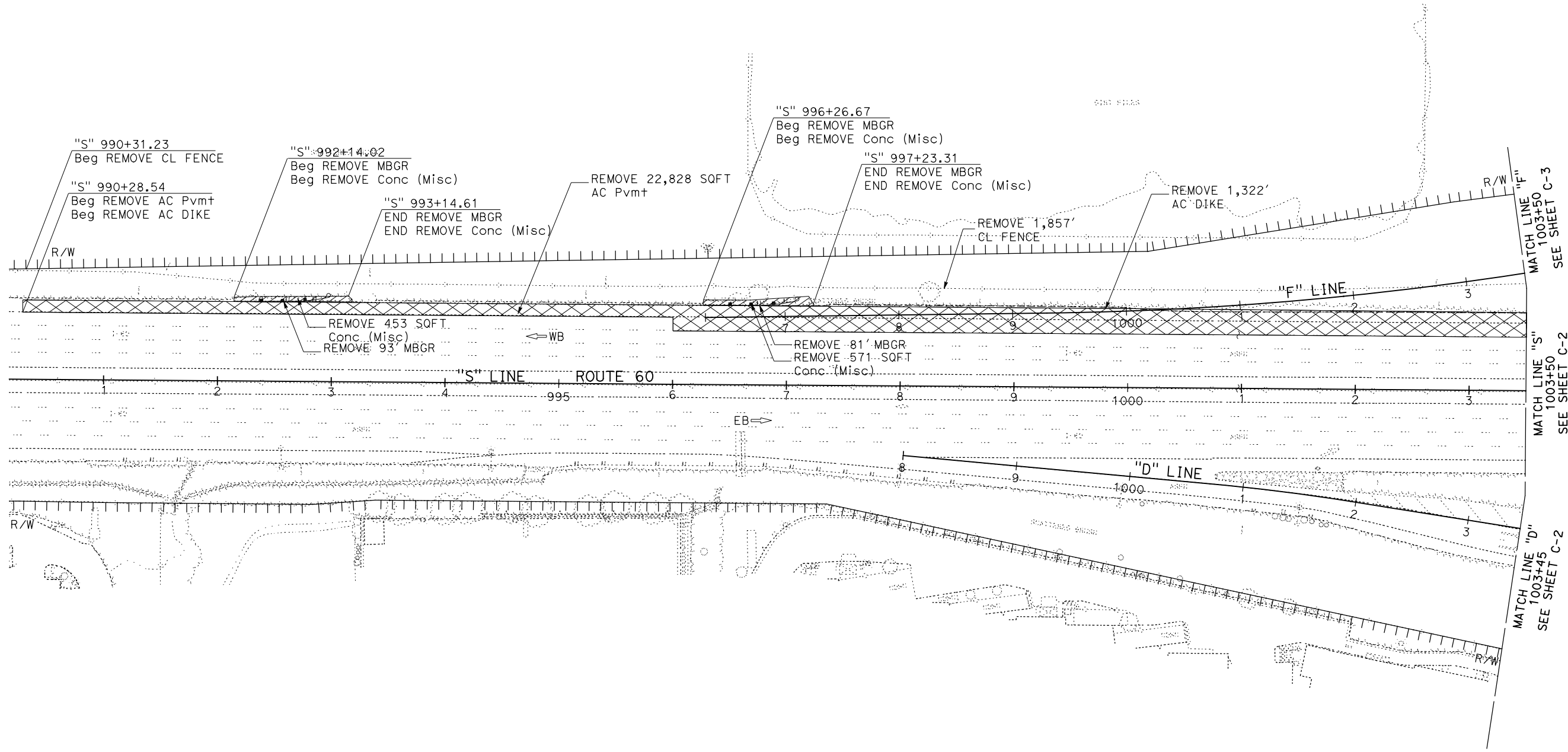
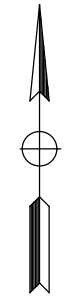
Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

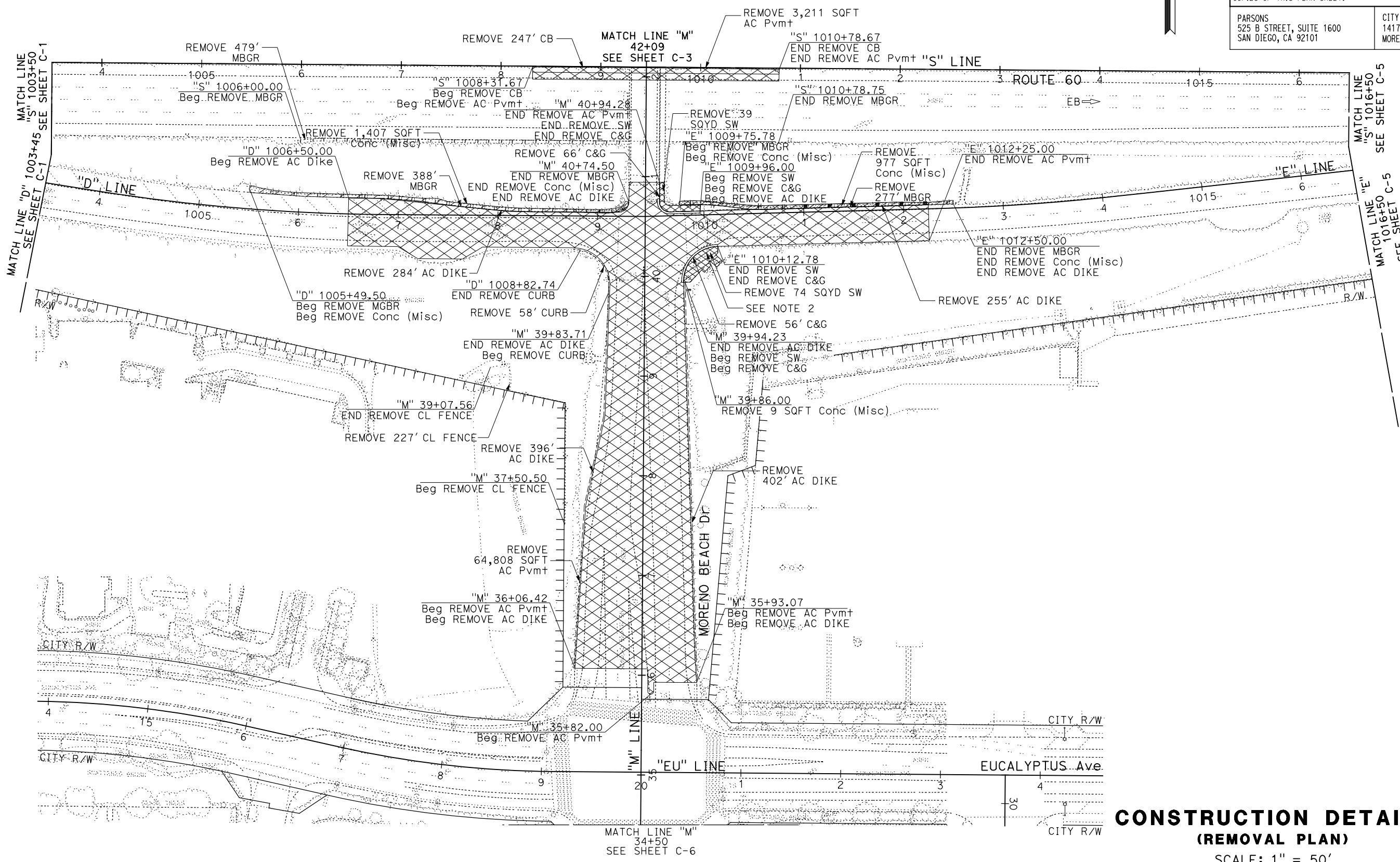
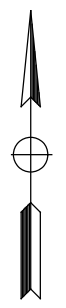


CONSTRUCTION DETAILS
(REMOVAL PLAN)
 SCALE: 1" = 50'

C-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	32	358
<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - SALVAGE 6LF METAL RAILING.



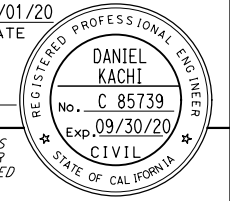
**CONSTRUCTION DETAILS
(REMOVAL PLAN)**

SCALE: 1" = 50'

C-2

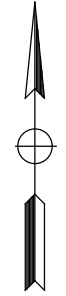
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
GIANINA DEBORA	DANIEL KACHI
REVISED BY	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	33	358
<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

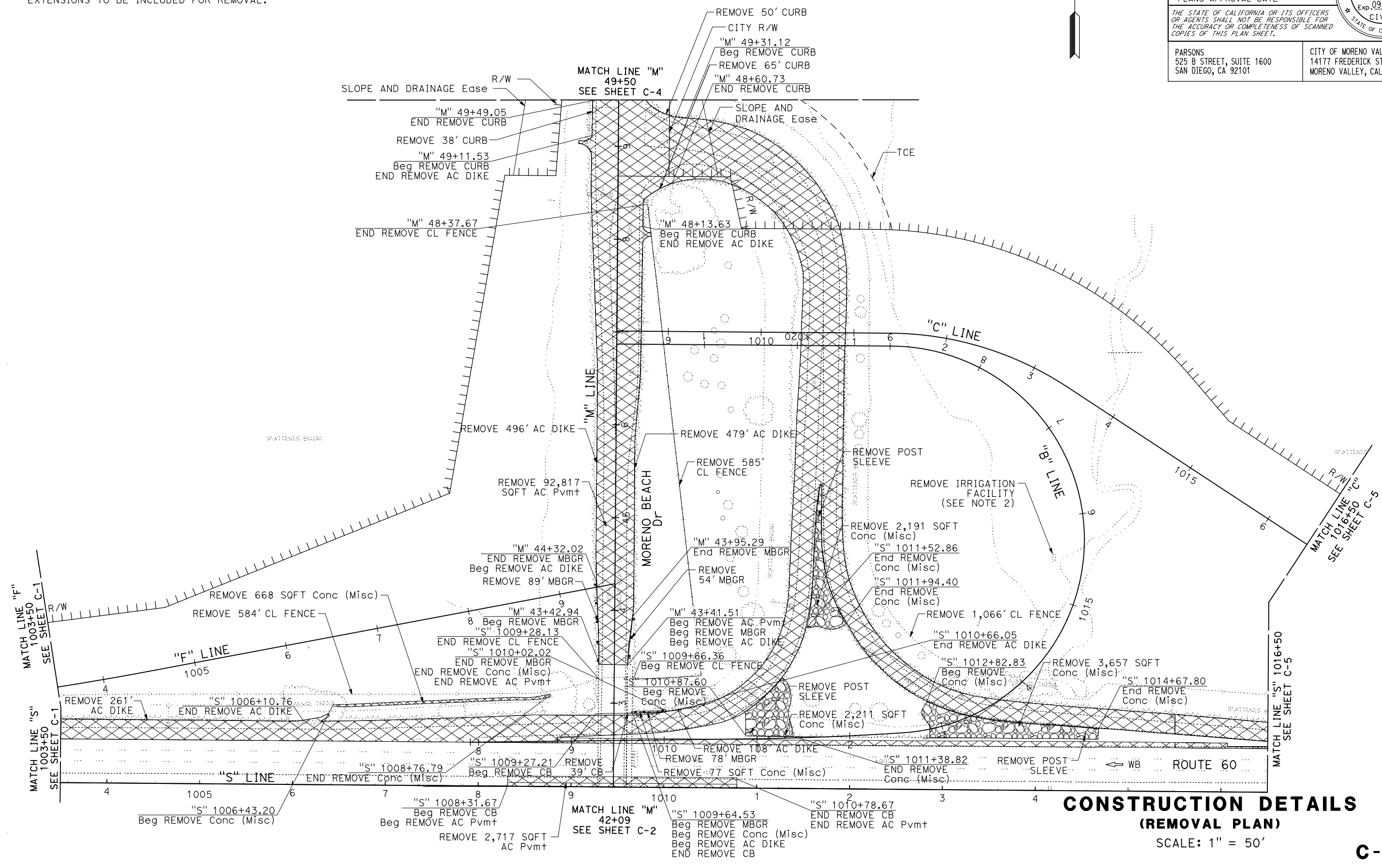


NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR REMOVAL OF IRRIGATION FACILITY NEAR EXISTING WB OFF RAMP, ALL RELATED PARTS, PIPES, BLOCKS AND EXTENSIONS TO BE INCLUDED FOR REMOVAL.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
REVISOR	DATE
GIANINA DEBORA	DANIEL KACHI



LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 16:31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

GIANINA DEBORA
 DANIEL KACHI

REVISED BY
 DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	34	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

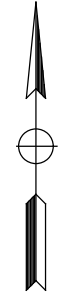
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

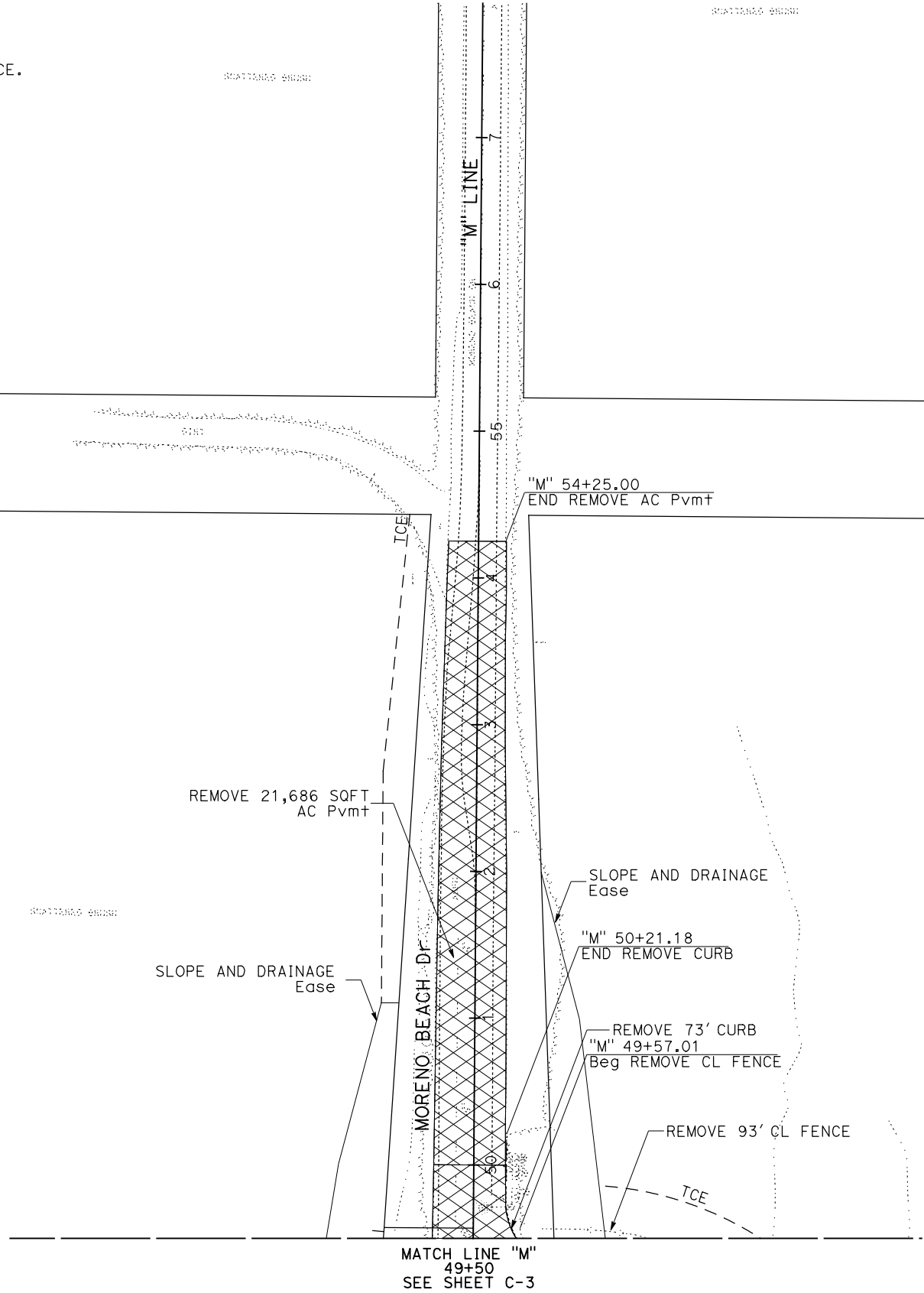


CITY R/W

CITY R/W

CITY R/W

CITY R/W



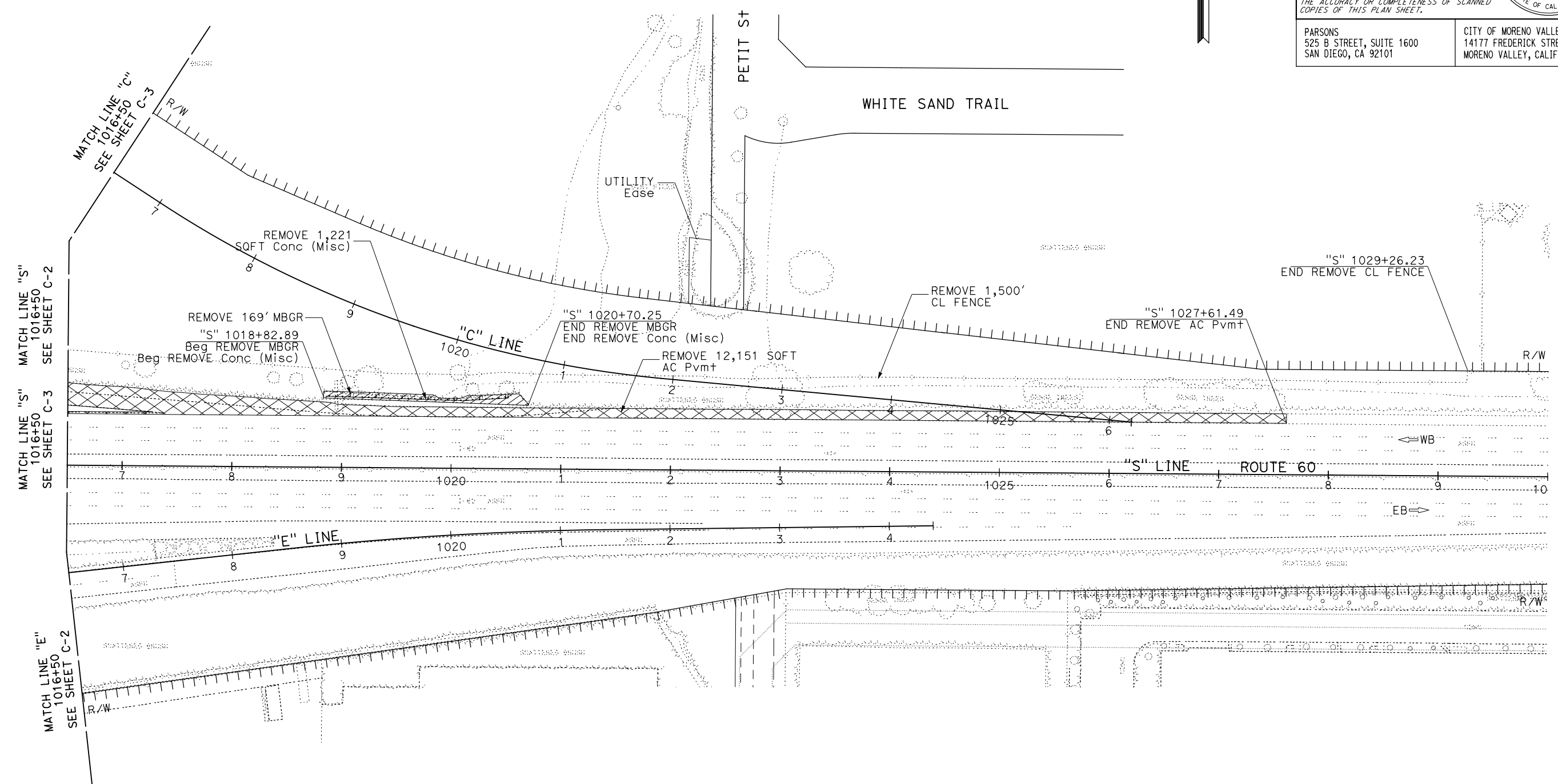
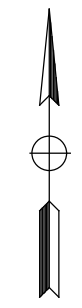
CONSTRUCTION DETAILS
(REMOVAL PLAN)
 SCALE: 1" = 50'

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISED BY: DANIEL KACHI
 DATE REVISED:

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	35	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



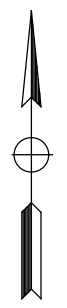
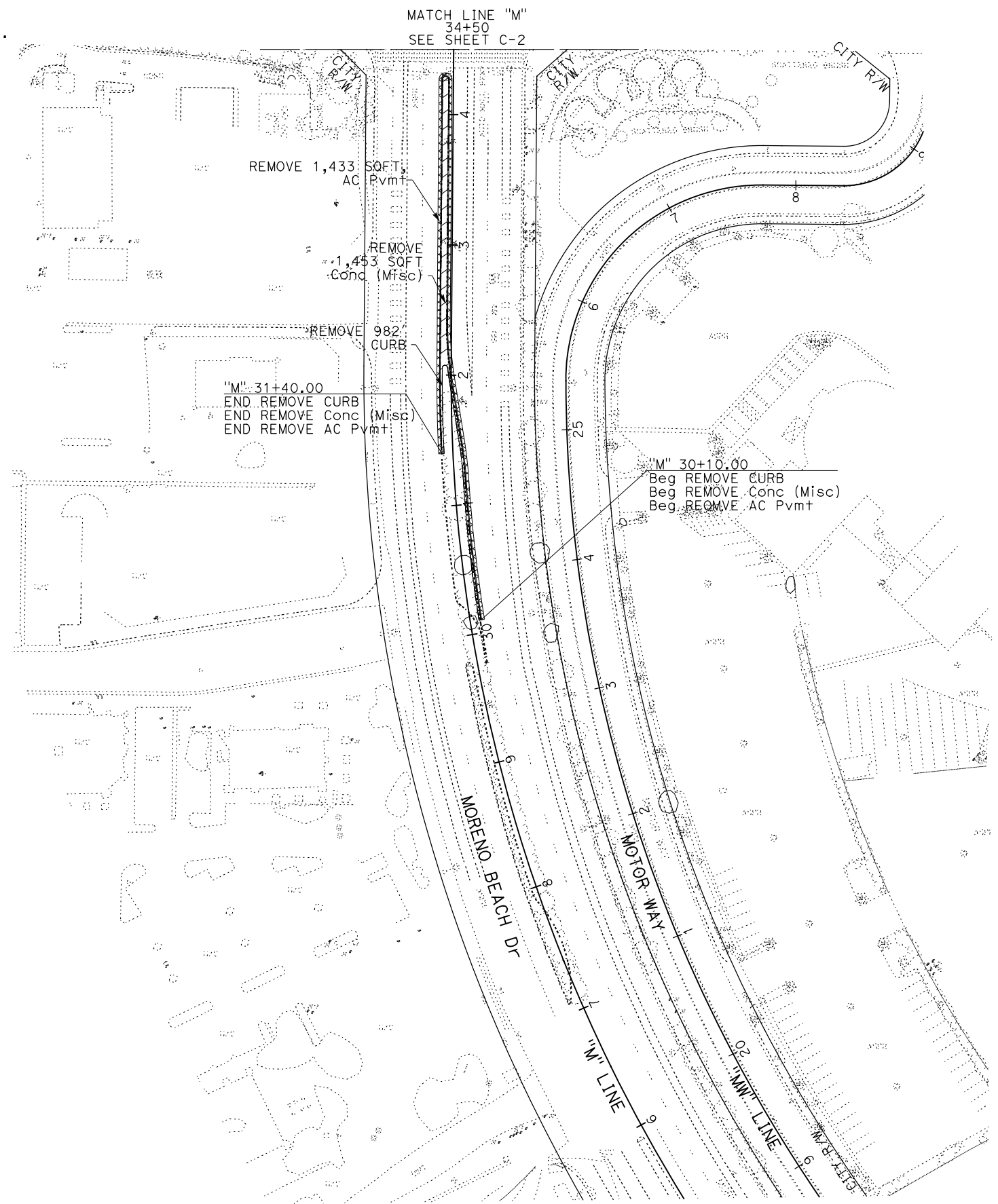
CONSTRUCTION DETAILS
(REMOVAL PLAN)
 SCALE: 1" = 50'

C-5

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 16:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	36	358
			<i>Daniel Kachi</i> 07/01/20 REGISTERED CIVIL ENGINEER DATE		
			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT	FRANK ADALMAN SUPERVISOR	NICOLE DEPUY	CALCULATED- DESIGNED BY	CHECKED BY	ERIK ADELMAN	DANIEL KACHI	REVISED BY	DATE REVISED
Caltrans										

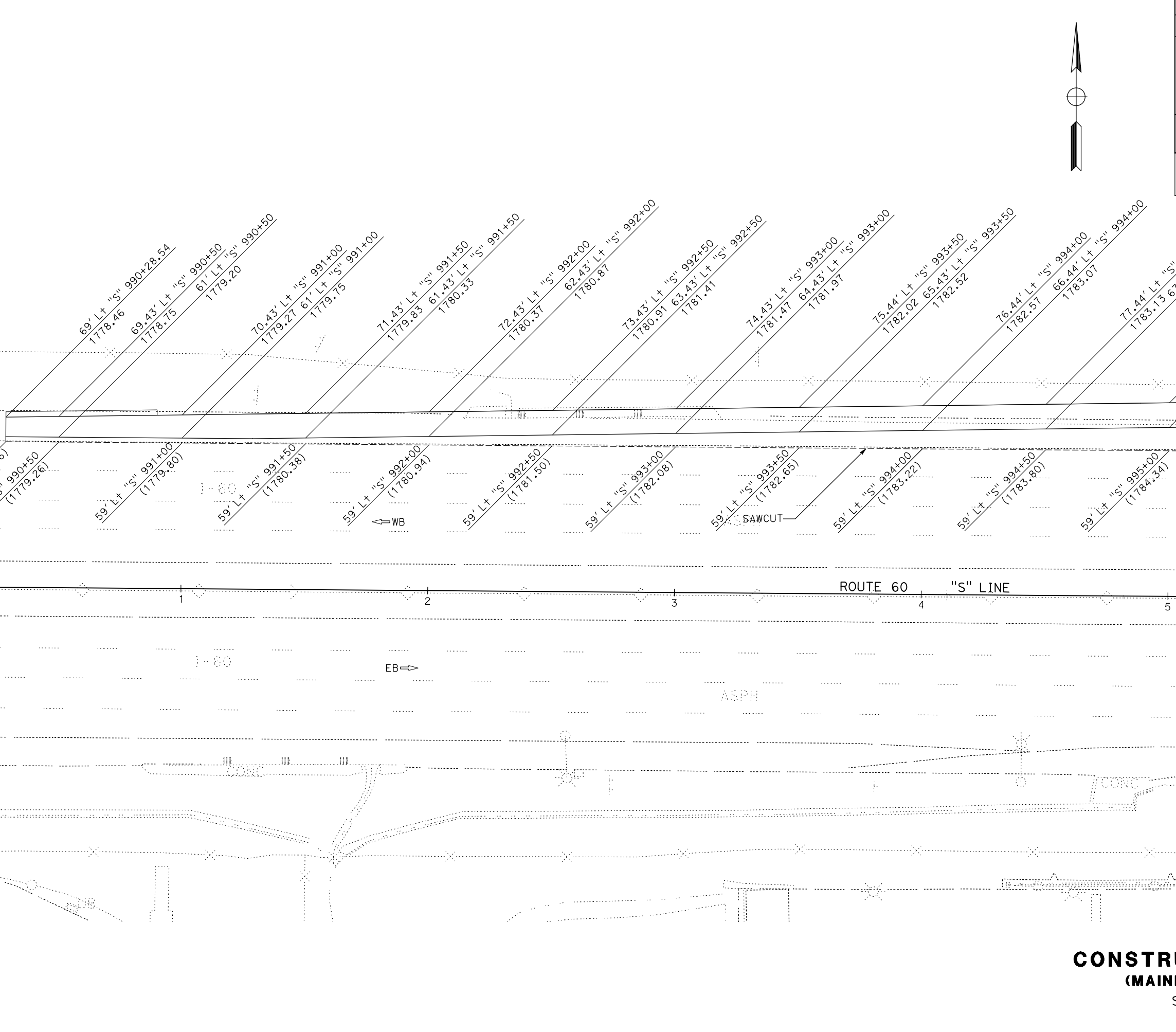
CONSTRUCTION DETAILS
(REMOVAL PLAN)
 SCALE: 1" = 50'

C-6

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 16:32

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: [blank]
 CHECKED BY: [blank]
 GIANINA DEBORA
 DANIEL KACHI
 REVISED BY: [blank]
 DATE REVISED: [blank]



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	37	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

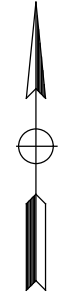
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



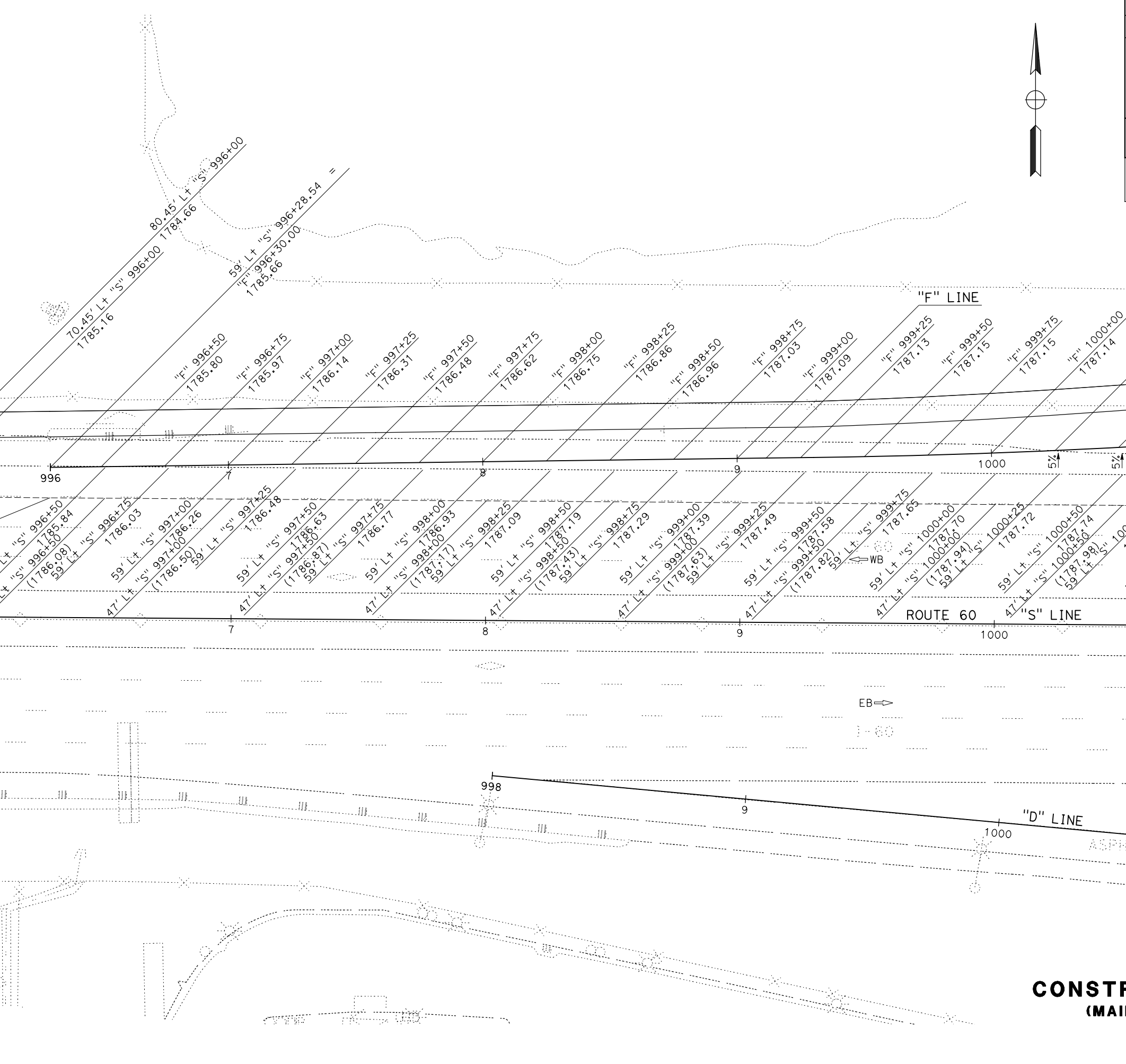
CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)

SCALE: 1" = 20'

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISIONS: (None listed)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	38	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)
 SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISOR: GIANINA DEBORA
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

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 DATE: 07/01/20


REVISOR: DANIEL KACHI
 DATE: 07/01/20

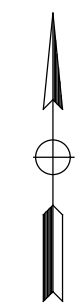
REVISOR: DANIEL KACHI
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

REVISOR: DANIEL KACHI
 DATE: 07/01/20

LEGEND:
 MINOR CONCRETE (COBBLESTONE STAMPED CONCRETE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	39	358

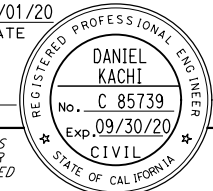
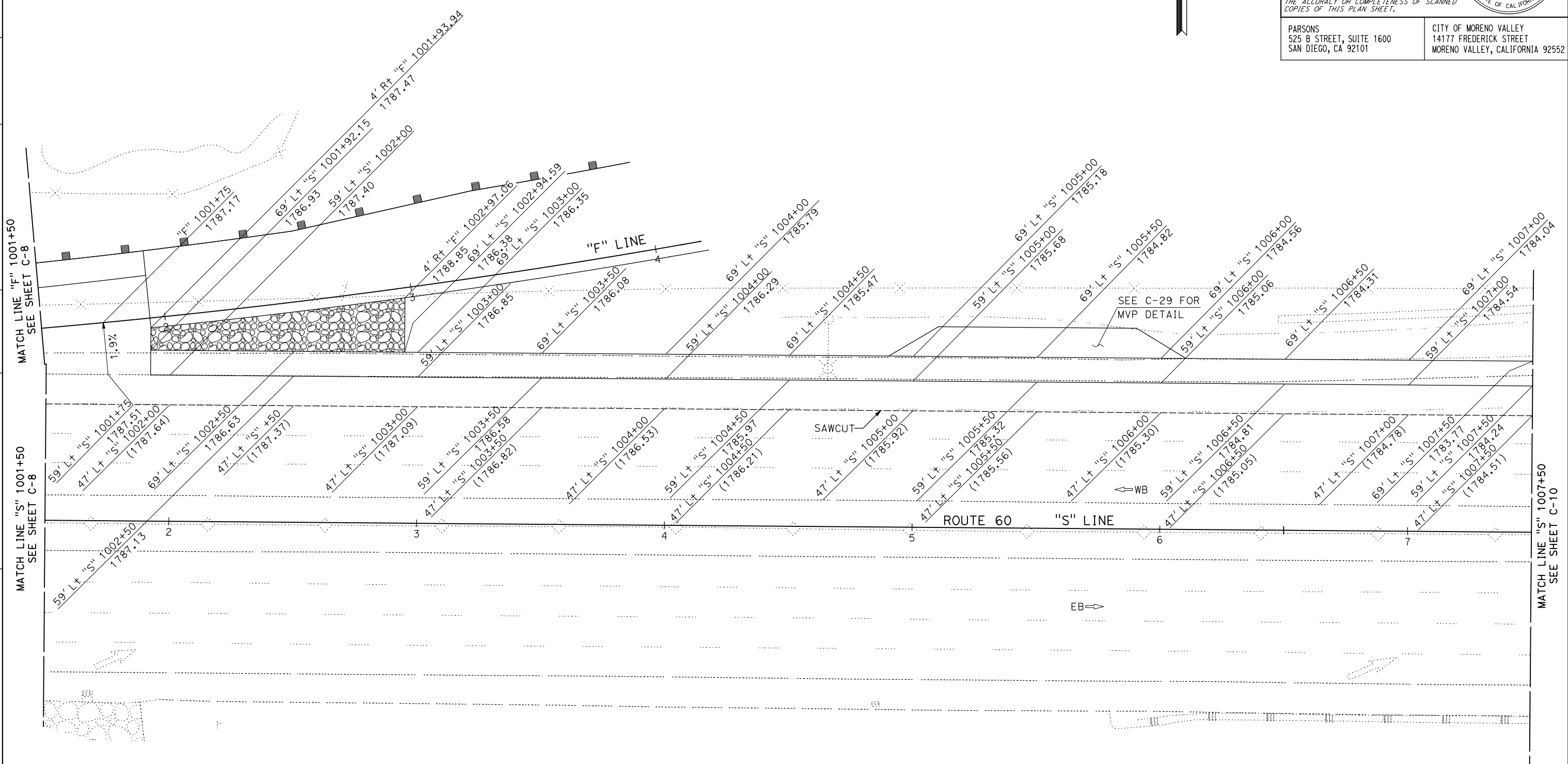
Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

**CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)**

SCALE: 1" = 20'

C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISED BY: GIANINA DEBORA
 DATE REVISED: DANIEL KACHI

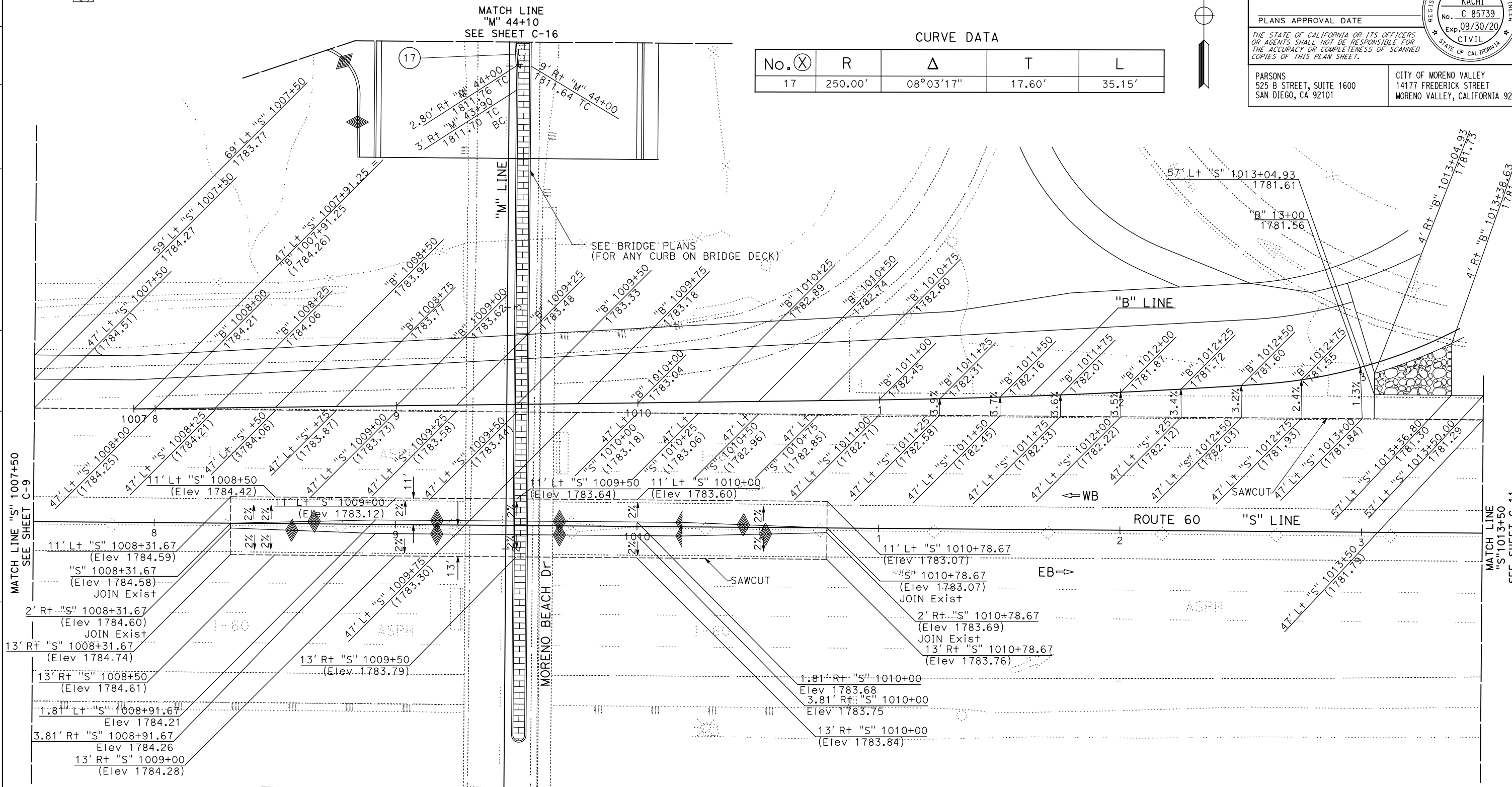
LEGEND:
 MINOR CONCRETE (STAMPED CONCRETE)
 MINOR CONCRETE (COBBLESTONE STAMPED CONCRETE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	40	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER 07/01/20 DATE
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

CURVE DATA

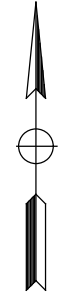
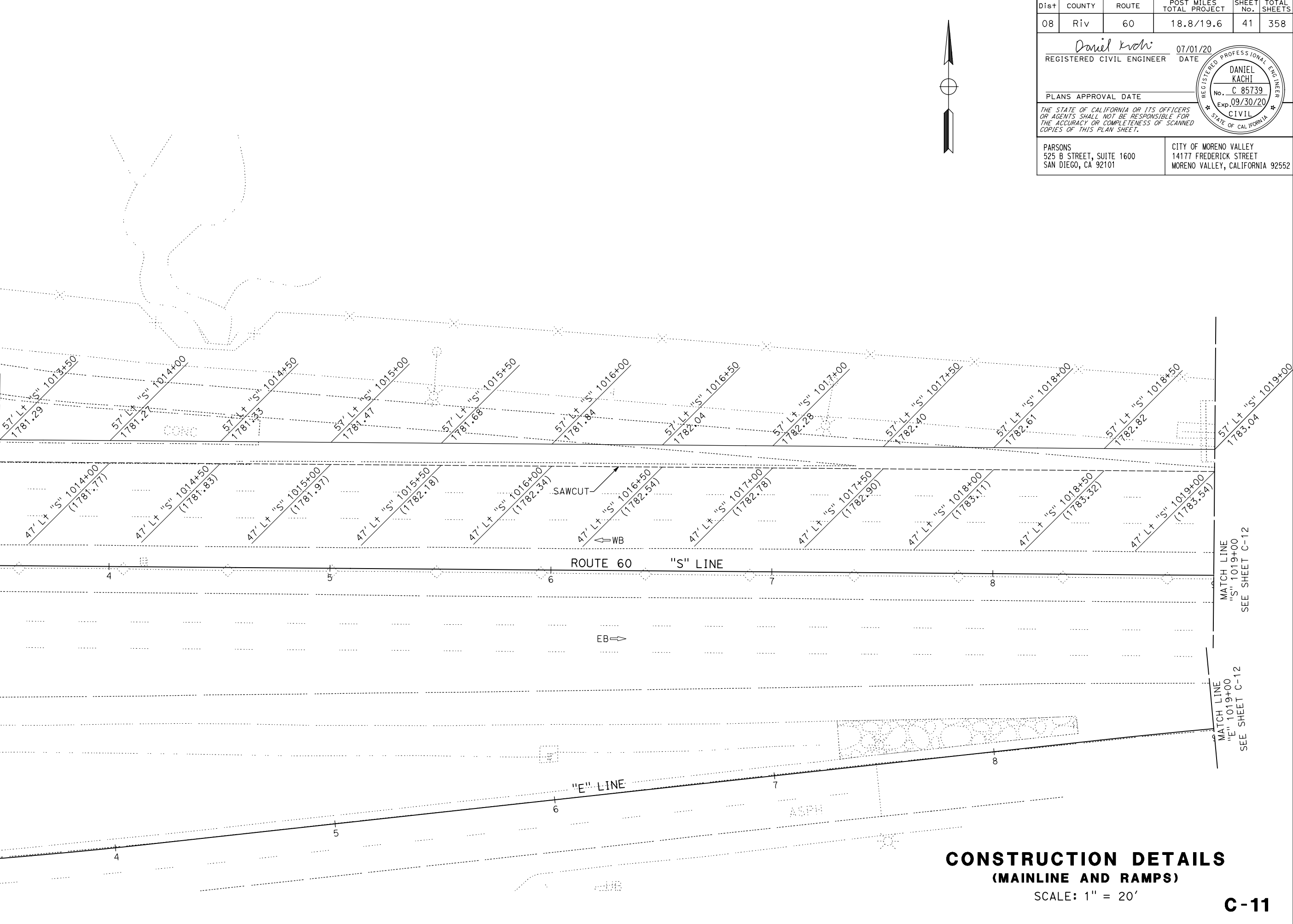
No. X	R	Δ	T	L
17	250.00'	08°03'17"	17.60'	35.15'



CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)
 SCALE: 1" = 20' **C-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISOR: GIANINA DEBORA
 DATE: 07/01/20



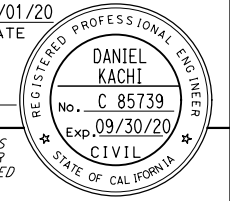
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	41	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)
 SCALE: 1" = 20'

C-11

LEGEND:

 MINOR CONCRETE (COBBLESTONE STAMPED CONCRETE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	42	358

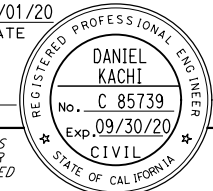
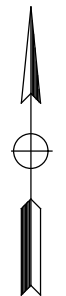
Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

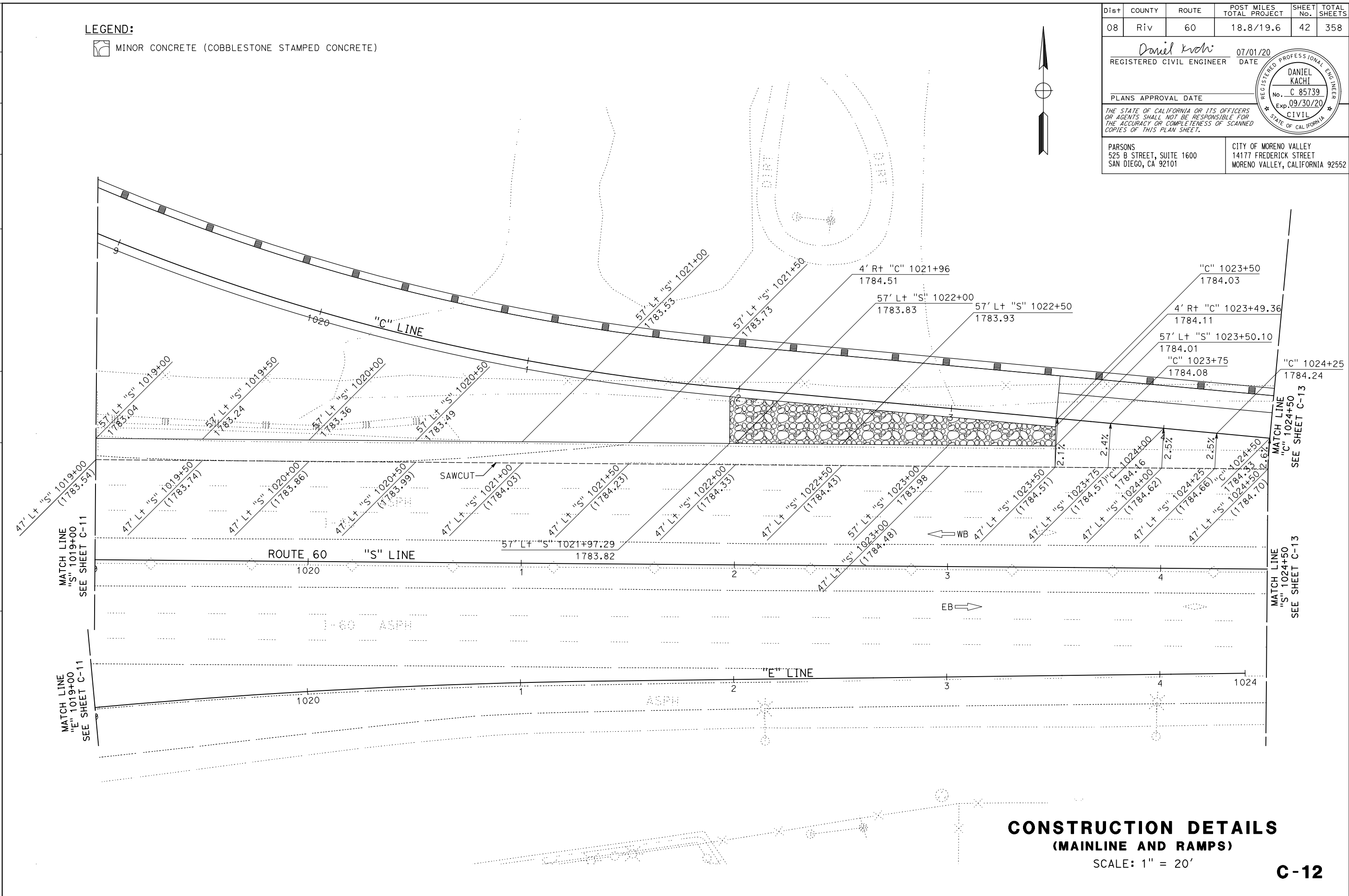
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H



**CONSTRUCTION DETAILS
 (MAINLINE AND RAMPS)**

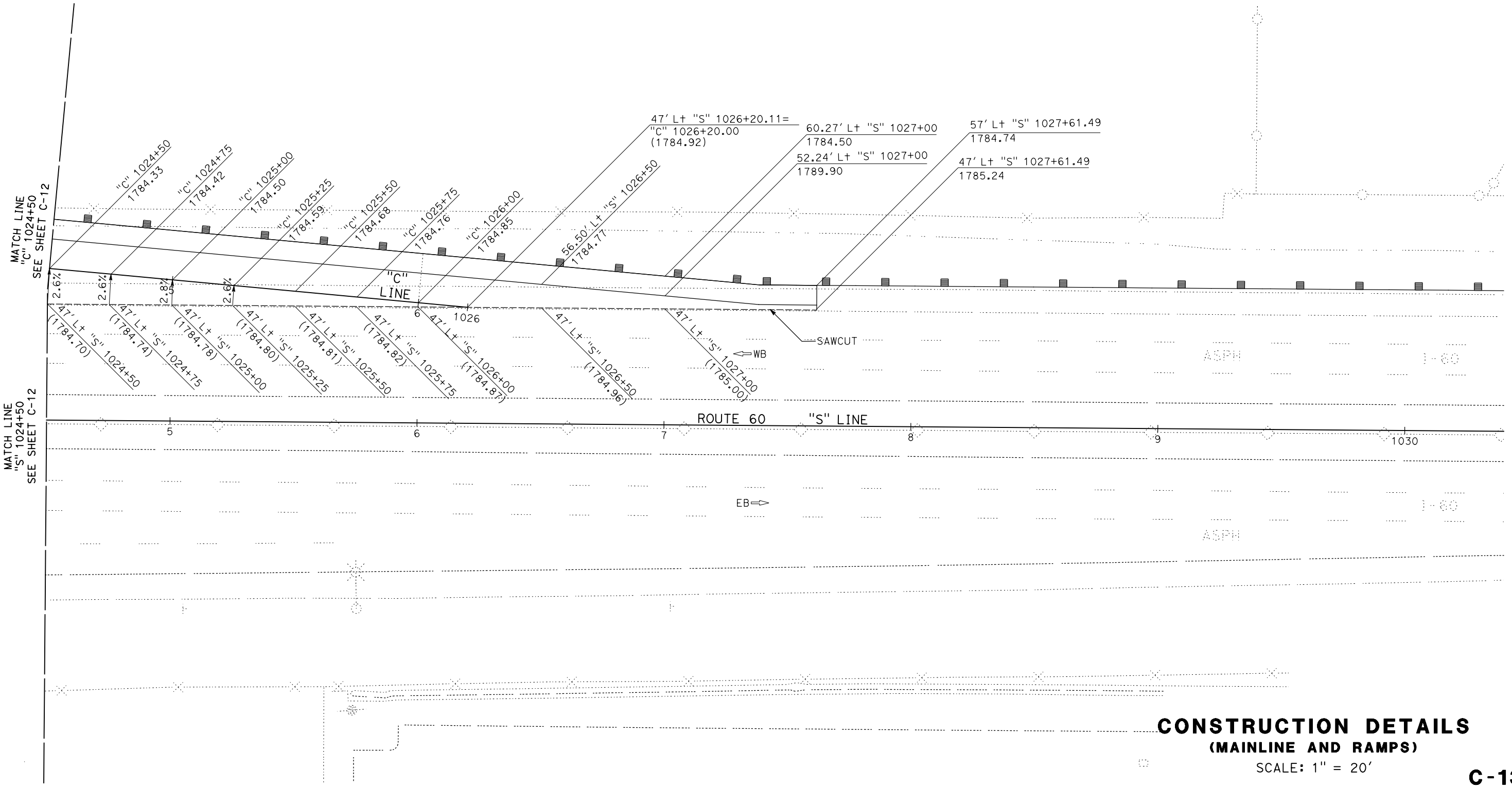
SCALE: 1" = 20'

C-12

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 16:33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	REVISOR	DATE
Caltrans		NICOLE DEPUY	DANIEL KACHI	GIANINA DEBORA		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	43	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE _____					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		




**CONSTRUCTION DETAILS
(MAINLINE AND RAMPS)**

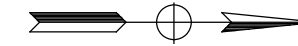
SCALE: 1" = 20'

C-13

LAST REVISION: DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 16:34

LEGEND:
 MINOR CONCRETE (STAMPED CONCRETE)

CURVE DATA				
No. (X)	R	Δ	T	L
18	1191.00'	05°15'08"	54.60'	109.16'
19	300.00'	05°18'36"	13.91'	27.80'
20	1208.33'	03°11'21"	33.65'	67.25'
21	250.67'	09°27'14"	20.72'	41.36'
22	3.00'	180°00'00"	-	9.43'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	44	358

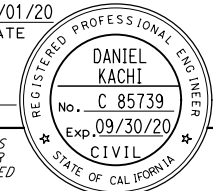
Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

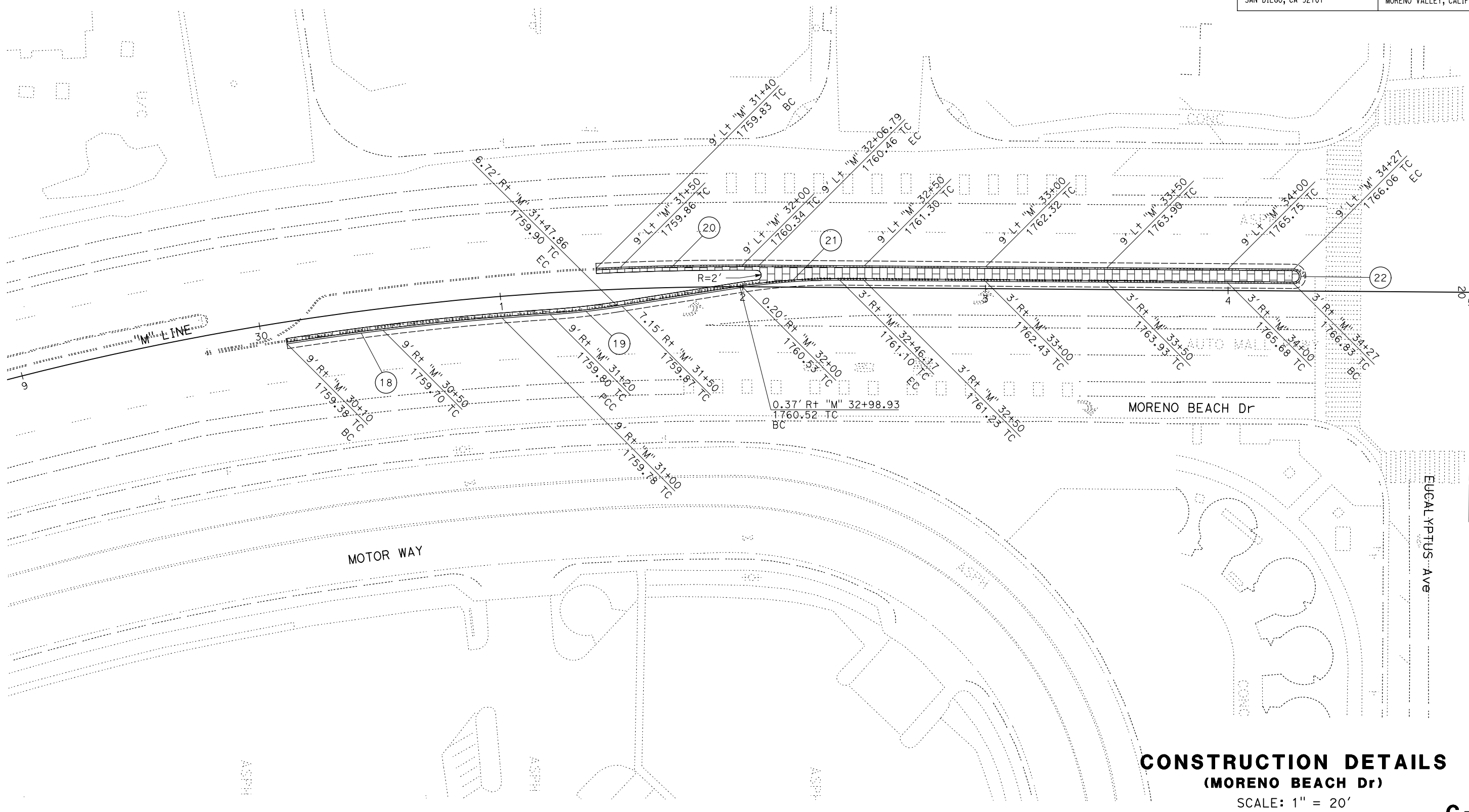
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: DANIEL KACHI
 CHECKED BY: DANIEL KACHI
 REVISED BY: JAMES TRAMONTANA
 DATE REVISED: DANIEL KACHI



CONSTRUCTION DETAILS
 (MORENO BEACH Dr)
 SCALE: 1" = 20'

C-14

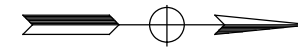
LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 16:34

CURVE DATA

No. (X)	R	Δ	T	L
23	2.00'	180°00'00"	-	6.28'
24	2.00'	180°00'00"	-	6.28'
25	153.00'	11°25'16"	15.30'	30.50'
26	153.00'	11°25'16"	15.30'	30.50'
27	153.00'	11°25'16"	15.30'	30.50'
28	153.00'	11°25'16"	15.30'	30.50'

LEGEND:

MINOR CONCRETE (STAMPED CONCRETE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	45	358

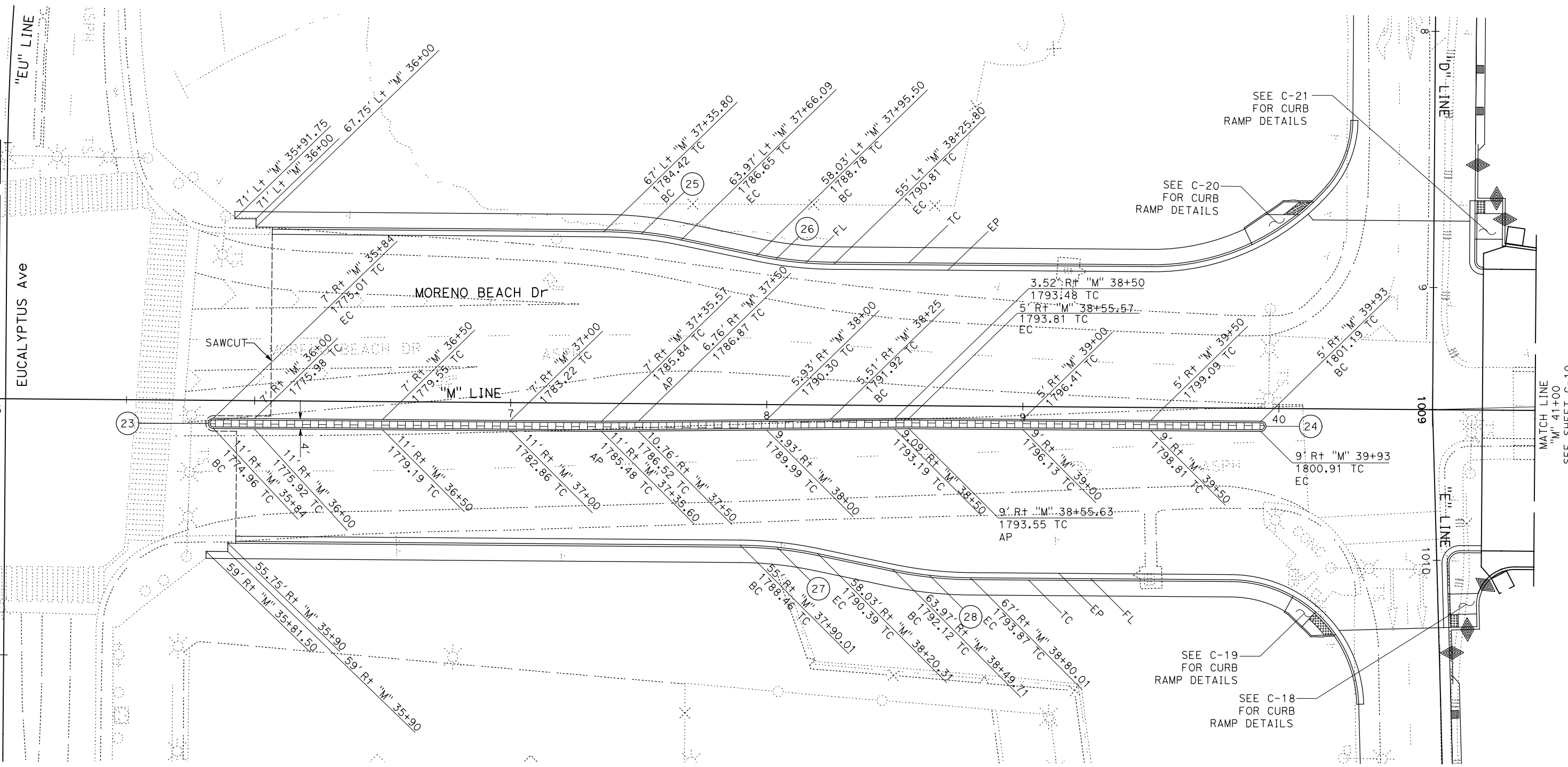
Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: GIANINA DEBORA
 CHECKED BY: DANIEL KACHI
 REVISED BY: GIANINA DEBORA
 DATE REVISED: DANIEL KACHI



CONSTRUCTION DETAILS
 (MORENO BEACH Dr)
 SCALE: 1" = 20'

C-15

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 16:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: DANIEL KACHI
 CHECKED BY: DANIEL KACHI
 REVISOR: GIANINA DEBORA
 DATE: 07/01/20
 REVISIONS: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

LEGEND:
 MINOR CONCRETE (STAMPED CONCRETE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	46	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

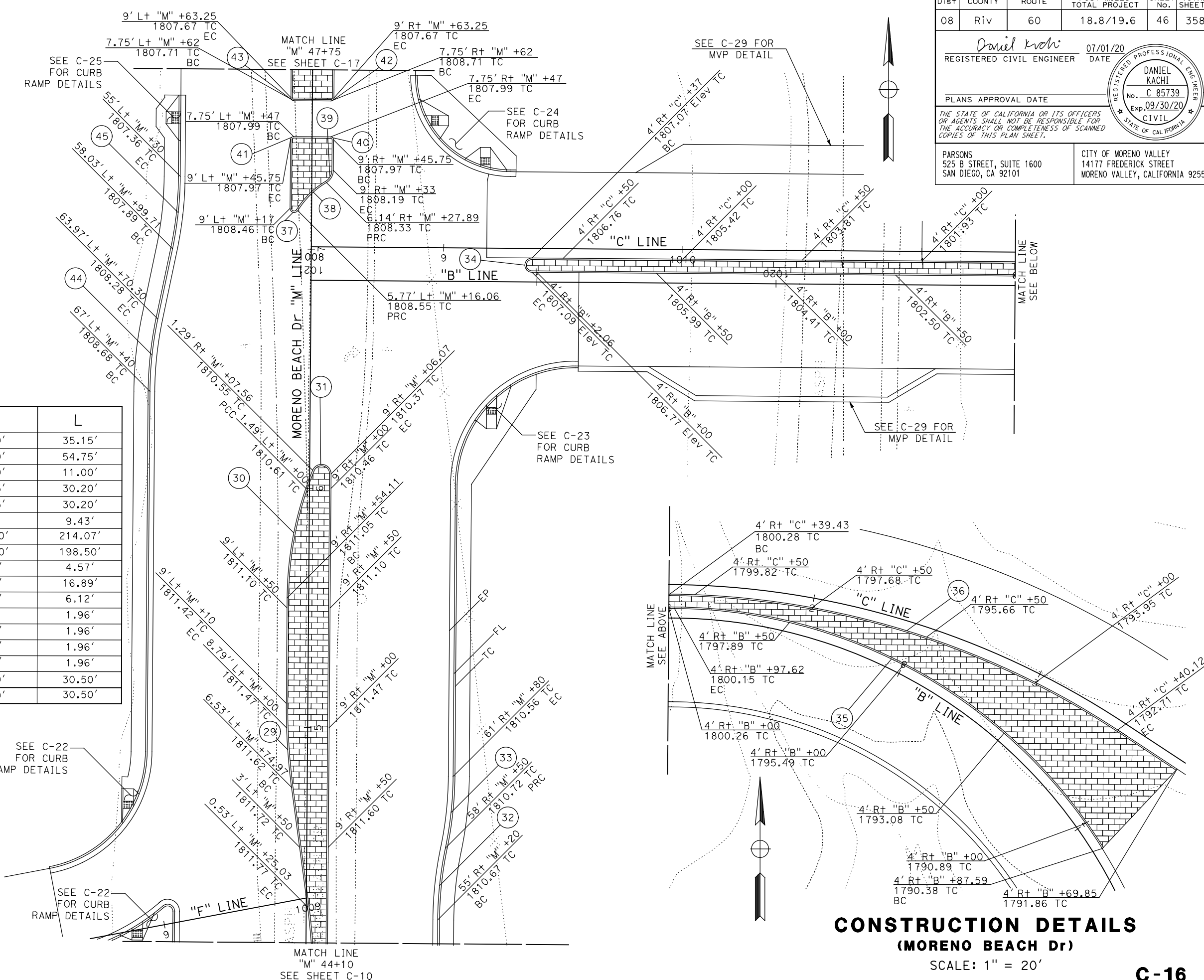
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

CURVE DATA

No. (X)	R	Δ	T	L
29	250.00'	08°03'17"	17.60'	35.15'
30	144.00'	21°47'12"	27.00'	54.75'
31	4.00'	158°12'48"	21.00'	11.00'
32	151.50'	11°25'16"	15.15'	30.20'
33	151.50'	11°25'16"	15.15'	30.20'
34	3.00'	180°00'00"	-	9.43'
35	212.47'	57°43'40"	118.00'	214.07'
36	346'	32°51'56"	102.00'	198.50'
37	1.75'	149°37'51"	6.45'	4.57'
38	35.00'	27°38'48"	9.00'	16.89'
39	6.00'	58°26'34"	1.52'	6.12'
40	1.25'	89°59'60"	1.25'	1.96'
41	1.25'	90°00'00"	1.25'	1.96'
42	1.25'	90°00'00"	1.25'	1.96'
43	1.25'	89°59'60"	1.25'	1.96'
44	153.00'	11°25'16"	15.30'	30.50'
45	153.00'	11°25'16"	15.30'	30.50'



CONSTRUCTION DETAILS
(MORENO BEACH Dr)
 SCALE: 1" = 20'
C-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	48	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/22/20
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

NOTE:
1. FOR DETAILS NOT SHOWN, SEE BRIDGE PLANS.

LEGEND:
 BSW BACK OF SIDEWALK
 TR TOP OF RAMP
 LEVEL LANDING AREA

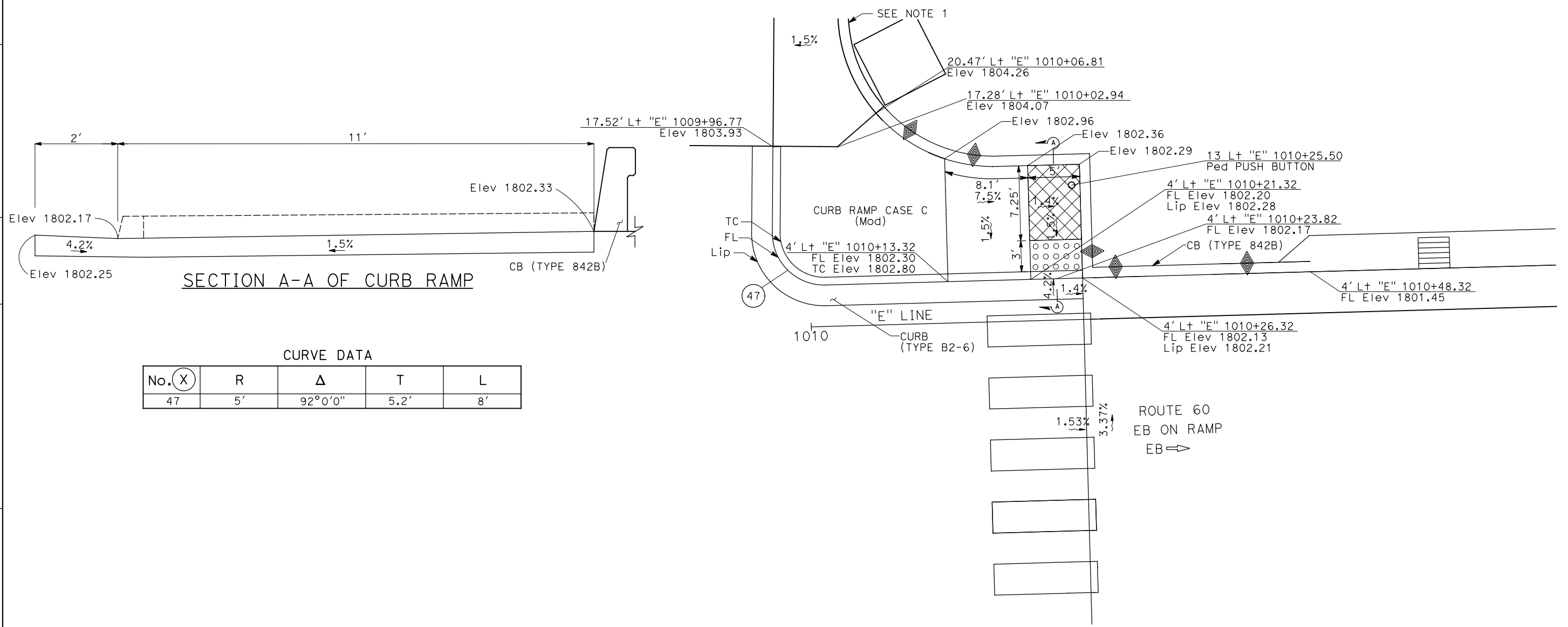


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY
 ERIC ADELMAN
 DANIEL KACHI

REVISED BY
 DATE REVISED



CURVE DATA

No. (X)	R	Δ	T	L
47	5'	92°0'0"	5.2'	8'

CONSTRUCTION DETAILS
(CURB RAMPS)
 SCALE: 1" = 5'

C-18

LAST REVISION DATE PLOTTED => 06-JUL-2020 00-00-00 TIME PLOTTED => 13:49

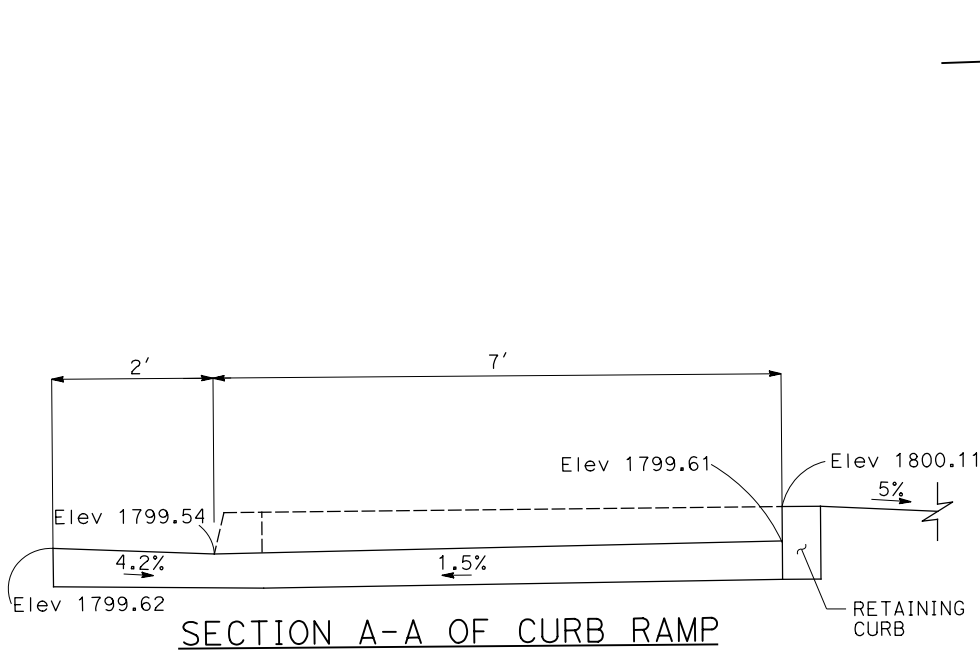
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	49	358
Daniel Kachi		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

LEGEND:

LEVEL LANDING AREA



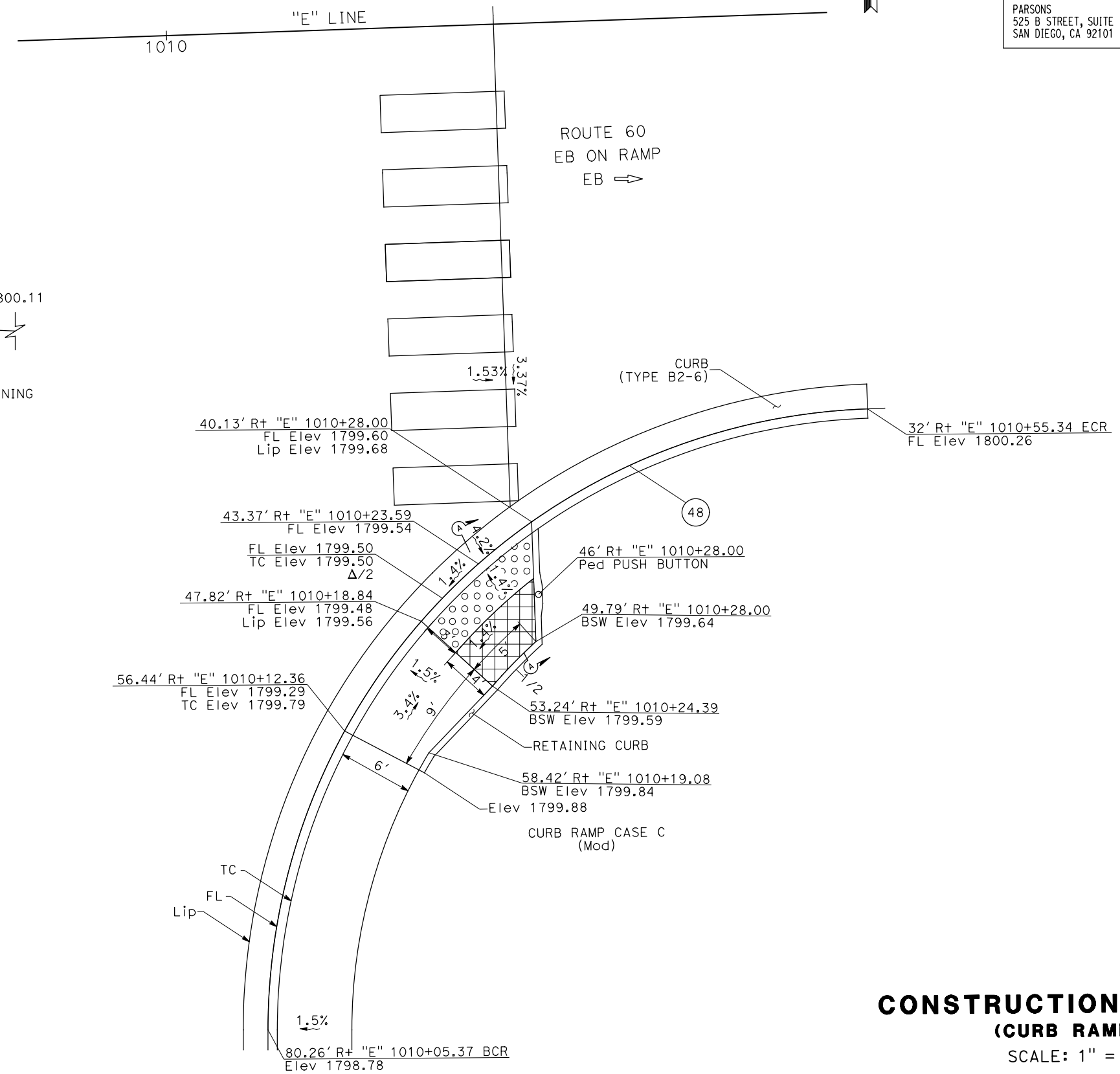
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISED BY: ERIK ADELMAN
 DATE REVISED: DANIEL KACHI



SECTION A-A OF CURB RAMP

CURVE DATA

No. (X)	R	Δ	T	L
48	50'	88°0'0"	42'	77'



**CONSTRUCTION DETAILS
(CURB RAMPS)**

SCALE: 1" = 5'

C-19

LAST REVISION DATE PLOTTED => 07-JUL-2020 00-00-00 TIME PLOTTED => 15:56

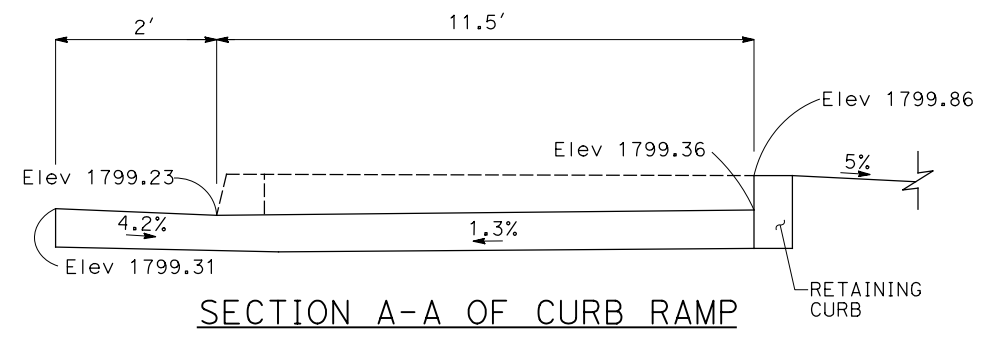
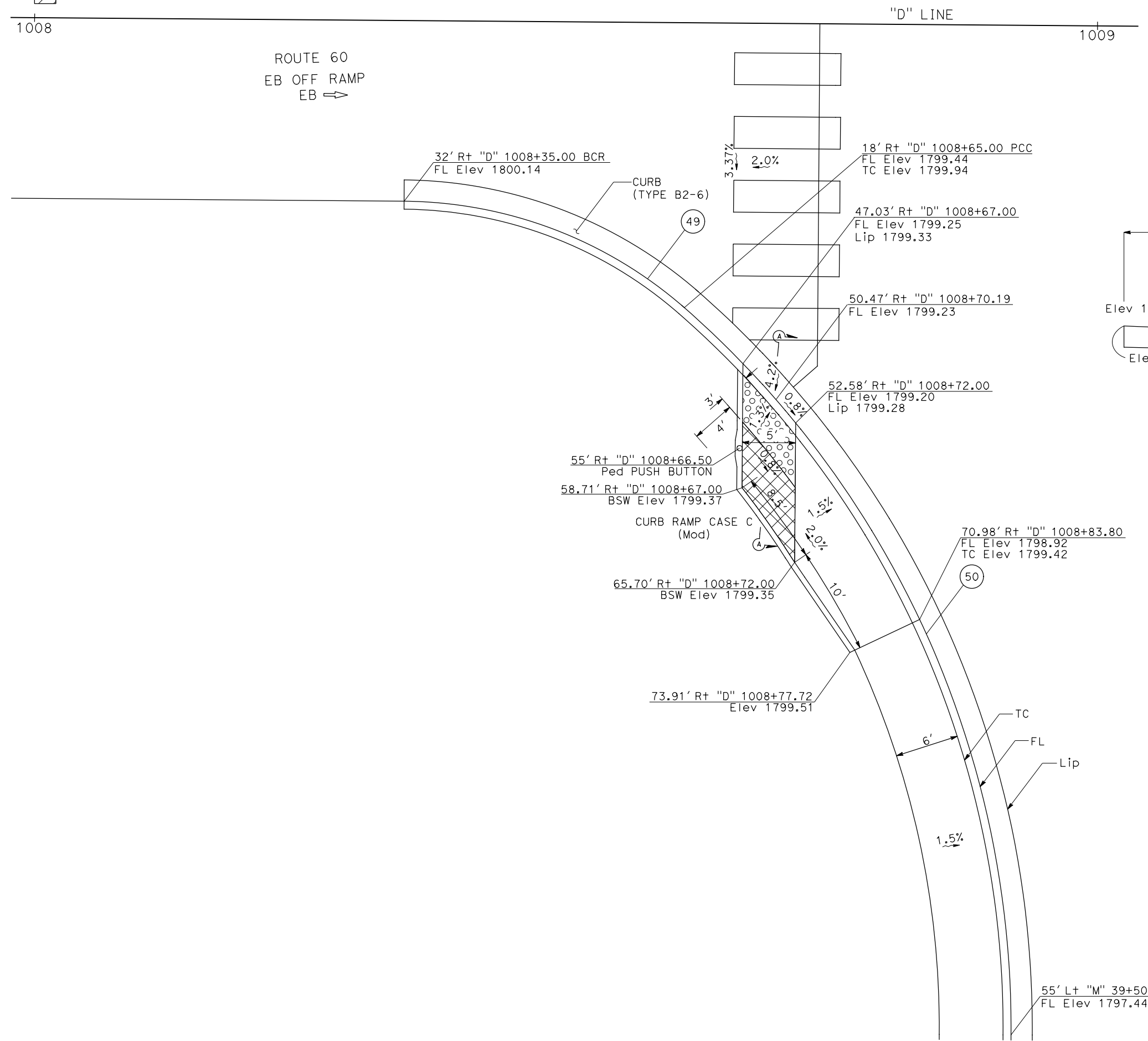
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	50	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

LEGEND:
 LEVEL LANDING AREA



CURVE DATA

No. (X)	R	Δ	T	L
49	40.5'	40° 44' 38"	15.0'	28.8'
50	90'	49° 28' 10"	41.5'	77.7'

CONSTRUCTION DETAILS
(CURB RAMPS)
 SCALE: 1" = 5'

C-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

REVISOR	DATE	REVISION
ERIK ADELMAN		
DANIEL KACHI		
CHECKED BY	DESIGNED BY	CALCULATED/DESIGNED BY
NICOLE DEPUY		
CONSULTANT FUNCTIONAL SUPERVISOR		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	51	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

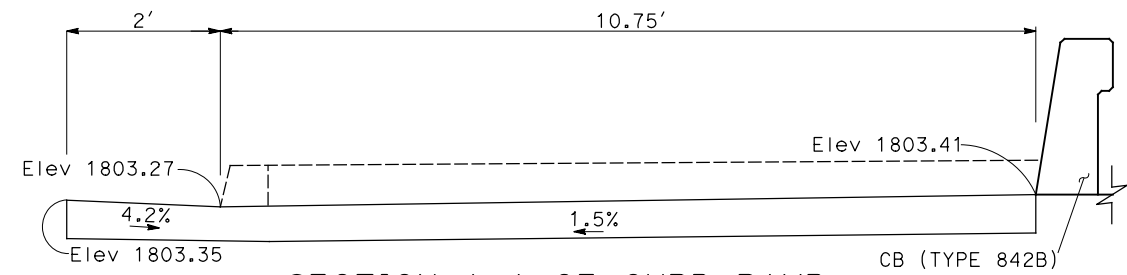
REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

NOTE:
1. FOR DETAILS NOT SHOWN, SEE BRIDGE PLANS.

LEGEND:

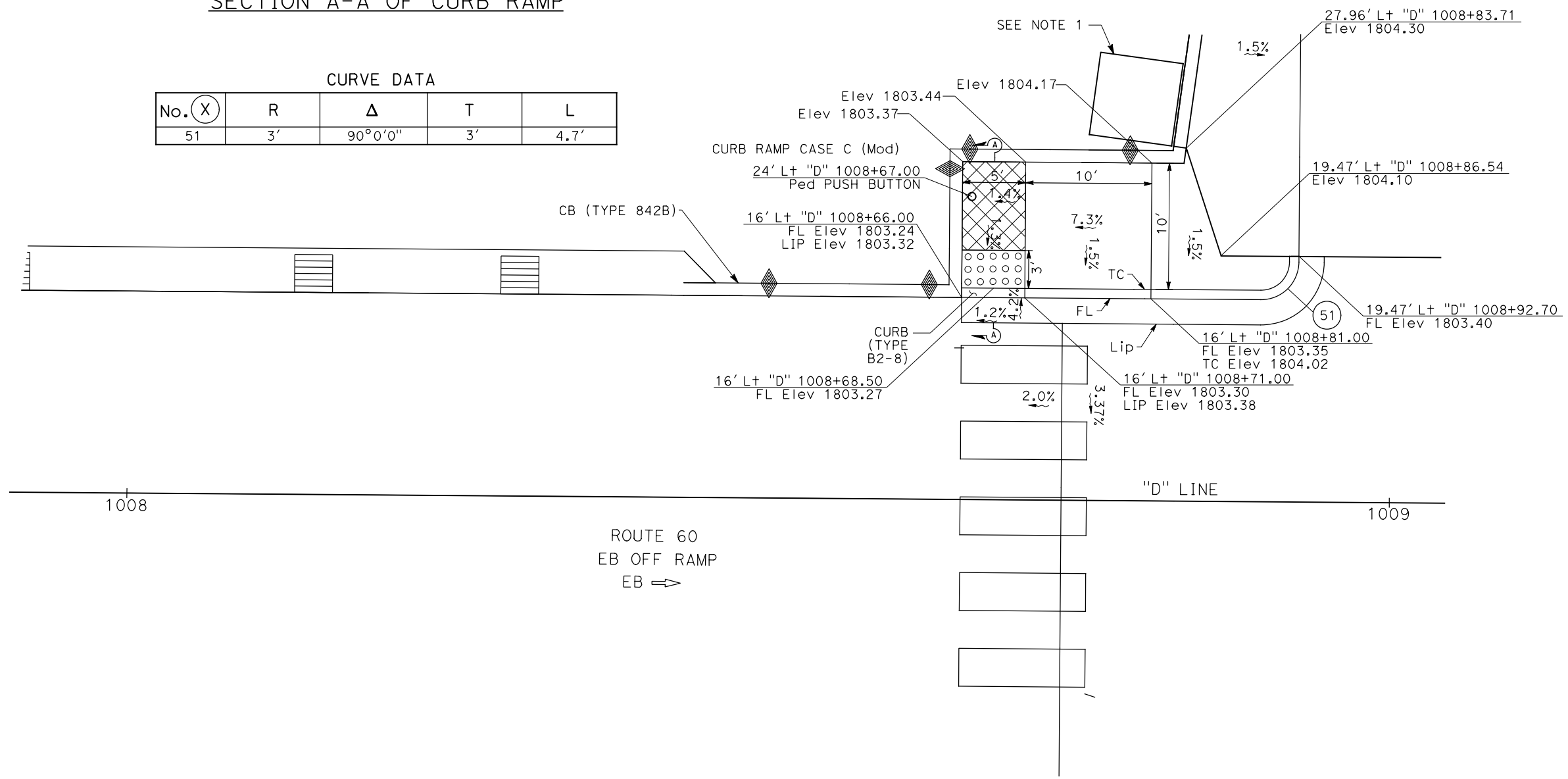
LEVEL LANDING AREA



SECTION A-A OF CURB RAMP

CURVE DATA

No. (X)	R	Δ	T	L
51	3'	90°0'0"	3'	4.7'



CONSTRUCTION DETAILS
(CURB RAMPS)

SCALE: 1" = 5'

C-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED/DESIGNED BY
 CHECKED BY
 ERIK ADELMAN
 DANIEL KACHI
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	53	358

Daniel Kachi 07/22/20
 REGISTERED CIVIL ENGINEER DATE

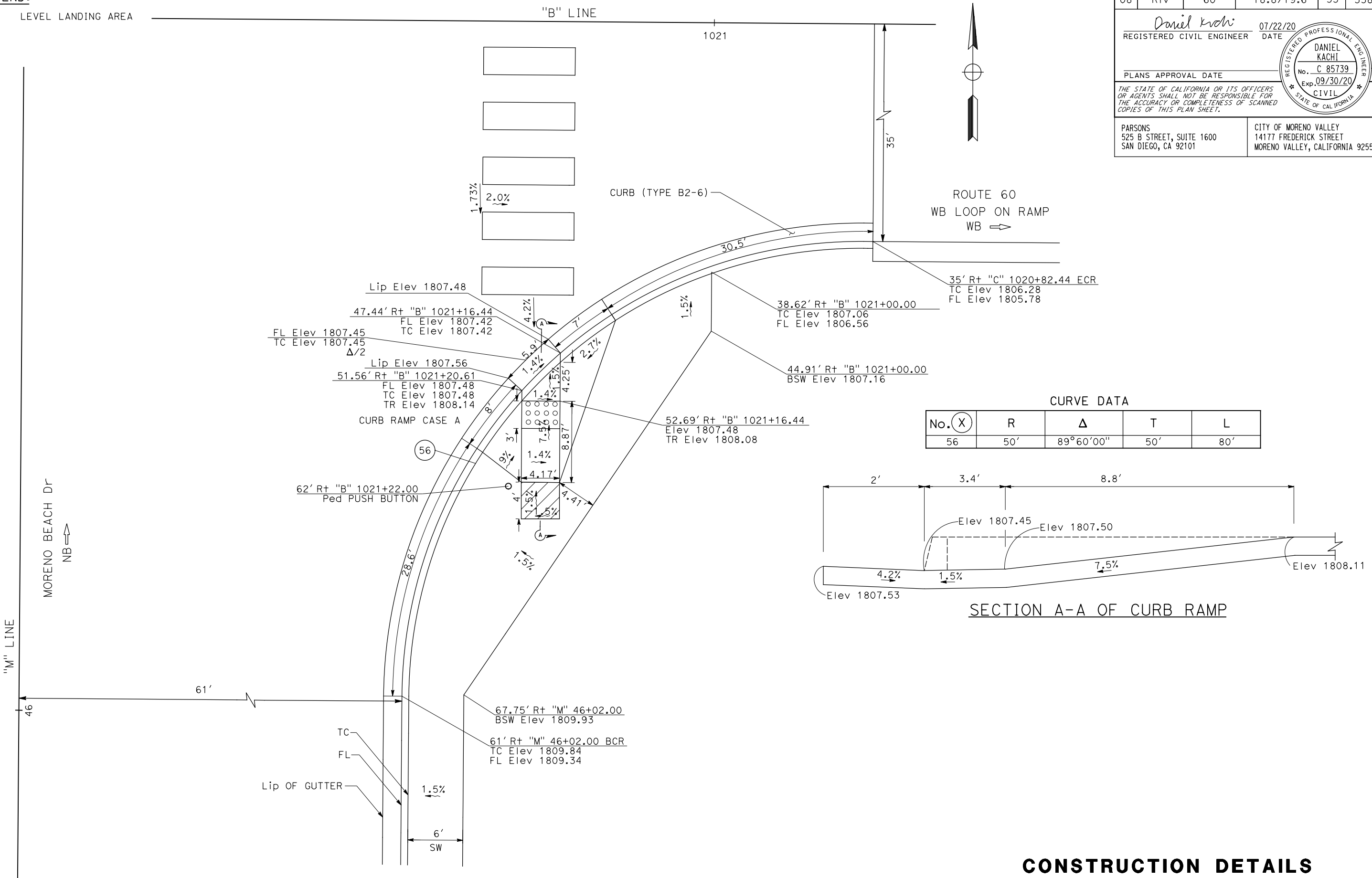
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

LEGEND:

LEVEL LANDING AREA



CONSTRUCTION DETAILS
(CURB RAMPS)
 SCALE: 1" = 5'
C-23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE
CALCULATED-DRAWN BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	54	358

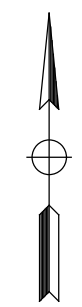
Daniel Kachi 07/22/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

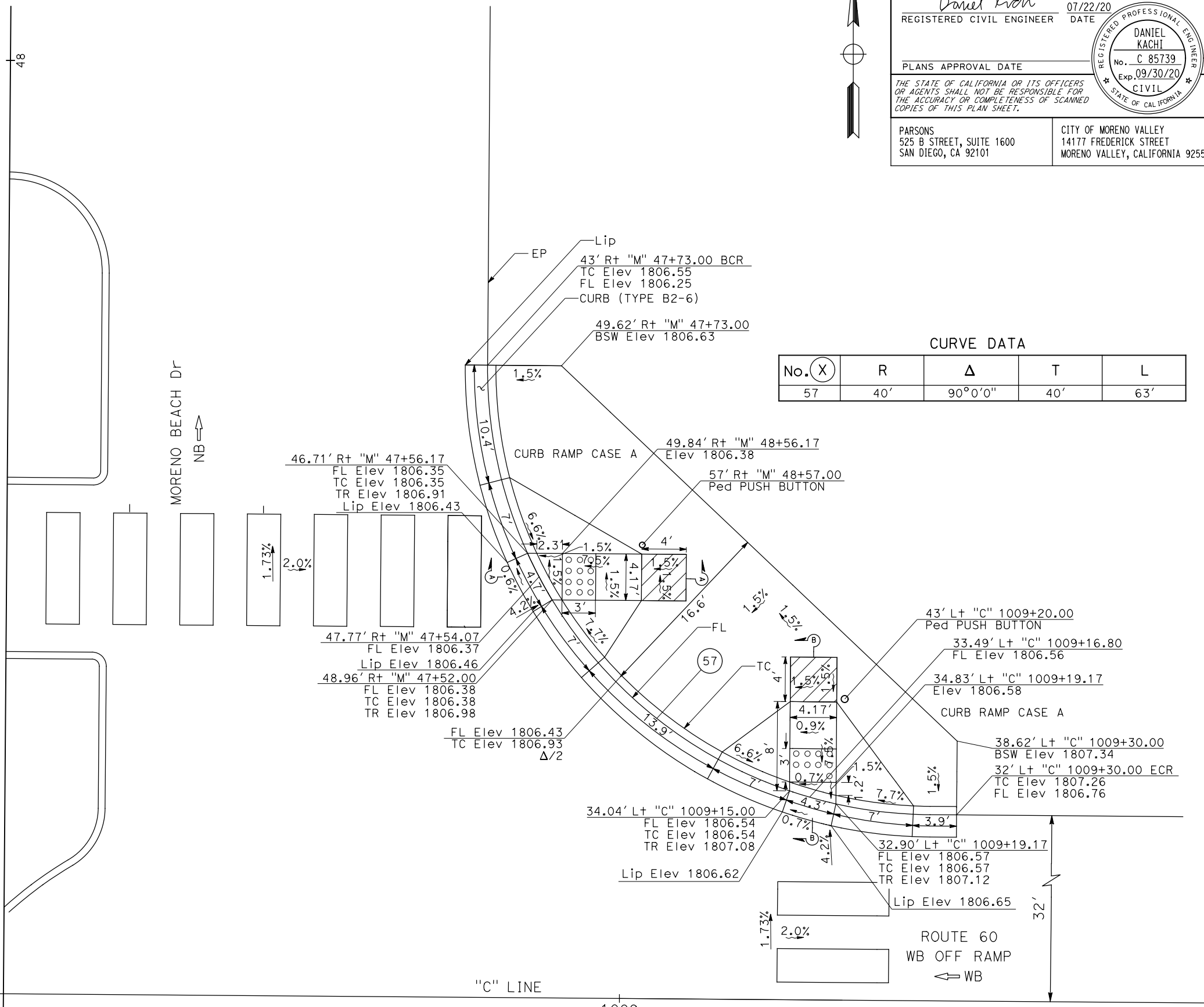
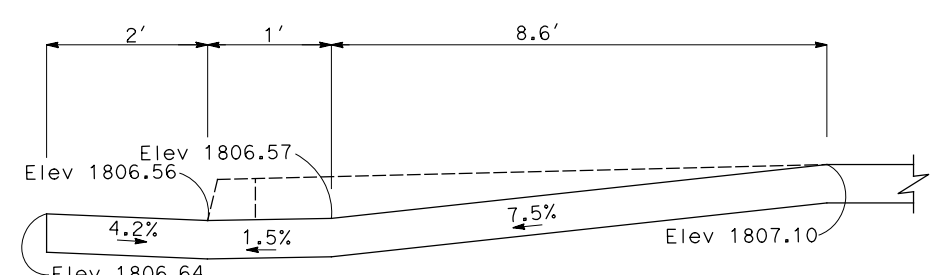
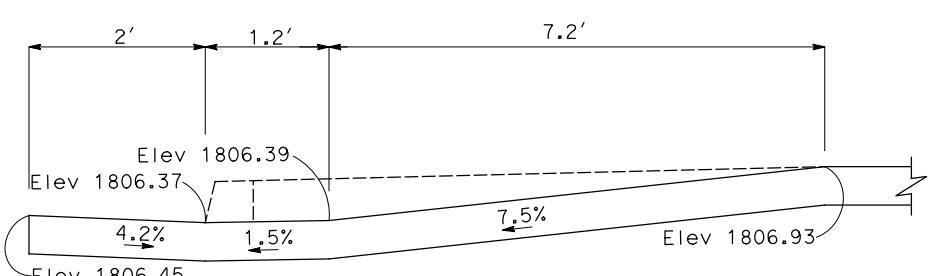
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

LEGEND:
 LEVEL LANDING AREA



CURVE DATA

No. (X)	R	Δ	T	L
57	40'	90°0'0"	40'	63'



CONSTRUCTION DETAILS
(CURB RAMPS)
 SCALE: 1" = 5'

REVISOR: ERIK ADELMAN, DANIEL KACHI
 CHECKED BY: DANIEL KACHI
 DESIGNED BY: ERIK ADELMAN
 SUPERVISOR: NICOLE DEPUY
 TRANSPORTATION BRANCH: DESIGN BRANCH H

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISED BY: ERIK ADELMAN
 DATE REVISED: DANIEL KACHI

LEGEND:
 LEVEL LANDING AREA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	55	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/22/20

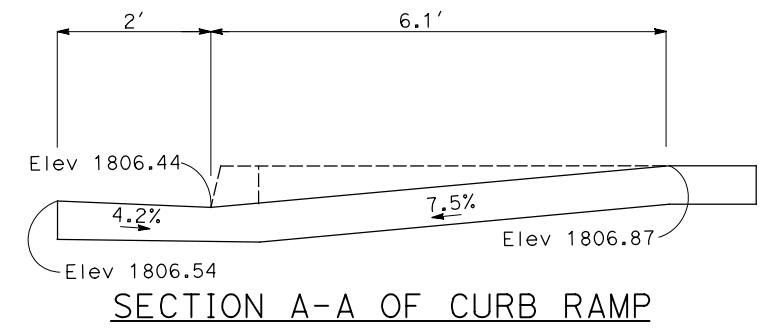
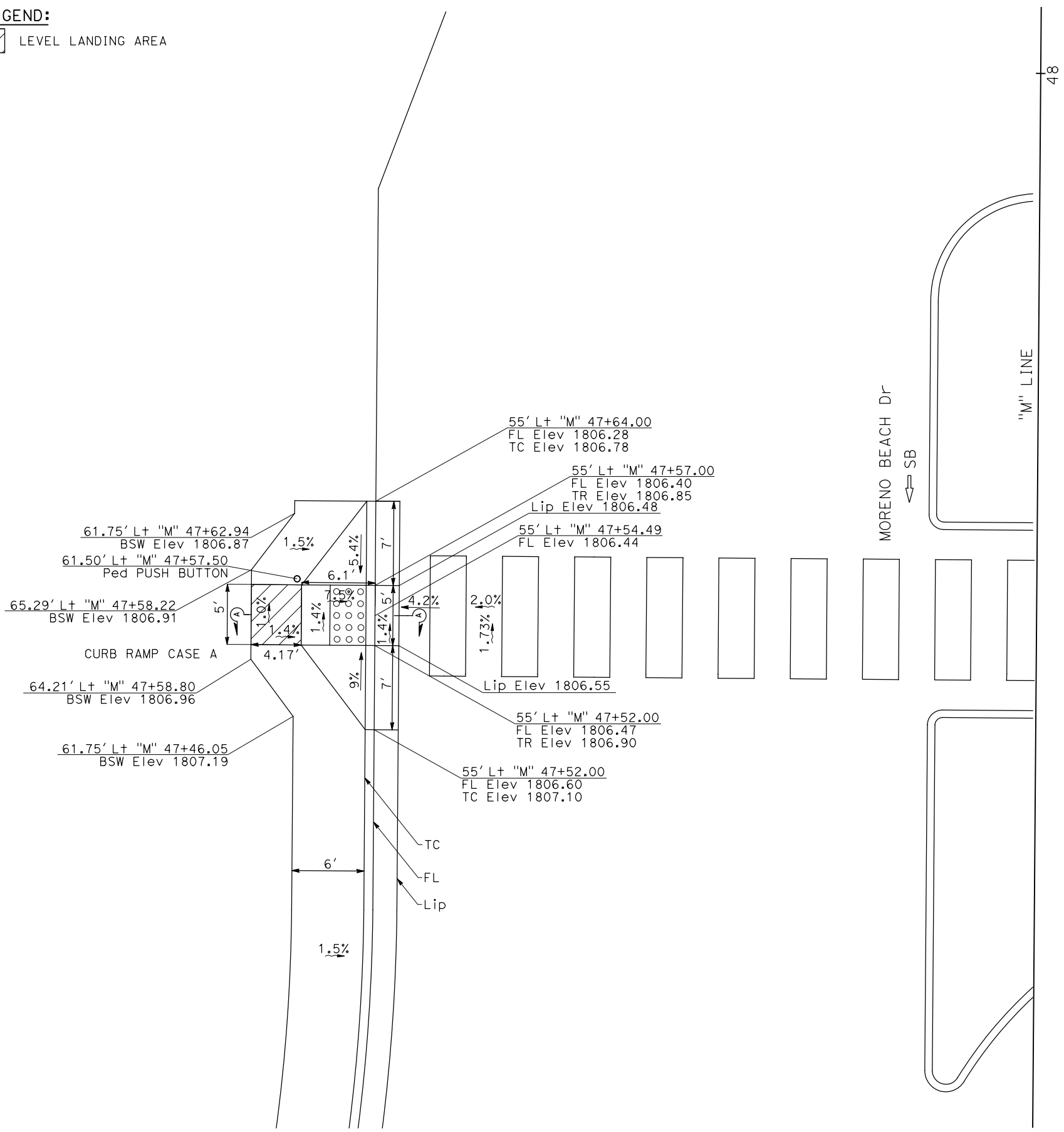
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

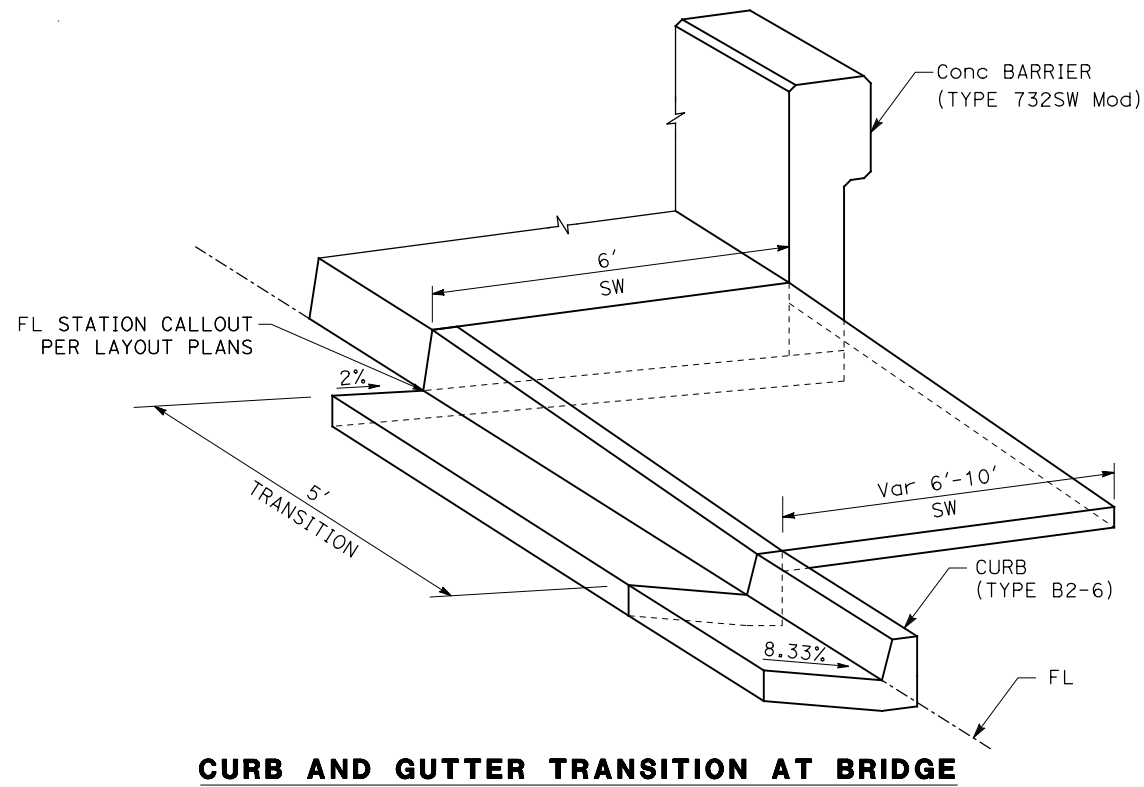
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



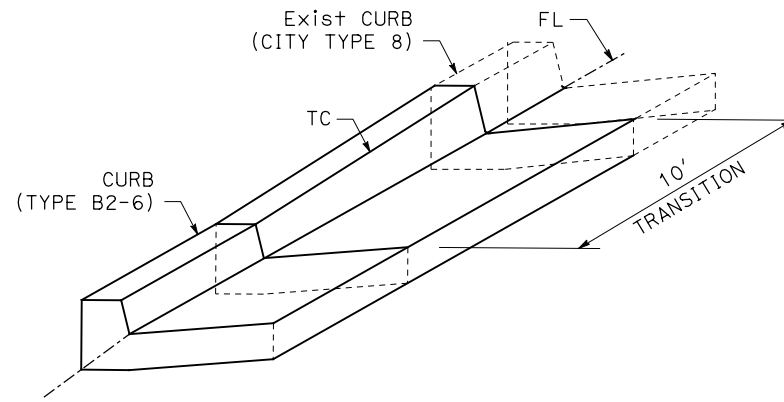
CONSTRUCTION DETAILS
(CURB RAMPS)
 SCALE: 1" = 5'

C-25

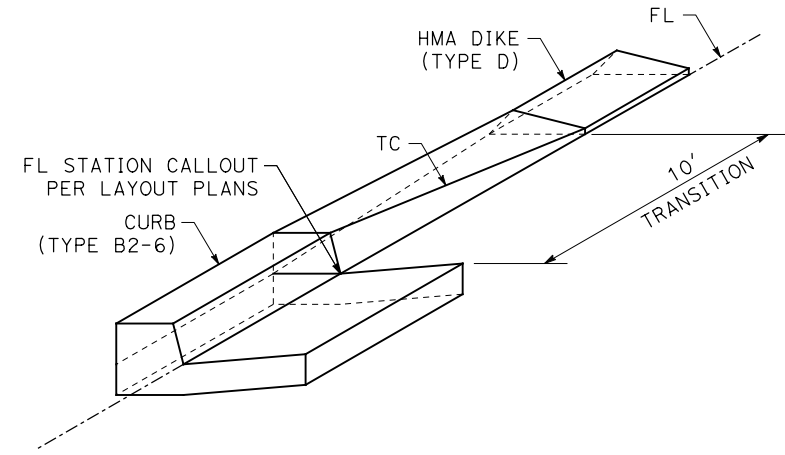
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	56	358
Daniel Kachi		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



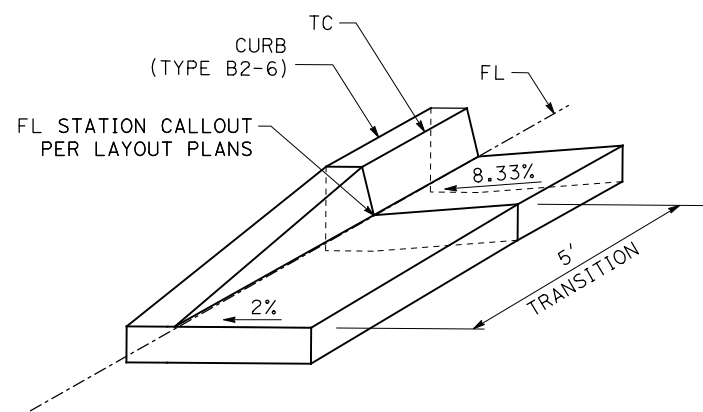
CURB AND GUTTER TRANSITION AT BRIDGE



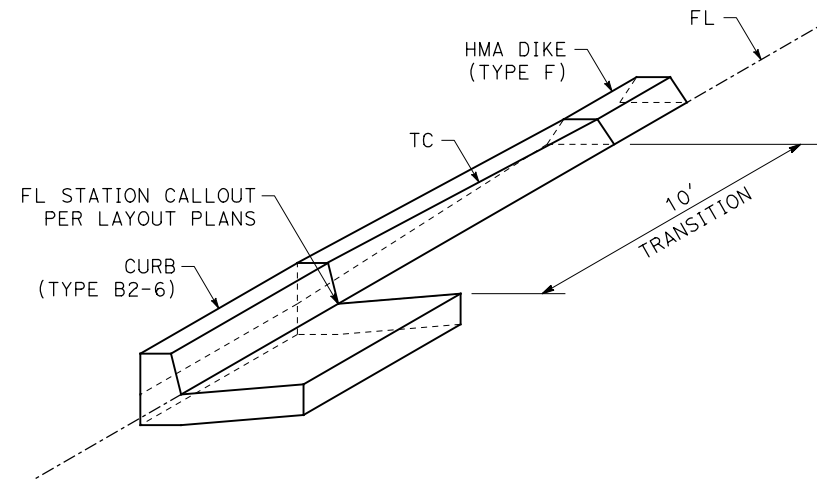
CURB TO CURB TRANSITION (CITY TYPE 8) TO (TYPE B2-6)



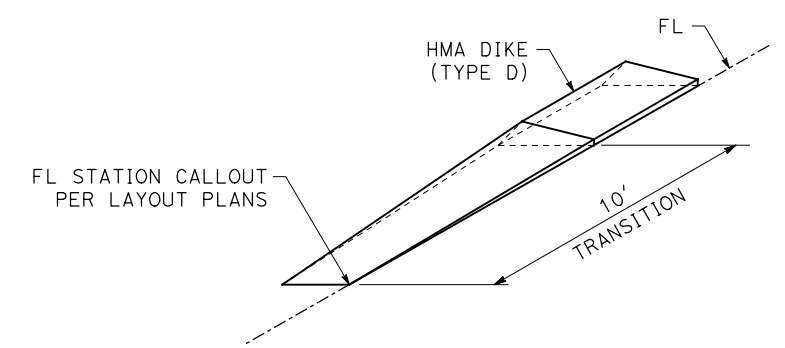
TRANSITION FROM CURB TO HMA DIKE (TYPE D)



CURB TERMINUS TRANSITION (TYPE B2-6)



TRANSITION FROM CURB TO HMA DIKE (TYPE F)



HMA DIKE TERMINUS TRANSITION (TYPE D)

CONSTRUCTION DETAILS (CURB AND DIKE TRANSITIONS)

NO SCALE

C-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE



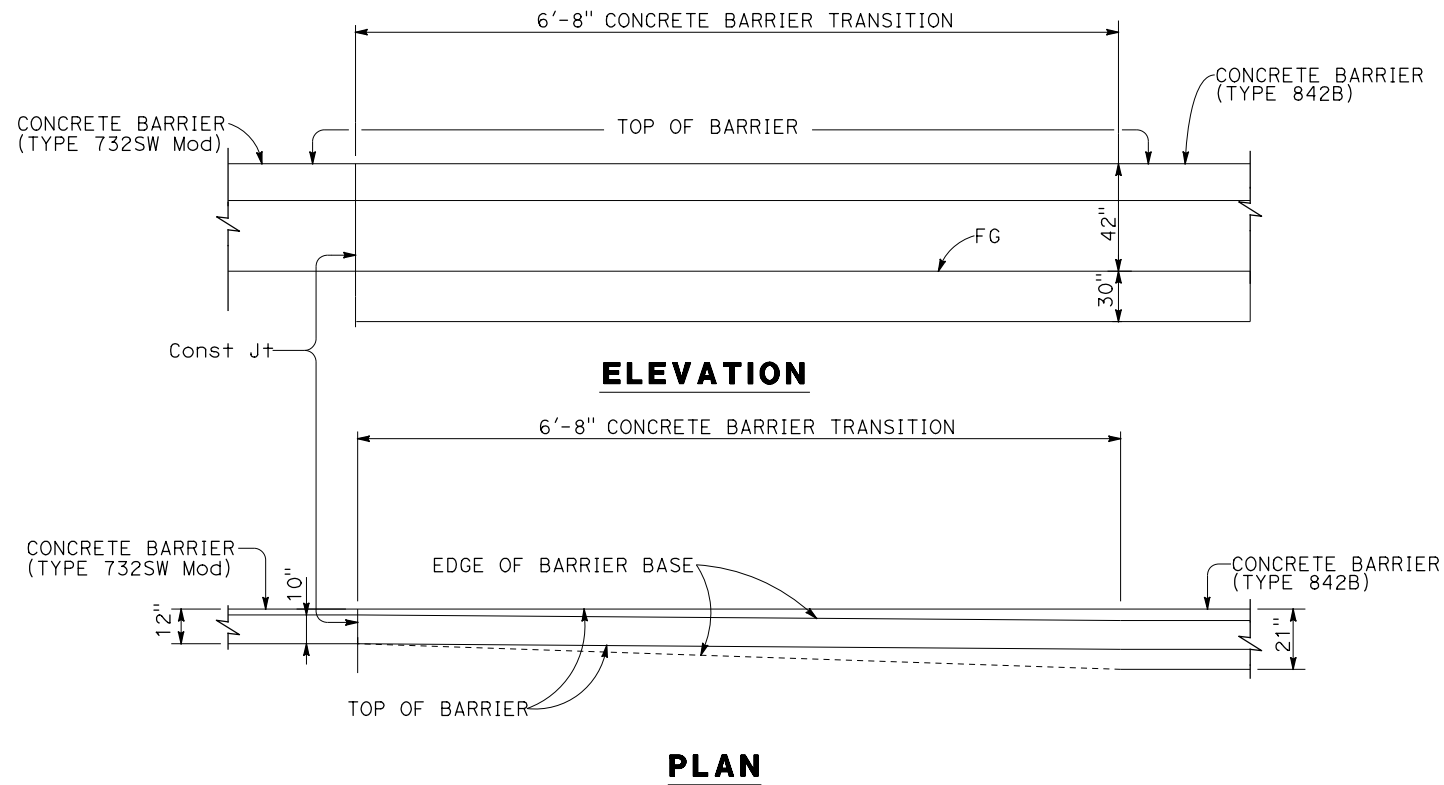
LAST REVISION DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 16:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	57	358
			<i>Daniel Kachi</i> 07/01/20 REGISTERED CIVIL ENGINEER DATE		
			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:

FOR DETAILS NOT SHOWN OR NOTED, SEE STANDARD PLANS AND BRIDGE PLANS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISED BY	DATE REVISED

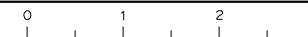


TRANSITION CONCRETE BARRIER (TYPE 732SW Mod) TO CONCRETE BARRIER (TYPE 842B)

**CONSTRUCTION DETAILS
(BARRIER TRANSITION)**

NO SCALE

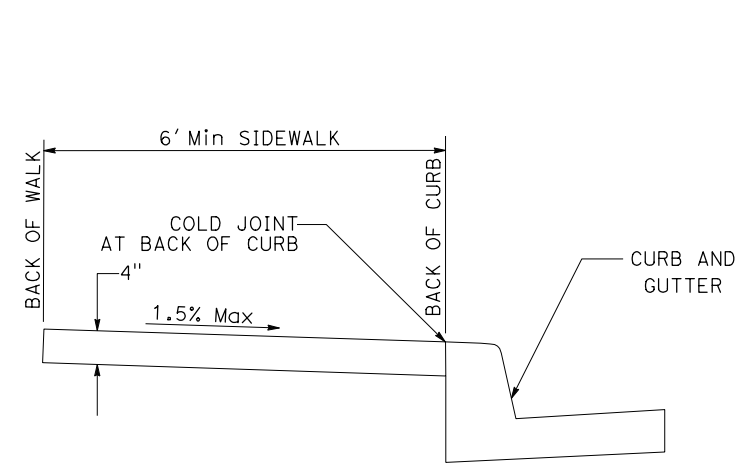
C-27



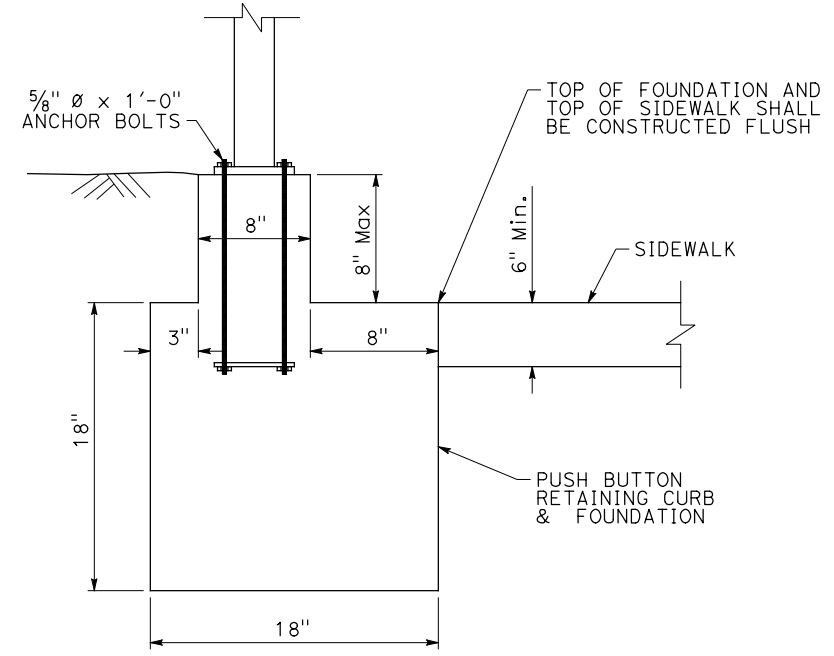
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	58	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

- THICKNESS OF RAMP AND LANDING AREAS AROUND THE RAMP WITHIN THE CURB RETURN, FROM BCR TO ECR, SHALL BE 6" MINIMUM. RAMP AND LANDING AREAS SHALL BE POURED MONOLITHIC.
- THICKNESS OF SIDEWALK SHALL BE 4".
- SIDEWALK SHALL HAVE 1/2" WIDE PREMOLDED EXPANSION JOINTS AND 1-1/2" DEEP WEAKENED PLANE JOINTS AT INTERVALS SHOWN HEREON. JOINTS SHALL HAVE EDGES WITH 1/4" RADIUS.
- SIDEWALKS SHALL BE FORMED IN SUCH A MANNER AS TO MAINTAIN 48" Min OF UNOBSTRUCTED PEDESTRIAN WAY AT ALL LOCATIONS, INCLUDING BUT NOT LIMITED TO STREET LIGHTS, ELECTROLIERS, AND POWER POLES.
- SURFACE OF CONCRETE FOUNDATION SHALL BE FLUSH WITH SURROUNDING PAVEMENT AND ACHIEVE THE SLOPES SHOWN ON THE CONSTRUCTION DETAILS (CURB RAMP SHEETS). SEE RSP ES7-A FOR PUSH BUTTON ASSEMBLY POST DETAILS.
- FOR FRONT REACH, THE FACE OF THE PEDESTRIAN PUSH BUTTON SHALL BE EXACTLY AT THE EDGE OF, BUT NOT PROTRUDE INTO, THE LANDING AREA.
- FOR SIDE REACH, THE FACE OF THE PUSH BUTTON SHALL BE WITHIN 6" OF THE ADJACENT LANDING, AND NOT PROTRUDE OVER IT.
- FOR EXACT LOCATIONS OF PBA POSTS, SEE CONSTRUCTION DETAILS (CURB RAMP SHEETS).

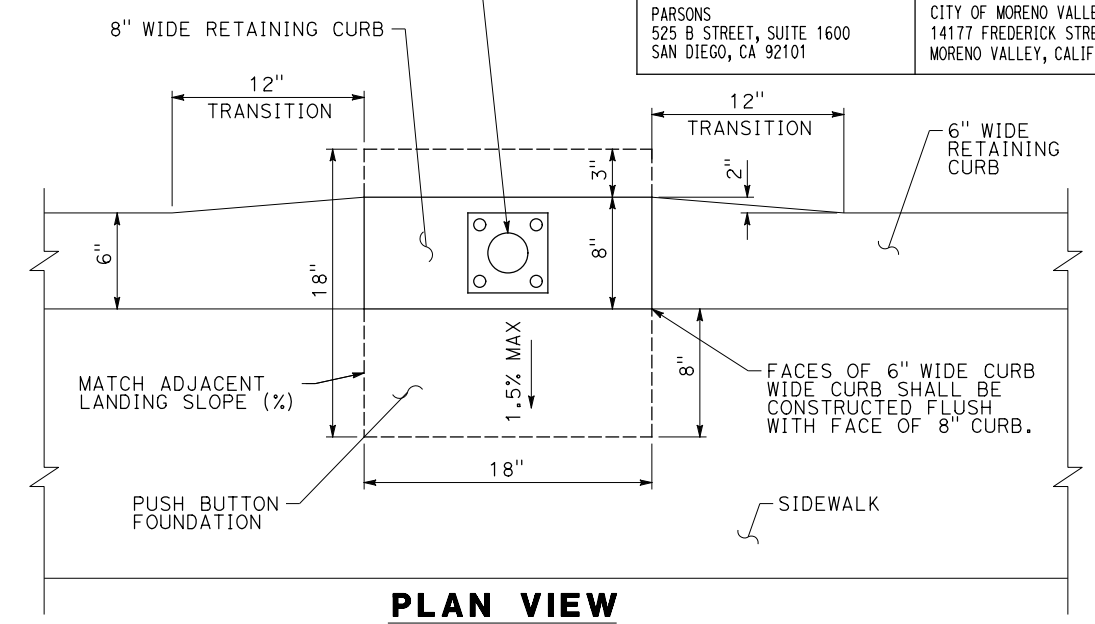


SECTION A-A

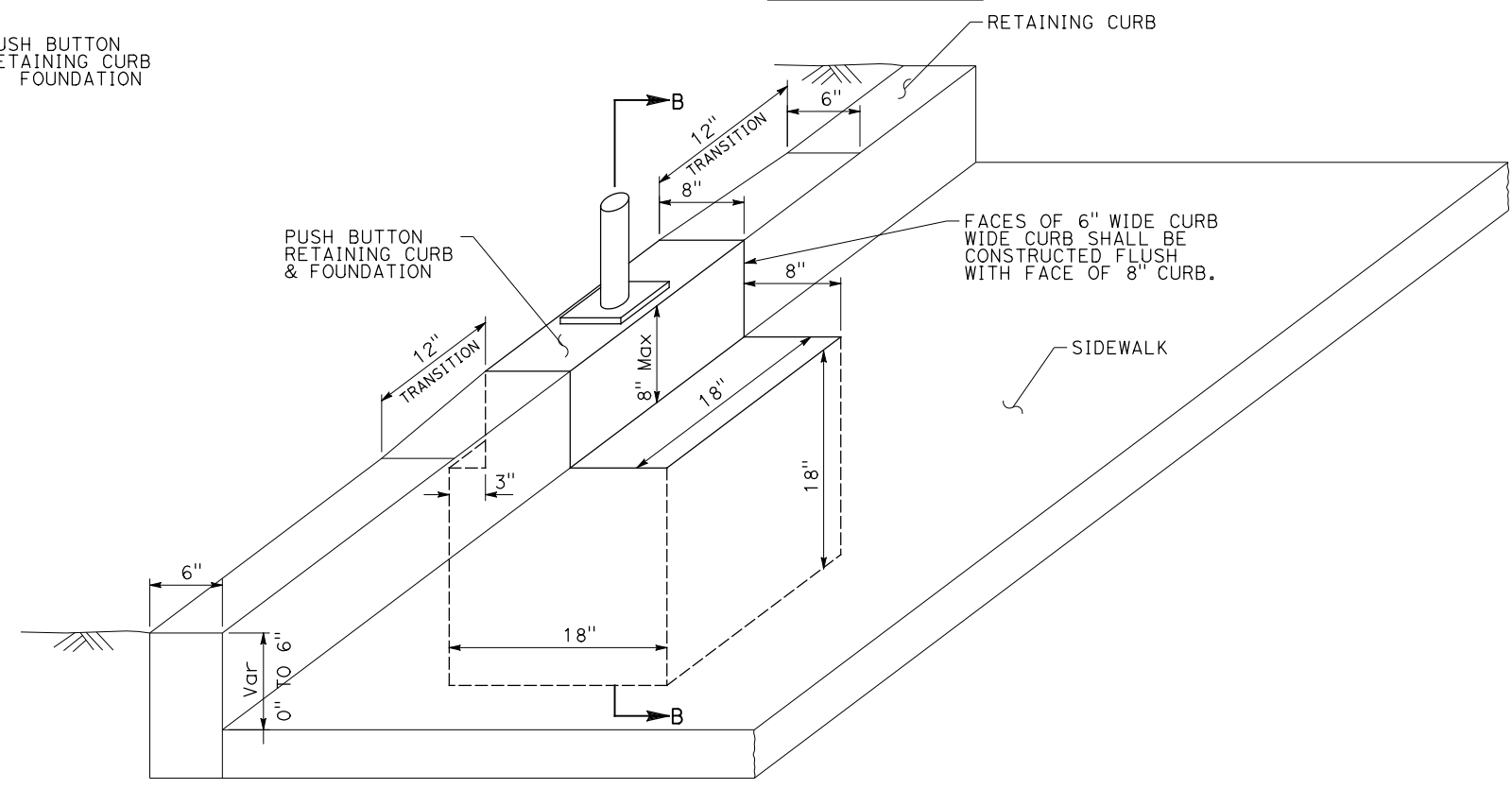


SECTION B-B

SEE ELECTRICAL SHEETS FOR ELECTRICAL ASPECTS OF PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST INSTALLATION.



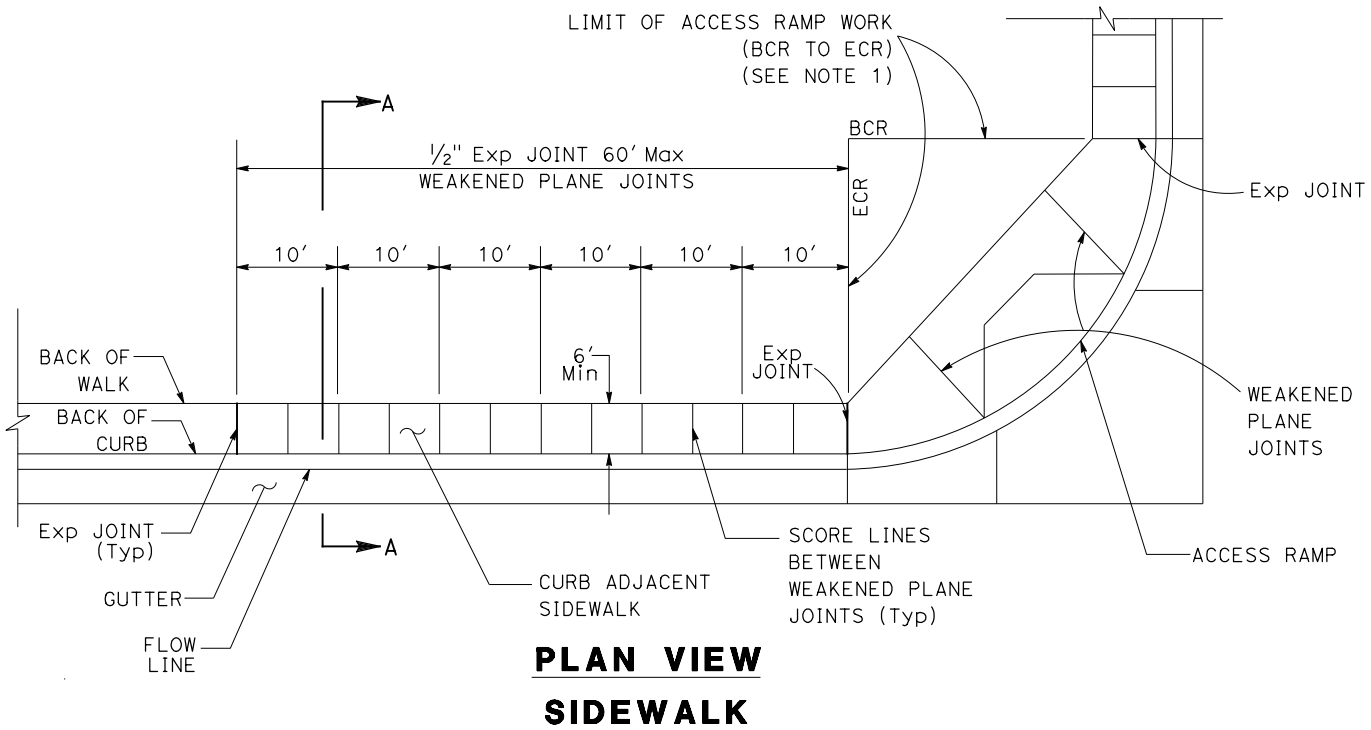
PLAN VIEW



**ISOMETRIC VIEW
PUSH BUTTON ON
RETAINING CURB**

**CONSTRUCTION DETAILS
(SIDEWALK AND PUSH BUTTON)**

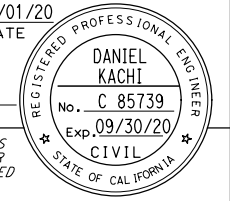
NO SCALE
C-28



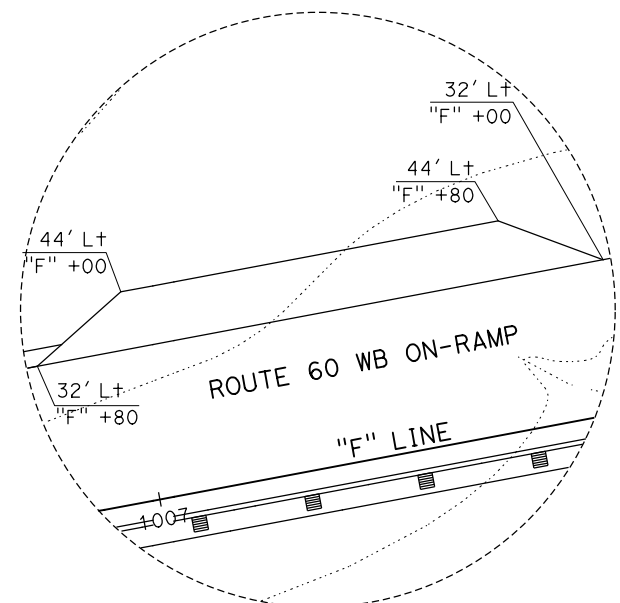
**PLAN VIEW
SIDEWALK**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 ERIC ADELMAN DANIEL KACHI
 REVISED BY: DATE REVISED:

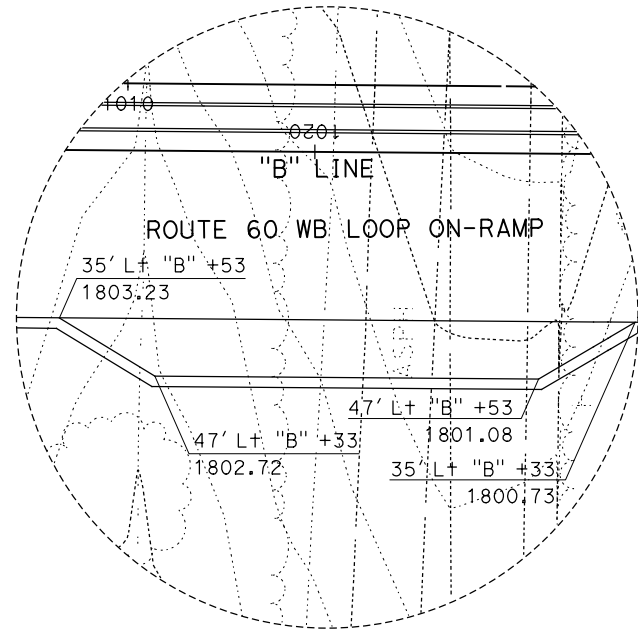
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	59	358
<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



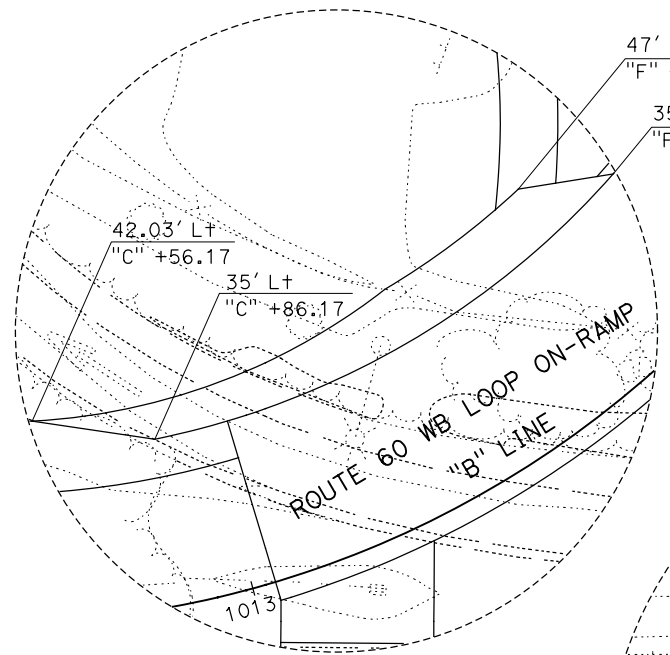
NOTE:
FOR DETAILS NOT SHOWN, SEE STANDARD PLANS H9.



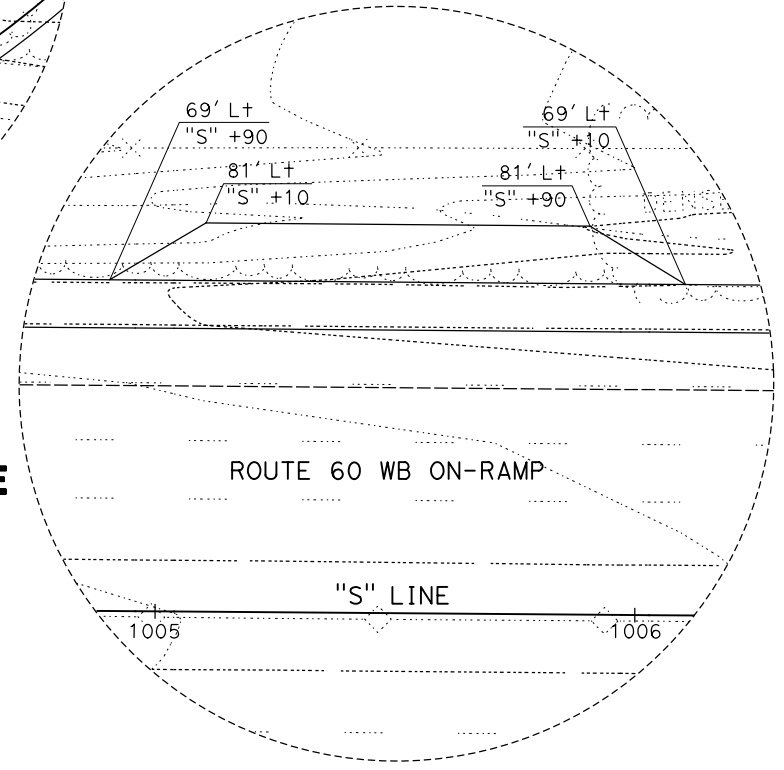
MVP DETAIL AT "F" LINE



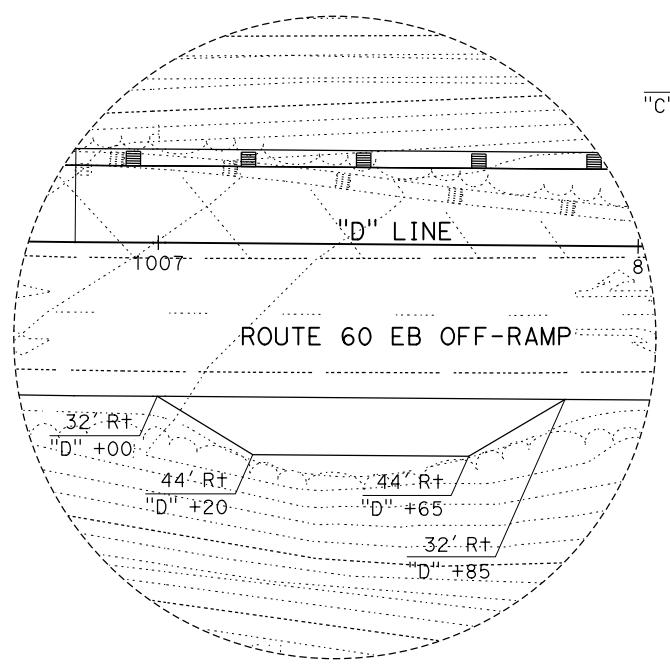
MVP DETAIL AT "B" LINE



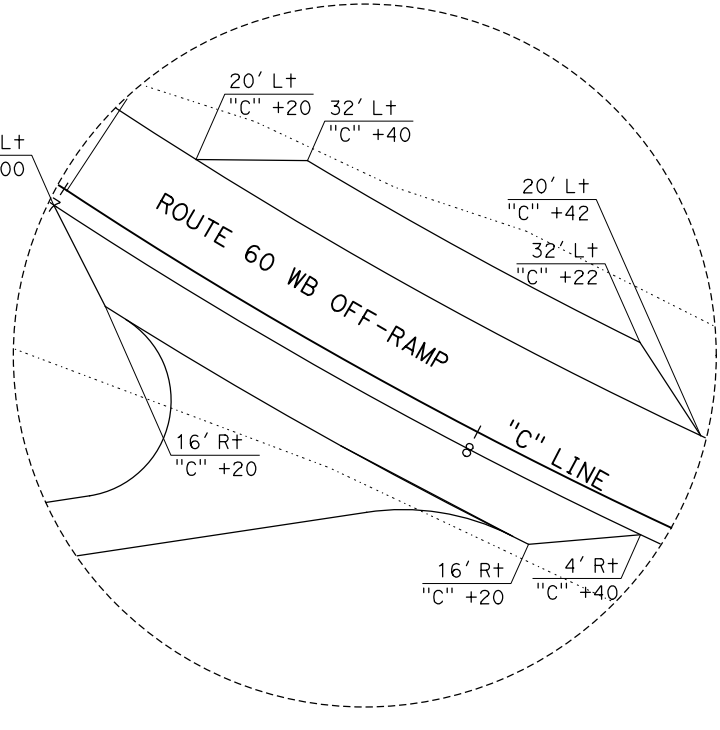
MVP DETAIL AT "B" LINE



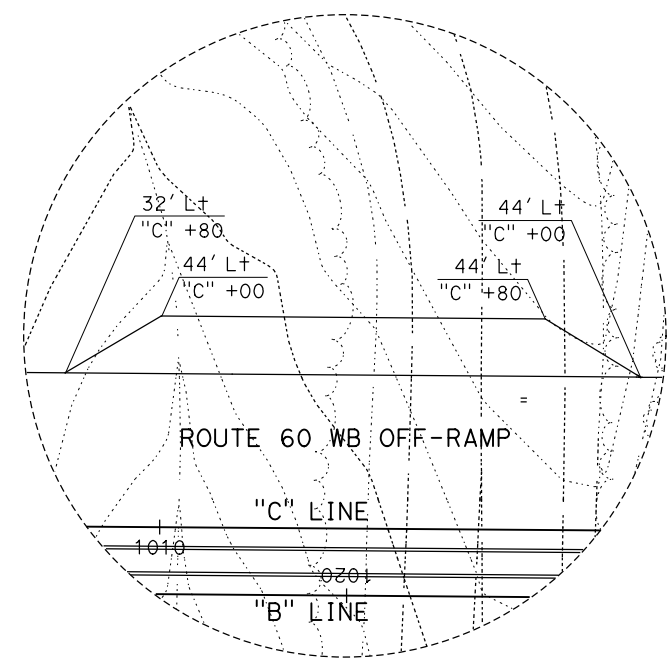
MVP DETAIL AT "S" LINE



MVP DETAIL AT "D" LINE



MVP DETAIL AT "C" LINE



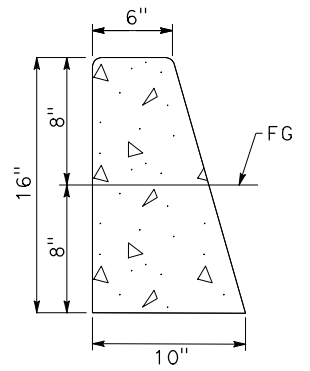
MVP DETAIL AT "C" LINE

CONSTRUCTION DETAILS
(MVP DETAILS)
SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISED BY: ERIK ADELMAN
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	60	358

<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER		07/01/20 DATE
PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

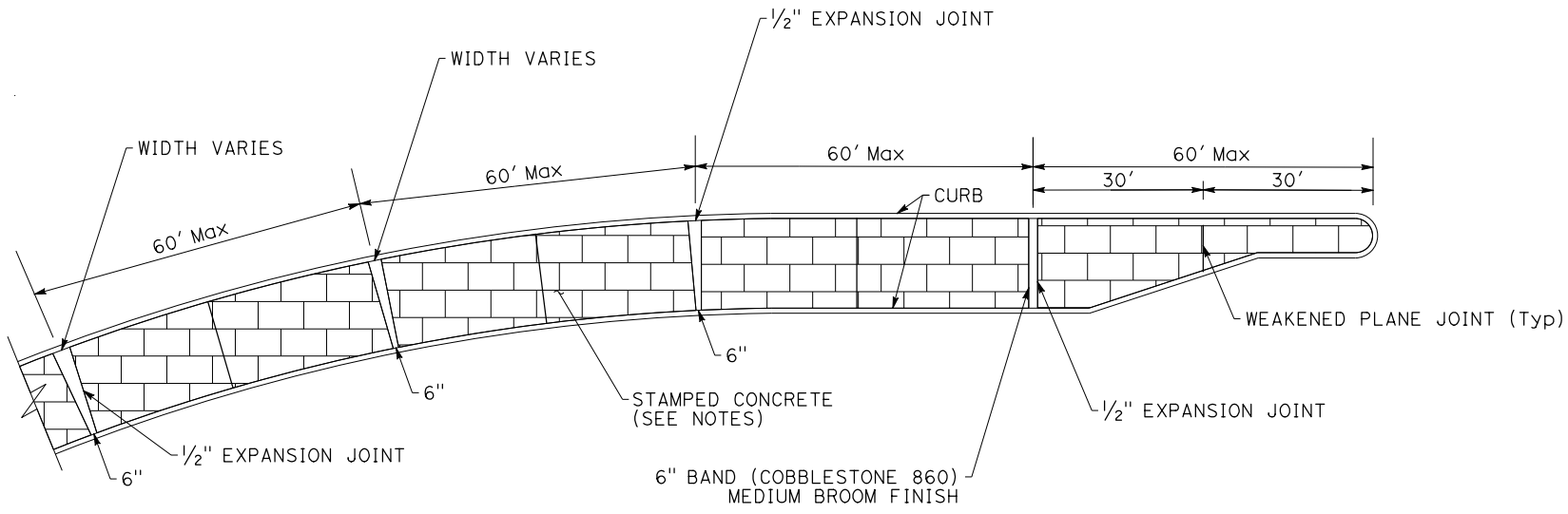


TYPE 8A CURB

NOTES:

1. ALL EXPOSED CORNERS SHALL BE FINISHED WITH 1/2" RADIUS.
2. FINISH SHALL BE FINE BROOM.
3. WEAKENED PLANE JOINTS AT 10' INTERVALS.

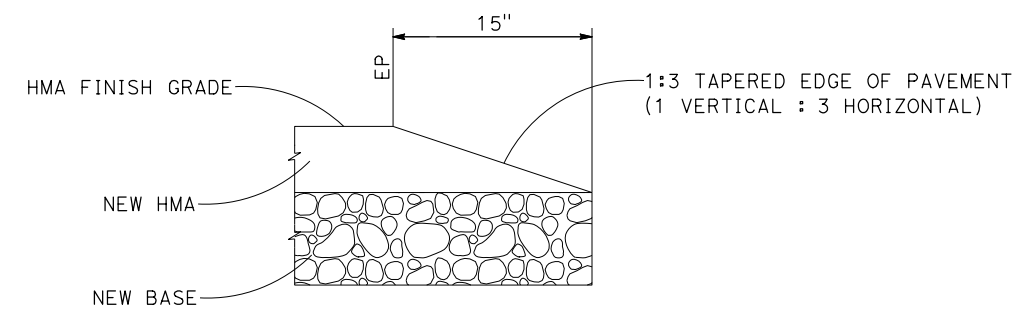
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR
 CALCULATED-DESIGNED BY
 REVISOR BY
 DATE REVISOR
 ERIC ADELMAN
 DANIEL KACHI
 NICOLE DEPUY
 NICHOLE DEPUY



MEDIAN HARDSCAPE

NOTES:

1. DECORATIVE HARDSCAPE SHALL BE BRICK PATTERN COLORED STAMPED CONCRETE, 4" THICK AND 24" WIDE (MAXIMUM).
2. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A SAMPLE OF THE STAMPED CONCRETE A MINIMUM OF 4 SQUARE FEET BY 4" THICK, OR SHALL INDICATE TWO LOCATIONS WITHIN A 10 MILE LIMIT FROM THE CITY WHERE THEIR PREVIOUS WORK CAN BE OBSERVED.
3. AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 AND/OR A NORMAL SET OR RETARDED SET WATER REDUCING ADMIXTURE CONFORMING WITH ASTM C494 MAY BE USED. CALCIUM CHLORIDE WILL NOT BE ALLOWED.
4. THE SLUMP SHALL NOT EXCEED 4".
5. THE COLORING MIXTURE FOR THE STAMPED CONCRETE SHALL BE INTEGRALLY MIXED AND SHALL BE "COBBLESTONE" No. 860, BY DAVIS COLORS, OR APPROVED EQUAL, MATCHING THE CITY ENGINEER'S SELECTED AND APPROVED SAMPLE PATTERN. A TRANSLUCENT CURING COMPOUND SHALL BE APPLIED UNIFORMLY TO THE CONCRETE IMMEDIATELY AFTER FINISHING.
6. THE CONTRACTOR SHALL DELIVER TO THE CITY ENGINEER TWO LABELS FROM THE PACKAGES CONTAINING THE SPECIFIC COLORING AGENT USED IN THE COURSE OF THE SPECIFIED WORK.
7. THE CONTRACTOR SHALL USE PRECISION STAMPED CONCRETE TOOL #507 OR APPROVED EQUAL.



TAPERED EDGE (Mod) - CITY RIGHT-OF-WAY

NOTES:

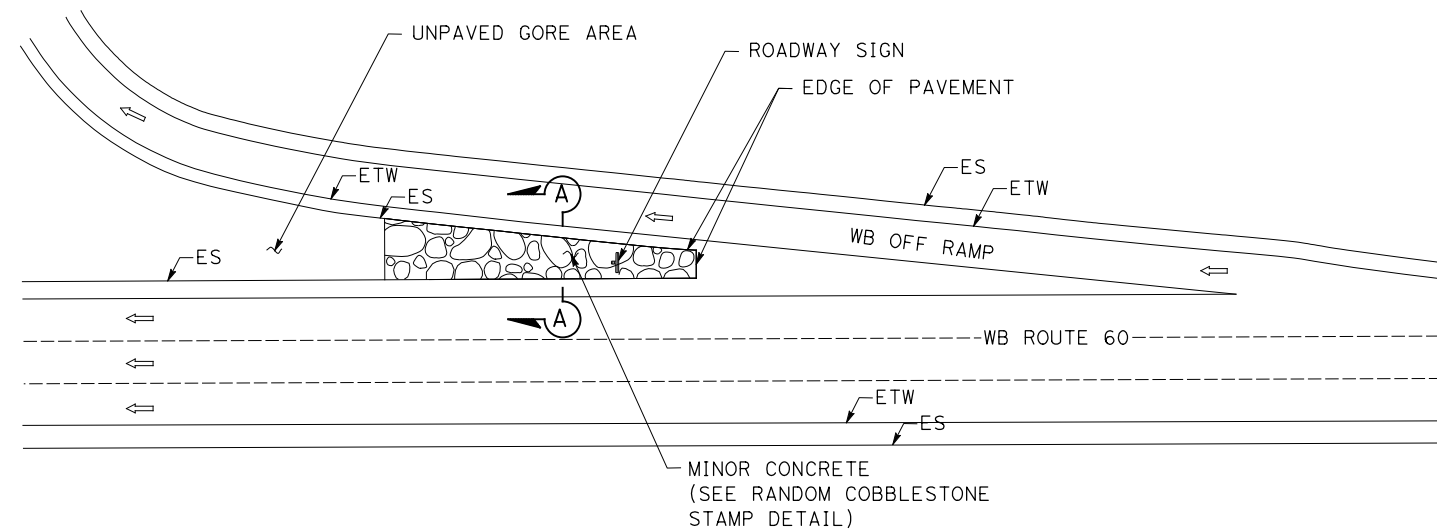
1. TAPERED EDGE (Mod) SHALL BE PLACED AT ALL EDGE OF PAVEMENT WITHIN CITY RIGHT-OF-WAY WHERE CURB WILL NOT BE CONSTRUCTED.
2. TAPERED EDGE (Mod) DETAIL TO BE USED FOR CITY RIGHT OF WAY ONLY. FOR ALL OTHER PAVEMENT TAPER EDGE LOCATIONS, SEE STANDARD PLANS P74-P76.

**CONSTRUCTION DETAILS
(CITY DETAILS)**

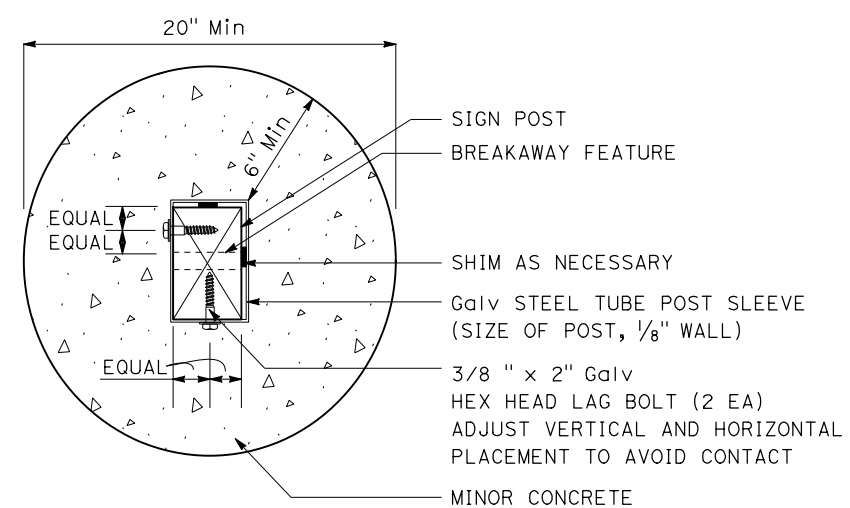
NO SCALE

C-30

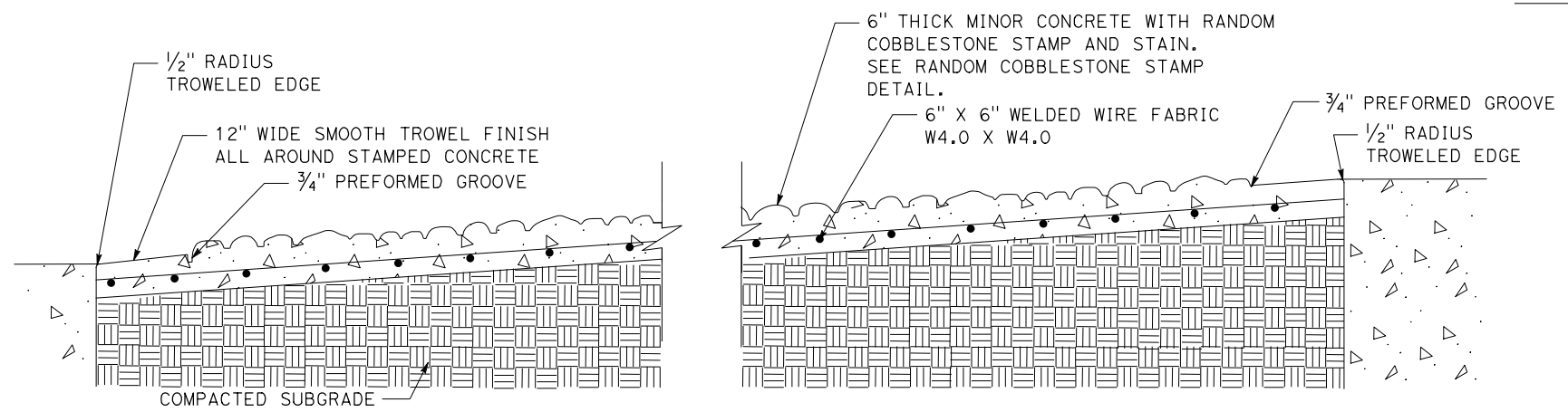
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	61	358
Daniel Kachi REGISTERED CIVIL ENGINEER		07/01/20 DATE			
PLANS APPROVAL DATE			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



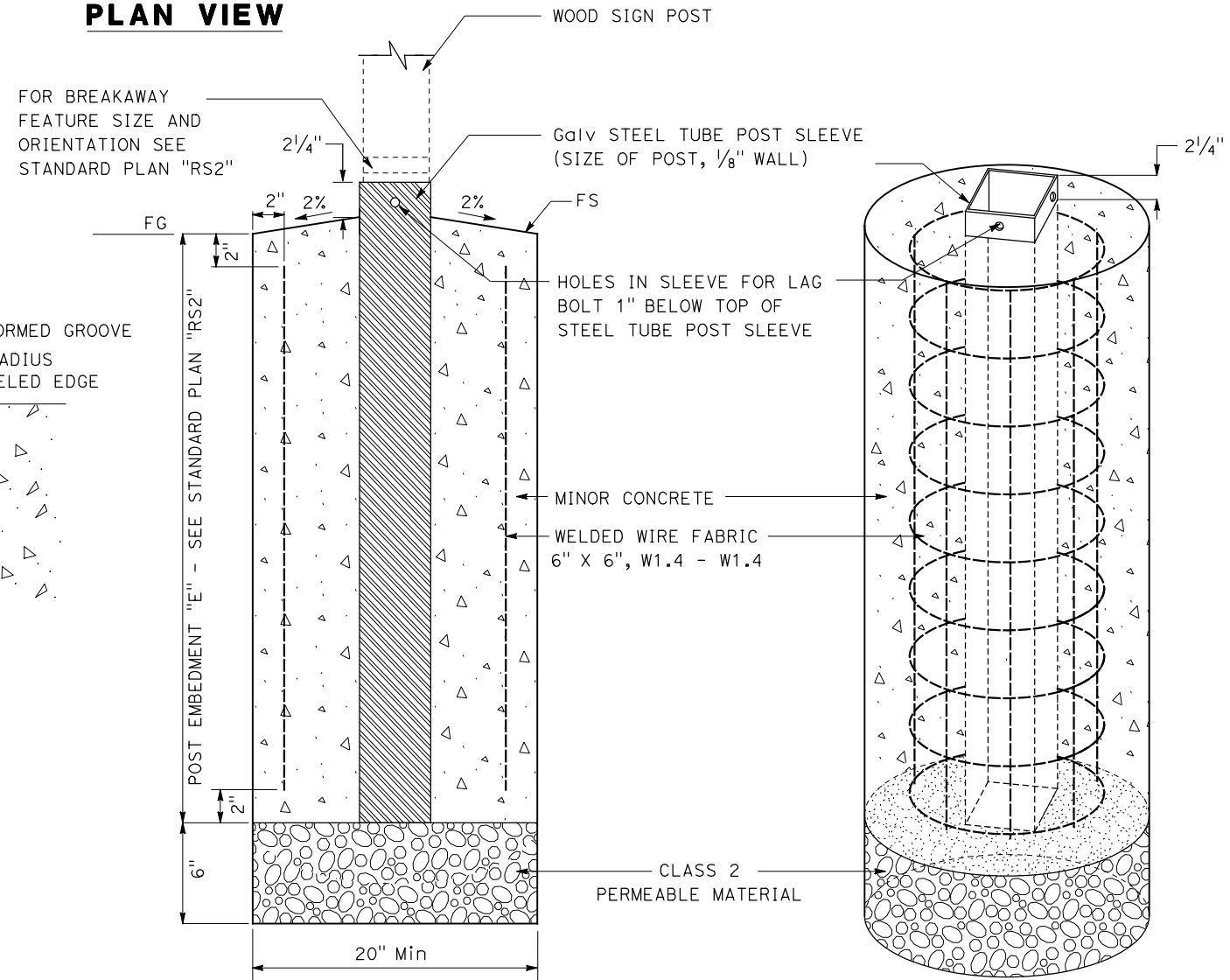
PLAN VIEW



PLAN VIEW

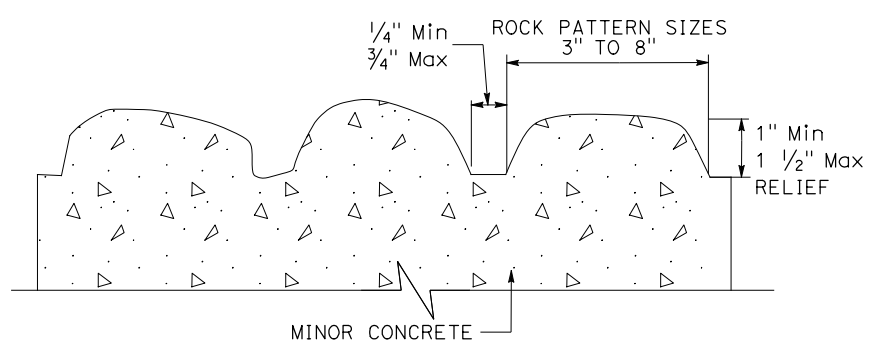


SECTION A-A



SECTION VIEW

ISOMETRIC VIEW



RANDOM COBBLESTONE STAMP

NOTES:

1. THE COLORING MIXTURE FOR THE COBBLESTONE STAMP SHALL BE "COBBLESTONE" No. 860, BY DAVIS COLORS, OR APPROVED EQUAL.
2. STRAIGHT CLEAN EDGE IS REQUIRED PRIOR TO INSTALLING MINOR CONCRETE.
3. 12-24 HOURS PRIOR TO INSTALLING MINOR CONCRETE, THE EXISTING EDGE MUST BE SAWCUT SMOOTHLY AS SHOWN ON THE PLAN.
4. RANDOM COBBLESTONE PATTERN TO BE APPROVED BY RESIDENT ENGINEER.

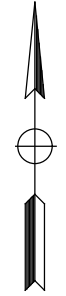
**CONSTRUCTION DETAILS
(GORE PAVING DETAILS)**

NO SCALE

C-31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISIONS: 08-00-00
 DATE PLOTTED => 04-AUG-2020
 TIME PLOTTED => 13:05

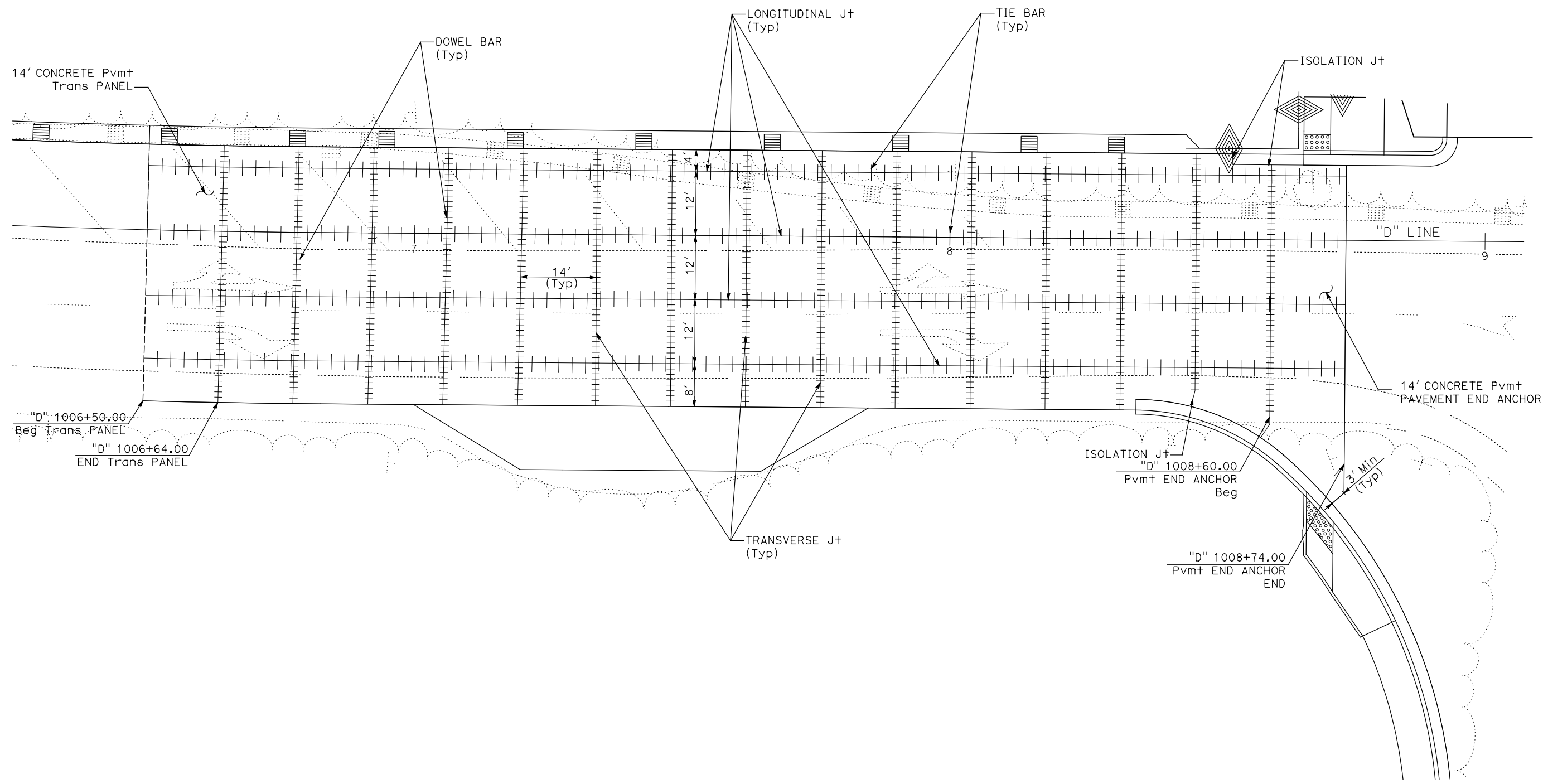
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	62	358
<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE _____					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES:

1. JOINT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED TO FIT FIELD CONDITIONS.
2. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS P1, P18, P20 AND P30.
3. SEE ELECTRICAL PLANS FOR LOOP DETECTORS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISOR BY	DATE REVISED



CONSTRUCTION DETAILS
(RAMP TERMINI JOINT LAYOUT
EB OFF-RAMP "D" LINE)
 SCALE: 1" = 10'

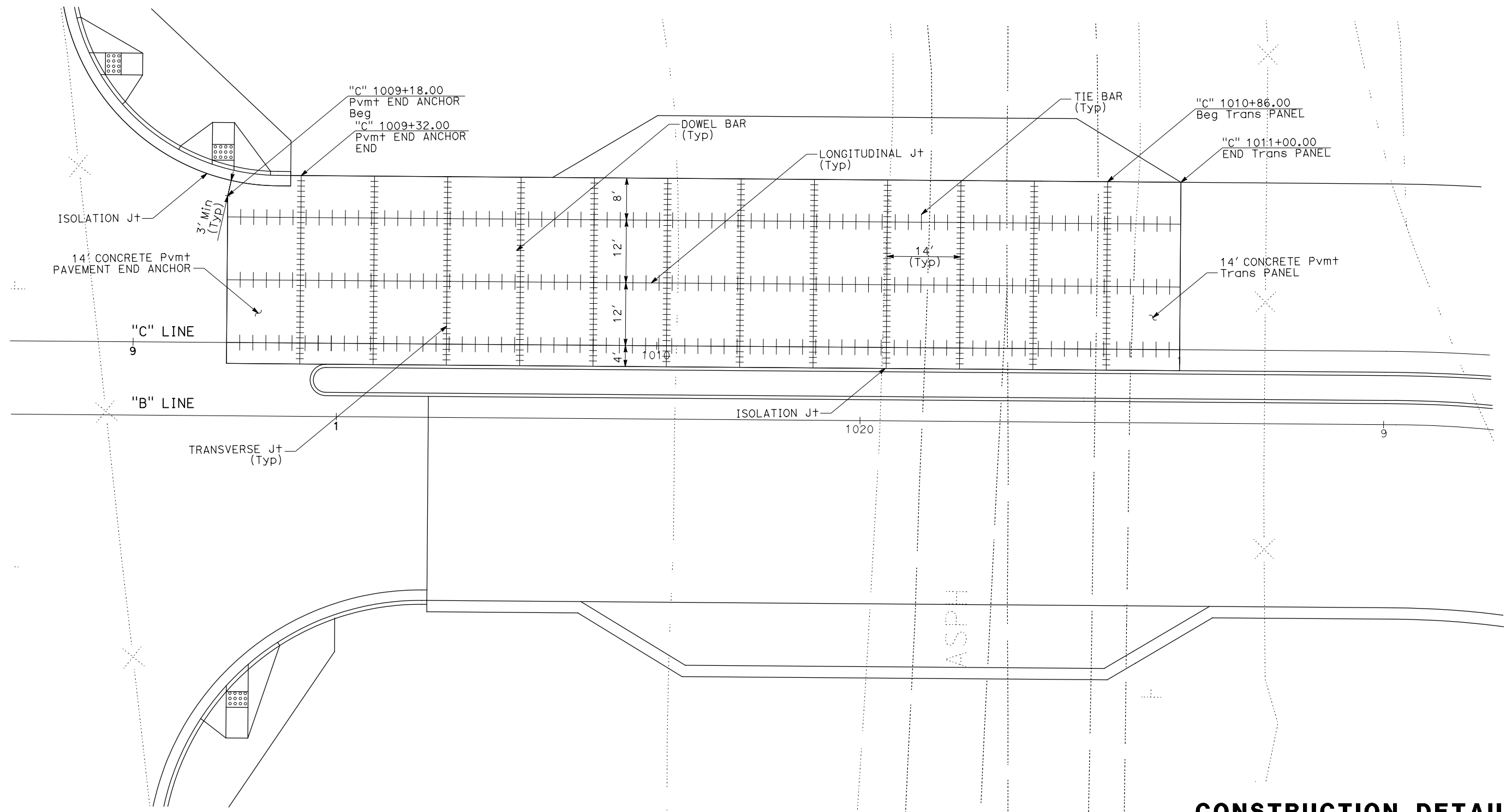
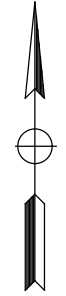
C-32

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 16:38

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	63	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

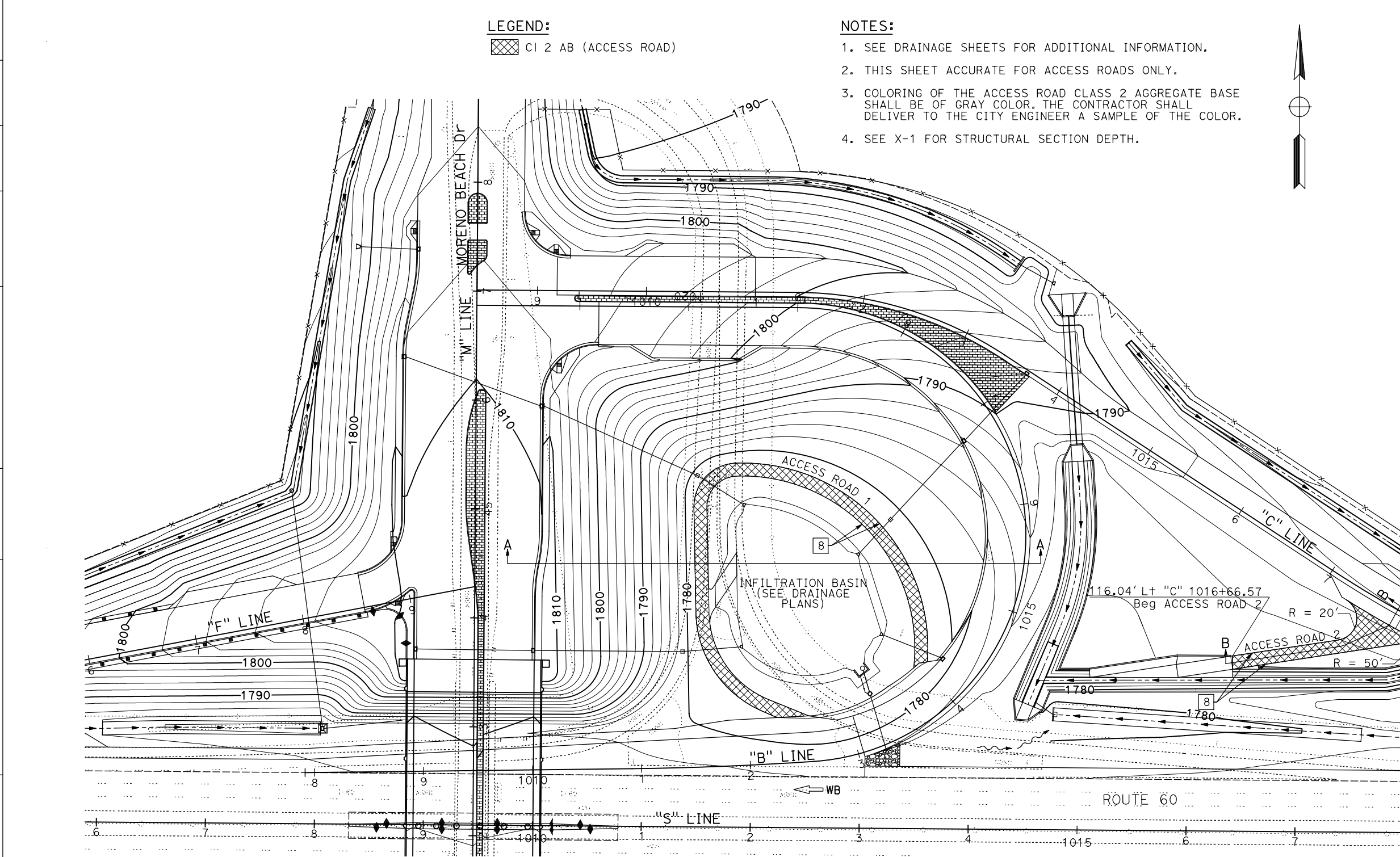
1. JOINT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED TO FIT FIELD CONDITIONS.
2. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS P1, P18, P20 AND P30.
3. SEE ELECTRICAL PLANS FOR LOOP DETECTORS.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISOR	DATE

CONSTRUCTION DETAILS
 (RAMP TERMINI JOINT LAYOUT
 WB OFF-RAMP "C" LINE)
 SCALE: 1" = 10'
C-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN BRANCH H



LEGEND:
 CI 2 AB (ACCESS ROAD)

NOTES:
 1. SEE DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
 2. THIS SHEET ACCURATE FOR ACCESS ROADS ONLY.
 3. COLORING OF THE ACCESS ROAD CLASS 2 AGGREGATE BASE SHALL BE OF GRAY COLOR. THE CONTRACTOR SHALL DELIVER TO THE CITY ENGINEER A SAMPLE OF THE COLOR.
 4. SEE X-1 FOR STRUCTURAL SECTION DEPTH.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	64	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

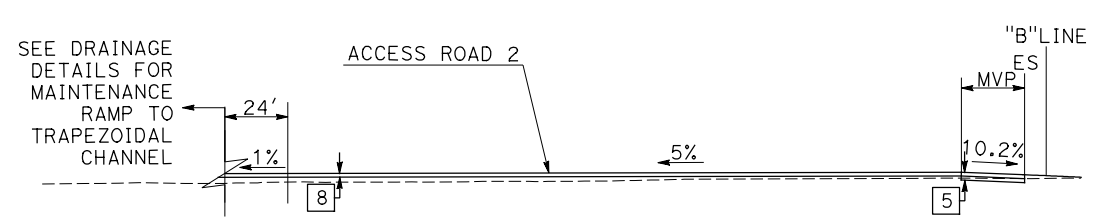
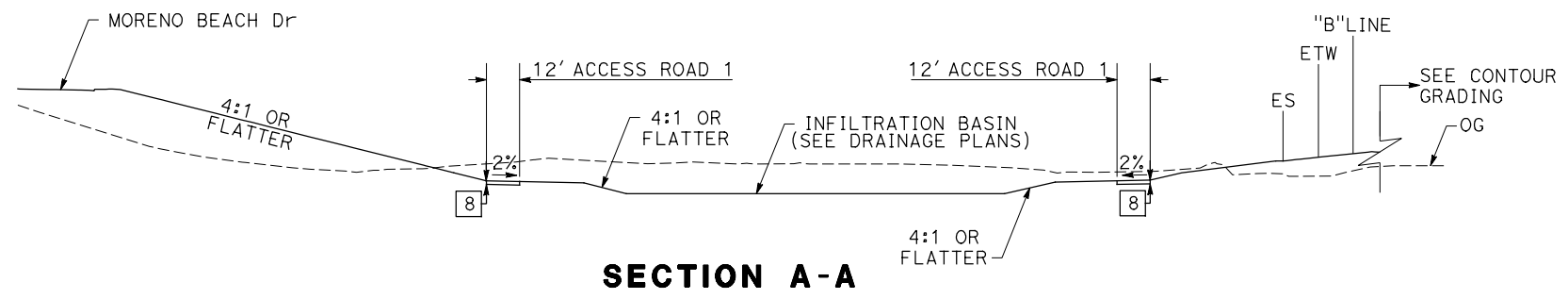
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA



CONSTRUCTION DETAILS
(ACCESS ROADS)
 SCALE: 1" = 50'

C-34

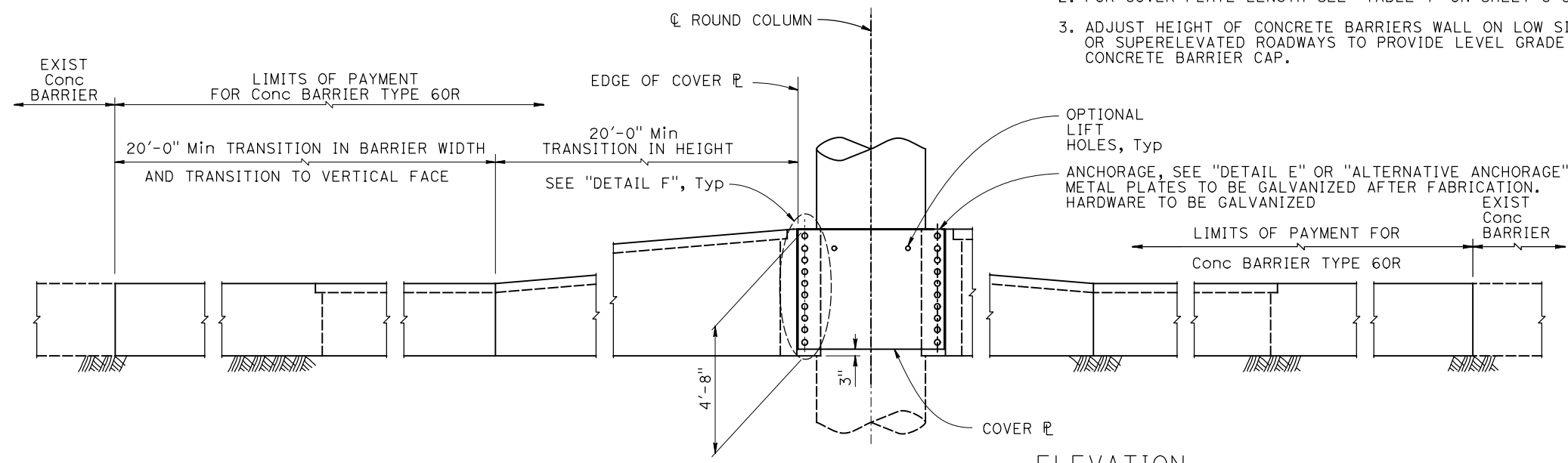
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	65	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

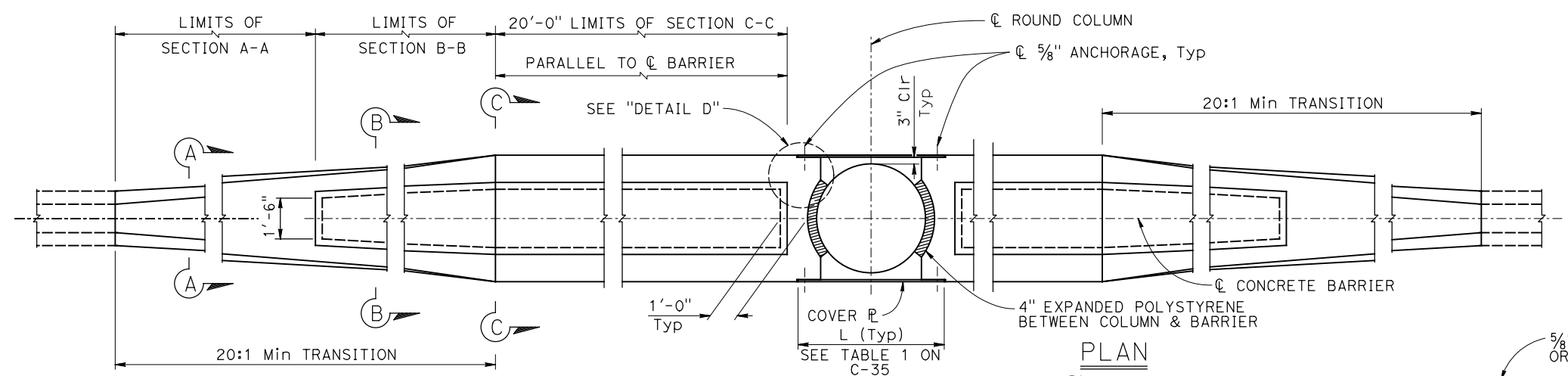
NOTES:

- FOR "DETAIL D", "DETAIL F" AND "TABLE 1" SEE SHEET C-36.
- FOR COVER PLATE LENGTH SEE "TABLE 1" ON SHEET C-36.
- ADJUST HEIGHT OF CONCRETE BARRIERS WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE BARRIER CAP.



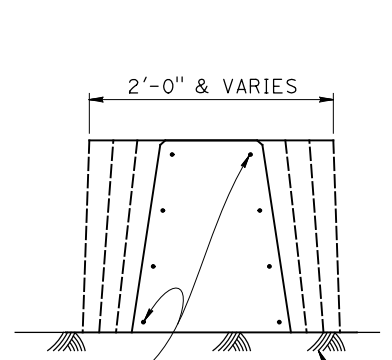
ELEVATION

3/8" = 1'-0"



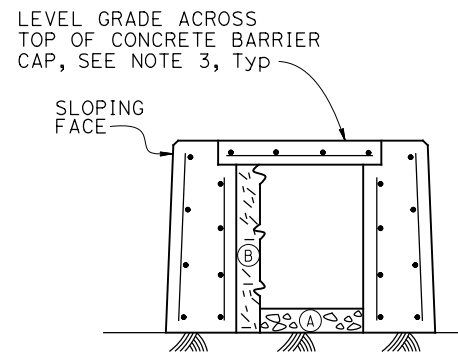
PLAN

3/8" = 1'-0"



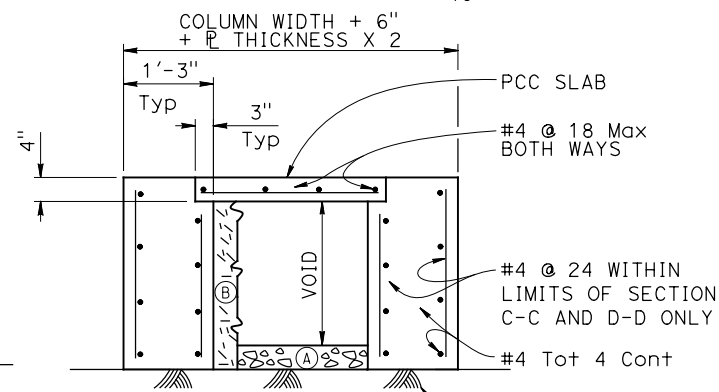
SECTION A-A

3/4" = 1'-0"



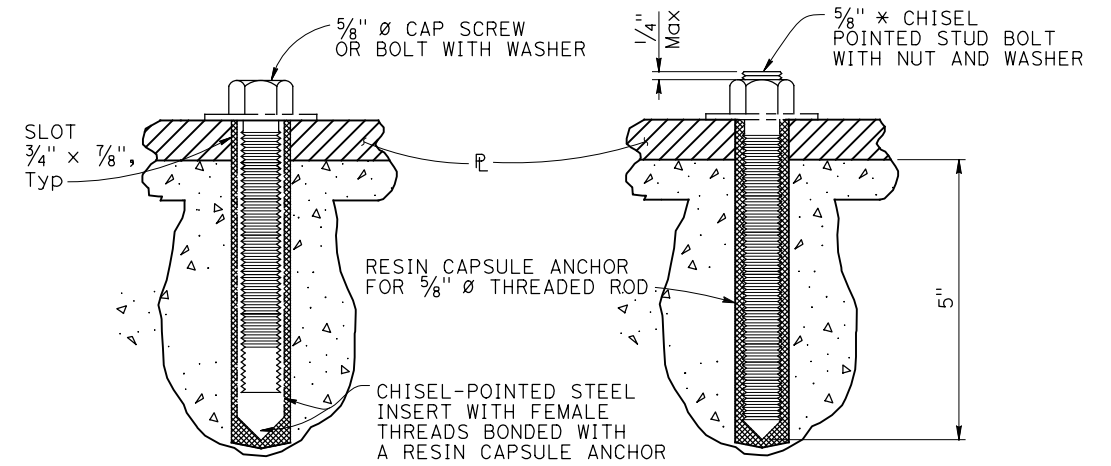
SECTION B-B

3/4" = 1'-0"



SECTION C-C

3/4" = 1'-0"



ALTERNATIVE A

ALTERNATIVE B

ALTERNATIVE ANCHORAGE

NO SCALE

NOTES:

- CONTRACTOR OPTIONS FOR FILL BETWEEN BARRIER WALLS
 - PLACE 4" PCC AT BASE BETWEEN BARRIER WALLS
 - PLACE GRANULAR MATERIAL FROM BASE TO BOTTOM OF 4" CAP

CONCRETE BARRIER TYPE 60R (TRANSITION AT BRIDGE COLUMNS)

SHEET 1)
 NO SCALE

C-35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 ERIK ADELMAN DANIEL KACHI
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	66	358

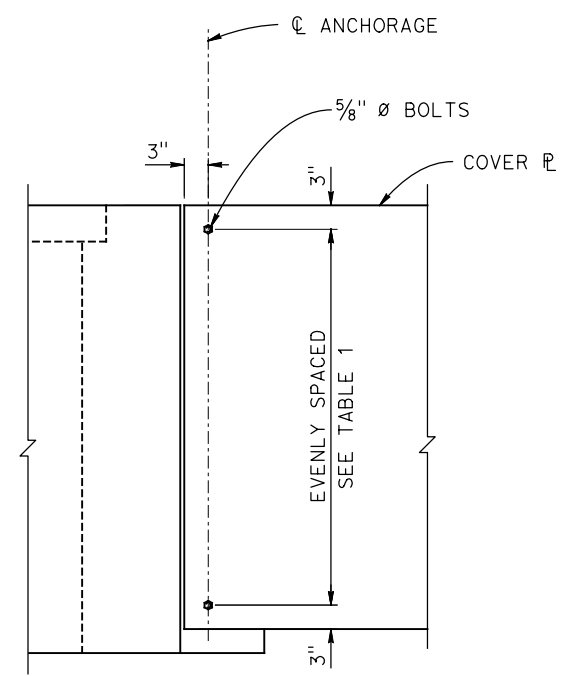
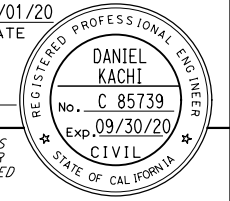
Daniel Kachi 07/01/20
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

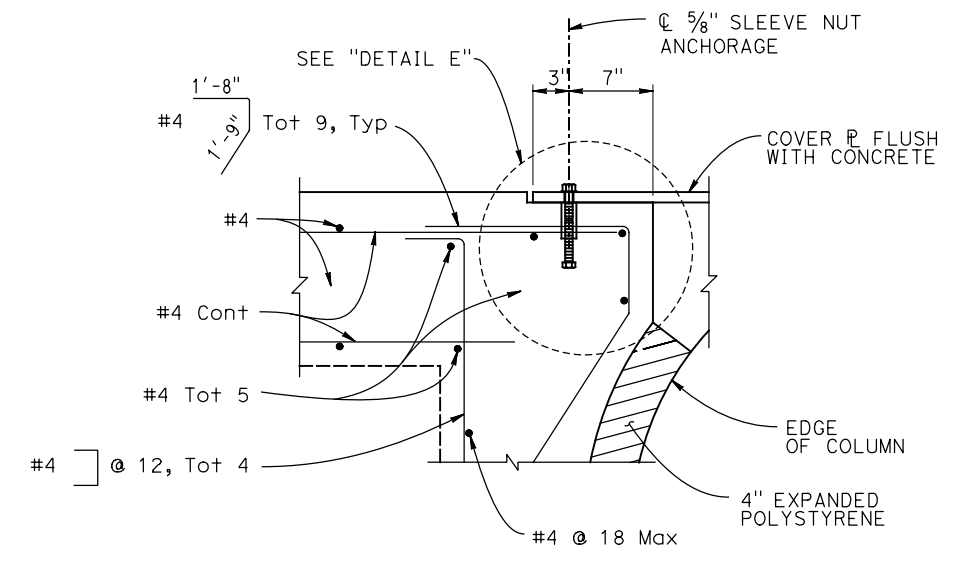
CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



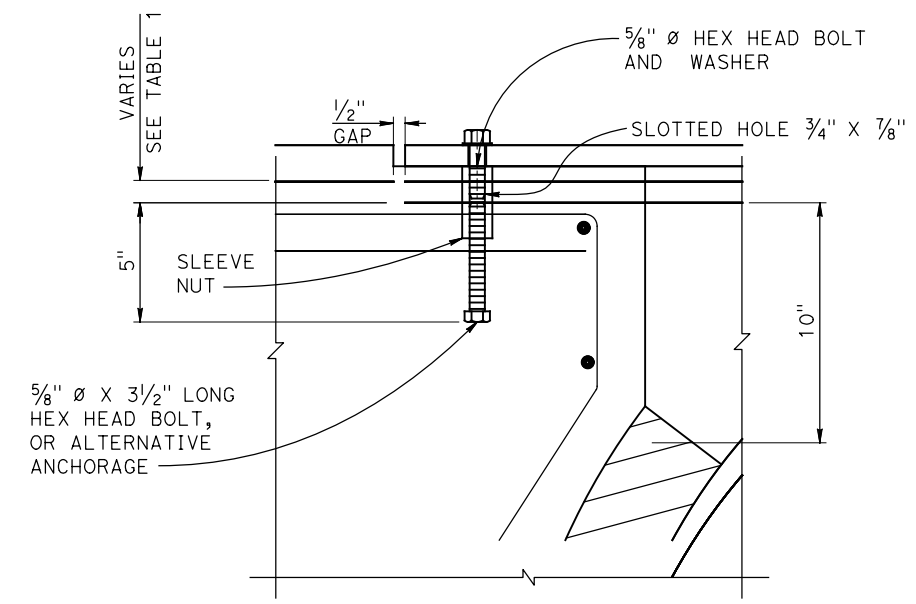
DETAIL F
1" = 1'-0"

TABLE 1		
L (ft)	PLATE THICKNESS (in)	TOTAL No. OF BOLTS
8'-6" Max	7/8	10
6'-6" Max	1/6	7
4'-6" Max	7/16	5

NOTE:
STRUCTURAL STEEL SHALL BE ASTM A709/A709M GRADE 50 UNLESS OTHERWISE NOTED.



DETAIL D
1/2" = 1'-0"



DETAIL E
3" = 1'-0"

**CONCRETE BARRIER TYPE 60R
(TRANSITION AT BRIDGE COLUMNS
SHEET 2)
NO SCALE**

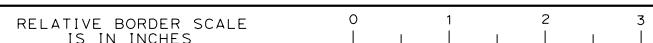
C-36

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DESIGN BRANCH H

Caltrans

REVISOR	DATE	REVISION
ERIK ADELMAN		
DANIEL KACHI		
REVISOR	DATE	REVISION
ERIK ADELMAN		
DANIEL KACHI		
DESIGNED BY	CHECKED BY	
NICOLE DEPUY		

USERNAME => p003256D
DGN FILE => 0812000059ga036.dgn




LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 16:39

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

BORDER LAST REVISED 7/2/2010

USERNAME => p003256D
 DGN FILE => 0812000059gd001.dgn


RELATIVE BORDER SCALE
 IS IN INCHES



UNIT 2232

PROJECT NUMBER & PHASE 08120000591

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	67	358

 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.


PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY CHECK DAM	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY FIBER ROLL	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY SILT FENCE
	SQYD	LF	EA	LF	EA	LF
TOTAL	49,817	7,419	43	13,180	7	11,537

TEMPORARY WATER POLLUTION CONTROL QUANTITIES
 NO SCALE **WPCQ-1**

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 15:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	68	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

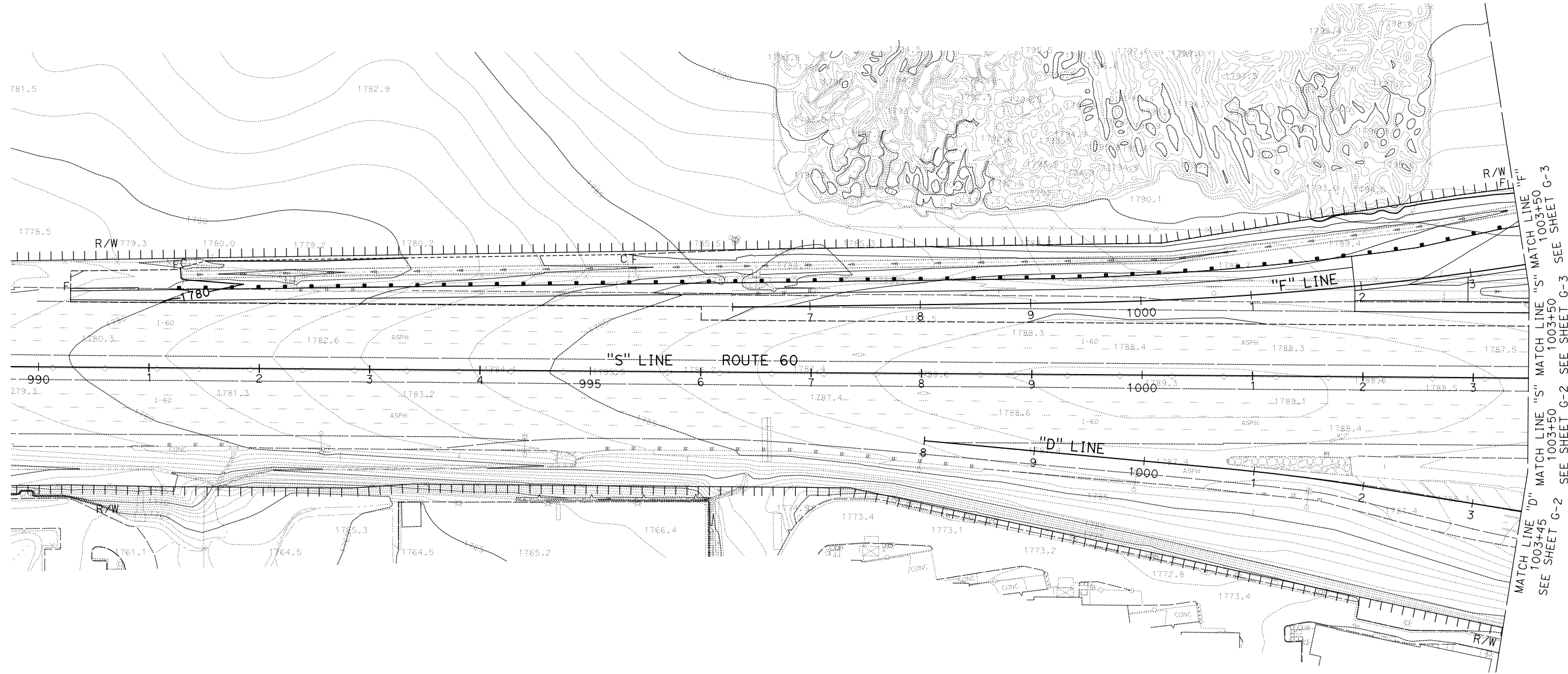


NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ABBREVIATIONS:
 C CUT

ADDENDUM No.	MODIFICATION TO PLAN SHEET
3	EXIST GROUND ELEVATIONS ADDED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	DANIEL KACHI
REVISED BY	DATE REVISED



MATCH LINE "F" 1003+50 SEE SHEET G-3
 MATCH LINE "S" 1003+50 SEE SHEET G-3
 MATCH LINE "D" 1003+50 SEE SHEET G-2
 MATCH LINE "S" 1003+50 SEE SHEET G-2

APPROVED FOR CONTOUR GRADING WORK ONLY

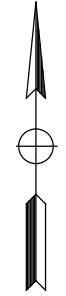
CONTOUR GRADING
 SCALE: 1" = 50'
G-1

LAST REVISION DATE PLOTTED => 24-FEB-2021
 00-00-00 TIME PLOTTED => 20:08

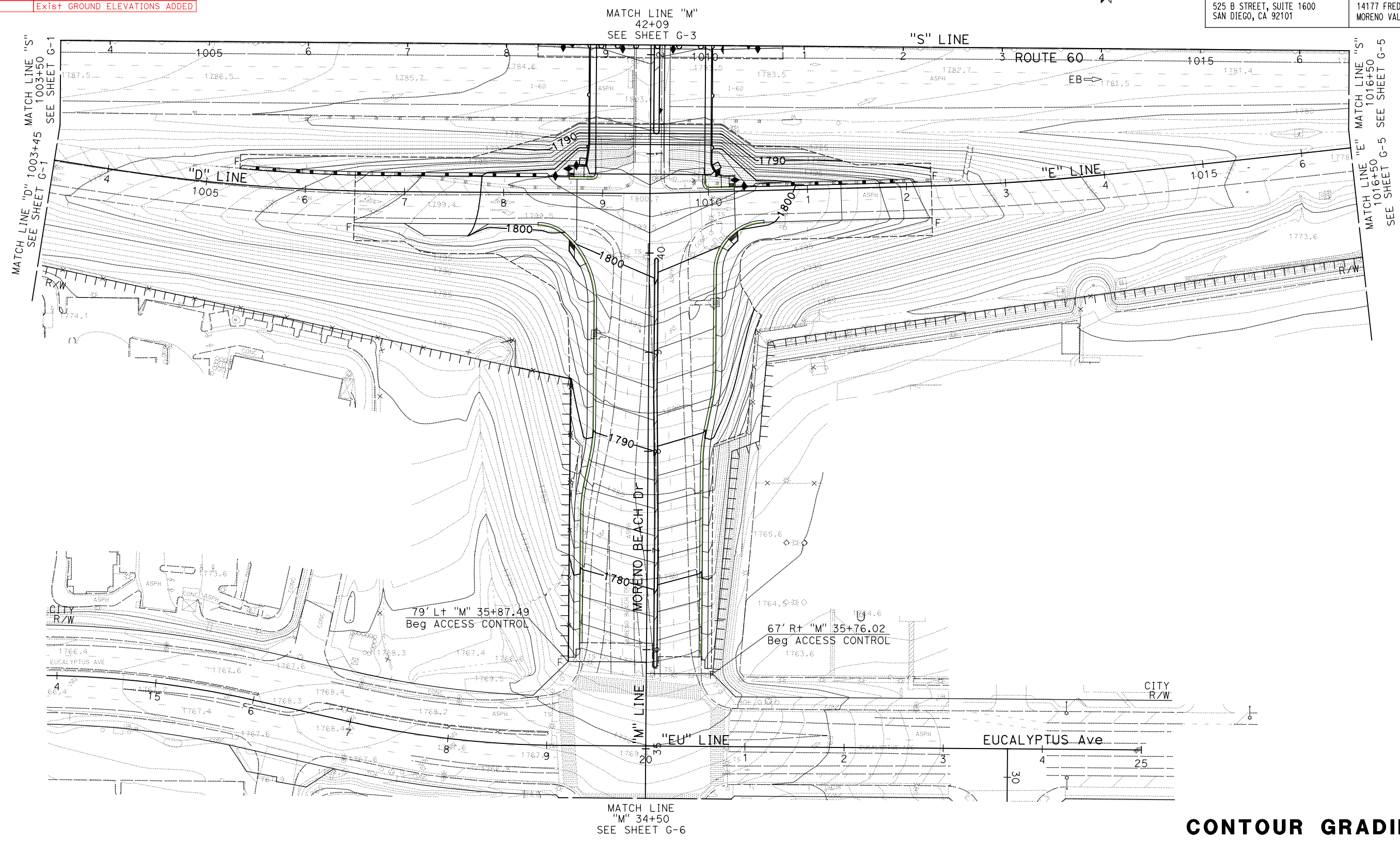
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	69	358

<i>Maria Wilson</i> REGISTERED CIVIL ENGINEER	07/01/20 DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



ADDENDUM No.	MODIFICATION TO PLAN SHEET
3	EXIST GROUND ELEVATIONS ADDED

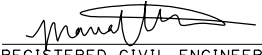


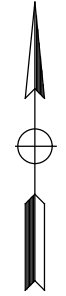
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	DANIEL KACHI
REVISED BY	DATE REVISED

APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
G-2

SCALE: 1" = 50'

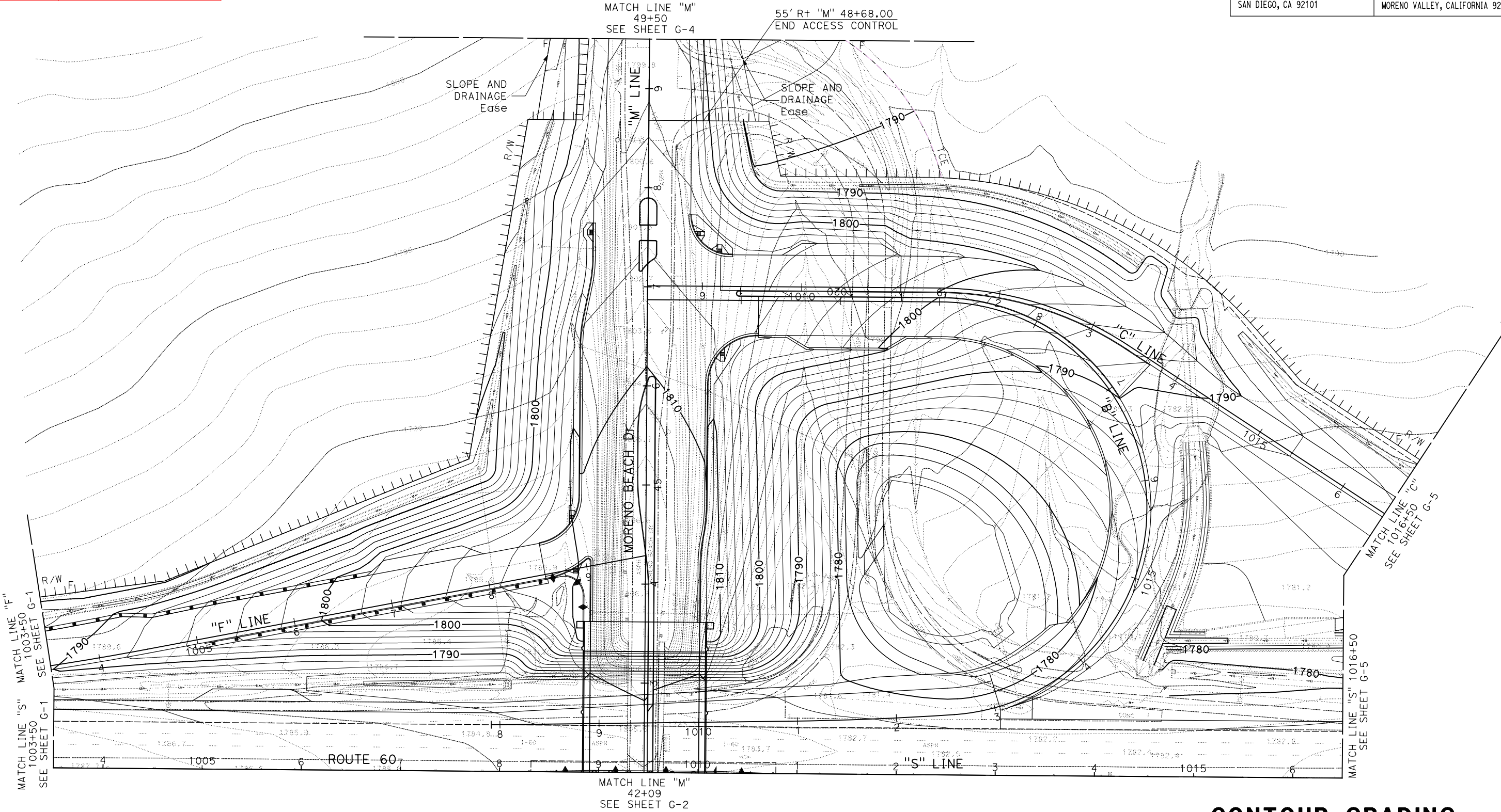
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	70	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ADDENDUM No.	MODIFICATION TO PLAN SHEET
3	EXIST GROUND ELEVATIONS ADDED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	DANIEL KACHI
REVISED BY	DATE REVISED



APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
 SCALE: 1" = 50'
G-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON DANIEL KACHI
 REVISED BY DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ADDENDUM No.	MODIFICATION TO PLAN SHEET
3	EXIST GROUND ELEVATIONS ADDED

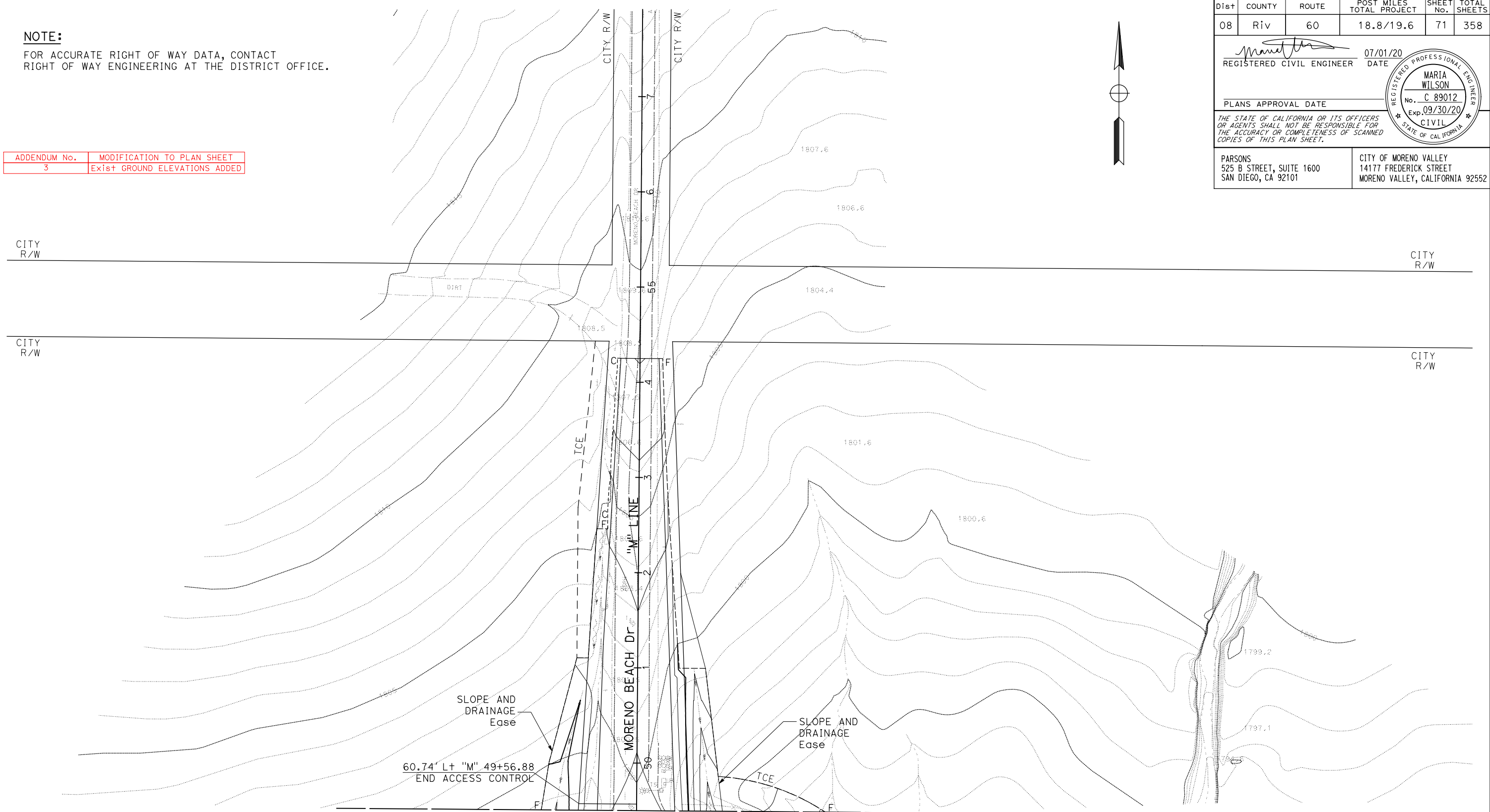
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	71	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 REGISTERED CIVIL ENGINEER
 MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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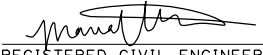


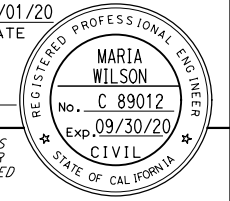
APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
 SCALE: 1" = 50'
G-4

LAST REVISION DATE PLOTTED => 24-FEB-2021
 00-00-00 TIME PLOTTED => 20:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	72	358



 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

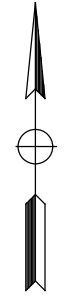
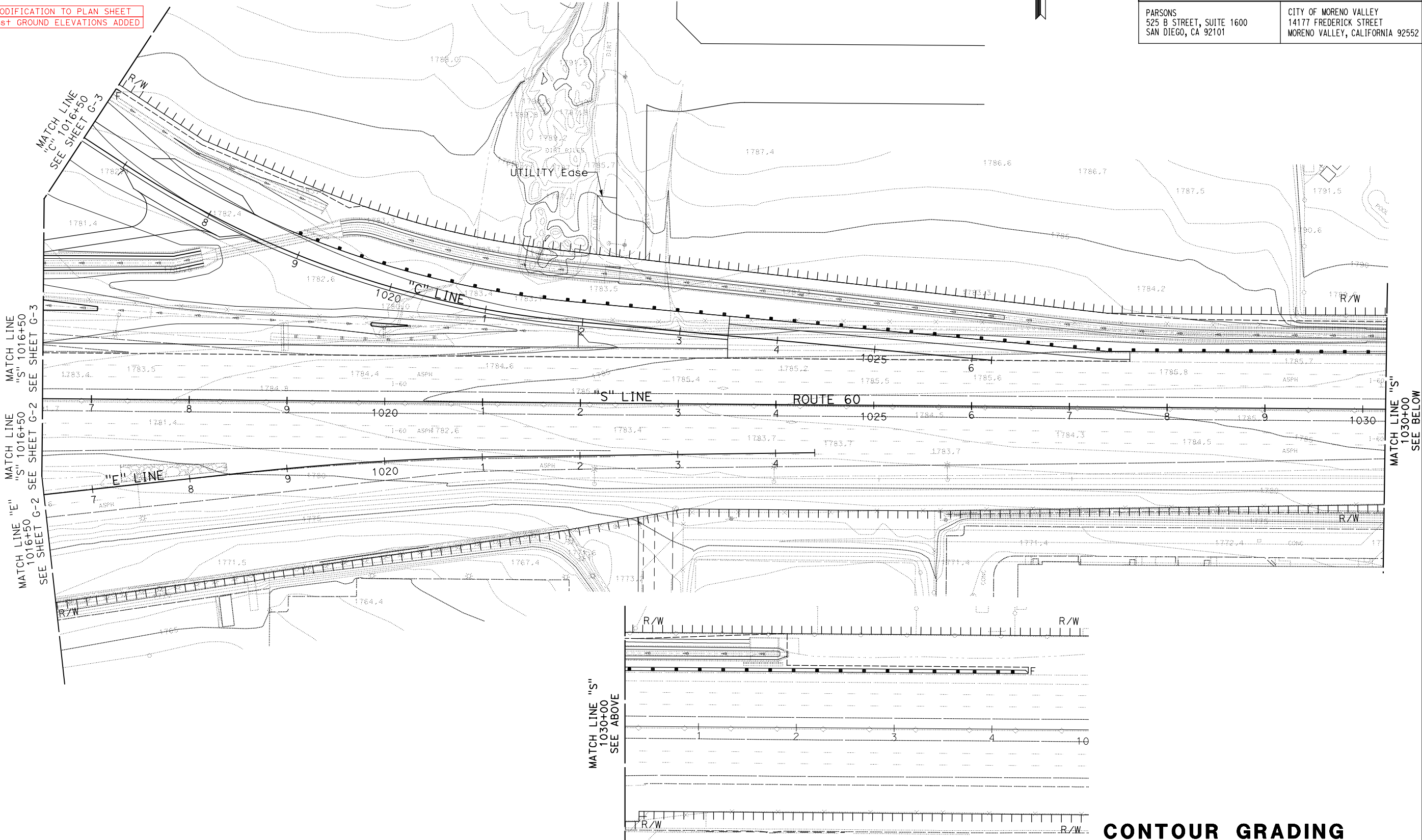


PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ADDENDUM No. 3
 MODIFICATION TO PLAN SHEET
 Exist GROUND ELEVATIONS ADDED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	MARIA WILSON	DANIEL KACHI	REVISOR	DATE
									



APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
 SCALE: 1" = 50'
G-5

LAST REVISION DATE PLOTTED => 24-FEB-2021
 00-00-00 TIME PLOTTED => 20:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

MARIA WILSON
 DANIEL KACHI

REVISED BY
 DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ADDENDUM No.	MODIFICATION TO PLAN SHEET
3	EXIST GROUND ELEVATIONS ADDED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	73	358

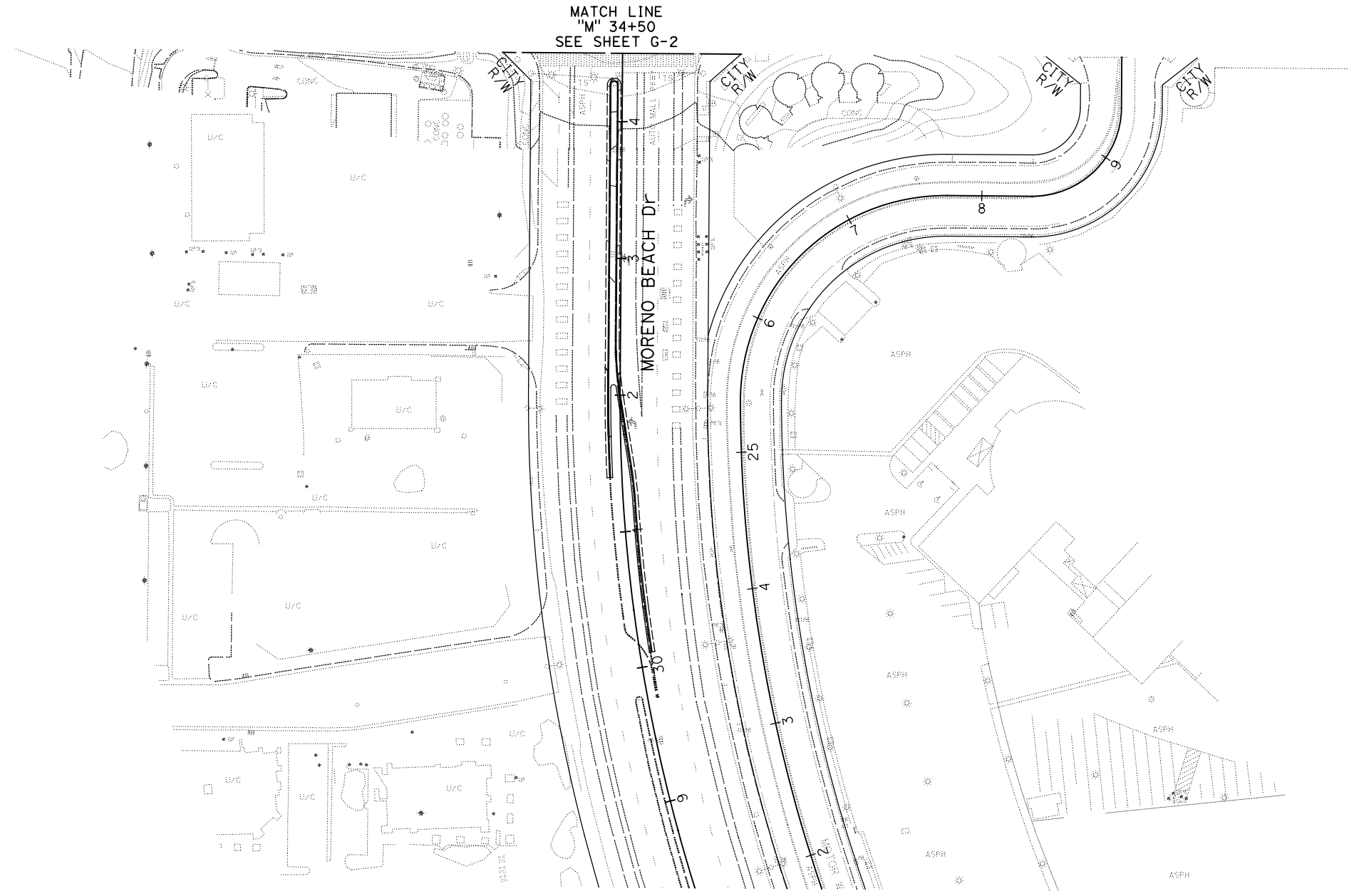
REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
 SCALE: 1" = 50'
G-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	74	358
			07/01/20		
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

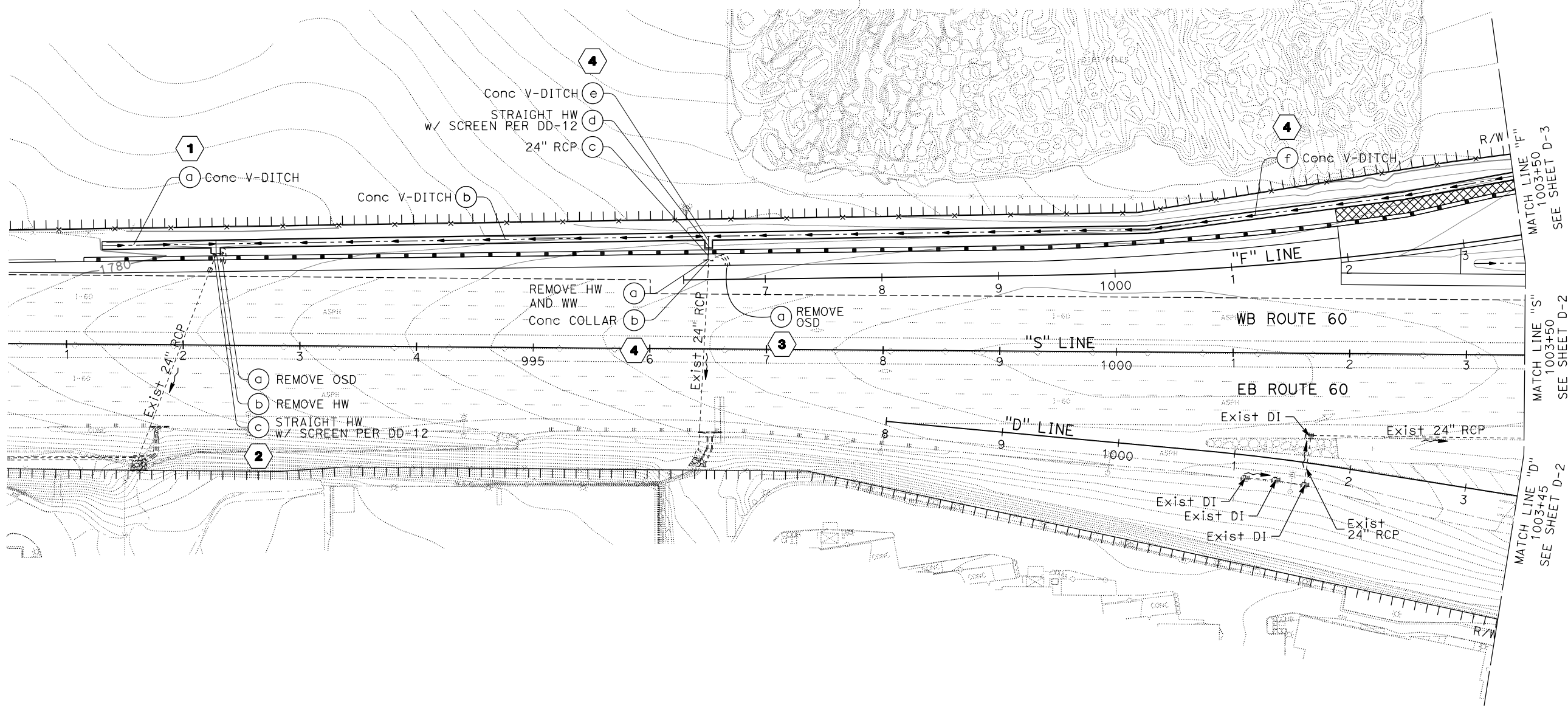
LEGEND

- PROPOSED STORM DRAIN
- CONCRETE DITCH
- FLARED END SECTION
- BIOSTRIP

- EXISTING CULVERT
- CONCRETE APRON
- TRAPEZOIDAL CHANNEL
- SWALE (GRADE TO DRAIN)
- DIRECTION OF FLOW

ABBREVIATIONS

- RCFCWCD - RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
- B - CHANNEL BOTTOM WIDTH
- SS - SIDE SLOPE
- PE - PERMANENT EASEMENT
- CB - CATCH BASIN




1 2 3 4

DRAINAGE PLAN
SCALE 1" = 50'
D-1

APPROVED FOR DRAINAGE WORK ONLY

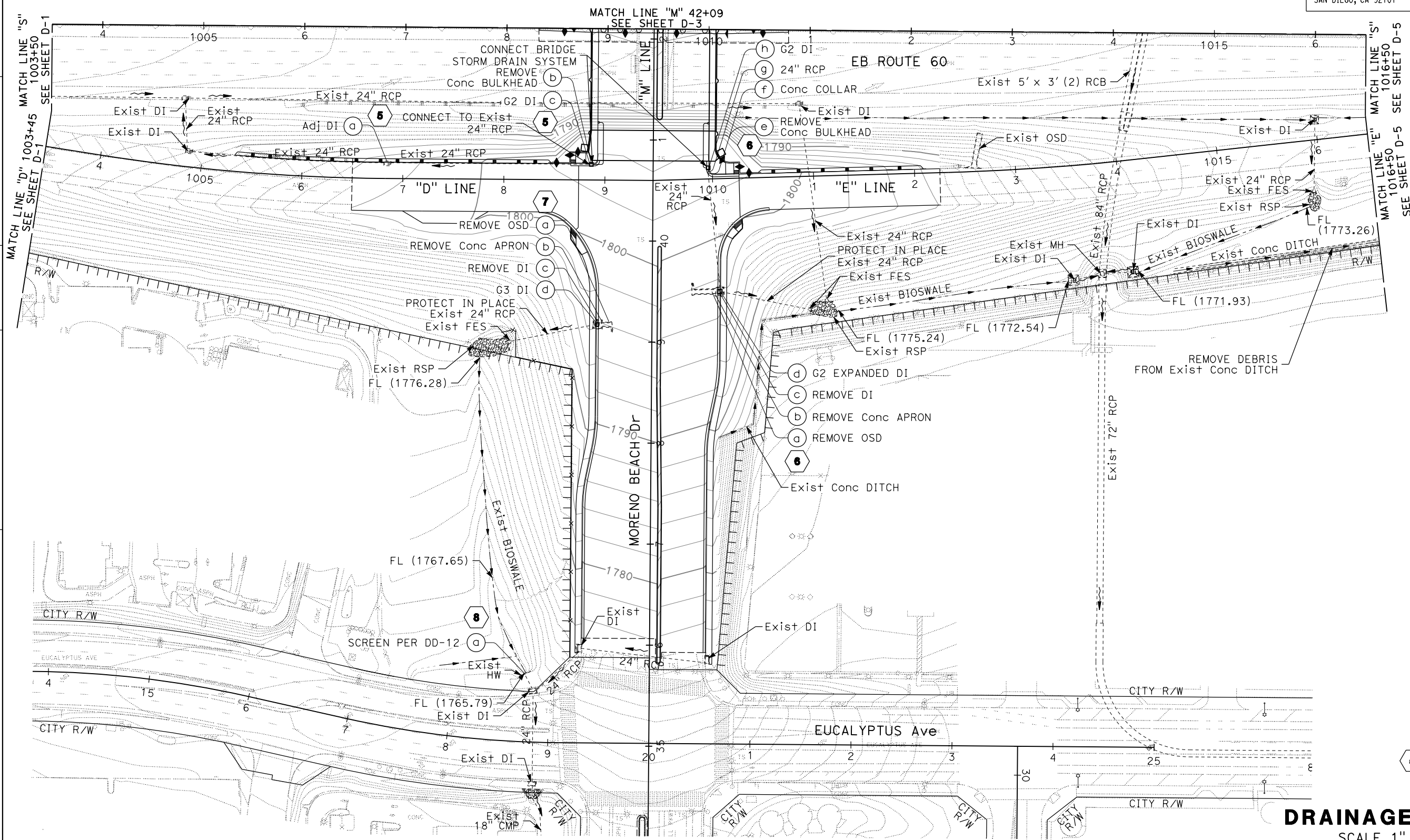
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CLAUDE YAVARASKI
 CHECKED BY: PAUL KOSINSKI
 REVISED BY: CLAUDE YAVARASKI
 DATE REVISED: PAUL KOSINSKI

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	75	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- REFER TO BRIDGE PLANS FOR DECK DRAIN LOCATIONS.



5 6 7 8

DRAINAGE PLAN
SCALE 1" = 50' **D-2**

APPROVED FOR DRAINAGE WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CLAUDE YAVARASKI
 CHECKED BY: PAUL KOSINSKI
 REVISED BY: DATE REVISION

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	76	358

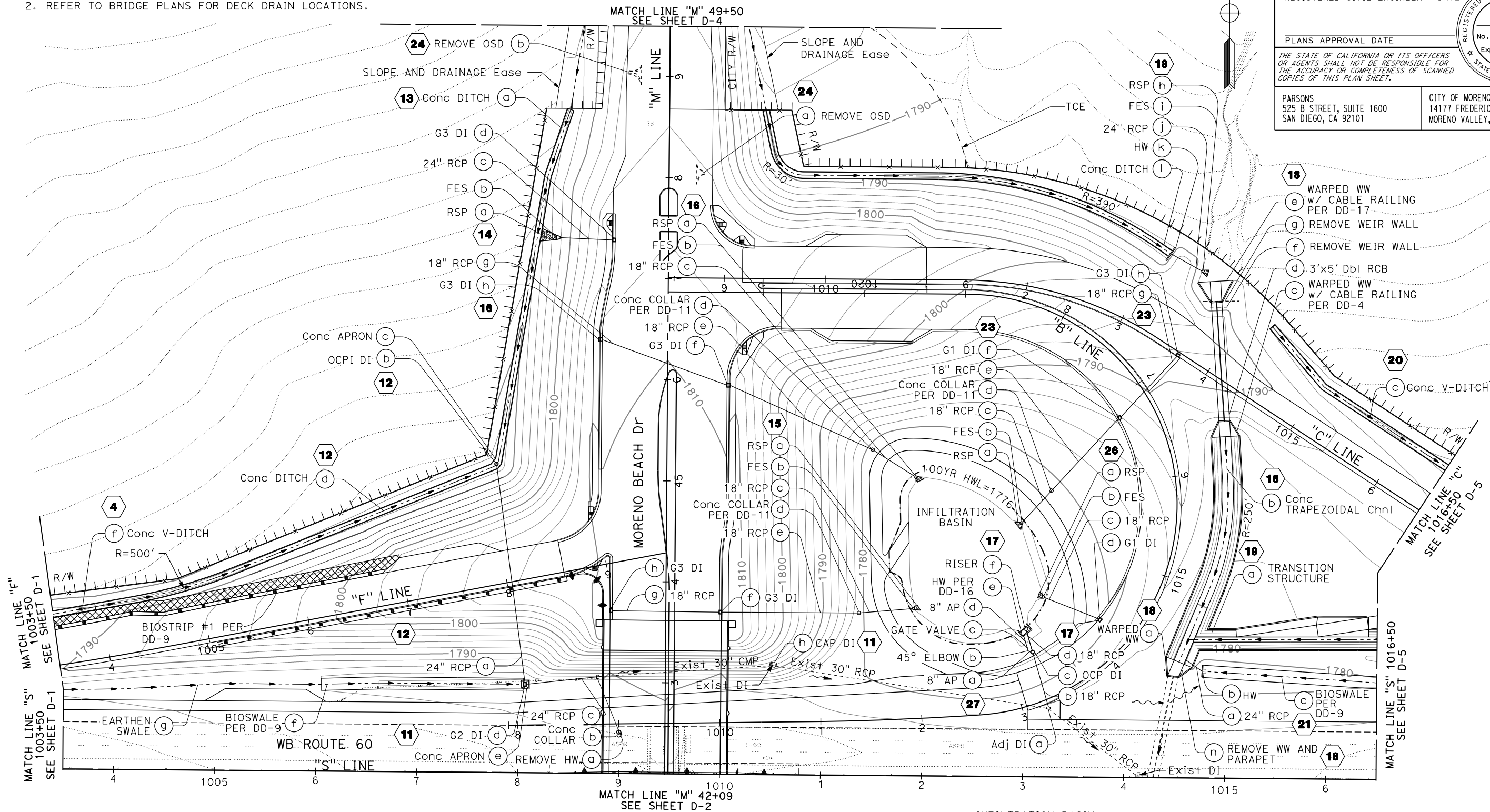
REGISTERED CIVIL ENGINEER DATE 07/01/20
 PAUL KOSINSKI No. C 73254 Exp. 12/31/20
 CIVIL ENGINEER STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- REFER TO BRIDGE PLANS FOR DECK DRAIN LOCATIONS.



INFILTRATION BASIN
100-YR WSEL = 1776'

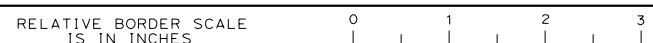
Elevation (FT)	Area (SQ FT)	Volume (CU FT)
1,774.0	15,904.0	
1,774.5	17,087.0	8,246.0
1,775.0	18,106.0	16,993.0
1,775.5	18,106.0	25,489.0
1,776.0	20,230.0	36,047.0
1,776.5	23,419.0	48,851.0
1,777.0	26,608.0	63,082.0

4 11 12 13 14 15 16
17 18 19 20 21 23 24 26 27

DRAINAGE PLAN
SCALE 1" = 50'
D-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISIONS: REVISOR: DATE: REVISIONS: REVISOR: DATE:
 CLAUDE YAVARASKI PAUL KOSINSKI
 USERNAME => p0032560
 DGN FILE => 08120000591a003.dgn

APPROVED FOR DRAINAGE WORK ONLY



UNIT 2232 PROJECT NUMBER & PHASE 08120000591

BORDER LAST REVISED 7/2/2010

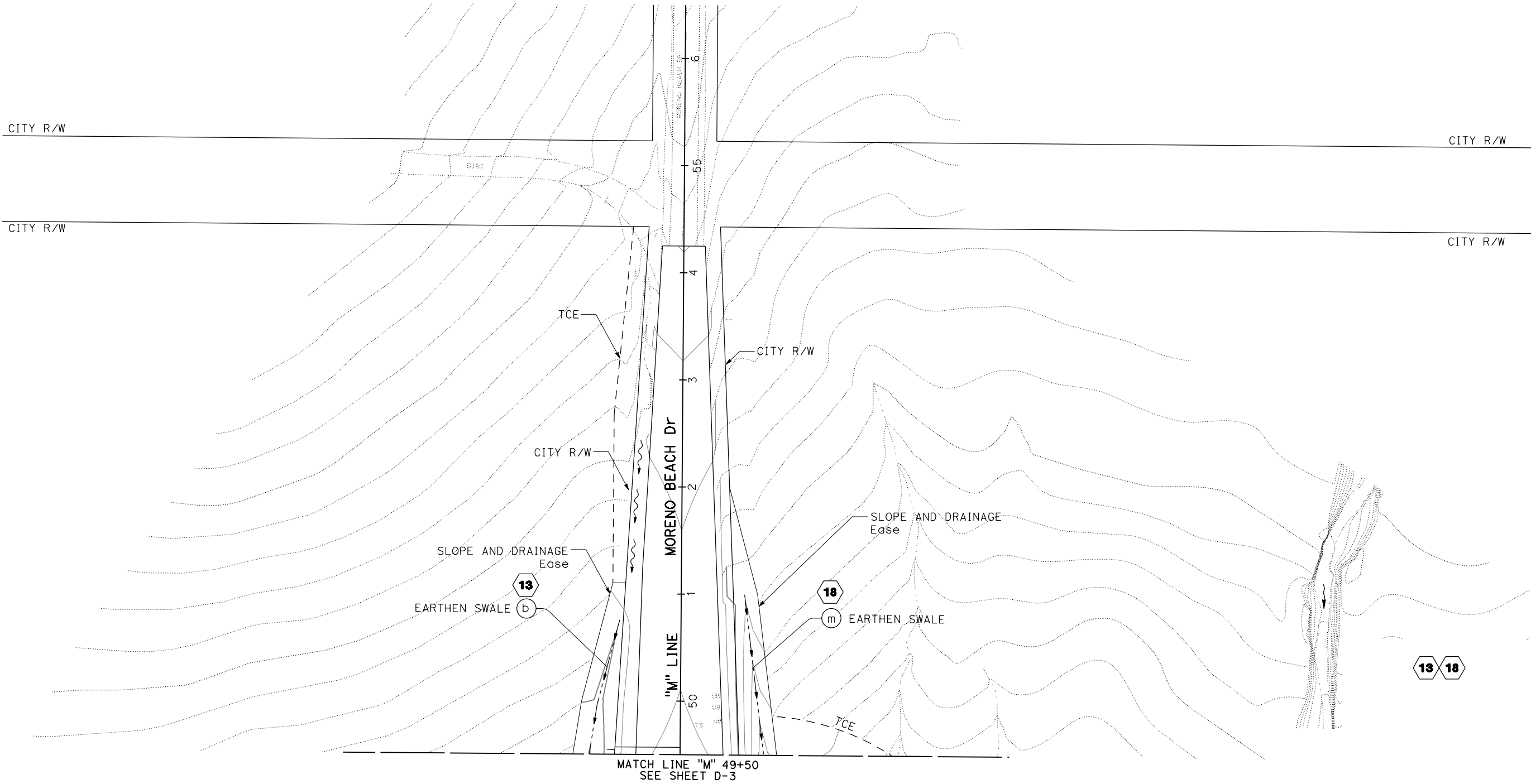
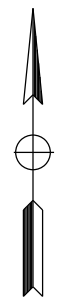
LAST REVISION DATE PLOTTED => 20-JUL-2020
00-00-00 TIME PLOTTED => 10:29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED-DESIGNED BY CHECKED BY
 CLAIRE YAVARASKI PAUL KOSINSKI
 REVISED BY DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	77	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 PAUL KOSINSKI No. C 73254 Exp. 12/31/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



DRAINAGE PLAN
 SCALE 1" = 50'

D-4

APPROVED FOR DRAINAGE WORK ONLY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	78	358

REGISTERED CIVIL ENGINEER DATE 07/01/20

PAUL KOSINSKI
No. C 73254
Exp. 12/31/20
CIVIL

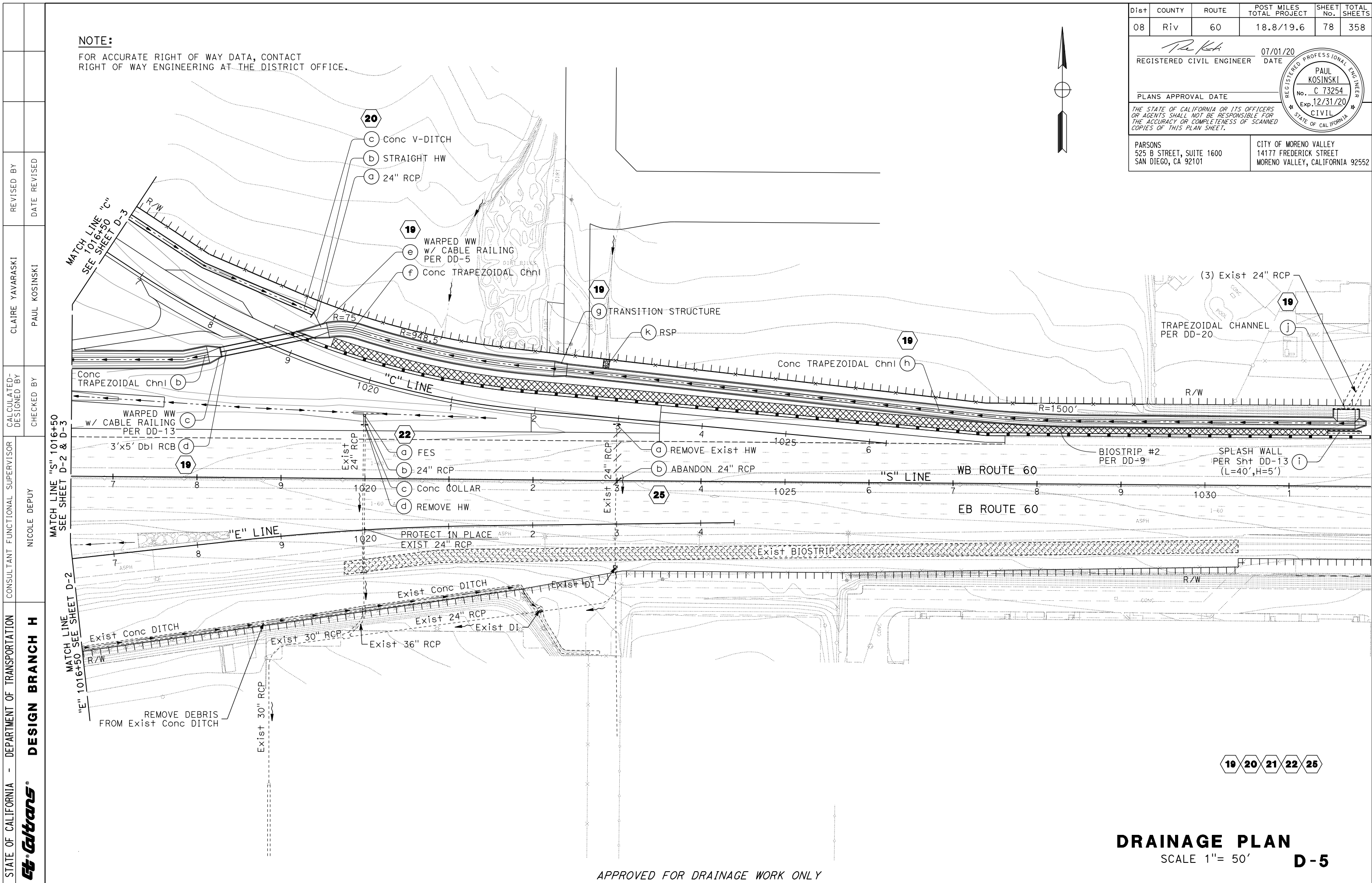
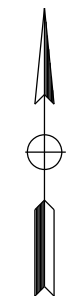
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



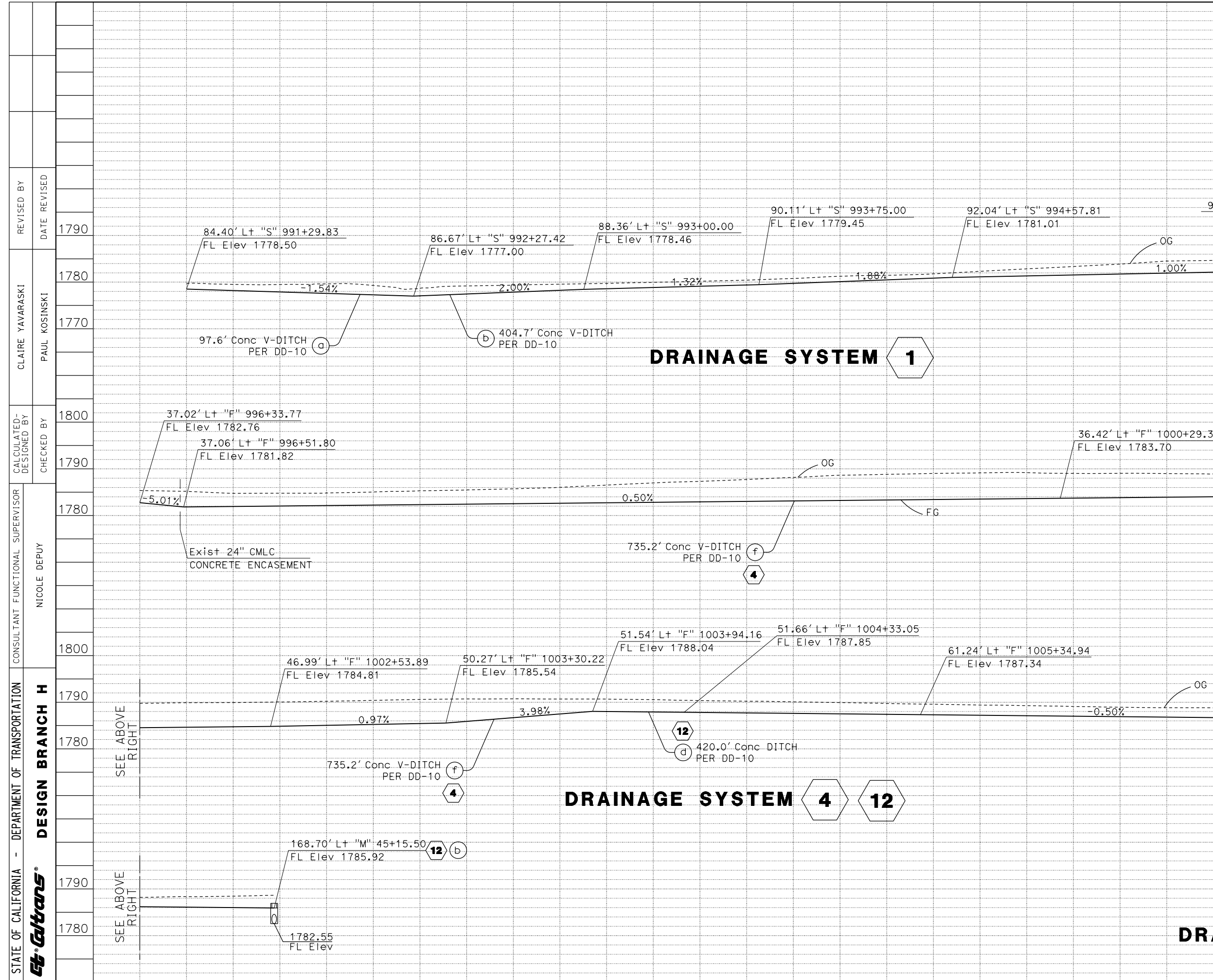
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED/DESIGNED BY	CHECKED BY	REVISOR	DATE
CLARE YAVARASKI	PAUL KOSINSKI						

19 20 21 22 25

DRAINAGE PLAN
SCALE 1" = 50'
D-5

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION DATE PLOTTED => 20-JUL-2020 00-00-00 TIME PLOTTED => 10:30

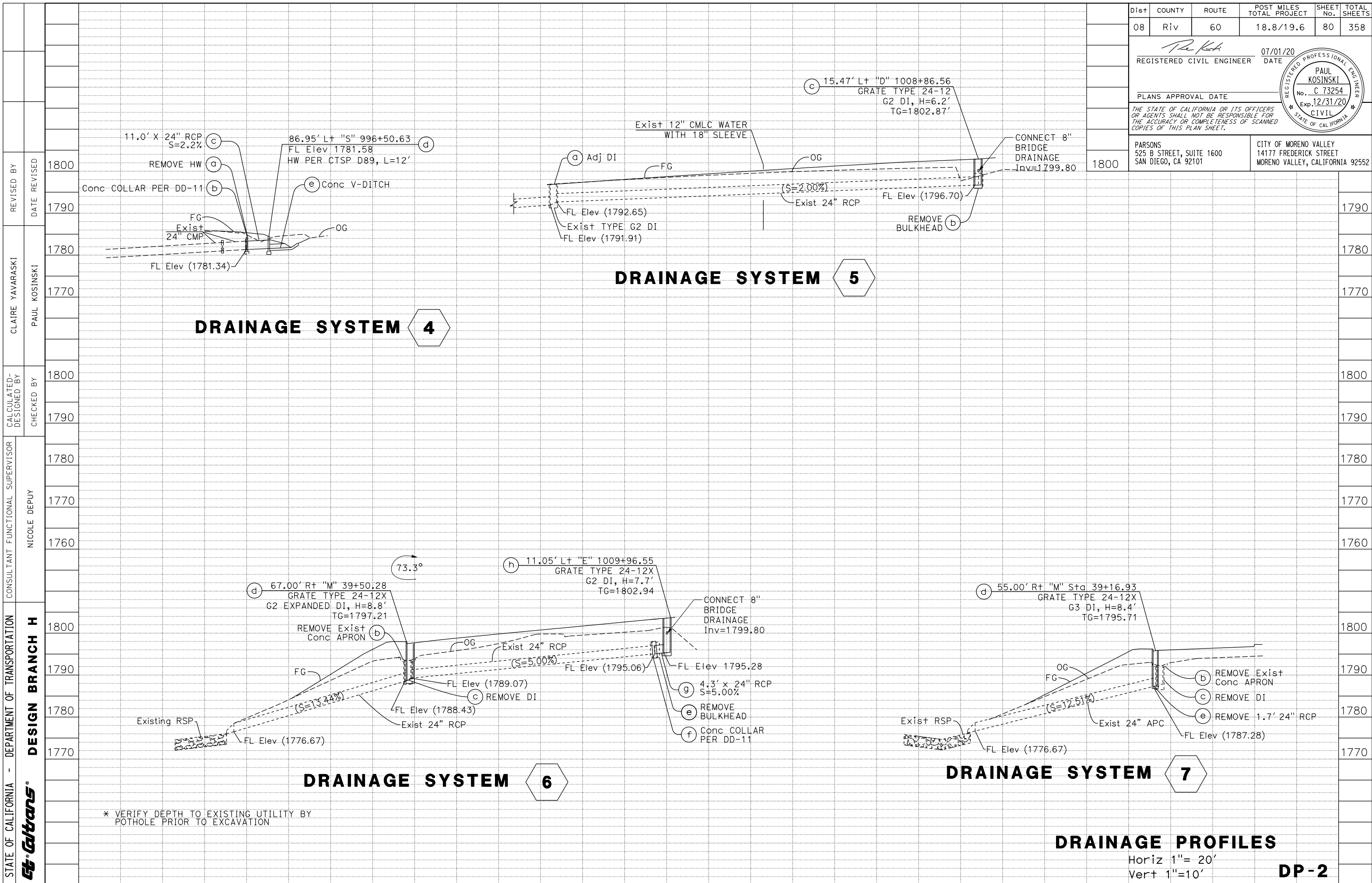


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	79	358
REGISTERED CIVIL ENGINEER			DATE 07/01/20		
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1790
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1780
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1770
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1800
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1790
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1780
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1800
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1790
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1780
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1790
STATE OF CALIFORNIA	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CHECKED BY	PAUL KOSINSKI	REVISOR	CLAIRE YAVARASKI	DATE REVISION	1780

DRAINAGE PROFILES
 Horiz 1"= 20'
 Vert 1"=10'
DP-1

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:30



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	80	358
REGISTERED CIVIL ENGINEER PAUL KOSINSKI No. C 73254 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA			07/01/20 DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

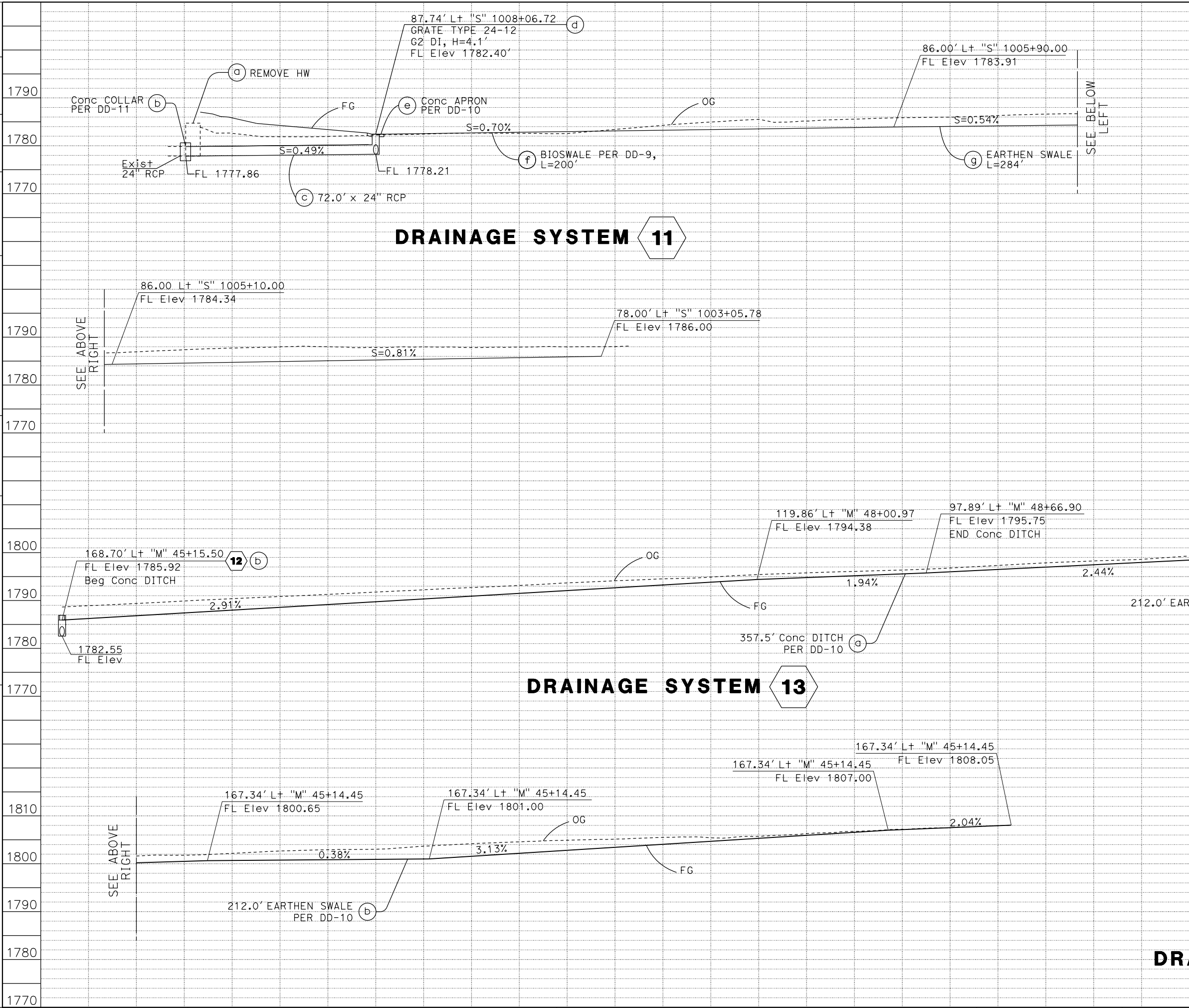
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE
CLARE YAVARASKI	PAUL KOSINSKI	NICOLE DEPUY	1800	1800	1800
CALCULATED/DESIGNED BY	CHECKED BY	1800	1790	1780	1770

* VERIFY DEPTH TO EXISTING UTILITY BY POT HOLE PRIOR TO EXCAVATION

DRAINAGE PROFILES
 Horiz 1" = 20'
 Vert 1" = 10'
DP-2

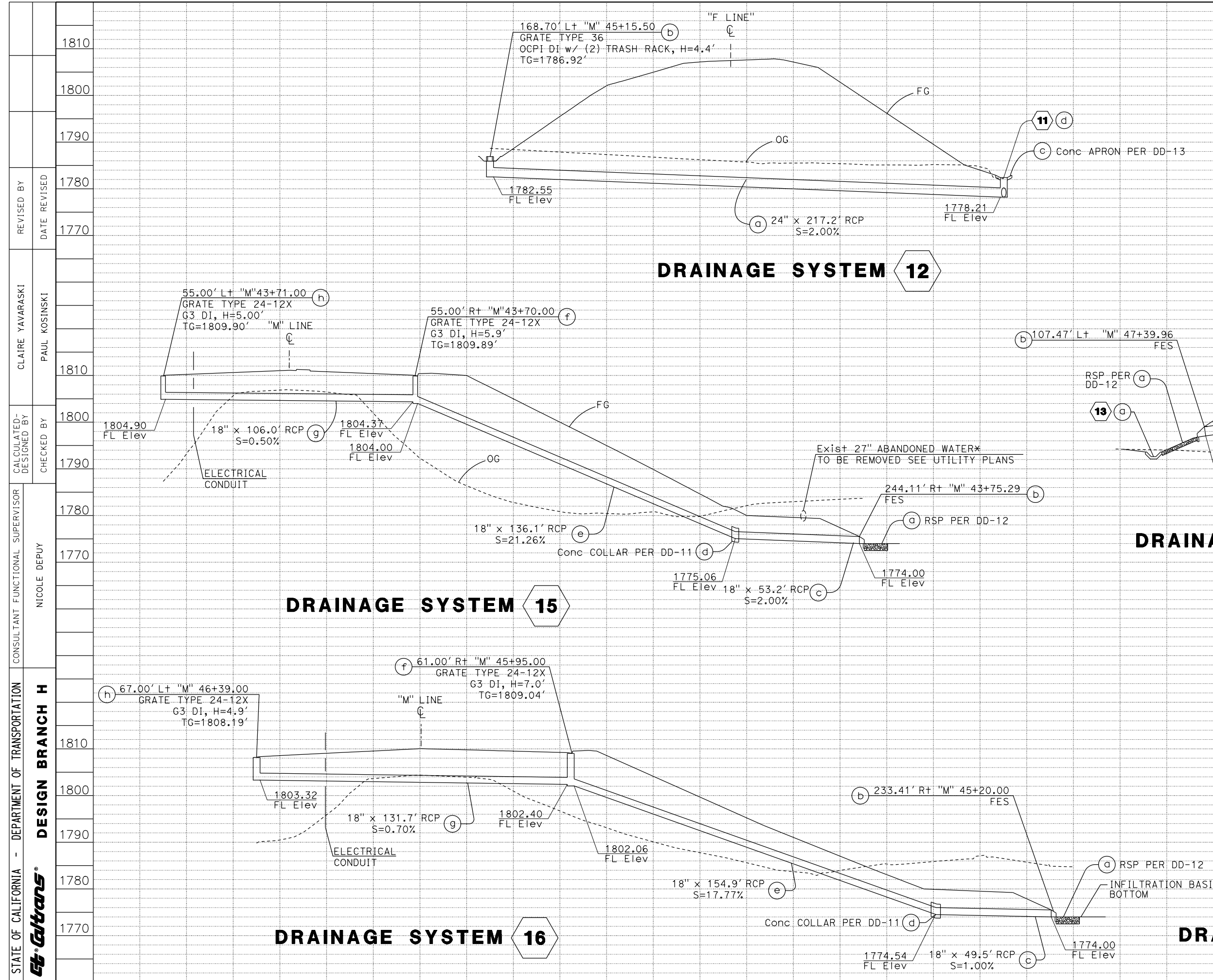
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 00-00-00 TIME PLOTTED => 10:30


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

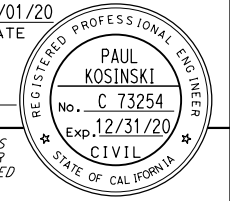


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	81	358
REGISTERED CIVIL ENGINEER			DATE	07/01/20	
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

DRAINAGE PROFILES
 Horiz 1"= 20'
 Vert 1"=10'
DP-3


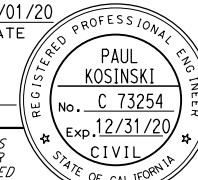


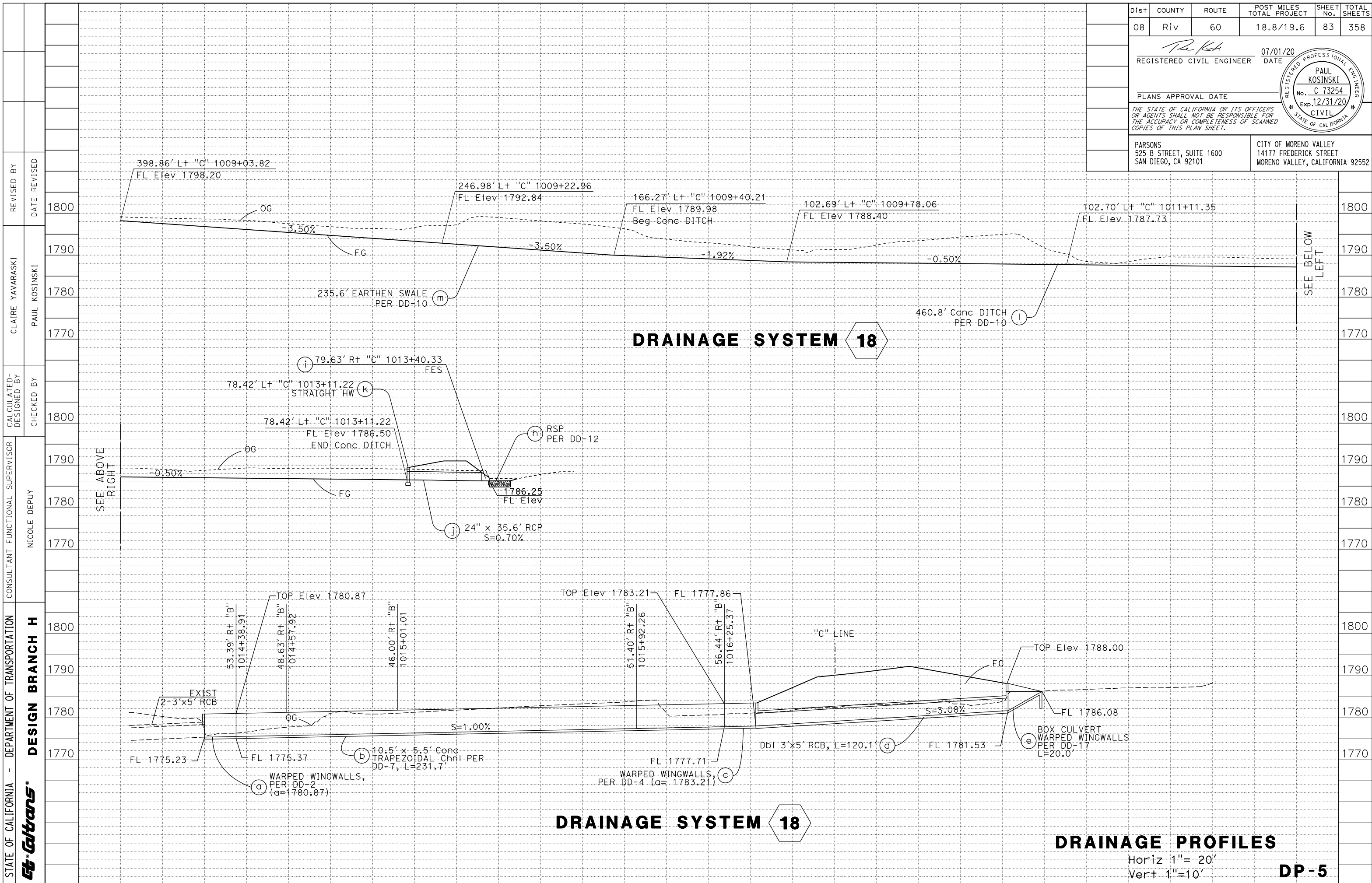
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	82	358
 REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



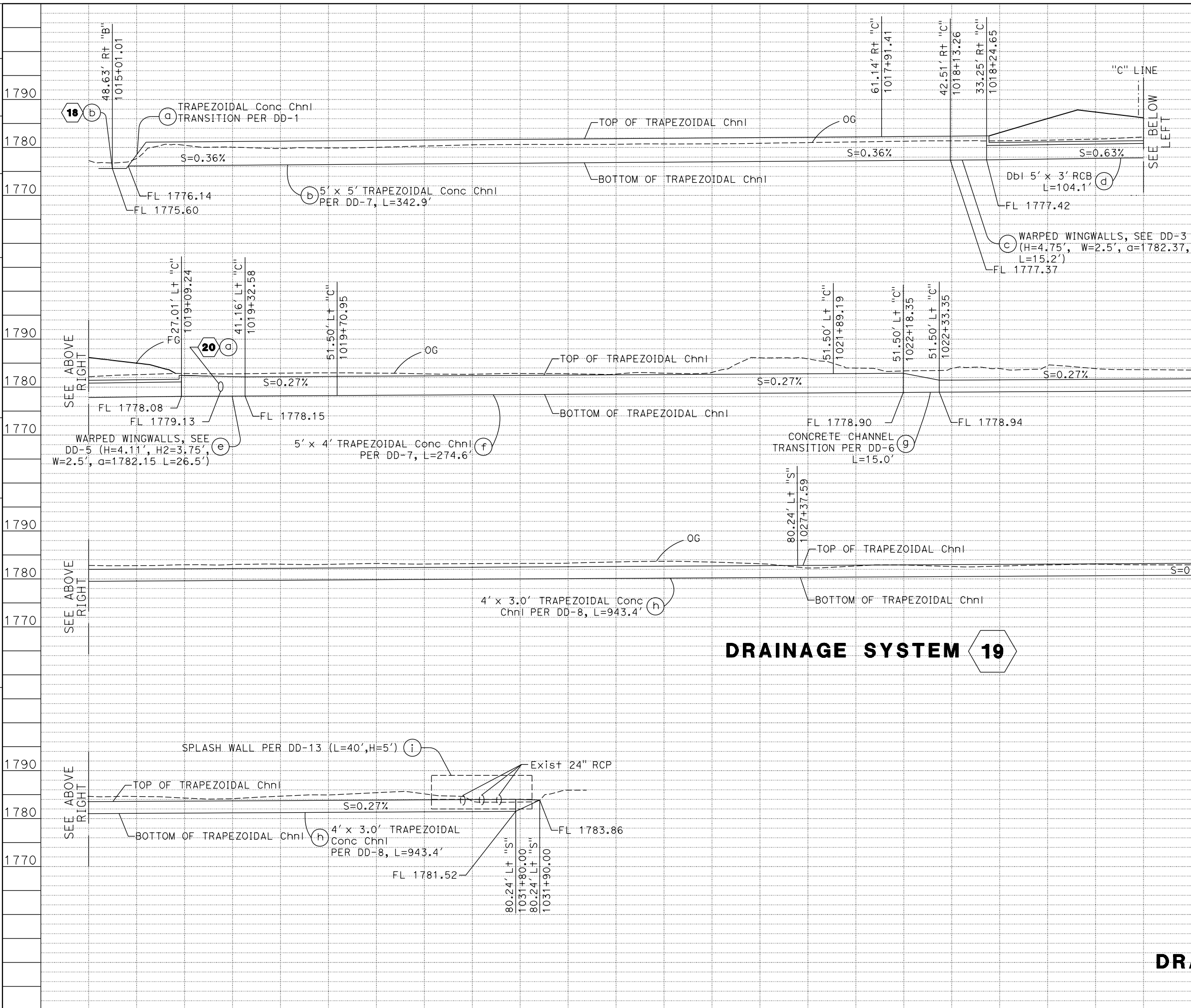
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT SUPERVISOR	FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	REVISIONS
		NICOLE DEPUY	NICOLE DEPUY	PAUL KOSINSKI	CLAIRE YAVARASKI	DATE REVISED
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CHECKED BY	DESIGNED BY	REVISIONS	DATE REVISED	REVISIONS
		PAUL KOSINSKI	CLAIRE YAVARASKI	DATE REVISED	DATE REVISED	DATE REVISED

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	83	358
 REGISTERED CIVIL ENGINEER DATE 07/01/20					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



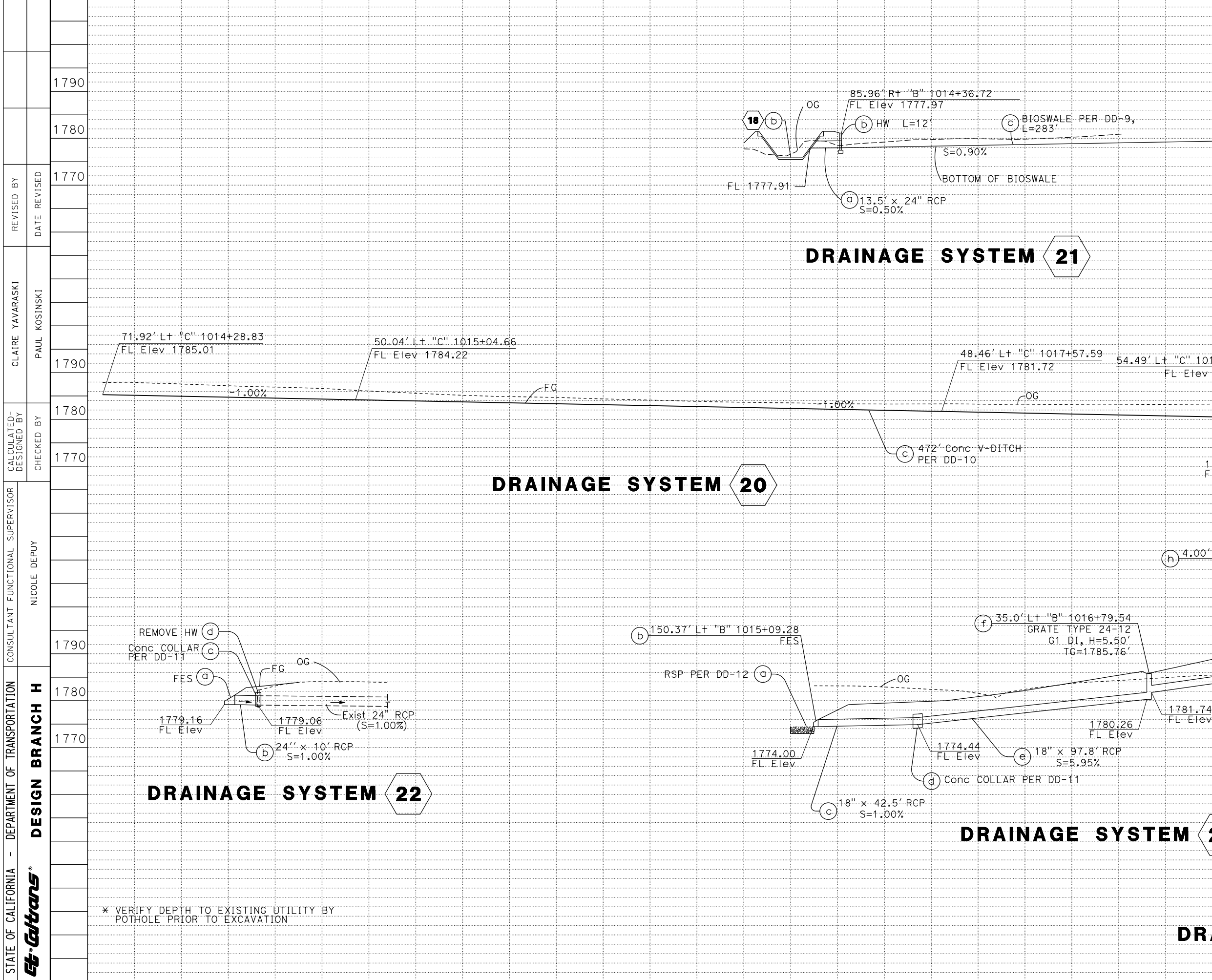
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	84	358
REGISTERED CIVIL ENGINEER			DATE 07/01/20		
PAUL KOSINSKI			No. C 73254		
PLANS APPROVAL DATE			Exp. 12/31/20		
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

1790	1790	1790	1790	1790	1790
1780	1780	1780	1780	1780	1780
1770	1770	1770	1770	1770	1770
1790	1790	1790	1790	1790	1790
1780	1780	1780	1780	1780	1780
1770	1770	1770	1770	1770	1770
1790	1790	1790	1790	1790	1790
1780	1780	1780	1780	1780	1780
1770	1770	1770	1770	1770	1770

DRAINAGE PROFILES
 Horiz 1"= 20'
 Vert 1"= 10'
DP-6



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	85	358
REGISTERED CIVIL ENGINEER			DATE 07/01/20		
PLANS APPROVAL DATE			PAUL KOSINSKI No. C 73254 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA		
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

REVISOR	DATE	REVISION
1790		
1780		
1770		

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

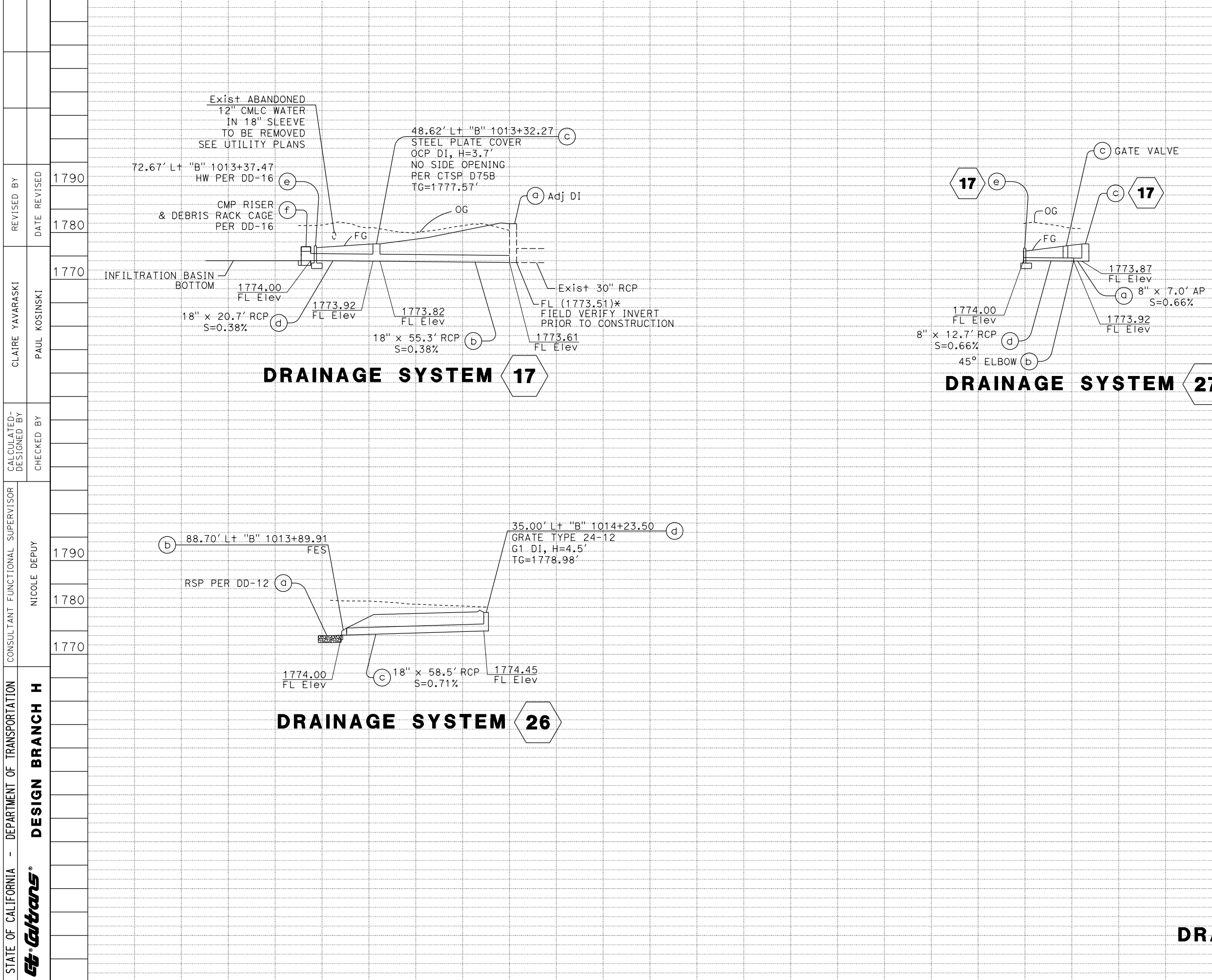
DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI

* VERIFY DEPTH TO EXISTING UTILITY BY POTHOLE PRIOR TO EXCAVATION

DRAINAGE PROFILES
 Horiz 1" = 20'
 Vert 1" = 10'
DP-7

DATE PLOTTED => 20-JUL-2020
 TIME PLOTTED => 10:31


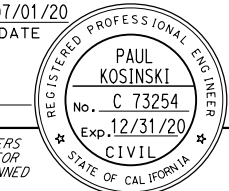


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	86	358
REGISTERED CIVIL ENGINEER			DATE	07/01/20	
PLANS APPROVAL DATE			PAUL KOSINSKI No. C 73254 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA		
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

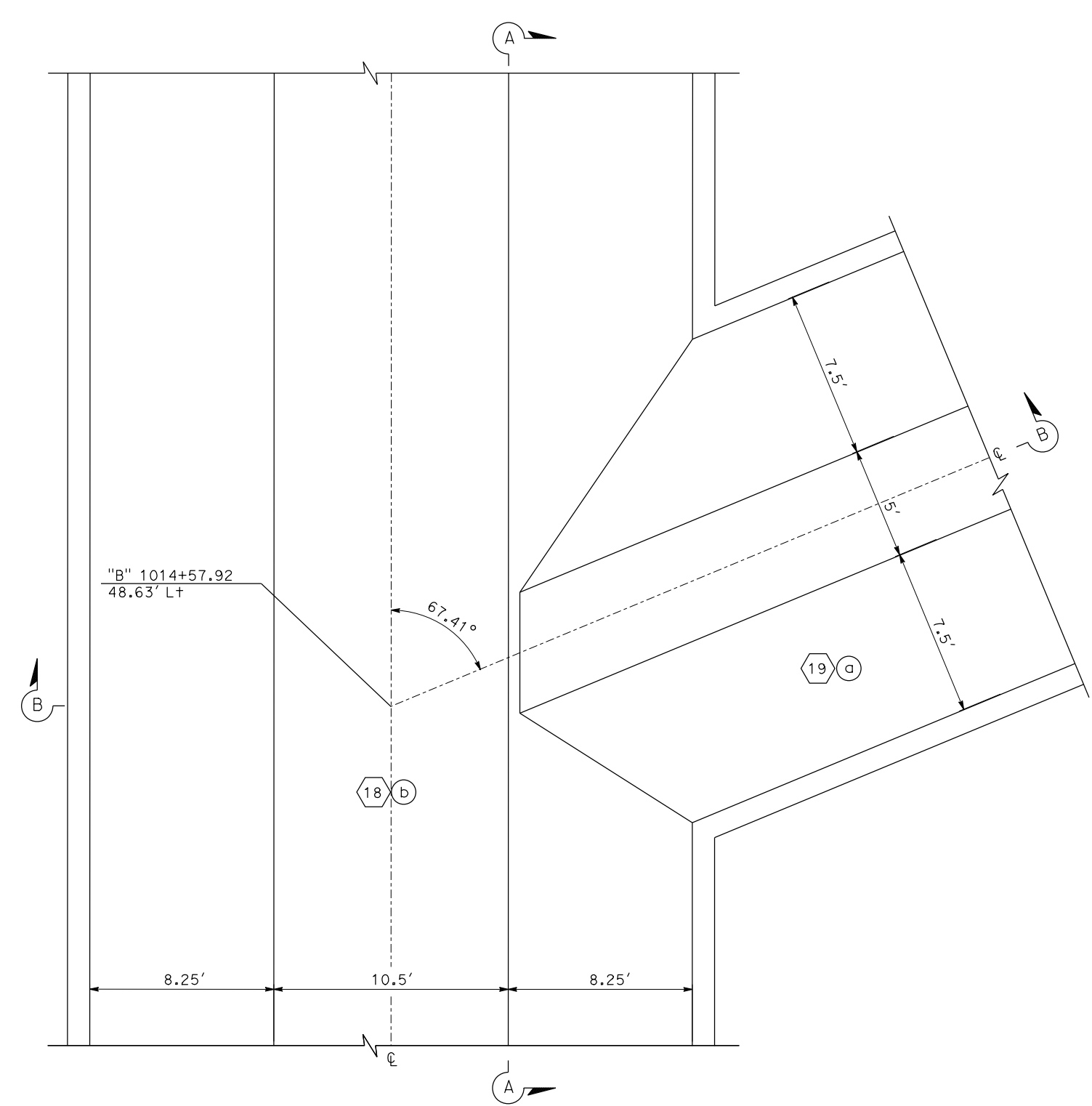
REVISOR	DATE	REVISION
CLAIRE YAVARASKI	1790	
PAUL KOSINSKI	1780	
NICOLE DEPUY	1770	

DRAINAGE PROFILES
 Horiz 1"= 20'
 Vert 1"=10'
DP-8

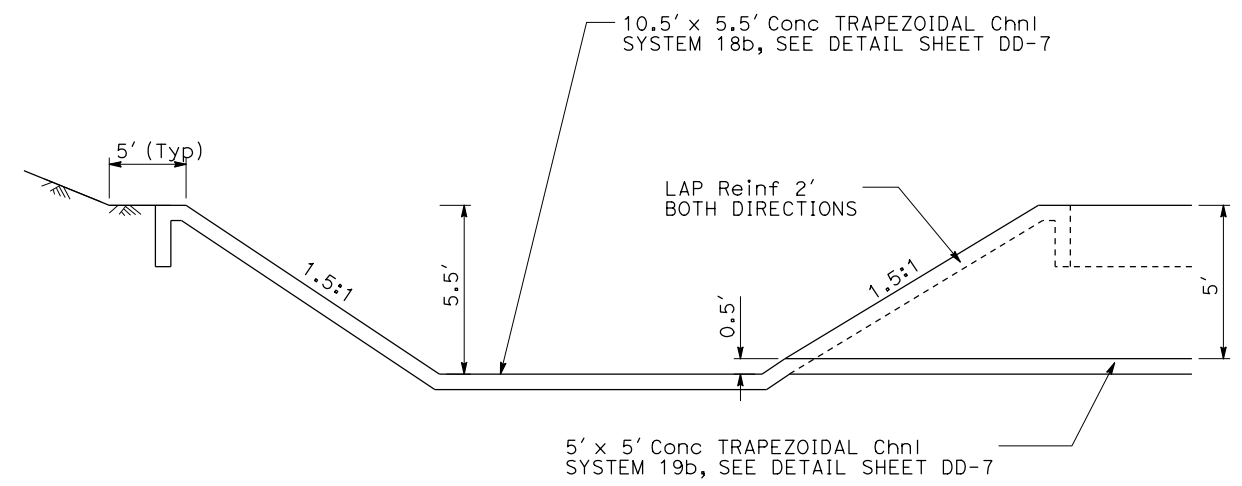
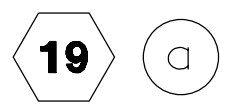
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 00-00-00 TIME PLOTTED => 10:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	87	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

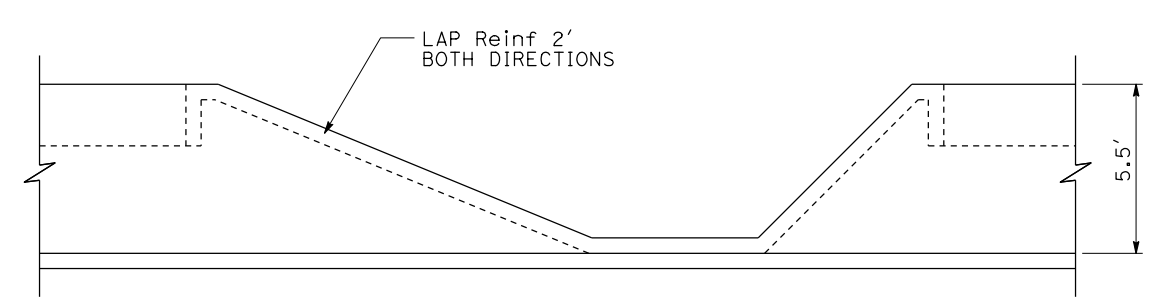
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	REVISOR	DATE
Caltrans		NICOLE DEPUY	PAUL KOSINSKI	CLAIRE YAVARASKI		



TRANSITION STRUCTURE PLAN




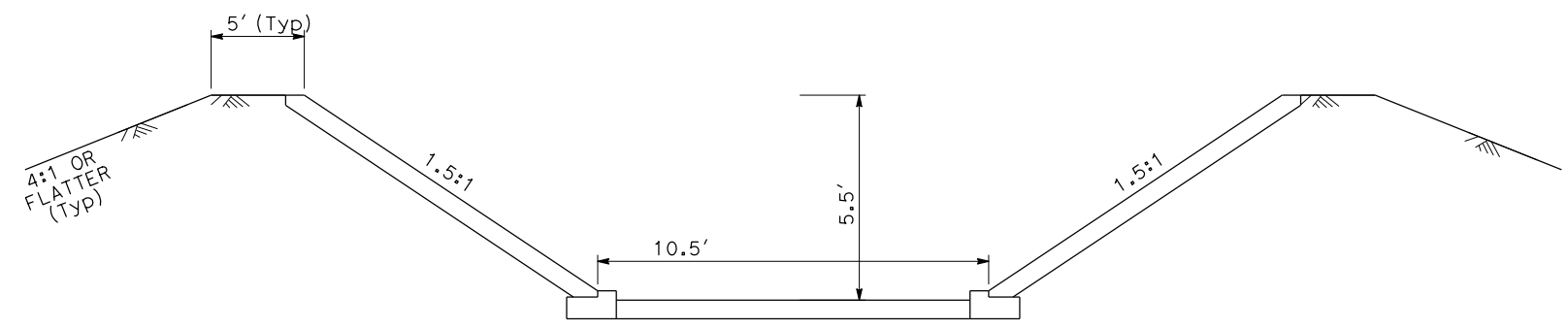
SECTION B-B



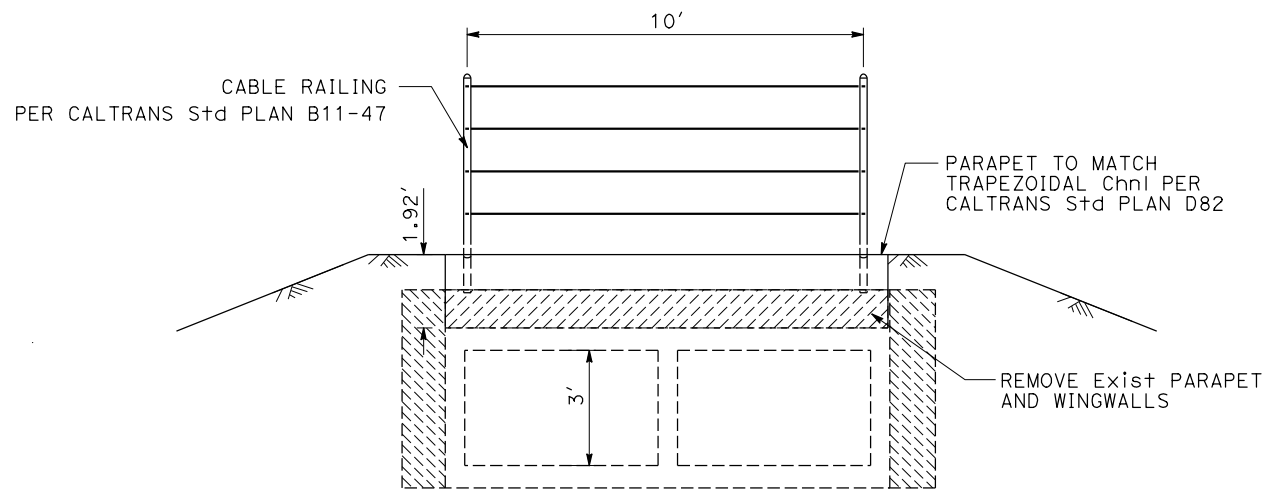
SECTION A-A

DRAINAGE DETAILS
NO SCALE
DD-1

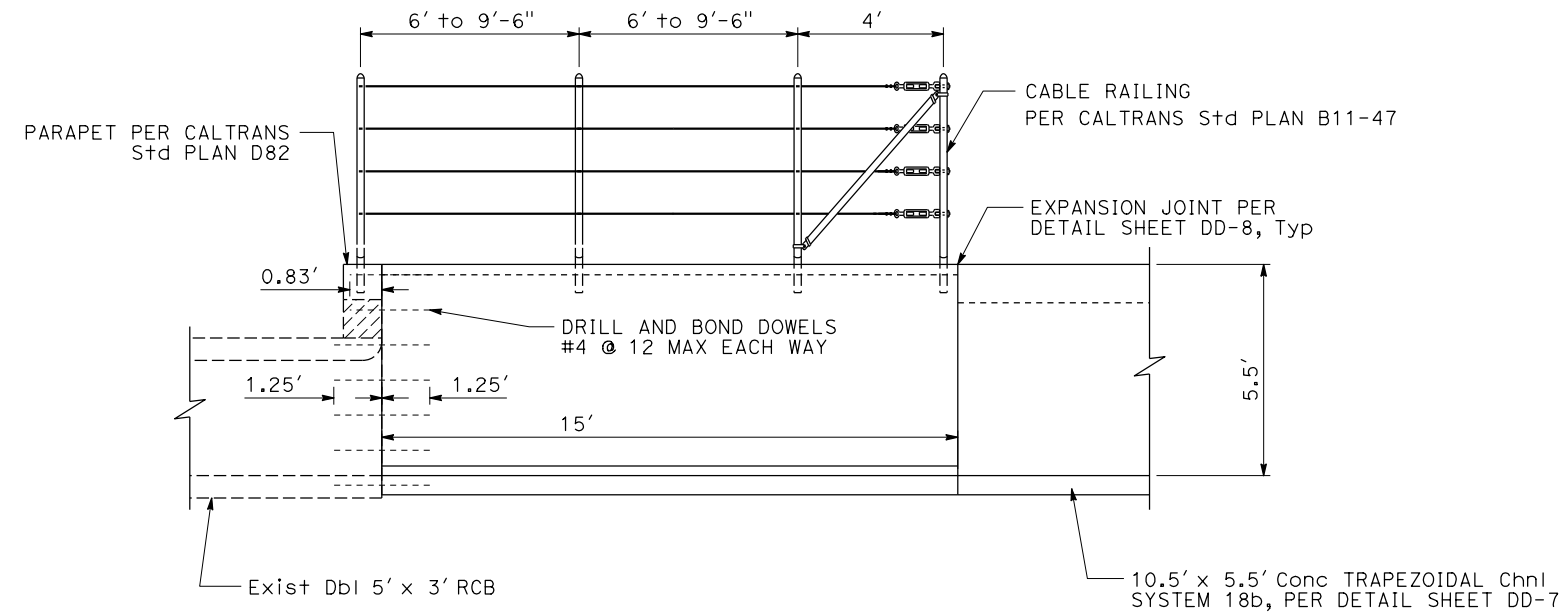
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	88	358
 REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



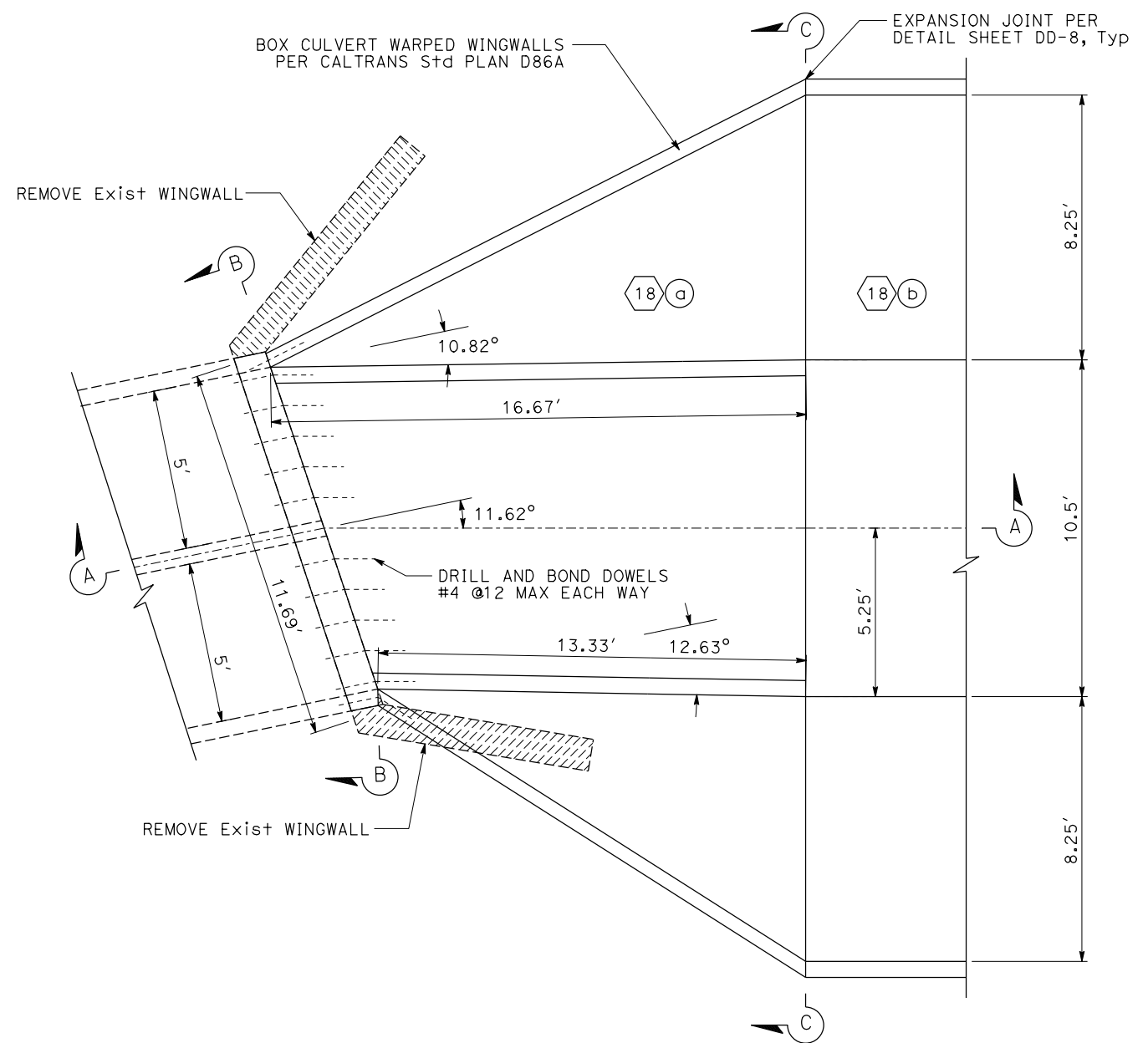
SECTION C-C



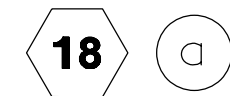
SECTION B-B



SECTION A-A



WARPED WING WALL



DRAINAGE DETAILS

NO SCALE

DD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: PAUL KOSINSKI
 CHECKED BY: PAUL KOSINSKI
 REVISOR: CLAUDE YAVARASKI
 DATE: PAUL KOSINSKI

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	89	358

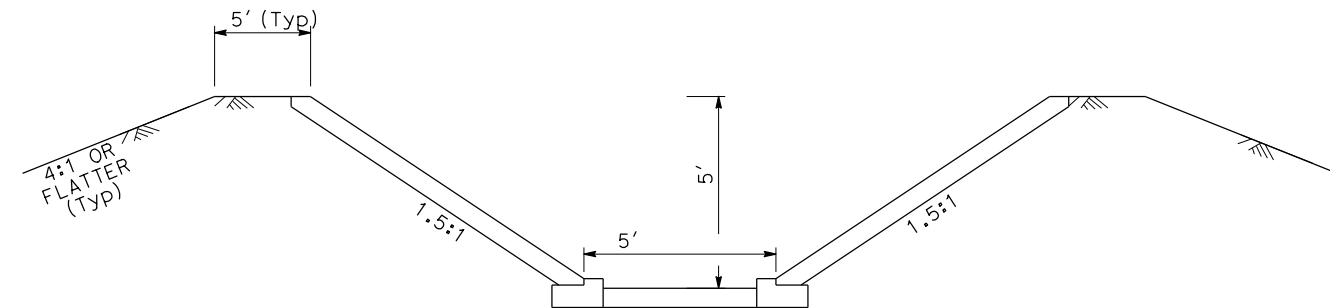
07/01/20
 REGISTERED CIVIL ENGINEER DATE
 REGISTERED PROFESSIONAL ENGINEER
PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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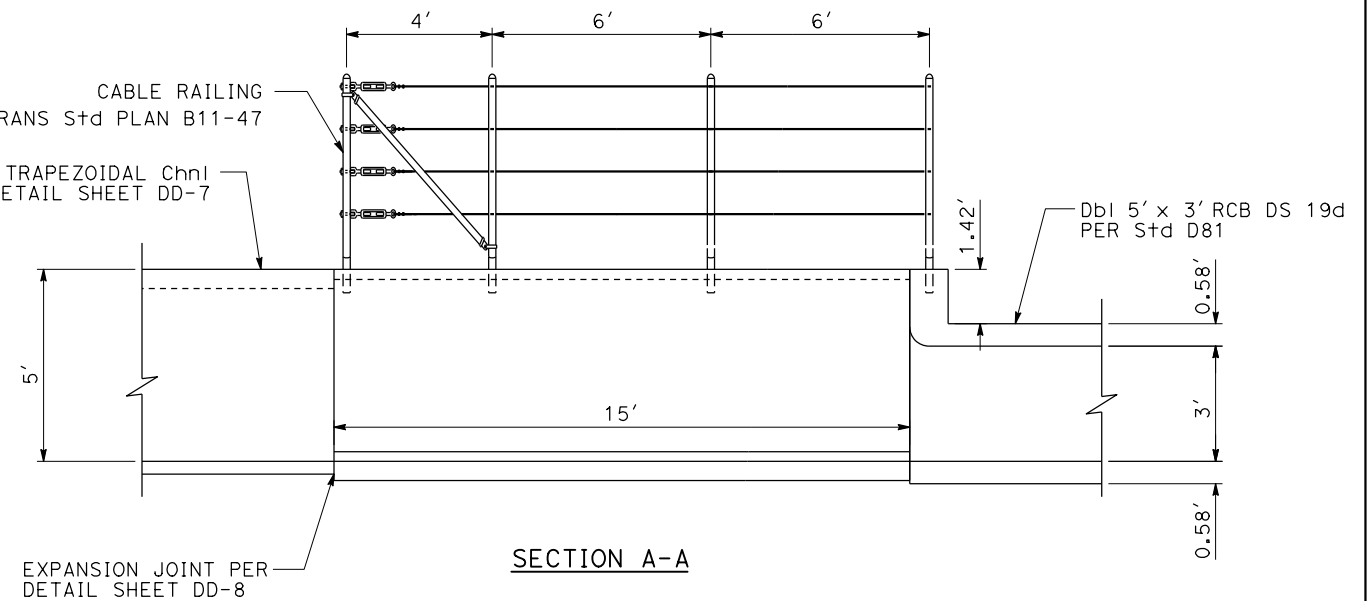
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

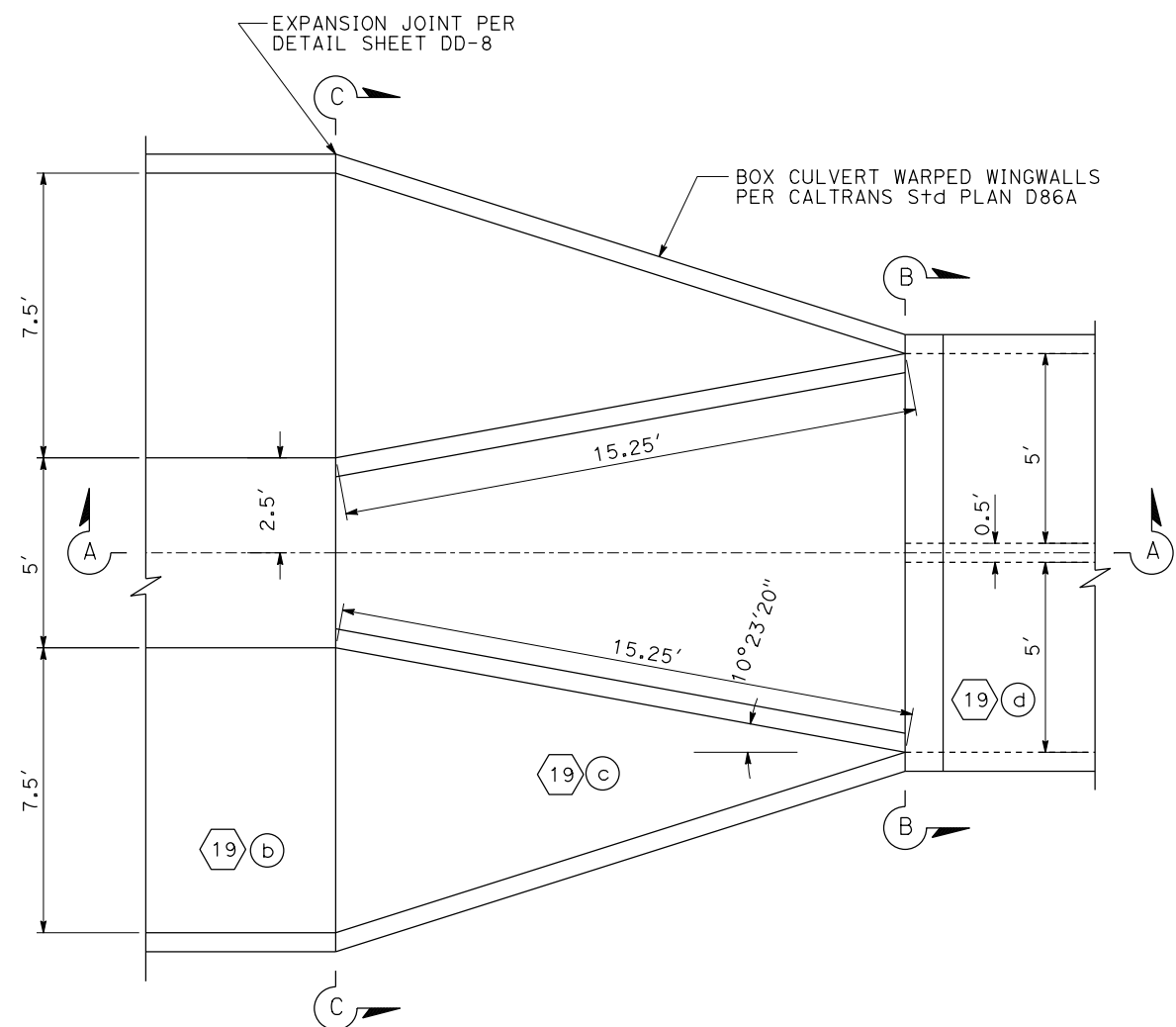


SECTION C-C

CABLE RAILING
 PER CALTRANS Std PLAN B11-47
 5' x 5' Conc TRAPEZOIDAL Chnl
 DS 19b, PER DETAIL SHEET DD-7



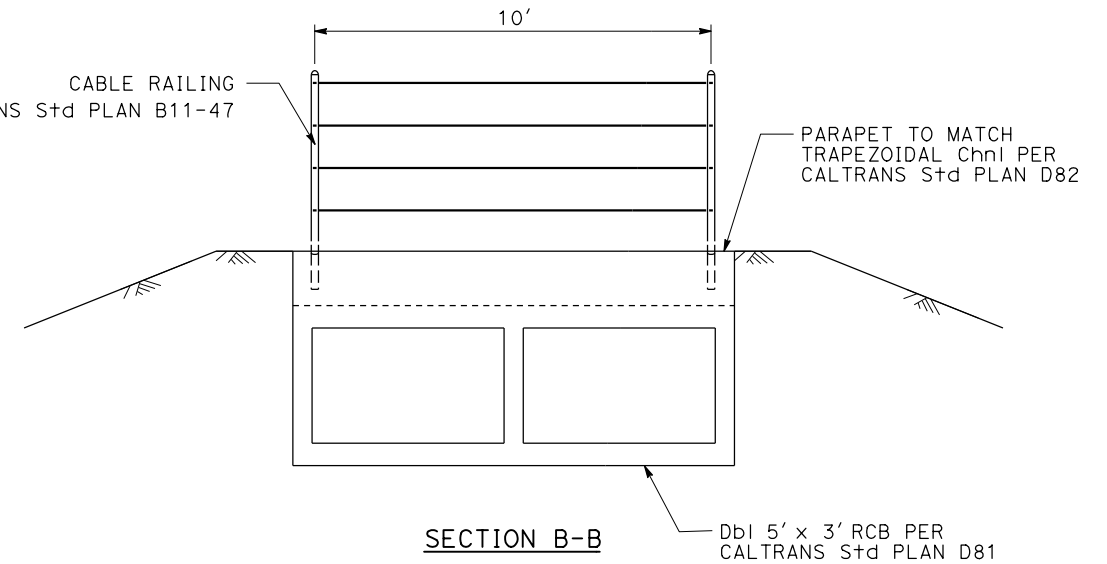
SECTION A-A



WARPED WING WALL



CABLE RAILING
 PER CALTRANS Std PLAN B11-47



SECTION B-B

PARAPET TO MATCH
 TRAPEZOIDAL Chnl PER
 CALTRANS Std PLAN D82

DRAINAGE DETAILS

NO SCALE

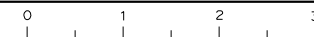
DD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	REVISOR	DATE
Caltrans				CLAIRE YAVARASKI	PAUL KOSINSKI		

BORDER LAST REVISED 7/2/2010

USERNAME => p003256D
 DGN FILE => 08120000591c003.dgn

RELATIVE BORDER SCALE 15 IN INCHES



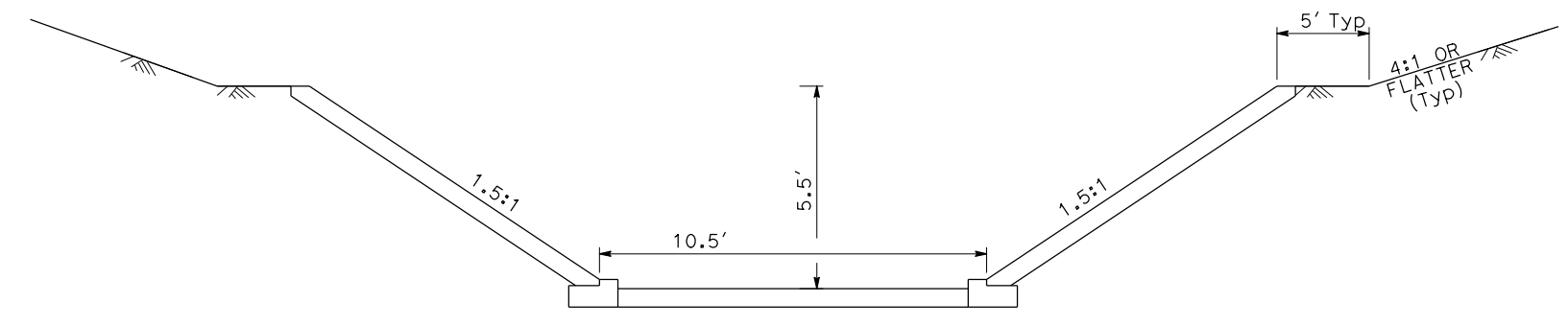
UNIT 2232

PROJECT NUMBER & PHASE

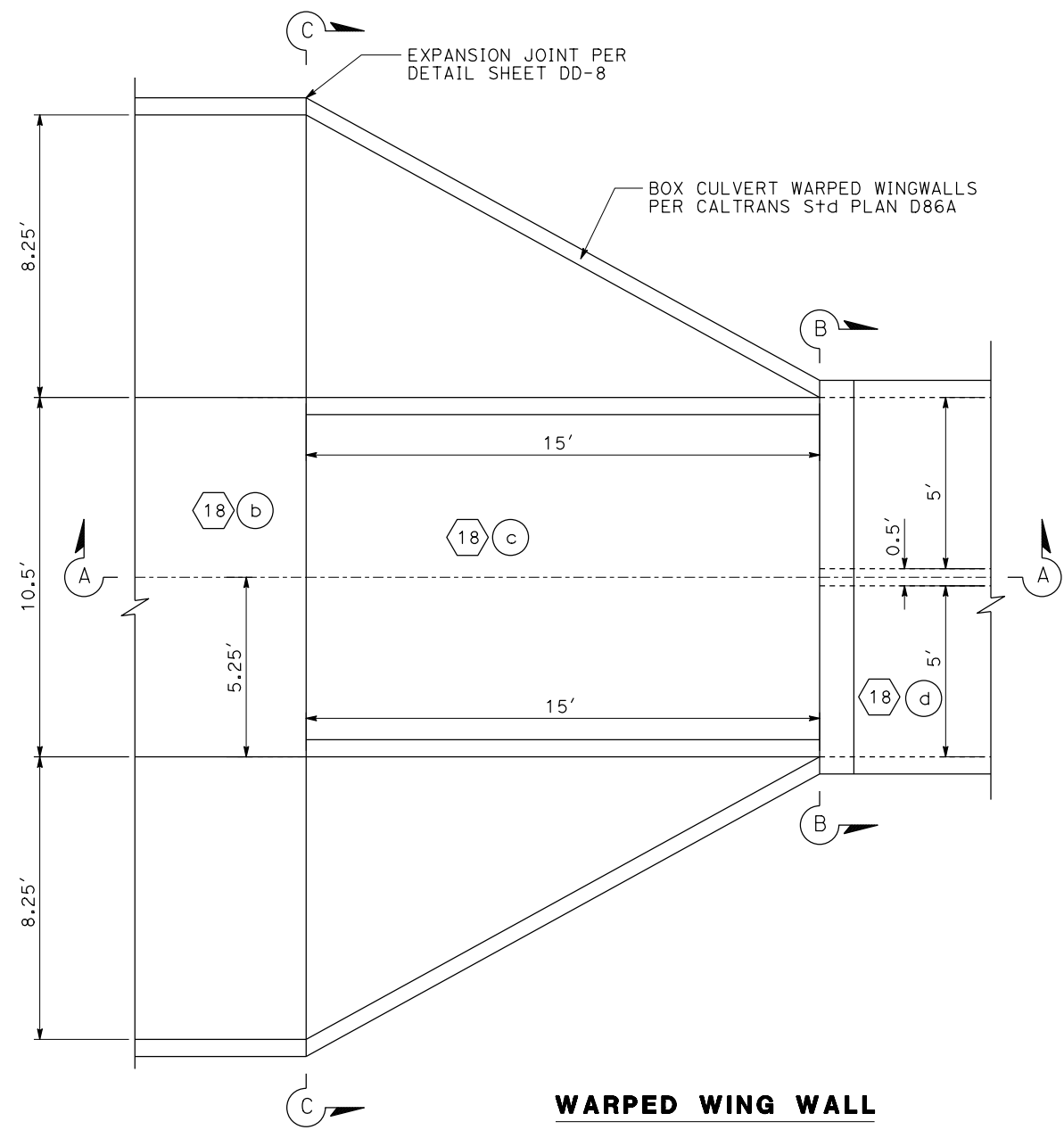
08120000591

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISIONS:
 REVISOR: CLAUDE YAVARASKI
 DATE: PAUL KOSINSKI
 DATE: PAUL KOSINSKI
 DATE: PAUL KOSINSKI
 DATE: PAUL KOSINSKI

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	90	358
REGISTERED CIVIL ENGINEER			DATE	07/01/20	
PLANS APPROVAL DATE			07/01/20		
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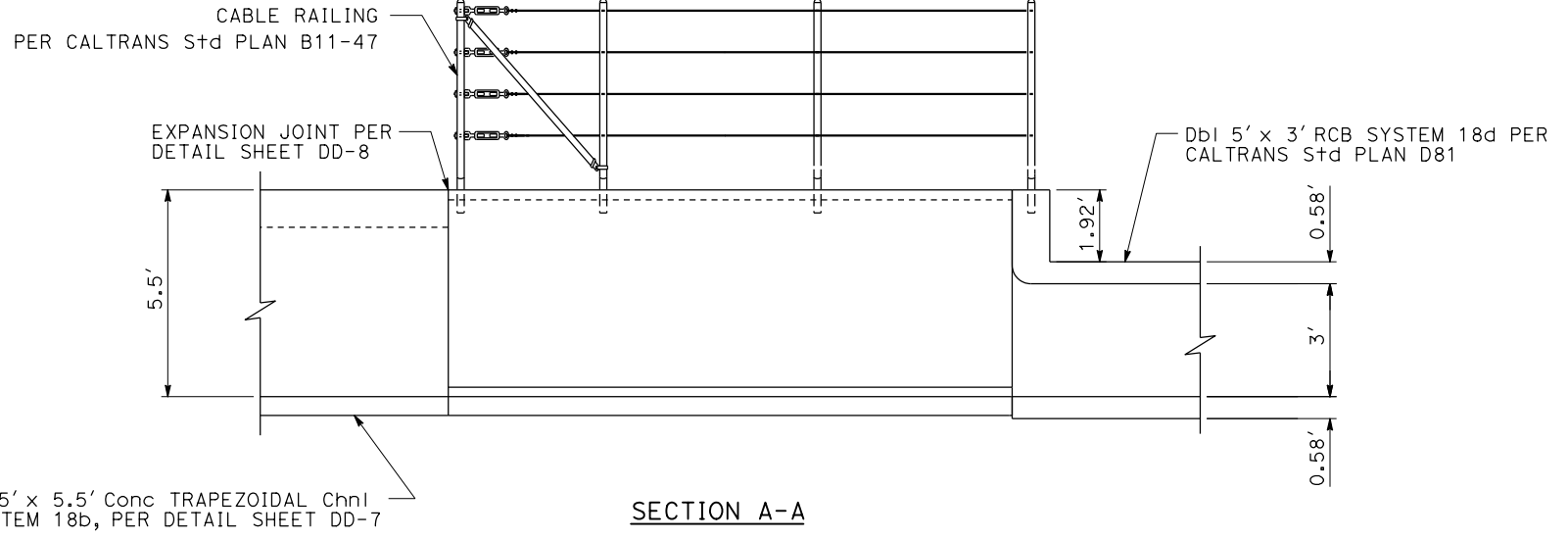


SECTION C-C

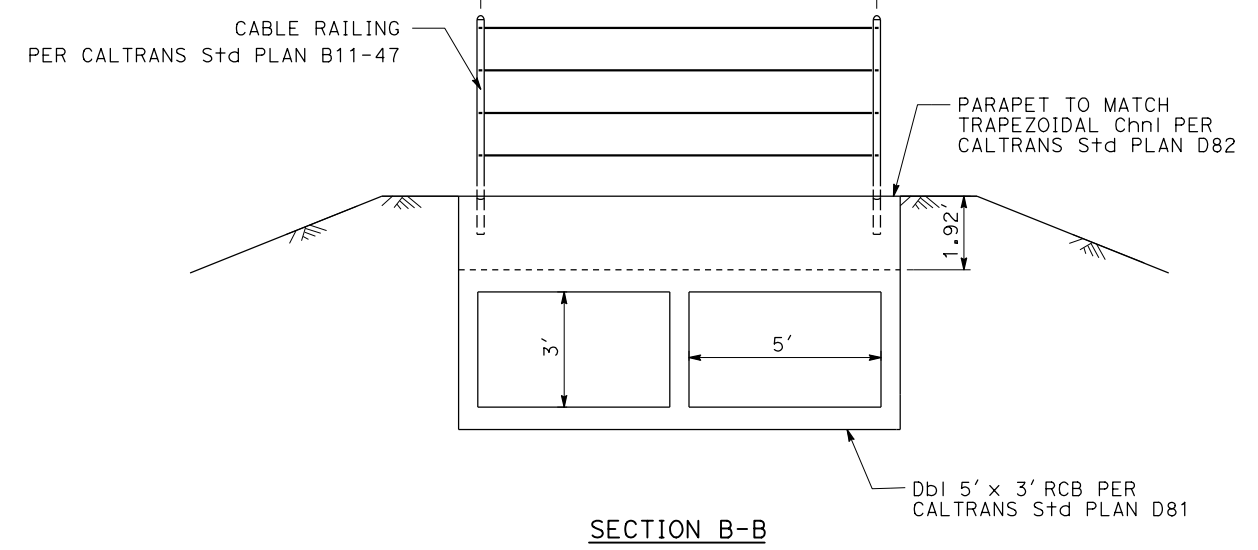


WARPED WING WALL

18 C



SECTION A-A




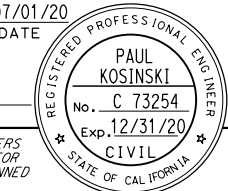
SECTION B-B

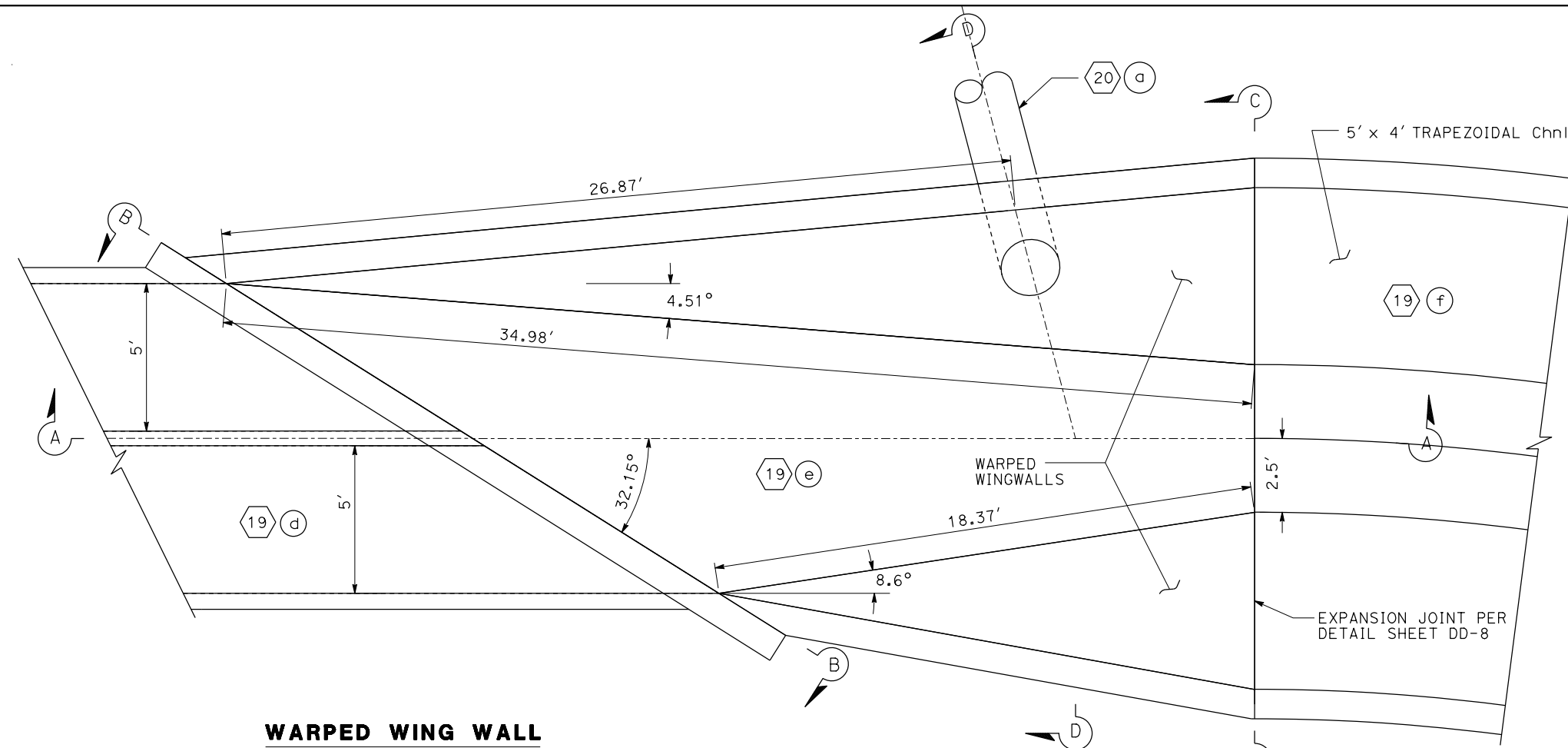
DRAINAGE DETAILS

NO SCALE

DD-4

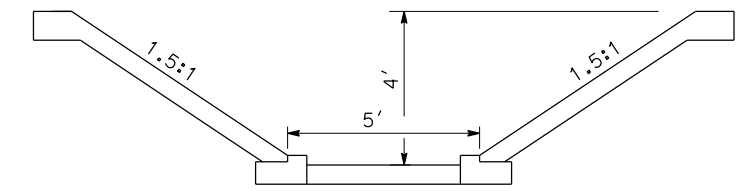
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	91	358
 REGISTERED CIVIL ENGINEER DATE 07/01/20					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

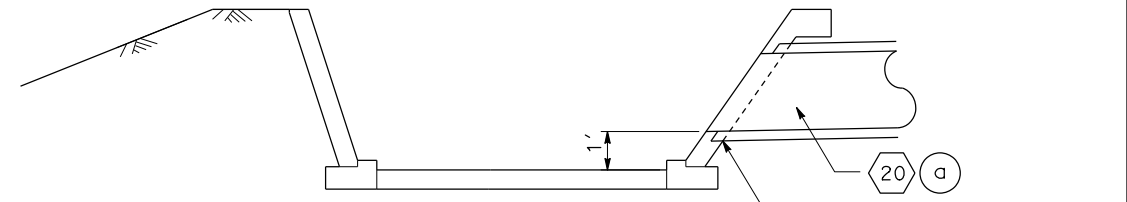


WARPED WING WALL

19 e

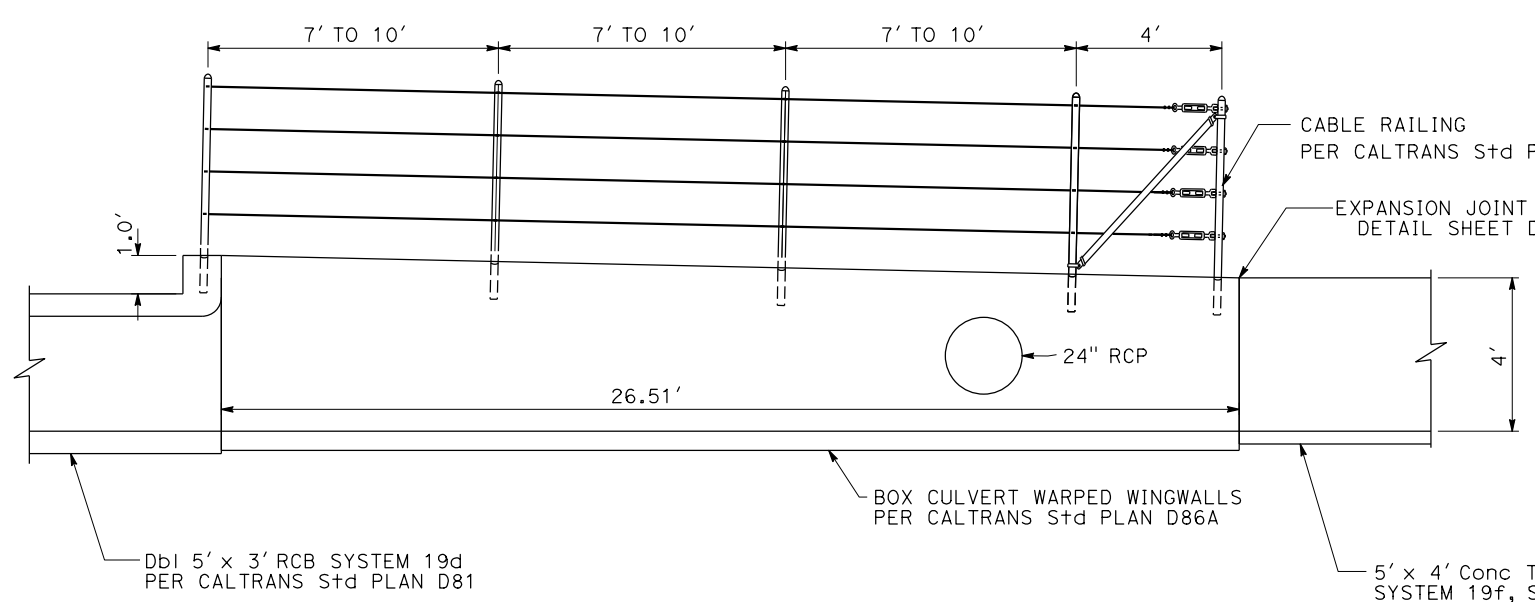


SECTION C-C

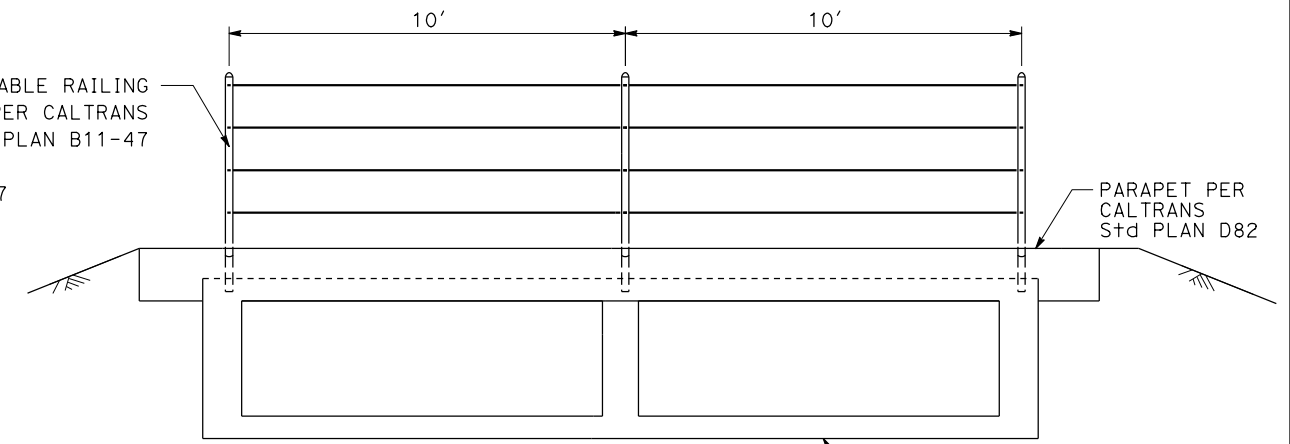


SECTION D-D

JUNCTION STRUCTURE No. 7
PER SHEET DD-14



SECTION A-A



SECTION B-B

DRAINAGE DETAILS
NO SCALE **DD-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 CLAUDE YAVARASKI PAUL KOSINSKI
 REVISED BY: DATE REVISED:

USERNAME => p003256D
 DGN FILE => 08120000591c005.dgn

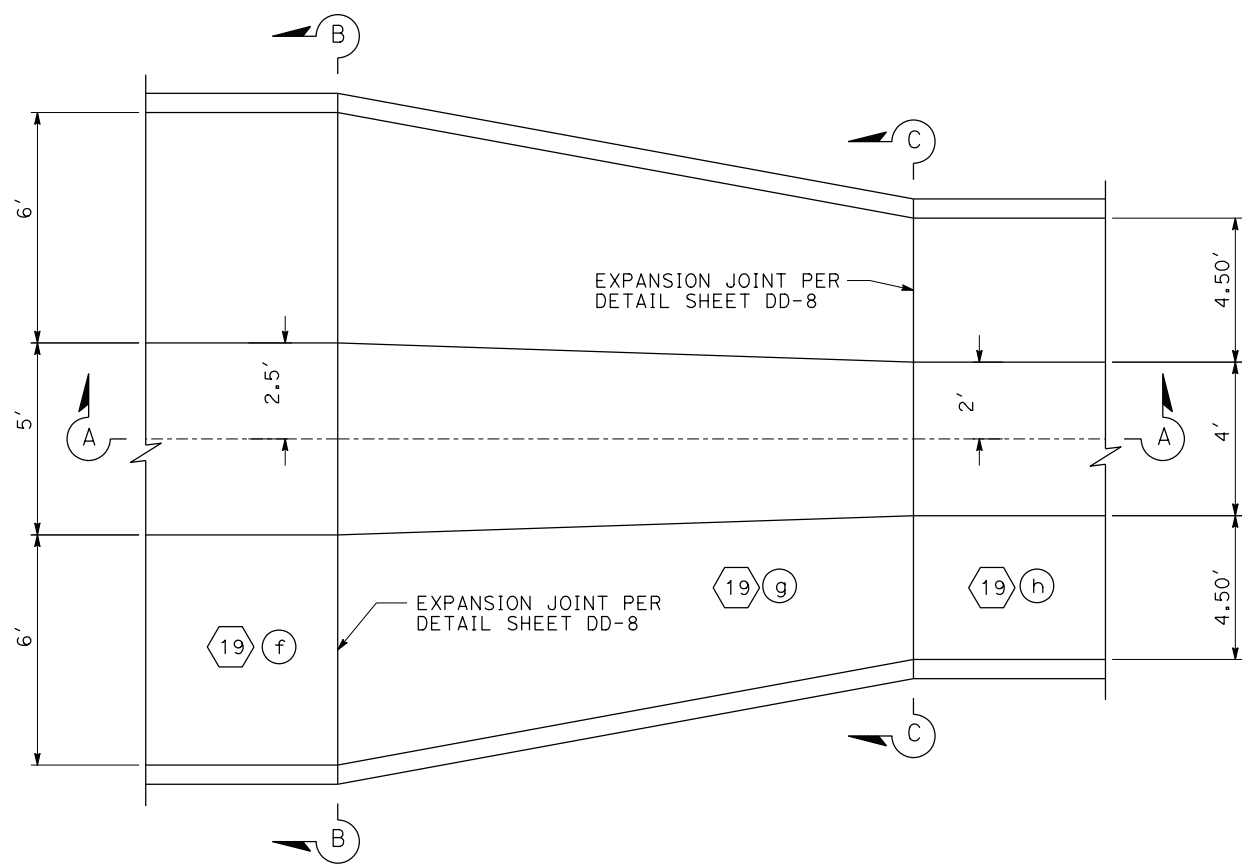
RELATIVE BORDER SCALE 15 IN INCHES
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UNIT 2232

PROJECT NUMBER & PHASE 08120000591

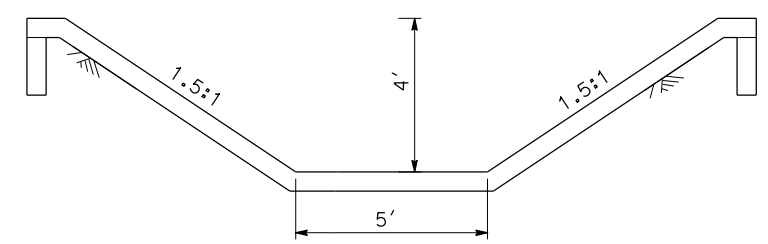
LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	92	358
			07/01/20	DATE	
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

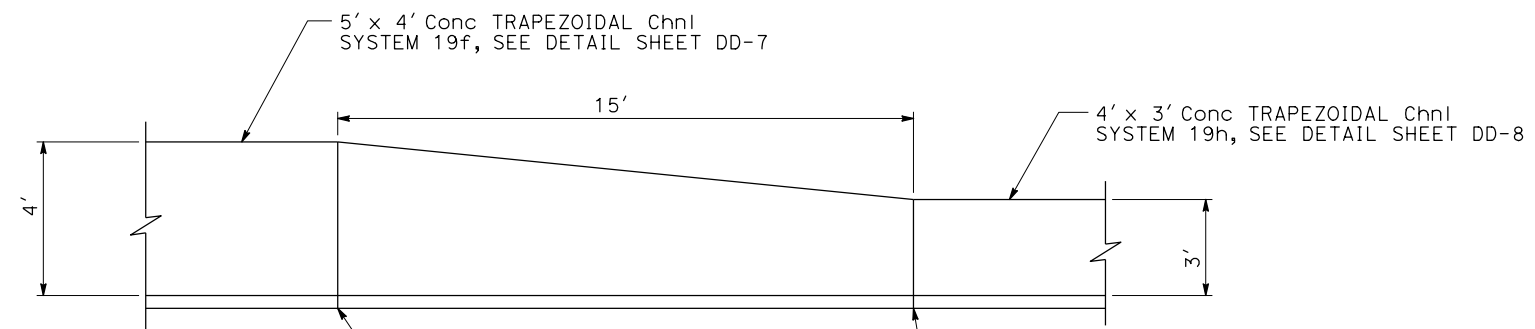


TRANSITION STRUCTURE

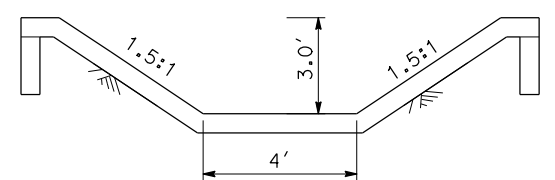
19 (g)



SECTION B-B



SECTION A-A




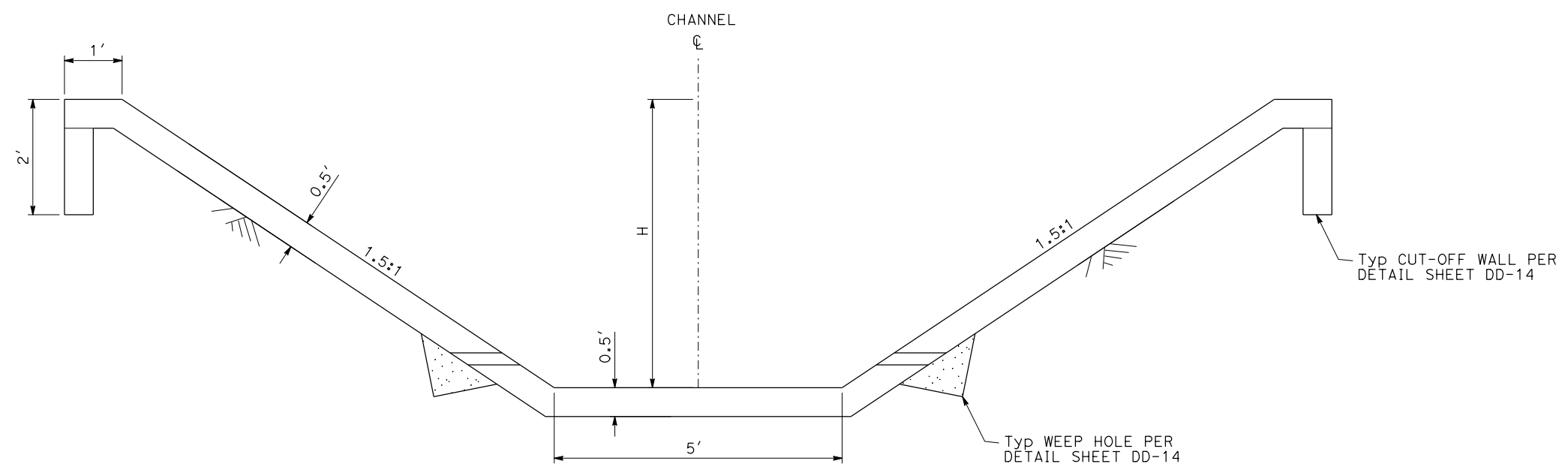
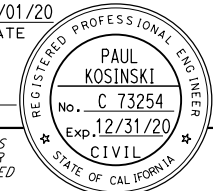
SECTION C-C

DRAINAGE DETAILS
NO SCALE
DD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans		NICOLE DEPUY	CLAIRE YAVARASKI	
			PAUL KOSINSKI	
		CHECKED BY	REVISOR	DATE

LAST REVISION DATE PLOTTED => 20-JUL-2020 00-00-00 TIME PLOTTED => 10:33

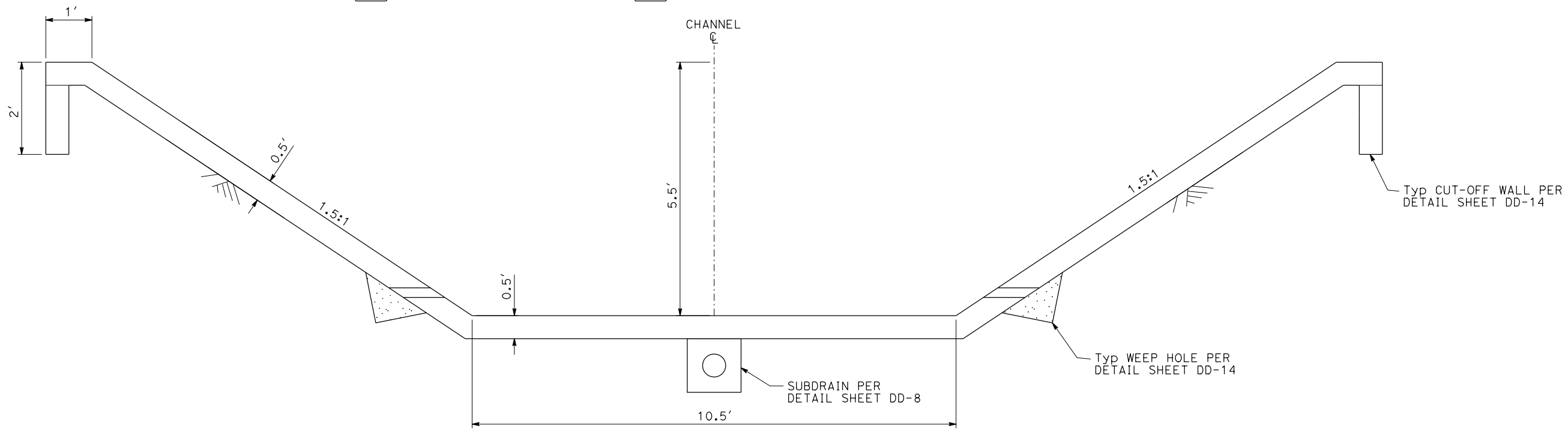
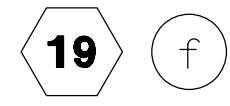
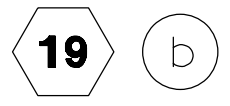
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	93	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



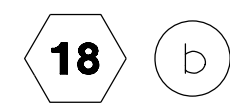
5' x H TRAPEZOIDAL CHANNEL

5' x 5' TRAPEZOIDAL CHANNEL
 "B" 1014+57.92, 48.63 Rt
 "C" 1018+13.25, 42.59 Rt

5' x 4' TRAPEZOIDAL CHANNEL
 "C" 1019+32.69, 41.15 Lt
 "C" 1022+18.46, 51.50 Lt


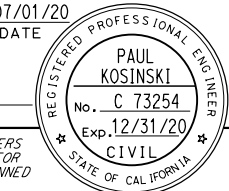


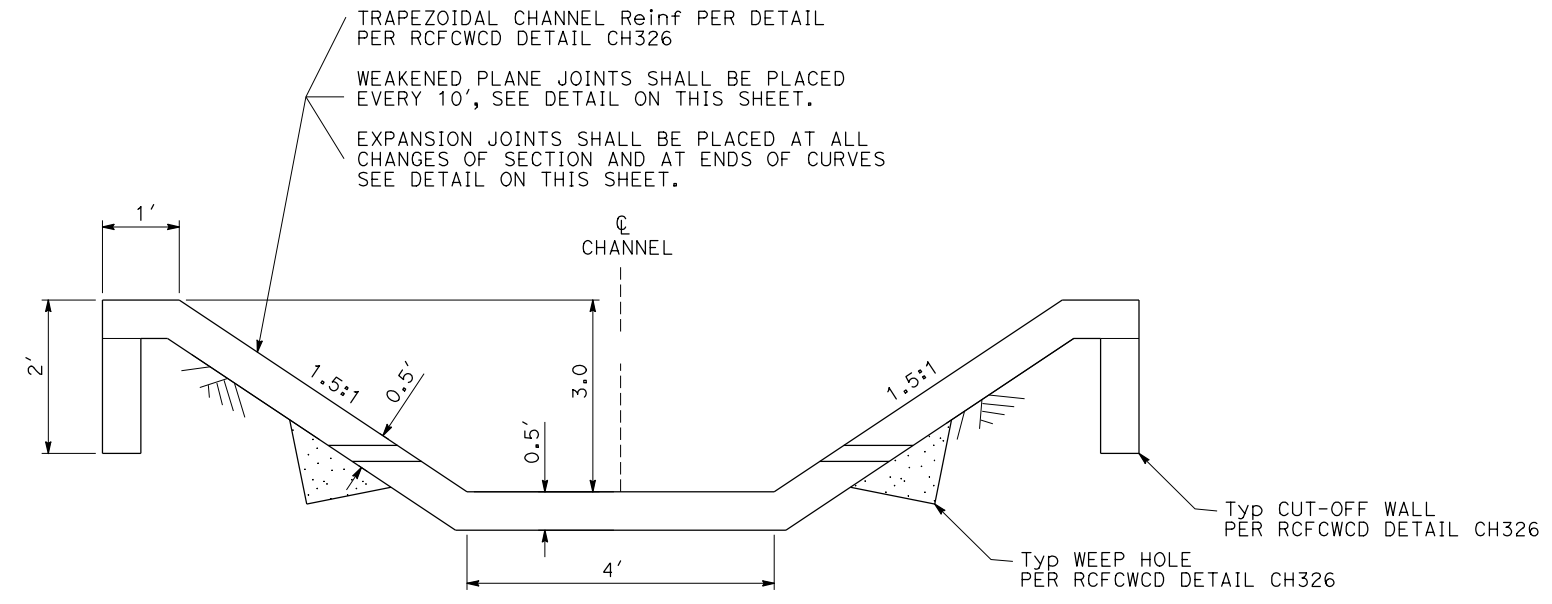
10.5' x 5.5' TRAPEZOIDAL CHANNEL



- NOTES:
- SEE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT (RCFC&WCD) STANDARD DRAWING CH326 FOR ADDITIONAL DETAILS. TRAPEZOIDAL CHANNEL Reinf PER DETAIL SHEET DD-14
 - WEAKENED PLANE JOINTS SHALL BE PLACED EVERY 10', SEE DETAIL SHEET DD-8
 - EXPANSION JOINTS SHALL BE PLACED AT ALL CHANGES OF SECTION AND AT ENDS OF CURVES, SEE DETAIL SHEET DD-8

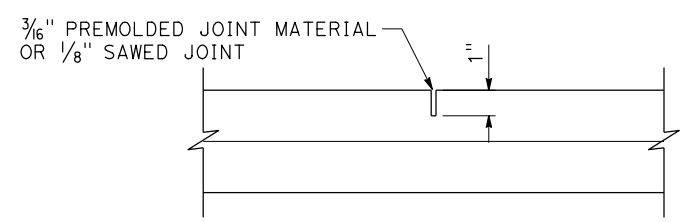
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CLAUDE YAVARASKI
 CHECKED BY: PAUL KOSINSKI
 REVISED BY: [] DATE: []
 REVISIONS: []

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	94	358
 REGISTERED CIVIL ENGINEER			DATE	07/01/20	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

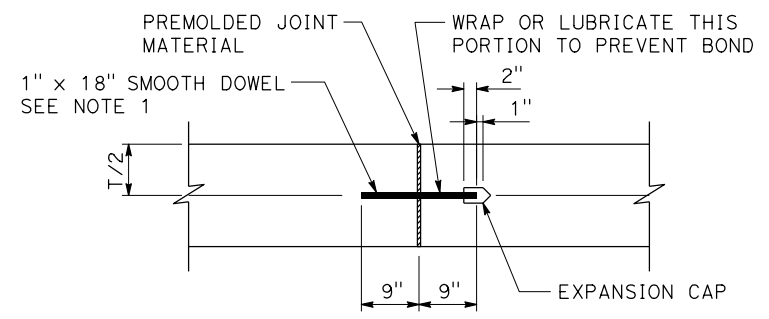


4' x 3' TRAPEZOIDAL CHANNEL

19 h



WEAKENED PLANE JOINT DETAIL



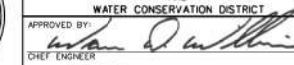
EXPANSION JOINT DETAIL

NOTE:

- ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE IN A VERTICAL PLANE NORMAL TO THE CENTERLINE. CONTINUOUS KEYWAYS SHALL BE CONSTRUCTED AS SHOWN IN DETAIL A. A COMPLETE CURTAIN OF TRANSVERSE STEEL SHALL BE PLACED 3 INCHES FROM EACH FACE OF THE JOINTS AND LONGITUDINAL STEEL WILL NOT BE CONTINUOUS THROUGH THE JOINTS. AN EXPANSION JOINT SHALL BE CONSTRUCTED BETWEEN THE REINFORCED CONCRETE TRANSITION AND REINFORCED CONCRETE BOX SECTION AS SHOWN IN DETAIL B. DOWELS SHALL BE PLACED AT 18 INCH SPACING CENTERED IN THE MIDDLE OF THE BOTTOM SLAB AND THE TOP THIRD OF SIDE WALLS. A MINIMUM OF 3 DOWELS PER SLAB AND WALLS SHALL BE PLACED.

NOTES

- DRAIN PIPE OUTLETS SHALL BE COVERED WITH 1/2" MESH GALVANIZED SCREEN, ANCHORED IN CONCRETE A MINIMUM OF 4", OF 16 GAGE WIRE OR HEAVIER.
- SUBDRAIN OUTLET SHALL BE CONSTRUCTED AT 300' INTERVALS, ALONG THE CHANNEL CENTERLINE, AS LOCATED ON THE PLANS OR IN THE SPECIFICATIONS; AND/OR AS DIRECTED BY ENGINEER.
- SUBDRAIN SHALL BEGIN AND END WITHIN 5' OF BOX CULVERTS UNLESS THE PLANS SPECIFICALLY REQUIRE THE SUBDRAIN TO BE CONTINUOUS UNDER THE BOX.
- OPTIONAL TO USE 90° ELBOW OR OTHER SPECIALS, AS APPROVED BY THE ENGINEER.


APPROVED BY: 
 CIVIL ENGINEER
 DATE: April 5, 2004
 R.C.E. NO. 32336

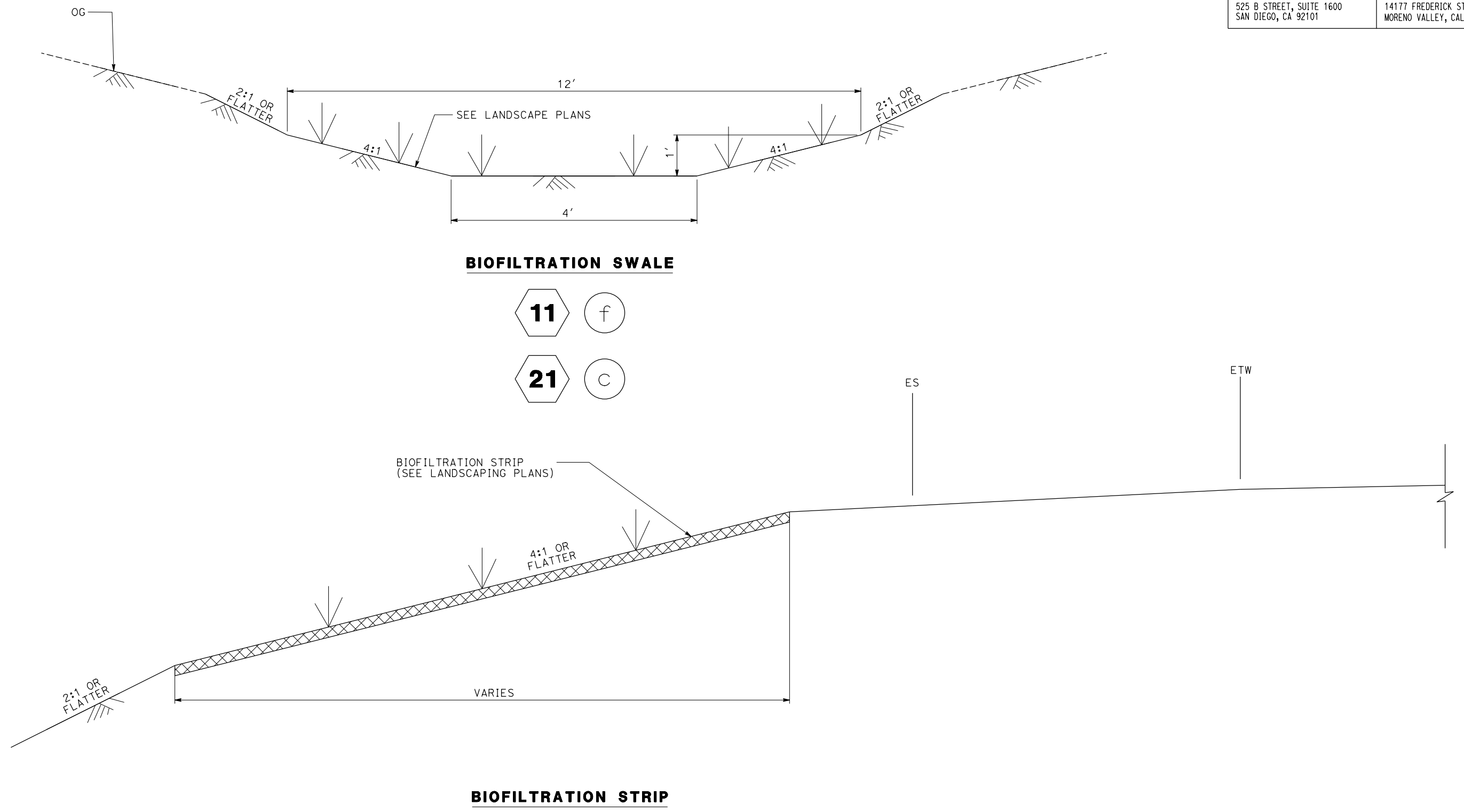
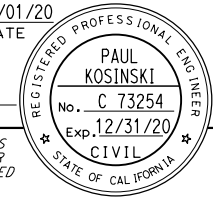
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 SUBDRAINS LAYOUT, SECTIONS & DETAILS
 STANDARD DRAWING NUMBER CH332

DRAINAGE DETAILS
 NO SCALE
DD-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CLAUDE YAVARASKI
 CHECKED BY: PAUL KOSINSKI
 REVISED BY: DATE REVISIONS

LAST REVISION: 00-00-00
 DATE PLOTTED => 20-JUL-2020
 TIME PLOTTED => 10:34

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
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Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI
REVISED BY	DATE REVISED

DRAINAGE DETAILS
NO SCALE **DD-9**

LAST REVISION DATE PLOTTED => 20-JUL-2020 00-00-00 TIME PLOTTED => 10:34

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	96	358

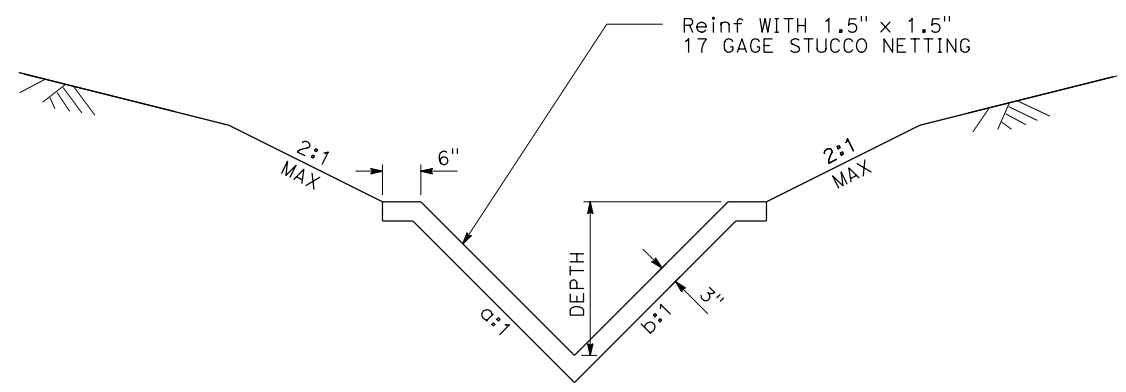
07/01/20
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

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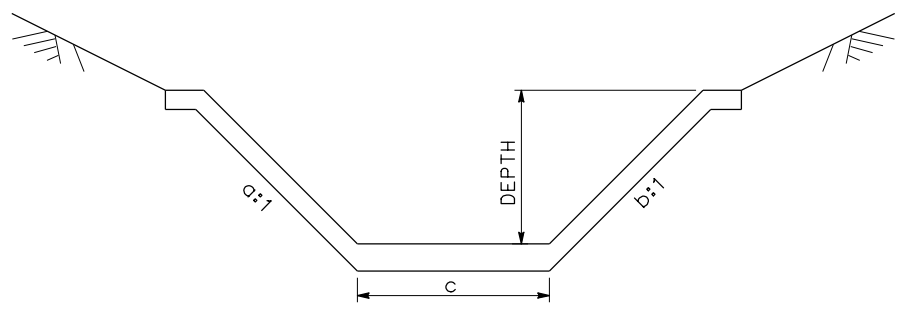
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



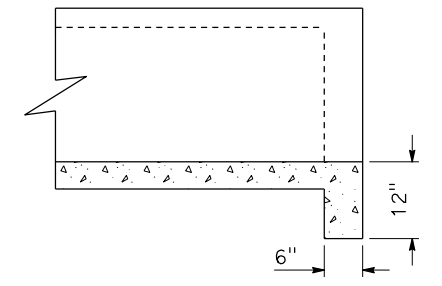
CONCRETE V-DITCH				
DRAINAGE SYSTEM	a	b	DEPTH	
1 (a)	3	3	12"	
1 (b)	3	3	12"	
4 (e)	3	3	12"	
4 (f)	3	3	12"	
20 (c)	3	3	12"	

V-DITCH (Typ)

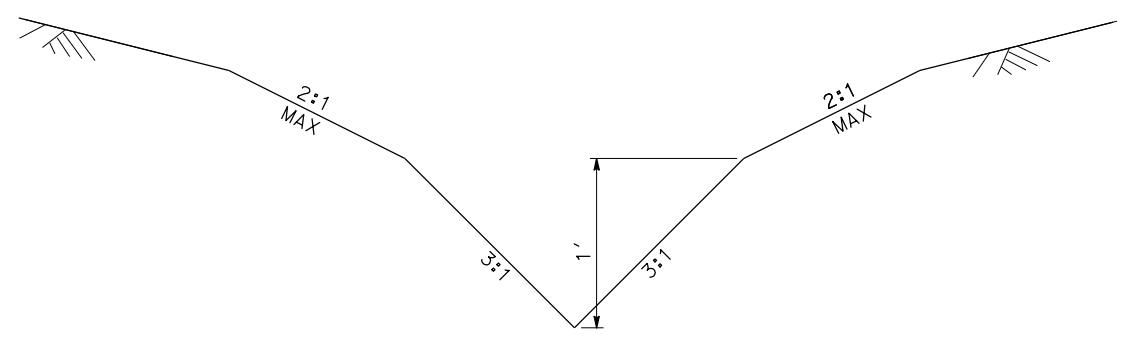


CONCRETE TRAPEZOIDAL DITCH				
DRAINAGE SYSTEM	a	b	c	DEPTH
12 (d)	2	2	2'	1.00'
13 (a)	2	2	2'	1.00'
18 (l)	2	2	2'	1.00'

TRAPEZOIDAL DITCH (Typ)



DITCH CUTOFF WALL (Typ)
DITCH END ELEVATION VIEW



EARTHEN SWALE

- 11 (g)
- 13 (b)
- 18 (m)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED/DESIGNED BY
 CHECKED BY
 PAUL KOSINSKI
 CLAIRE YAVARASKI
 REVISOR BY
 DATE REVISOR
 DATE REVISOR

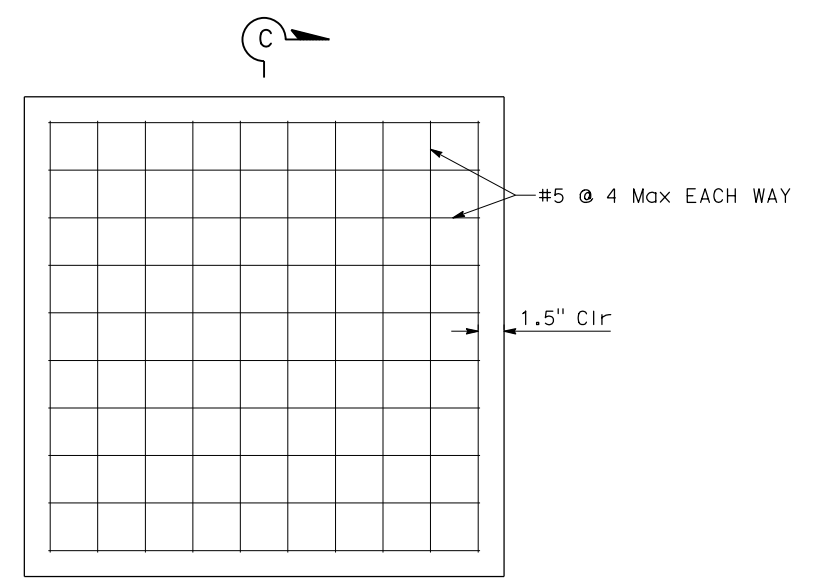
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER DATE 07/01/20
 PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

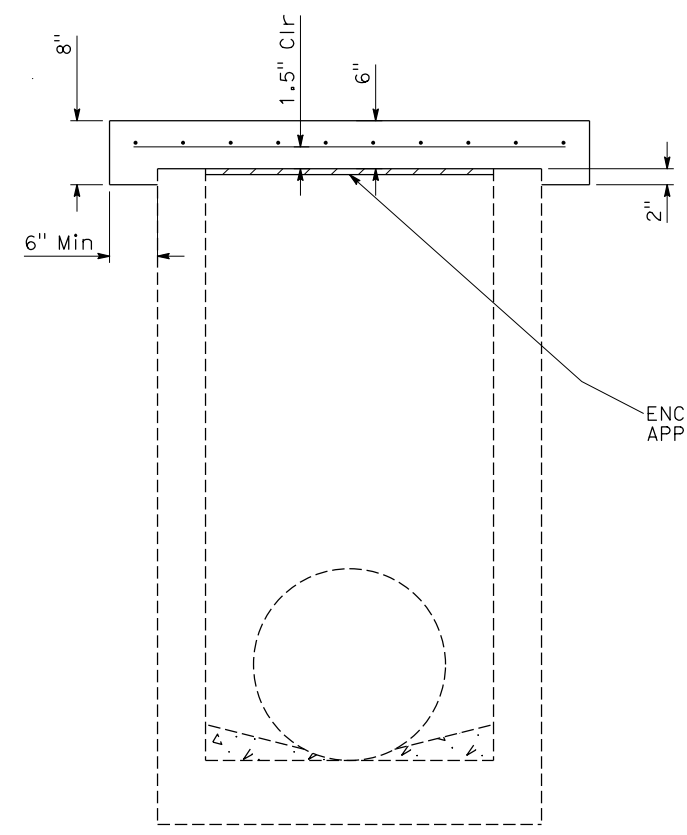
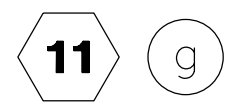
PLANS APPROVAL DATE
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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

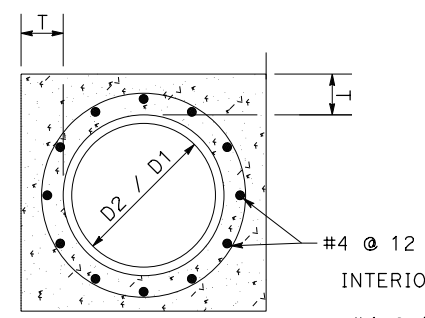
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



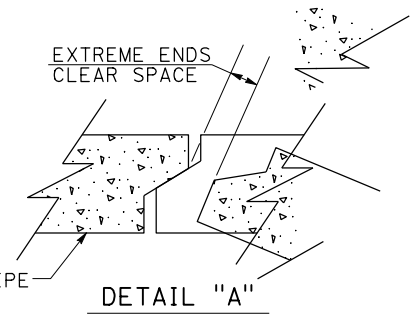
DRAINAGE INLET CAP



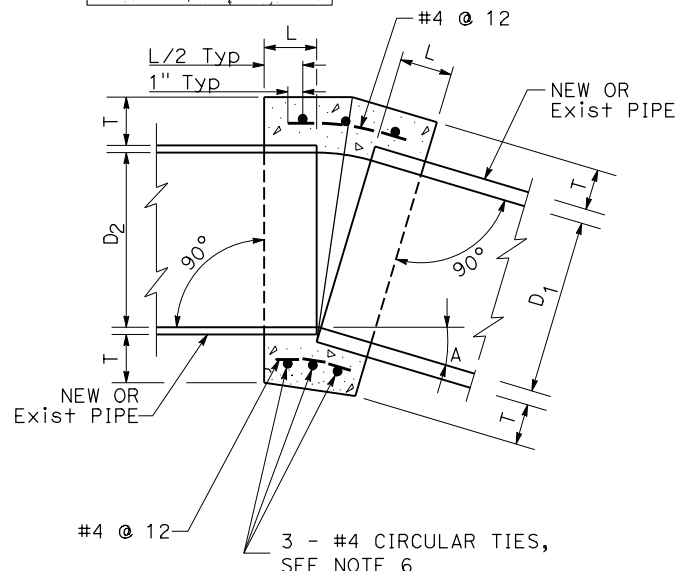
SECTION C-C



INTERIOR SURFACE OF PIPE



DETAIL "A"
TYPICAL JOINT FOR REINFORCED CONCRETE PIPE



PROFILE

CONCRETE COLLAR

4	b
6	f
11	b
15	d
16	d
22	c
23	d

D	L	T
12"	12"	4"
18"	12"	5"
24"	12"	6"
30"	18"	7"
36"	18"	9"
42"	18"	9"
48"	18"	10"
54"	18"	10"
60"	21"	11"
72"	24"	12"

NOTES (COLLARS):

- CONCRETE SHALL BE MINOR CONCRETE, MINOR STRUCTURE.
- A CONCRETE COLLAR IS REQUIRED WHERE THE CHANGE IN GRADE EXCEEDS 0.10 FEET PER FOOT, OR IF CHANGE IN ALIGNMENT EXCEEDS 0.10 FEET PER FOOT.
- FOR CURVE JOINTS: IF THE EXTREME ENDS OF THE PIPE LEAVE A CLEAR SPACE THAT IS GREATER THAN 1", BUT LESS THAN 6", A CONCRETE COLLAR IS REQUIRED (SEE DETAIL A THIS SHEET). IF THE CLEAR SPACE IS 6" OR GREATER, A TRANSITION STRUCTURE IS REQUIRED.
- WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, "L" AND "T" SHALL BE THOSE OF THE LARGER PIPE. D=D1 OR D2, WHICHEVER IS GREATER.
- FOR PIPE SIZE NOT LISTED USE NEXT SIZE LARGER.
- REINFORCING SHALL BE USED WHERE THE PIPE DIAMETER IS GREATER THAN 21" AND ON ALL PIPES WHERE THE SPACES BETWEEN THE EXTREME OUTER ENDS IS 3" OR LARGER.
CIRCULAR TIES:

PIPE DIAMETER	No. OF CIRCULAR TIES
21" OR LESS	3
24" TO 30"	3
33" TO 57"	4
60" TO 72"	5
- WHERE THE SPACE BETWEEN PIPE ENDS EXCEEDS 3", THE NUMBER OF CIRCULAR TIES SHALL BE INCREASED TO MAINTAIN AN APPROXIMATE SPACING OF 6" OC.
- WHERE REINFORCING IS REQUIRED, THE DIAMETER OF THE CIRCULAR TIES SHALL BE $D + (2 \times \text{WALL THICKNESS}) + T$.
- JOIN PIPES AT INVERTS WHERE THE SLOPE OF UPSTREAM PIPE IS LESS THAN THE SLOPE OF THE DOWNSTREAM PIPE, AND JOIN PIPES AT THE SOFFIT WITH A MITER JOINT WHERE THE SLOPE OF THE UPSTREAM PIPE IS GREATER THAN THE SLOPE OF THE DOWNSTREAM PIPE.

DRAINAGE DETAILS
NO SCALE **DD-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: CLAUDE YAVARASKI
 CHECKED BY: PAUL KOSINSKI
 REVISED BY: CLAUDE YAVARASKI
 DATE REVISED: PAUL KOSINSKI

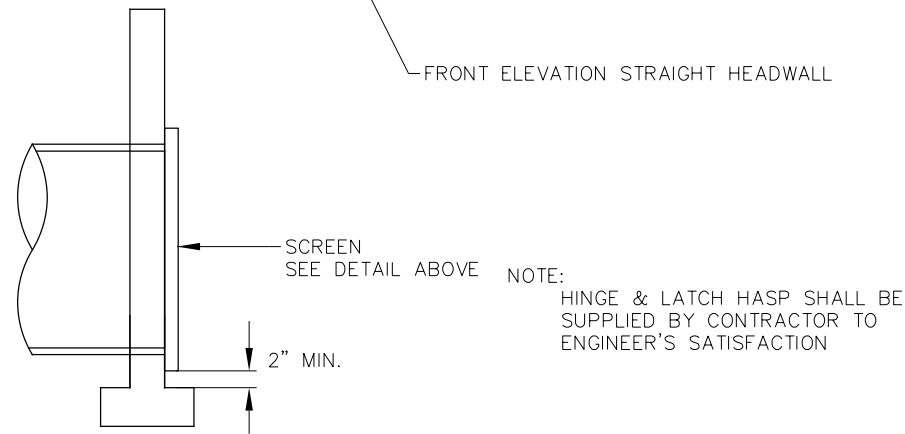
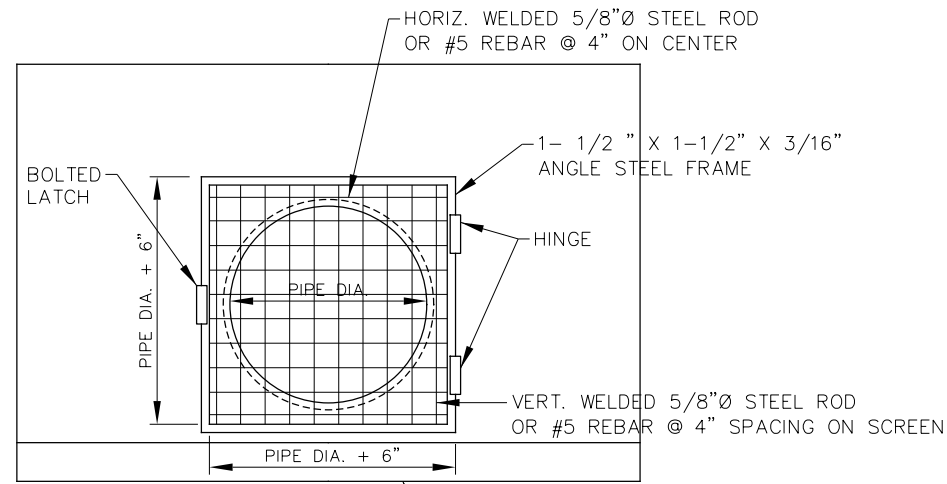
LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 10:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	98	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 REGISTERED PROFESSIONAL ENGINEER
 PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

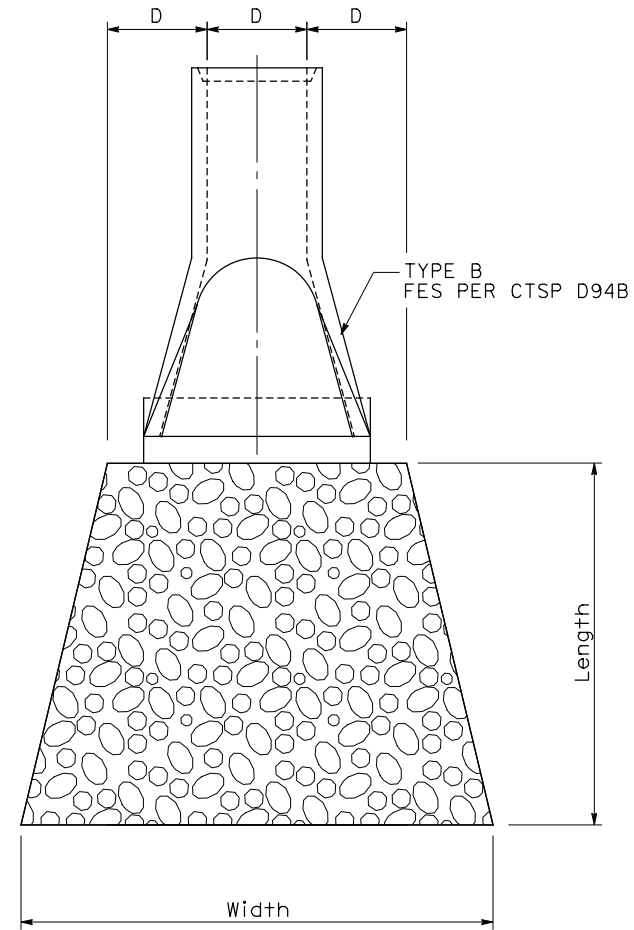
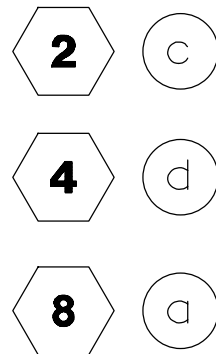
PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



SECTION VIEW

STRAIGHT HEADWALL SCREEN



DS	D	Class	Depth	Length	Width	Method of Placement
	in		ft	ft	ft	
14a	24	1	1.5	8	11.3	B
15a	18	1	1.5	6	8.5	B
16a	18	1	1.5	6	8.5	B
18h	24	6	3.7	16	16.7	A or B
19h	-	1	1.5	10.6	7.0	B
23a	18	1	1.5	6	8.5	B
26a	18	1	1.5	6	8.5	B

RSP

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 Caltrans®
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 CLAIR YAVARASKI
 PAUL KOSINSKI
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	99	358

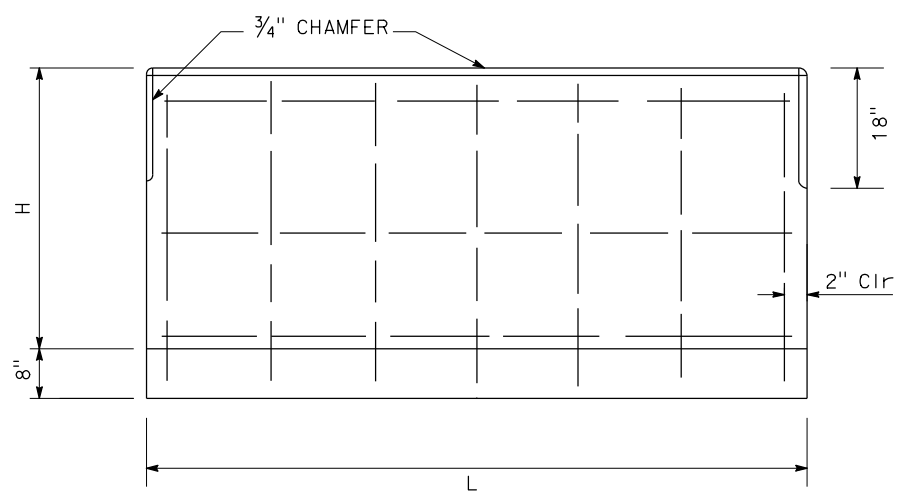
REGISTERED CIVIL ENGINEER DATE 07/01/20
 PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

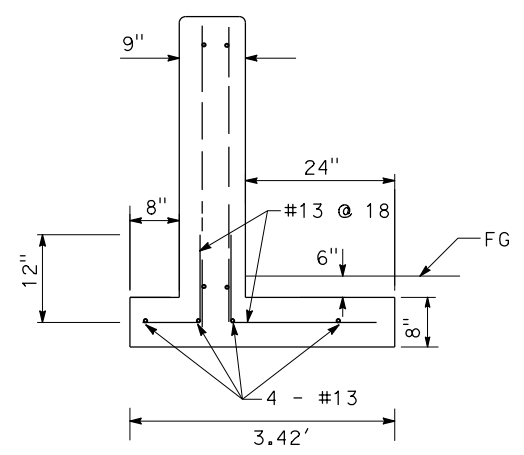
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

- CONSTRUCTION NOTES**
- ALL REINFORCING STEEL #13 BARS. ALL VERTICAL AND HORIZONTAL TIE BARS 18" MAXIMUM SPACING.
 - REINFORCEMENT STEEL SHALL BE PLACED 2" CLEAR.
 - DETAIL SHOWS SPLASHWALL INTEGRATED WITH Conc CHANNEL (TYPE A). SPLASHWALL WALL DETAIL, INCORPORATING CUTOFF WALL, TO BE USED ADJACENT TO EARTHEN BIOSWALE, EARTHEN CHANNEL AND RSP.
 - LENGTH OF CUTOFF WALL, WHEN SPECIFIED, TO BE FULL LENGTH OF SPLASHWALL/HEADWALL.



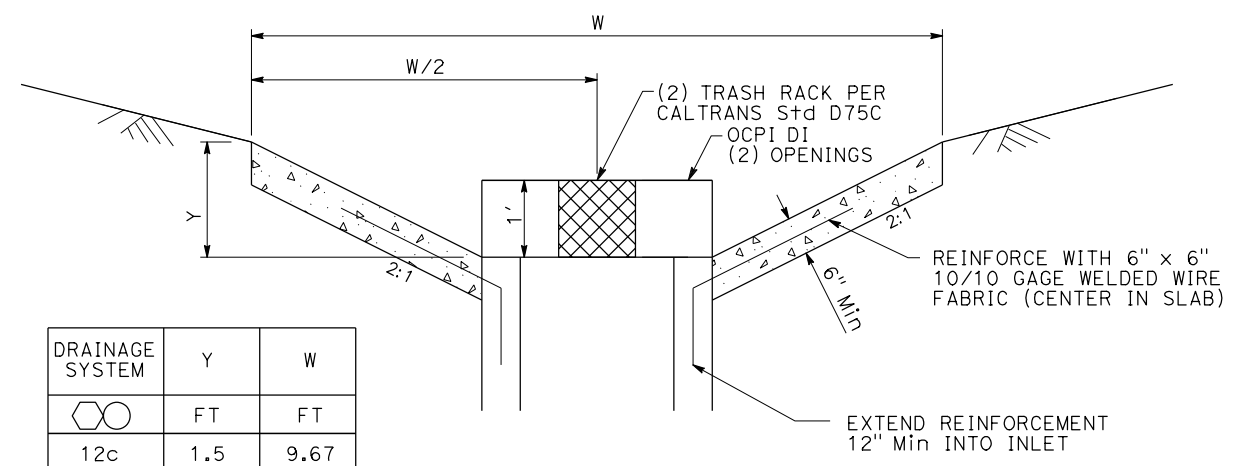
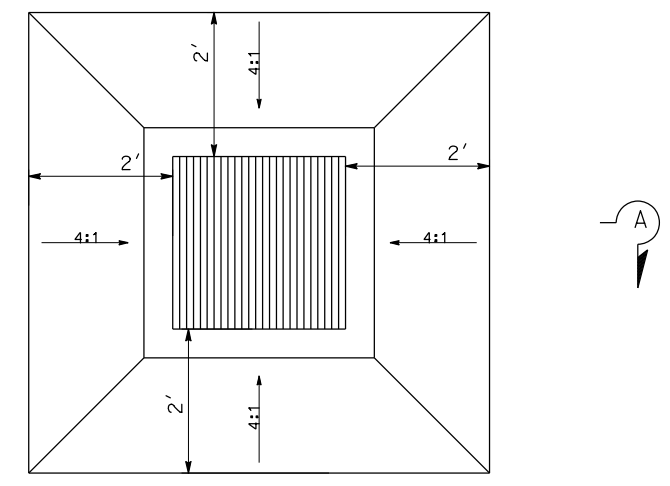
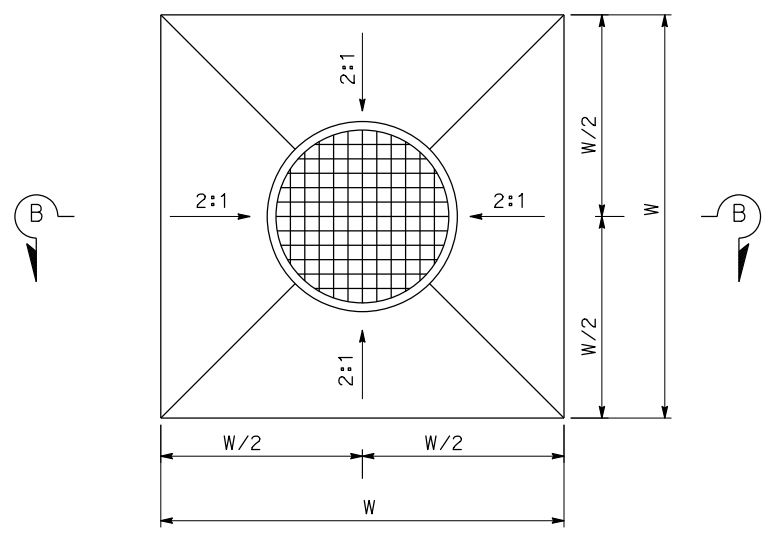
FRONT ELEVATION OF SPLASHWALL



SECTION OF SPLASHWALL

SPLASHWALL DETAIL

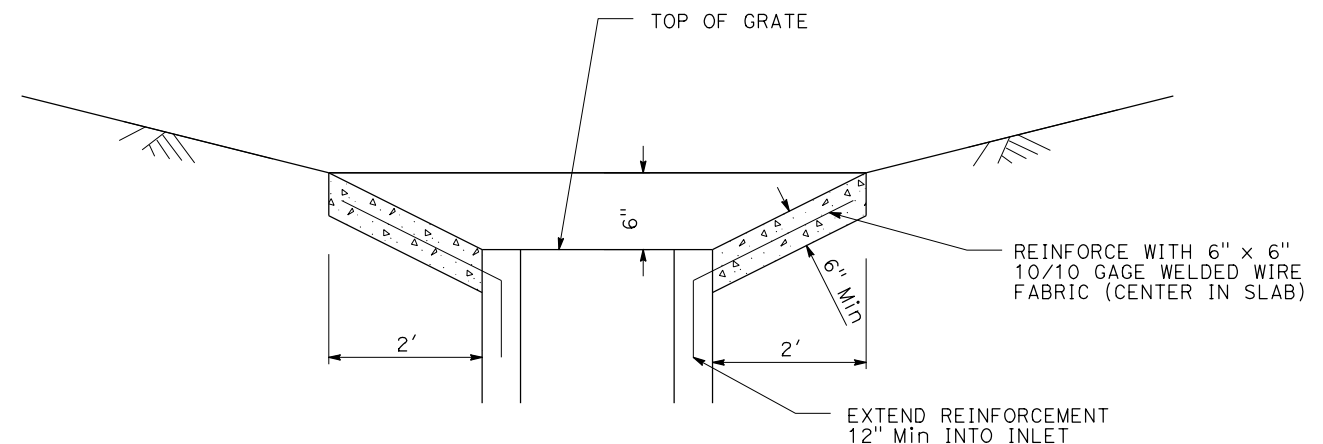
19 i



SECTION B-B

OCPI CONCRETE APRON

12 c



SECTION A-A

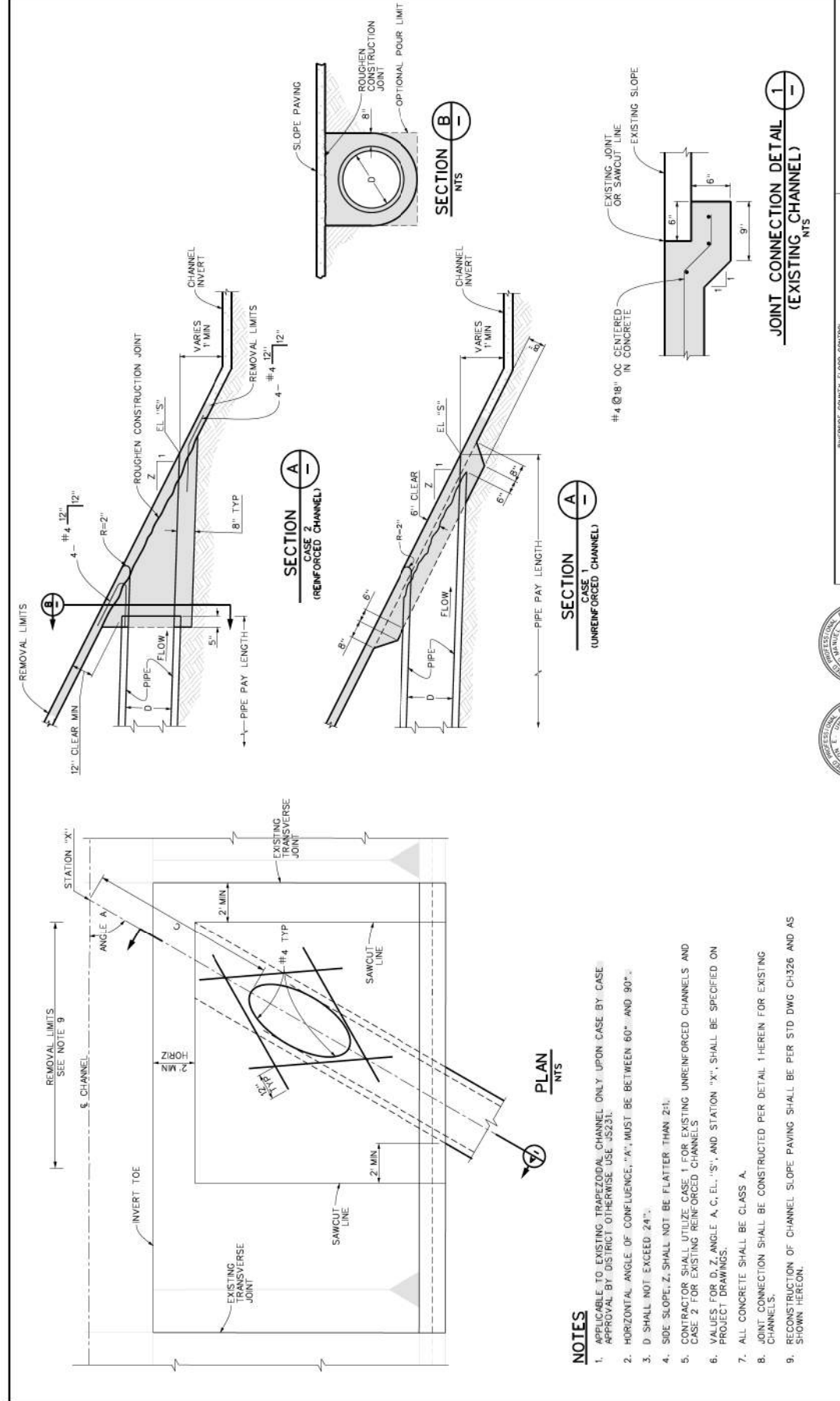
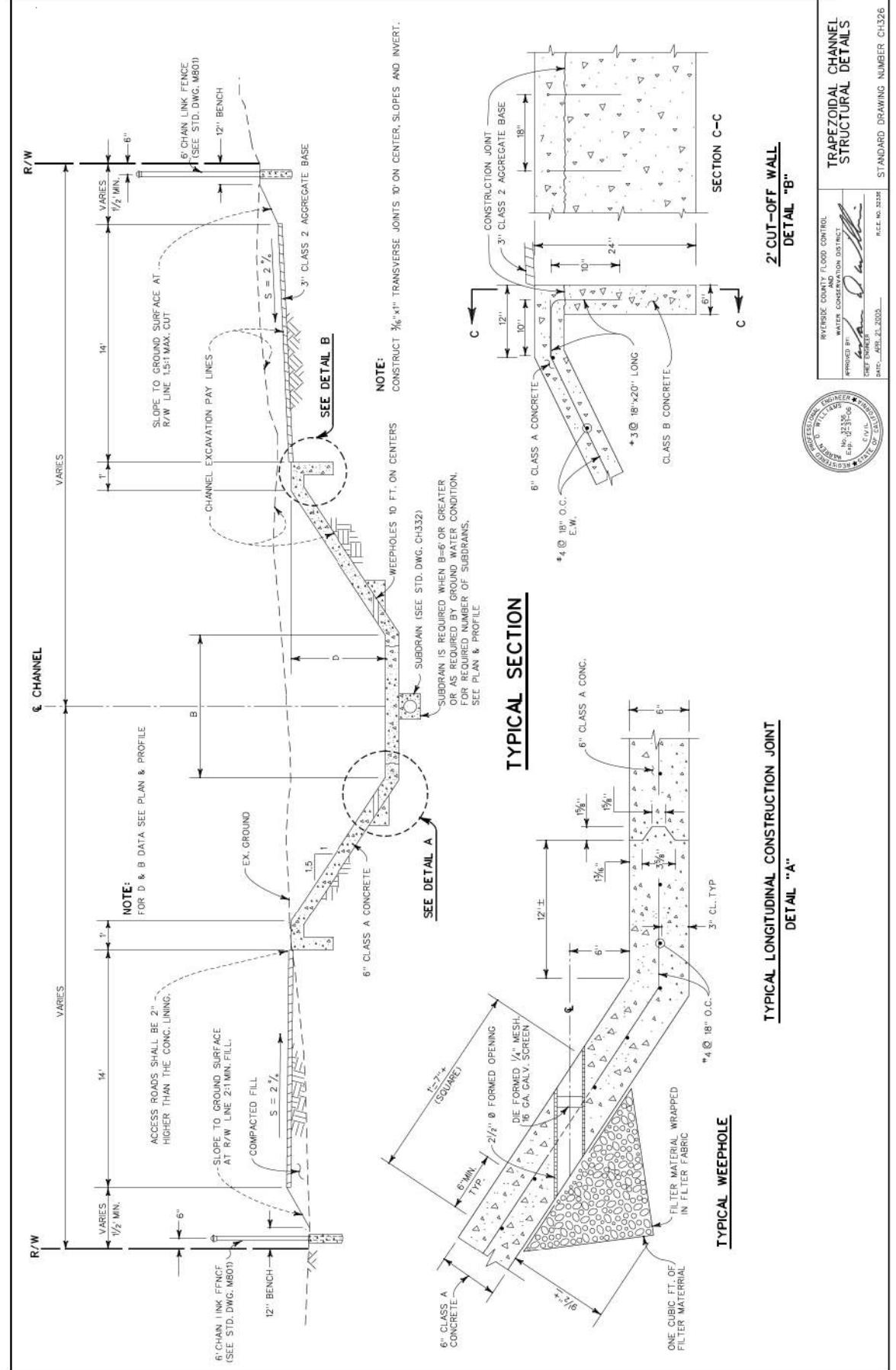
CONCRETE APRON PLAN

11 e

DRAINAGE SYSTEM	Y	W
	FT	FT
12c	1.5	9.67

DRAINAGE DETAILS
NO SCALE
DD-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DESIGN BRANCH H
 CONSULTANT - FUNCTIONAL SUPERVISOR - NICOLE DEPUY
 CALCULATED/DESIGNED BY - CLAUDE YAVARASKI
 CHECKED BY - PAUL KOSINSKI
 REVISED BY - DATE
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



APPROVED BY: [Signature] DATE: 7-2-2019
 RIVERVIEW COUNTY FLOOD CONTROL DISTRICT
 WATER CONSERVATION DISTRICT
 R.C.E. NO. 93798
 REGISTERED PROFESSIONAL ENGINEER
 No. 93798
 CIVIL
 JUNCTION STRUCTURE NO. 7
 STANDARD DRAWING NUMBER JS232
 SHEET 1 OF 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	100	358

REGISTERED CIVIL ENGINEER: PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 07/01/20

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	101	358

REGISTERED CIVIL ENGINEER DATE: 07/01/20

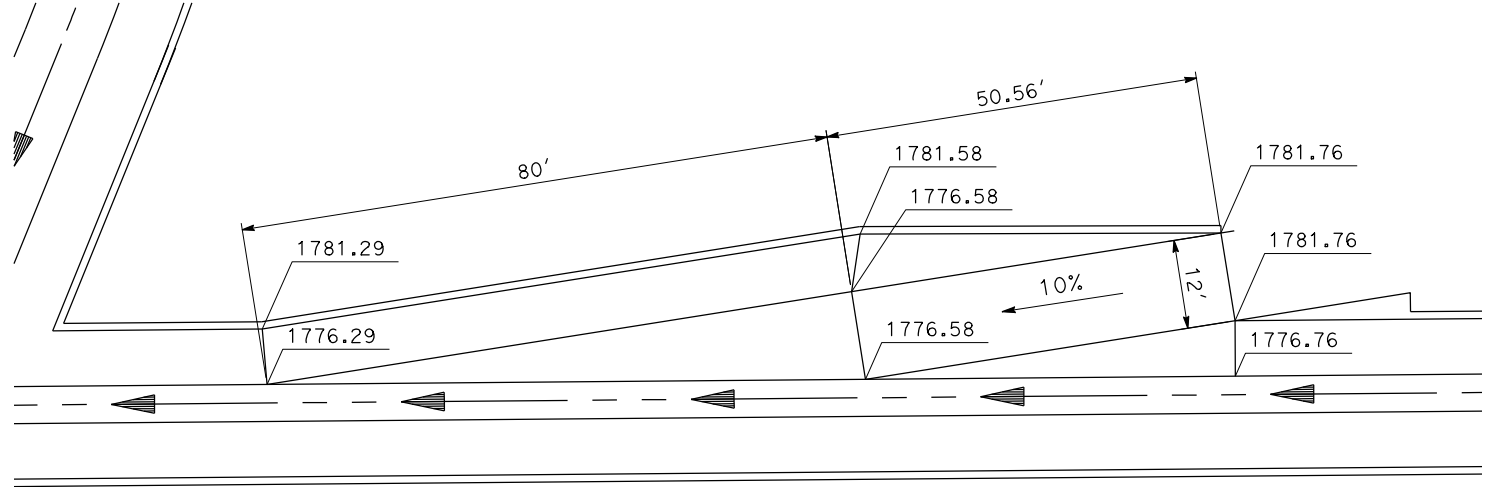
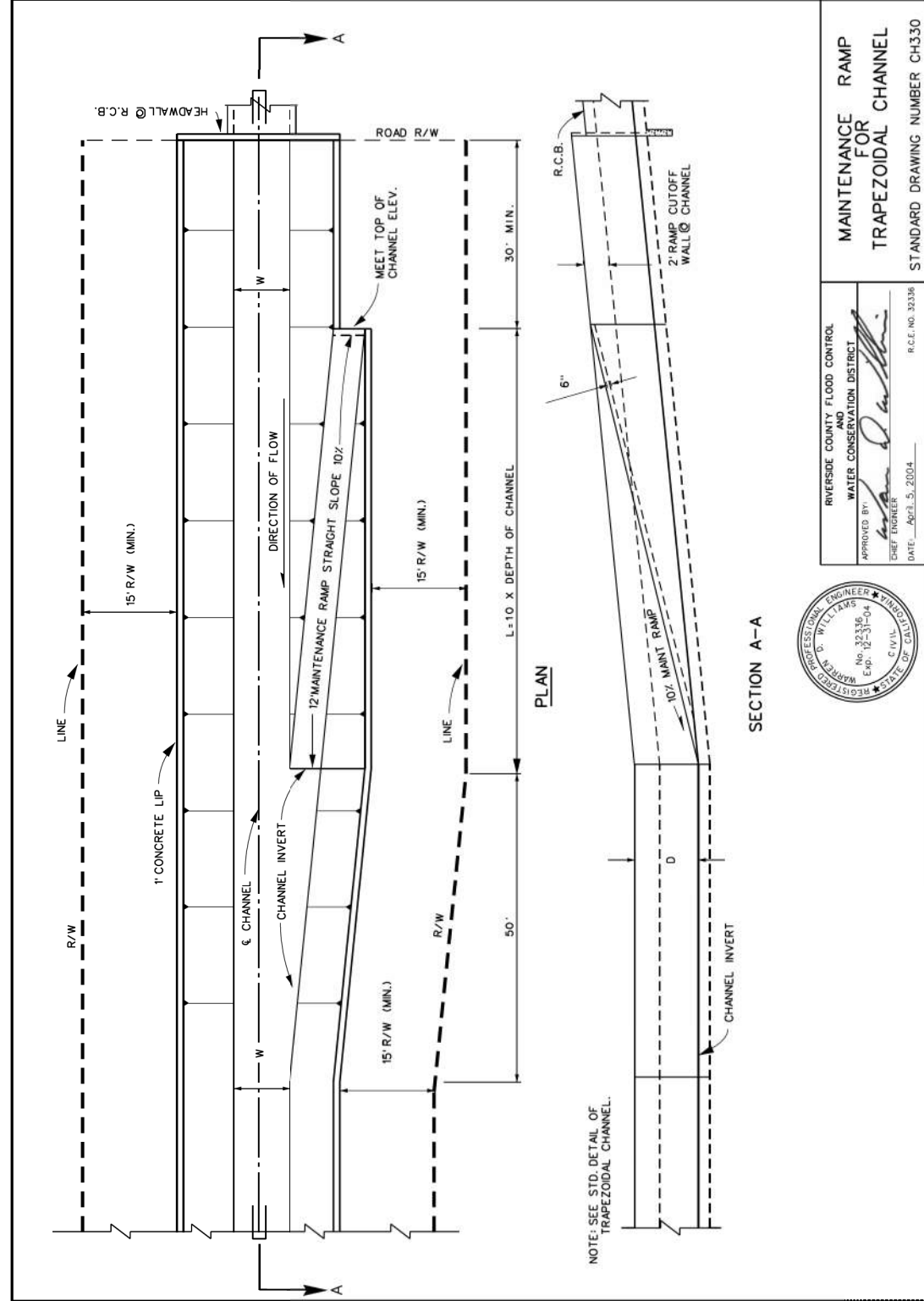
PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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PARSONS
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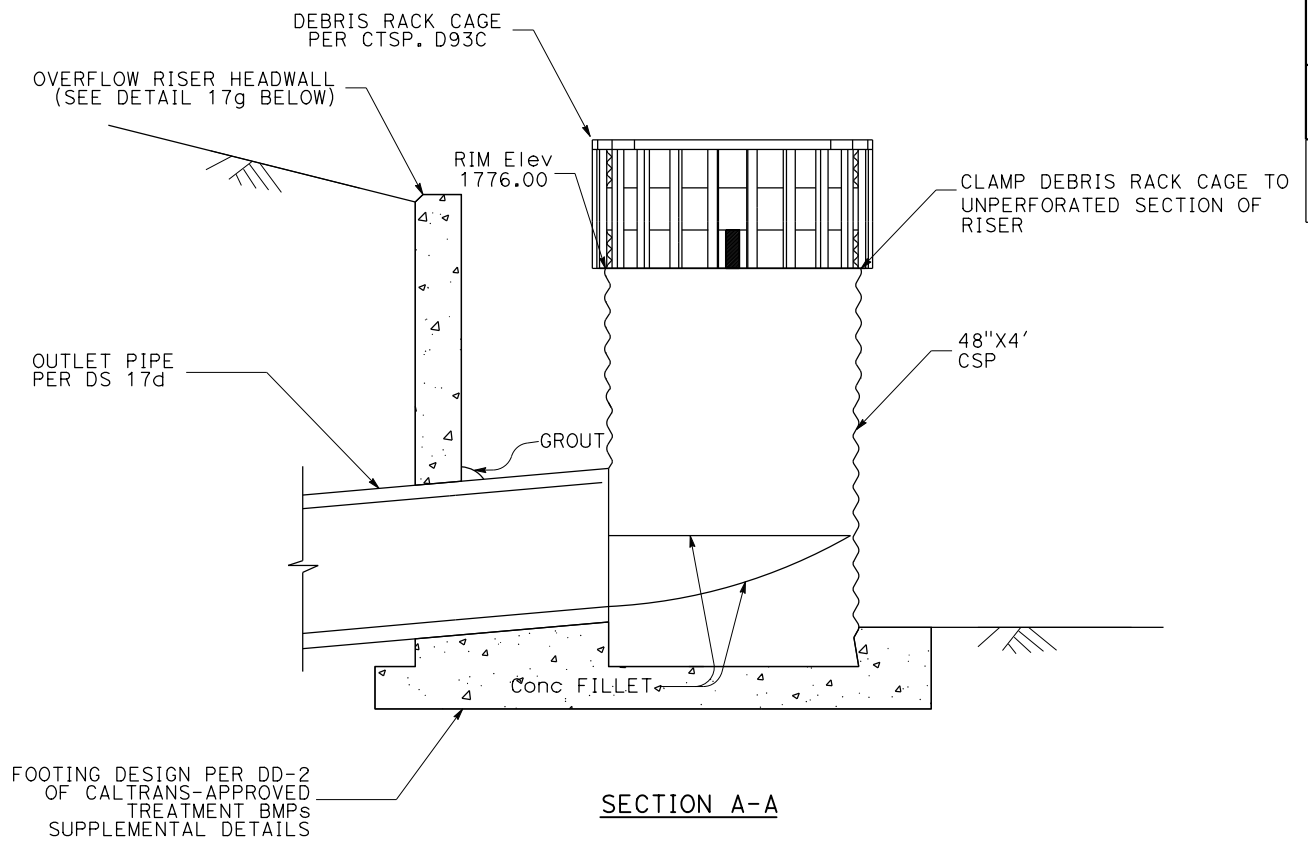
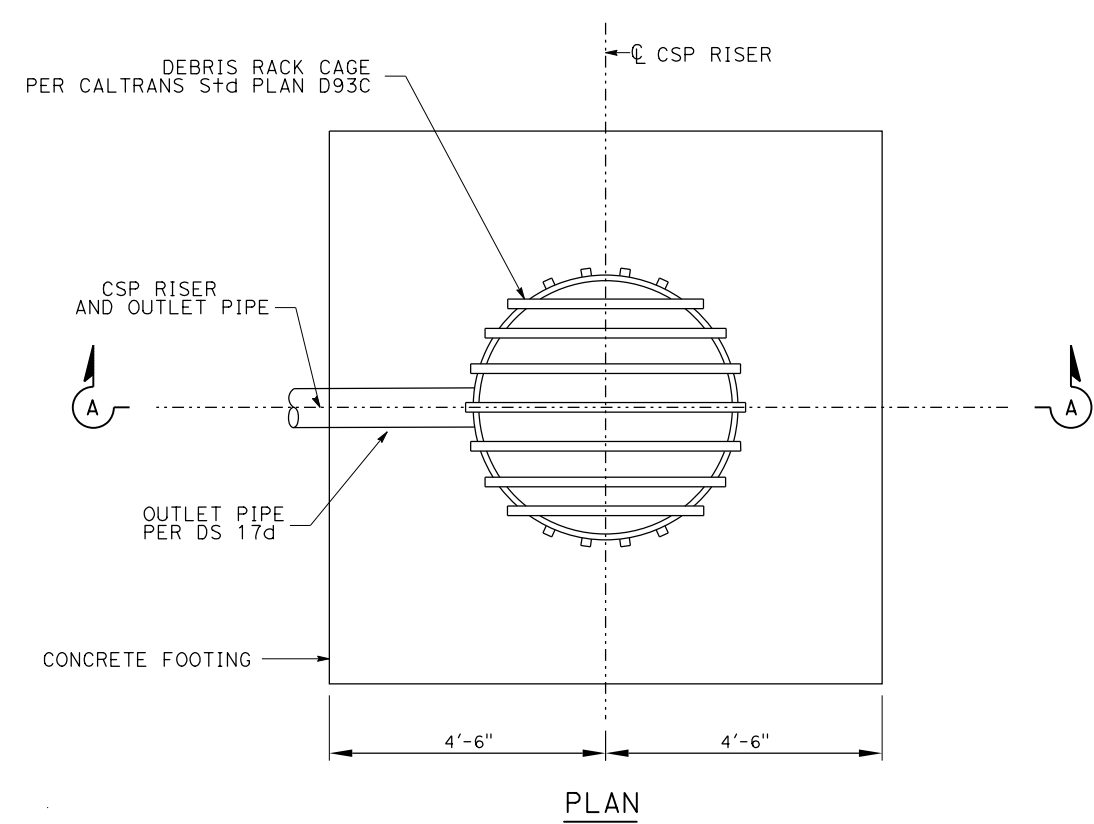
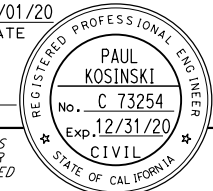
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



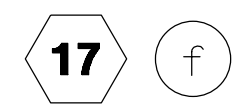
MAINTENANCE RAMP FOR TRAPEZOIDAL CHANNEL

DRAINAGE DETAILS
 NO SCALE
DD-15

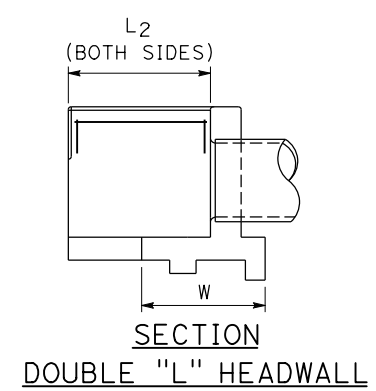
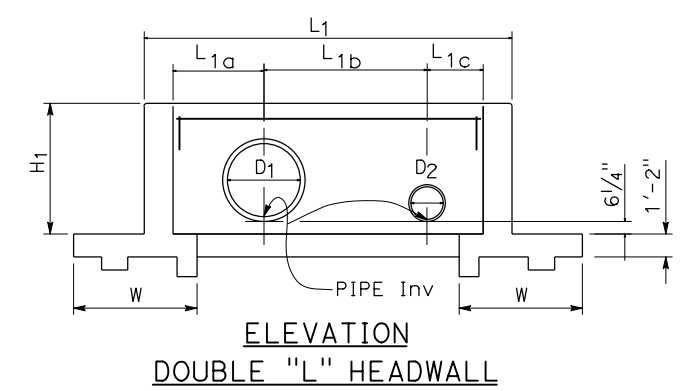
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	102	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



OVERFLOW RISER (TYPE 1)



- DIMENSIONS**
- H₁ = 3'-2"
 - L₁ = 12'
 - L_{1a} = 4'-8"
 - L_{1b} = 4'-2"
 - L_{1c} = 1'-2"
 - L₂ = 8'
 - D₁ = 18"
 - D₂ = 8"
 - W = 4'-10"



OVERFLOW RISER HEADWALL




SEE "L" HEADWALL ON CALTRANS S+D PLAN D89 FOR ADDITIONAL DETAILS

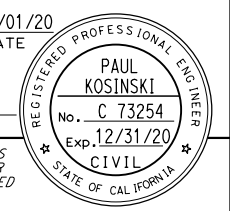
DRAINAGE DETAILS
NO SCALE **DD-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
OSMAR RODRIGUEZ	PAUL KOSINSKI
REVISOR	DATE

LAST REVISION DATE PLOTTED => 20-JUL-2020 00-00-00 TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	103	358

 07/01/20
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

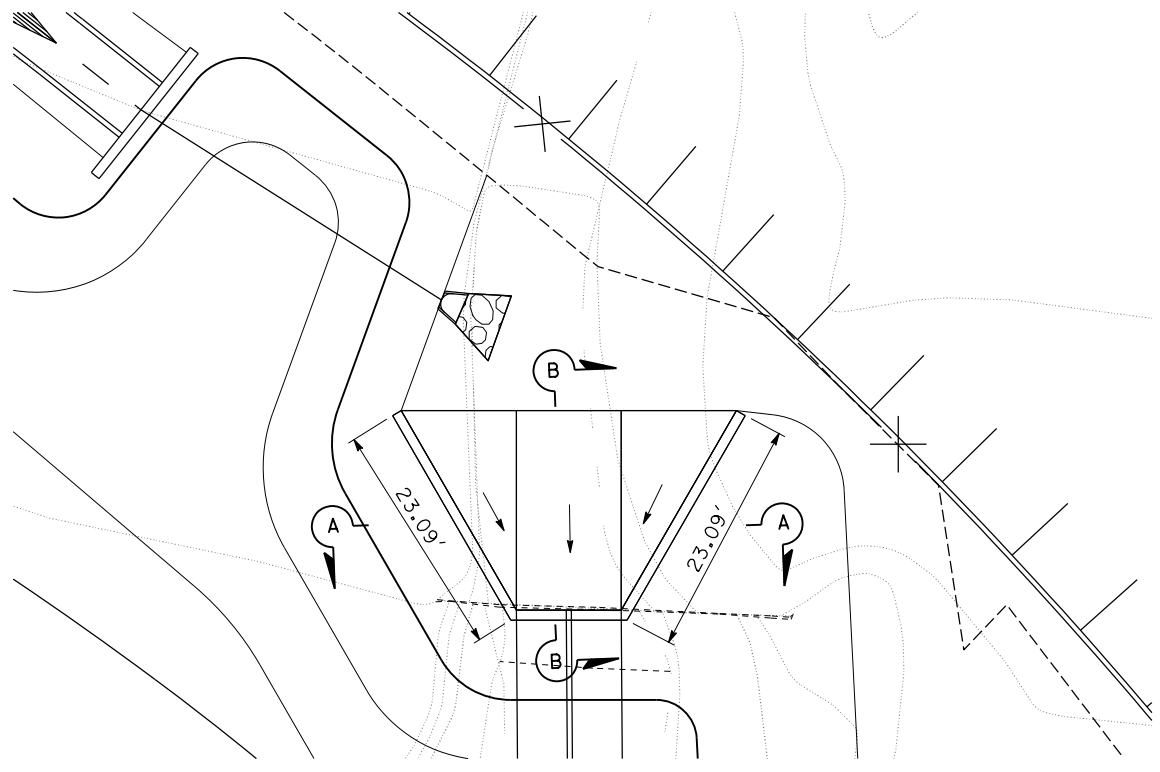


PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

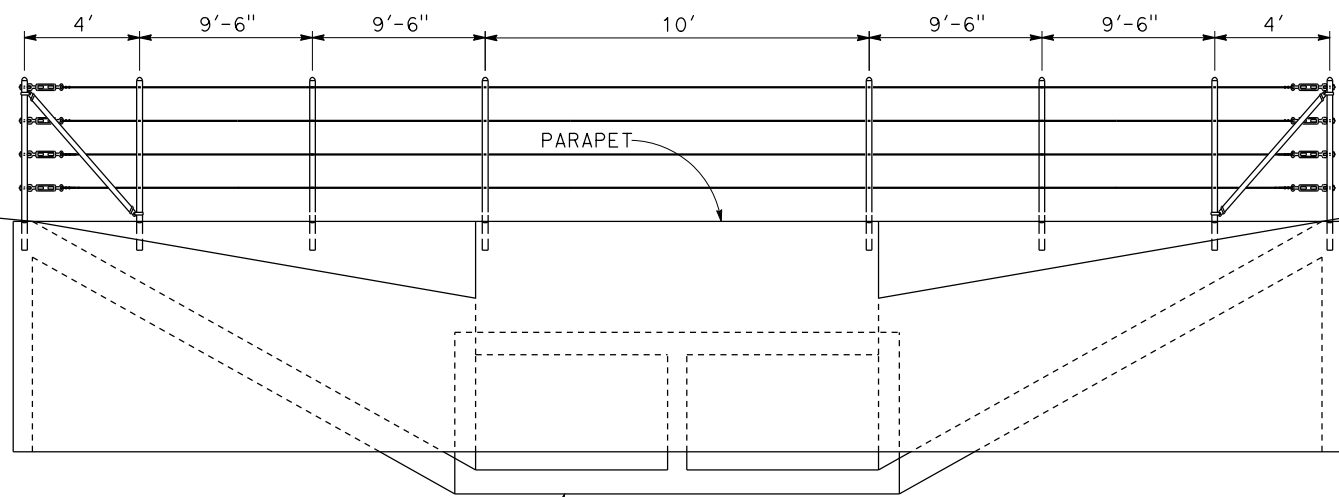
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTES:

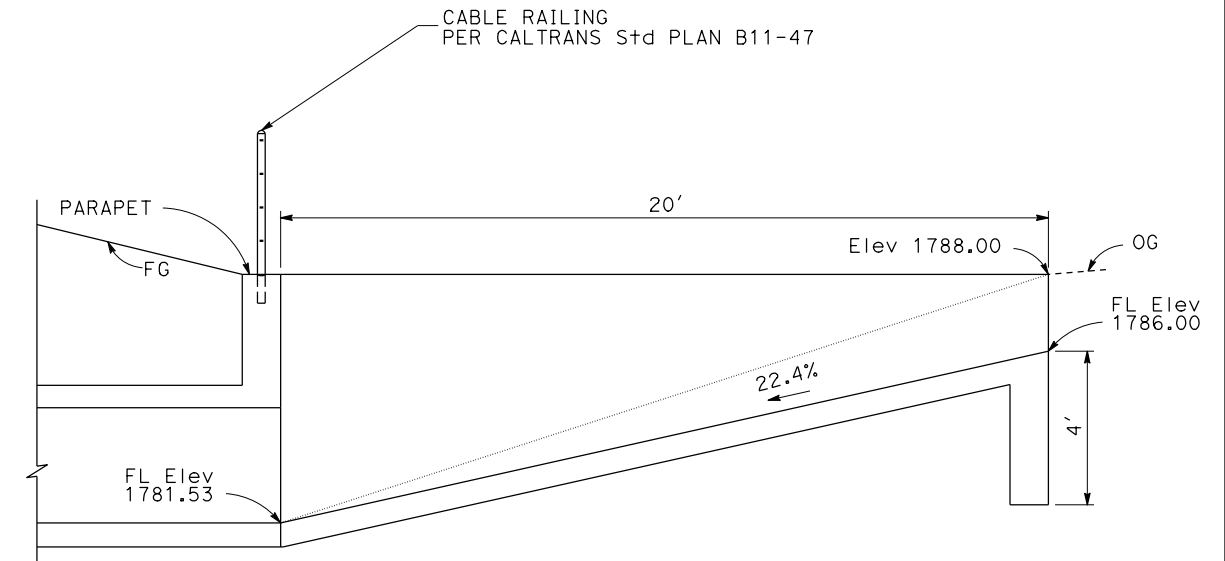
1. SEE CALTRANS STANDARD PLANS D86A FOR REINFORCEMENT DETAILS AND ADDITIONAL DIMENSIONS.
2. SEE CALTRANS STANDARD PLAN D81 FOR CONCRETE BOX CULVERT DETAILS.
3. SEE CALTRANS STANDARD PLAN B11-47 FOR CABLE RAILING DETAILS.



PLAN

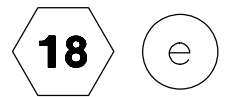


SECTION A-A



SECTION B-B

WARPED HEADWALL



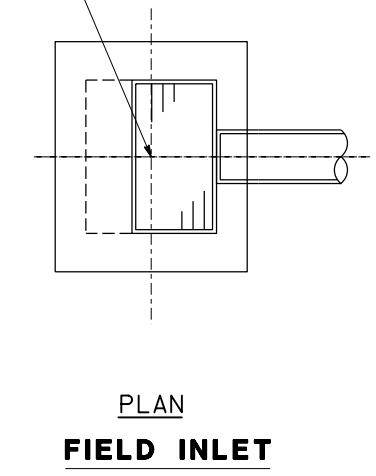
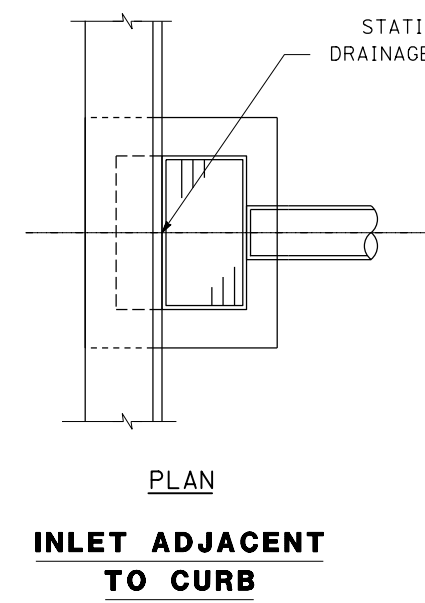
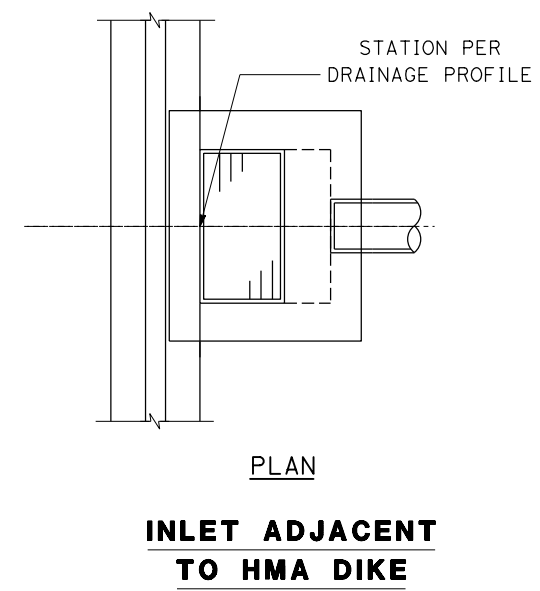
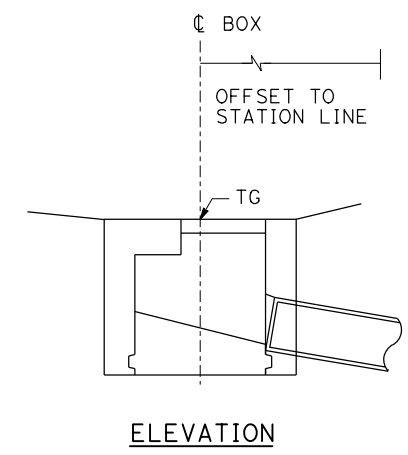
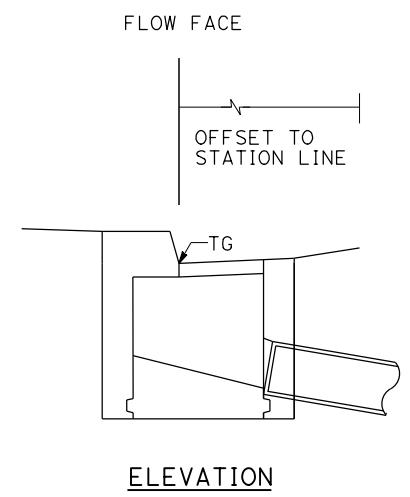
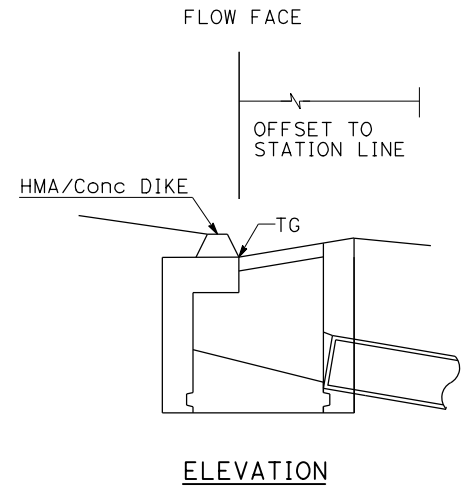
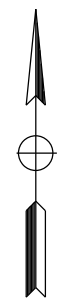
DRAINAGE DETAILS
NO SCALE DD-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED/DESIGNED BY
 CHECKED BY
 PAUL KOSINSKI
 REVISOR
 DATE REVISOR
 DATE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 CLAUDE YAVARASKI PAUL KOSINSKI
 REVISED BY: DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	104	358

REGISTERED CIVIL ENGINEER: *Paul Kosinski* DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 REGISTERED PROFESSIONAL ENGINEER: PAUL KOSINSKI
 No. C 73254 Exp. 12/31/20
 CIVIL STATE OF CALIFORNIA
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS: 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY: 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

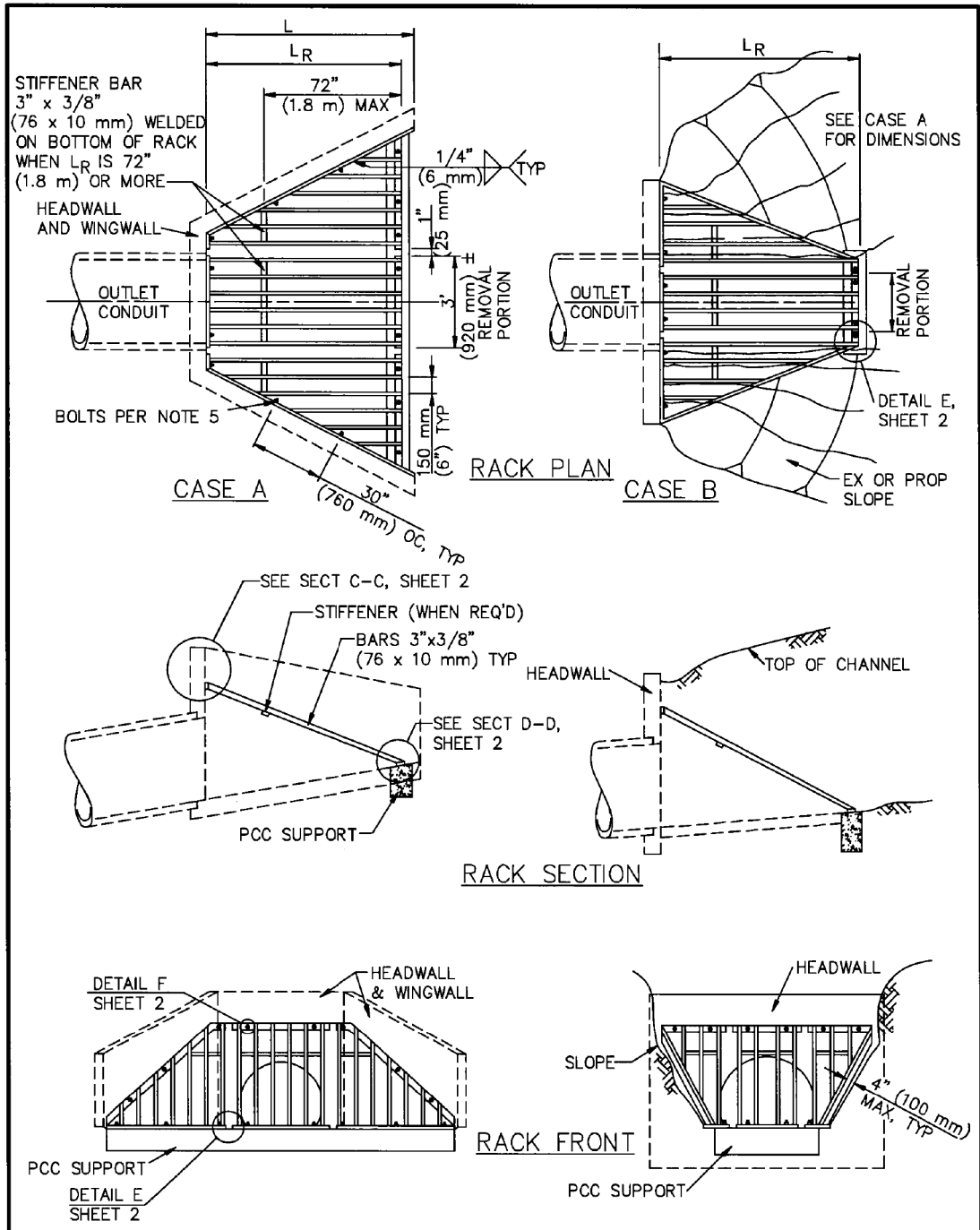


DRAINAGE DETAILS
 NO SCALE
DD-18

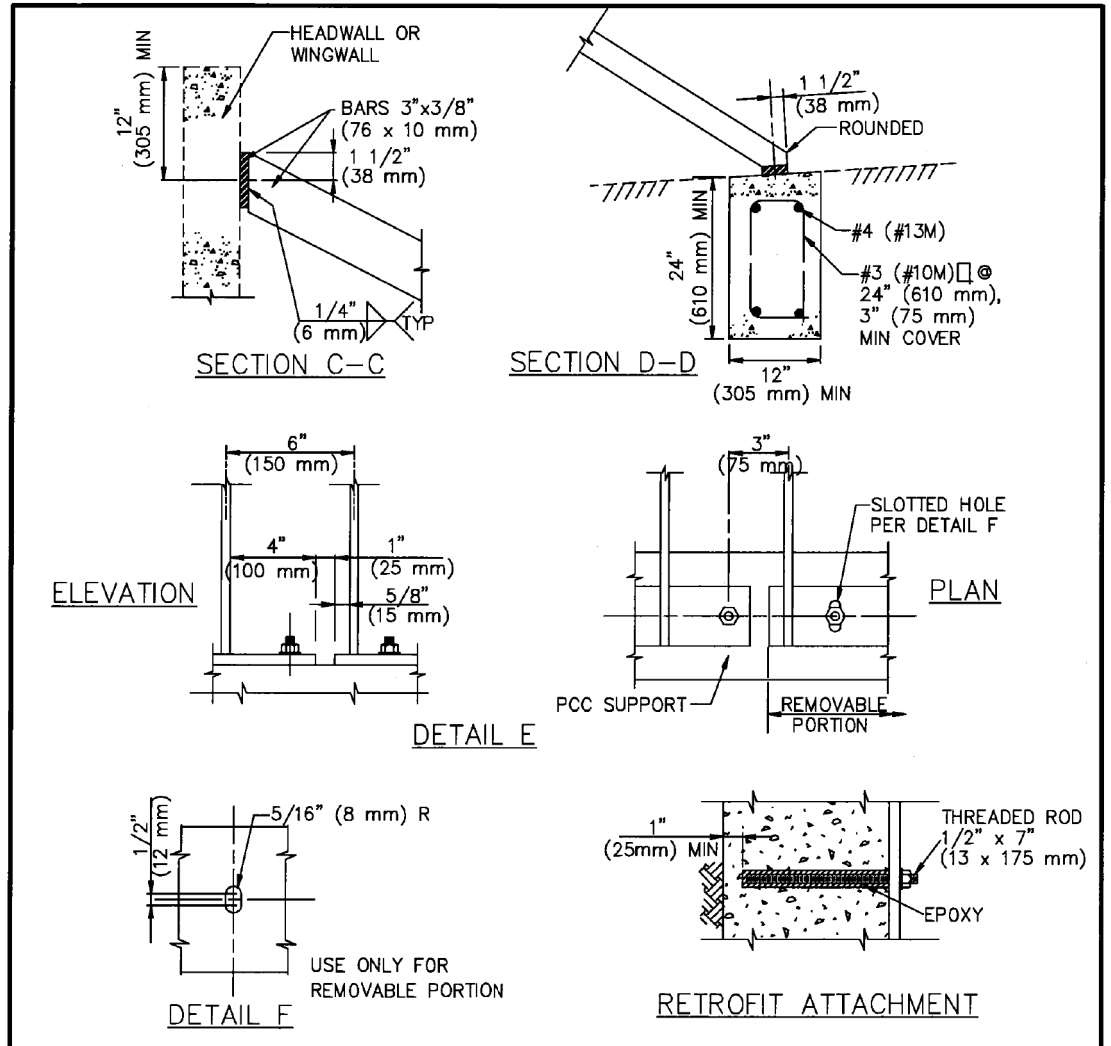
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	105	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

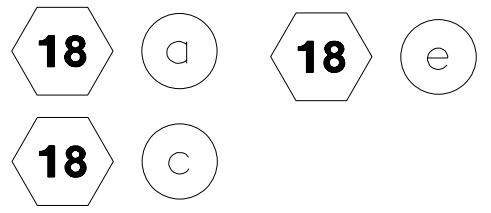


STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1993 REV. 2005, 2009	TRASH RACK (INCLINED)	STANDARD PLAN 361-2 SHEET 1 OF 2
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION		




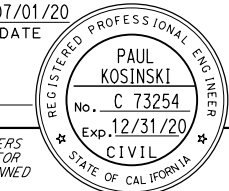
- NOTES
1. MAXIMUM SIZE OF OUTLET FOR THIS RACK IS 48" (1200 mm) PIPE OR 48" (1.2 m) WIDE RCB. MAXIMUM LENGTH OF RACK L_R IS 10'-0" (3 m).
 2. ADJUST L_R SO THAT THE SLOPE OF THE RACK IS APPROXIMATELY 2 HORIZONTAL TO 1 VERTICAL.
 3. THE PCC SUPPORT IS NOT NEEDED IF THE INLET STRUCTURE HAS A SUITABLE CUTOFF WALL. THE PCC SUPPORT SHALL NOT REPLACE THE CUTOFF WALL.
 4. GALVANIZE RACK AFTER FABRICATION.
 5. BOLTS SHALL BE 1/2"x7" (13 x 175 mm). BOLTS FOR REMOVABLE PORTION SHALL BE STAINLESS STEEL. PROVIDE WASHERS AT EACH BOLT.
 6. SUBMIT SHOP DRAWINGS PER SSPWC 2-5.3.3. FOR RETROFIT WORK, INCLUDE DETAILS FOR ATTACHMENT TO EXISTING STRUCTURE.

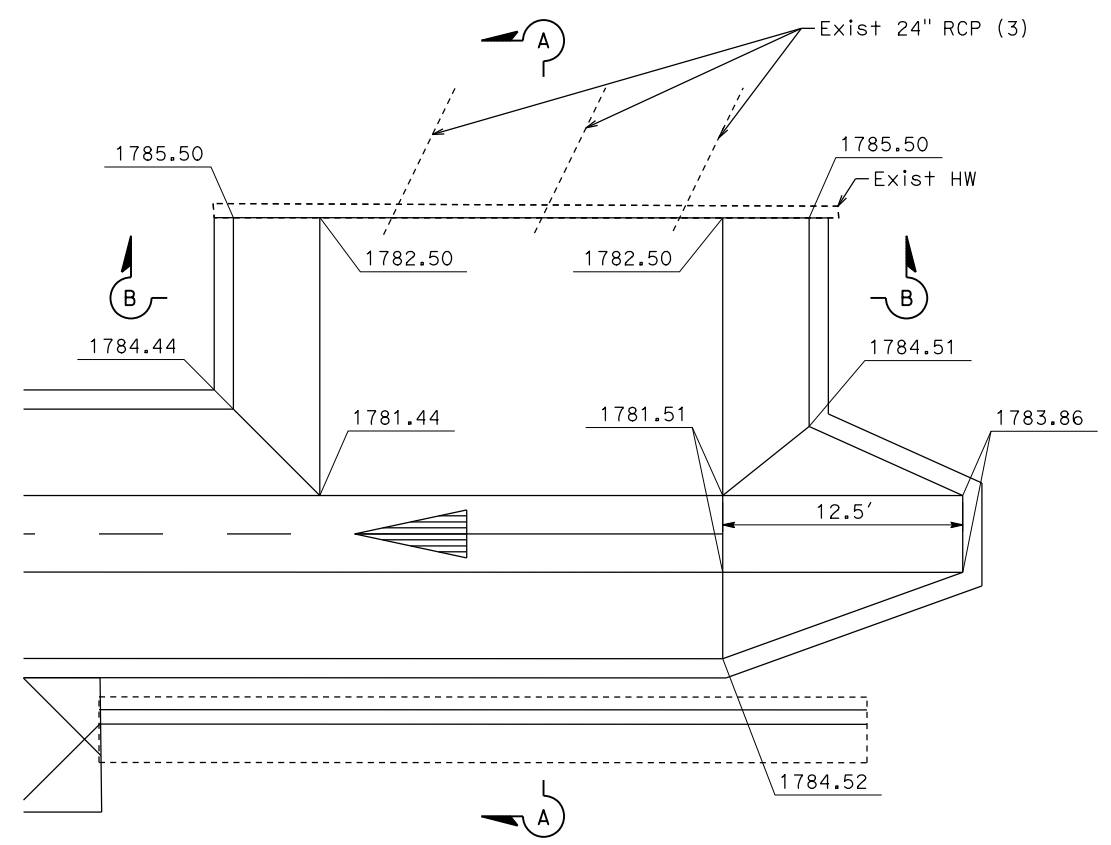
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		STANDARD PLAN
TRASH RACK (INCLINED)		361-2
		SHEET 2 OF 2



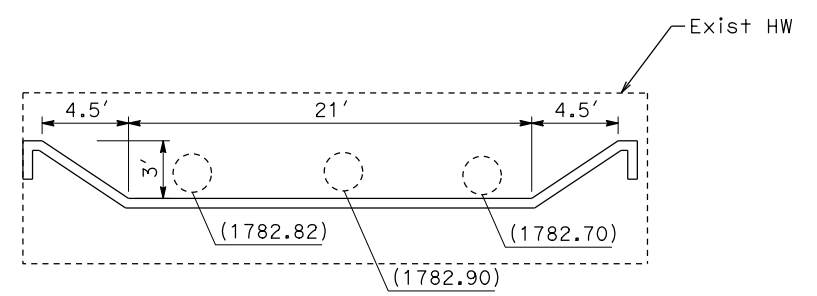
DRAINAGE DETAILS
 NO SCALE
DD-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DESIGN BRANCH H
 CONSULTANT: CLARE YAVARASKI, PAUL KOSINSKI, NICOLE DEPUY
 SUPERVISOR: CLARE YAVARASKI, PAUL KOSINSKI, NICOLE DEPUY
 DESIGNED BY: CLARE YAVARASKI, PAUL KOSINSKI, NICOLE DEPUY
 CHECKED BY: CLARE YAVARASKI, PAUL KOSINSKI, NICOLE DEPUY
 REVISIONS: REVISED BY, DATE REVISED

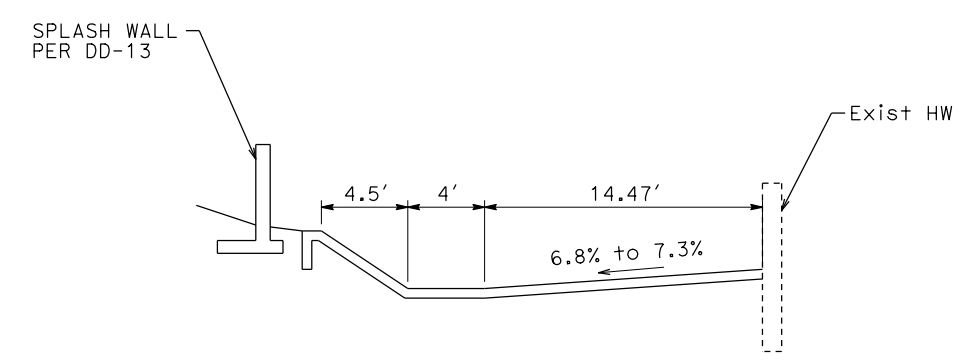
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	106	358
 REGISTERED CIVIL ENGINEER			DATE	07/01/20	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



PLAN

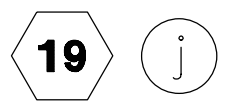


SECTION B-B



SECTION A-A

TRAPEZOIDAL CHANNEL



NOTES:

1. SEE RCFWCD DETAIL CH326 FOR ADDITIONAL DETAILS.
2. WEAKENED PLANE JOINTS SHALL BE PLACED EVERY 10', SEE DD-8.
3. EXPANSION JOINTS SHALL BE PLACED AT ALL CHANGES OF SECTION AND AT ENDS OF CURVES SEE DETAIL ON DD-8.

DRAINAGE DETAILS
NO SCALE **DD-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
CLAIRE YAVARASKI	PAUL KOSINSKI
REVISOR	DATE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN BRANCH H

Table with columns: DRAINAGE PLAN SHEET No., DRAINAGE SYSTEM No., DESCRIPTION, STATION, and various material codes (EA, CY, LF, LB, etc.). Includes a SHEET TOTAL row at the bottom.

Dist COUNTY ROUTE POST MILES SHEET TOTAL COUNTY TOTAL SHEETS
08 Riv 60 18.8/19.6 109 358
REGISTERED CIVIL ENGINEER DATE 07/01/20
PAUL KOSINSKI No. C 73254 Exp. 12/31/20
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

**DRAINAGE QUANTITIES
DQ-3**

CLAUDE YAVARASKI	REVISOR	DATE
PAUL KOSINSKI	REVISOR	DATE
PAUL KOSINSKI	DESIGNER	DATE
PAUL KOSINSKI	CHECKER	DATE
PAUL KOSINSKI	APPROVER	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	110	358

REGISTERED CIVIL ENGINEER DATE 07/01/20

PAUL KOSINSKI
 No. C 73254
 Exp. 12/31/20
 CIVIL

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

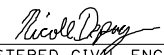
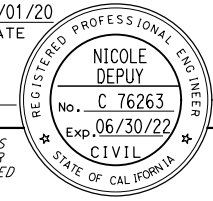
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
D-3	26	b 1 c d	FES 18" RCP 61 DI 58.5	D-3	26	b c d
	27	a b c d	8" AP 45° ELBOW GATE VALVE 8" AP 7.0 12.7		27	a b c d
D-4	13	b	EARTHEN SWALE	D-4	13	b
	18	m	EARTHEN SWALE		18	m
D-5	19	b c d e f g h i j k	Conc TRAPEZOIDAL Chnl WARPED WINGWALLS DOUBLE 3'x5' RCB WARPED WINGWALLS Conc TRAPEZOIDAL Chnl Conc TRAPEZOIDAL Chnl TRANSITION Conc TRAPEZOIDAL Chnl SPLASH WALL PER DD-13, L=40' Conc TRAPEZOIDAL Chnl RSP 182.2 73.1 18.0 124.2 6.8 336.1 9.0 20.0 20.0 5.6	D-5	19	b c d e f g h i j k
	20	a b	24" RCP STRAIGHT HEADWALL 19.8 5.1 250 300		20	a b
	22	a b c d	FES 24" RCP Conc COLLAR REMOVE HEADWALL 1 1 64.32' Lt "S" 1019+98.85 64.32' Lt "S" 1019+99.15		22	a b c d
	25	a b	REMOVE HEADWALL ABANDON 24" RCP 159.0		25	a b
SHEET TOTAL			1 1 6 0 58.5 29.8 19.7 20.0 669.3 1.3 73.1 35.5 9.0 1 0 0 0 6 1,776 0.0 1 1 2,000.0 0.0 30,921 14,595 0.0 116.0 0 0 2 0 0.0 0.0 0 159.0 0.0 1 1 0 0			

DRAINAGE QUANTITIES DQ-4

LAST REVISION DATE PLOTTED => 20-JUL-2020 00-00-00 TIME PLOTTED => 10:38

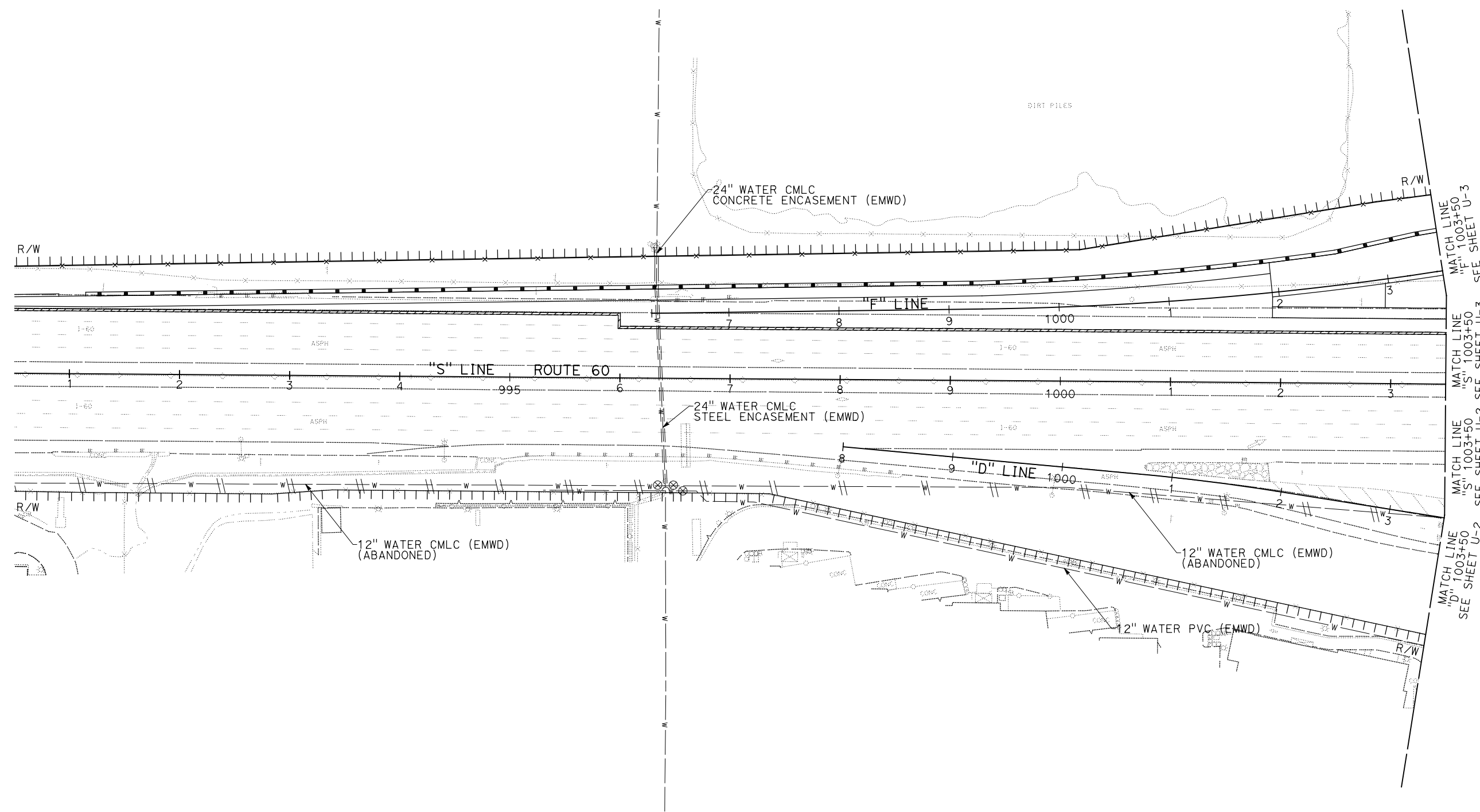
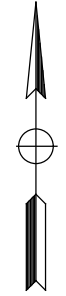
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	112	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

- UTILITY OWNERSHIP ON THIS PROJECT:
 - GAS - SOUTHERN CALIFORNIA GAS (SCG)
 - WATER - EASTERN MUNICIPAL WATER DISTRICT (EMWD)
 - ELECTRIC - SOUTHERN CALIFORNIA EDISON (SCE)
 - ELECTRIC - MORENO VALLEY UTILITY (MVU)
 - TELECOMMUNICATION - FRONTIER (FORMERLY VERIZON)
 - SEWER - EASTERN MUNICIPAL WATER DISTRICT (EMWD)
 - CABLE TV - CHARTER SPECTRUM (CHARTER)
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE STATED.

ABBREVIATIONS

CMLC = CEMENT MORTAR LINED & COATED
 TV = TELEVISION



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	NICOLE DEPUY
REVISED BY	DATE REVISED

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'

U-1

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:06

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- CONTRACTOR TO INSTALL MVU ELECTRICAL SERVICE PER CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.
- CONTRACTOR TO INSTALL EMWD WATERLINE AND RELOCATE AIR AND BLOW OFF VALVE PER EMWD RELOCATION PLANS.
- CONTRACTOR TO INSTALL 4" PLASTIC PIPE FROM EXISTING 12" RECLAIMED WATER LINE TO NEW WATER METER PER EMWD RELOCATION PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	113	358

Nicole Depuy
 REGISTERED CIVIL ENGINEER DATE 07/01/20

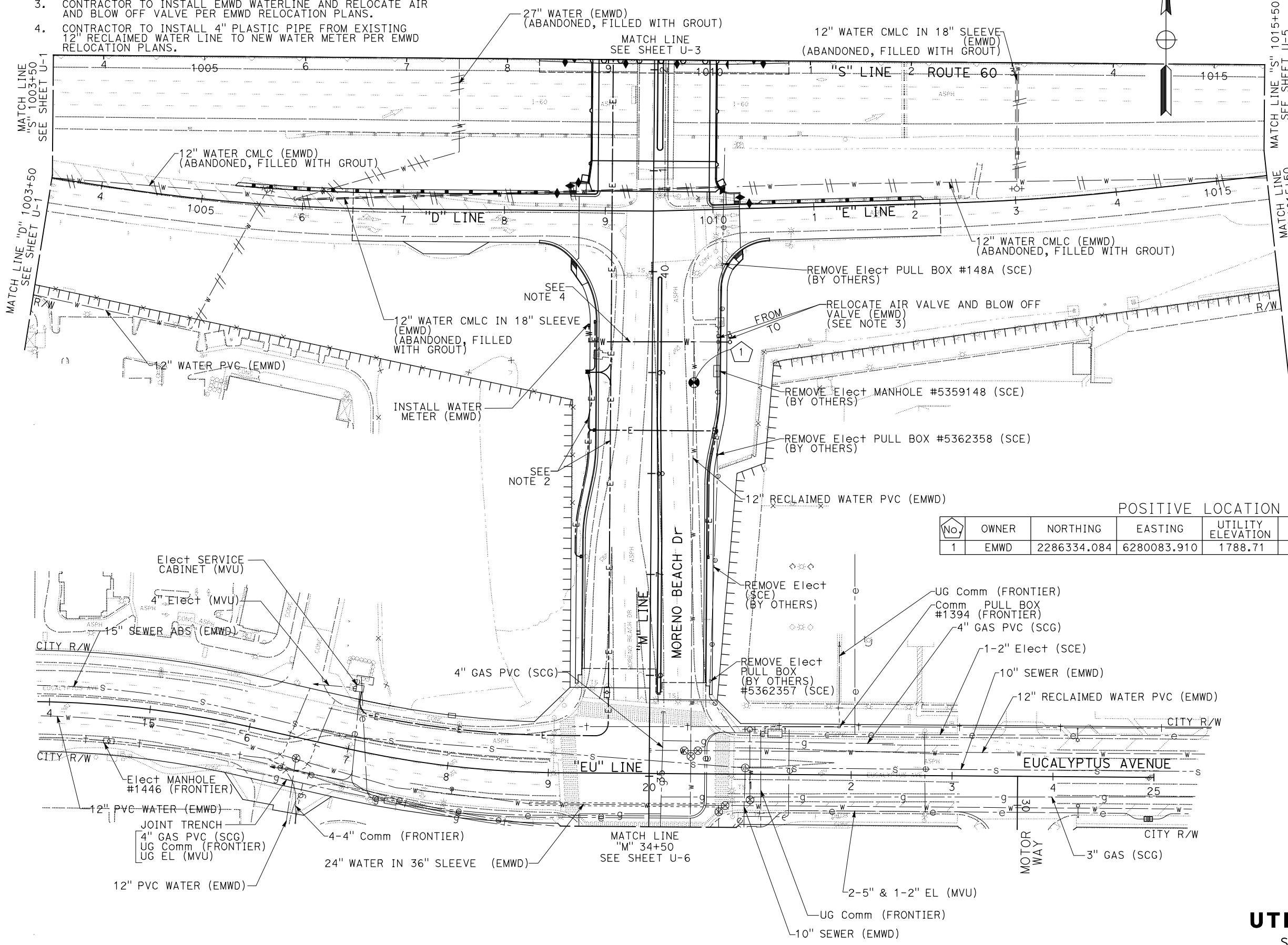
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 NICOLE DEPUY
 No. C 76263
 Exp. 06/30/22
 CIVIL
 STATE OF CALIFORNIA



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CHECKED BY: ERIC ADELMAN, NICOLE DEPUY
 REVISIONS: (None)
 DESIGNED BY: ERIC ADELMAN, NICOLE DEPUY
 DATE REVISED: (None)

UTILITY PLAN
 SCALE: 1" = 50'
U-2

LAST REVISION: DATE PLOTTED => 19-AUG-2020 TIME PLOTTED => 11:54

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 ERIK ADELMAN NICOLE DEPUY
 REVISED BY: DATE REVISED:

NOTES:

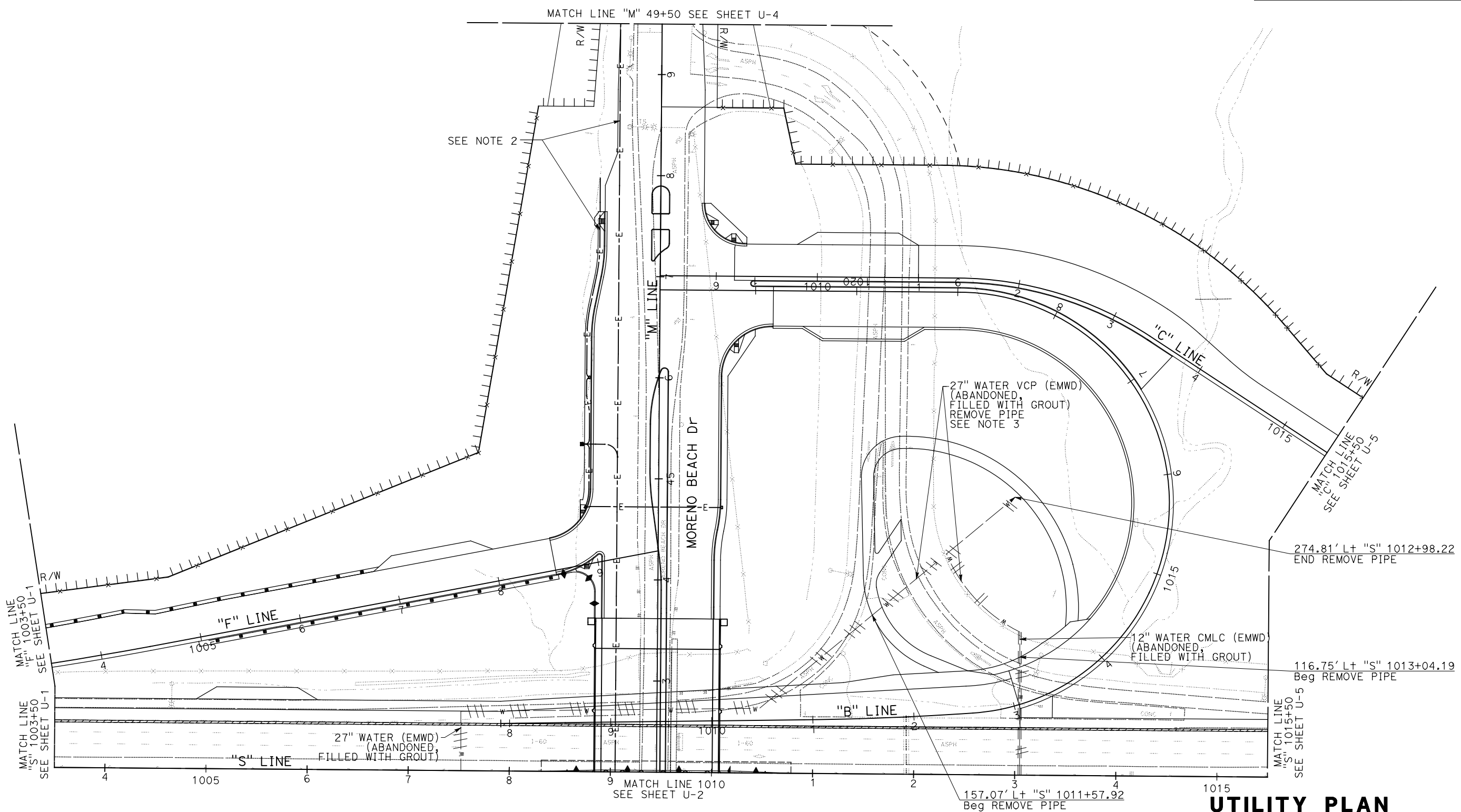
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- CONTRACTOR TO INSTALL MVU ELECTRICAL SERVICE PER CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.
- REMOVE PORTION OF PIPE IN CONFLICT WITH EXCAVATION OPERATIONS AND CAP ENDS WITH TWO-SACK SLURRY CEMENT.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	114	358

REGISTERED CIVIL ENGINEER: *Nicole Depuy* DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'

U-3

LAST REVISION DATE PLOTTED => 20-AUG-2020 00-00-00 TIME PLOTTED => 11:35

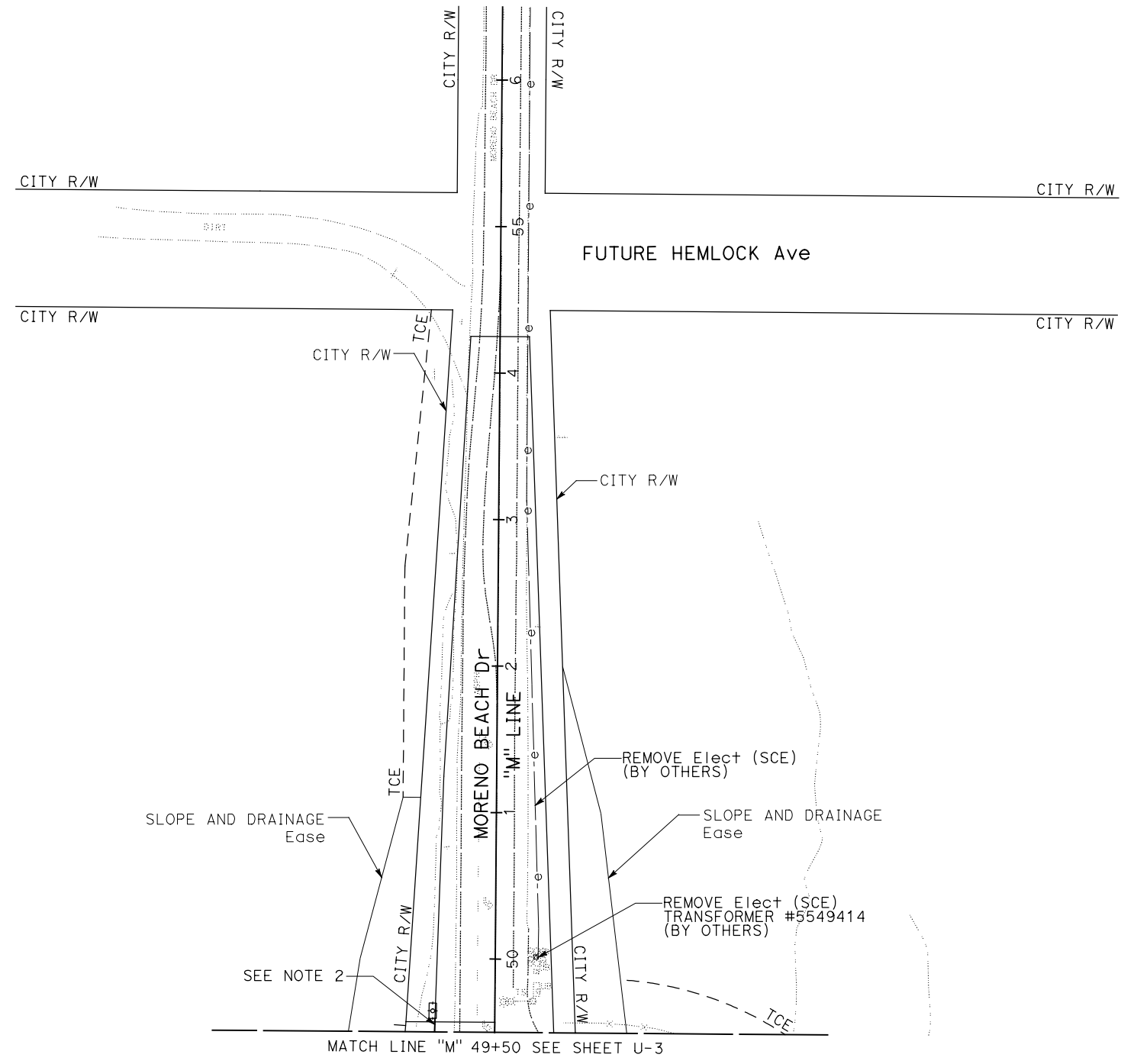
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	115	358
			<i>Nicole Depuy</i> 07/01/20 REGISTERED CIVIL ENGINEER DATE		
			PLANS APPROVAL DATE		
			<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- CONTRACTOR TO INSTALL MVU ELECTRICAL SERVICE PER CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
ERIK ADELMAN	NICOLE DEPUY
REVISED BY	DATE REVISED

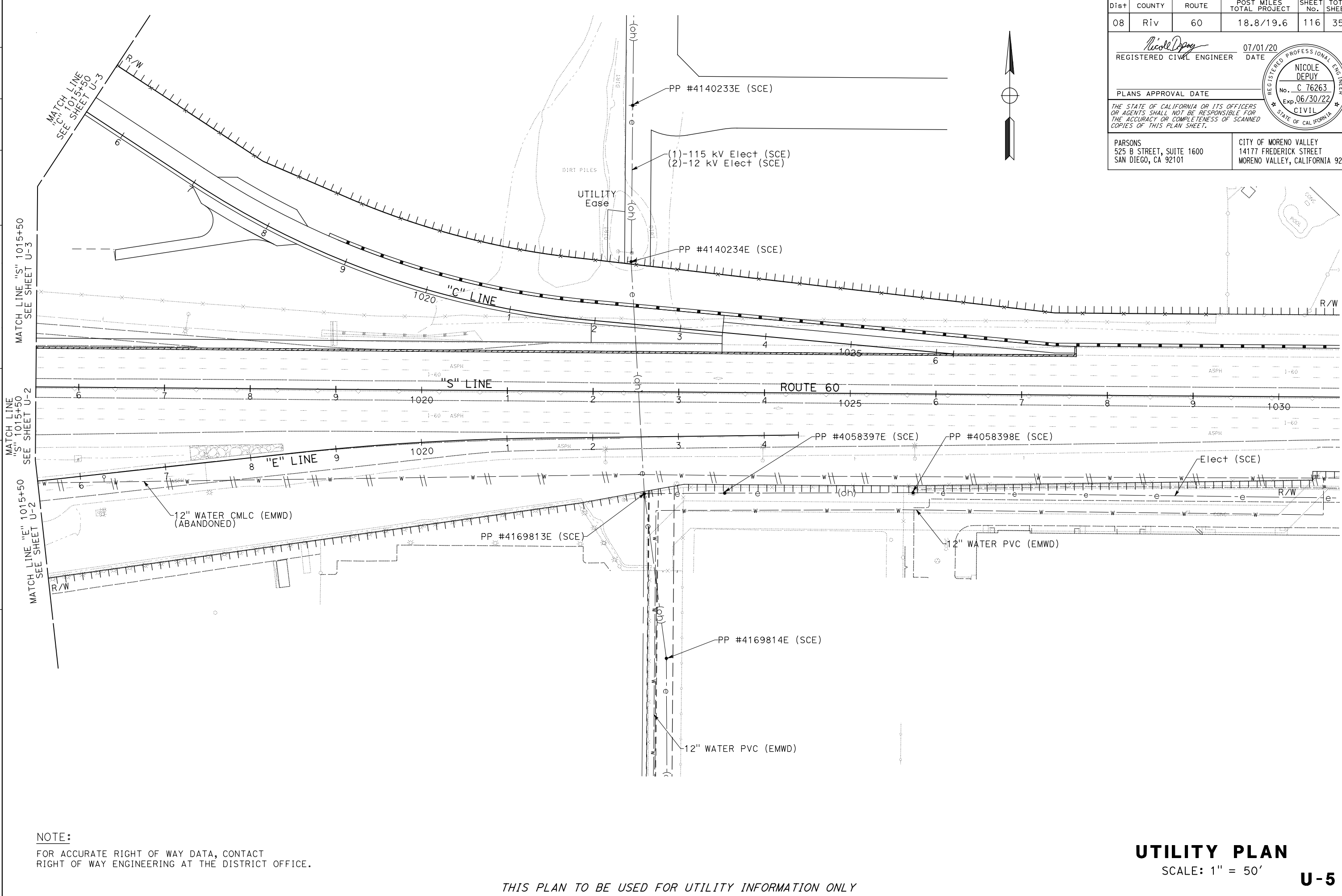


THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

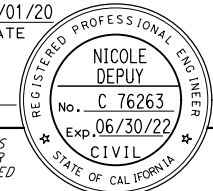
UTILITY PLAN
SCALE: 1" = 50'

U-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	116	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'
U-5

LAST REVISION: 00-00-00 DATE PLOTTED => 20-AUG-2020 TIME PLOTTED => 11:35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 ERIC ADELMAN NICOLE DEPUY
 REVISED BY: DATE REVISED:

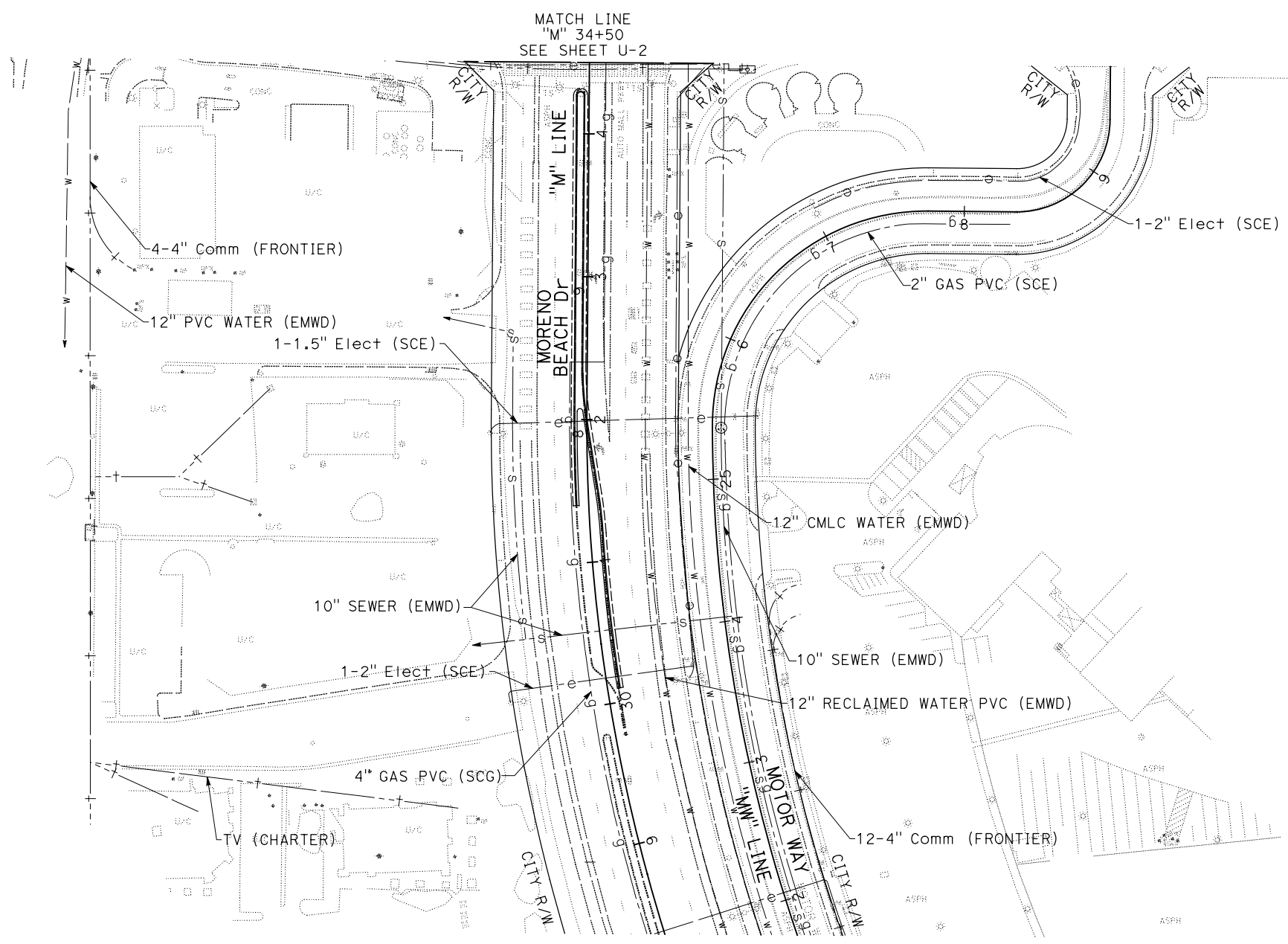
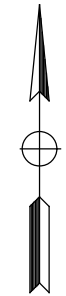
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	117	358

REGISTERED CIVIL ENGINEER: *Nicole Depuy* DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 REGISTERED PROFESSIONAL ENGINEER: NICOLE DEPUY
 No. C 76263
 Exp. 06/30/22
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'
U-6

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:07

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	118	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLAN'S APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

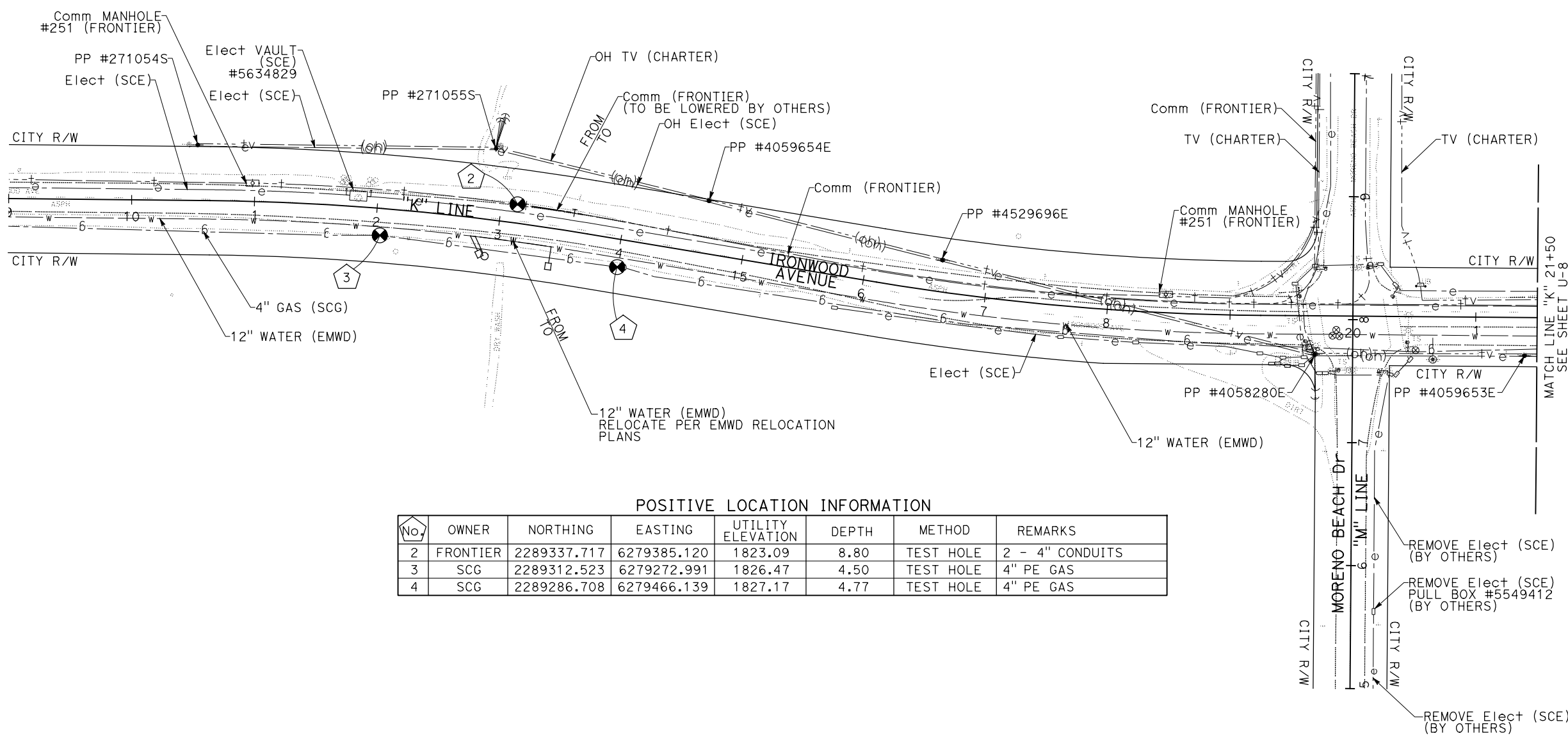
REGISTERED PROFESSIONAL ENGINEER
 NICOLE DEPUY
 No. C 76263
 Exp. 06/30/22
 CIVIL
 STATE OF CALIFORNIA

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 ERIK ADELMAN
 NICOLE DEPUY
 REVISED BY
 DATE REVISED



POSITIVE LOCATION INFORMATION

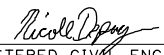
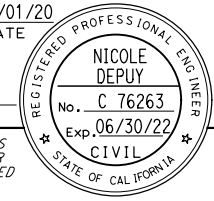
No.	OWNER	NORTHING	EASTING	UTILITY ELEVATION	DEPTH	METHOD	REMARKS
2	FRONTIER	2289337.717	6279385.120	1823.09	8.80	TEST HOLE	2 - 4" CONDUITS
3	SCG	2289312.523	6279272.991	1826.47	4.50	TEST HOLE	4" PE GAS
4	SCG	2289286.708	6279466.139	1827.17	4.77	TEST HOLE	4" PE GAS

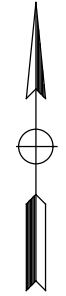
UTILITY PLAN
SCALE: 1" = 50'

U-7

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

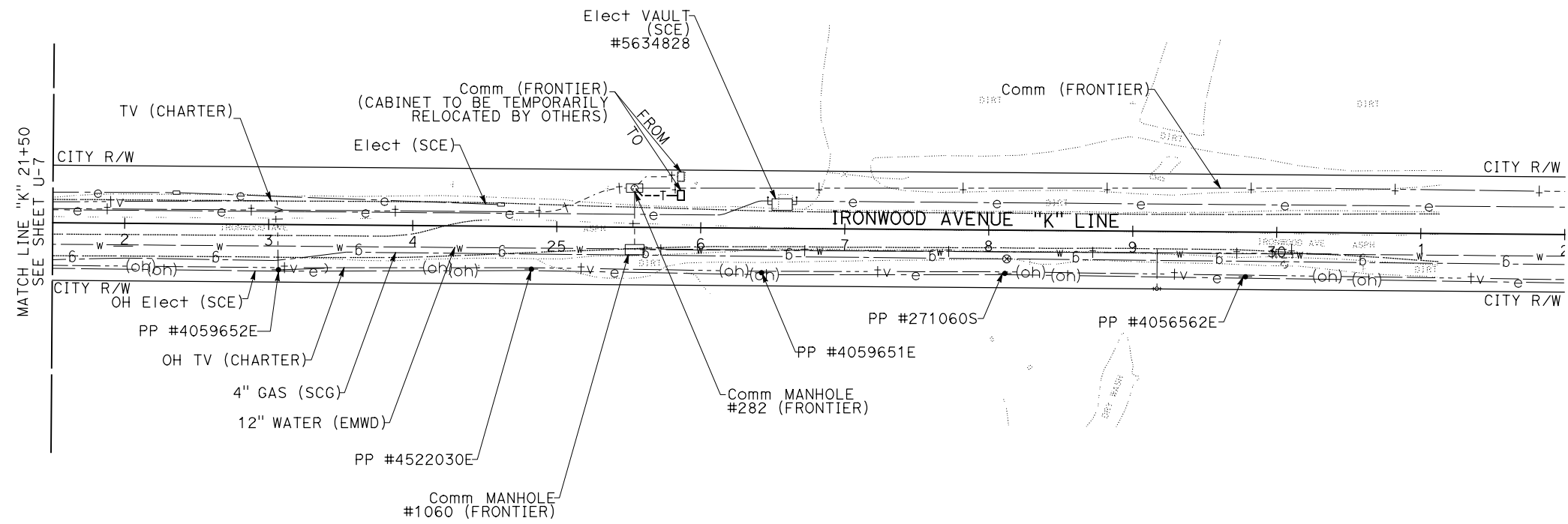
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	119	358
 REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE _____					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	ERIK ADELMAN	REVISOR	ERIK ADELMAN
Caltrans		CONSULTANT	NICOLE DEPUY	DESIGNED BY	NICOLE DEPUY
		CHECKED BY		DATE	



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1" = 50'

U-8

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:07

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

ERIK ADELMAN
 NICOLE DEPUY

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	120	358

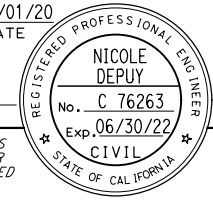
Nicole Depuy 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



UTILITY QUANTITIES

SHEET No.	STATION	LOCATION	INSTALL WATER METER	REMOVE PIPE	4" PLASTIC PIPE	RELOCATE AIR VALVE	RELOCATE BLOW OFF VALVE
			EA	LF	LF	EA	EA
U-2	"M" 39+30	Lt/Rt			119	1	1
U-2	"M" 39+45	L+	1				
U-3	"M" 42+74	R+		316			

UTILITY QUANTITIES

NO SCALE

UQ-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	121	358

REGISTERED CIVIL ENGINEER *Maria Wilson* DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

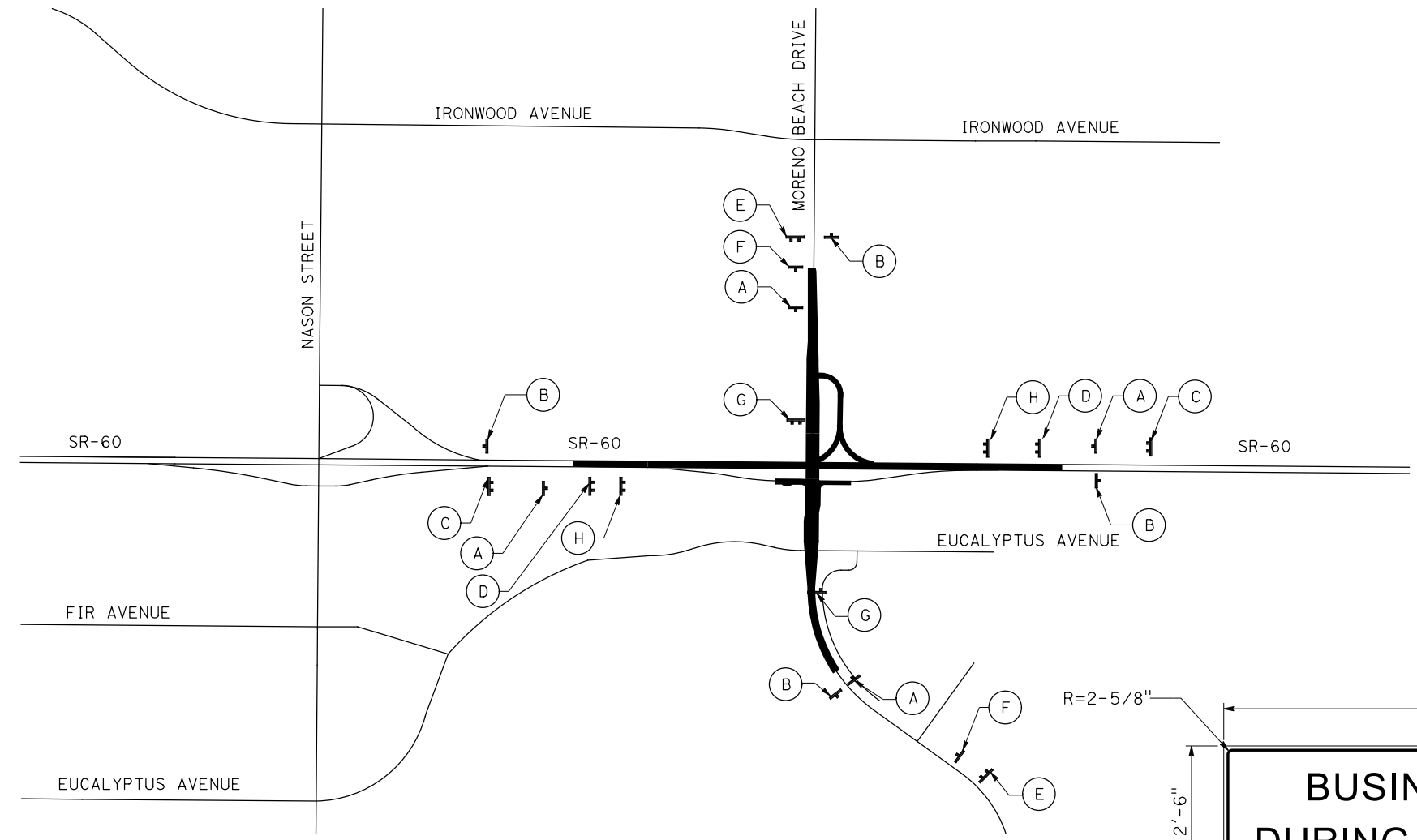
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY ENGINEER.
2. REMOVE OR COVER ALL CONFLICTING SIGNING AS DIRECTED BY THE ENGINEER.
3. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE MOTORIST INFORMATION AND TRAFFIC HANDLING SHEETS.
4. THE CONTRACTOR SHALL PROVIDE 15 PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) FOR USE AS REQUIRED DURING CONSTRUCTION. EXACT LOCATION AND MESSAGE ON THE PCMS TO BE DETERMINED BY THE ENGINEER.
5. CITY PROJECT SIGNS (PROJECT COMPLETION), SIGN CODE (F) SHALL BE INSTALLED UPON COMPLETION OF MAJOR CONSTRUCTION AND REMOVED 2-WEEKS AFTER INSTALLATION.
6. CONSTRUCTION AREA SIGNS SHALL BE TYPE XI RETROREFLECTIVE.

LEGEND

- (X) CONSTRUCTION AREA SIGN
- ┆ SIGN (1 POST)
- ┆ SIGN (2 POST)
- █ PROJECT CONSTRUCTION AREA



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SYMBOL	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS	REFERENCE
(A)	W20-1	ROAD WORK AHEAD	48" x 48"	1 - 6" x 6"	4	CA MUTCD
(B)	G20-2(MOD)	END ROAD WORK	48" x 24"	1 - 6" x 6"	4	CA MUTCD
(C)	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144" x 60"	2 - 6" x 8"	2	CA MUTCD
(D)	C48(CA)	PROJECT IDENTIFICATION & FUNDING SIGN	132" x 78"	2 - 6" x 8"	2	CA MUTCD
(E)	SPECIAL	CONSTRUCTION INFORMATION SIGN (CITY)	96" x 60"	2 - 6" x 6"	2	CA MUTCD
(F)	SPECIAL	PROJECT COMPLETION SIGN (CITY)	48" x 30"	1 - 4" x 6"	2	CA MUTCD
(G)	SPECIAL	TRANSPORTATION UNIFORM MITIGATION FEE SIGN*	96" x 48"	2 - 6" x 6"	2	FURNISHED
(H)	SPECIAL	BUSINESSES OPEN DURING CONSTRUCTION	120" x 30"	2 - 4" x 6"	2	SEE DETAIL ABOVE

NOTES:

BLACK LETTERING ON ORANGE BACKGROUND
SIGN SHALL BE OF ENGINEERING GRADE REFLECTIVE SHEETING

BUSINESSES OPEN DURING CONSTRUCTION SIGN DETAIL

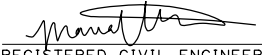
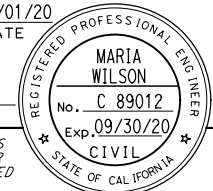
CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY DATE REVISED
 MARIA WILSON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	122	358
 REGISTERED CIVIL ENGINEER DATE 07/01/20					
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

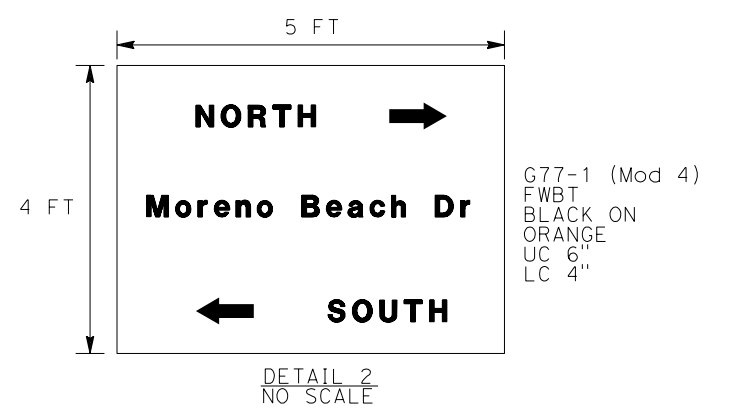
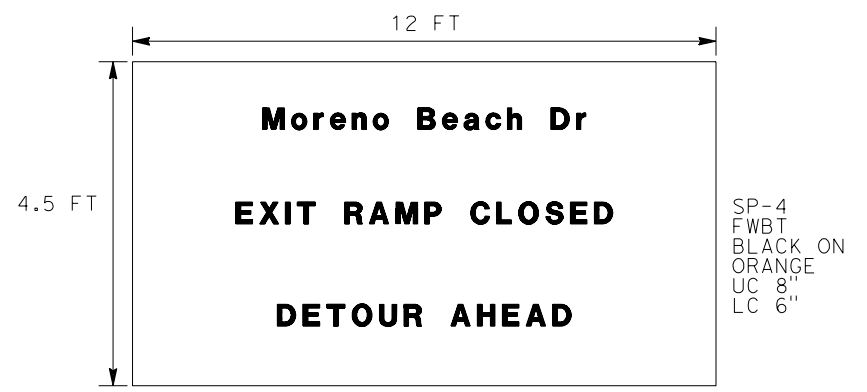
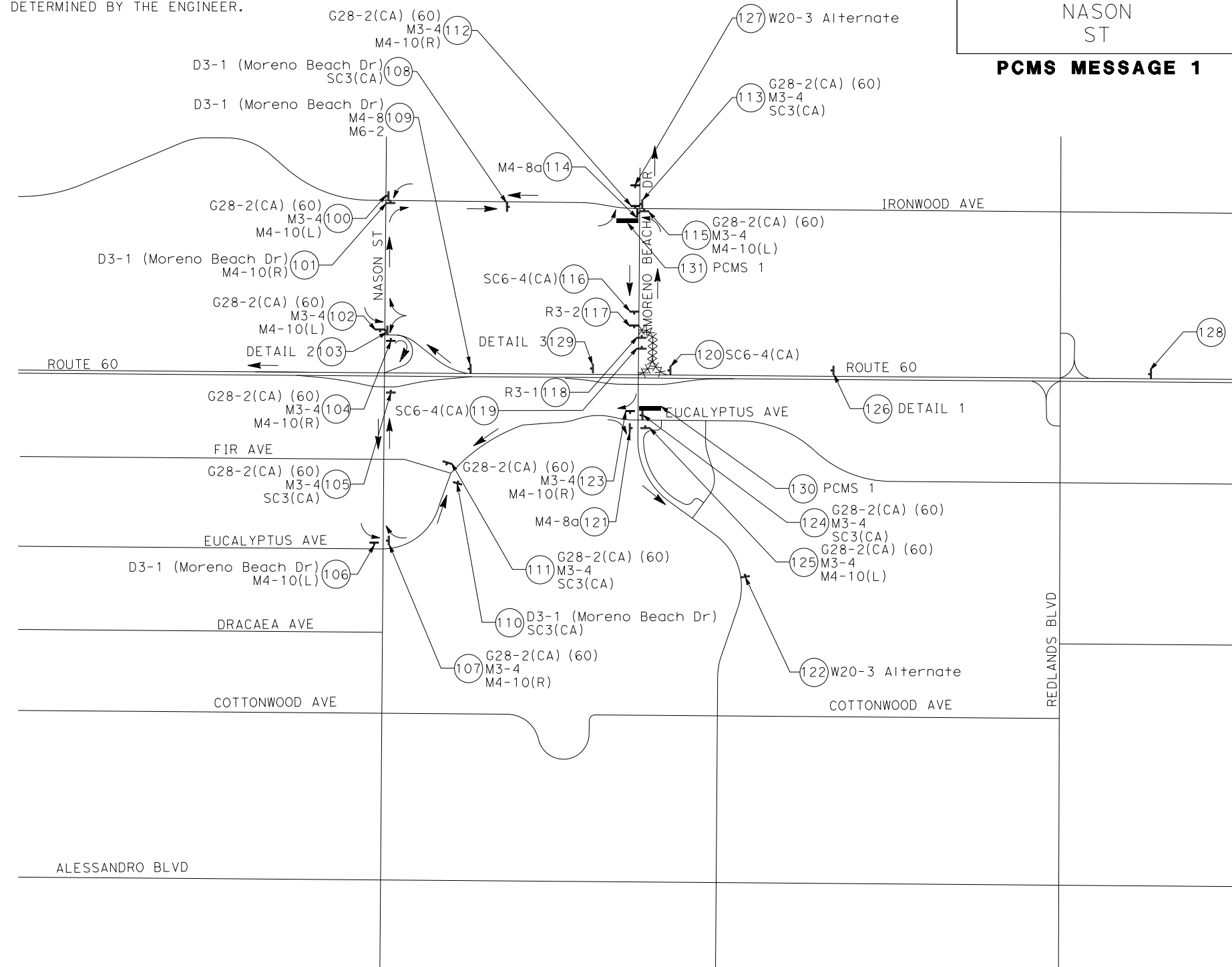
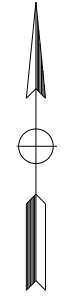
NOTES:

1. PLACE SC6-4 (CA) SIGN 7 TO 15 DAYS IN ADVANCE OF RAMP CLOSURE.
2. REFER TO STANDARD PLAN T14 FOR RAMP CLOSURE.
3. EXACT MESSAGE TO BE DISPLAYED ON PCMS WILL BE DETERMINED BY THE ENGINEER.

WB 60FWY
RAMP
CLOSED

USE
NASON
ST

PCMS MESSAGE 1



DETOUR PLAN No. 1

DETOUR FOR WB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE

1. WB ROUTE 60
2. WB NASON STREET OFF-RAMP
3. NB NASON STREET
4. EB IRONWOOD AVENUE
5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 2

DETOUR FOR WB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE

1. WB ROUTE 60
2. WB NASON STREET OFF-RAMP
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 3

DETOUR FOR NB MORENO BEACH DRIVE TO WB ROUTE 60 ON-RAMP

1. NB MORENO BEACH DRIVE
2. WB IRONWOOD AVENUE
3. SB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

DETOUR PLAN No. 4

DETOUR FOR SB MORENO BEACH DRIVE TO WB ROUTE 60 ON-RAMP

1. SB MORENO BEACH DRIVE
2. WB EUCALYPTUS AVENUE
3. NB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

**MOTORIST INFORMATION PLAN
ROUTE 60 WB ON/OFF RAMP
CLOSURE AT MORENO BEACH DR
MI-1**

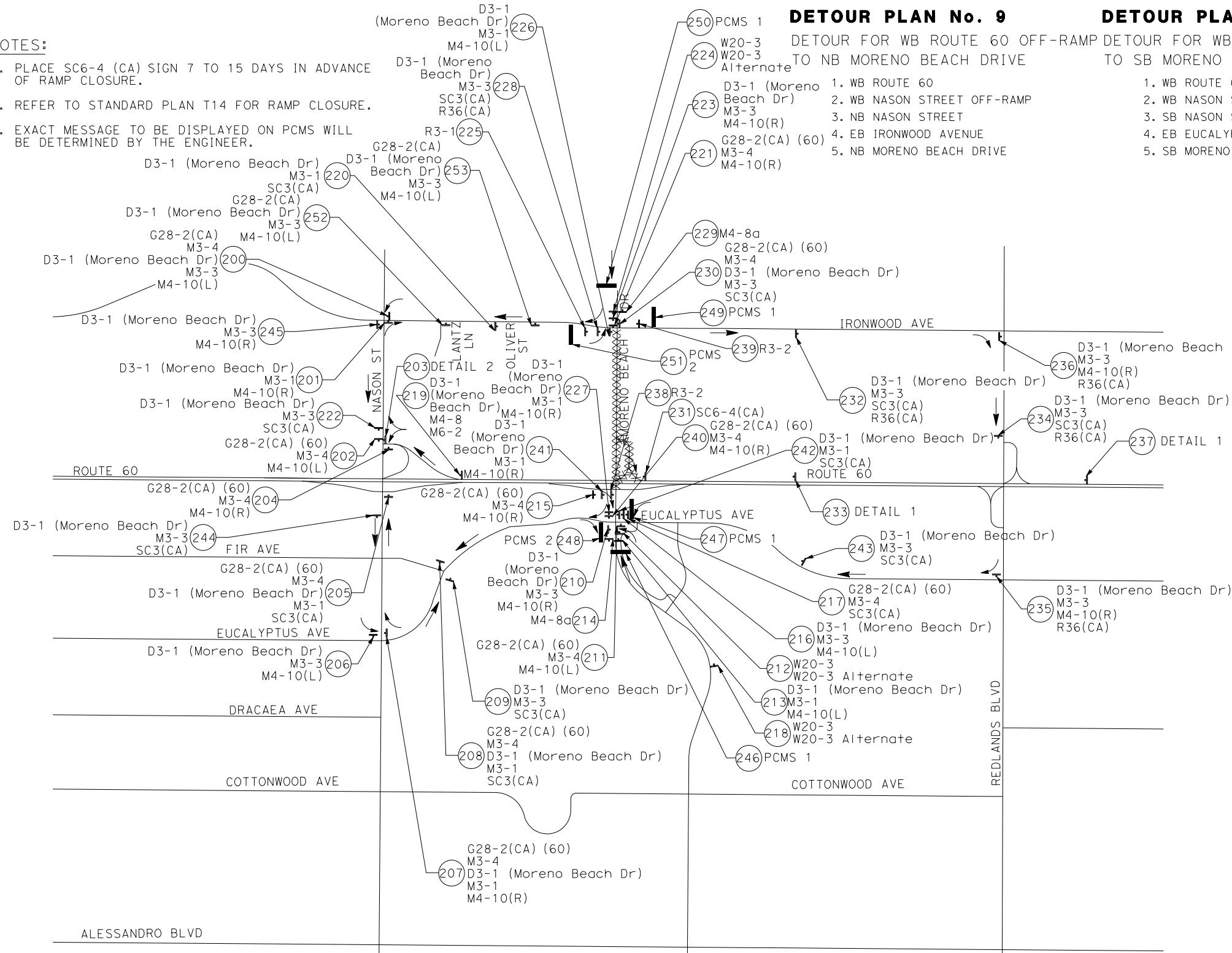
NO SCALE

APPROVED FOR MOTORIST INFORMATION ONLY

STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans		
CONSULTANT SUPERVISOR	NICOLE DEPUY	
CALCULATED-DESIGNED BY	CHECKED BY	
MARIA WILSON	CHRISTOPHER COMMONS	
REVISOR	DATE	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY DATE REVISED

- NOTES:**
1. PLACE SC6-4 (CA) SIGN 7 TO 15 DAYS IN ADVANCE OF RAMP CLOSURE.
 2. REFER TO STANDARD PLAN T14 FOR RAMP CLOSURE.
 3. EXACT MESSAGE TO BE DISPLAYED ON PCMS WILL BE DETERMINED BY THE ENGINEER.



DETOUR PLAN No. 9

- DETOUR FOR WB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE
1. WB ROUTE 60
 2. WB NASON STREET OFF-RAMP
 3. NB NASON STREET
 4. EB IRONWOOD AVENUE
 5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 10

- DETOUR FOR WB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE
1. WB ROUTE 60
 2. WB NASON STREET OFF-RAMP
 3. SB NASON STREET
 4. EB EUCALYPTUS AVENUE
 5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 5

DETOUR FOR SB MORENO BEACH DRIVE AT IRONWOOD AVENUE

1. SB MORENO BEACH DRIVE
2. WB IRONWOOD AVENUE
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 6

DETOUR FOR EB IRONWOOD AVENUE TO SB MORENO BEACH DRIVE (NO TRUCKS ALLOWED)

1. EB IRONWOOD AVENUE
2. SB REDLANDS BOULEVARD
3. WB EUCALYPTUS AVENUE
4. SB MORENO BEACH DRIVE

DETOUR PLAN No. 7

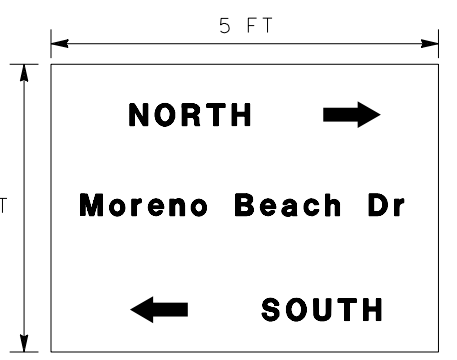
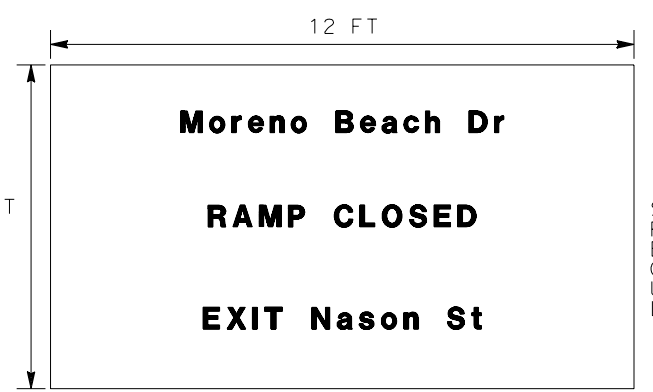
DETOUR FOR WB IRONWOOD AVENUE TO SB MORENO BEACH DRIVE

1. WB IRONWOOD AVENUE
2. SB NASON STREET
3. EB EUCALYPTUS AVENUE
4. SB MORENO BEACH DRIVE

DETOUR PLAN No. 8

DETOUR FOR EB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE

1. EB MORENO BEACH DRIVE OFF-RAMP
2. SB MORENO BEACH DRIVE
3. WB EUCALYPTUS AVENUE
4. NB NASON STREET
5. EB IRONWOOD AVENUE
6. NB MORENO BEACH DRIVE



MORENO CLOSED AT 60FWY

USE NASON ST

PCMS MESSAGE 1

MORENO CLOSED AT 60FWY

USE REDLANDS NOTRUCKS

PCMS MESSAGE 2

MOTORIST INFORMATION PLAN
ROUTE 60 WB ON/OFF RAMP
CLOSURE AT MORENO BEACH DR
AND MORENO BEACH DR CLOSURE
 NO SCALE **MI-2**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	123	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 MARIA WILSON No. C 89012 Exp. 09/30/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

- NOTES:**
- FOR DETOUR PLANS FOR THIS MOTORIST INFORMATION PLAN, SEE MI-4.
 - PLACE SC6-4 (CA) SIGN 7 TO 15 DAYS IN ADVANCE OF RAMP CLOSURE.
 - REFER TO STANDARD PLAN T14 FOR RAMP CLOSURE.
 - EXACT MESSAGE TO BE DISPLAYED ON PCMS WILL BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	124	358

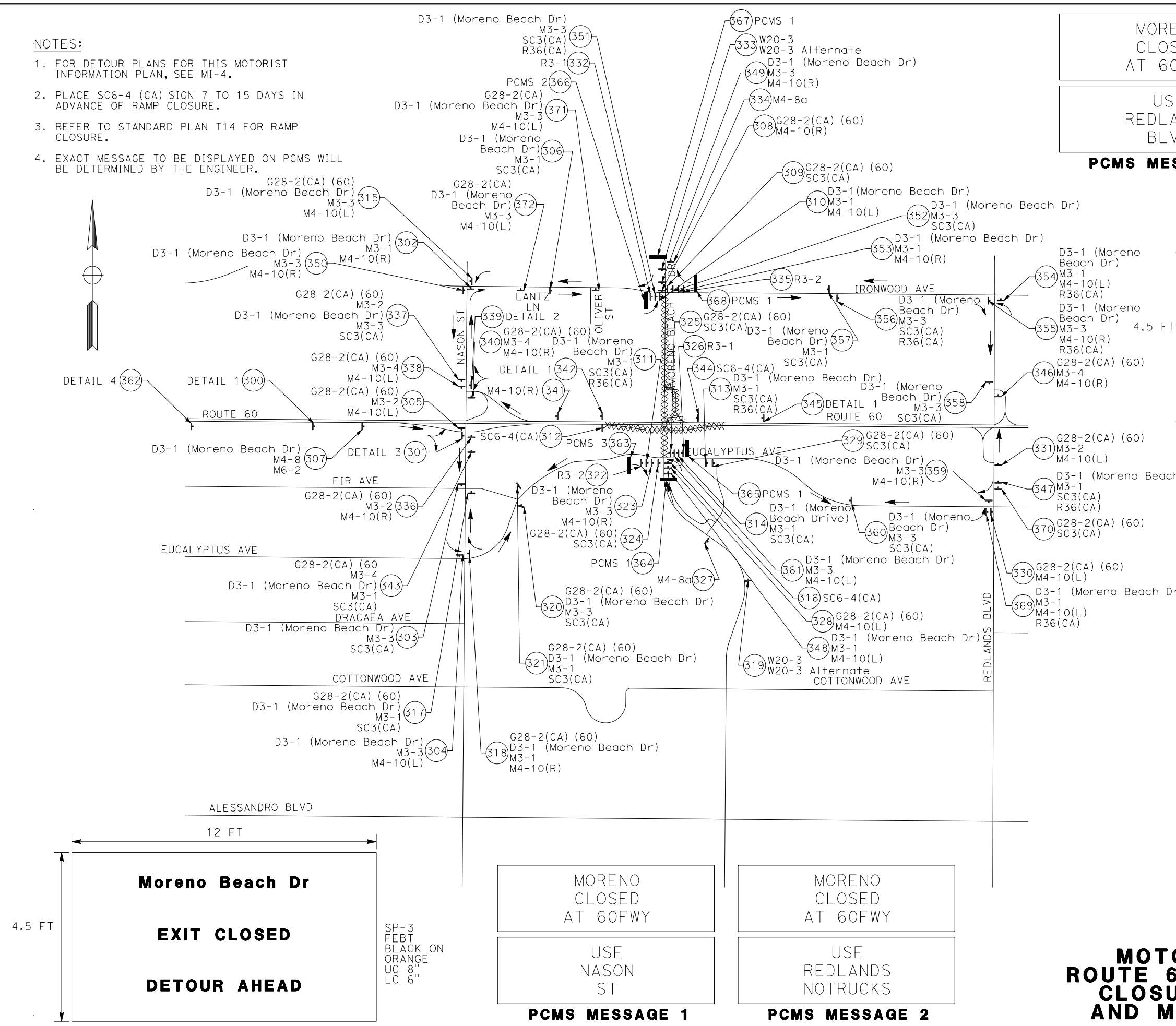
07/01/20
 REGISTERED CIVIL ENGINEER DATE
MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

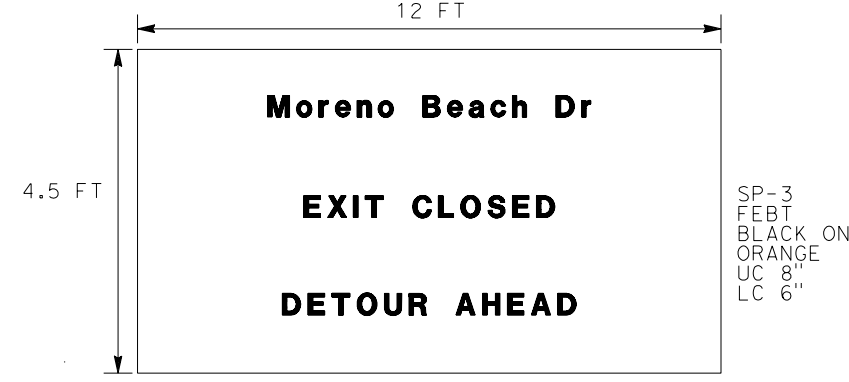
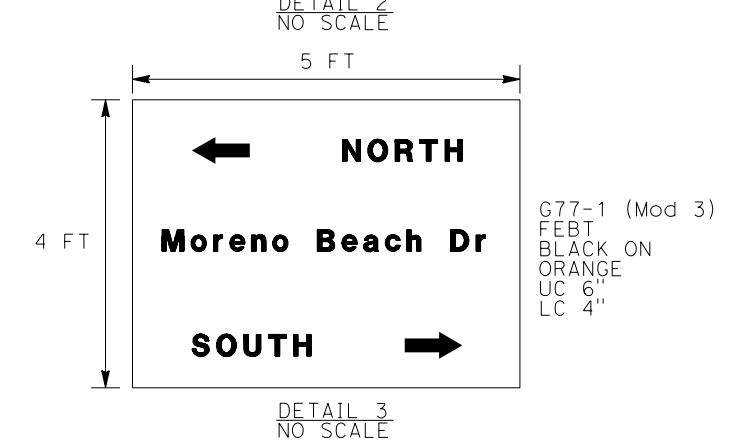
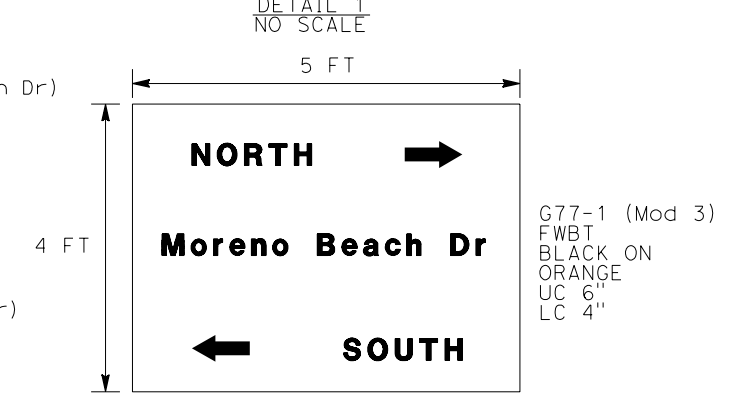
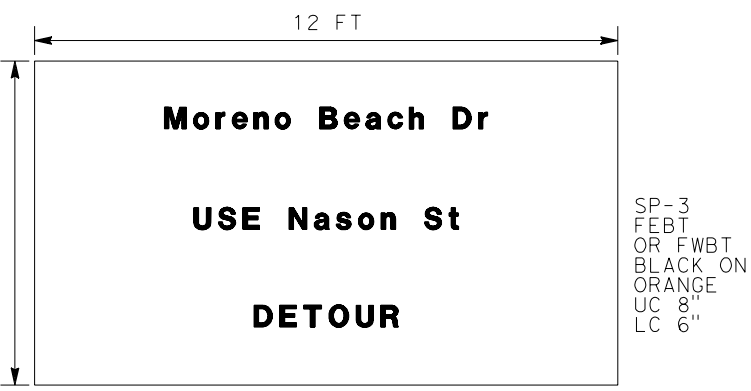
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CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



MORENO CLOSED AT 60FWY
 USE REDLANDS BLVD
PCMS MESSAGE 3



MORENO CLOSED AT 60FWY
 USE NASON ST
PCMS MESSAGE 1


MORENO CLOSED AT 60FWY
 USE REDLANDS NOTRUCKS
PCMS MESSAGE 2

**MOTORIST INFORMATION PLAN
 ROUTE 60 WB AND EB ON/OFF RAMP
 CLOSURE AT MORENO BEACH DR
 AND MORENO BEACH DR CLOSURE
 MI-3**

APPROVED FOR MOTORIST INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 MARIA WILSON
 CHRISTOPHER COMMONS
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	125	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE _____

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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DETOUR PLAN No. 11

DETOUR FOR SB MORENO BEACH DRIVE AT IRONWOOD AVENUE

1. SB MORENO BEACH DRIVE
2. WB IRONWOOD AVENUE
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 12

DETOUR FOR EB IRONWOOD AVENUE TO SB MORENO BEACH DRIVE (NO TRUCKS)

1. EB IRONWOOD AVENUE
2. SB REDLANDS BOULEVARD
3. WB EUCALYPTUS AVENUE
4. SB MORENO BEACH DRIVE

DETOUR PLAN No. 13

DETOUR FOR WB IRONWOOD AVENUE TO SB MORENO BEACH DRIVE

1. WB IRONWOOD AVENUE
2. SB NASON STREET
3. EB EUCALYPTUS AVENUE
4. SB MORENO BEACH DRIVE

DETOUR PLAN No. 14

DETOUR FOR NB MORENO BEACH DRIVE AT EUCALYPTUS AVENUE

1. NB MORENO BEACH DRIVE
2. WB EUCALYPTUS AVE
3. NB NASON STREET
4. EB IRONWOOD AVENUE
5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 15

DETOUR FOR EB IRONWOOD AVENUE TO NB MORENO BEACH DRIVE (NO TRUCKS ALLOWED)

1. EB EUCALYPTUS AVENUE
2. NB REDLANDS BOULEVARD
3. WB IRONWOOD AVENUE
4. NB MORENO BEACH DRIVE

DETOUR PLAN No. 16

DETOUR FOR WB EUCALYPTUS AVENUE TO NB MORENO BEACH DRIVE

1. WB EUCALYPTUS AVENUE
2. NB NASON STREET
3. EB IRONWOOD AVENUE
4. NB MORENO BEACH DRIVE

DETOUR PLAN No. 17

DETOUR FOR WB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE

1. WB ROUTE 60
2. WB NASON STREET OFF-RAMP
3. NB NASON STREET
4. EB IRONWOOD AVENUE
5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 18

DETOUR FOR WB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE

1. WB ROUTE 60
2. WB NASON STREET OFF-RAMP
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 19

DETOUR FOR EB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE

1. EB ROUTE 60
2. EB NASON STREET OFF-RAMP
3. NB NASON STREET
4. EB IRONWOOD AVENUE
5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 20

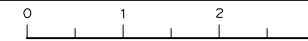
DETOUR FOR EB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE

1. EB ROUTE 60
2. EB NASON STREET OFF-RAMP
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. SB MORENO BEACH DRIVE

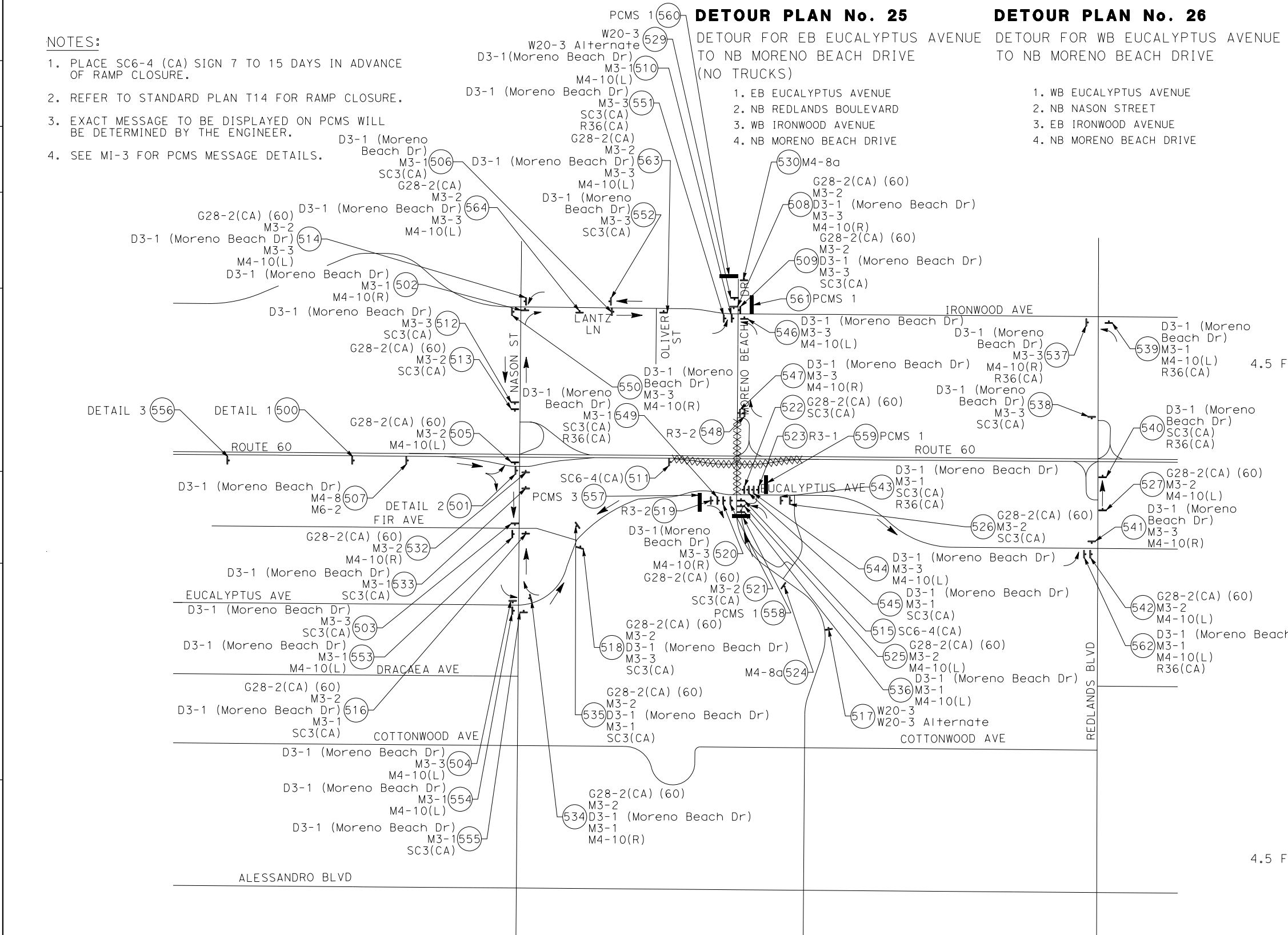
MOTORIST INFORMATION PLAN
ROUTE 60 EB AND WB ON/OFF RAMP
CLOSURE AT MORENO BEACH DR
AND MORENO BEACH DR CLOSURE
MI-4

APPROVED FOR MOTORIST INFORMATION ONLY

NO SCALE



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H



- NOTES:**
1. PLACE SC6-4 (CA) SIGN 7 TO 15 DAYS IN ADVANCE OF RAMP CLOSURE.
 2. REFER TO STANDARD PLAN T14 FOR RAMP CLOSURE.
 3. EXACT MESSAGE TO BE DISPLAYED ON PCMS WILL BE DETERMINED BY THE ENGINEER.
 4. SEE MI-3 FOR PCMS MESSAGE DETAILS.

DETOUR PLAN No. 25

- DETOUR FOR EB EUCALYPTUS AVENUE TO NB MORENO BEACH DRIVE (NO TRUCKS)
1. EB EUCALYPTUS AVENUE
 2. NB REDLANDS BOULEVARD
 3. WB IRONWOOD AVENUE
 4. NB MORENO BEACH DRIVE

DETOUR PLAN No. 26

- DETOUR FOR WB EUCALYPTUS AVENUE TO NB MORENO BEACH DRIVE
1. WB EUCALYPTUS AVENUE
 2. NB NASON STREET
 3. EB IRONWOOD AVENUE
 4. NB MORENO BEACH DRIVE

DETOUR PLAN No. 21

- DETOUR FOR EB ROUTE 60 OFF-RAMP TO NB MORENO BEACH DRIVE
1. EB ROUTE 60
 2. EB NASON STREET OFF-RAMP
 3. NB NASON STREET
 4. EB IRONWOOD AVENUE
 5. NB MORENO BEACH DRIVE

DETOUR PLAN No. 22

- DETOUR FOR EB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE
1. EB ROUTE 60
 2. EB NASON STREET OFF-RAMP
 3. SB NASON STREET
 4. EB EUCALYPTUS AVENUE
 5. SB MORENO BEACH DRIVE

DETOUR PLAN No. 23

- DETOUR FOR WB ROUTE 60 OFF-RAMP TO SB MORENO BEACH DRIVE
1. WB MORENO DRIVE OFF-RAMP
 2. NB MORENO BEACH DRIVE
 3. WB IRONWOOD AVENUE
 4. SB NASON STREET
 5. EB EUCALYPTUS AVENUE
 6. SB MORENO BEACH DRIVE

DETOUR PLAN No. 24

- DETOUR FOR NB MORENO BEACH DRIVE AT EUCALYPTUS AVENUE
1. NB MORENO BEACH DRIVE
 2. WB EUCALYPTUS AVE
 3. NB NASON STREET
 4. EB IRONWOOD AVENUE
 5. NB MORENO BEACH DRIVE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	126	358

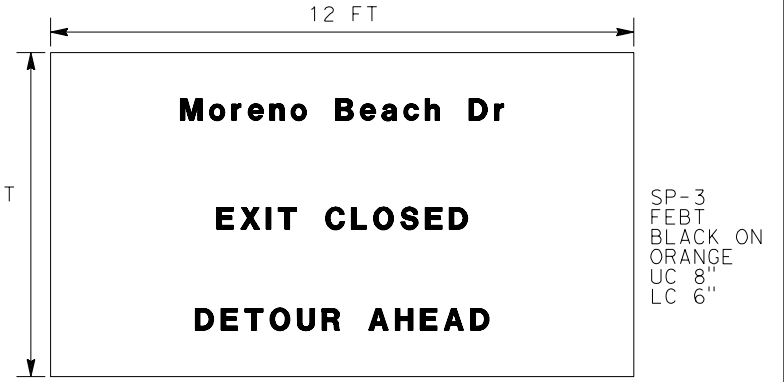
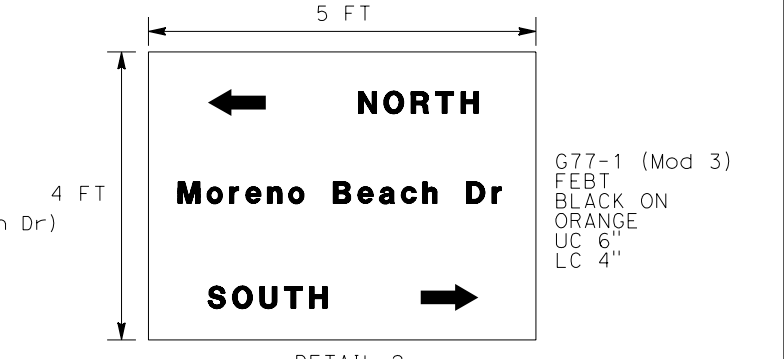
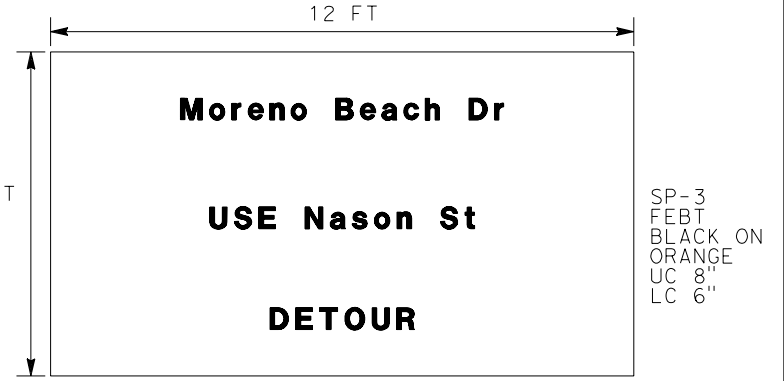
REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

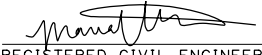
CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



MOTORIST INFORMATION PLAN
ROUTE 60 EB ON/OFF RAMP
CLOSURE AT MORENO BEACH DR
AND MORENO BEACH DR CLOSURE
 MI-5

NO SCALE

APPROVED FOR MOTORIST INFORMATION ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	127	358
 REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

1. INSTALL ADVANCE NOTICE PCMS AT PCMS LOCATIONS ALONG ROUTE 60 SHOWN AT LEAST 2 WEEKS PRIOR TO CLOSURE.
2. COORDINATE WITH CALTRANS TMC TO UTILIZE CALTRANS CMS SIGNS DURING CLOSURES.
3. FOR DETOUR PLANS FOR THIS MOTORIST INFORMATION PLAN, SEE MI-7.
4. REFER TO STANDARD PLAN T10A FOR FULL FREEWAY CLOSURE.

60FWY
CLSD AT
MORENO

60FWY
CLSD AT
MORENO

60FWY
CLSD AT
MORENO

60FWY
CLSD AT
MORENO

EXIT
AT
REDLANDS

EXIT
AT
NASON ST

XX
TO
XX

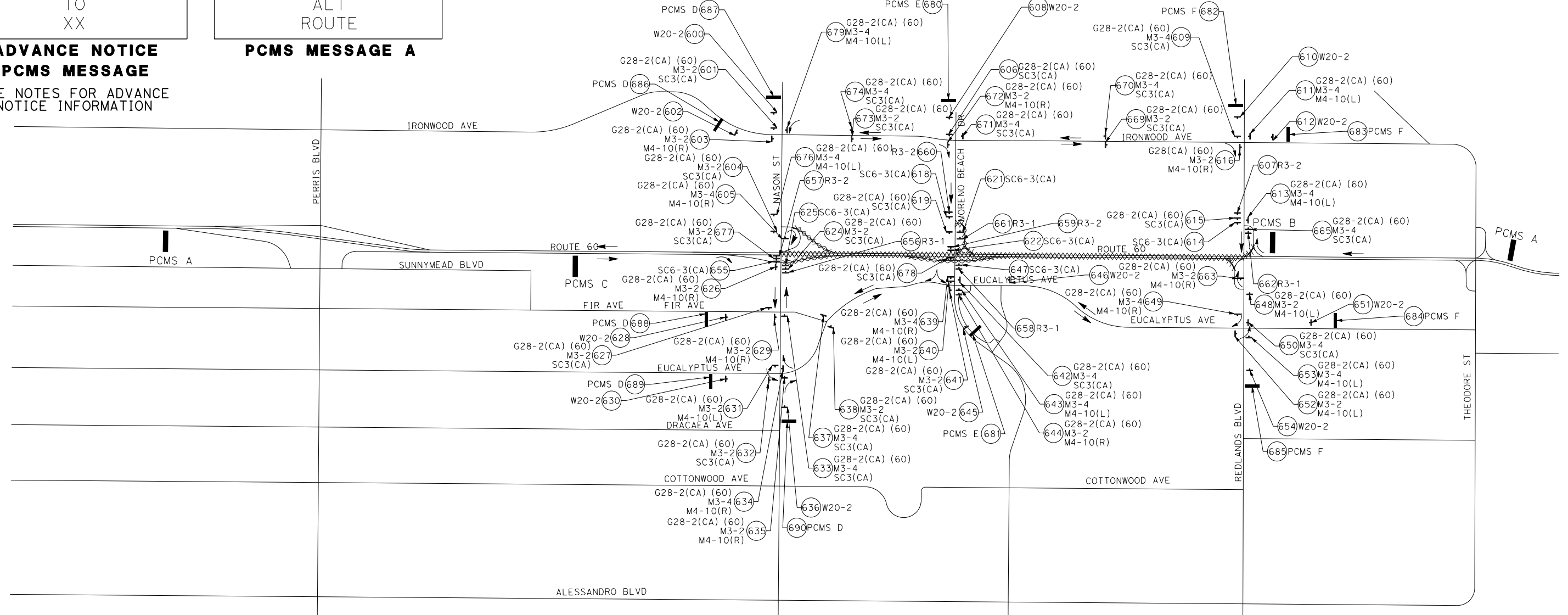
USE
ALT
ROUTE

**ADVANCE NOTICE
PCMS MESSAGE**
SEE NOTES FOR ADVANCE
NOTICE INFORMATION

PCMS MESSAGE A

PCMS MESSAGE B

PCMS MESSAGE C



EB 60FWY
CLOSED

60 FWY
CLOSED

WB 60FWY
CLOSED

USE
EUCLPTUS
AVE

USE
EUCLPTUS
AVE

USE
EUCLPTUS
AVE

PCMS MESSAGE D

PCMS MESSAGE E

PCMS MESSAGE F

**MOTORIST INFORMATION PLAN
FULL ROUTE 60 CLOSURE BETWEEN
NASON ST AND REDLANDS BLVD
MI-6**


NO SCALE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	MARIA WILSON	REVISED BY
		NICOLE DEPUY	CHECKED BY	CHRISTOPHER COMMONS	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	128	358

 07/01/20
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PLANS APPROVAL DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

DETOUR PLAN No. 27
 OVERNIGHT CLOSURE FOR EB ROUTE 60 BETWEEN NASON STREET AND REDLANDS BOULEVARD

1. EB ROUTE 60
2. EB NASON STREET OFF-RAMP
3. SB NASON STREET
4. EB EUCALYPTUS AVENUE
5. NB REDLANDS BOULEVARD
6. EB REDLANDS BOULEVARD ON-RAMP
7. EB ROUTE 60

DETOUR PLAN No. 28
 OVERNIGHT CLOSURE FOR WB ROUTE 60 BETWEEN REDLANDS BOULEVARD AND NASON STREET

1. WB ROUTE 60
2. WB REDLANDS BOULEVARD OFF-RAMP
3. SB REDLANDS BOULEVARD
4. WB EUCALYPTUS AVENUE
5. NB NASON STREET
6. WB NASON STREET ON-RAMP
7. WB ROUTE 60

DETOUR PLAN No. 29
 OVERNIGHT CLOSURE FOR SB NASON STREET TO EB ROUTE 60 ON-RAMP

1. SB NASON STREET
2. EB EUCALYPTUS AVENUE
3. NB REDLANDS BOULEVARD
4. EB REDLANDS BOULEVARD ON-RAMP
5. EB ROUTE 60

DETOUR PLAN No. 30
 OVERNIGHT CLOSURE FOR NB NASON STREET TO EB ROUTE 60 ON-RAMP

1. NB NASON STREET
2. EB EUCALYPTUS AVENUE
3. NB REDLANDS BOULEVARD
4. EB REDLANDS BOULEVARD ON-RAMP
5. EB ROUTE 60

DETOUR PLAN No. 31
 OVERNIGHT CLOSURE FOR NB MORENO BEACH DRIVE TO WB ROUTE 60 ON-RAMP

1. NB MORENO BEACH DRIVE
2. WB IRONWOOD AVENUE
3. SB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

DETOUR PLAN No. 32
 OVERNIGHT CLOSURE FOR SB MORENO BEACH DRIVE TO WB ROUTE 60 ON-RAMP

1. SB MORENO BEACH DRIVE
2. WB EUCALYPTUS AVENUE
3. NB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

DETOUR PLAN No. 33
 OVERNIGHT CLOSURE FOR NB MORENO BEACH DRIVE TO EB ROUTE 60 ON-RAMP

1. NB MORENO BEACH DRIVE
2. EB EUCALYPTUS AVENUE
3. NB REDLANDS BOULEVARD
4. EB REDLANDS BOULEVARD ON-RAMP
5. EB ROUTE 60

DETOUR PLAN No. 34
 OVERNIGHT CLOSURE FOR SB MORENO BEACH DRIVE TO EB ROUTE 60 ON-RAMP

1. SB MORENO BEACH DRIVE
2. EB EUCALYPTUS AVENUE
3. NB REDLANDS BOULEVARD
4. EB REDLANDS BOULEVARD ON-RAMP
5. EB ROUTE 60

DETOUR PLAN No. 35
 OVERNIGHT CLOSURE FOR NB REDLANDS BOULEVARD TO WB ROUTE 60 ON-RAMP

1. NB REDLANDS BOULEVARD
2. WB EUCALYPTUS
3. NB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

DETOUR PLAN No. 36
 OVERNIGHT CLOSURE FOR SB REDLANDS BOULEVARD TO WB ROUTE 60 ON-RAMP

1. SB REDLANDS BOULEVARD
2. WB EUCALYPTUS AVENUE
3. NB NASON STREET
4. WB NASON STREET ON-RAMP
5. WB ROUTE 60

**MOTORIST INFORMATION PLAN
 FULL ROUTE 60 CLOSURE BETWEEN
 NASON ST AND REDLANDS BLVD
 MI-7**

APPROVED FOR MOTORIST INFORMATION ONLY

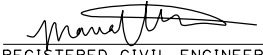

NO SCALE

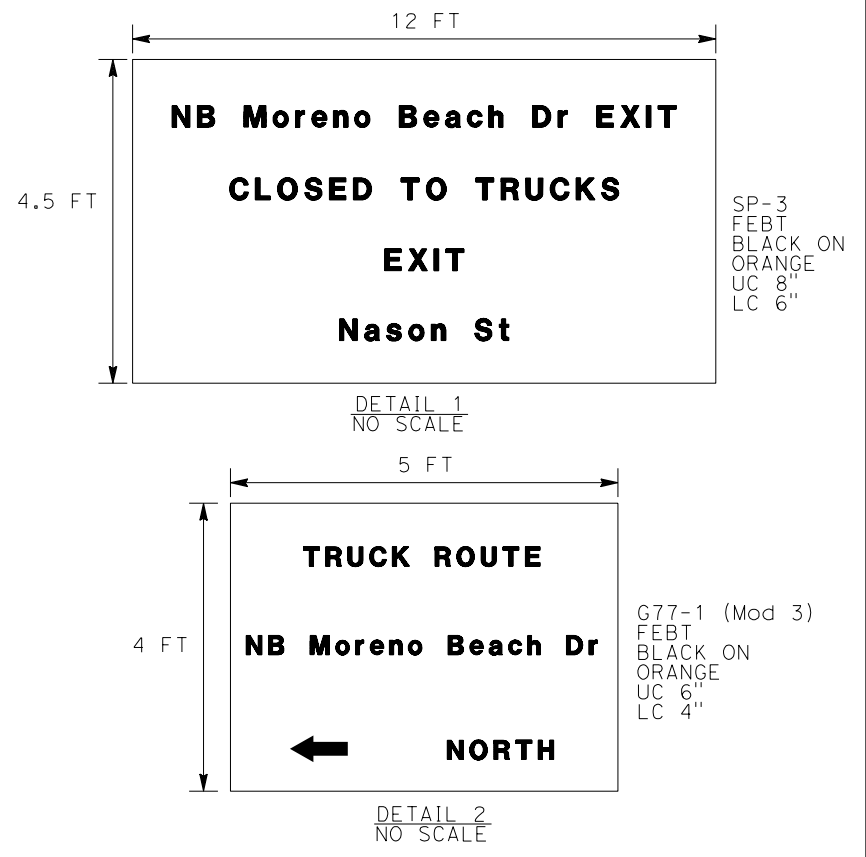
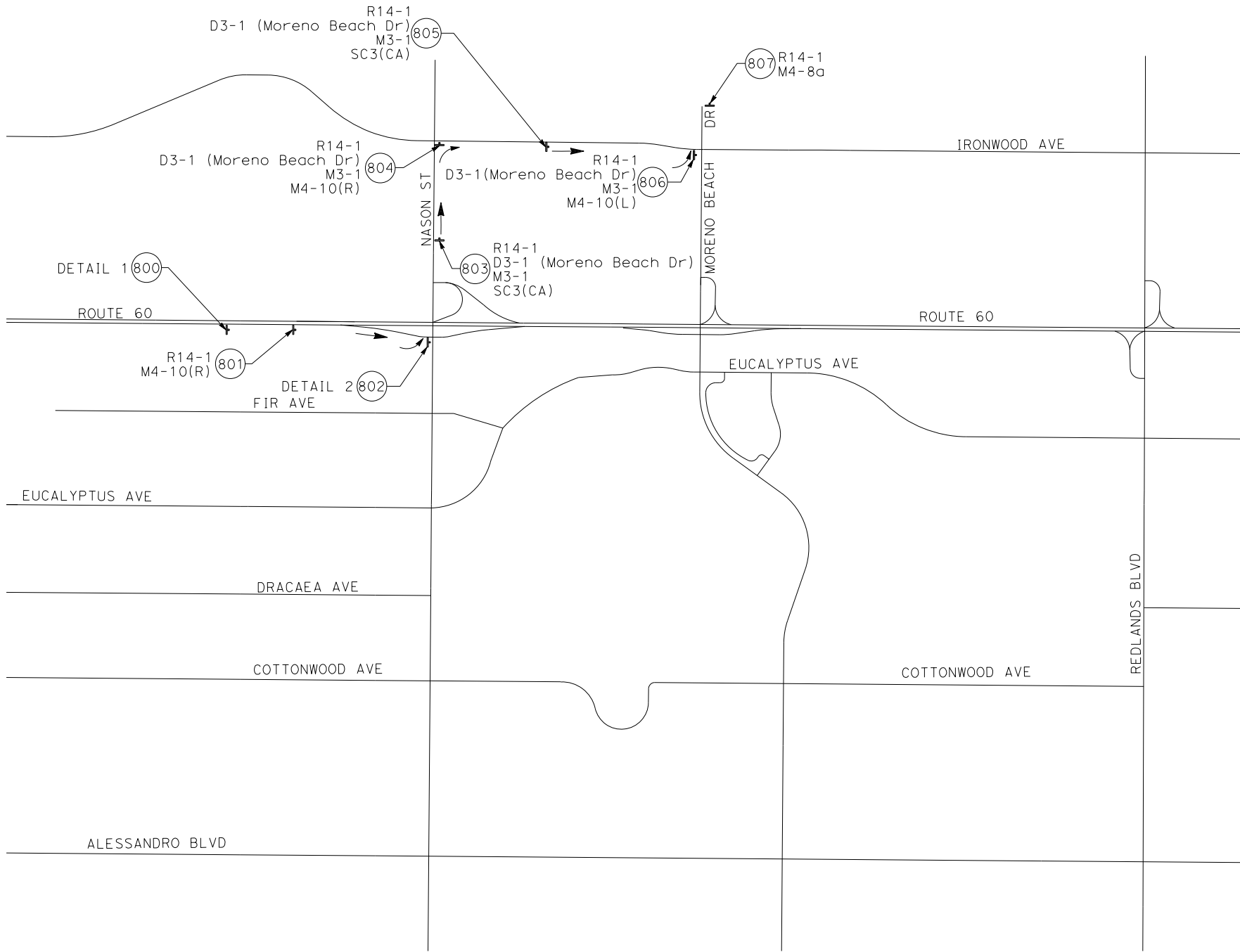
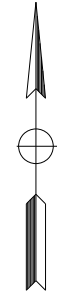
LAST REVISION | DATE PLOTTED => 17-JUL-2020
 00-00-00 | TIME PLOTTED => 13:12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED

DETOUR PLAN No. 37
 ALTERNATIVE TRUCK ROUTE
 FOR EB ROUTE 60 TO NB MORENO
 BEACH DRIVE

1. EB ROUTE 60
2. EB NASON STREET OFF-RAMP
3. NB NASON STREET
4. EB IRONWOOD AVENUE
5. NB MORENO BEACH DRIVE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	129	358
 REGISTERED CIVIL ENGINEER DATE 07/01/20					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



**ALTERNATIVE TRUCK ROUTE
 FOR EB ROUTE 60 TO NB
 MORENO BEACH DRIVE**
 NO SCALE **MI-8**

APPROVED FOR MOTORIST INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

REVISOR
 MARIA WILSON
 DANIEL KACHI

CALCULATED-DESIGNED BY
 CHECKED BY

CONSULTANT SUPERVISOR
 FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

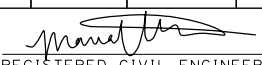

DESIGN BRANCH H

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-1	100	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	101	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	102	M3-4	24" X 12"	WEST	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		SEE DETAIL 2 ON MI-1			
	103	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (LEFT ARROW)	
	104	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	105	M3-4	24" X 12"	WEST	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	106	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	107	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	108	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"
		D3-1	VARIES X 12"	MORENO BEACH DR	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	109	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M4-8	24" X 12"	DETOUR	
		M6-2	21" X 15"	DIRECTIONAL ARROW (POINTING UP AND RIGHT)	
	110	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
SC3(CA)		36" X 12"	DETOUR (WITH ARROW)		
G28-2(CA)		21" X 18"	STATE ROUTE 60 MARKER		
111	M3-4	24" X 12"	WEST	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
112	M3-4	24" X 12"	WEST	1 - 4" X 6"	
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
113	M3-4	24" X 12"	WEST	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	M4-8a	24" X 18"	END DETOUR		
114	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
115	SC6-4(CA)	48" X 60"	RAMP CLOSED	1 - 6" X 6"	
	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION		
	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION		
116	SC6-4(CA)	48" X 60"	RAMP CLOSED	1 - 6" X 6"	
	SC6-4(CA)	48" X 60"	RAMP CLOSED		
	M4-8a	24" X 18"	END DETOUR		
117	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	1 - 4" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
118	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
119	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
120	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
121	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"	
	SEE DETAIL 1 ON MI-1				
	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD		
122	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
123	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
124	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
125	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
126	SEE DETAIL 1 ON MI-1				
	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD		
	SEE DETAIL 1 ON MI-1				
127	SEE DETAIL 3 ON MI-1				
	SEE PCMS 1 ON MI-1				
	SEE PCMS 1 ON MI-1				
128	SEE DETAIL 1 ON MI-1				
	SEE DETAIL 3 ON MI-1				
	SEE PCMS 1 ON MI-1				
129	SEE DETAIL 1 ON MI-1				
	SEE DETAIL 3 ON MI-1				
	SEE PCMS 1 ON MI-1				
130	SEE DETAIL 1 ON MI-1				
	SEE DETAIL 3 ON MI-1				
	SEE PCMS 1 ON MI-1				
131	SEE DETAIL 1 ON MI-1				
	SEE DETAIL 3 ON MI-1				
	SEE PCMS 1 ON MI-1				

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-2	200	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	2 - 4" X 6"
		M3-4	24" X 12"	WEST	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	201	M3-3	24" X 12"	SOUTH	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	202	M3-1	24" X 12"	NORTH	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	203	M3-4	24" X 12"	WEST	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		SEE DETAIL 2 ON MI-2			
	204	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	205	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
		M3-4	24" X 12"	WEST	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	206	M3-1	24" X 12"	NORTH	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	207	M3-3	24" X 12"	SOUTH	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	208	M3-4	24" X 12"	WEST	2 - 4" X 6"
		D3-1	VARIES X 12"	MORENO BEACH DR	
		M3-1	24" X 12"	NORTH	
	209	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 6" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	210	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"
M3-1		24" X 12"	NORTH		
SC3(CA)		36" X 12"	DETOUR (RIGHT ARROW)		
211	D3-1	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 4"	
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
212	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"	
	M3-3	24" X 12"	SOUTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
213	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
214	W20-3	36" X 36"	ROAD CLOSED AHEAD	2 - 4" X 6"	
	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD		
	D3-1	VARIES X 12"	MORENO BEACH DR		
215	M3-1	24" X 12"	NORTH	1 - 4" X 6"	
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	M4-8a	24" X 18"	END DETOUR		
216	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	130	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

MOTORIST INFORMATION PLAN QUANTITIES

MIQ-1

LAST REVISION DATE PLOTTED => 17-JUL-2020 00-00-00 TIME PLOTTED => 13:12

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	131	358

07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-2	216	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	217	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	218	W20-3	36" X 36"	ROAD CLOSED AHEAD	2 - 4" X 6"
		W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	
	219	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M4-8	24" X 12"	DETOUR	
		M6-2	21" X 15"	DIRECTIONAL ARROW (POINTING UP AND RIGHT)	
	220	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-1	24" X 12"	NORTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	221	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	222	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-3	24" X 12"	SOUTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	223	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	224	W20-3	36" X 36"	ROAD CLOSED AHEAD	2 - 4" X 6"
		W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	
	225	R3-1	24" X 24"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 4"
	226	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
227	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"	
	M3-1	24" X 12"	NORTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
228	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"	
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
229	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 4" X 4"	
	M4-8a	24" X 18"	END DETOUR		
230	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"	
	M3-4	24" X 12"	WEST		
	D3-1	VARIES X 12"	MORENO BEACH DR		
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
232	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"	
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
233	SEE DETAIL 1 ON MI-2			2 - 6" X 8"	
234	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"	
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
235	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 6" X 6"	
	D3-1	VARIES X 12"	MORENO BEACH DR		
	M3-3	24" X 12"	SOUTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
236	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 6" X 6"	
	D3-1	VARIES X 12"	MORENO BEACH DR		
	M3-3	24" X 12"	SOUTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-2	237	SEE DETAIL 1 ON MI-2			2 - 6" X 8"
	238	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	239	R3-2	24" X 24"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 4"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	240	M3-4	24" X 12"	WEST	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	241	M3-1	24" X 12"	NORTH	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	242	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-1	24" X 12"	NORTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	243	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-3	24" X 12"	SOUTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	244	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-3	24" X 12"	SOUTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	245	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
	246	M4-10(R)	48" X 18"	DETOUR (WITH ARROW)	1 - 4" X 6"
		SEE PCMS 1 ON MI-2			
	247	SEE PCMS 1 ON MI-2			
	248	SEE PCMS 2 ON MI-2			
	249	SEE PCMS 1 ON MI-2			
	250	SEE PCMS 1 ON MI-2			
	251	SEE PCMS 2 ON MI-2			
	252	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
D3-1		VARIES X 12"	MORENO BEACH DR		
M3-3		24" X 12"	SOUTH		
253	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 6" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	D3-1	VARIES X 12"	MORENO BEACH DR		
254	M3-3	24" X 12"	SOUTH	1 - 6" X 6"	
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON DANIEL KACHI
 REVISED BY: DATE REVISED:

MOTORIST INFORMATION PLAN QUANTITIES MIQ-2

LAST REVISION DATE PLOTTED => 17-JUL-2020
 00-00-00 TIME PLOTTED => 13:12

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	132	358

REGISTERED CIVIL ENGINEER DATE 07/01/20	REGISTERED PROFESSIONAL ENGINEER MARIA WILSON No. C 89012 Exp. 09/30/20 CIVIL STATE OF CALIFORNIA
PLANS APPROVAL DATE	
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-3	300	SEE DETAIL 1 ON MI-3			2 - 6" X 8"
	301	SEE DETAIL 3 ON MI-3			1 - 6" X 6"
	302	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	303	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 4"
		M3-3	24" X 12"	SOUTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
	304	M3-3	24" X 12"	SOUTH	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
	305	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
		M3-1	24" X 12"	NORTH	
	306	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 4"
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
		M4-8	24" X 12"	DETOUR	
	307	M6-2	21" X 15"	DIRECTIONAL ARROW (POINTING UP AND RIGHT)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	308	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	309	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
M3-1		24" X 12"	NORTH		
310	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-1	24" X 12"	NORTH		
311	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"	
	SC6-4(CA)	48" X 60"	RAMP CLOSED		
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
312	M3-1	24" X 12"	NORTH	1 - 6" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
313	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 4"	
	M3-1	24" X 12"	NORTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
314	M3-1	24" X 12"	NORTH	1 - 6" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
315	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 6" X 6"	
	M3-3	24" X 12"	SOUTH		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
316	SC6-4(CA)	48" X 60"	RAMP CLOSED	1 - 6" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
317	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 6"	
	M3-1	24" X 12"	NORTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
318	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"	
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
	M3-1	24" X 12"	NORTH		
319	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	2 - 4" X 6"	
	W20-3	36" X 36"	ROAD CLOSED AHEAD		
	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD		
320	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"	
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
	M3-3	24" X 12"	SOUTH		
321	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
322	M3-1	24" X 12"	NORTH	1 - 4" X 4"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	R3-2	24" X 24"	NO LEFT TURN MOVEMENT PROHIBITION		
323	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 6"	
	M3-3	24" X 12"	SOUTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
324	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
325	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-3	326	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	327	M4-8a	24" X 18"	END DETOUR	1 - 4" X 4"
	328	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	329	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	330	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	331	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
	332	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"
		R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	
	333	W20-3	36" X 36"	ROAD CLOSED AHEAD	2 - 4" X 6"
		W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	
	334	M4-8a	24" X 18"	END DETOUR	1 - 4" X 4"
	335	R3-2	24" X 24"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 4"
	336	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	337	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
		M3-2	24" X 12"	EAST	
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
	338	M3-3	24" X 12"	SOUTH	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	339	M3-4	24" X 12"	WEST	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	340	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 4"
		SEE DETAIL 1 ON MI-3			
	341	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
		M3-4	24" X 12"	WEST	
		D3-1	VARIABLES X 12"	MORENO BEACH DR	
	342	M3-1	24" X 12"	NORTH	1 - 6" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		SC6-4(CA)	48" X 60"	RAMP CLOSED	
343	SEE DETAIL 1 ON MI-3			2 - 6" X 8"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
344	D3-1	VARIABLES X 12"	MORENO BEACH DR	1 - 4" X 6"	
	M3-1	24" X 12"	NORTH		
345	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"	
	SC6-4(CA)	48" X 60"	RAMP CLOSED		
346	SEE DETAIL 1 ON MI-3			2 - 6" X 8"	
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-4	24" X 12"	WEST		
347	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 6"	
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
	M3-1	24" X 12"	NORTH		
348	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"	
	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS		
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
349	M3-1	24" X 12"	NORTH	1 - 4" X 6"	
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	D3-1	VARIABLES X 12"	MORENO BEACH DR		
350	M3-3	24" X 12"	SOUTH	1 - 4" X 6"	
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	D3-1	VARIABLES X 12"	MORENO BEACH DR		

MOTORIST INFORMATION PLAN QUANTITIES MIQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 CALCULATED/DESIGNED BY
 REVISOR BY
 DATE REVISOR

LAST REVISION DATE PLOTTED => 17-JUL-2020
 00-00-00 TIME PLOTTED => 13:13

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	133	358

REGISTERED CIVIL ENGINEER DATE 07/01/20	
PLANS APPROVAL DATE	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552


SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE	
MI-3	351	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"	
		M3-3	24" X 12"	SOUTH		
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
	352	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"	
		M3-3	24" X 12"	SOUTH		
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	353	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"	
		M3-1	24" X 12"	NORTH		
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	354	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"	
		M3-1	24" X 12"	NORTH		
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	355	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 6" X 6"	
		D3-1	VARIES X 12"	MORENO BEACH DR		
		M3-3	24" X 12"	SOUTH		
	356	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 6" X 6"	
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
		D3-1	VARIES X 12"	MORENO BEACH DR		
	357	M3-3	24" X 12"	SOUTH	1 - 6" X 6"	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
	358	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"	
		M3-1	24" X 12"	NORTH		
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	359	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"	
		M3-3	24" X 12"	SOUTH		
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	360	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 4"	
		M3-1	24" X 12"	NORTH		
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	361	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 4" X 6"	
		M3-3	24" X 12"	SOUTH		
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	362	SEE DETAIL 4 ON MI-3				2 - 6" X 8"
	363	SEE PCMS 3 ON MI-3				
	364	SEE PCMS 1 ON MI-3				
365	SEE PCMS 1 ON MI-3					
366	SEE PCMS 2 ON MI-3					
367	SEE PCMS 1 ON MI-3					
368	SEE PCMS 1 ON MI-3					
369	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"		
	M3-1	24" X 12"	NORTH			
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)			
370	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 4" X 4"		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER			
371	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER			
	D3-1	VARIES X 12"	MORENO BEACH DR			
372	M3-3	24" X 12"	SOUTH	1 - 6" X 6"		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)			
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER			

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-5	500	SEE DETAIL 1 ON MI-5			2 - 6" X 8"
	501	SEE DETAIL 2 ON MI-5			1 - 6" X 6"
	502	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
	503	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 4"
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
	504	M3-3	24" X 12"	SOUTH	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	505	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
	506	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	507	M3-2	24" X 12"	EAST	1 - 4" X 4"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	508	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
	509	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"
		M4-8	24" X 12"	DETOUR	
	510	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M6-2	21" X 15"	DIRECTIONAL ARROW (POINTING UP AND RIGHT)	
	511	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	2 - 4" X 6"
		M3-2	24" X 12"	EAST	
	512	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 6" X 6"
		M3-3	24" X 12"	SOUTH	
	513	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 4"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	514	M3-2	24" X 12"	EAST	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	515	D3-1	VARIES X 12"	MORENO BEACH DRIVE	2 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
	516	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	1 - 6" X 6"
		SC6-4(CA)	48" X 60"	RAMP CLOSED	
	517	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
		M3-2	24" X 12"	EAST	
	518	D3-1	VARIES X 12"	MORENO BEACH DR	1 - 6" X 6"
		M3-1	24" X 12"	NORTH	
	519	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"
W20-3		36" X 36"	ROAD CLOSED AHEAD		
520	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	2 - 4" X 6"	

MOTORIST INFORMATION PLAN QUANTITIES MIQ-4

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	134	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL ENGINEER
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-5	518	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"
		M3-2	24" X 12"	EAST	
		D3-1	VARIES X 12"	MORENO BEACH DR	
		M3-3	24" X 12"	SOUTH	
	519	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"
		R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	
	520	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	521	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	522	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	523	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
		M4-8g	24" X 18"	END DETOUR	
	524	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 4"
		M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	525	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	526	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	527	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	529	W20-3 Alternate	36" X 36"	RAMP CLOSED AHEAD	2 - 4" X 6"
		M4-8g	24" X 18"	END DETOUR	
	530	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-2	24" X 12"	EAST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	532	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 4"
		M3-1	24" X 12"	NORTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	533	M3-2	24" X 12"	EAST	2 - 4" X 6"
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
		M3-1	24" X 12"	NORTH	
SC3(CA)		36" X 12"	DETOUR (WITH ARROW)		
534	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"	
	M3-2	24" X 12"	EAST		
	D3-1	VARIES X 12"	MORENO BEACH DR		
	M3-1	24" X 12"	NORTH		
535	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"	
	D3-1	VARIES X 12"	MORENO BEACH DRIVE		
	M3-1	24" X 12"	NORTH		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
536	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 6" X 6"	
	M3-2	24" X 12"	EAST		
	D3-1	VARIES X 12"	MORENO BEACH DR		
537	M3-1	24" X 12"	NORTH	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	D3-1	VARIES X 12"	MORENO BEACH DRIVE		
538	M3-1	24" X 12"	NORTH	1 - 4" X 6"	
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	D3-1	VARIES X 12"	MORENO BEACH DRIVE		
539	M3-3	24" X 12"	SOUTH	1 - 6" X 6"	
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		
540	D3-1	VARIES X 12"	MORENO BEACH DRIVE	2 - 6" X 6"	
	M3-3	24" X 12"	SOUTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
541	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	1 - 6" X 6"	
	D3-1	VARIES X 12"	MORENO BEACH DRIVE		
	M3-1	24" X 12"	NORTH		

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-5	541	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
	542	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	543	M3-2	24" X 12"	EAST	1 - 6" X 6"
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
	544	M3-1	24" X 12"	NORTH	1 - 4" X 4"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	
	545	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	546	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	547	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	548	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 6" X 6"
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
		M3-1	24" X 12"	NORTH	
	549	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 4" X 6"
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
	550	M3-3	24" X 12"	SOUTH	1 - 6" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		D3-1	VARIES X 12"	MORENO BEACH DRIVE	
	551	M3-3	24" X 12"	SOUTH	1 - 4" X 4"
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED	
	552	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-3	24" X 12"	SOUTH	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	553	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	554	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 6"
		M3-1	24" X 12"	NORTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
555	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 4" X 4"	
	M3-1	24" X 12"	NORTH		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
556	SEE DETAIL 3 ON MI-5				2 - 6" X 8"
557	SEE PCMS 3 ON MI-5				
558	SEE PCMS 1 ON MI-5				
559	SEE PCMS 1 ON MI-5				
560	SEE PCMS 1 ON MI-5				
561	SEE PCMS 1 ON MI-5				
562	D3-1	VARIES X 12"	MORENO BEACH DRIVE	1 - 6" X 6"	
	M3-1	24" X 12"	NORTH		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	R36(CA)	24" X 24"	COMMERCIAL VEHICLES OVER 5 TONS PROHIBITED		

MOTORIST INFORMATION PLAN QUANTITIES MIQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 CALCULATED/DESIGNED BY
 REVISOR BY
 DATE REVISOR

MARIA WILSON
 DANIEL KACHI
 NICOLE DEPUY

USERNAME => p003256D
 DGN FILE => 08120000591c005.dgn



UNIT 2232

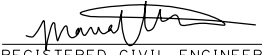
PROJECT NUMBER & PHASE

08120000591

LAST REVISION DATE PLOTTED => 17-JUL-2020
 00-00-00 TIME PLOTTED => 13:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	135	358

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED


 REGISTERED CIVIL ENGINEER DATE 07/01/20

MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL ENGINEER
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-5	563	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	2 - 4" X 6"
		M3-2	24" X 12"	EAST	
		D3-1	VARIABLES X 12"	MORENO BEACH DRIVE	
		M3-3	24" X 12"	SOUTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	564	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
		D3-1	VARIABLES X 12"	MORENO BEACH DRIVE	
		M3-3	24" X 12"	SOUTH	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-6	600	W20-2	36" X 36"	DETOUR AHEAD	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	601	M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	602	W20-2	36" X 36"	DETOUR AHEAD	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	603	M3-2	24" X 12"	EAST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	604	M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	605	M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	606	W20-2	36" X 36"	DETOUR AHEAD	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	607	R3-2	24" X 24"	NO LEFT TURN MOVEMENT PROHIBITION	
		W20-2	36" X 36"	DETOUR AHEAD	
	608	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	609	W20-2	36" X 36"	DETOUR AHEAD	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	610	W20-2	36" X 36"	DETOUR AHEAD	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	611	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	612	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
	613	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		SC6-3(CA)	48" X 48"	RAMP CLOSED	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	614	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	615	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
G28-2(CA)		36" X 36"	DETOUR AHEAD		
M3-2		24" X 12"	EAST		
616	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
617	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
618	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
619	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
620	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
621	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
622	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
623	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
624	M3-2	24" X 12"	EAST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
625	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
626	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-2	24" X 12"	EAST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
627	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-6	628	W20-2	36" X 36"	DETOUR AHEAD	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	629	M3-2	24" X 12"	EAST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	630	W20-2	36" X 36"	DETOUR AHEAD	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	631	M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
	632	M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	633	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	634	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	635	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
	636	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
		W20-2	36" X 36"	DETOUR AHEAD	
	637	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	638	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	639	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	640	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	641	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-2	24" X 12"	EAST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	642	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	643	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	
M3-4		24" X 12"	WEST		
M4-10(L)		48" X 18"	DETOUR (LEFT ARROW)		
644	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-2	24" X 12"	EAST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
645	W20-2	36" X 36"	DETOUR AHEAD		
	W20-2	36" X 36"	DETOUR AHEAD		
646	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
	M3-2	24" X 12"	EAST		
647	M3-2	24" X 12"	EAST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		
648	M3-4	24" X 12"	WEST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
	W20-2	36" X 36"	DETOUR AHEAD		
649	W20-2	36" X 36"	DETOUR AHEAD		
	SC6-3(CA)	48" X 48"	RAMP CLOSED		
	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER		

MOTORIST INFORMATION PLAN QUANTITIES

MIQ-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN BRANCH H
 CONSULTANT SUPERVISOR
 CALCULATED/DESIGNED BY
 REVISIONS BY
 MARIA WILSON
 DANIEL KACHI
 NICOLE DEPUY

LAST REVISION DATE PLOTTED => 17-JUL-2020
 00-00-00 TIME PLOTTED => 13:13

MOTORIST INFORMATION SIGNS STATIONARY MOUNTED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	136	358

Maria Wilson
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

07/01/20
DATE

REGISTERED PROFESSIONAL ENGINEER

MARIA WILSON

No. C 89012

Exp. 09/30/20

CIVIL

STATE OF CALIFORNIA

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-6	650	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	
	651	W20-2	36" X 36"	DETOUR AHEAD	1 - 4" X 6"
		G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
	652	M3-2	24" X 12"	EAST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	653	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"
		M3-4	24" X 12"	WEST	
		M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)	
	654	W20-2	36" X 36"	DETOUR AHEAD	1 - 4" X 6"
	655	SC6-3(CA)	48" X 48"	RAMP CLOSED	1 - 6" X 6"
	656	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	657	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	658	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	659	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	660	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	661	R3-1	36" X 36"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	662	R3-1	24" X 24"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
	663	G28-2(CA)	24" X 24"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"
M3-2		24" X 12"	EAST		
M4-10(R)		48" X 18"	DETOUR (RIGHT ARROW)		
665	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
669	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
670	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
671	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
672	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-2	24" X 12"	EAST		
	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)		
673	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
674	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
676	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
677	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-2	24" X 12"	EAST		
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
678	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)		
679	G28-2(CA)	21" X 18"	STATE ROUTE 60 MARKER	1 - 4" X 6"	
	M3-4	24" X 12"	WEST		
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
680			SEE PCMS E ON MI-6		
681			SEE PCMS E ON MI-6		
682			SEE PCMS F ON MI-6		
683			SEE PCMS F ON MI-6		
684			SEE PCMS F ON MI-6		
685			SEE PCMS F ON MI-6		
686			SEE PCMS D ON MI-6		
687			SEE PCMS D ON MI-6		
688			SEE PCMS D ON MI-6		
689			SEE PCMS D ON MI-6		
690			SEE PCMS D ON MI-6		

SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE
MI-8	800			SEE DETAIL 1 ON MI-8	2 - 6" X 8"
	801	R14-1	24" X 18"	TRUCK ROUTE	1 - 4" X 6"
		M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	
	802			SEE DETAIL 2 ON MI-8	1 - 6" X 6"
	803	R14-1	24" X 18"	TRUCK ROUTE	1 - 6" X 6"
		D3-1	VARIES X 12"	MORENO BEACH DR	
		M3-1	24" X 12"	NORTH	
	804	SC3(CA)	36" X 12"	DETOUR (WITH ARROW)	1 - 6" X 6"
		R14-1	24" X 18"	TRUCK ROUTE	
		D3-1	VARIES X 12"	MORENO BEACH DR	
		M3-1	24" X 12"	NORTH	
	805	M4-10(R)	48" X 18"	DETOUR (RIGHT ARROW)	1 - 6" X 6"
		R14-1	24" X 18"	TRUCK ROUTE	
		D3-1	VARIES X 12"	MORENO BEACH DR	
	806	M3-1	24" X 12"	NORTH	1 - 6" X 6"
SC3(CA)		36" X 12"	DETOUR (WITH ARROW)		
R14-1		24" X 18"	TRUCK ROUTE		
D3-1		VARIES X 12"	MORENO BEACH DR		
807	M3-1	24" X 12"	NORTH	1 - 6" X 6"	
	M4-10(L)	48" X 18"	DETOUR (LEFT ARROW)		
	R14-1	24" X 18"	TRUCK ROUTE		
					1 - 4" X 6"
				END DETOUR	

PORTABLE CHANGEABLE MESSAGE SIGN

SHEET	LOCATION SPECIFIED IN MOTORIST INFORMATION PLAN	IN RESERVE (LOCATION NOT SPECIFIED)	TOTAL
	(EA)	(EA)	(EA)
MI-1	2	13	15
MI-2	6	9	15
MI-3	6	9	15
MI-5	5	10	15
MI-6	15	0	15

MOTORIST INFORMATION PLAN QUANTITIES

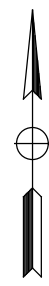
MIQ-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	137	358

	07/01/20
REGISTERED CIVIL ENGINEER	DATE

PLANS APPROVAL DATE	
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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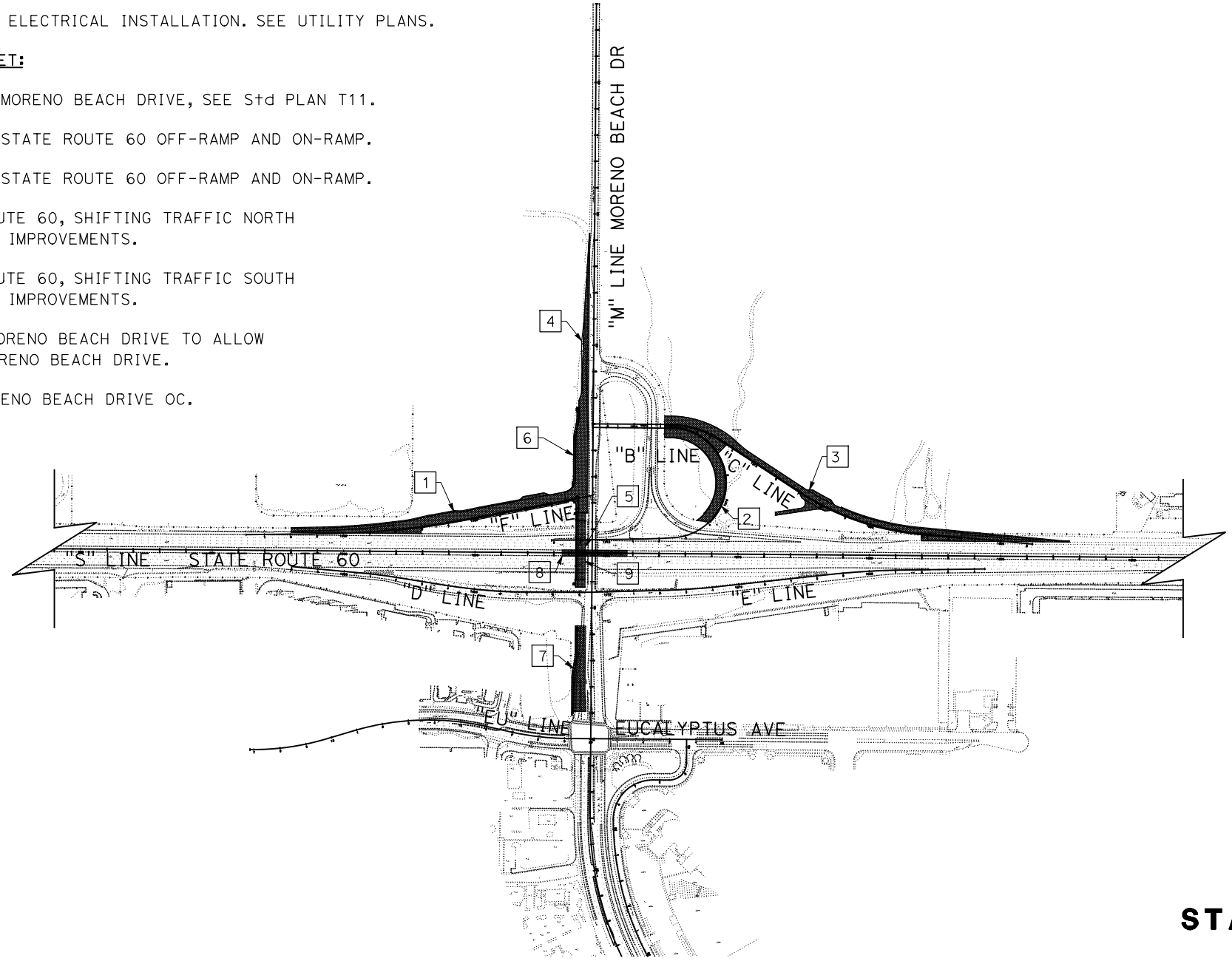


CONSTRUCTION NOTES IN THIS SHEET:

- 1] CONSTRUCT PORTION OF "F" LINE. MAINTAIN TRAFFIC ON EXISTING WB STATE ROUTE 60 ON-RAMP.
- 2] CONSTRUCT PORTION OF "B" LINE. MAINTAIN TRAFFIC ON EXISTING WB STATE ROUTE 60 ON-RAMP.
- 3] CONSTRUCT FLEXIBLE PAVEMENT PORTION OF "C" LINE. MAINTAIN TRAFFIC ON EXISTING WB STATE ROUTE 60 OFF-RAMP.
- 4] CONSTRUCT TEMPORARY PAVEMENT ON WEST SIDE OF MORENO BEACH DRIVE.
- 5] CONSTRUCT STAGE 1 OF PROPOSED MORENO BEACH DRIVE OC. MAINTAIN TRAFFIC ON EXISTING BRIDGE.
- 6] CONSTRUCT WESTERNMOST PORTION OF PROPOSED MORENO BEACH DRIVE, 18' LEFT OF "M" LINE NORTH OF MORENO BEACH DRIVE OC. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING MORENO BEACH DRIVE.
- 7] CONSTRUCT WESTERNMOST PORTION OF PROPOSED MORENO BEACH DRIVE, 23' LEFT OF "M" LINE SOUTH OF MORENO BEACH DRIVE OC. MAINTAIN TRAFFIC ON EXISTING MORENO BEACH DRIVE.
- 8] CONSTRUCT MEDIAN IMPROVEMENTS OF STATE ROUTE 60.
- 9] CONSTRUCT MORENO VALLEY UTILITY ELECTRICAL INSTALLATION. SEE UTILITY PLANS.

TRAFFIC HANDLING NOTES IN THIS SHEET:

1. FOR OVERNIGHT LANE CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T11.
2. MAINTAIN TRAFFIC ON EXISTING EB STATE ROUTE 60 OFF-RAMP AND ON-RAMP.
3. MAINTAIN TRAFFIC ON EXISTING WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP.
4. MAINTAIN TRAFFIC ON WB STATE ROUTE 60, SHIFTING TRAFFIC NORTH TO ALLOW CONSTRUCTION OF MEDIAN IMPROVEMENTS.
5. MAINTAIN TRAFFIC ON EB STATE ROUTE 60, SHIFTING TRAFFIC SOUTH TO ALLOW CONSTRUCTION OF MEDIAN IMPROVEMENTS.
6. SHIFT TRAFFIC TO EAST SIDE OF MORENO BEACH DRIVE TO ALLOW CONSTRUCTION OF WEST SIDE OF MORENO BEACH DRIVE.
7. MAINTAIN TRAFFIC ON EXISTING MORENO BEACH DRIVE OC.



STAGE CONSTRUCTION PLAN

STAGE 1A

NO SCALE


SC-1

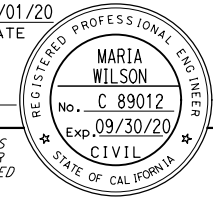
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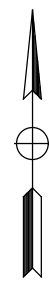
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Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 MARIA WILSON
 CHRISTOPHER COMMONS
 REVISED BY
 DATE REVISED
 x
 x
 x
 x
 x

LAST REVISION DATE PLOTTED => 20-JUL-2020
 00-00-00 TIME PLOTTED => 09:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	138	358

	07/01/20
REGISTERED CIVIL ENGINEER	DATE

PLANS APPROVAL DATE	
	
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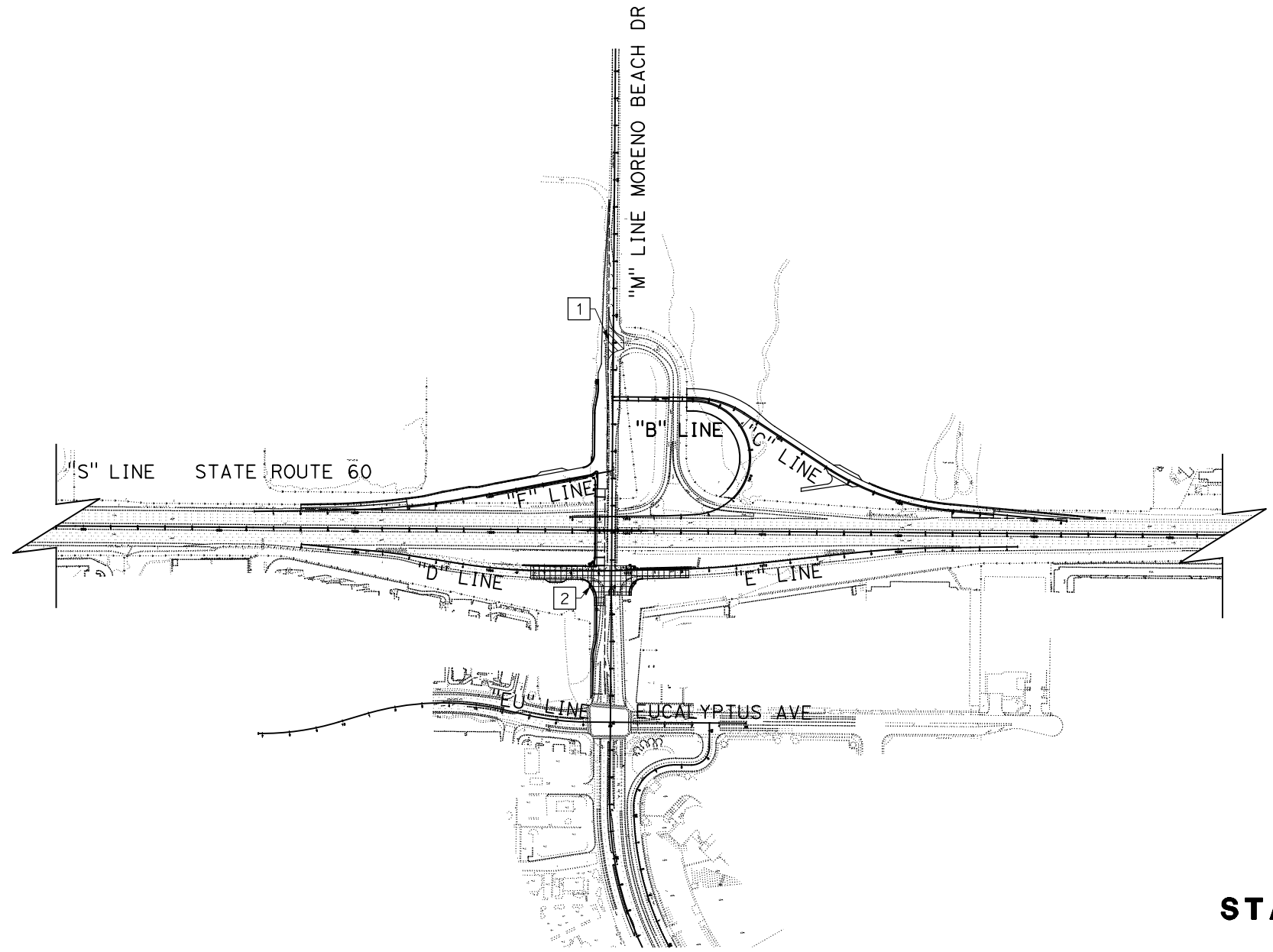


CONSTRUCTION NOTES IN THIS SHEET:

- 1] CONSTRUCT TEMPORARY PAVEMENT BETWEEN NEW MORENO BEACH DRIVE SECTION COMPLETED IN STAGE 1A AND EXISTING WB STATE ROUTE 60 ON-RAMP AND OFF-RAMP DURING EXTENDED CLOSURE. SEE MOTORIST INFORMATION PLAN FOR ROAD AND RAMP CLOSURE DETOUR DETAILS.
- 2] CONSTRUCT IMPROVEMENTS TO RAMP LINES "D" AND "E" DURING 10-DAY CLOSURE. SEE MOTORIST INFORMATION PLAN FOR RAMP CLOSURE DETOUR DETAILS.

TRAFFIC HANDLING NOTES IN THIS SHEET:

1. TEMPORARY PAVEMENT CONSTRUCTION ON MORENO BEACH DRIVE WILL REQUIRE EXTENDED CLOSURE AND DETOUR. SEE MOTORIST INFORMATION PLAN FOR ROAD AND RAMP CLOSURE DETOUR DETAILS.
2. RAMP LINES "D" AND "E" IMPROVEMENTS WILL REQUIRE 10-DAY CLOSURE AND DETOUR. SEE MOTORIST INFORMATION PLAN FOR RAMP CLOSURE DETOUR DETAILS.
3. SHUTTLE SERVICES SHALL BE PROVIDED FOR PEDESTRIANS THROUGH INTERCHANGE DUE TO CLOSURE.




STAGE CONSTRUCTION PLAN

STAGE 1B

NO SCALE

SC-2

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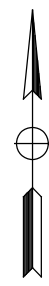
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	139	358

	07/01/20
REGISTERED CIVIL ENGINEER	DATE

PLANS APPROVAL DATE	
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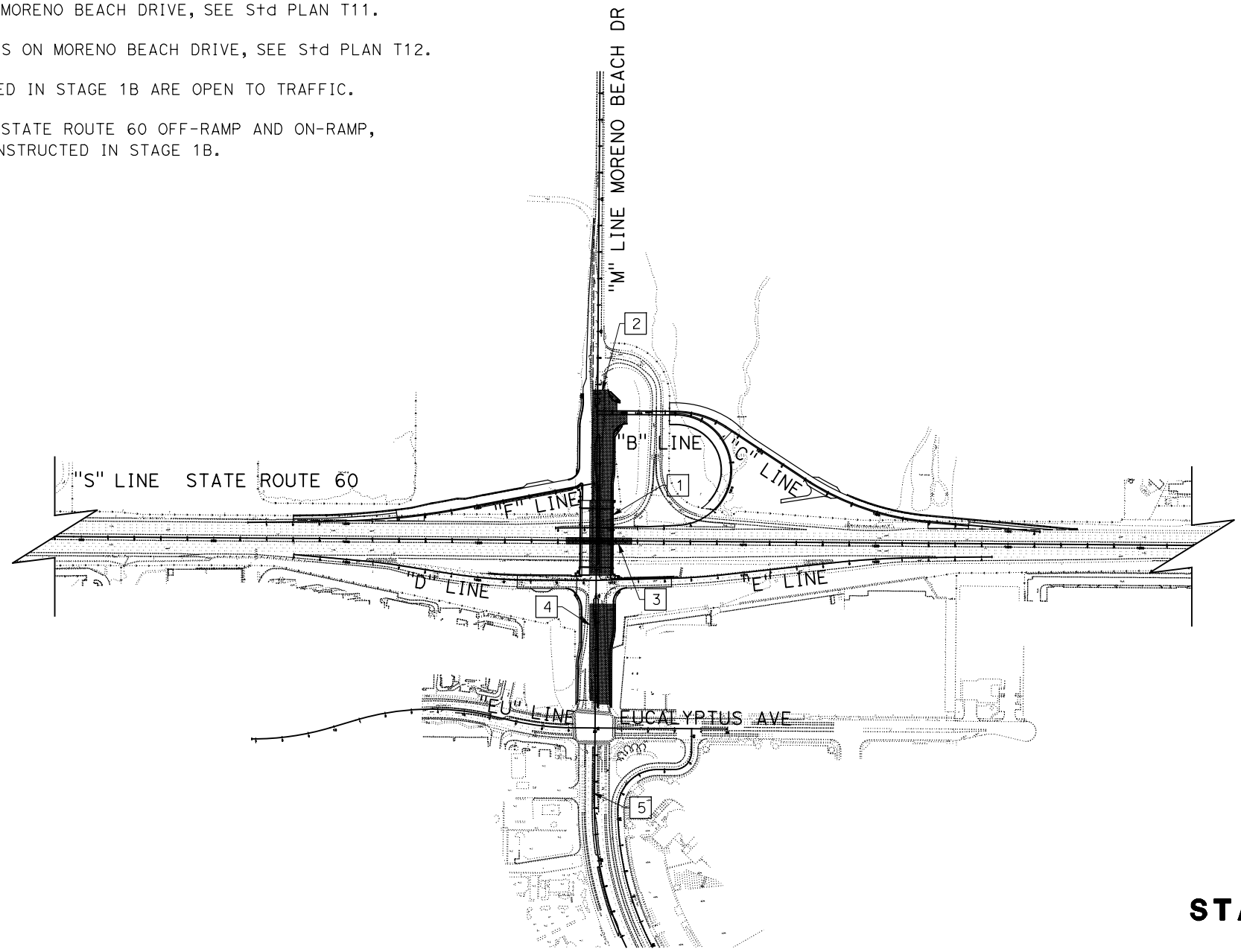


CONSTRUCTION NOTES IN THIS SHEET:

- 1] SHIFT TRAFFIC ONTO NEWLY CONSTRUCTED STAGE 1 OF MORENO BEACH OC. DEMOLISH EXISTING MORENO BEACH OC. CONSTRUCT STAGE 2 OF PROPOSED MORENO BEACH OC.
- 2] CONSTRUCT EASTERN PORTION OF MORENO BEACH DRIVE NORTH OF MORENO BEACH OC. SHIFT TRAFFIC ON TO NEWLY CONSTRUCTED WESTERN PORTION OF MORENO BEACH DRIVE AND TEMPORARY PAVEMENT COMPLETED IN STAGE 1A. BEFORE STAGE 3A, REMOVE TEMPORARY PAVEMENT WEST OF MORENO BEACH DRIVE AND TEMPORARY PAVEMENT AT THE WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP. MAINTAIN ACCESS TO WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP, UTILIZING TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B.
- 3] CONSTRUCT MEDIAN IMPROVEMENTS OF STATE ROUTE 60. MAINTAIN TRAFFIC HANDLING FROM STAGE 1A.
- 4] CONSTRUCT EASTERN PORTION OF MORENO BEACH DRIVE SOUTH OF MORENO BEACH OC. SHIFT TRAFFIC ON TO NEWLY CONSTRUCTED WESTERN PORTION OF MORENO BEACH DRIVE. RAMP LINES "D" AND "E" CONSTRUCTED IN STAGE 1B WILL BE OPEN TO TRAFFIC.
- 5] PRIOR TO STAGE 2, REMOVE RAISED MEDIAN ON MORENO BEACH DRIVE SOUTH OF EUCALYPTUS AVENUE AND CONSTRUCT TEMPORARY PAVEMENT.

TRAFFIC HANDLING NOTES IN THIS SHEET:

1. FOR OVERNIGHT LANE CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T11.
2. FOR OVERNIGHT HALF ROAD CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T12.
3. RAMP LINES "D" AND "E" CONSTRUCTED IN STAGE 1B ARE OPEN TO TRAFFIC.
4. MAINTAIN TRAFFIC ON EXISTING WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP, UTILIZING TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B.



STAGE CONSTRUCTION PLAN

STAGE 2

NO SCALE

SC-3

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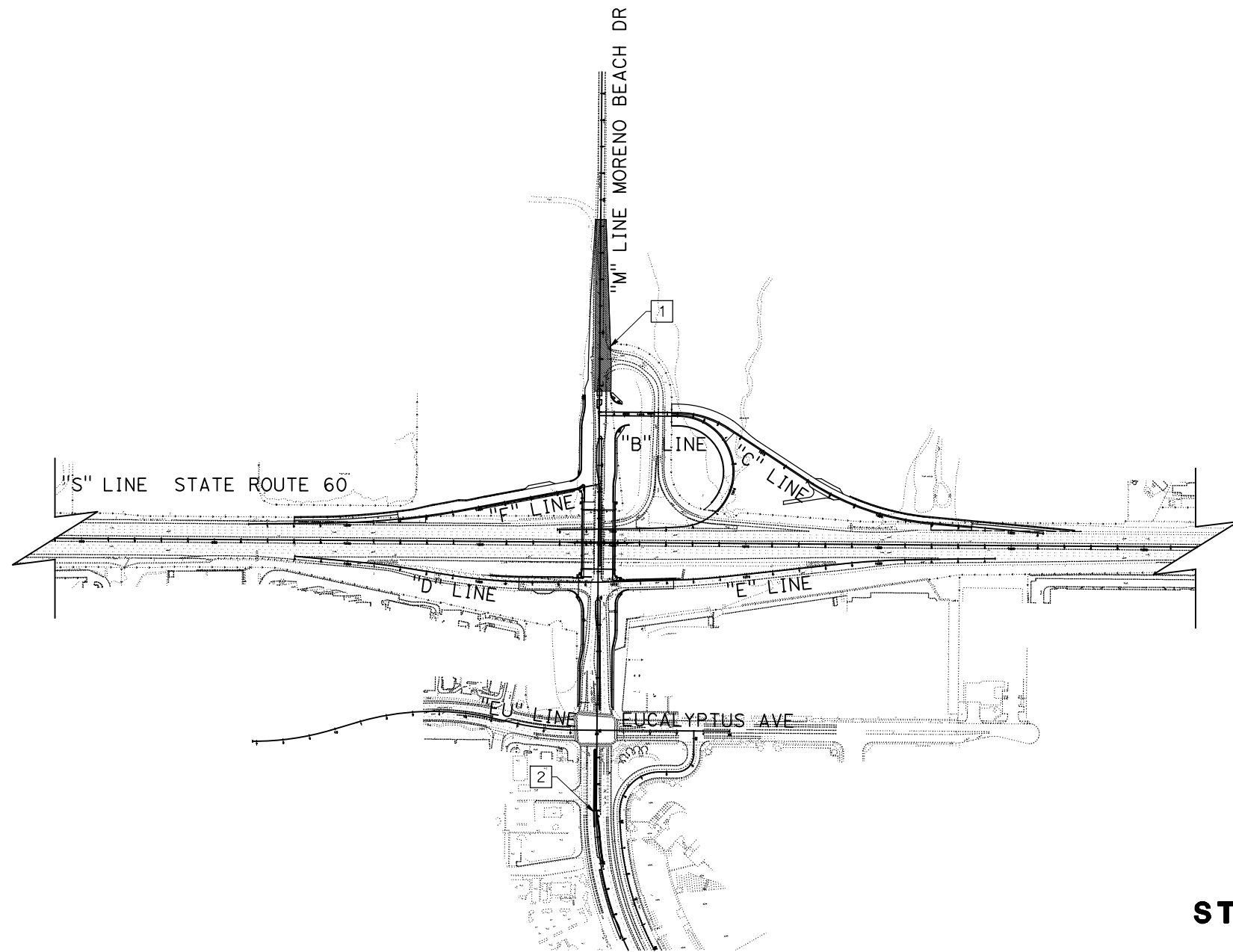
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CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
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CONSTRUCTION NOTES IN THIS SHEET:

1. CONSTRUCT REMAINING PORTION OF EASTERN SIDE OF MORENO BEACH DRIVE AT THE WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP DURING EXTENDED CLOSURE. SEE MOTORIST INFORMATION PLAN FOR ROAD AND RAMP CLOSURE DETOUR DETAILS.
2. CONSTRUCT RAISED MEDIAN ON MORENO BEACH DRIVE SOUTH OF EUCALYPTUS AVENUE UTILIZING OVERNIGHT LANE CLOSURES.

TRAFFIC HANDLING NOTES IN THIS SHEET:

1. FOR OVERNIGHT LANE CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T11.
2. FOR HALF ROAD CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T12.
3. WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP WILL BE CLOSED. SEE MOTORIST INFORMATION PLAN FOR RAMP CLOSURE DETOUR DETAILS.
4. MORENO BEACH DRIVE BETWEEN THE EB SR-60 RAMPS AND IRONWOOD AVENUE WILL BE CLOSED. SEE MOTORIST INFORMATION PLAN FOR ROAD CLOSURE DETOUR DETAILS.
5. SHUTTLE SERVICES SHALL BE PROVIDED FOR PEDESTRIANS THROUGH INTERCHANGE DUE TO CLOSURE.

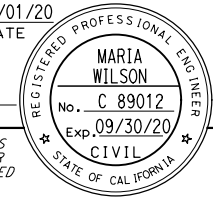


STAGE CONSTRUCTION PLAN
STAGE 3A
 NO SCALE
SC-4

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08	Riv	60	18.8/19.6	140	358

<i>Maria Wilson</i> REGISTERED CIVIL ENGINEER	07/01/20 DATE
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REVISED BY	DATE REVISED

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CONSULTANT FUNCTIONAL SUPERVISOR
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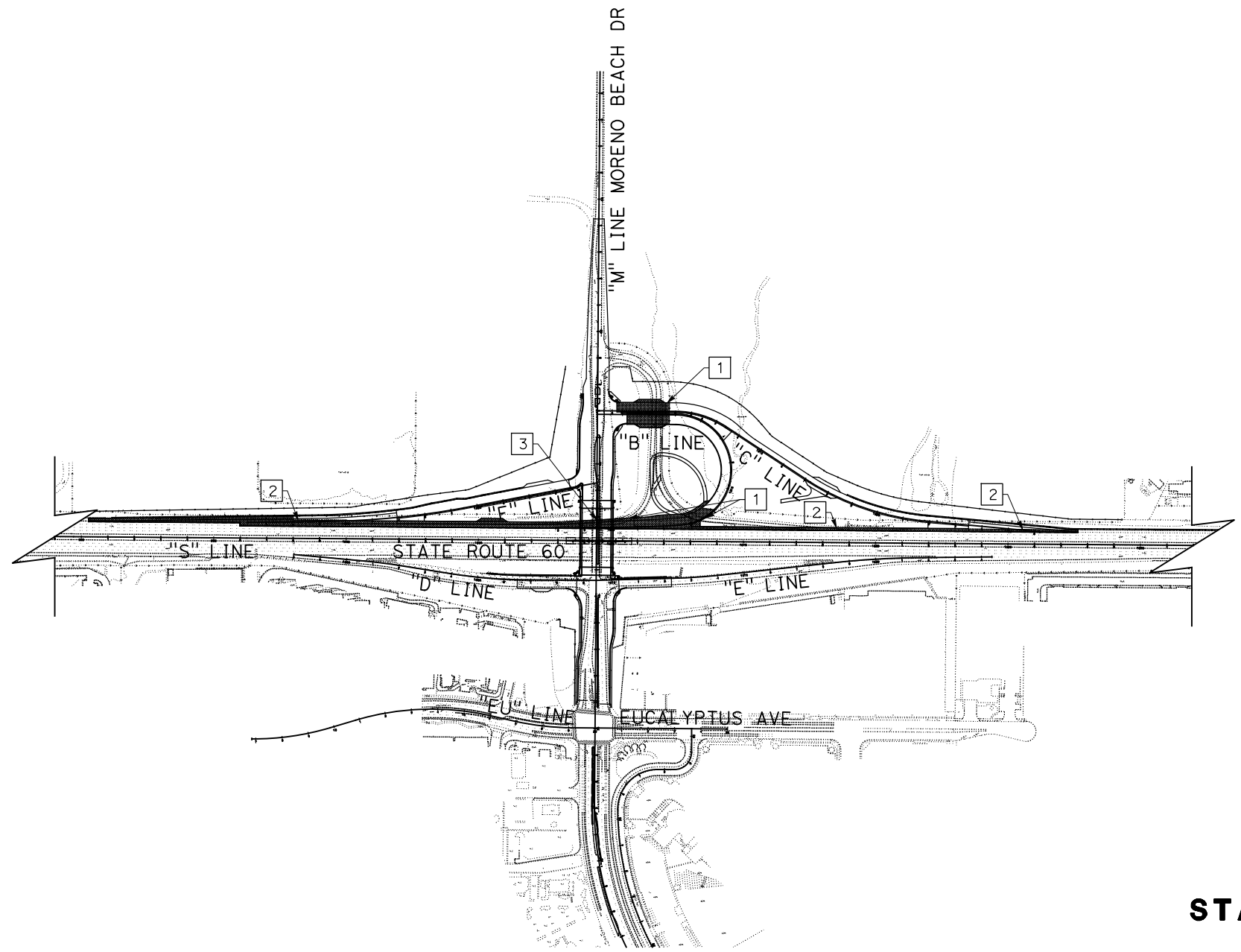
REVISED BY
 DATE REVISED

CONSTRUCTION NOTES IN THIS SHEET:

- 1] CONSTRUCT REMAINING IMPROVEMENTS TO RAMP LINES "B" AND "C" DURING RAMP CLOSURE. REMOVE EXISTING WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP. SEE MOTORIST INFORMATION PLAN FOR RAMP CLOSURE DETOUR DETAILS.
- 2] CONSTRUCT REMAINING IMPROVEMENTS TO WB STATE ROUTE 60. SHIFT TRAFFIC TO THE SOUTH.
- 3] REMOVE FOOTING OF BENT OF PREVIOUS MORENO BEACH OC UNDER RAMP LINE "B".

TRAFFIC HANDLING NOTES IN THIS SHEET:

- 1. FOR OVERNIGHT LANE CLOSURES ON MORENO BEACH DRIVE, SEE S+d PLAN T11.
- 2. REMOVE EXISTING WB STATE ROUTE 60 OFF-RAMP AND ON-RAMP DURING 10-DAY CLOSURE. DETOUR WILL BE REQUIRED; SEE MOTORIST INFORMATION PLAN FOR RAMP CLOSURE DETOUR DETAILS.
- 3. SHIFT WB STATE ROUTE 60 TRAFFIC TO THE SOUTH TO ACCOMODATE CONSTRUCTION OF OUTSIDE SHOULDER IMPROVEMENTS.
- 4. MORENO BEACH DRIVE WILL BE COMPLETE AND OPEN TO TRAFFIC.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	141	358

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 No. C 89012
 Exp. 09/30/20
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STAGE CONSTRUCTION PLAN
STAGE 3B
 NO SCALE
SC-5

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 NICOLE DEPUY

REVISOR
 DATE

MARIA WILSON
 CHRISTOPHER COMMONS

GENERAL NOTES:

- ALL CONFLICTING PAVEMENT DELINEATION, TEMPORARY RAILING (TYPE K), AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED PRIOR TO STARTING WORK ON EACH STAGE. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- LOCATIONS FOR CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER. CALIFORNIA CODES ARE DESIGNATED BY (CA). OTHERWISE, FEDERAL (MUTCD) CODES ARE SHOWN. UNLESS OTHERWISE NOTED, CONSTRUCTION AREA SIGNS SHALL HAVE BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND.
- INSIDE/OUTSIDE SHOULDER DIMENSIONS ARE MEASURED FROM THE BOTTOM EDGE OF BARRIER OR FLOW LINE OF CURB. OFFSETS AND DIMENSIONS TO TEMPORARY RAILING (TYPE K) ARE MEASURED TO THE BOTTOM EDGE OF BARRIER ADJACENT TO THE TRAVELED WAY.
- EXISTING DRAINAGE SYSTEM SHALL REMAIN IN PLACE UNTIL FINAL DRAINAGE SYSTEM IS IN PLACE AND OPERATIONAL.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING JOINT ELEVATIONS AND PAVEMENT/GRADE ELEVATIONS FOR PROPER LOCATIONS OF INLETS.
- WHEN WORKING OUTSIDE DESIGNATED STAGING AREAS, MINIMUM LANE REQUIREMENTS SHALL NOT BE REDUCED.
- IF EXISTING AND PERMANENT SIGNS ARE NOT SHOWN, SEE SIGN PLANS.
- SEE CONSTRUCTION AREA SIGNS AND MOTORIST INFORMATION PLANS FOR ADDITIONAL CONSTRUCTION AREA SIGNS.
- WHERE CLEARANCE FROM K-RAIL TO ANY FIXED WORK LOCATION IS LESS THAN 24", STAKE K-RAIL ELEMENTS PER NOTE 3 ON STANDARD PLAN T3B.
- TEMPORARY PAVEMENT SHALL BE 0.40' HMA (TYPE A) OVER 0.45' CI 2 AB.

LEGEND FOR TRAFFIC HANDLING PLANS (ALL STAGES):

- COMPLETE WORK IN THIS STAGE
- COMPLETE WORK IN THIS STAGE DONE IN 10-DAY CLOSURE
- COMPLETE WORK IN THIS STAGE DONE IN EXTENDED CLOSURE
- COMPLETE TEMPORARY PAVEMENT WORK IN THIS STAGE
- TEMPORARY CRASH CUSHION MODULES, ARRAY PER PLAN
- ALTERNATIVE TEMPORARY CRASH CUSHION
- TYPE III BARRICADE (WITH CONSTRUCTION AREA SIGN AS NOTED ON PLANS)
- (XX') EXISTING LANE DIMENSION
- DIRECTION OF TRAFFIC
- PAVEMENT DELINEATION DETAIL NUMBER
- PAVEMENT DELINEATION ANGLE POINT
- CONSTRUCTION AREA SIGN (ONE POST)
- TEMPORARY RAILING (TYPE K)
- TEMPORARY RAILING (TYPE K) TO REMAIN IN PLACE FROM PREVIOUS STAGE
- CHANNELIZER (SURFACE MOUNTED) OR OBJECT MARKER
- CONSTRUCTION AREA SIGN No.
- FINAL PAVEMENT DELINEATION, SEE PAVEMENT DELINEATION PLANS



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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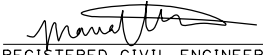
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TRAFFIC HANDLING PLAN

TH-1

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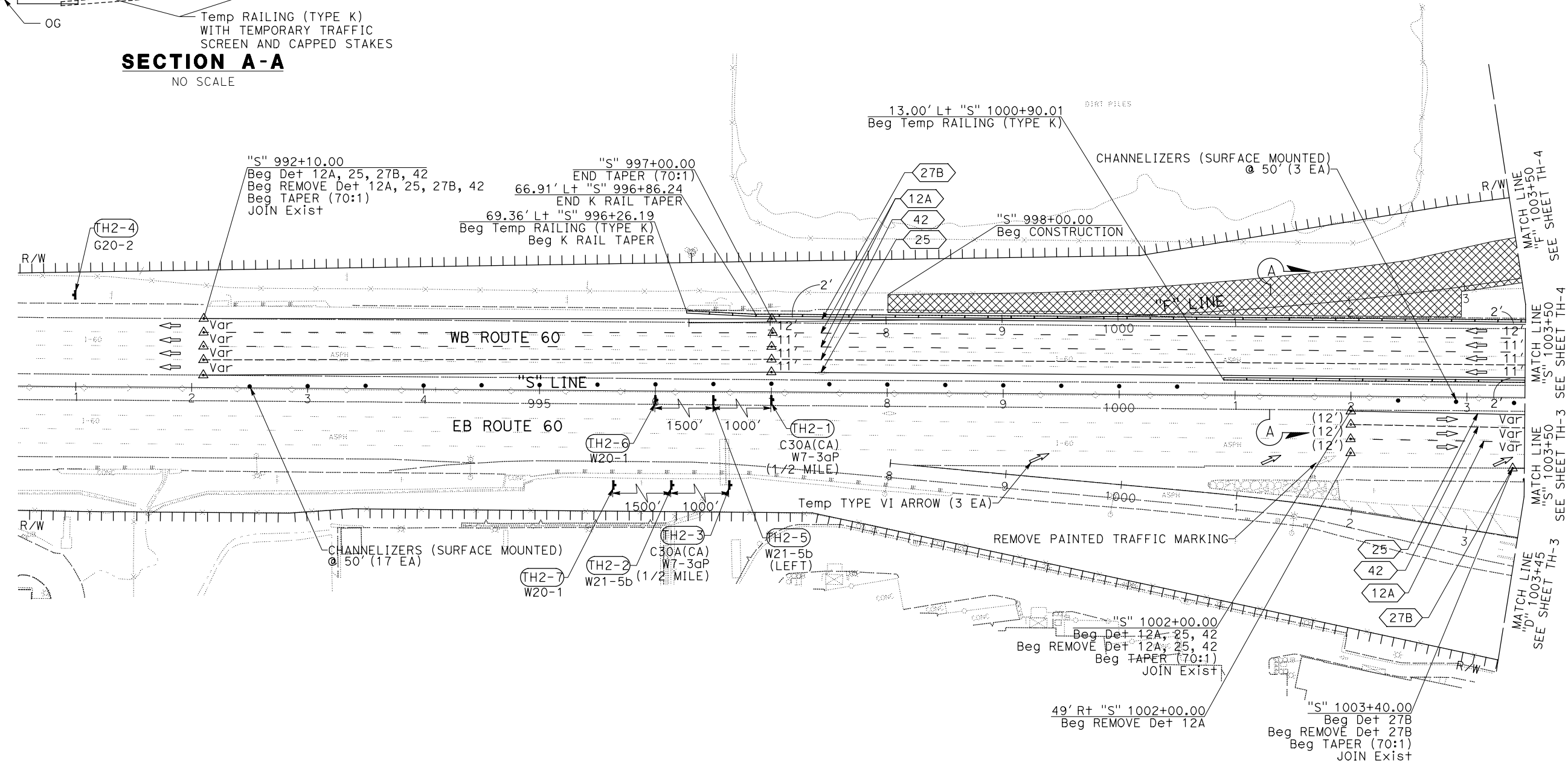
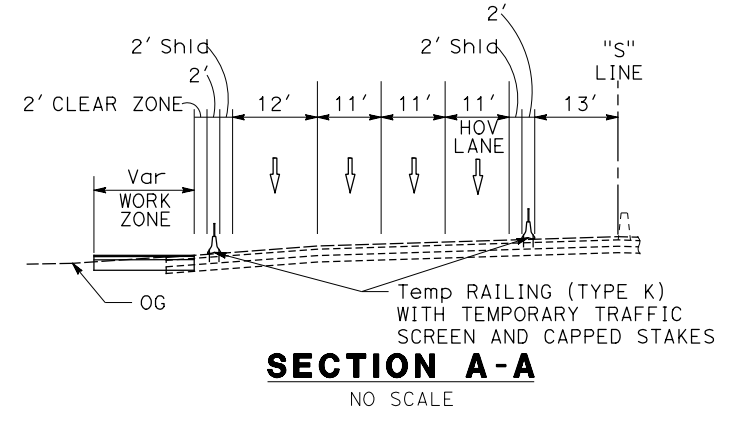
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	143	358
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NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SHOULDER CLOSURE, SEE S+d PLAN T10.



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REVISOR	DATE

BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES

UNIT 2232

PROJECT NUMBER & PHASE

08120000591

TRAFFIC HANDLING PLAN

STAGE 1A

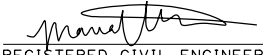

SCALE: 1" = 50'

TH-2

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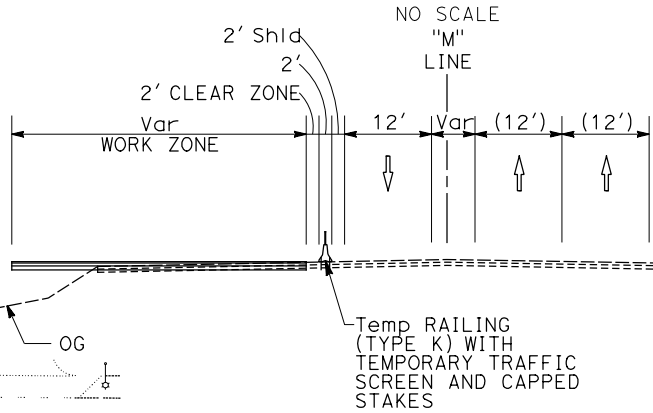
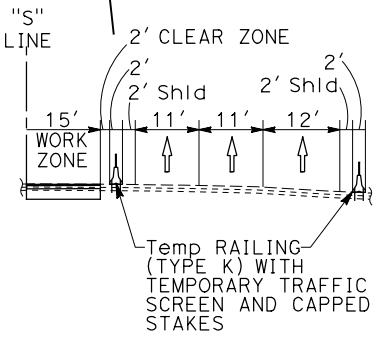
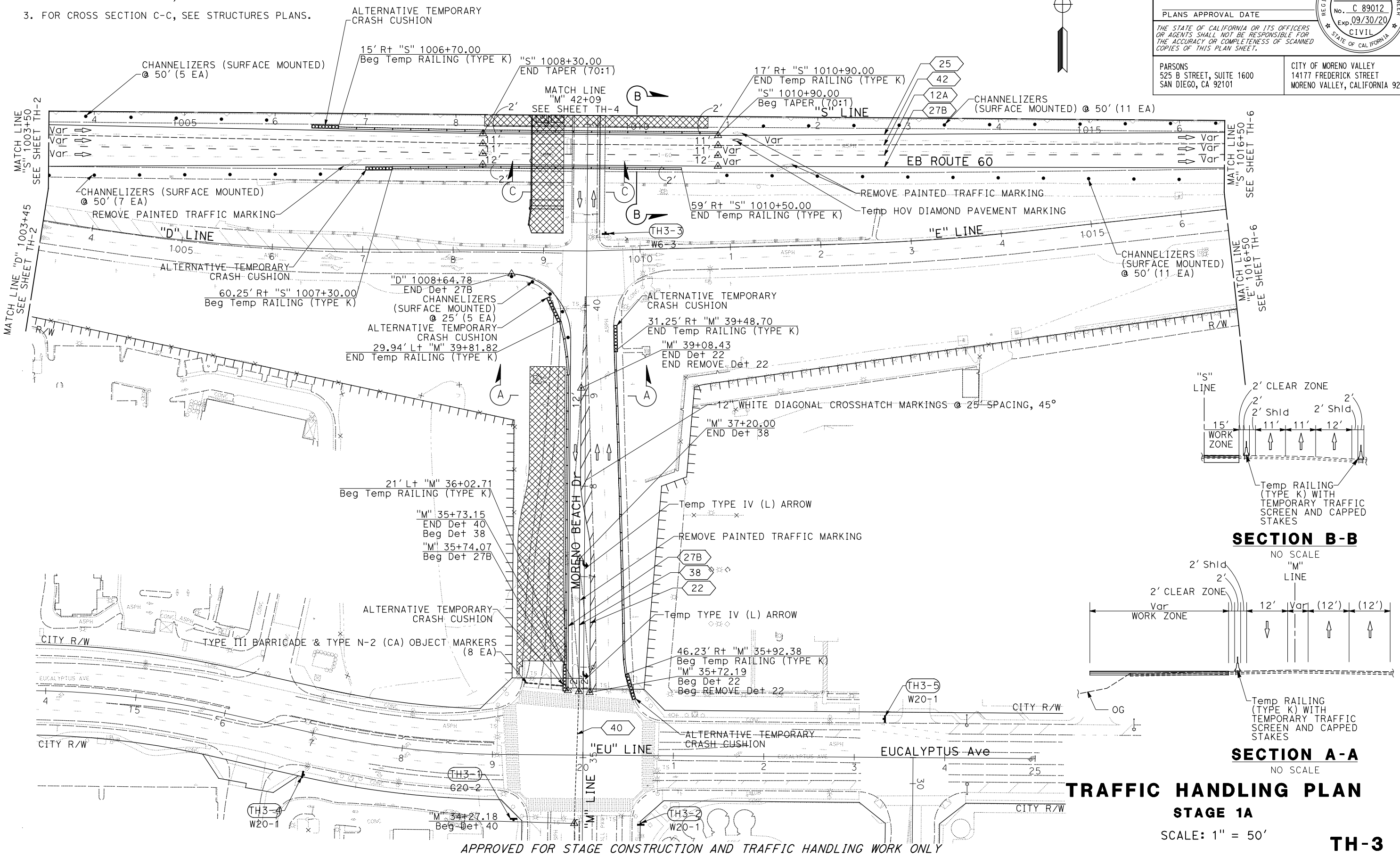
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	144	358

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NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR PEDESTRIAN DETOUR, SEE TH-35.
- FOR CROSS SECTION C-C, SEE STRUCTURES PLANS.



TRAFFIC HANDLING PLAN

STAGE 1A

SCALE: 1" = 50'

TH-3

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NOTES:

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2. FOR PEDESTRIAN DETOUR, SEE TH-35.
3. FOR PLACEMENT OF Temp RAILING (TYPE K) ON CURVES, SEE Std PLAN T3B NOTE #1.
4. FOR SHOULDER CLOSURE, SEE Std PLAN T10.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	145	358

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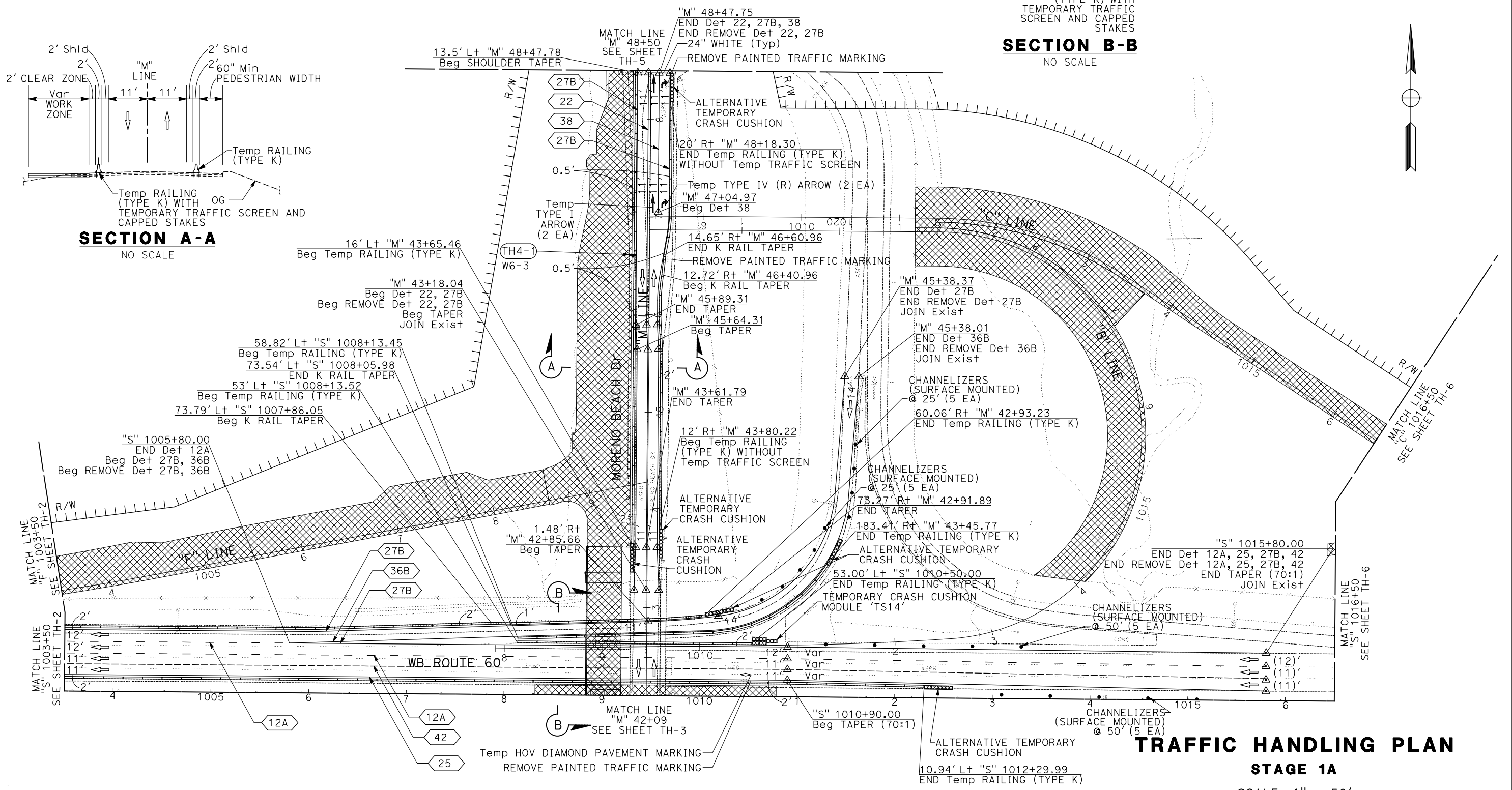
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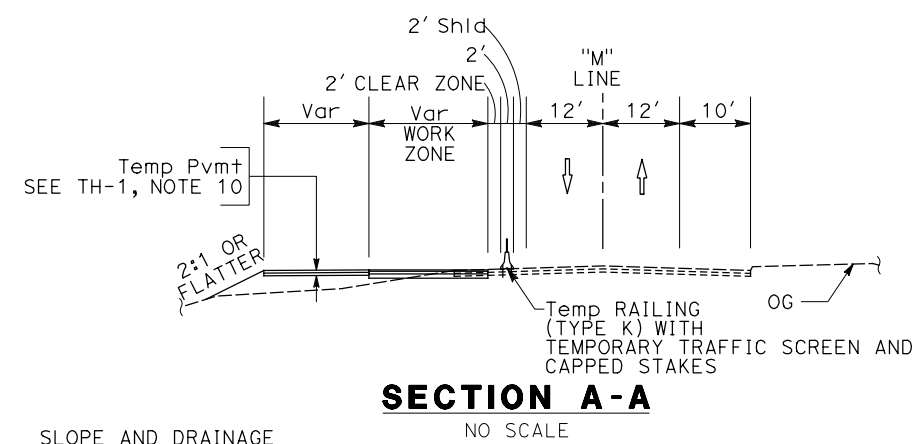
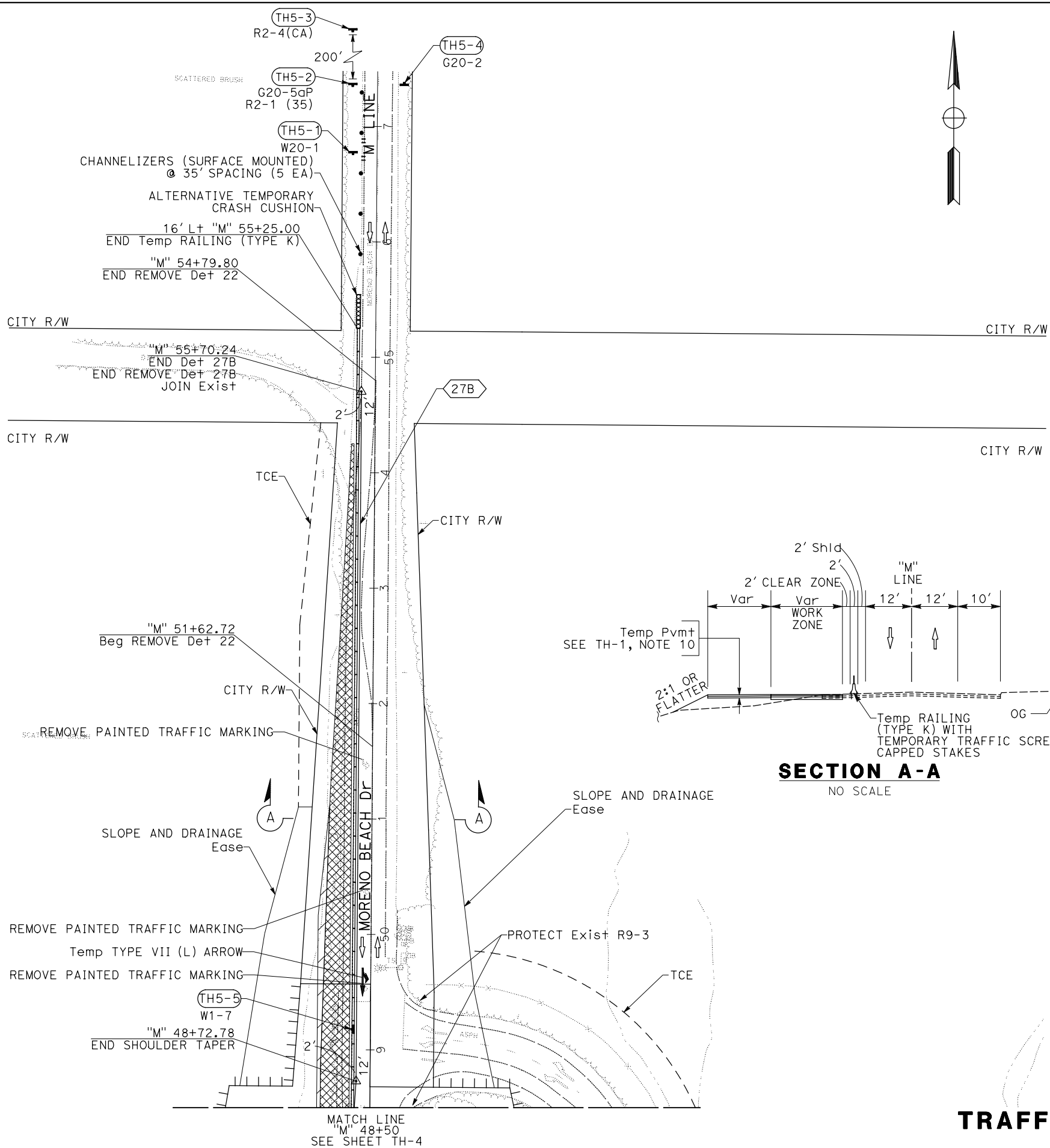
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DESIGN BRANCH H
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 CALCULATED/DESIGNED BY: CHRISTOPHER COMMONS
 CHECKED BY: MARIA WILSON
 REVISIONS:
 1. REVISED BY: DATE
 2. REVISED BY: DATE
 3. REVISED BY: DATE
 4. REVISED BY: DATE



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Caltrans		NICOLE DEPUY	CHRISTOPHER COMMONS	MARIA WILSON		
					REVISOR	DATE

NOTE:
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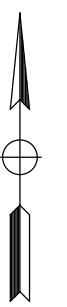
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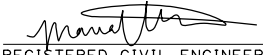


TRAFFIC HANDLING PLAN
STAGE 1A
SCALE: 1" = 50'
TH-5

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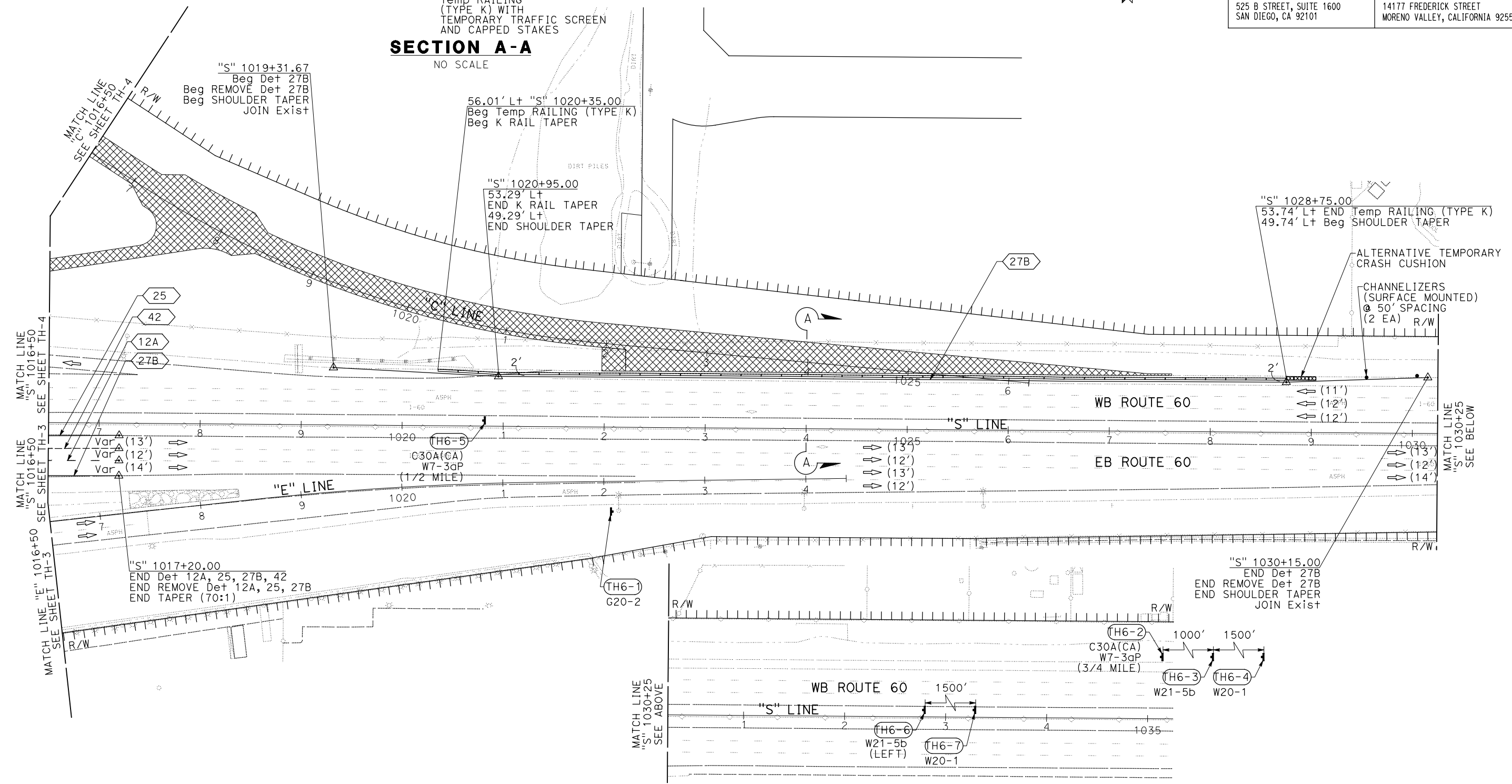
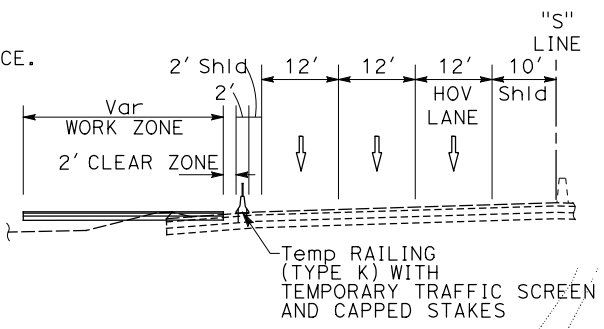
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PLANS APPROVAL DATE	
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SHOULDER CLOSURE, SEE S+d PLAN T10.

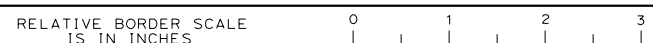


APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN
STAGE 1A
SCALE: 1" = 50'
TH-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISOR	DATE
REVISOR	DATE

USERNAME => p003256D
DGN FILE => 0812000059md006.dgn



UNIT 2232

PROJECT NUMBER & PHASE

08120000591

LAST REVISION: DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 09:19

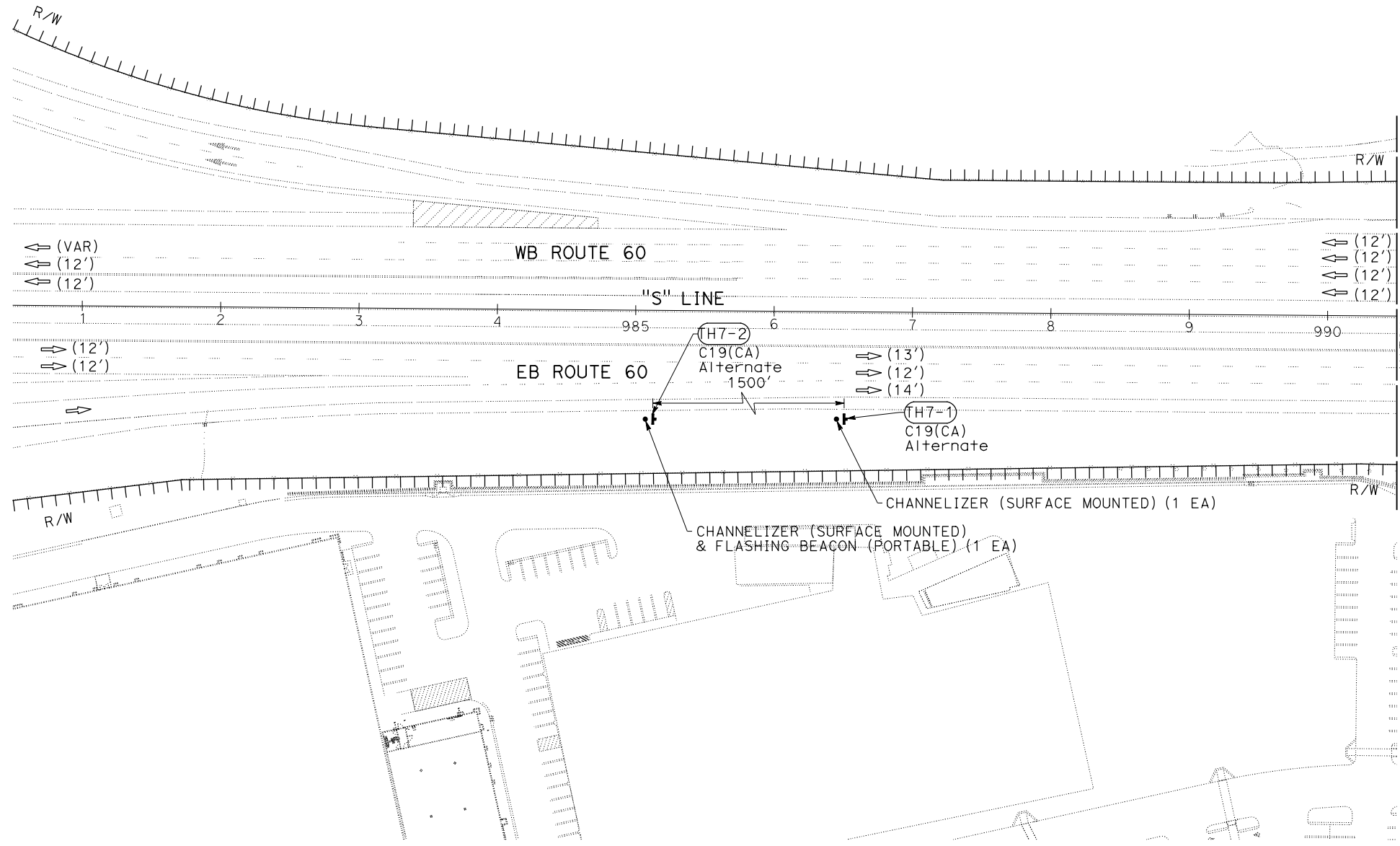
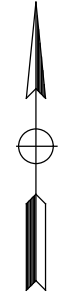
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
3. FOR EXIT RAMP CLOSURE TRAFFIC CONTROL, SEE S+D PLAN T14.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	148	358

REGISTERED CIVIL ENGINEER: *Maria Wilson* DATE: 07/01/20
 REGISTERED PROFESSIONAL ENGINEER: MARIA WILSON No. C 89012 Exp. 09/30/20 CIVIL
 PLANS APPROVAL DATE: _____
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

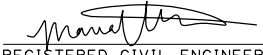
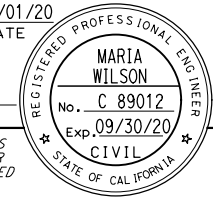
STAGE 1B

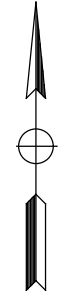
SCALE: 1" = 50'

TH-7

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY


LAST REVISION: DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:20

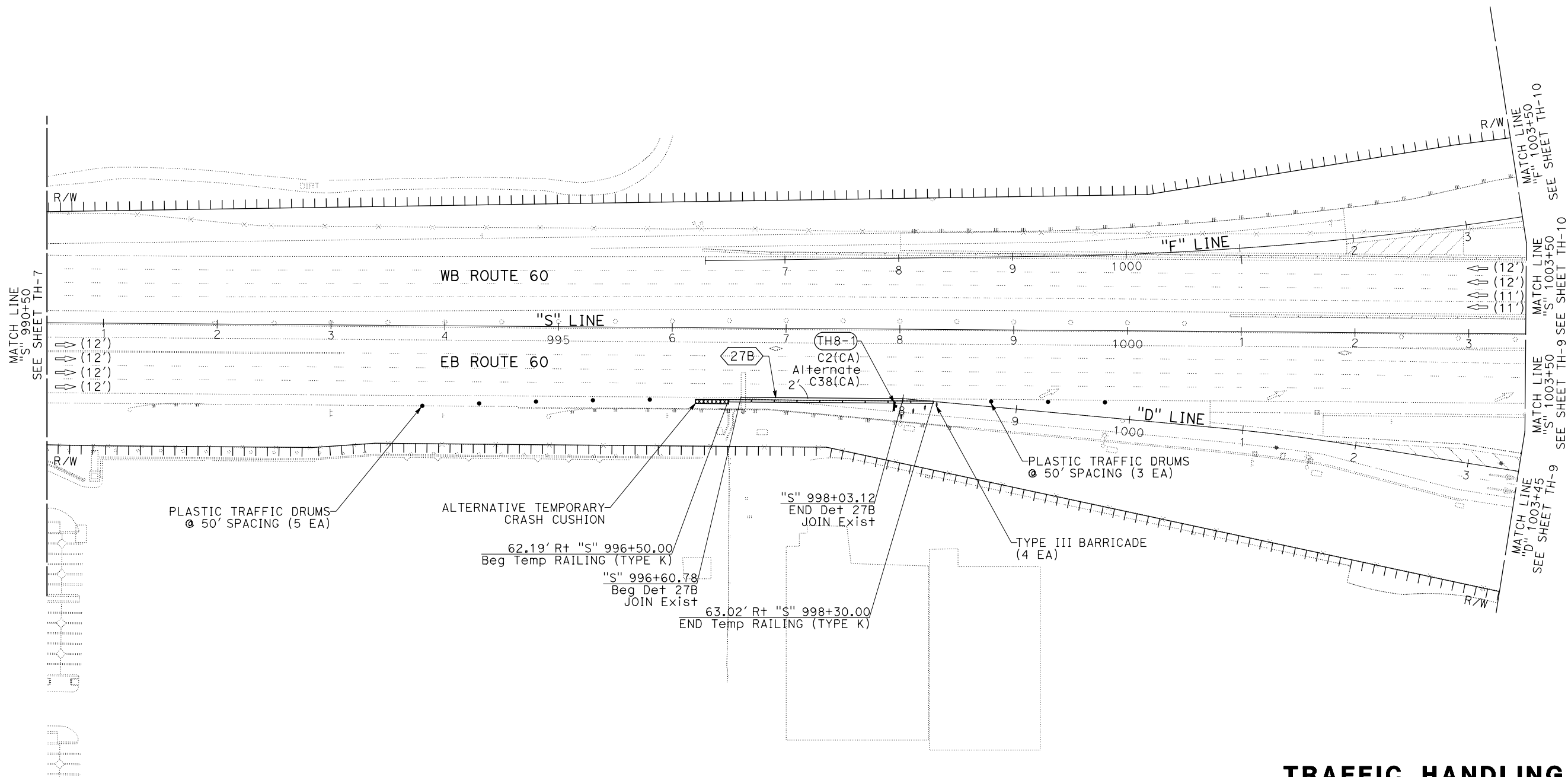
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	149	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
- FOR EXIT RAMP CLOSURE TRAFFIC CONTROL, SEE S+d PLAN T14.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE
		NICOLE DEPUY	CHRISTOPHER COMMONS	MARIA WILSON	



TRAFFIC HANDLING PLAN

STAGE 1B

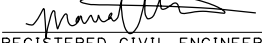
SCALE 1" = 50'

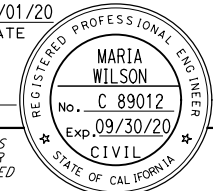
TH-8

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

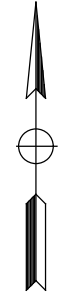
LAST REVISION DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 09:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	150	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



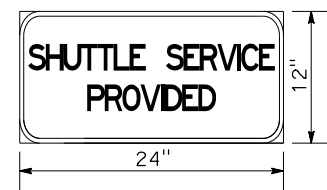
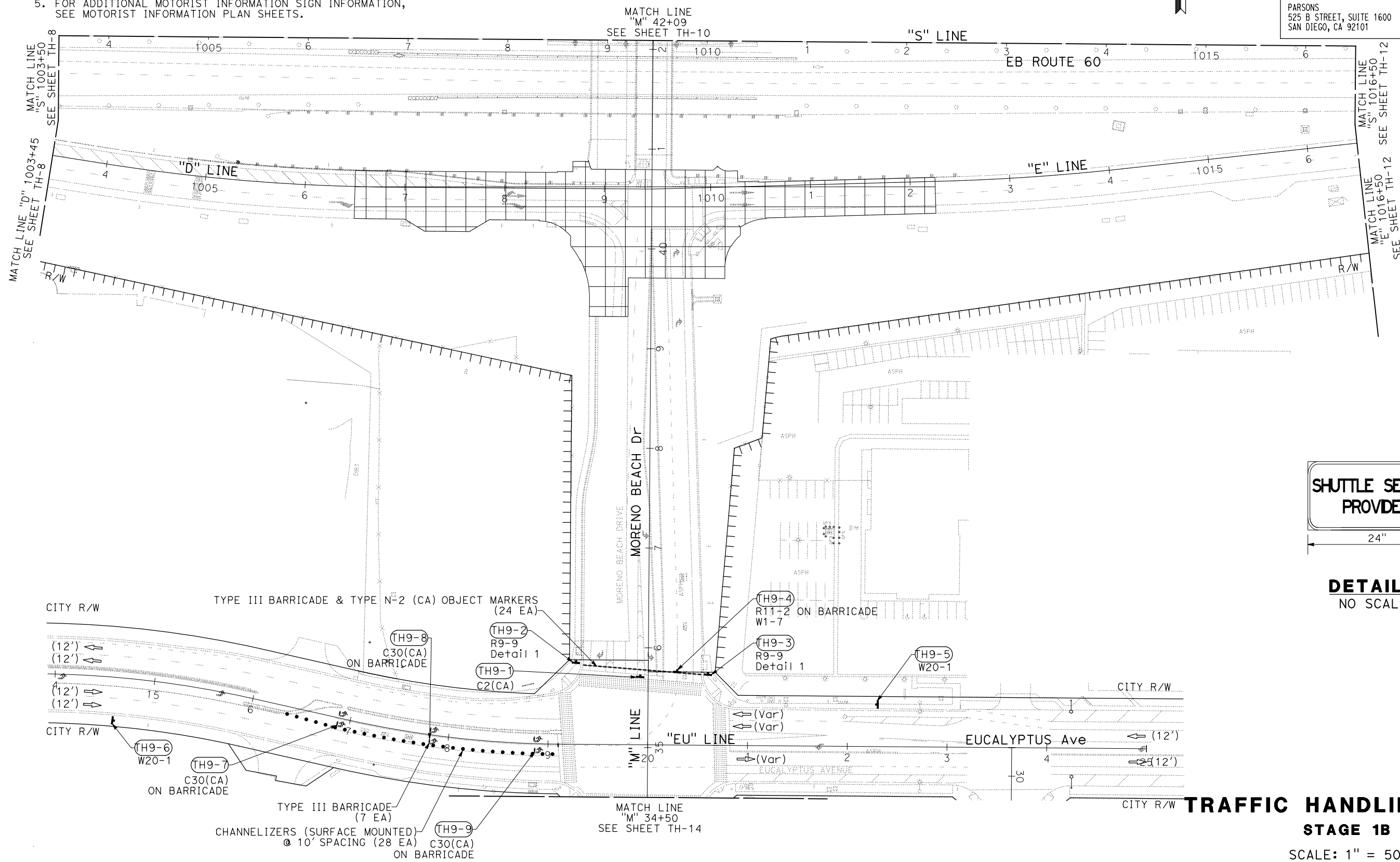
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
- FOR LEFT TURN CLOSURE, SEE Std PLAN T14.
- CONTRACTOR TO INCLUDE INSTRUCTIONS FOR HOW PEDESTRIANS WILL GET TO SHUTTLE SERVICE.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR
Caltrans		NICOLE DEPUY	MARIA WILSON
		CHECKED BY	DATE REVISED
		CHRISTOPHER COMMONS	
		CALCULATED-DESIGNED BY	



DETAIL 1
NO SCALE

TRAFFIC HANDLING PLAN

STAGE 1B

SCALE: 1" = 50'

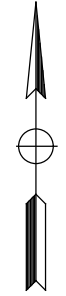
TH-9

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 09:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	151	358

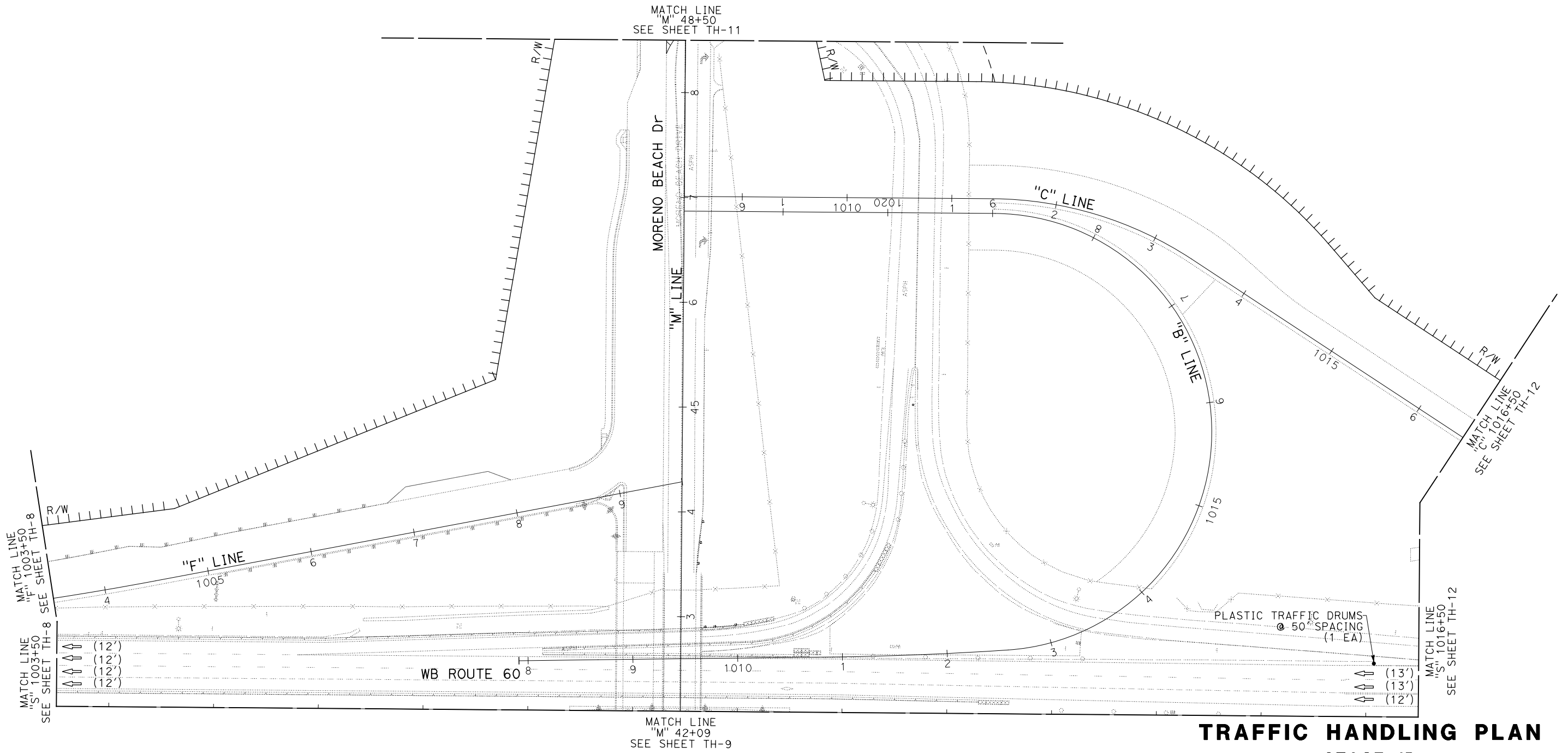
<i>Maria Wilson</i> REGISTERED CIVIL ENGINEER	07/01/20 DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
- SEE TH-1, NOTE 10 FOR TEMPORARY PAVEMENT STRUCTURAL SECTION.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISOR	DATE



TRAFFIC HANDLING PLAN
STAGE 1B
 SCALE: 1" = 50'
TH-10

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

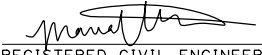
MARIA WILSON
 CHRISTOPHER COMMONS

REVISED BY
 DATE REVISED

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- SEE TH-1, NOTE 10 FOR TEMPORARY PAVEMENT STRUCTURAL SECTION.

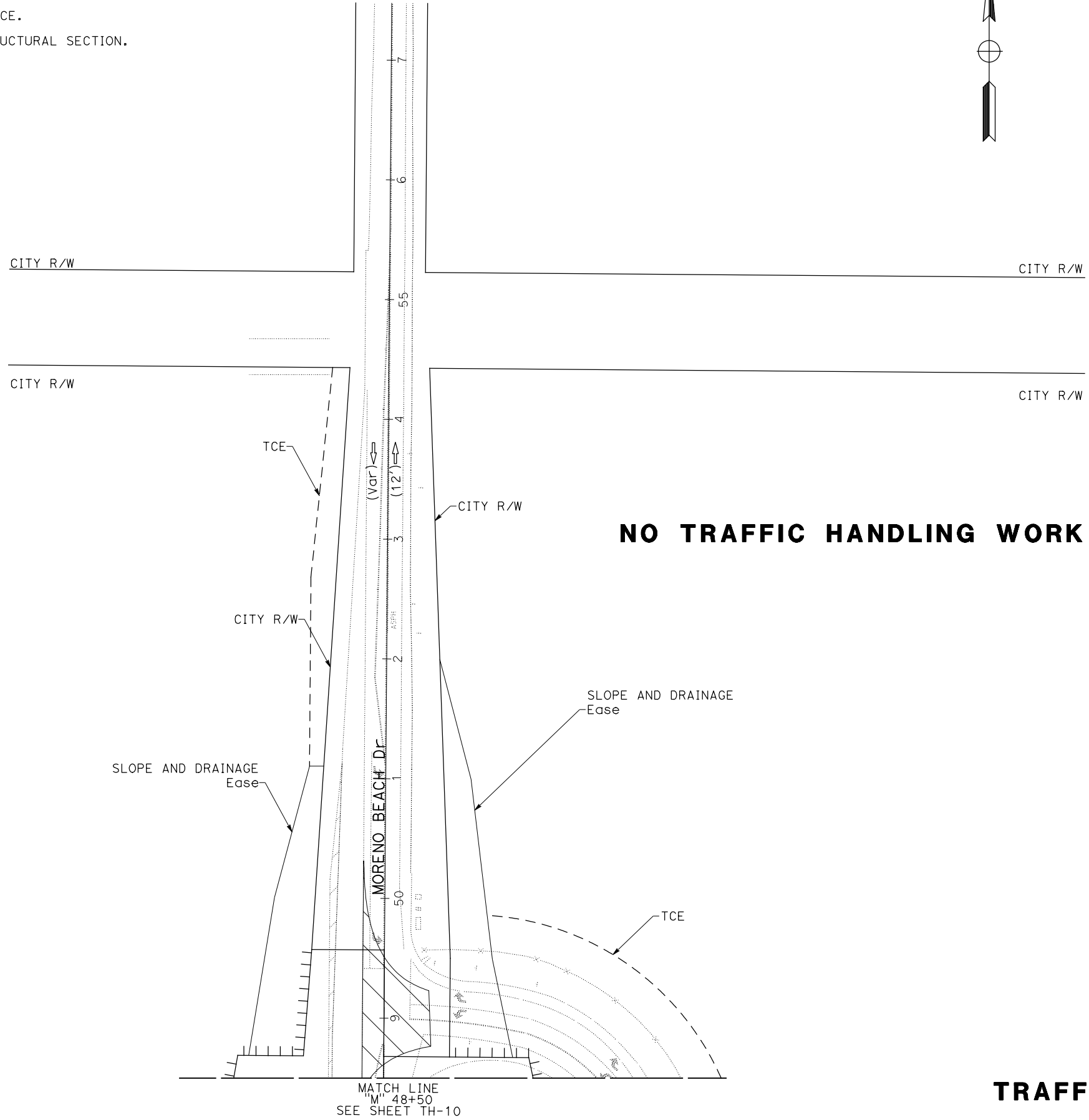
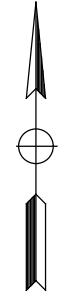
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	152	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE _____
 REGISTERED PROFESSIONAL ENGINEER
MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



NO TRAFFIC HANDLING WORK THIS SHEET

TRAFFIC HANDLING PLAN

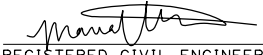
STAGE 1B

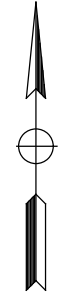
SCALE: 1" = 50'

TH-11

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

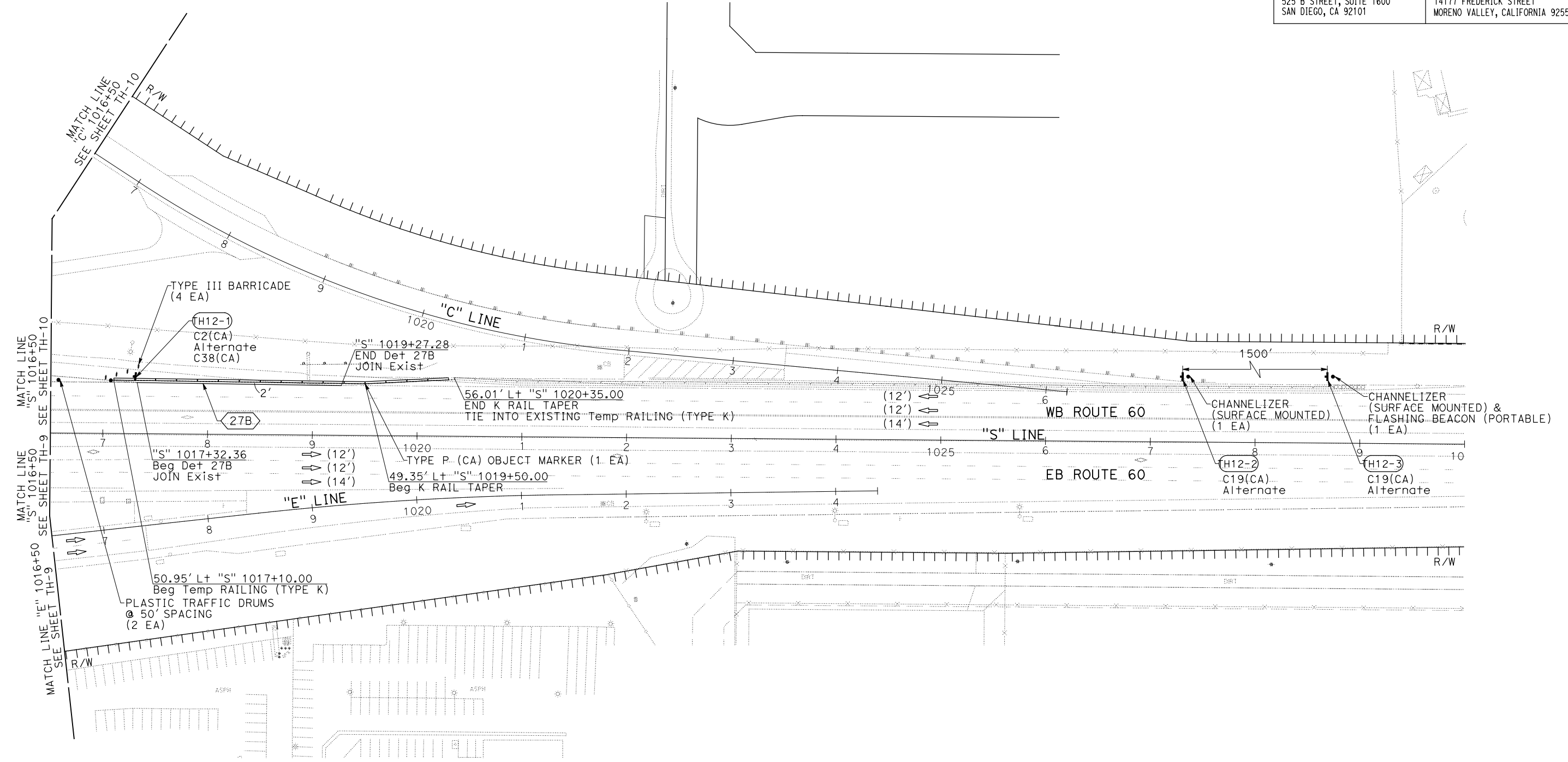
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	153	358

 REGISTERED CIVIL ENGINEER	07/01/20 DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
- FOR EXIT RAMP CLOSURE TRAFFIC CONTROL, SEE S+d PLAN T14.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	MARIA WILSON	REVISOR BY	DATE
						CHRISTOPHER COMMONS		

TRAFFIC HANDLING PLAN
STAGE 1B
 SCALE: 1" = 50'
TH-12

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

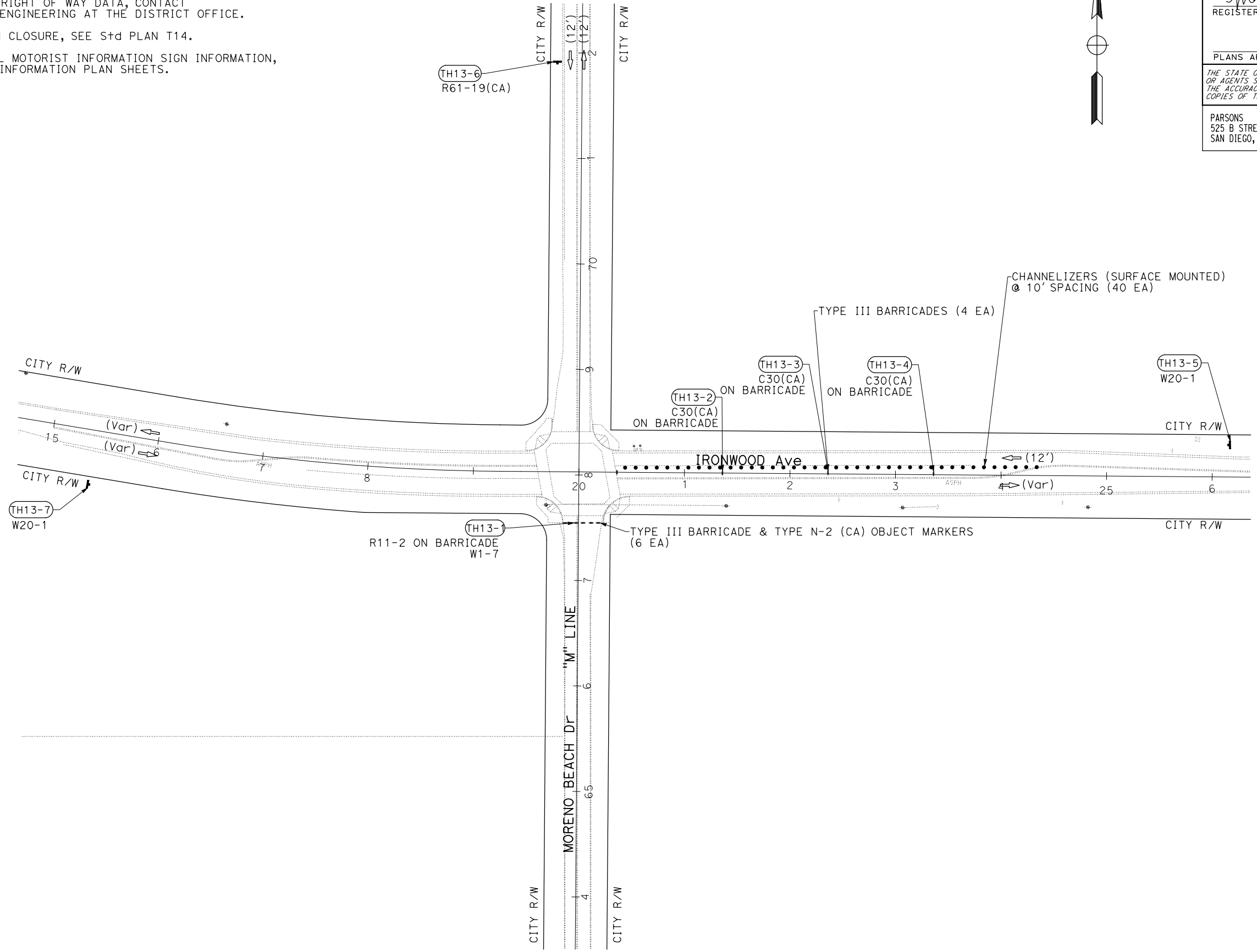
CALCULATED-DESIGNED BY
 CHECKED BY

MARIA WILSON
 CHRISTOPHER COMMONS

REVISED BY
 DATE REVISED

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR LEFT TURN CLOSURE, SEE S+d PLAN T14.
3. FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	154	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

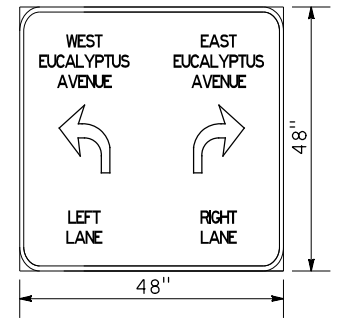
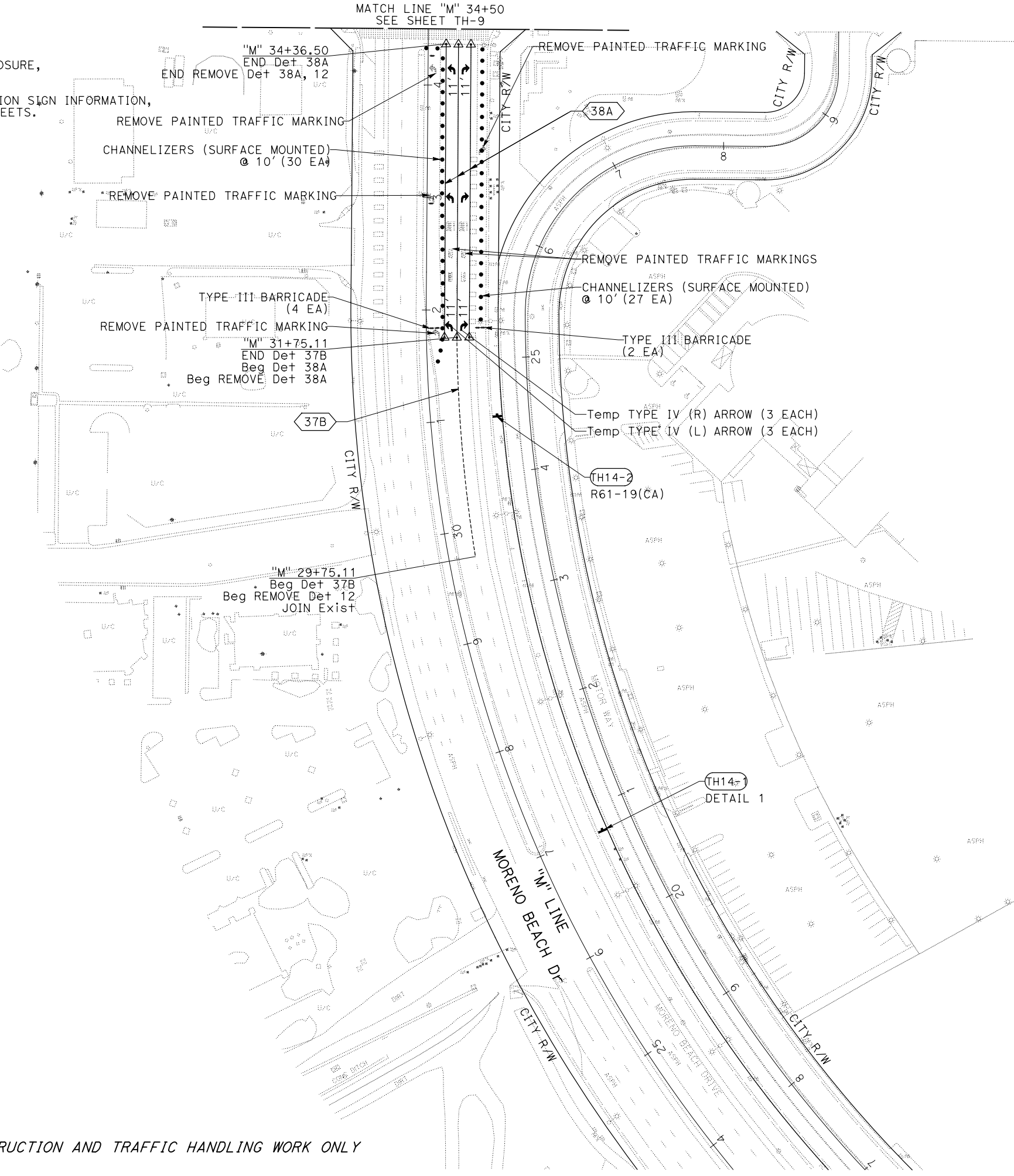
STAGE 1B

SCALE: 1" = 50'

TH-13

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

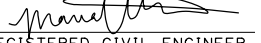

- NOTES:**
- FOR LEFT TURN AND RIGHT TURN CLOSURE, SEE Std PLAN T14.
 - FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.



DETAIL 1
 NO SCALE

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN
STAGE 1B
 SCALE: 1" = 50'
TH-14

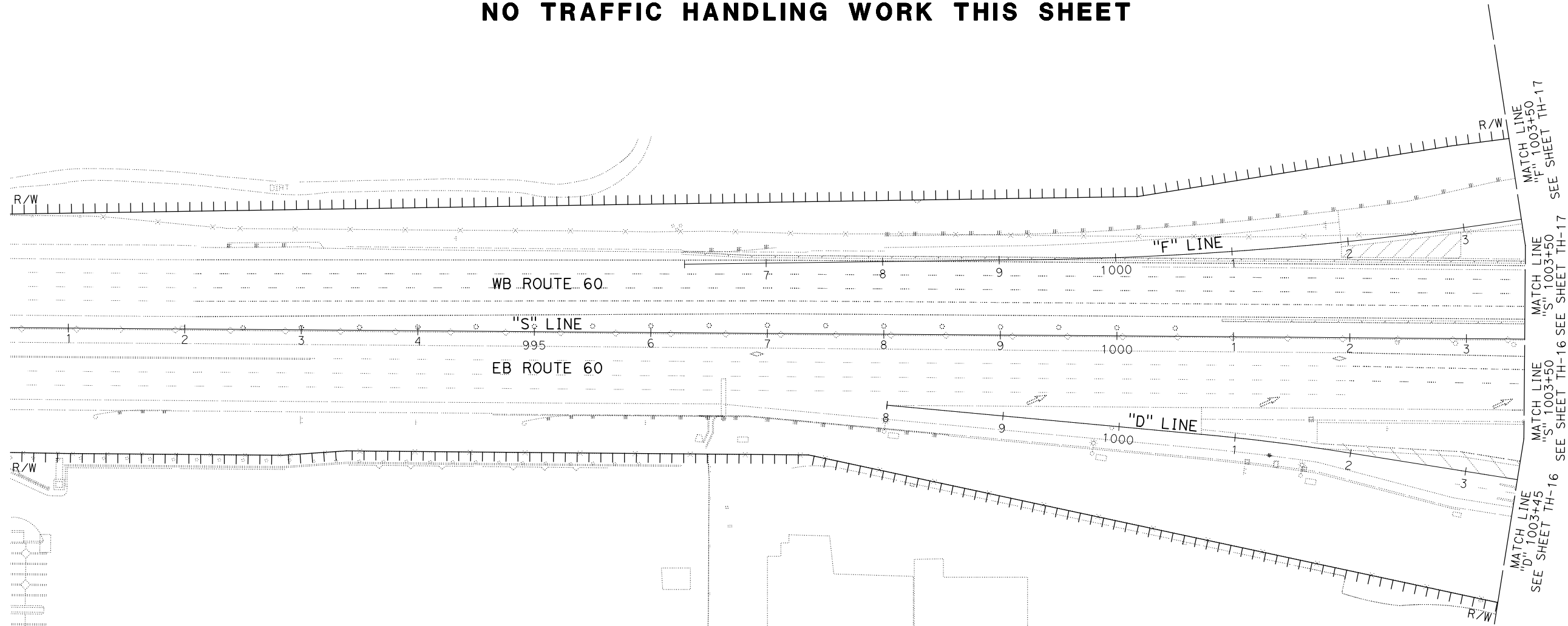
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	156	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.

NO TRAFFIC HANDLING WORK THIS SHEET




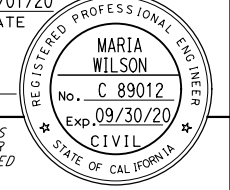
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED

TRAFFIC HANDLING PLAN
STAGE 2
 SCALE: 1" = 50'
TH-15

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	157	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

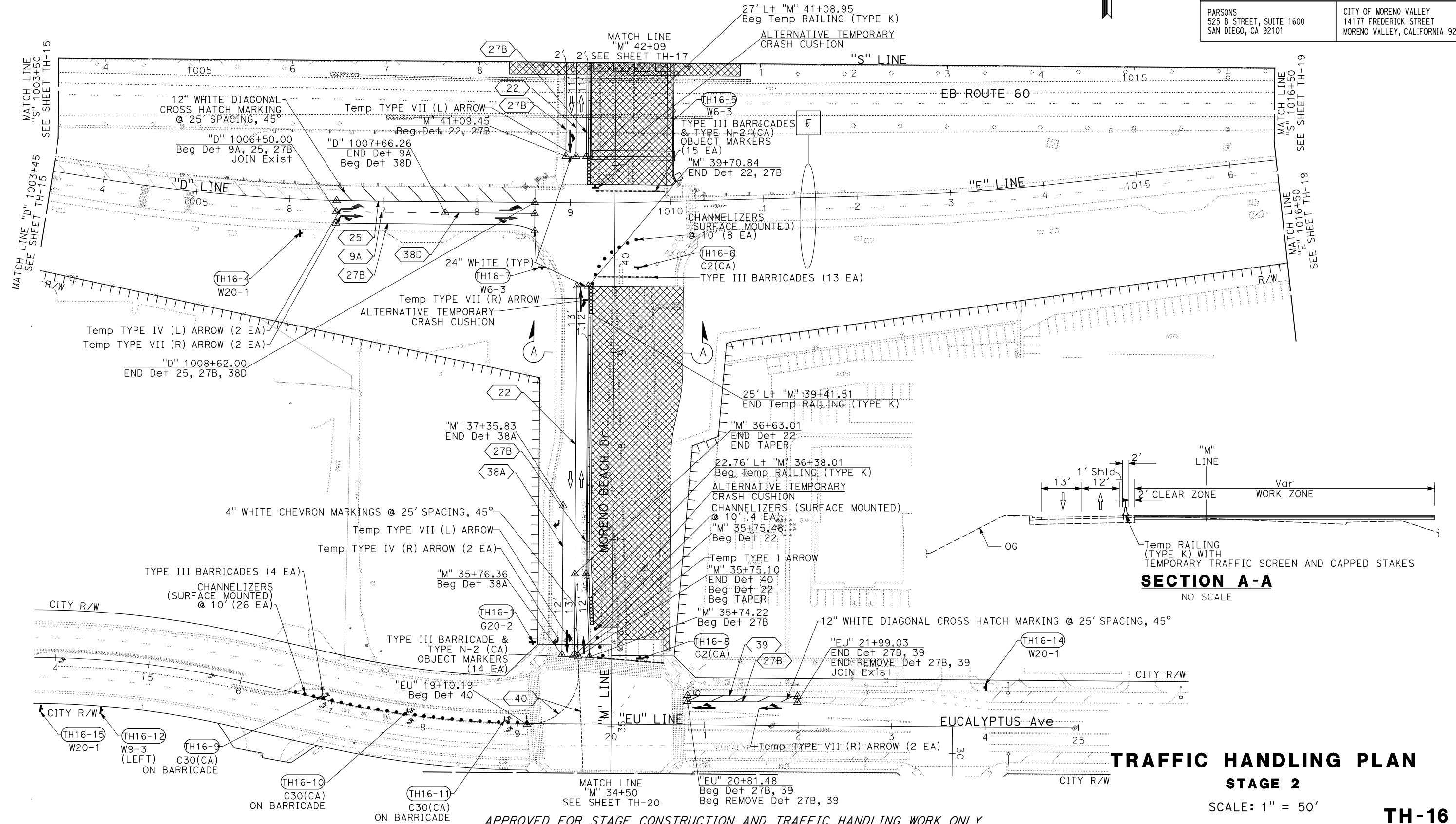
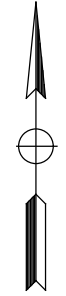


PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.
- FOR ALTERNATIVE TRUCK ROUTE FOR LEFT-TURN TO NB MORENO BEACH DRIVE FROM EB SR-60 OFF-RAMP, SEE MI-8.
- FOR LEFT TURN LANE CLOSURE, SEE S+d PLAN T14.



SECTION A-A
NO SCALE

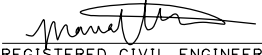
TRAFFIC HANDLING PLAN
STAGE 2

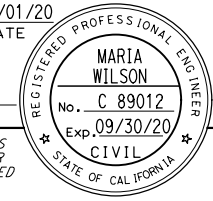
SCALE: 1" = 50'

TH-16

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

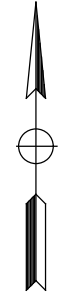
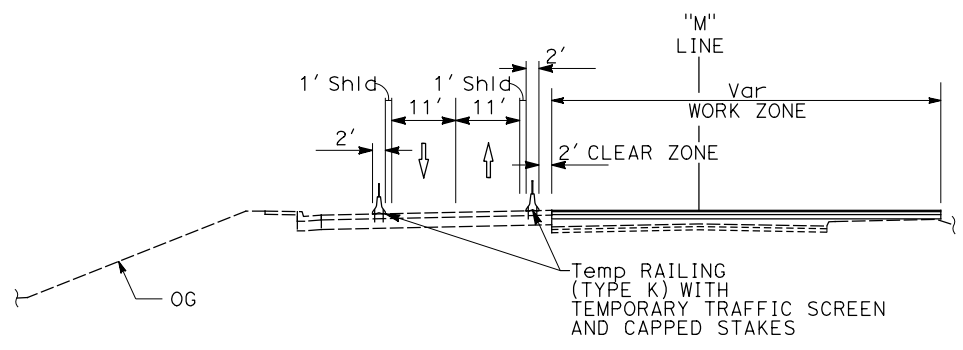
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CHECKED BY	CHRISTOPHER COMMONS
DESIGNED BY	MARIA WILSON
REVISOR	DATE
REVISOR	DATE
REVISOR	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	158	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

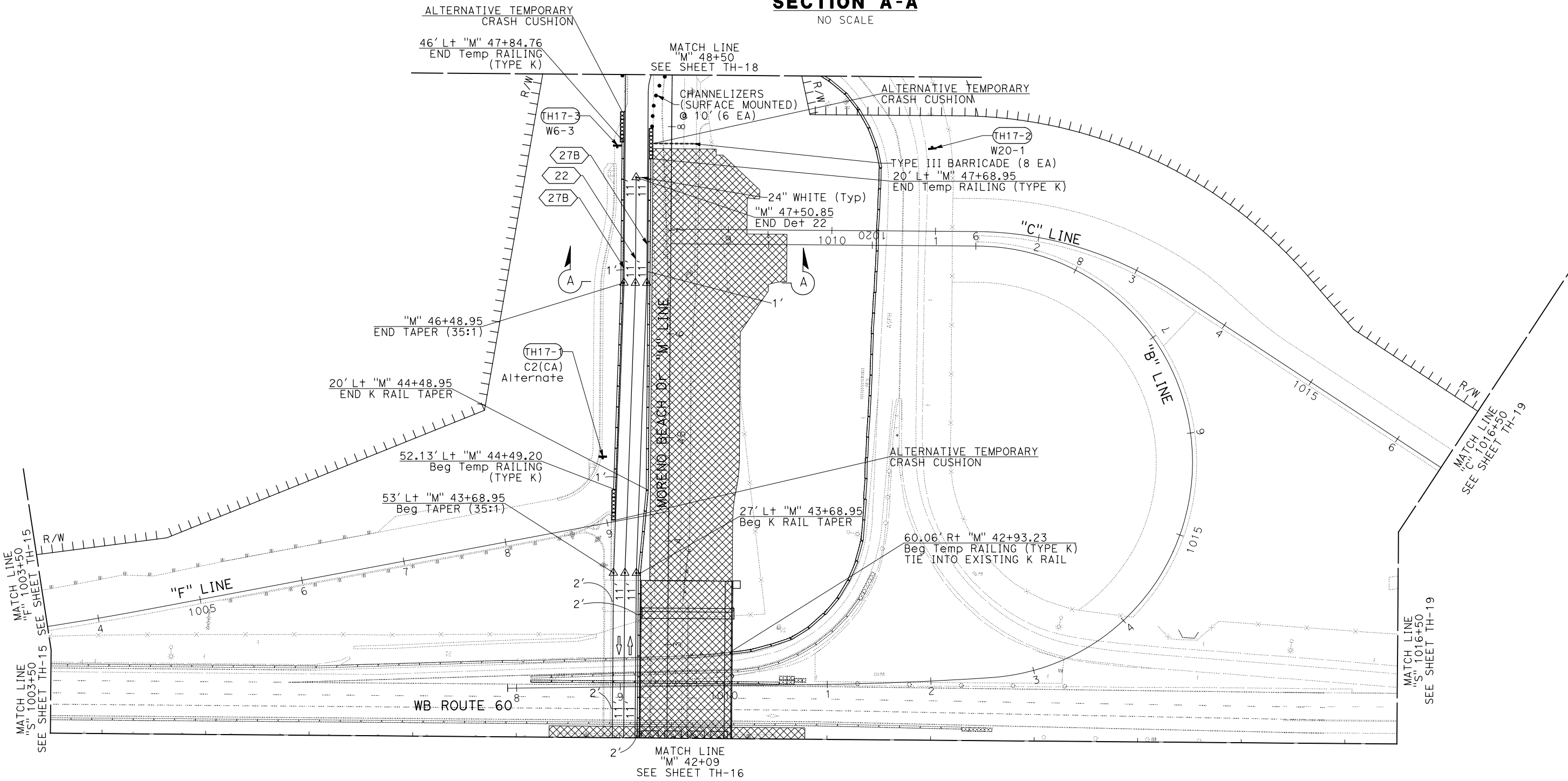


NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.



SECTION A-A
NO SCALE



TRAFFIC HANDLING PLAN
STAGE 2

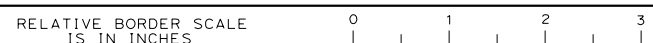
SCALE: 1" = 50'

TH-17

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
REVISOR	DATE
MARIA WILSON	CHRISTOPHER COMMONS
REVISOR	DATE

USERNAME => p003256D
DGN FILE => 0812000059md017.dgn



UNIT 2232

PROJECT NUMBER & PHASE

08120000591

BORDER LAST REVISED 7/2/2010

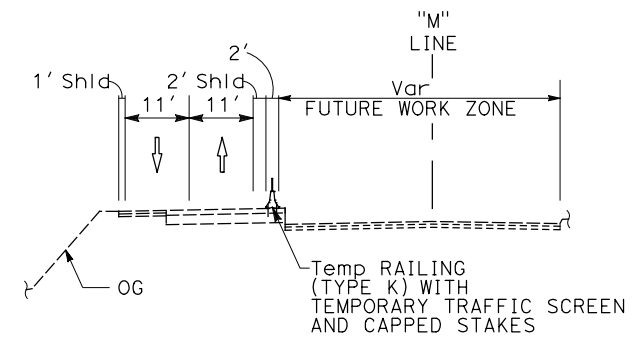
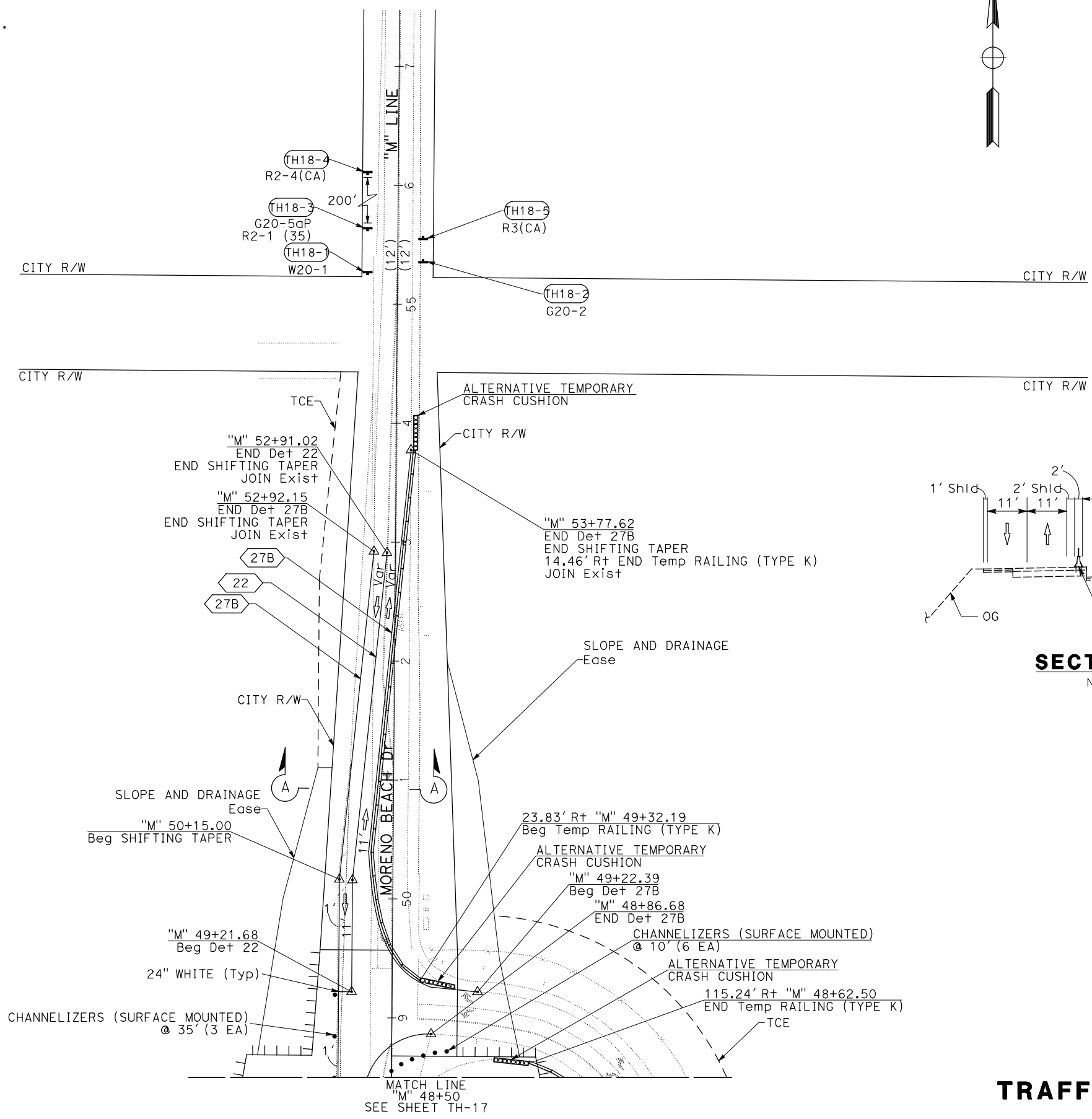
LAST REVISION DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 09:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY DATE REVISOR DATE REVISOR

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	159	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 MARIA WILSON No. C 89012 Exp. 09/30/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



SECTION A-A
 NO SCALE

TRAFFIC HANDLING PLAN

STAGE 2

SCALE: 1" = 50'

TH-18

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

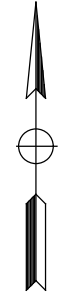
LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	160	358

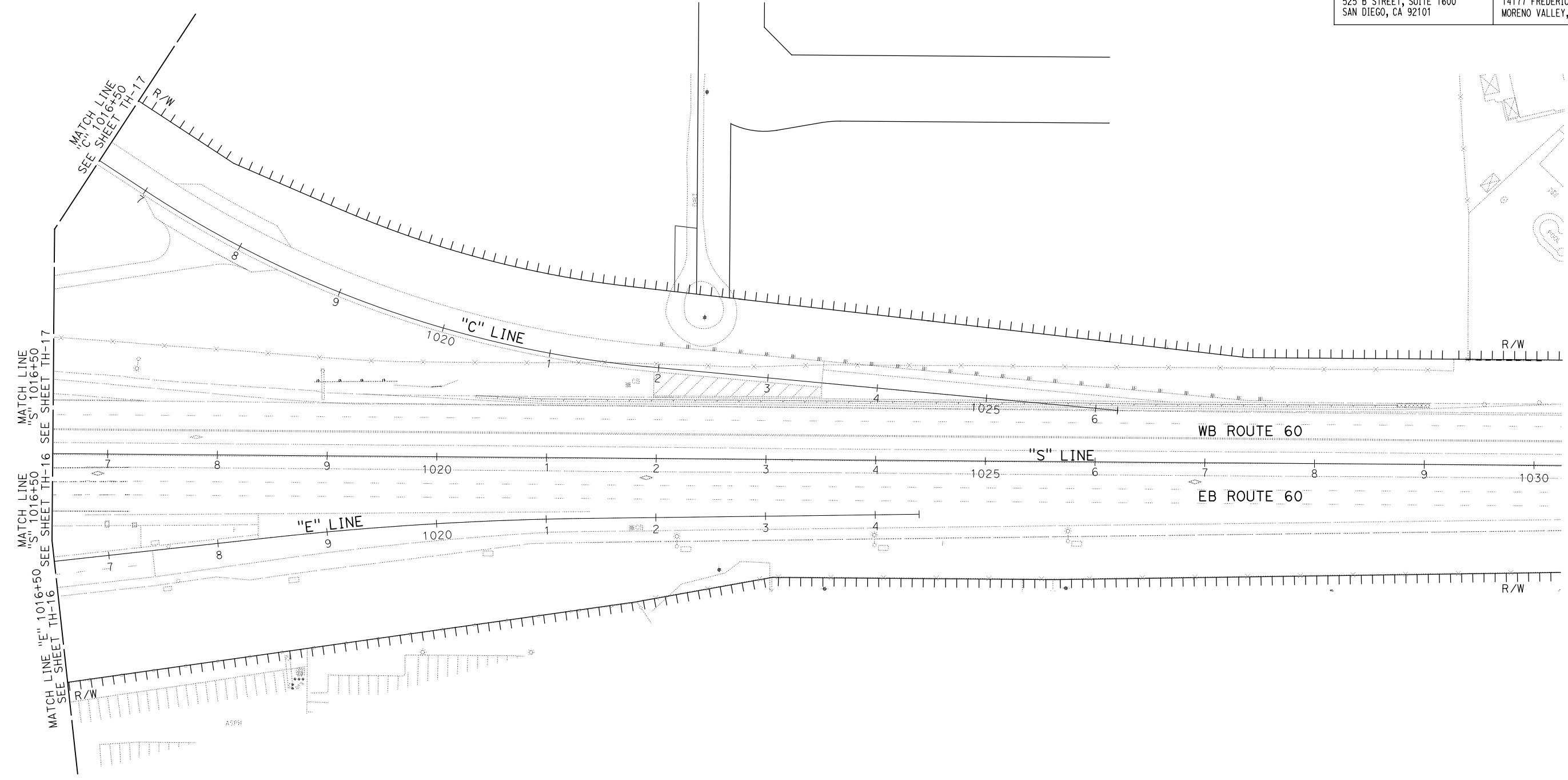
<i>Maria Wilson</i> REGISTERED CIVIL ENGINEER	07/01/20 DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A ALONG SR-60 TO REMAIN IN PLACE.



NO TRAFFIC HANDLING WORK THIS SHEET



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED

TRAFFIC HANDLING PLAN
STAGE 2
 SCALE: 1" = 50'
TH-19

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:23

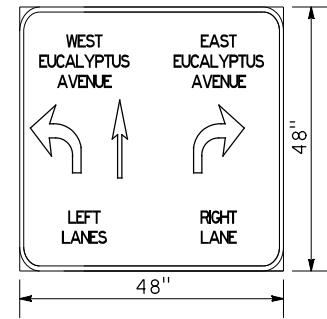
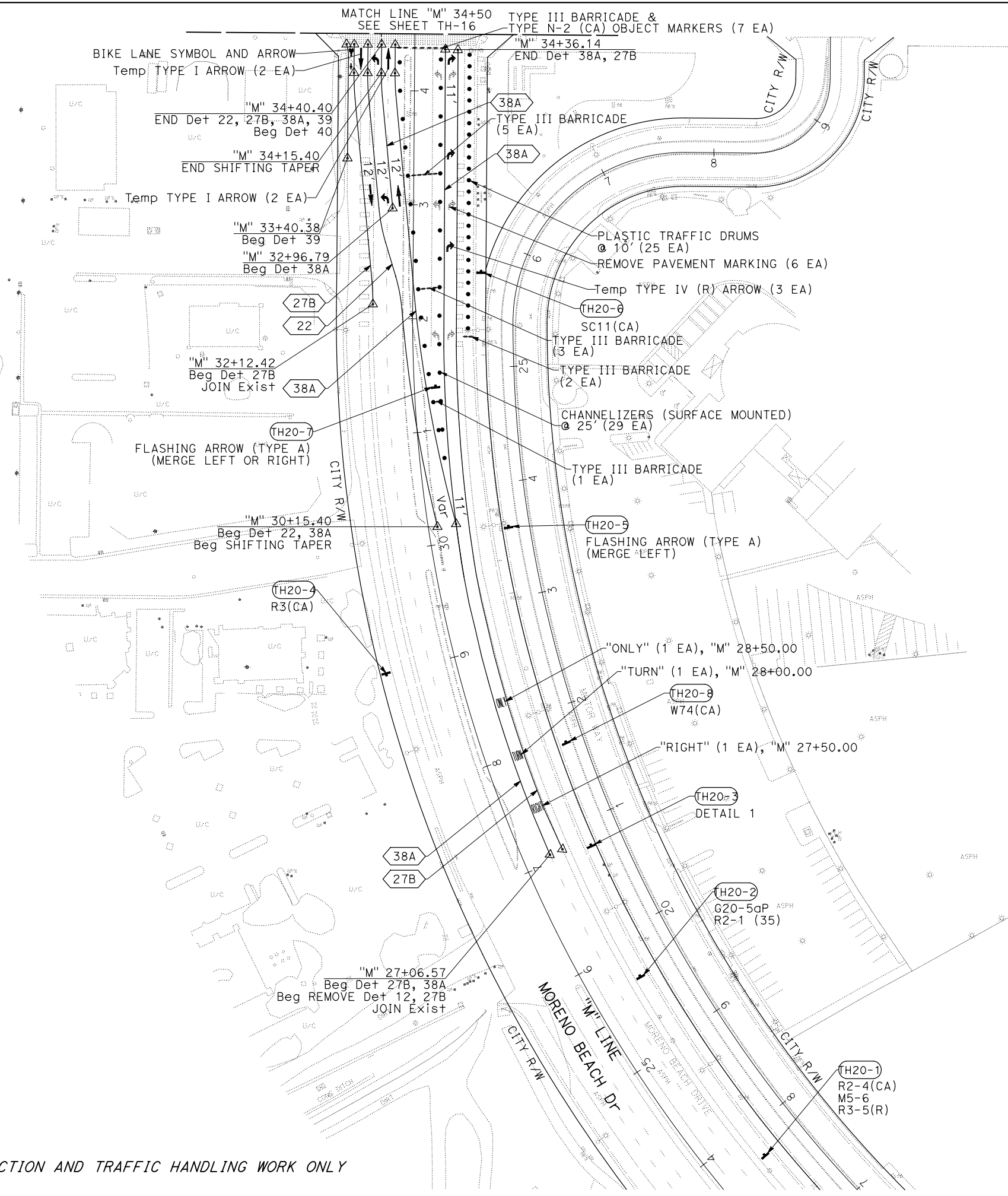
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	161	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



DETAIL 1
NO SCALE

TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50'

TH-20

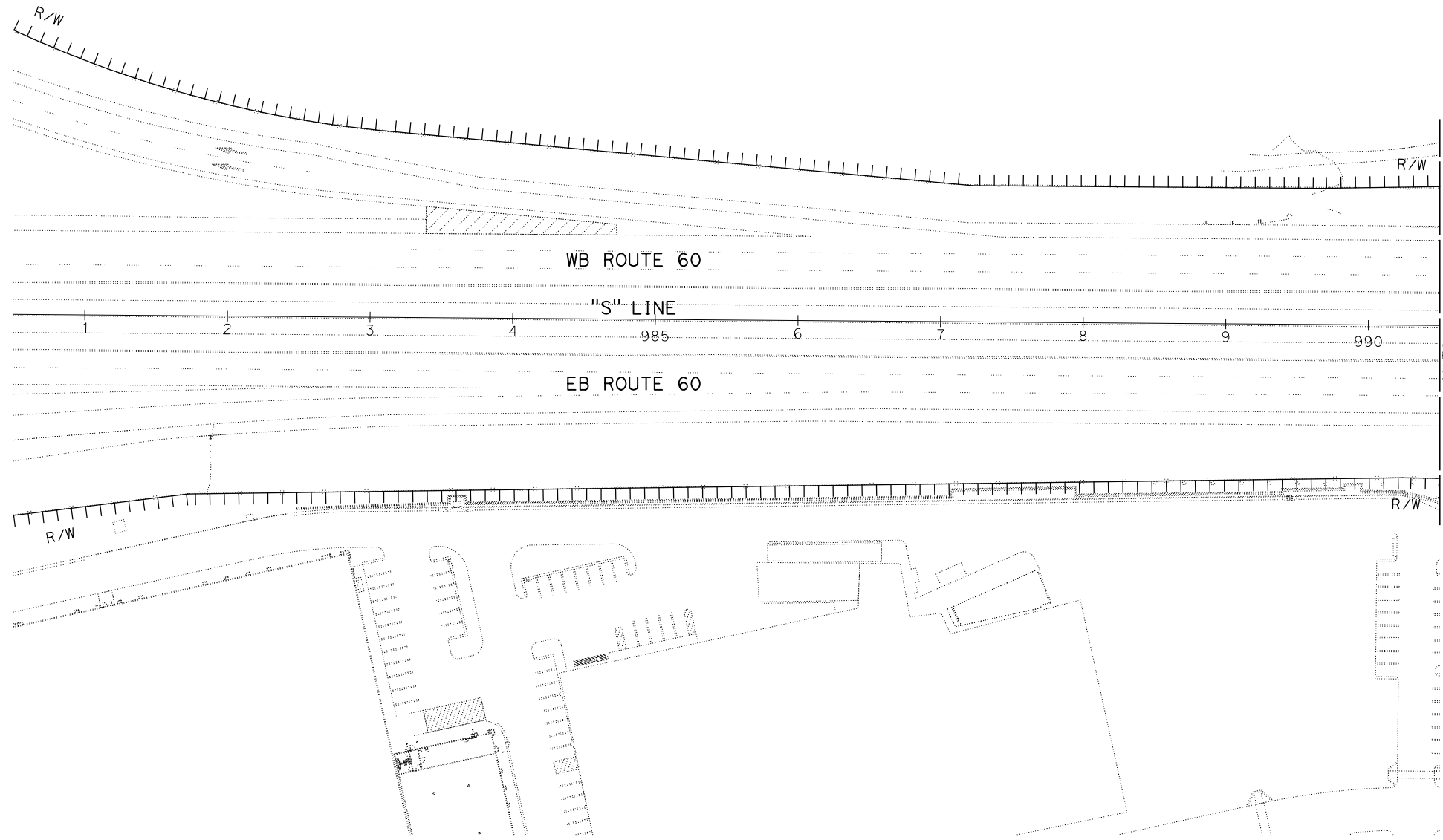
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

NO TRAFFIC HANDLING WORK THIS SHEET



MATCH LINE
 "S" 990+50
 SEE SHEET TH-22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	162	358

REGISTERED CIVIL ENGINEER: *Maria Wilson*
 DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 REGISTERED PROFESSIONAL ENGINEER: MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA
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--	--



TRAFFIC HANDLING PLAN
STAGE 3A
 SCALE: 1" = 50'
TH-21

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION: 00-00-00 DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 09:23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

MARIA WILSON
 CHRISTOPHER COMMONS

REVISED BY
 DATE REVISED

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

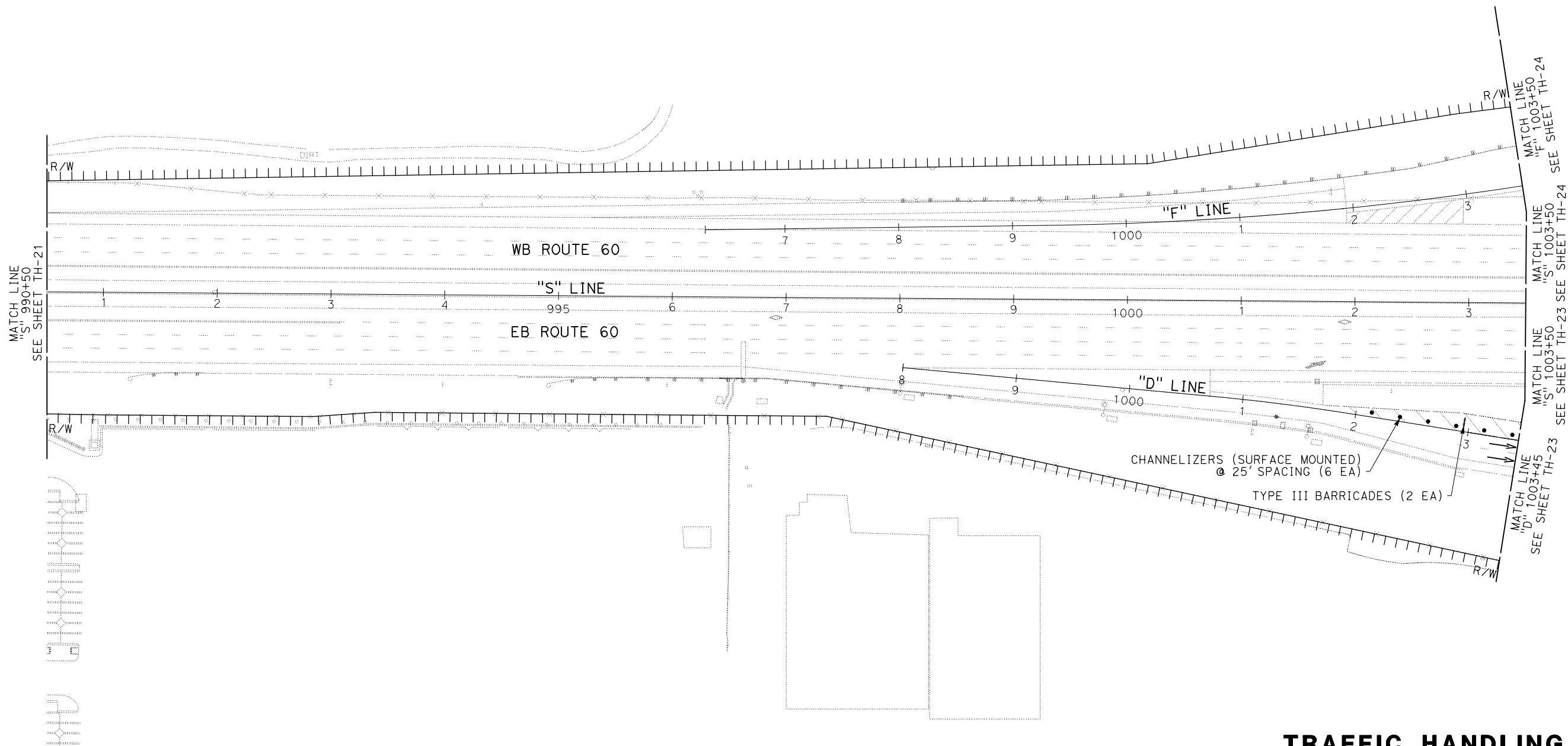
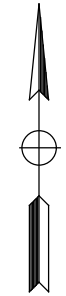
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	163	358

REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



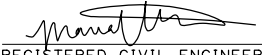
TRAFFIC HANDLING PLAN

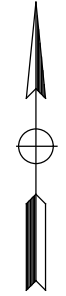
STAGE 3A

SCALE: 1" = 50'

TH-22

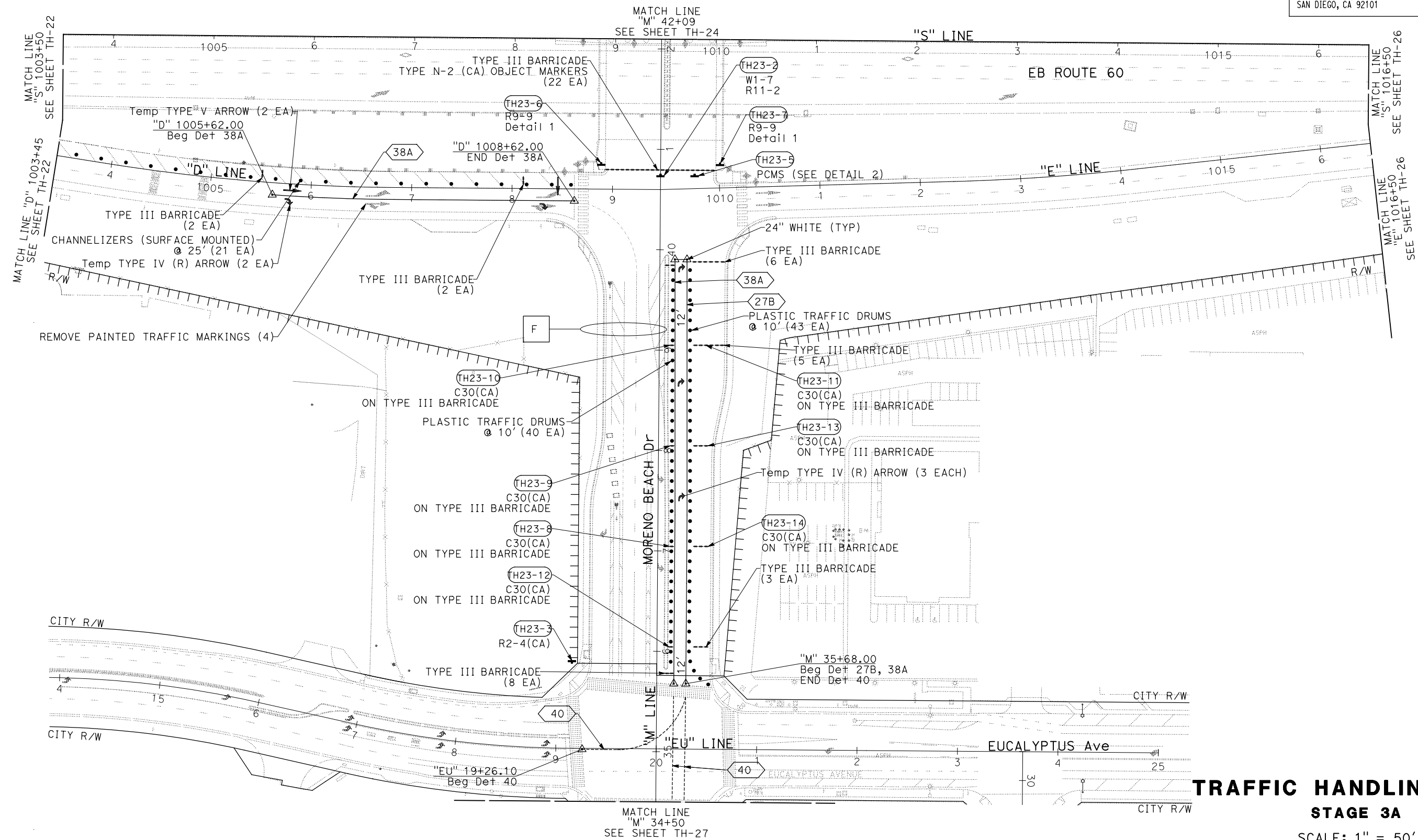
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	164	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - SEE TH-9 FOR SIGN DETAIL 1.
 - CONTRACTOR TO INCLUDE INSTRUCTIONS FOR HOW PEDESTRIANS WILL GET TO SHUTTLE SERVICE.
 - FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED



TRAFFIC HANDLING PLAN
STAGE 3A
 SCALE: 1" = 50'
TH-23

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:24

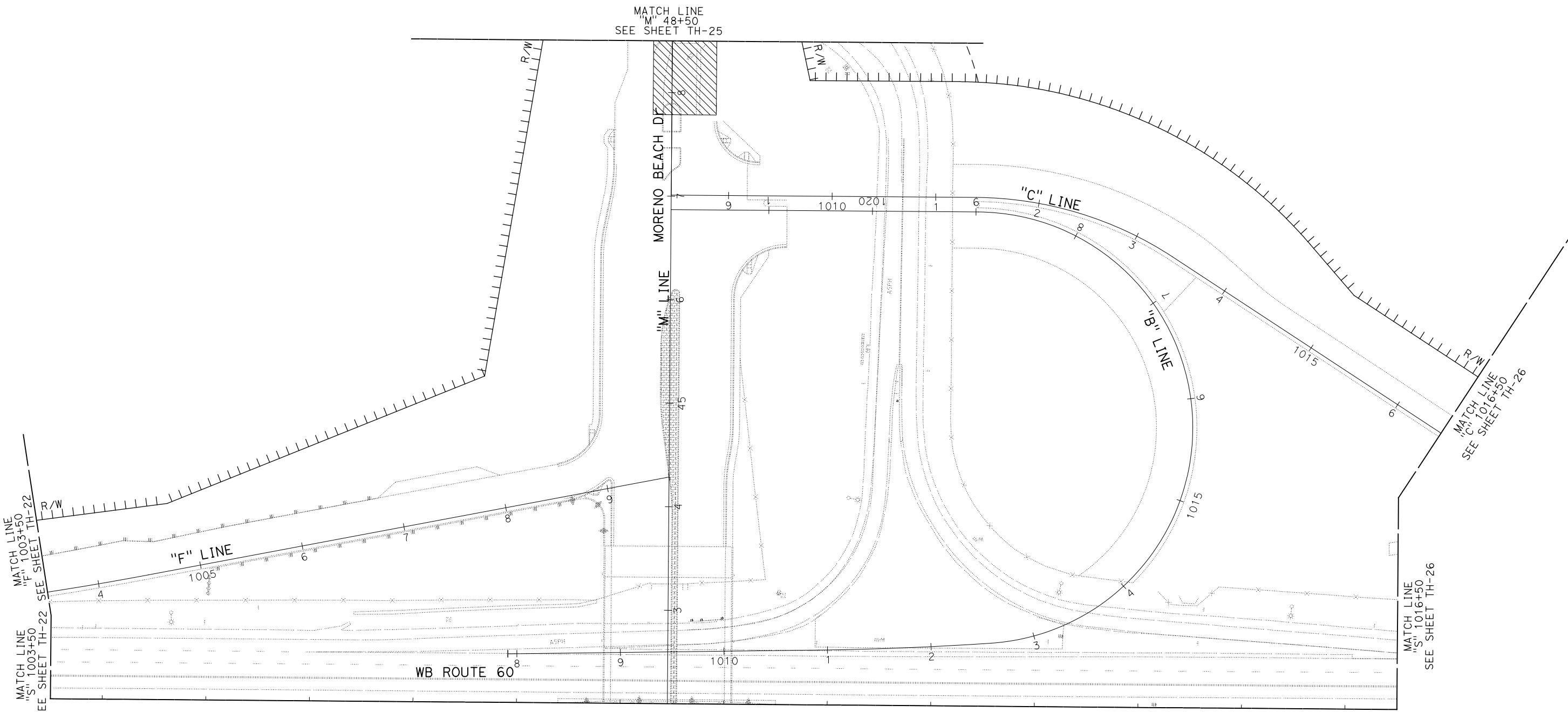
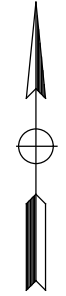
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

NO TRAFFIC HANDLING WORK THIS SHEET

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	165	358

REGISTERED CIVIL ENGINEER: *Maria Wilson* DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS: 525 B STREET, SUITE 1600, SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY: 14177 FREDERICK STREET, MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

STAGE 3A

SCALE: 1" = 50'

TH-24

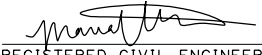
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION: DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	MARIA WILSON	REVISED BY	
Caltrans	NICOLE DEPUY	CHECKED BY	CHRISTOPHER COMMONS	DATE REVISED	
DESIGN BRANCH H					

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

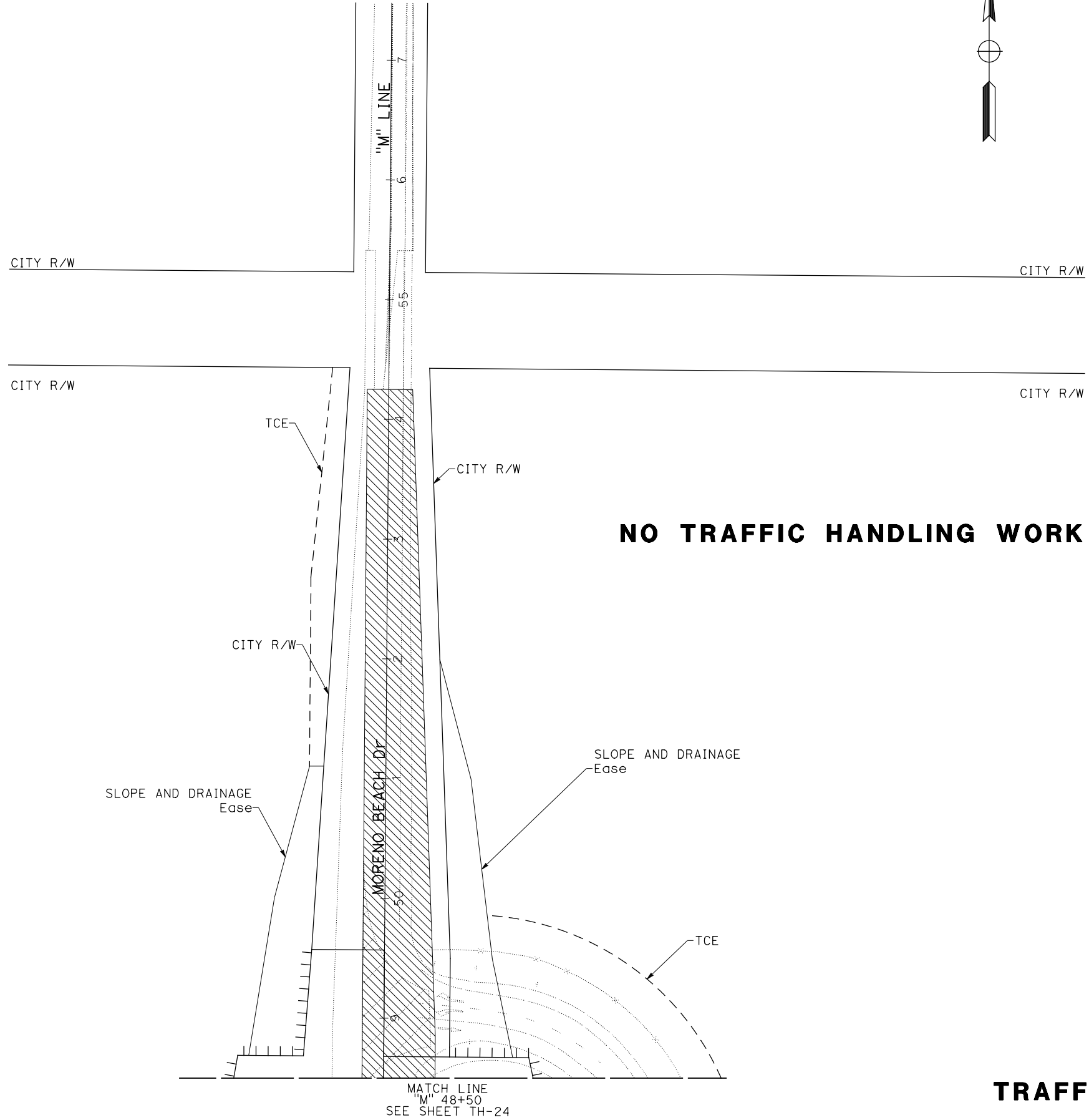
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	166	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE _____
 REGISTERED PROFESSIONAL ENGINEER
MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



NO TRAFFIC HANDLING WORK THIS SHEET

TRAFFIC HANDLING PLAN

STAGE 3A

SCALE: 1" = 50'

TH-25

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:

MARIA WILSON
 CHRISTOPHER COMMONS

REVISED BY: DATE REVISION

NOTES:

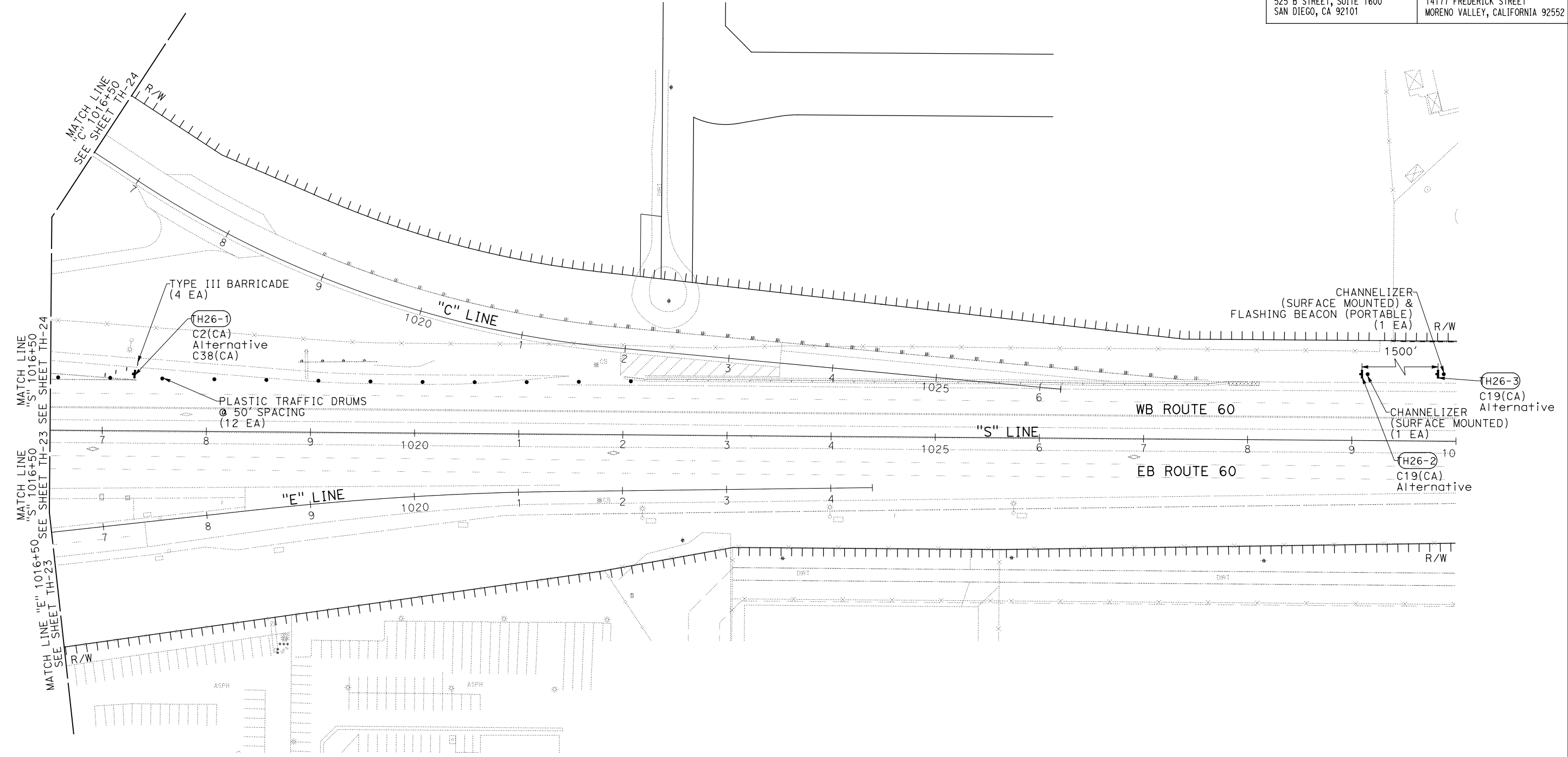
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TRAFFIC HANDLING FROM STAGE 1A AT PROPOSED WB SR-60 OFF-RAMP TO REMAIN IN PLACE.
- FOR EXIT RAMP CLOSURE TRAFFIC CONTROL, SEE S+D PLAN T14.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTORIST INFORMATION PLAN SHEETS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	167	358

REGISTERED CIVIL ENGINEER: MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 DATE: 07/01/20
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS: 525 B STREET, SUITE 1600, SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY: 14177 FREDERICK STREET, MORENO VALLEY, CALIFORNIA 92552

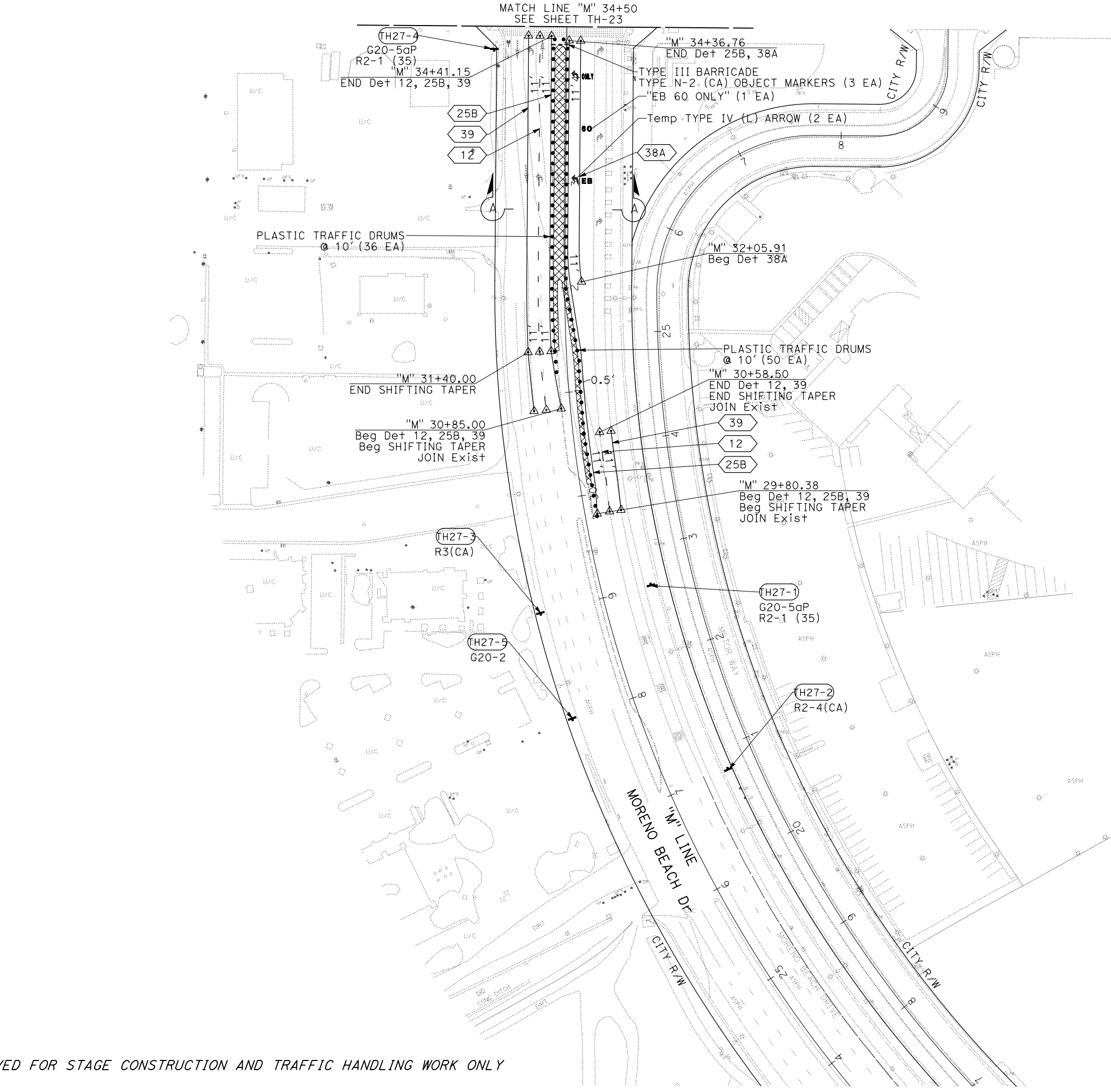


TRAFFIC HANDLING PLAN
STAGE 3A
 SCALE: 1" = 50'
TH-26

LAST REVISION: DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT SUPERVISOR NICOLE DEPUY	DESIGNED BY MARIA WILSON	REVISOR CHRISTOPHER COMMONS
CHECKED BY	DATE	REVISION



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	168	358

REGISTERED CIVIL ENGINEER DATE 07/01/20

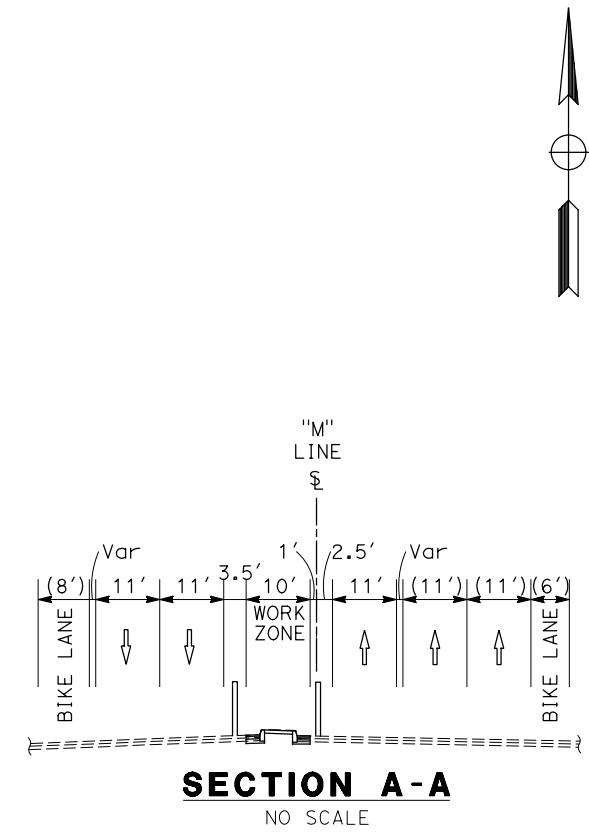
PLANS APPROVAL DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

MARIA WILSON No. C 89012 Exp. 09/30/20 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

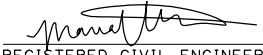
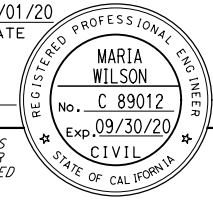


TRAFFIC HANDLING PLAN

STAGE 3A

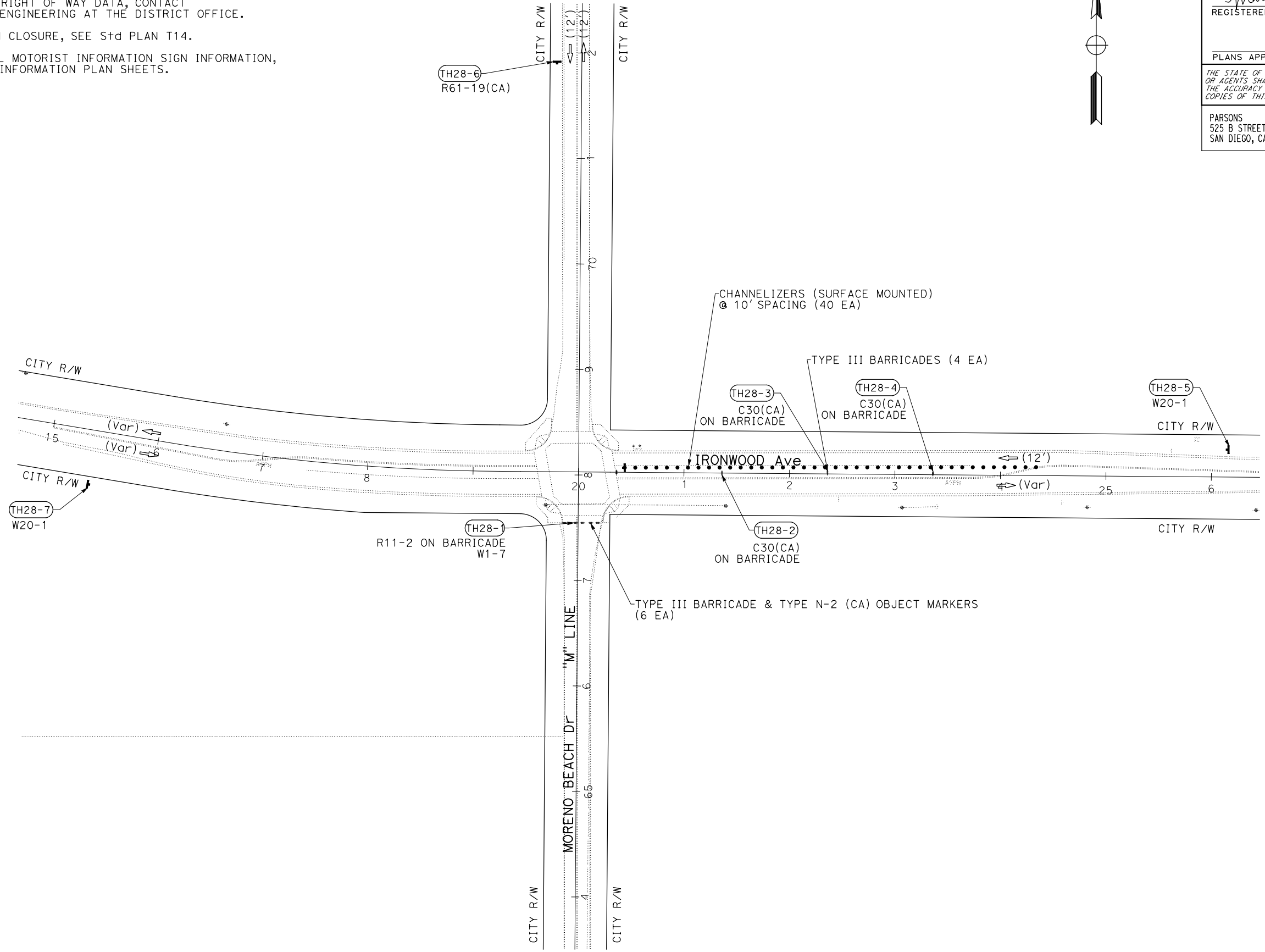
SCALE: 1" = 50'

TH-27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	169	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		


NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR LEFT TURN CLOSURE, SEE S+d PLAN T14.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTOTIST INFORMATION PLAN SHEETS.



TRAFFIC HANDLING PLAN
STAGE 3A
 SCALE: 1" = 50'
TH-28

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIA WILSON	CHRISTOPHER COMMONS
REVISED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:25

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

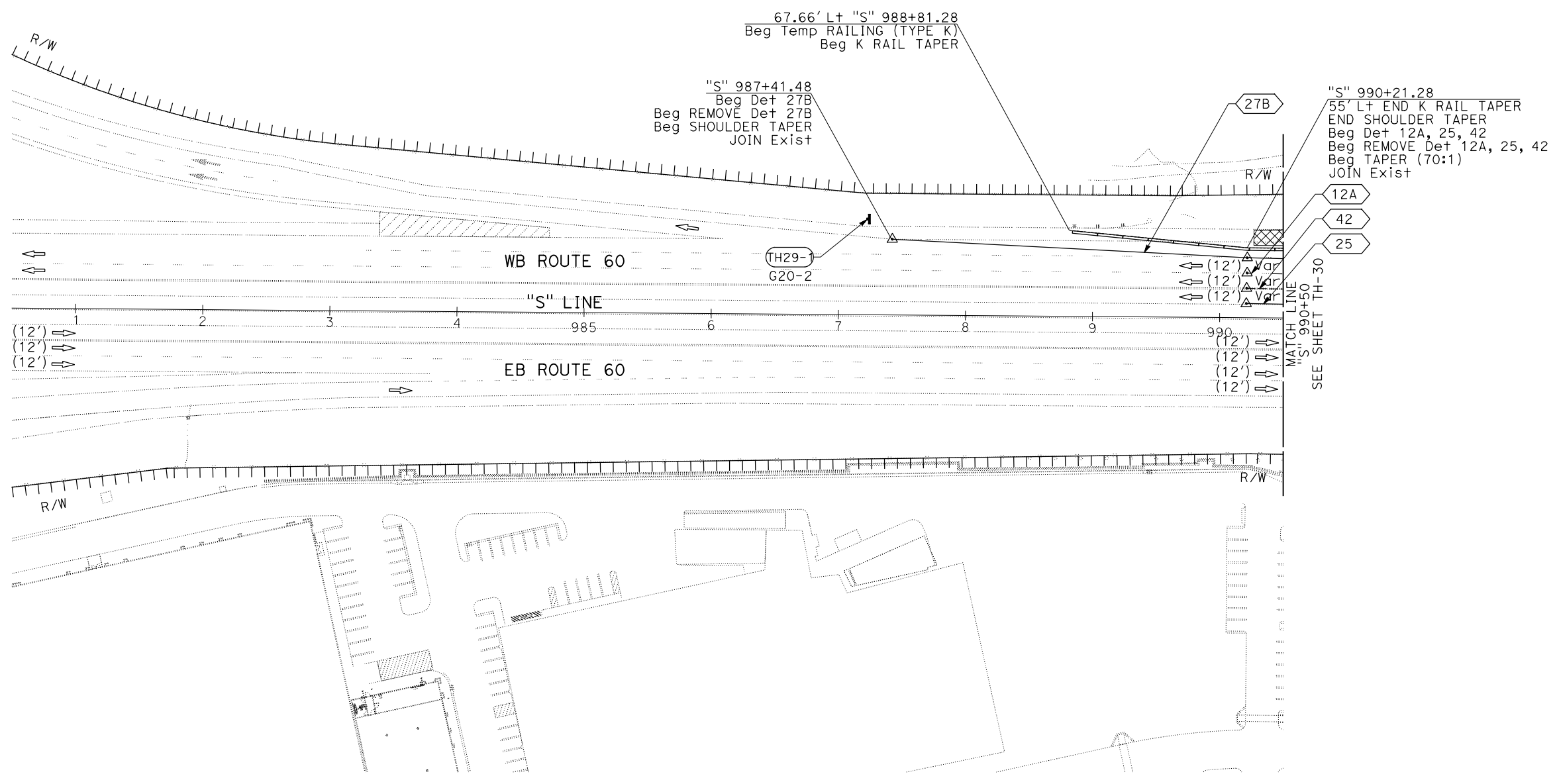
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	170	358

REGISTERED CIVIL ENGINEER: *Maria Wilson* DATE: 07/01/20
 PLANS APPROVAL DATE: _____
 REGISTERED PROFESSIONAL ENGINEER: MARIA WILSON
 No. C 89012
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

STAGE 3B

SCALE: 1" = 50'

TH-29

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION: DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:25

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

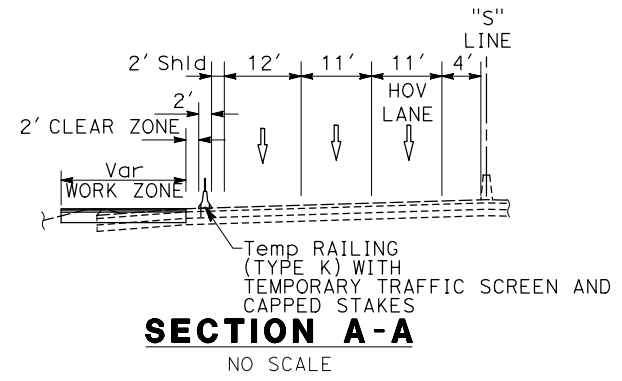
CALCULATED-DESIGNED BY
 CHECKED BY

MARIA WILSON
 CHRISTOPHER COMMONS

REVISED BY
 DATE

REVISOR
 DATE

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	171	358

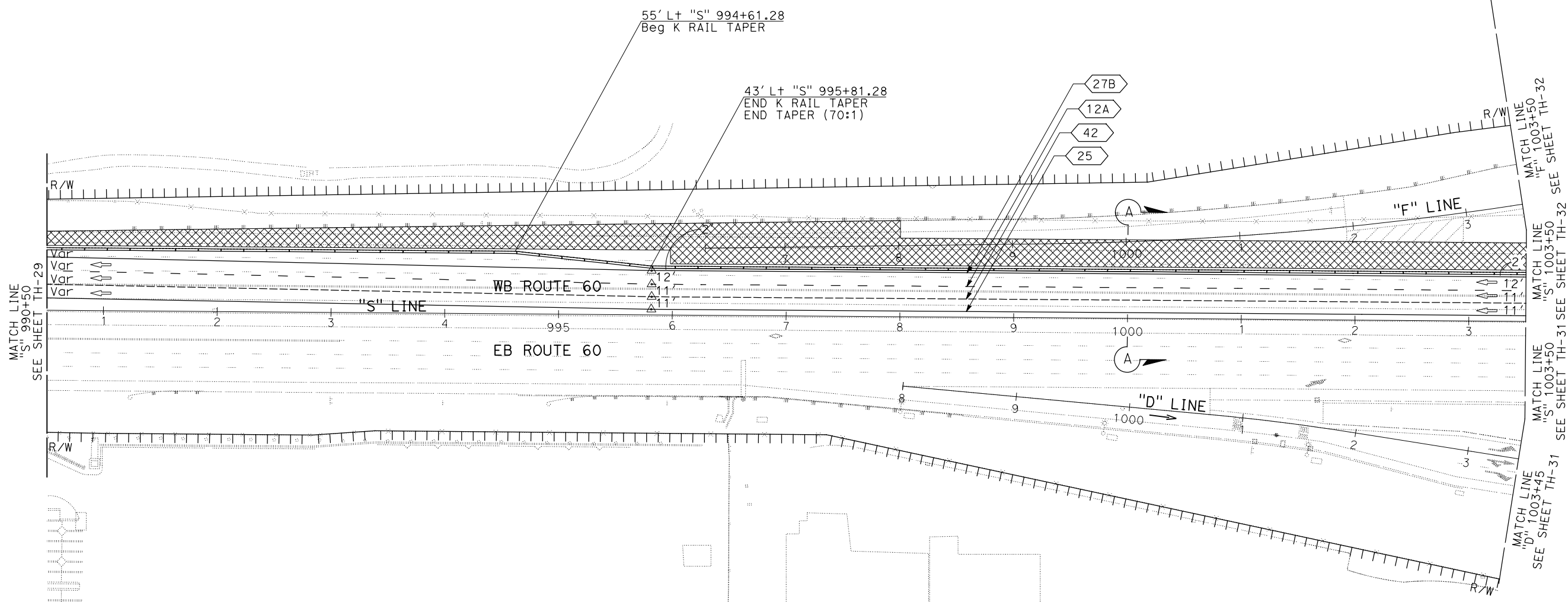
REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

STAGE 3B

SCALE: 1" = 50'

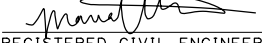
TH-30

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

NOTE:

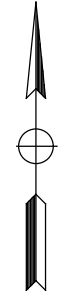
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	172	358

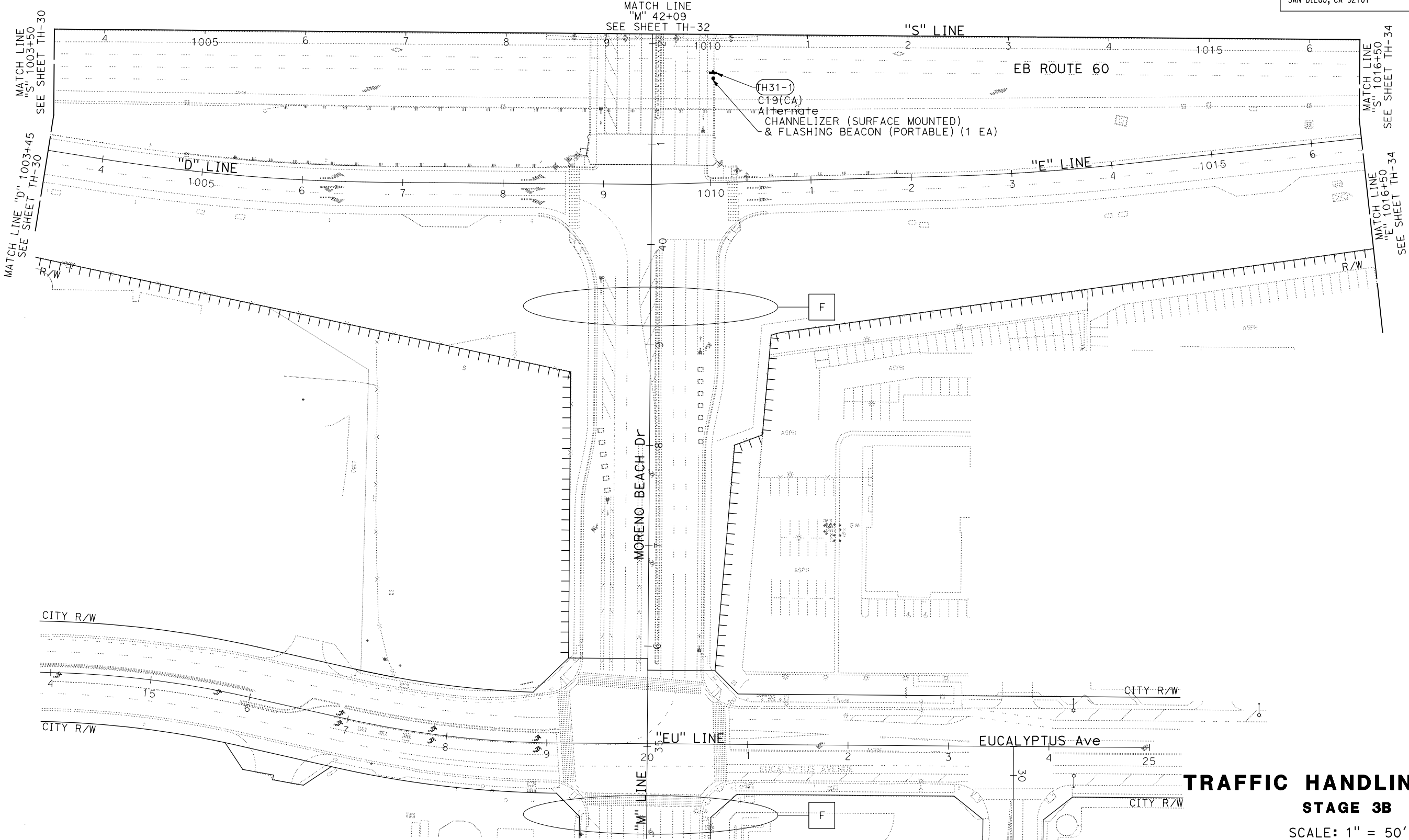

 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans		NICOLE DEPUY	CHECKED BY	MARIA WILSON	
				CHRISTOPHER COMMONS	



APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

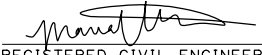
STAGE 3B

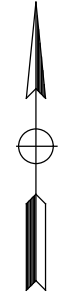
SCALE: 1" = 50'

TH-31

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:26

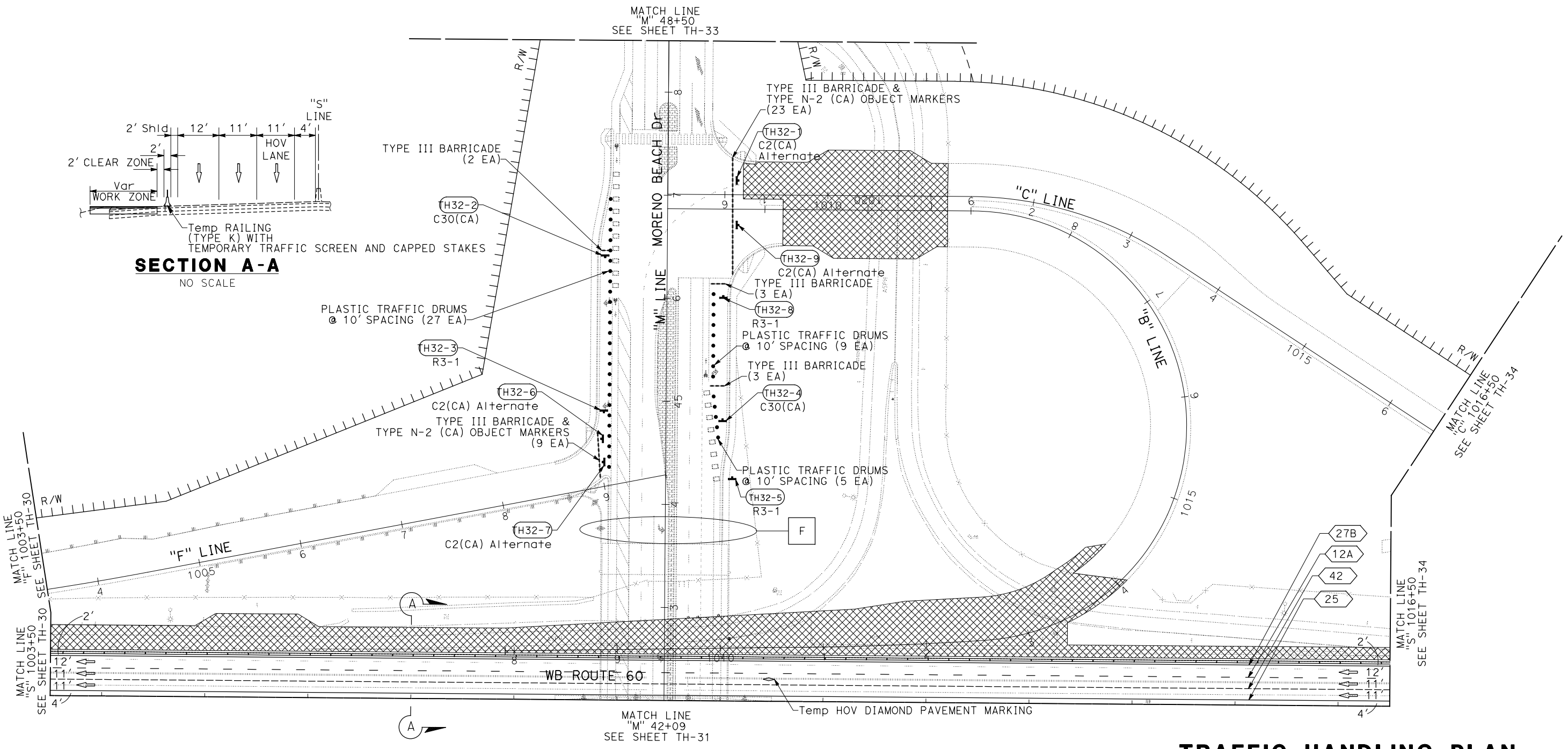
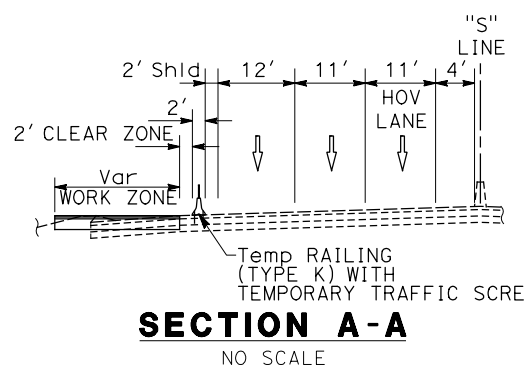
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	173	358

 REGISTERED CIVIL ENGINEER		07/01/20 DATE
PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR RIGHT TURN CLOSURE, SEE S+D PLAN T14.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTOTIST INFORMATION PLAN SHEETS.



TRAFFIC HANDLING PLAN
STAGE 3B
 SCALE: 1" = 50'
TH-32

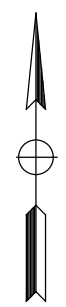
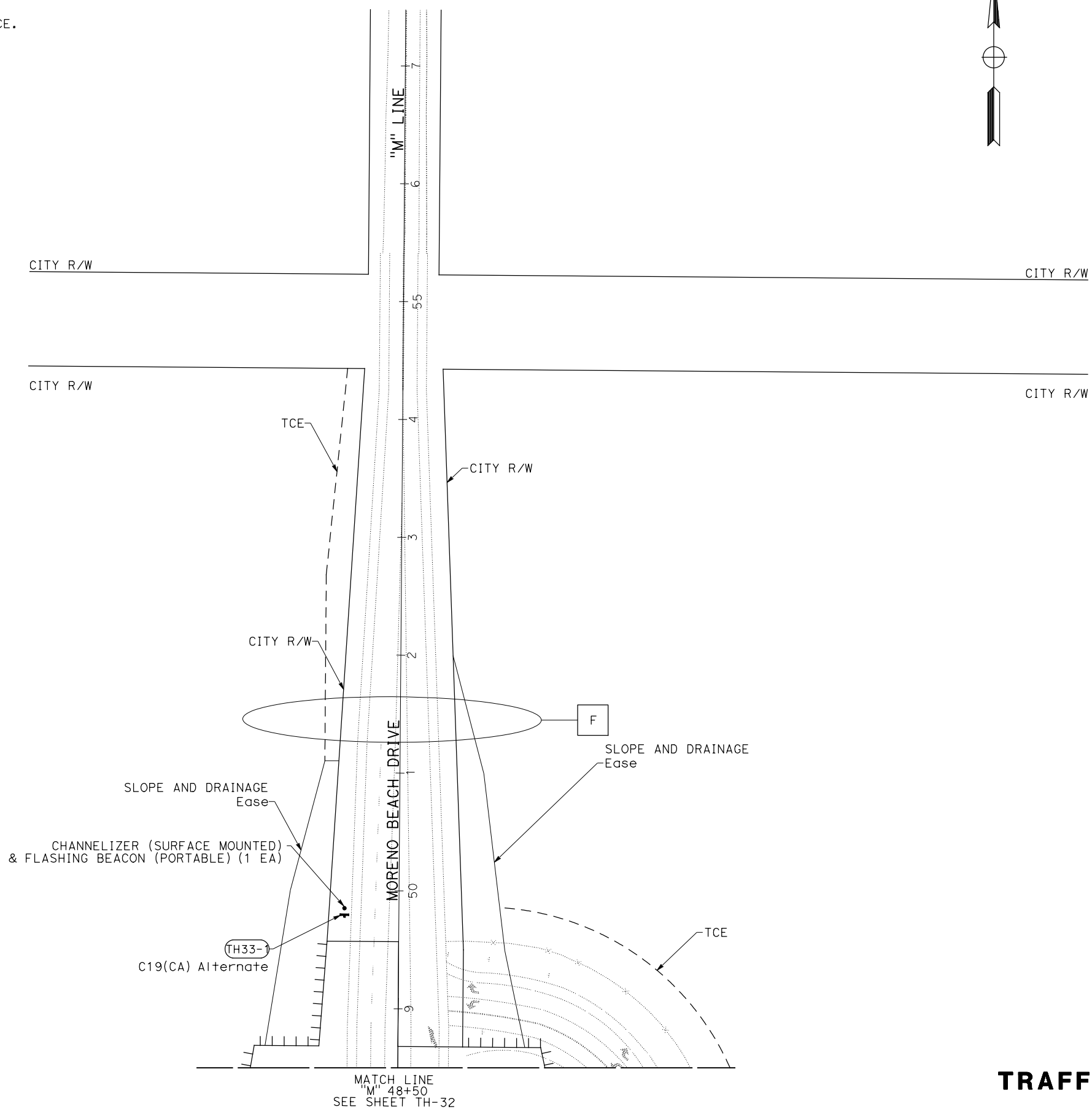
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

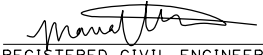
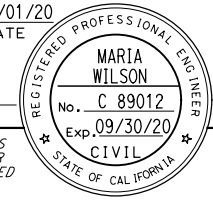
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIA WILSON CHRISTOPHER COMMONS
 REVISED BY: DATE REVISED:

LAST REVISION: DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 09:26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	MARIA WILSON	REVISOR	DATE
Caltrans		NICOLE DEPUY	CHECKED BY	CHRISTOPHER COMMONS		

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	174	358
 REGISTERED CIVIL ENGINEER			07/01/20	DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

TRAFFIC HANDLING PLAN

STAGE 3B

SCALE: 1" = 50'

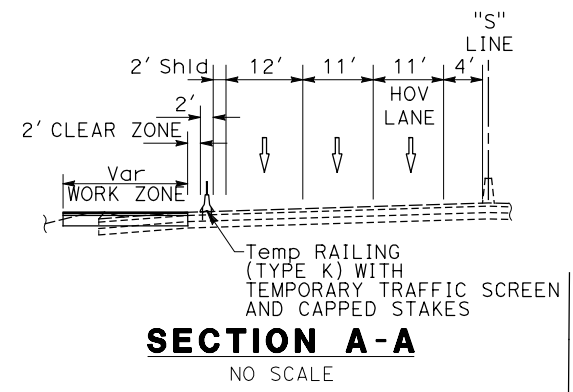
TH-33

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY	CALCULATED-DESIGNED BY	CHECKED BY	MARIA WILSON	CHRISTOPHER COMMONS	REVISOR	DATE
Caltrans									

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SHOULDER CLOSURE, SEE S+d PLAN T10.
- FOR ADDITIONAL MOTORIST INFORMATION SIGN INFORMATION, SEE MOTOTIST INFORMATION PLAN SHEETS.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	175	358

REGISTERED CIVIL ENGINEER DATE 07/01/20

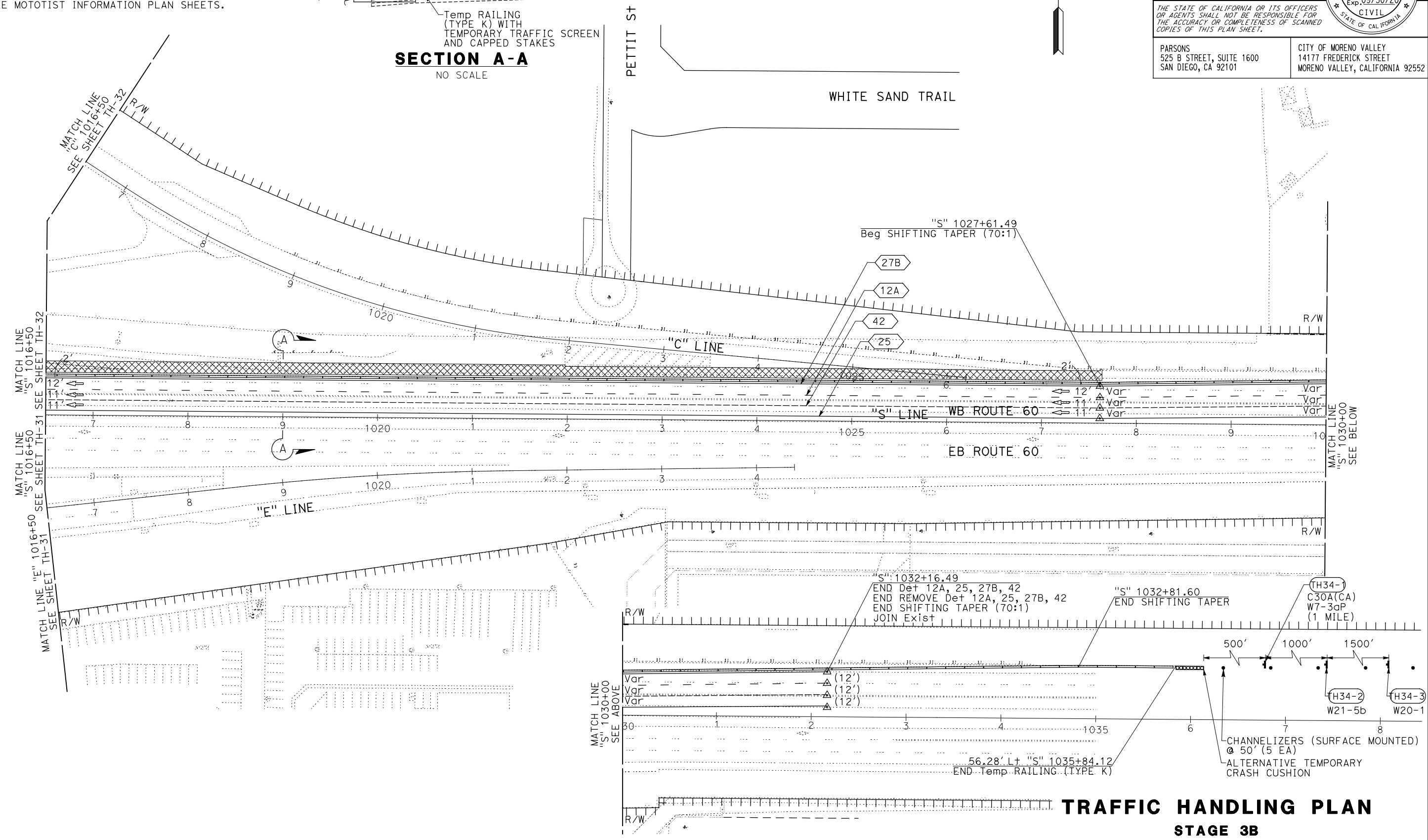
MARIA WILSON
No. C 89012
Exp. 09/30/20
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



TRAFFIC HANDLING PLAN

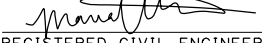
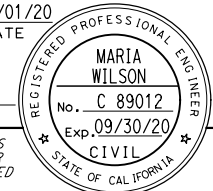
STAGE 3B

SCALE: 1" = 50'

TH-34

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	176	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE


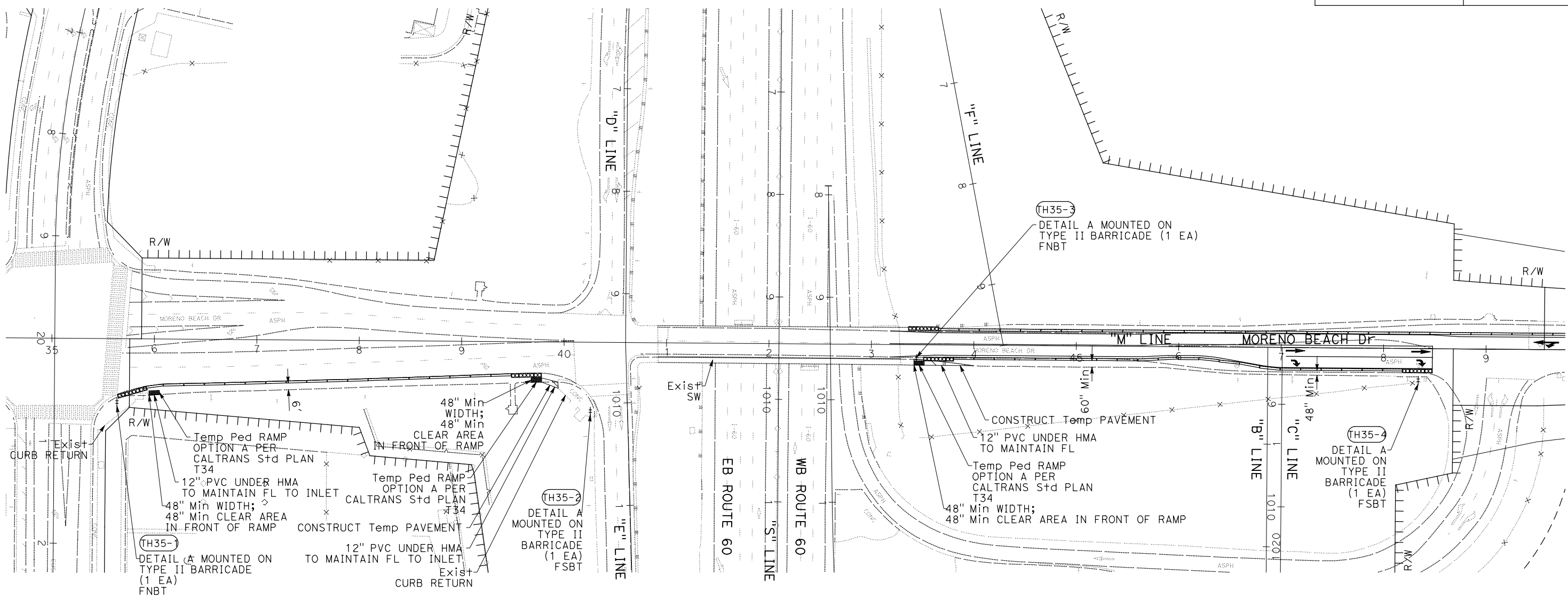
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 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR TRAFFIC HANDLING PLANS FOR THIS AREA, SEE TH-3 AND TH-4.



MOUNT ON TYPE II BARRICADE
DETAIL A
 NO SCALE

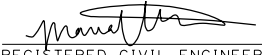


TRAFFIC HANDLING PLAN
PEDESTRIAN DETOUR STAGE 1A
 SCALE: 1" = 50'
TH-35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON DANIEL KACHI
 REVISED BY DATE REVISED
 MARIA WILSON DANIEL KACHI

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	177	358

 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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STAGE CONSTRUCTION QUANTITIES

STAGE	SHEET	LOCATION	STATION	CHANNELIZER (SURFACE MOUNTED)	PLASTIC TRAFFIC DRUMS	FLASHING BEACON (PORTABLE)	TEMPORARY RAILING (TYPE K)	TEMPORARY TRAFFIC SCREEN	TYPE N-2 (CA) OBJECT MARKER	TYPE P (CA) OBJECT MARKER	TYPE III BARRICADE	TEMPORARY CRASH CUSHION MODULE ARRAY TS-14	ALTERNATIVE TEMPORARY CRASH CUSHION	
				EA	EA	EA	LF	LF	EA	EA	EA	EA	EA	
1A	TH-2	WB SR-60	"S" 990+50.00 TO "S" 1003+50.00	17			980	980						
		EB SR-60	"S" 990+50.00 TO "S" 1003+50.00	3										
	TH-3	EB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	34			740	740					2	
		MORENO BEACH DR	"M" 34+27.18 TO "M" 42+09.00	5			740	740	8		8		4	
	TH-4	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	20			2,120	2,120					14	3
		MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00				940	484						3
TH-5	MORENO BEACH DR	"M" 48+50.00 TO "M" 55+50.00	5			680	680						1	
TH-6	WB SR-60	"S" 1016+50.00 TO "S" 1030+00.00	2			840	840						1	
1B	TH-7	EB SR-60	"S" 981+00.00 TO "S" 990+50.00	2		1								
	TH-8	EB SR-60	"S" 990+50.00 TO "S" 1003+50.00		8		180	180					1	
	TH-9	MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00						24		24			
		EUCALYPTUS AVE	"EU" 15+00.00 TO 25+00.00	28							7			
	TH-10	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00		1									
	TH-12	WB SR-60	"S" 1016+50.00 TO "S" 1030+00.00	2	2	1	340	340		1	4			
2	TH-13	MORENO BEACH DR	"M" 64+00.00 TO 72+00.00						6		6			
	IRONWOOD AVE	"K" 16+00.00 TO "K" 24+00.00	40								4			
	TH-14	MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00	57							6			
	TH-16	MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00	12			320	320	29		42		3	
3A	TH-17	MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00	6			1,560	1,560			8		3	
	TH-18	MORENO BEACH DR	"M" 48+50.00 TO "M" 57+00.00	9			500	500					3	
	TH-20	MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00	29	25				7		18			
	TH-22	EB SR-60 OFF-RAMP	"S" 990+50.00 TO "S" 1003+50.00	6							2			
3B	TH-23	MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00		83				22		44			
	EB SR-60 OFF-RAMP	"D" 1003+45.00 TO 1009+47.70	21								4			
	TH-26	WB SR-60	"S" 1016+50.00 TO "S" 1030+00.00	2	12	1					4			
	TH-27	MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00		86				3		3			
3B	TH-28	MORENO BEACH DR	"M" 64+00.00 TO 72+00.00						6		6			
	IRONWOOD AVE	"K" 16+00.00 TO "K" 24+00.00	40								4			
	TH-29	WB SR-60	"S" 981+00.00 TO "S" 990+50.00				180	180						
	TH-30	WB SR-60	"S" 990+50.00 TO "S" 1003+50.00				1,300	1,300						
	TH-31	MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00	1		1								
	TH-32	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00				1,300	1,300						
TH-33	MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00		41				32		40				
	MORENO BEACH DR	"M" 48+50.00 TO "M" 57+00.00	1		1									
TH-34	WB SR-60	"S" 1016+50.00 TO "S" 1034+84.12	5			1,960	1,960					1		
TOTAL				373	258	5	14,680	14,224	137	1	242	14	25	

TEMPORARY PAVEMENT QUANTITIES

STAGE	SHEET	LOCATION	STATION	HMA (TYPE A) FOR TEMPORARY PAVEMENT	HMA (TYPE A) FOR TEMPORARY CURB RAMP	CLASS 2 AGGREGATE BASE	12" PLASTIC PIPE
				TON	TON	CY	LF
1A	TH-4	MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00	3		2	
	TH-5	MORENO BEACH DR	"M" 48+50.00 TO "M" 56+37.37	33		18	
	TH-35	MORENO BEACH DR	"M" 36+00.00 TO "M" 49+00.00	9	3	5	85
1B	TH-10	MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00	2		1	
	TH-11	MORENO BEACH DR	"M" 48+50.00 TO "M" 56+37.37	138		77	
SUBTOTAL				185	3	103	85
TOTAL					188	103	85

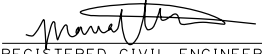
STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: CHECKED BY:
 MARIA WILSON DANIEL KACHI
 REVISED BY: DATE REVISED:

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	178	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
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 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

STAGE CONSTRUCTION PAVEMENT DELINEATION QUANTITIES


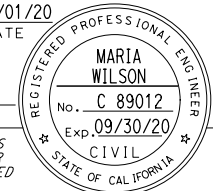
STAGE	SHEET No.	LOCATION	STATION LIMITS	TEMPORARY TRAFFIC STRIPE (PAINT)														TEMP PAVEMENT MARKING			REMOVALS			
				SOLID YELLOW DETAIL 25	DETAIL 25B	DETAIL 22	SOLID WHITE DETAIL 27B	DETAIL 9A	DETAIL 12	DETAIL 12A	SOLID WHITE DETAIL 36B	DETAIL 37B	DETAIL 38	DETAIL 38A	DETAIL 38D	DETAIL 39	DETAIL 40	DETAIL 42	PAVEMENT MARKER	DIAGONAL/CHEVRON/LIMIT LINE/CROSSWALK (WHITE)	ARROWS/SYMBOLS/WORDS (WHITE)	REMOVE PAINTED TRAFFIC STRIPE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAINTED PAVEMENT MARKING
				LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	SOFT	SOFT	LF	LF	SOFT	
1A	TH-2	WB SR-60	"S" 992+10.00 TO "S" 1003+50.00	1,140			1,140			2,280						1,140	118				5,700			
		EB SR-60	"S" 1002+00.00 TO "S" 1003+50.00	150			150			150						150	13		126		610	42		
	TH-3	EB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	1,300			1,300			1,300						1,300	107		11		6,500	95		
		MORENO BEACH DR	"M" 34+27.18 TO "M" 42+09.00			338	496						147				48	265	30	1,378		86		
	TH-4	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	1,230			1,978			1,460	770						1,230	122	11		6,454	11		
		MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00			530	1,063						143				76	44	80	1,314		30		
1B	TH-5	MORENO BEACH DR	"M" 48+50.00 TO "M" 55+70.24				621									14		27	1,256		30			
	TH-6	WB SR-60	"S" 1019+31.67 TO "S" 1030+15.00				1,084									24				1,083				
		EB SR-60	"S" 1016+50.00 TO "S" 1017+20.00	70			70			70						70	10				280			
	TH-8	EB SR-60	"S" 996+60.78 TO "S" 998+03.12				143									4								
	TH-12	WB SR-60	"S" 1017+32.36 TO "S" 1019+27.28				195									6								
		MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00										196			8		90		979		171		
2	TH-14	MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00			584	598								64	99	136							
		MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00												64	99	136							
	TH-16	EB SR-60 OFF-RAMP	"D" 1003+45.00 TO 1009+47.70	212			214	117							15	175	84							
		EUCALYPTUS AVENUE	"EU" 20+81.48 TO "EU" 21+99.03				118								4	73	54		236					
	TH-17	MORENO BEACH DR	"M" 42+09.00 TO "M" 48+50.00			542	1,282								74	22								
		MORENO BEACH DR	"M" 48+50.00 TO "M" 53+77.62				371	1,026							55	22				480				
3A	TH-20	MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00			430	1,083								61		330		3,026		90			
		MORENO BEACH DR	"M" 34+50.00 TO "M" 42+09.00				423								24	48	45							
	TH-23	EB SR-60 OFF-RAMP	"D" 1003+45.00 TO 1009+47.70												0		80		300		84			
		MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00		813				436						29		88							
	TH-27	MORENO BEACH DR	"M" 24+00.00 TO "M" 34+50.00												29									
		WB SR-60	"S" 980+50.00 TO "S" 990+50.00	29			309									29					395			
3B	TH-29	WB SR-60	"S" 990+50.00 TO "S" 1003+50.00	1,300			1,300			1,300						1,300	107				5,200			
	TH-30	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	1,300			1,300			1,300						1,300	107		11		5,200			
	TH-32	WB SR-60	"S" 1003+50.00 TO "S" 1016+50.00	1,300			1,300			1,300						1,300	107				5,200			
	TH-34	WB SR-60	"S" 1016+50.00 TO "S" 1034+00.00	1,566			1,566			1,566						1,566	129				6,266			
SUBTOTAL				8,297	813	2,795	17,319	117	436	9,455	770	196	290	3,187	96	656	697	8,085	1,232	748	1,203	8,969	37,688	639
GRAND TOTAL										53,209									1,232	1,951		8,969	37,688	639

STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-2

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:35

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PLANS APPROVAL DATE _____
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 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

NOTE:
CONSTRUCTION AREA SIGNS SHALL BE TYPE XI RETROREFLECTIVE.

CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING)

STAGE	SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE	
1A	TH-2	2-1	C30A(CA)	48" X 48"	SHOULDER CLOSED	1 - 6" X 6"	
			W7-3aP	24" X 18"	NEXT 1/2 MILE		
		2-2	W21-5b	48" X 48"	RIGHT SHOULDER CLOSED	1 - 6" X 6"	
		2-3	C30A(CA)	48" X 48"	SHOULDER CLOSED		
			W7-3aP	24" X 18"	NEXT 1/2 MILE	1 - 6" X 6"	
		2-4	G20-2	36" X 18"	END ROAD WORK		
		2-5	W21-5b	48" X 48"	LEFT SHOULDER CLOSED	1 - 6" X 6"	
	2-6	W20-1	48" X 48"	ROAD WORK AHEAD			
	TH-3	2-7	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	
		3-1	G20-2	36" X 18"	END ROAD WORK		
		3-2	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
		3-3	W6-3	36" X 36"	TWO-WAY TRAFFIC		
		3-4	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	
	3-5	W20-1	48" X 48"	ROAD WORK AHEAD			
	TH-4	4-1	W6-3	36" X 36"	TWO-WAY TRAFFIC	1 - 4" X 6"	
		5-1	W20-1	36" X 36"	ROAD WORK AHEAD		
		TH-5	5-2	G20-5aP	24" X 18"	WORK ZONE	1 - 4" X 6"
				R2-1	30" X 36"	SPEED LIMIT 35	
			5-3	R2-4(CA)	24" X 30"	SPEED ZONE AHEAD	1 - 4" X 4"
	5-4	G20-2	36" X 18"	END ROAD WORK			
	5-5	W1-7	48" X 24"	DOUBLE ARROW	1 - 4" X 6"		
	TH-6	6-1	G20-2	48" X 24"	END ROAD WORK	1 - 4" X 6"	
		6-2	C30A(CA)	48" X 48"	SHOULDER CLOSED		
			W7-3aP	24" X 18"	NEXT 3/4 MILE	1 - 6" X 6"	
		6-3	W21-5b	48" X 48"	RIGHT SHOULDER CLOSED		
		6-4	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	
		6-5	C30A(CA)	48" X 48"	SHOULDER CLOSED		
			W7-3aP	24" X 18"	NEXT 1/2 MILE		
6-6	W21-5b	48" X 48"	LEFT SHOULDER CLOSED	1 - 6" X 6"			
6-7	W20-1	48" X 48"	ROAD WORK AHEAD				
TH-35	35-1	SEE TH-35 FOR DETAIL				MOUNTED ON TYPE II BARRICADE	
	35-2	SEE TH-35 FOR DETAIL				MOUNTED ON TYPE II BARRICADE	
	35-3	SEE TH-35 FOR DETAIL				MOUNTED ON TYPE II BARRICADE	
	35-4	SEE TH-35 FOR DETAIL				MOUNTED ON TYPE II BARRICADE	
1B	TH-7	7-1	C19(CA) Alternate	48" X 48"	RAMP CLOSED AHEAD	1 - 6" X 6"	
		7-2	C19(CA) Alternate	48" X 48"	RAMP CLOSED AHEAD		
	TH-8	8-1	C2(CA) Alternate	48" X 30"	RAMP CLOSED	2 - 4" X 6"	
			C38(CA)	48" X 36"	USE NEXT EXIT		
	TH-9	9-1	C2(CA)	48" X 30"	RAMP CLOSED	1 - 4" X 6"	
		9-2	R9-9	24" X 12"	SIDEWALK CLOSED		
			SEE TH-9 FOR DETAIL				1 - 4" X 4"
		9-3	R9-9	24" X 12"	SIDEWALK CLOSED		
			SEE TH-9 FOR DETAIL				1 - 4" X 4"
		9-4	R11-2	48" X 30"	ROAD CLOSED	MOUNTED ON TYPE III BARRICADE	
			W1-7	48" X 24"	DOUBLE ARROW		
		9-5	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	
		9-6	W20-1	48" X 48"	ROAD WORK AHEAD		
		9-7	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
	9-8	C30(CA)	30" X 30"	LANE CLOSED			
	9-9	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE		
	TH-12	12-1	C2(CA) Alternate	48" X 30"	RAMP CLOSED	2 - 4" X 6"	
			C38(CA)	48" X 36"	USE NEXT EXIT		
		12-2	C19(CA) Alternate	48" X 48"	RAMP CLOSED AHEAD	1 - 6" X 6"	
		12-3	C19(CA) Alternate	48" X 48"	RAMP CLOSED AHEAD		
TH-13	13-1	R11-2	48" X 30"	ROAD CLOSED	MOUNTED ON TYPE III BARRICADE		
		W1-7	48" X 24"	DOUBLE ARROW			
	13-2	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE		
	13-3	C30(CA)	30" X 30"	LANE CLOSED			
	13-4	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE		
	13-5	W20-1	36" X 36"	ROAD WORK AHEAD			
	13-6	R61-19(CA)	36" X 30"	INTERSECTION LANE CONTROL	1 - 4" X 6"		
13-7	W20-1	36" X 36"	ROAD WORK AHEAD				
TH-14	14-1	SEE TH-14 FOR DETAIL				1 - 6" X 6"	
	14-2	R61-19(CA)	48" X 36"	INTERSECTION LANE CONTROL	1 - 4" X 6"		

STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES


SCQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIA WILSON DANIEL KACHI
 REVISED BY DATE REVISED

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:36

NOTE:
CONSTRUCTION AREA SIGNS SHALL
BE TYPE XI RETROREFLECTIVE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	180	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS
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 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

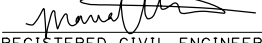
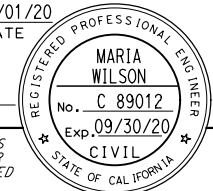
CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING)

STAGE	SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE	
2	TH-16	16-1	G20-2	36" X 18"	END ROAD WORK	1 - 4" X 4"	
		16-4	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
		16-5	W6-3	36" X 36"	TWO-WAY TRAFFIC	1 - 4" X 6"	
		16-6	C2(CA)	48" X 30"	RAMP CLOSED	1 - 4" X 6"	
		16-7	W6-3	36" X 36"	TWO-WAY TRAFFIC	1 - 4" X 6"	
		16-8	C2(CA)	48" X 30"	RAMP CLOSED	1 - 4" X 6"	
		16-9	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
		16-10	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
		16-11	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
		16-12	W9-3	36" X 36"	LEFT LANE CLOSED AHEAD	1 - 4" X 6"	
		16-14	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
		16-15	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
		TH-17	17-1	C2(CA) Alternate	48" X 30"	RAMP CLOSED	1 - 4" X 6"
		17-2	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
		17-3	W6-3	36" X 36"	TWO-WAY TRAFFIC	1 - 4" X 6"	
	TH-18	18-1	W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	
	18-2	G20-2	36" X 18"	END ROAD WORK	1 - 4" X 4"		
	18-3	G20-5aP	24" X 18"	WORK ZONE	1 - 4" X 6"		
		R2-1	30" X 36"	SPEED LIMIT 35			
	18-4	R2-4(CA)	24" X 30"	SPEED ZONE AHEAD	1 - 4" X 4"		
	18-5	R3(CA)	24" X 30"	END SPEED LIMIT	1 - 4" X 4"		
	TH-20	20-1	R2-4(CA)	24" X 30"	SPEED ZONE AHEAD		
		M5-6	24" X 18"	LANE DESIGNATION	2 - 4" X 6"		
		R3-5(R)	30" X 36"	RIGHT ONLY			
	20-2	G20-5aP	24" X 18"	WORK ZONE	1 - 4" X 6"		
		R2-1	30" X 36"	SPEED LIMIT 35			
	20-3			SEE TH-20 FOR DETAIL	1 - 6" X 6"		
	20-4	R3(CA)	24" X 30"	END SPEED LIMIT	1 - 4" X 4"		
20-5	FLASHING ARROW (TYPE A)		MERGE LEFT	N/A			
20-6	SC11(CA)	42" X 30"	LANE CLOSED	1 - 4" X 6"			
20-7	FLASHING ARROW (TYPE A)		MERGE LEFT OR RIGHT	N/A			
20-8	W74(CA)	36" X 36"	THRU TRAFFIC MERGE LEFT	1 - 4" X 6"			

**STAGE CONSTRUCTION
AND TRAFFIC HANDLING
QUANTITIES**

SCQ-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	181	358


 REGISTERED CIVIL ENGINEER DATE 07/01/20


PLANS APPROVAL DATE _____

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PARSONS
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CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTE:
CONSTRUCTION AREA SIGNS SHALL BE TYPE XI RETROREFLECTIVE.

CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING)

STAGE	SHEET	SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGN POSTS AND SIZE	
3A	TH-23	23-1	R3-2	36" X 36"	NO LEFT TURN MOVEMENT PROHIBITION	1 - 4" X 6"	
		23-2	W1-7	48" X 24"	DOUBLE ARROW	1 - 4" X 6"	
		23-3	R11-2	48" X 30"	ROAD CLOSED	1 - 4" X 6"	
		23-5	R2-4(CA)	24" X 30"	SPEED ZONE AHEAD	1 - 4" X 4"	
		23-6	R9-9	24" X 12"	PCMS; SEE TH-23 FOR DETAIL		
		23-7	R9-9	24" X 12"	SEE TH-9 FOR DETAIL	SIDEWALK CLOSED	1 - 4" X 4"
		23-8	C30(CA)	30" X 30"	SEE TH-9 FOR DETAIL	SIDEWALK CLOSED	1 - 4" X 4"
		23-9	C30(CA)	30" X 30"	SEE TH-9 FOR DETAIL	LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		23-10	C30(CA)	30" X 30"		LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		23-11	C30(CA)	30" X 30"		LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		23-12	C30(CA)	30" X 30"		LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		23-13	C30(CA)	30" X 30"		LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		23-14	C30(CA)	30" X 30"		LANE CLOSED	MOUNTED ON TYPE III BARRICADE
		TH-26	26-1	C2(CA) Alternate	48" X 30"	RAMP CLOSED	2 - 4" X 6"
	26-2		C38(CA)	48" X 36"	USE NEXT EXIT		
	26-3		C19(CA) Alternate	48" X 48"	RAMP CLOSED AHEAD	1 - 6" X 6"	
	TH-27	27-1	G20-5aP	24" X 18"	RAMP CLOSED AHEAD	1 - 6" X 6"	
		27-2	R2-1	30" X 36"	WORK ZONE	1 - 4" X 6"	
		27-3	R3(CA)	24" X 30"	SPEED LIMIT 35	1 - 4" X 4"	
		27-4	G20-5aP	24" X 18"	SPEED ZONE AHEAD	1 - 4" X 4"	
		27-5	R2-1	30" X 36"	END SPEED LIMIT	1 - 4" X 4"	
	TH-28	28-1	G20-2	36" X 18"	WORK ZONE	1 - 4" X 4"	
		28-2	R11-2	48" X 30"	END ROAD WORK	MOUNTED ON TYPE III BARRICADE	
		28-3	W1-7	48" X 24"	ROAD CLOSED	MOUNTED ON TYPE III BARRICADE	
		28-4	C30(CA)	30" X 30"	DOUBLE ARROW	MOUNTED ON TYPE III BARRICADE	
		28-5	C30(CA)	30" X 30"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
		28-6	W20-1	36" X 36"	LANE CLOSED	MOUNTED ON TYPE III BARRICADE	
		28-7	R61-19(CA)	36" X 30"	ROAD WORK AHEAD	1 - 4" X 6"	
	TH-32	28-8	W20-1	36" X 36"	INTERSECTION LANE CONTROL	1 - 4" X 6"	
		29-1	G20-2	48" X 24"	ROAD WORK AHEAD	1 - 4" X 6"	
		31-1	C19(CA) Alternate	36" X 36"	END ROAD WORK	1 - 4" X 6"	
		32-1	C2(CA) Alternate	48" X 30"	RAMP CLOSED AHEAD	1 - 4" X 6"	
		32-2	C30(CA)	30" X 30"	RAMP CLOSED	1 - 4" X 6"	
		32-3	R3-1	36" X 36"	LANE CLOSED	1 - 4" X 4"	
32-4		C30(CA)	30" X 30"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"		
32-5		R3-1	36" X 36"	LANE CLOSED	1 - 4" X 4"		
32-6		C2(CA) Alternate	48" X 30"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 4"		
32-7		C2(CA) Alternate	48" X 30"	RAMP CLOSED	1 - 4" X 6"		
TH-33	32-8	R3-1	36" X 36"	RAMP CLOSED	1 - 4" X 6"		
	32-9	C2(CA) Alternate	48" X 30"	NO RIGHT TURN MOVEMENT PROHIBITION	1 - 4" X 6"		
	33-1	C19(CA) Alternate	36" X 36"	RAMP CLOSED	1 - 4" X 6"		
TH-34	34-1	C30A(CA)	48" X 48"	RAMP CLOSED AHEAD	1 - 4" X 6"		
	34-2	W7-3aP	24" X 18"	SHOULDER CLOSED	1 - 6" X 6"		
	34-3	W21-5b	48" X 48"	NEXT 1 MILE	1 - 6" X 6"		
					RIGHT SHOULDER CLOSED	1 - 6" X 6"	
					ROAD WORK AHEAD	1 - 6" X 6"	

STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

CONSULTANT - FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED - DESIGNED BY
 CHECKED BY

MARIA WILSON
 DANIEL KACHI

REVISED BY
 DATE REVISED

x
 x
 x
 x
 x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISIONS: REVISED BY: DATE REVISED

NOTES:

1. ALL CONFLICTING PAVEMENT DELINEATION SHALL BE REMOVED.
2. ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC ENHANCED WET NIGHT VISIBILITY UNLESS OTHERWISE SHOWN.
3. PAINTED TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE 2-COATS.
4. THE EXACT LOCATION OF PAVEMENT MARKINGS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. THE WIDTH OF CROSSWALKS SHALL BE 10' INSIDE TO INSIDE UNLESS OTHERWISE SHOWN.
6. WHITE STRIPES AT APPROACHES OR DEPARTURES OF AN INTERSECTION ARE TYPICALLY 100' LONG.
7. PLACE ARROWS 20' BEFORE LIMIT LINE OR CROSSWALK.

LEGEND:

- CHANGE OF TRAFFIC STRIPE DETAIL
- F➤ TYPE F DELINEATOR
- G➤ TYPE G DELINEATOR
- ⚡ BEGIN/END OF TRAFFIC STRIPE DETAIL
- (No.) TRAFFIC STRIPE DETAIL NUMBER
- (XW) 12" WHITE SOLID LIMIT LINE
- (CW) 24" WHITE SOLID CONTINENTAL CROSSWALK (STRIPES 4' ON CENTER)
- (BB) INSTALL PREFORMED GREEN THERMOPLASTIC PAVEMENT MARKING
- (RM) TYPE RY ONE-WAY RETROREFLECTIVE MARKERS @ 4' SPACING
- (HOV) HOV DIAMOND PAVEMENT MARKING
- (CG) 18" WHITE CHEVRON GORE MARKINGS @ 50' SPACING, 45°
- (CH) 4" WHITE CHEVRON MARKINGS @ 25' SPACING, 45°
- (DC) 12" WHITE DIAGONAL CROSSHATCH MARKINGS @ 25' SPACING, 45°
- (6") 6" SOLID WHITE TRAFFIC STRIPE
- CT CONTRAST TREATMENT
- ♠ SPEED NUMERAL
- PM PAVEMENT MARKING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	182	358

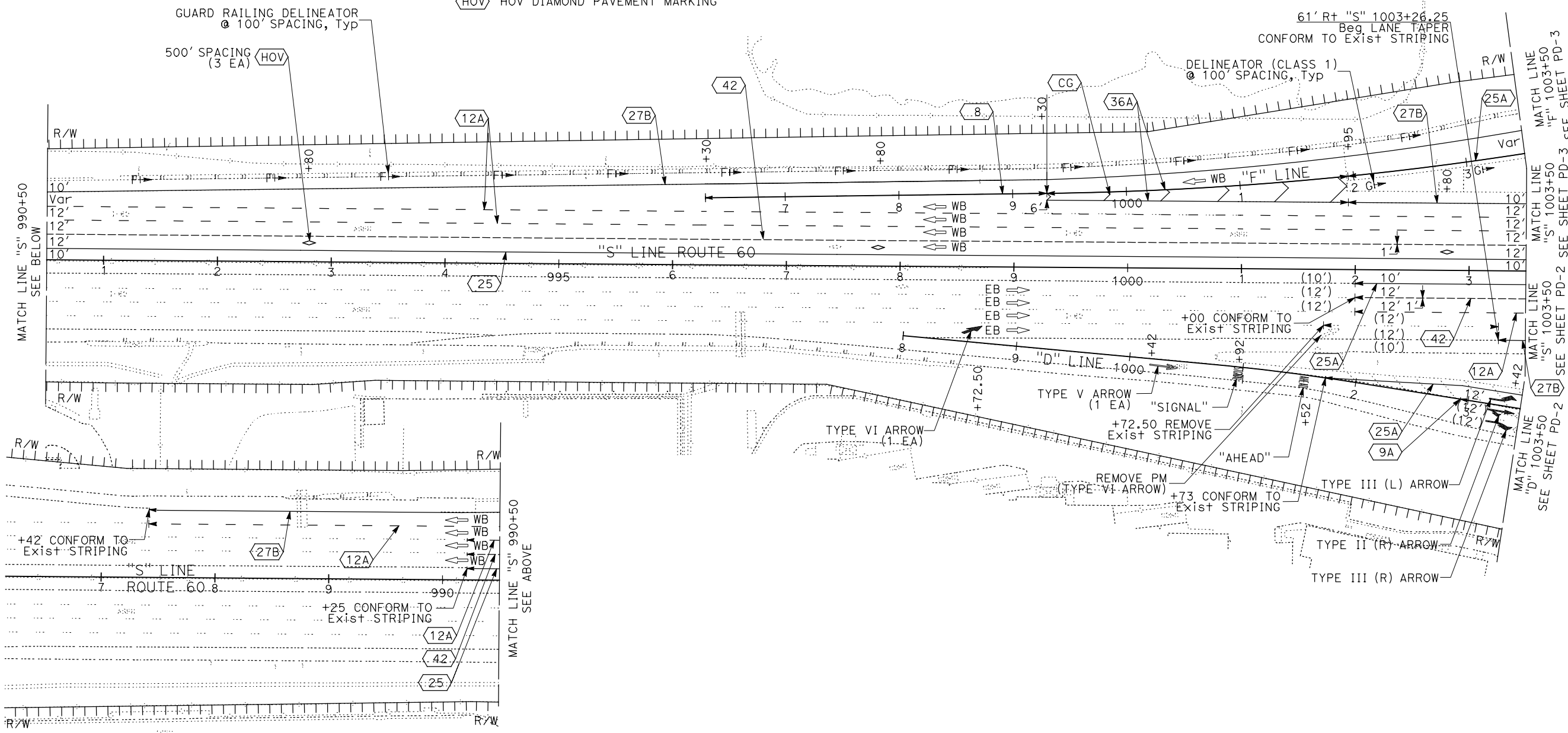
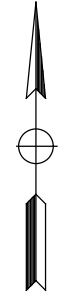
Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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 MORENO VALLEY, CALIFORNIA 92552



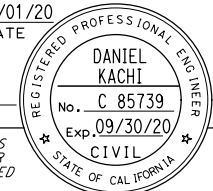
PAVEMENT DELINEATION PD-1
 SCALE: 1" = 50'

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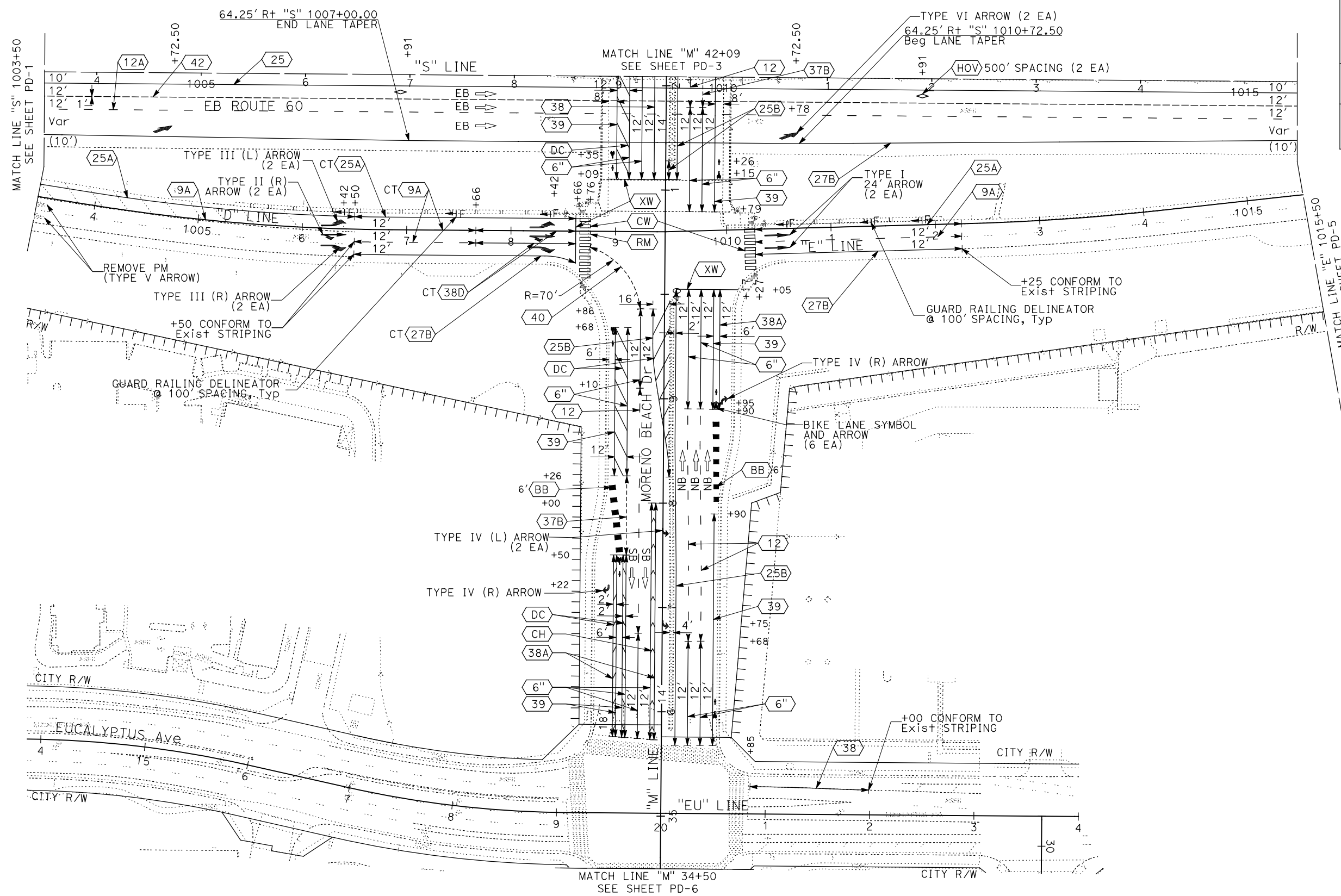
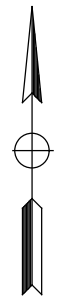
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	183	358

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 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN BRANCH H

REVISOR: ERIC ADELMAN, DANIEL KACHI
 CALCULATED/DESIGNED BY: ERIC ADELMAN, DANIEL KACHI
 CHECKED BY: ERIC ADELMAN, DANIEL KACHI
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY

USERNAME => p003256D
 DGN FILE => 0812000059na002.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 2232

PROJECT NUMBER & PHASE 08120000591

PAVEMENT DELINEATION
 SCALE: 1" = 50'
PD-2

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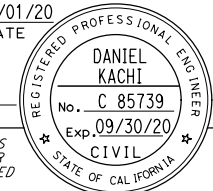
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 00-00-00 TIME PLOTTED => 09:40

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	184	358

Daniel Kachi 07/01/20
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PLANS APPROVAL DATE

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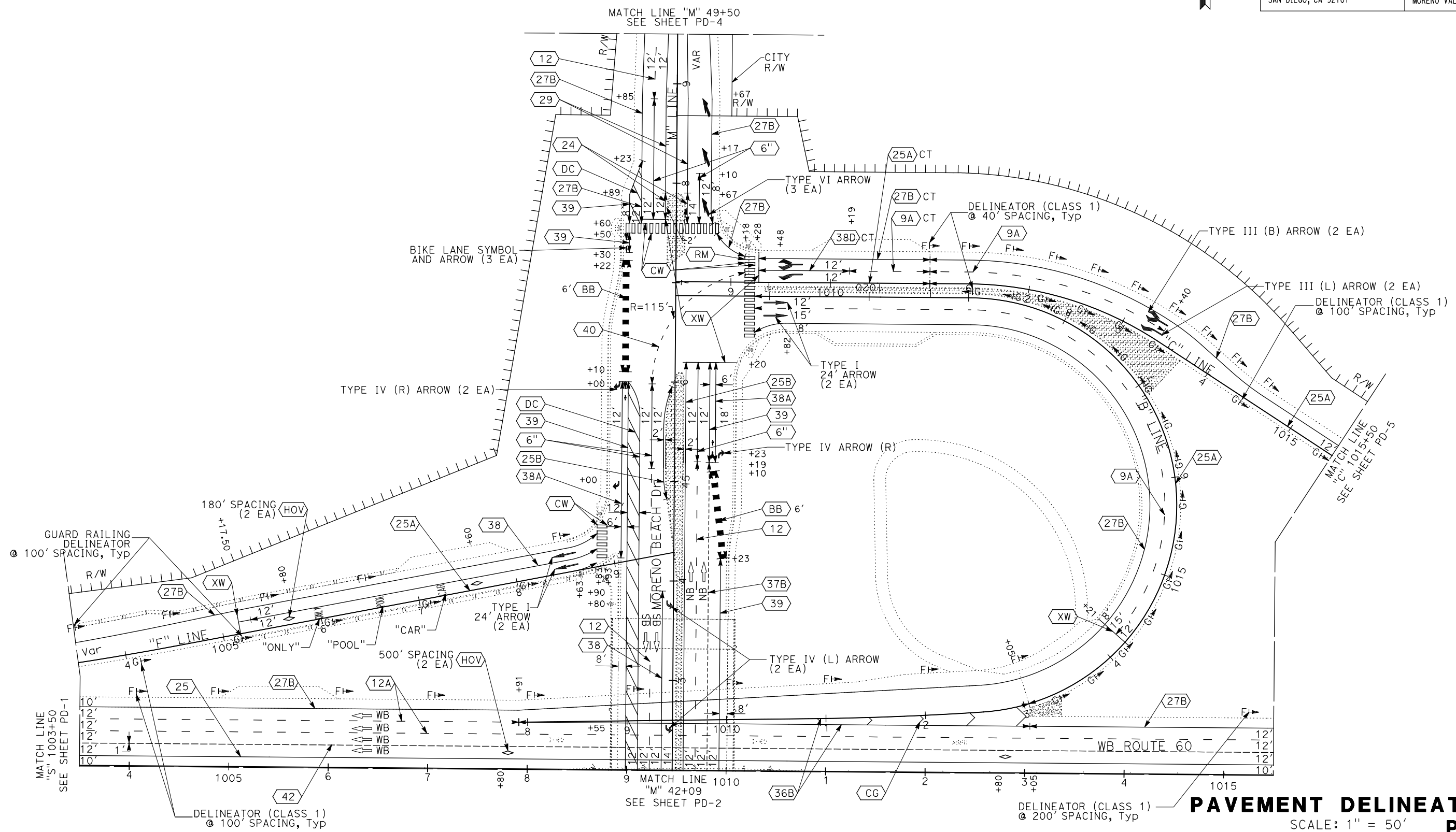


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SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISED BY	DATE REVISED



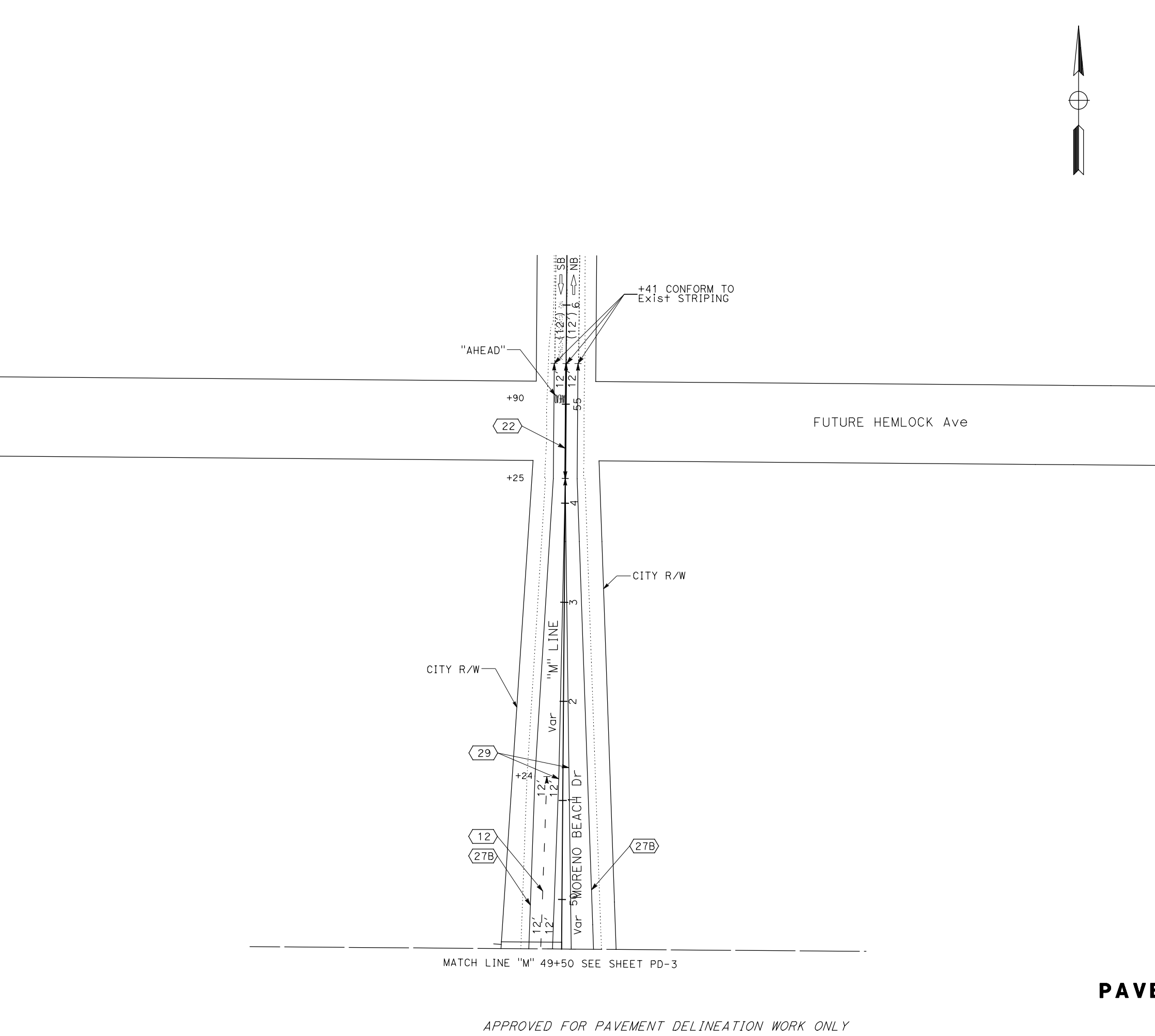
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PAVEMENT DELINEATION PD-3
SCALE: 1" = 50'

LAST REVISION DATE PLOTTED => 28-JUL-2020
00-00-00 TIME PLOTTED => 09:40

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Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: [blank] CHECKED BY: [blank]
 ERIK ADELMAN DANIEL KACHI
 REVISED BY: [blank] DATE REVISED: [blank]



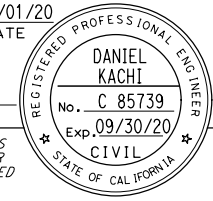
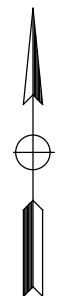
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	185	358

Daniel Kachi 07/01/20
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 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



MATCH LINE "M" 49+50 SEE SHEET PD-3

PAVEMENT DELINEATION
 SCALE: 1" = 50'
PD-4

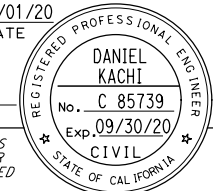
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	186	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER DATE 07/01/20

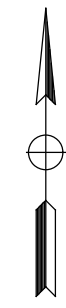
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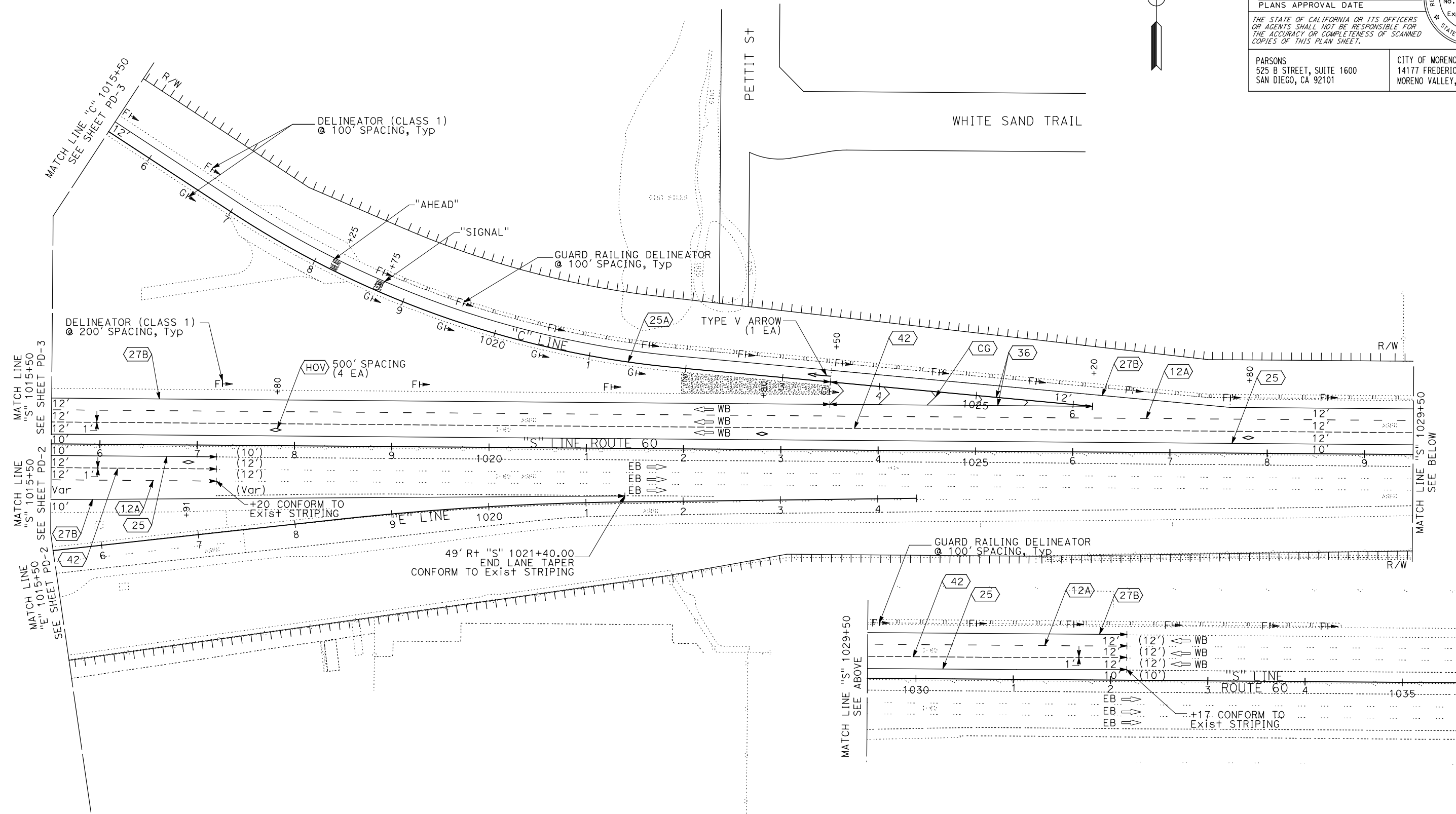
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 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISIONS: REVISOR: DATE
 ERIC ADELMAN DANIEL KACHI



PAVEMENT DELINEATION
 SCALE: 1" = 50'
PD-5

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

BORDER LAST REVISED 7/2/2010

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UNIT 2232

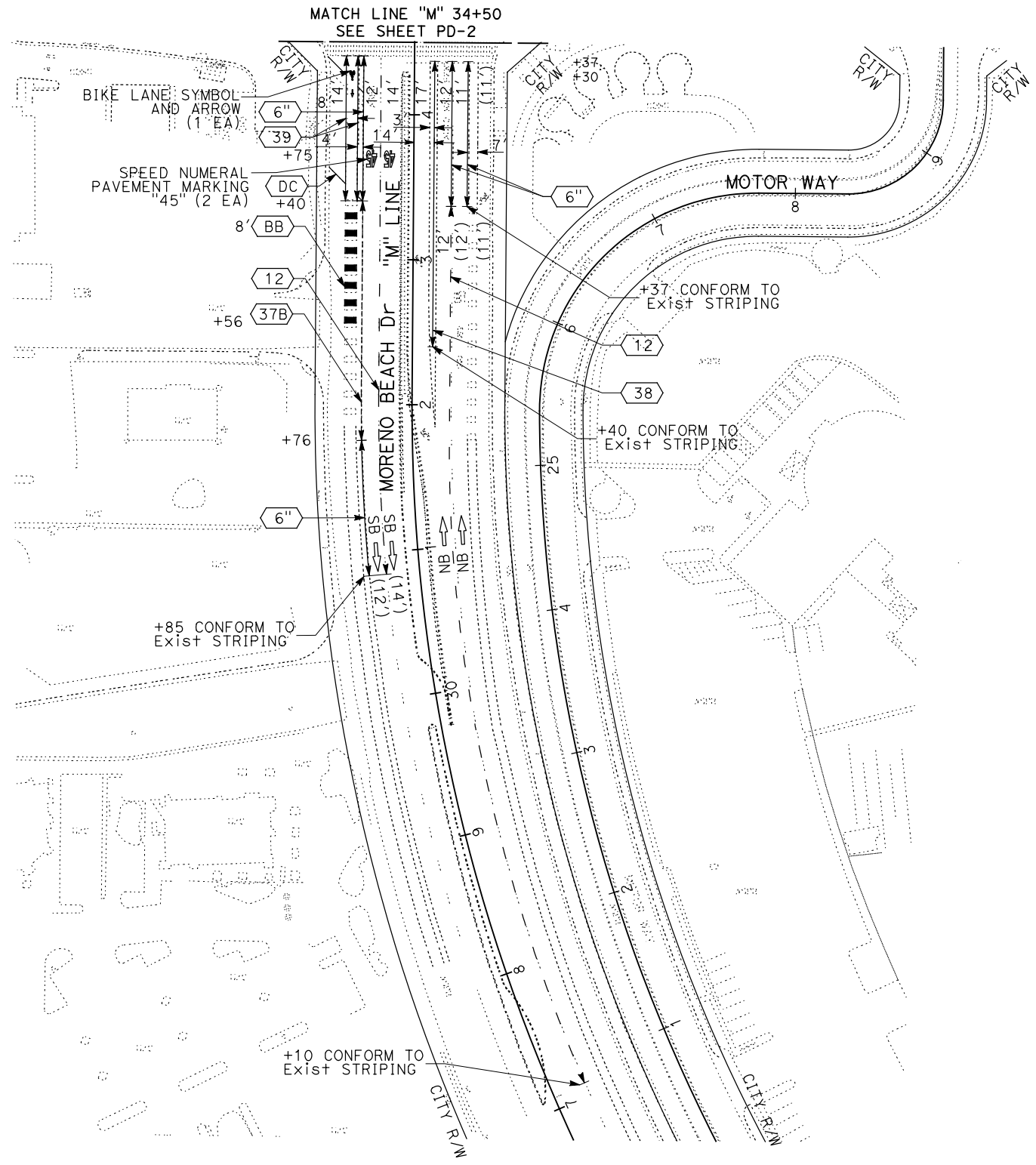
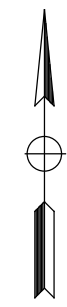
PROJECT NUMBER & PHASE

08120000591

LAST REVISION: DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:40

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	ERIK ADELMAN	REVISOR	DATE
Caltrans		NICOLE DEPUY	CHECKED BY	DANIEL KACHI		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	187	358
Daniel Kachi REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
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APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION
 SCALE: 1" = 50'
PD-6

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 09:41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H





CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED/DESIGNED BY
 CHECKED BY

ERIK ADELMAN
 DANIEL KACHI

REVISED BY
 DATE REVISED

LEGEND:

-  DIRECTION OF TRAVEL
-  CONTRASTING WHITE FILM BORDER
-  GREEN FILM WITH RETROREFLECTIVE CERAMIC BEADS
-  TYPE R ONE-WAY RED RETROREFLECTIVE PAVEMENT MARKER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	188	358

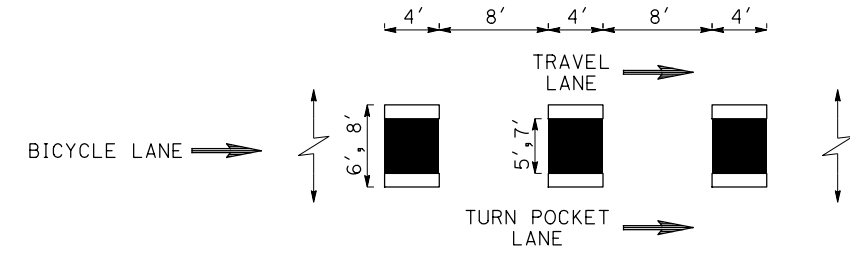
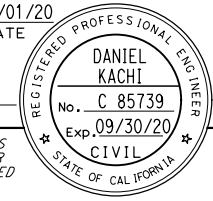
Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

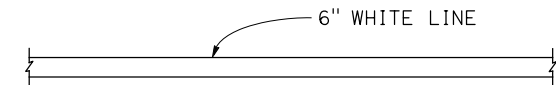
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CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



DETAIL BB
 PREFORMED GREEN THERMOPLASTIC PAVEMENT MARKING



DETAIL 6"

PAVEMENT DELINEATION DETAILS
 NO SCALE **PDD-1**

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 09:41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISIONS: REVISOR: DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	189	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

PAVEMENT DELINEATION QUANTITIES

SHEET No.	STATION LIMIT	DIRECTION	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)						THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)					
			6"			8"		12"	6"			8"		
			WHITE (BROKEN 17-7) DETAIL 8, 9A	WHITE (BROKEN 18-12) DETAIL 12A	SOLID WHITE DETAIL 27B	SOLID YELLOW DETAIL 25, 25B	WHITE (BROKEN 36-12) DETAIL 42	SOLID WHITE DETAIL 38, 38A, 38D	WHITE (BROKEN 18-12) DETAIL 12	WHITE (BROKEN 6-1) DETAIL 40	SOLID WHITE DETAIL 6", 27B, 39	SOLID YELLOW DETAIL 22, 24, 25A, 29	WHITE (BROKEN 12-3) DETAIL 37B	SOLID WHITE DETAIL 38, 38A
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF			
PD-1	"S" 987+42 TO 1003+50	WB	300	2,938	1,036	1,330	1,329		265					
	"F" 996+30 TO 1003+50	WB			720	157			266					
	"S" 1002+00 TO 1003+50	EB		150	24	150	150							
	"D" 1001+73 TO 1003+50	EB	54			174								
PD-2	"S" 1003+50 TO 1015+50	EB		1,544	1,225	1,200	1,200							
	"D" 1003+50 TO 1008+66	EB	537		214	519		188						
	"E" 1010+27 TO 1015+50	EB	198		198	198								
PD-3	"M" 34+50 TO 42+09	NB/SB							716	89	2,580	715	76	727
	"B" 1008+00 TO 1021+95	WB	667		1,242	811			514					
	"C" 1009+00 TO 1015+50	WB	329		637	622		91						
	"F" 1003+50 TO 1008+90	WB			538	532		357						
	"S" 1003+50 TO 1015+50	WB		1,642	687	1,200	1,200		514					
PD-4	"M" 49+50 TO 55+41	NB/SB							174		1,183	951		
PD-5	"C" 1015+50 TO 1026+20	WB			1,065	800			271					
	"S" 1015+50 TO 1032+17	WB		1,667	1,255	1,667	1,667		270					
	"S" 1015+50 TO 1021+40	EB		170	590	170	170							
PD-6	"M" 27+10 TO 34+50	NB/SB							975		594		165	197
SUBTOTAL			2,085	8,111	9,431	9,530	5,716	636	2,100	2,542	248	8,833	554	1,382
GRAND TOTAL			2,085	8,111	18,961		5,716	636	2,100	13,559				

PAVEMENT DELINEATION QUANTITIES PDQ-1

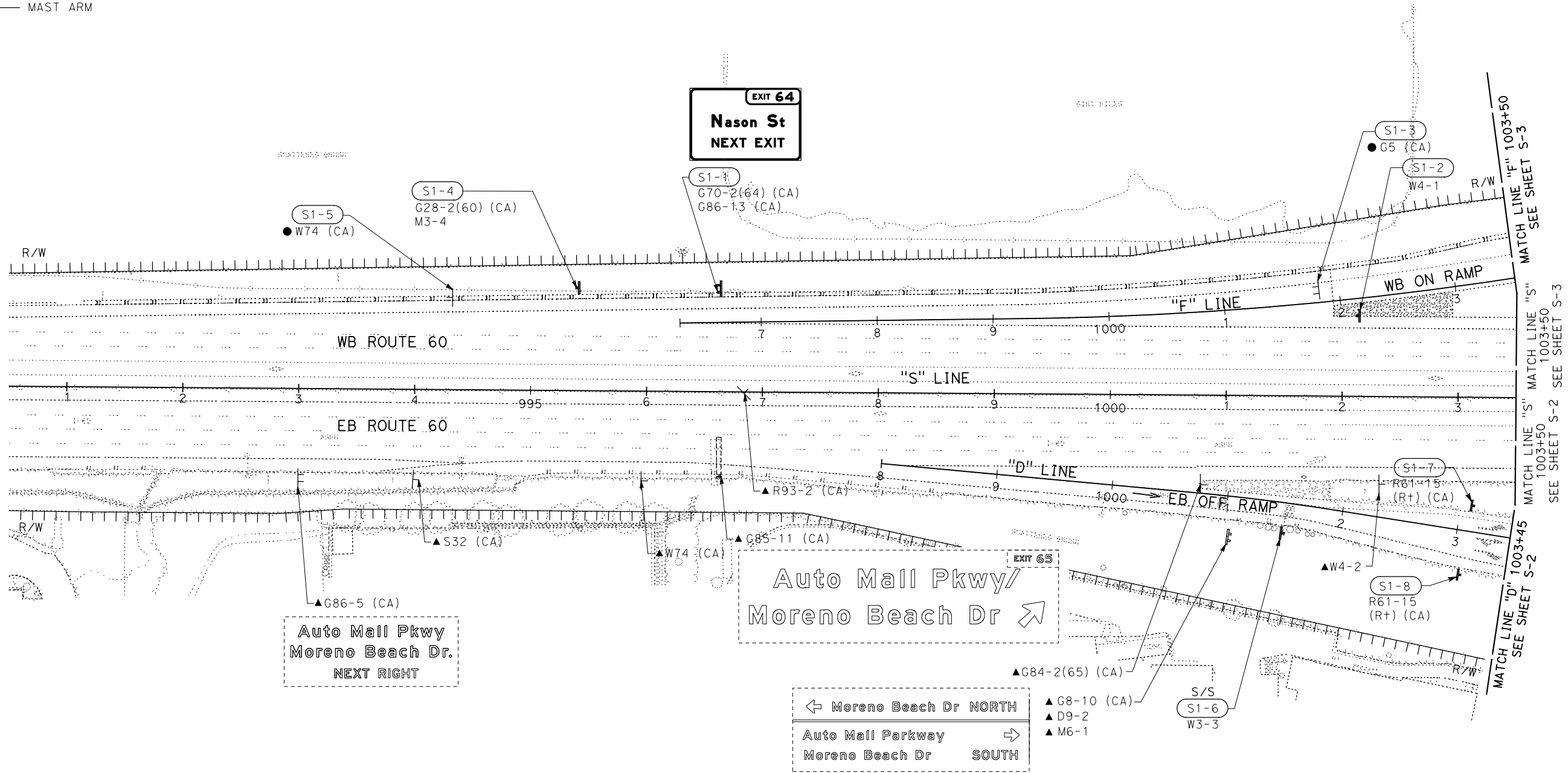


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DANIEL KACHI
 REVISED BY: ERIK ADELMAN
 DATE REVISED: DANIEL KACHI

LEGEND

- | | | |
|----------------------------|-----------------------------------|--------------------------------------|
| (No.) ROADSIDE SIGN NUMBER | ■ RELOCATE SIGN | — OVERHEAD SIGN |
| (No.) OVERHEAD SIGN NUMBER | ● REMOVE SIGN | --- Exist OVERHEAD SIGN |
| ┆ ROADSIDE SIGN ONE POST | ▲ EXIST SIGN TO REMAIN | — BRIDGE MOUNTED OVERHEAD SIGN |
| ┆ ROADSIDE SIGN TWO POST | ▼ SIGNAL POST | — Exist BRIDGE MOUNTED OVERHEAD SIGN |
| ┆ Exist SIGN ONE POST | S/S STRAP AND SADDLE MOUNTED SIGN | SNS STREET NAME SIGN |
| ┆ Exist SIGN TWO POST | MA MAST ARM MOUNTED SIGN | BM BRIDGE MOUNTED SIGN |
| — MAST ARM | | |

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	191	358
Daniel Kachi REGISTERED CIVIL ENGINEER		07/01/20 DATE			
PLANS APPROVAL DATE					
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Auto Mall Pkwy
 Moreno Beach Dr.
 NEXT RIGHT

Auto Mall Pkwy/
 Moreno Beach Dr

← Moreno Beach Dr NORTH
 Auto Mall Parkway
 Moreno Beach Dr SOUTH →

SIGN PLAN
 SCALE: 1" = 50'

S-1

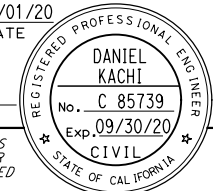
APPROVED FOR SIGN WORK ONLY

LAST REVISION: 00-00-00 DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 10:51

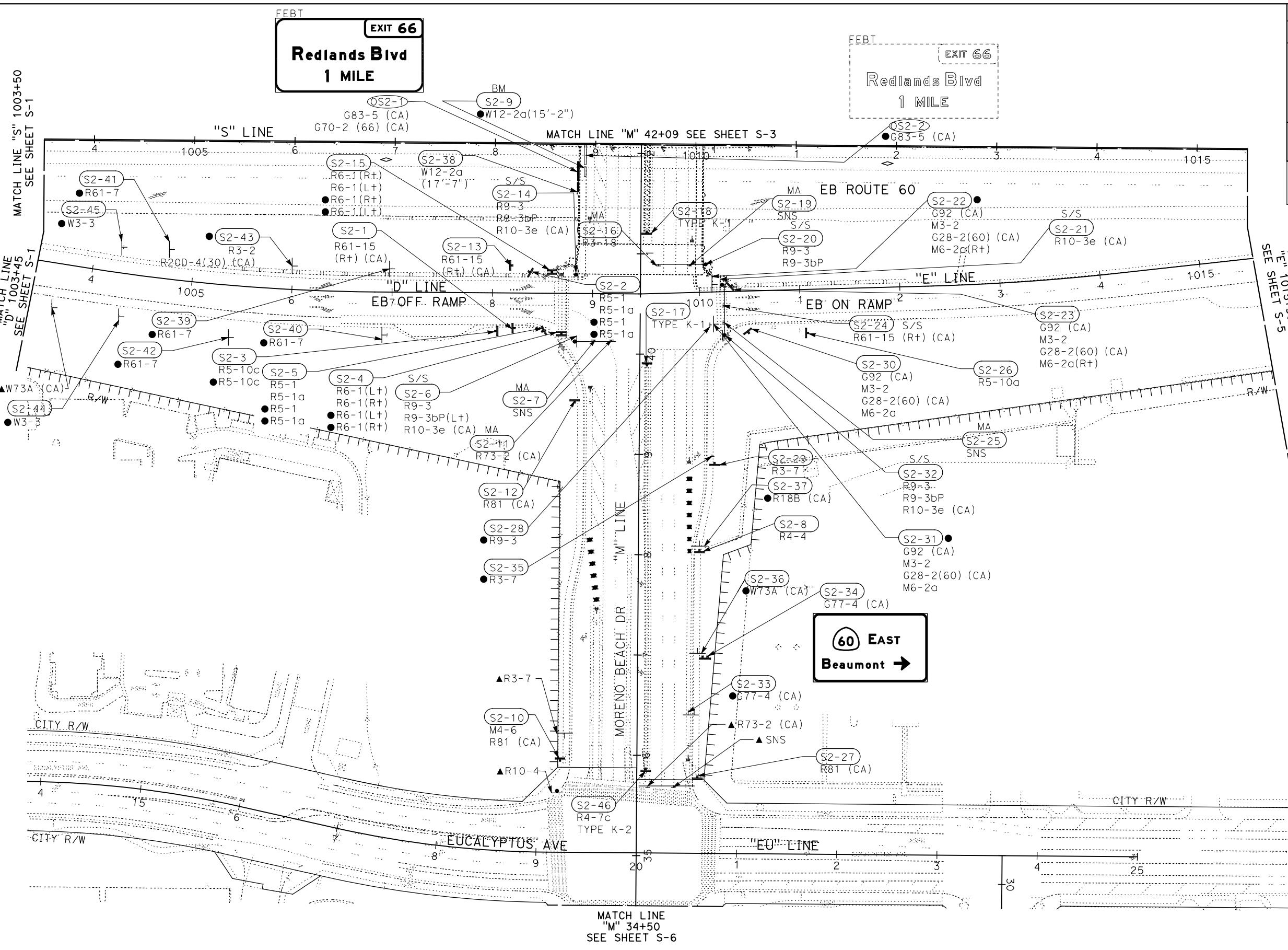
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 ERIK ADELMAN DANIEL KACHI
 REVISED BY: DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	192	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
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PARSONS
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 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY
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 MORENO VALLEY, CALIFORNIA 92552



SIGN PLAN
 SCALE: 1" = 50'
S-2

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: DANIEL KACHI
 CHECKED BY: DANIEL KACHI
 REVISIONS: REVISOR: ERIK ADELMAN, DATE: [blank]
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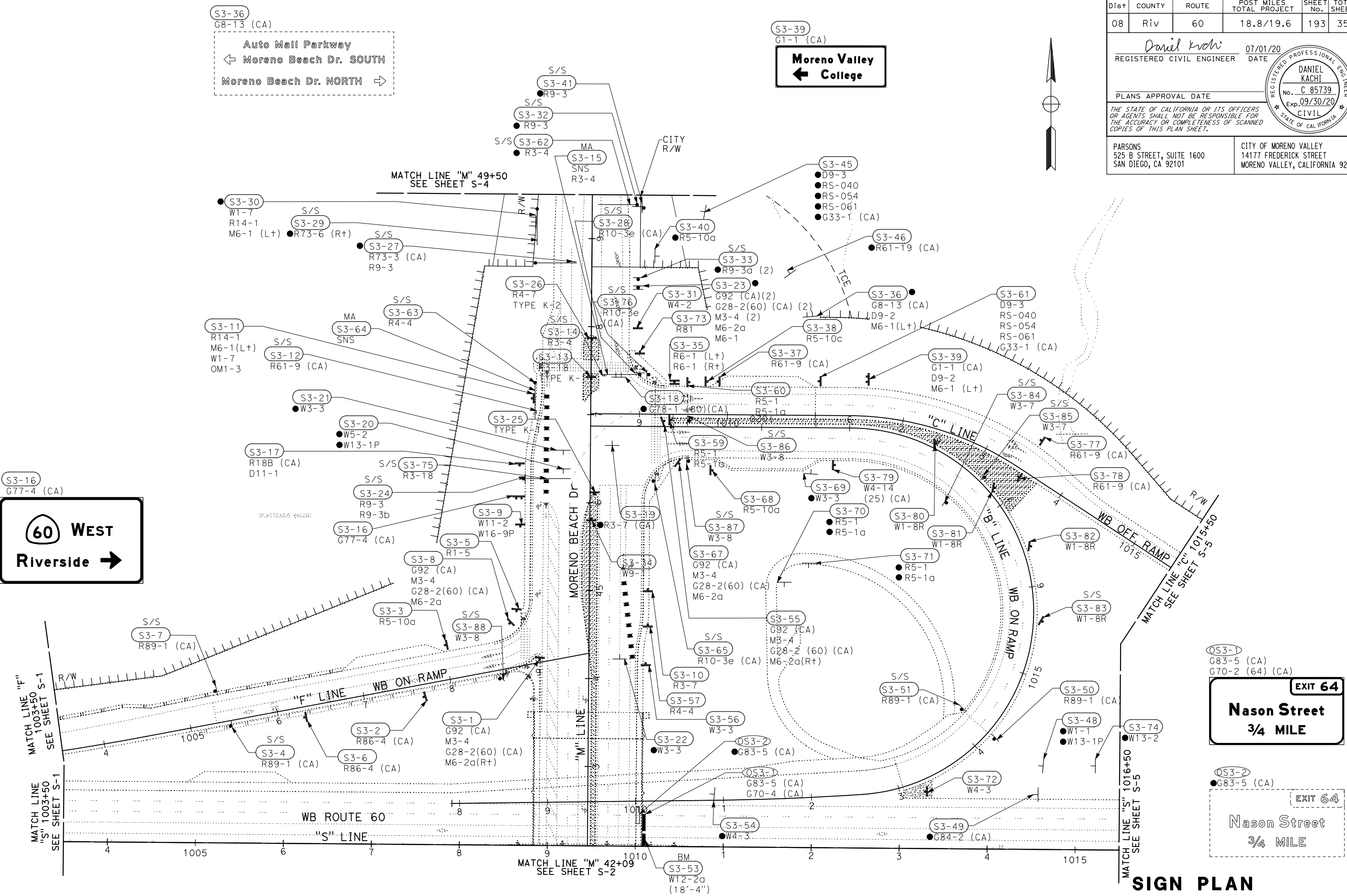
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	193	358

Daniel Kachi
 REGISTERED CIVIL ENGINEER 07/01/20
 DATE: 09/30/20
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: _____
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PARSONS
 525 B STREET, SUITE 1600
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CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

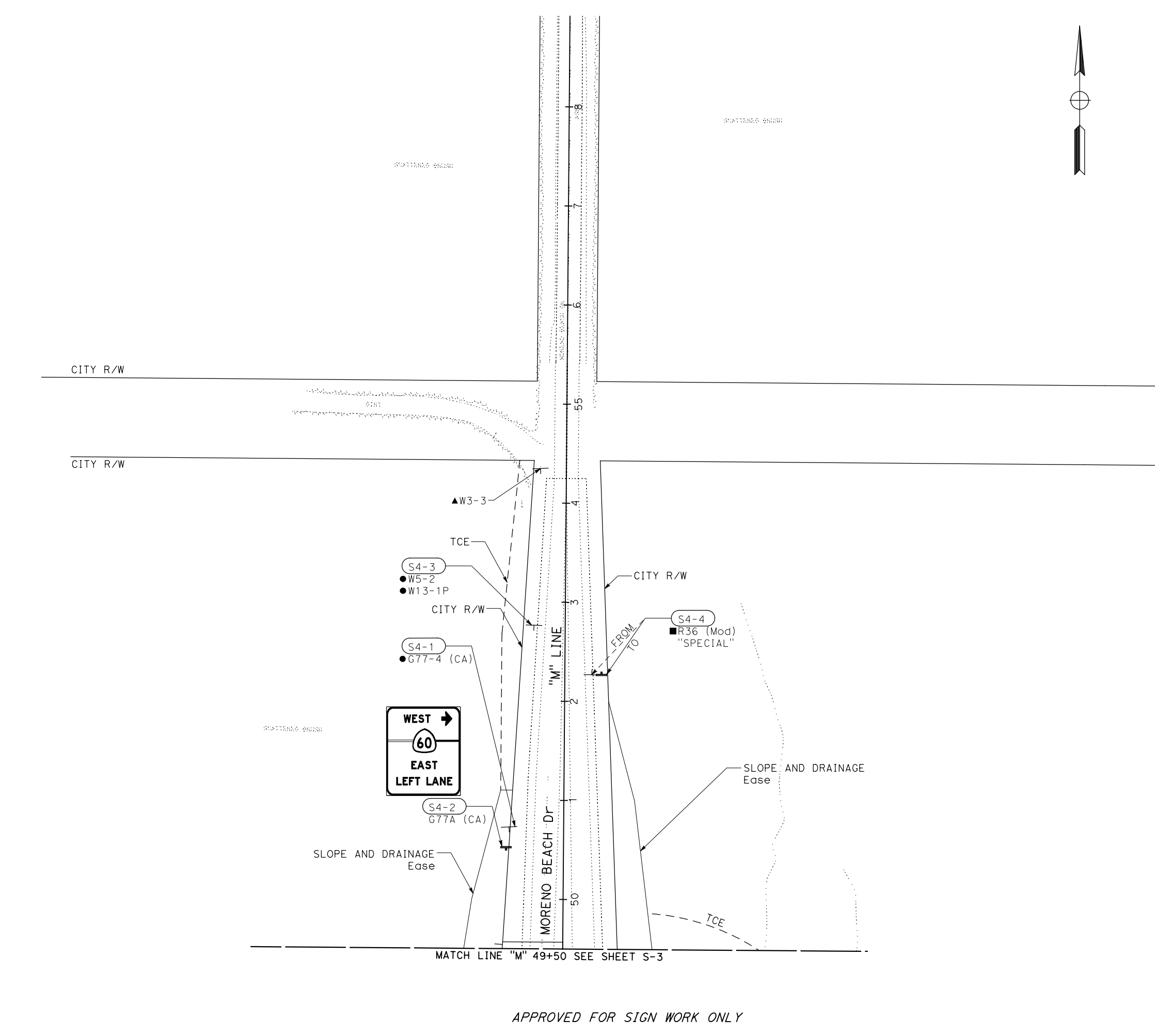


APPROVED FOR SIGN WORK ONLY

SIGN PLAN
 SCALE: 1" = 50'
S-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT SUPERVISOR	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	REVISION
NICOLE DEPUY	NICOLE DEPUY	CHECKED BY	ERIK ADELMAN	
			DANIEL KACHI	



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	194	358

Daniel Kachi 07/01/20
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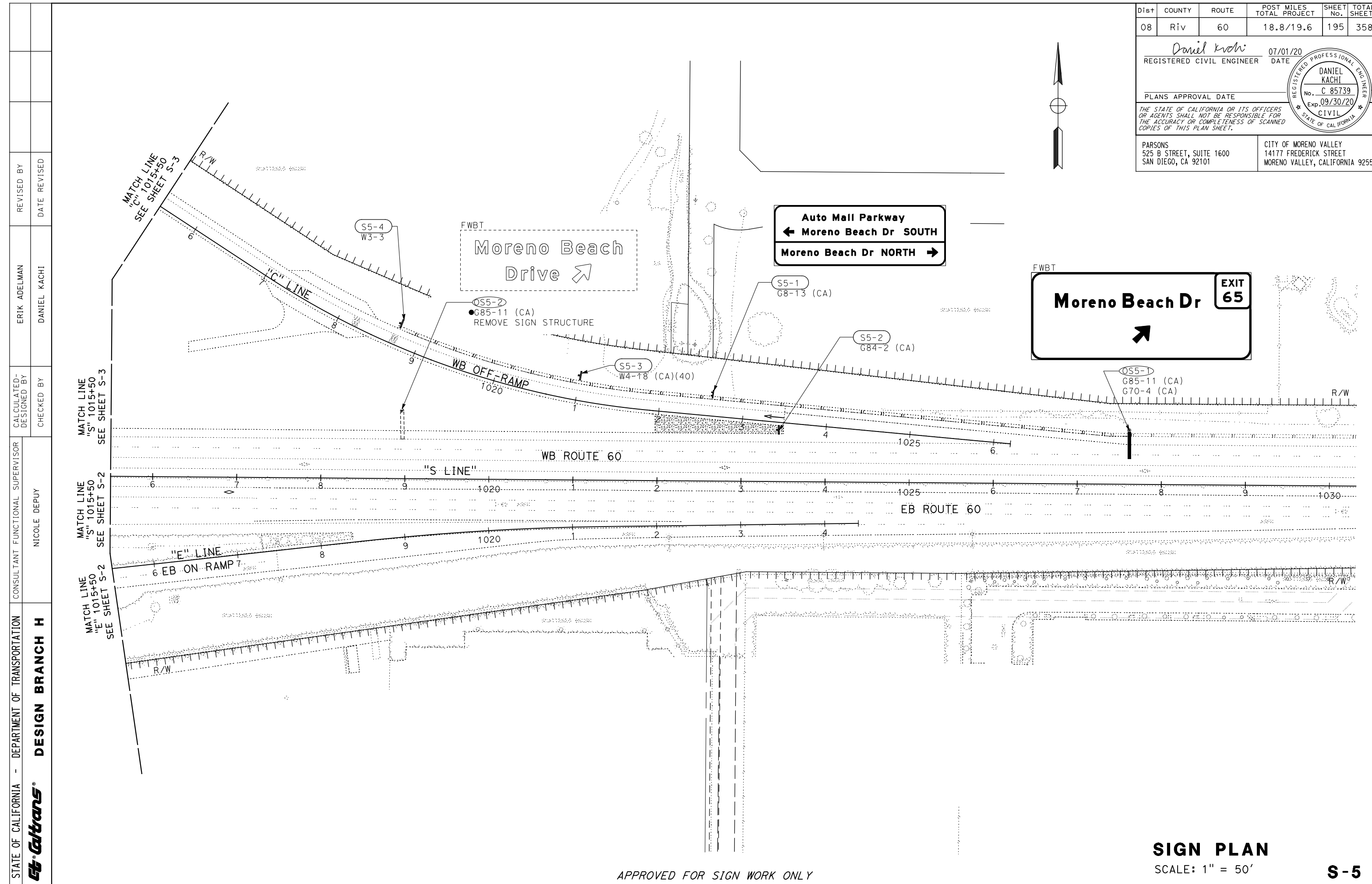
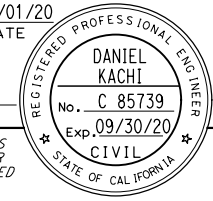
LAST REVISION | DATE PLOTTED => 28-JUL-2020
 00-00-00 | TIME PLOTTED => 10:51

APPROVED FOR SIGN WORK ONLY

SIGN PLAN
 SCALE: 1" = 50'

S-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	195	358
Daniel Kachi		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
ERIK ADELMAN	DANIEL KACHI
REVISED BY	DATE REVISED

APPROVED FOR SIGN WORK ONLY

SIGN PLAN
SCALE: 1" = 50'

S-5

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 10:52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	ERIK ADELMAN	REVISOR	DATE
Caltrans DESIGN BRANCH H	DANIEL KACHI	DESIGNER	DATE
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	DATE
NICOLE DEPUY			

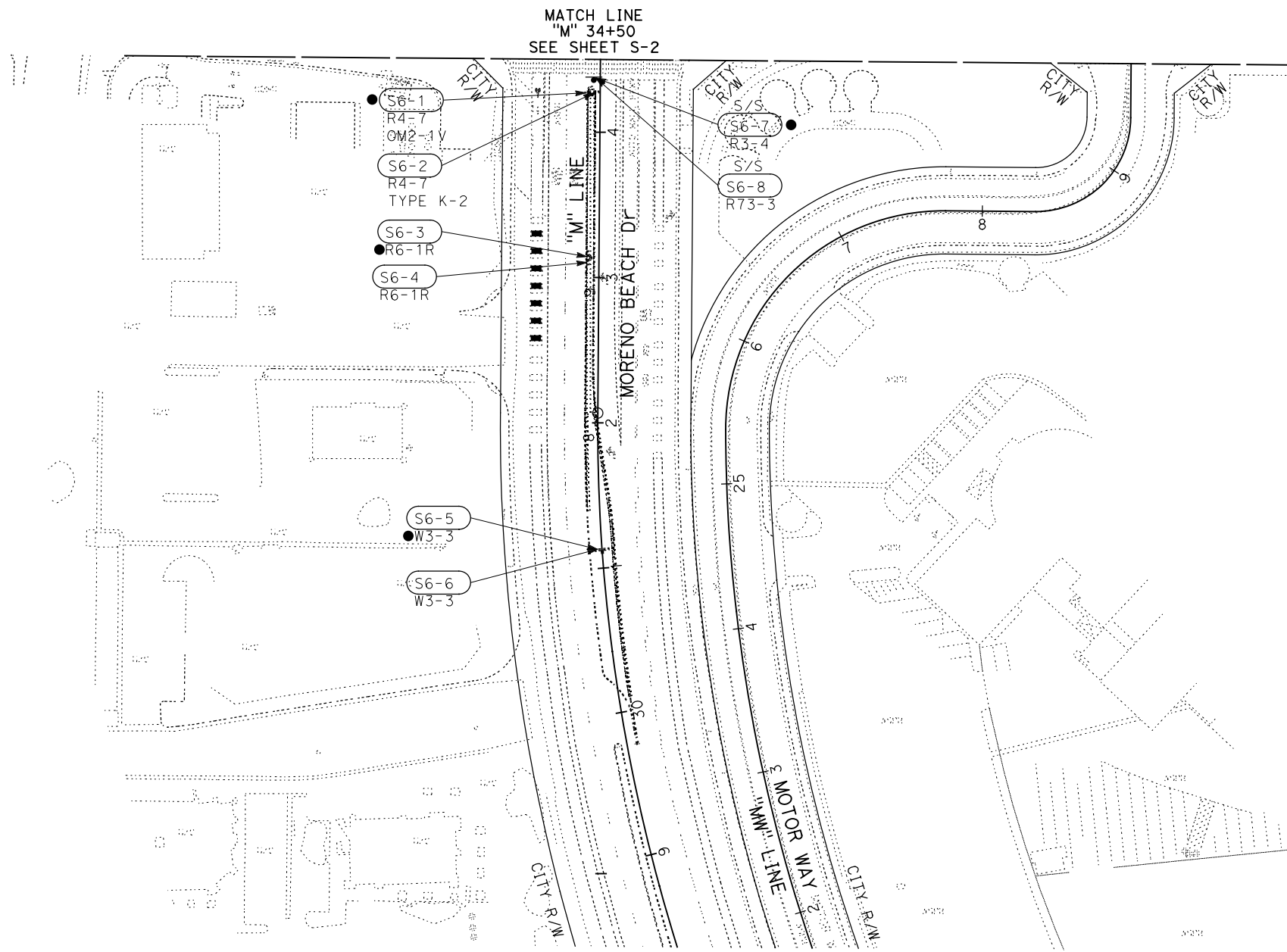
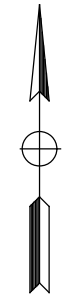
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Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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APPROVED FOR SIGN WORK ONLY

SIGN PLAN
SCALE: 1" = 50' **S-6**

LAST REVISION DATE PLOTTED => 28-JUL-2020
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY

CALCULATED/DESIGNED BY
 CHECKED BY

ERIK ADELMAN
 DALE WILSON

REVISED BY
 DATE REVISED

REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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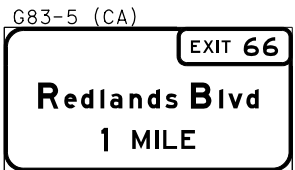
Daniel Kachi 07/01/20
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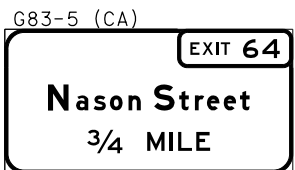
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
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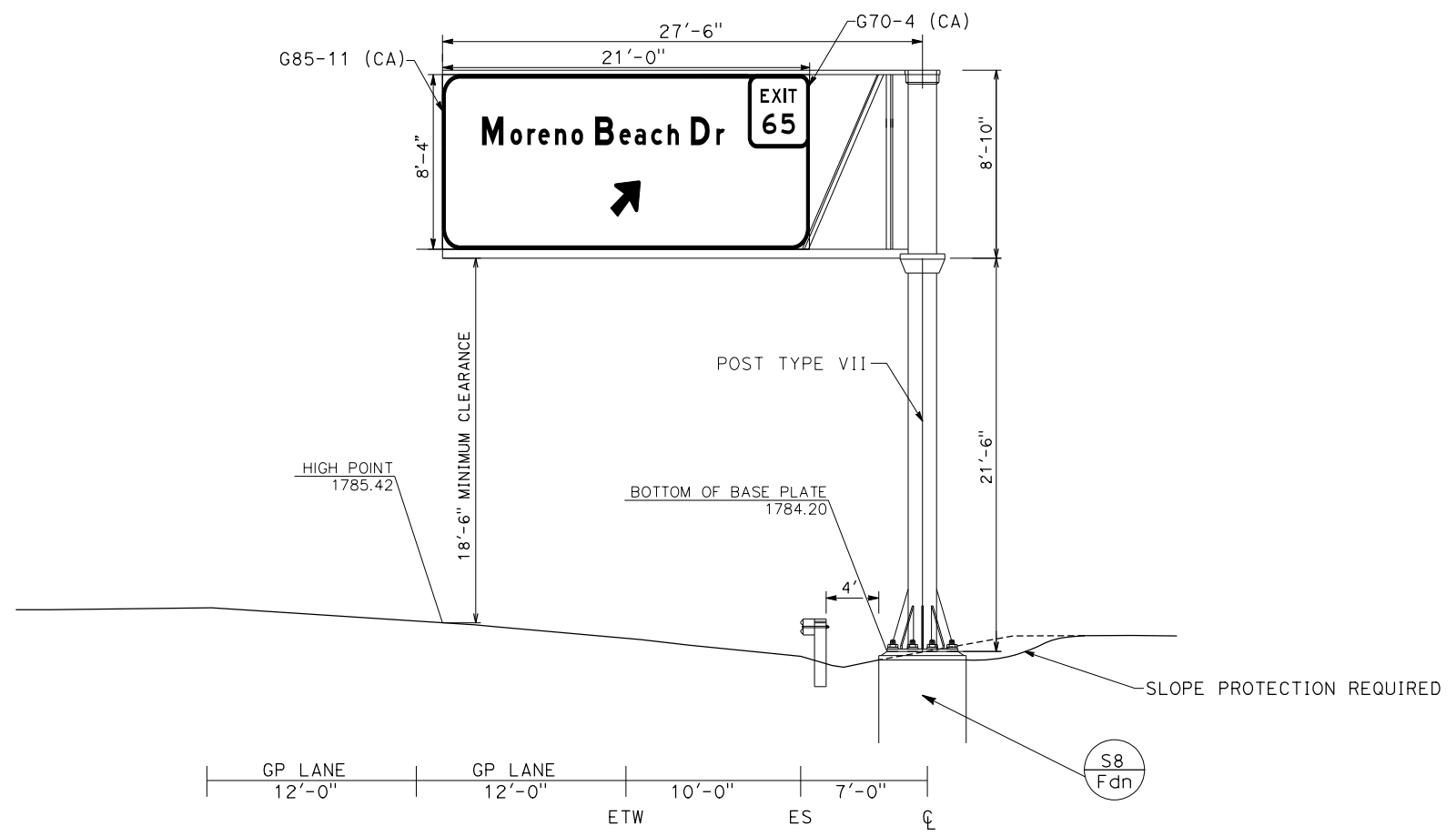
OS2-1

FURNISH AND INSTALL SIGN STRUCTURE
 (BRIDGE MOUNTED WITH WALKWAY)
 Sta 1008+84 "S" LINE - FEBT
 BRIDGE No. 56-0845
 MORENO BEACH Dr OC
 ILLUMINATION REQUIRED
 SEE BRIDGE AND ELECTRICAL PLANS



OS3-1

FURNISH AND INSTALL SIGN STRUCTURE
 (BRIDGE MOUNTED WITH WALKWAY)
 Sta 1010+10 "S" LINE - FWBT
 BRIDGE No. 56-0845
 MORENO BEACH Dr OC
 ILLUMINATION REQUIRED
 SEE BRIDGE AND ELECTRICAL PLANS



OS5-1

FURNISH AND INSTALL OVERHEAD SIGN STRUCTURE (TRUSS)
 Sta 1027+62 "S" LINE - FWBT
 ILLUMINATION REQUIRED
 SEE ELECTRICAL PLANS

SIGN DETAILS
 NO SCALE **SD-1**

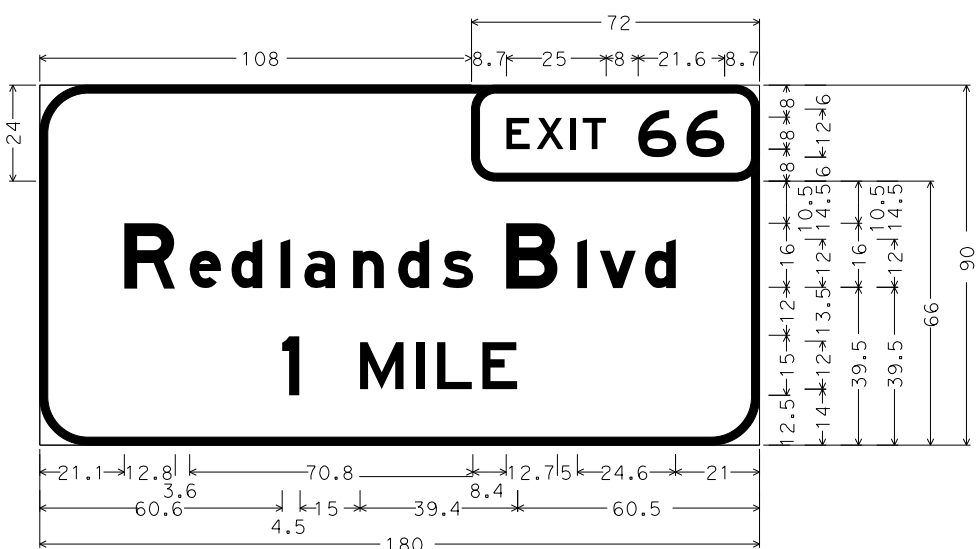
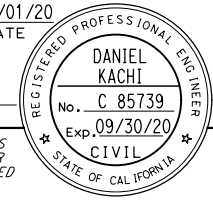
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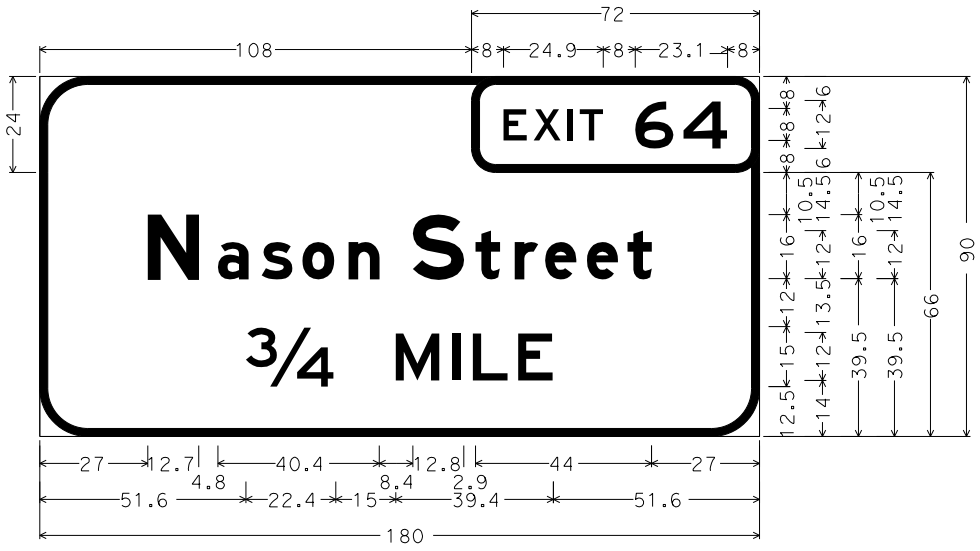
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



G83-5 (CA);
 12.0" Radius, 2.0" Border, White on Green;
 "Redlands Blvd", E Mod; "1 MILE", E;

G70-2 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT 66", E;

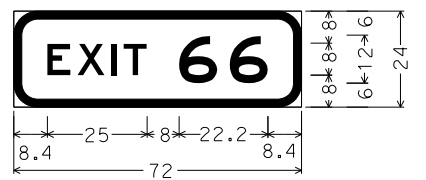
OS2-1
 G83-5 (CA)
 BRIDGE MOUNTED SIGN
 FEBT Sta 1008+84 "S" LINE



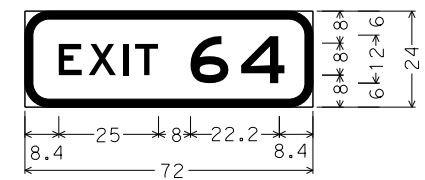
G83-5 (CA);
 12.0" Radius, 2.0" Border, White on Green;
 "Nason Street", E Mod; "3/4 MILE", E;

G70-2 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT 64", E;

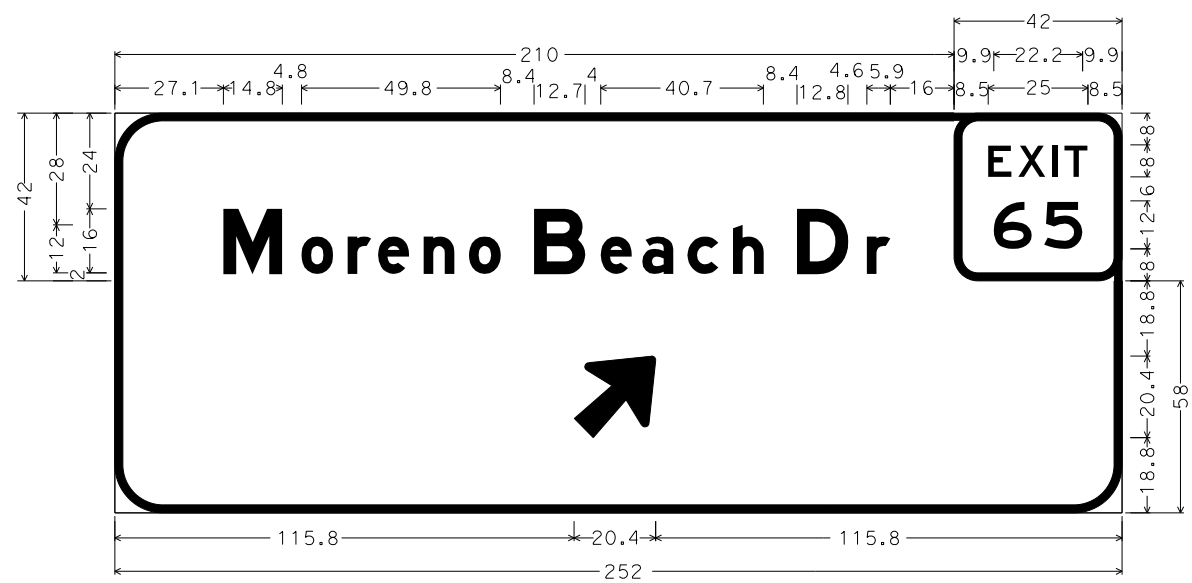
OS3-1
 G83-5 (CA)
 BRIDGE MOUNTED SIGN
 FWBT Sta 1010+10 "S" LINE



G70-2 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT 66", E;



G70-2 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT 64", E;

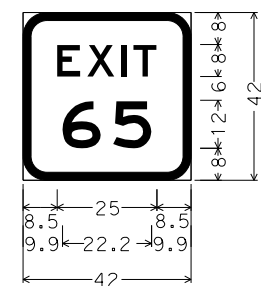


12.0" Radius, 2.0" Border, White on Green;
 "Moreno Beach Dr", E Mod;

G70-4 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT", E; "65", E;

G85-11 (CA);
 12.0" Radius, 2.0" Border, White on Green;
 Arrow Custom - 25.0" 45';

OS5-1
 G85-11 (CA)
 Sta 1027+62 "S" LINE - FWBT
 TRUSS SINGLE POST



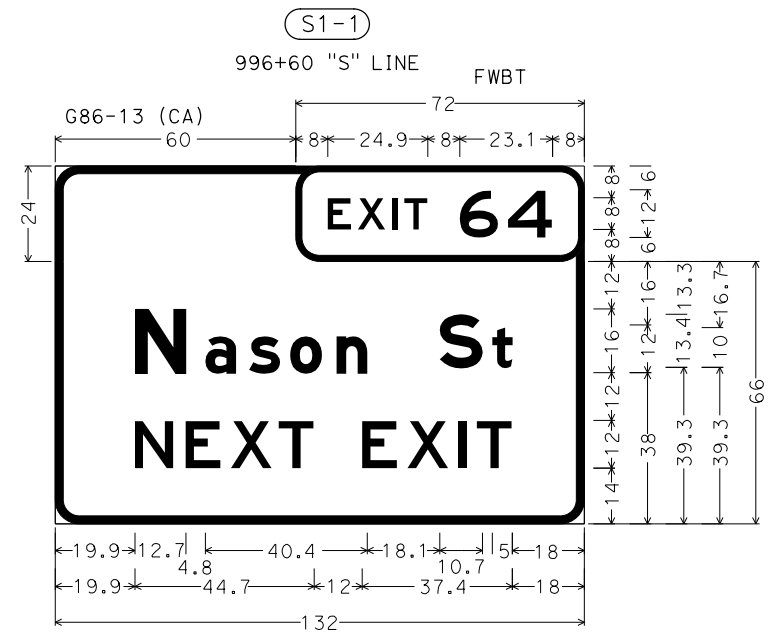
G70-4 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT", E;
 "65", E;

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	ERIK ADELMAN	REVISOR	DATE
Caltrans		DESIGNER	DALE WILSON	DESIGNED BY	
		CHECKED BY		REVISIONS	

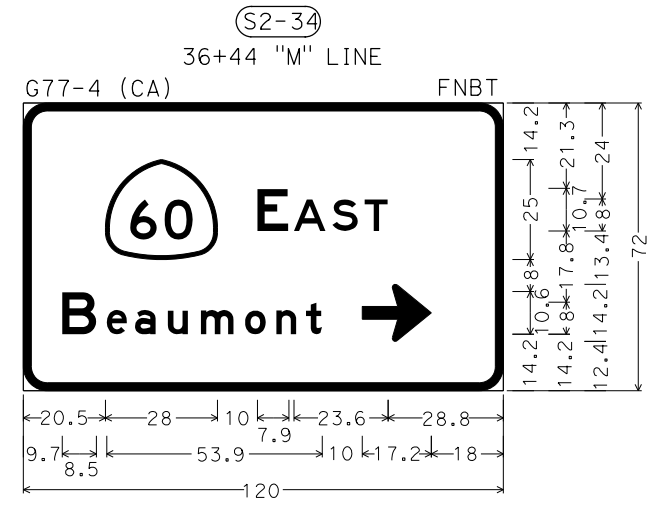
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: ERIK ADELMAN
 CHECKED BY: DALE WILSON
 REVISED BY: DATE REVISIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	199	358

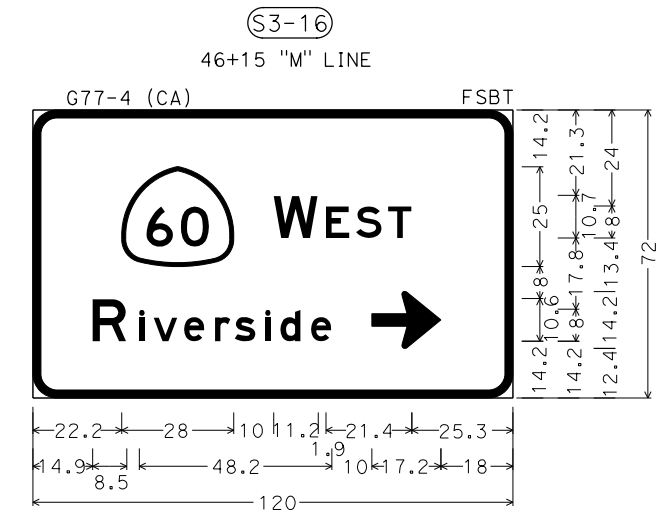
Daniel Kach
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



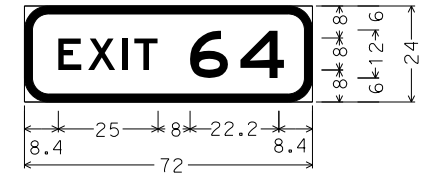
G70-2 (CA);
 6.0" Radius, 1.5" Border, White on Green;
 "EXIT 64", E;
 G86-13 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "Nason", E Mod; "St", E Mod;
 "NEXT EXIT", E;



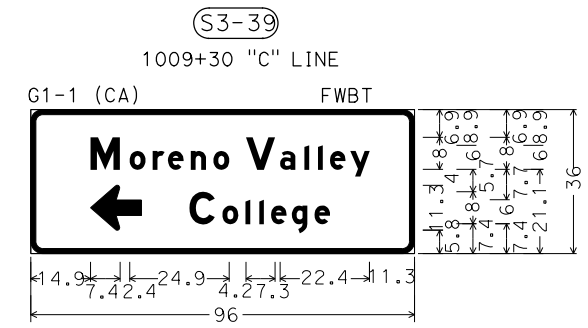
G77-4 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EAST", E; "Beaumont", E;
 Standard Arrow Custom 17.3" X 14.3" 0';



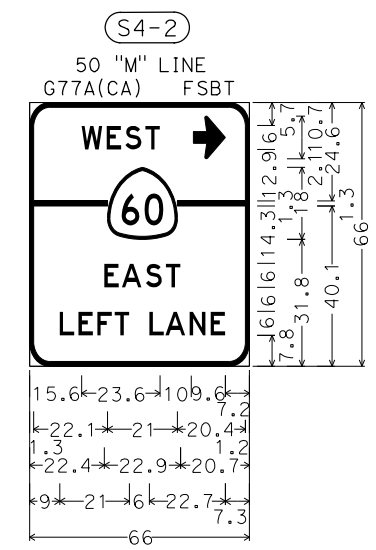
G77-4 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "WEST", E; "Riverside", E;
 Standard Arrow Custom 17.3" X 14.3" 0';



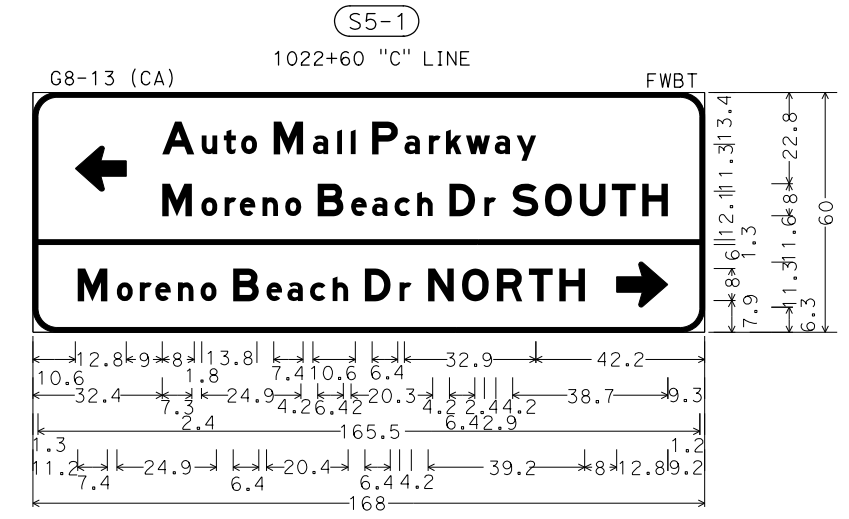
G70-2 (CA);
 6.0" Radius, 2.0" Border, White on Green;
 "EXIT 64", E;



G1-1 (CA);
 3.0" Radius, 1.3" Border, White on Green;
 "Moreno Valley", E Mod;
 Standard Arrow Custom 12.8" X 11.3" 180';
 "College", E Mod;



G77A (CA);
 6.0" Radius, 1.3" Border, White on Green;
 "WEST", E;
 Standard Arrow Custom 9.6" X 10.7" 0';
 "EAST", E;
 "LEFT LANE", E;



G8-13 (CA);
 6.0" Radius, 1.3" Border, White on Green;
 Standard Arrow Custom 12.8" X 11.3" 180';
 "AutoMallParkway", E Mod; "MorenoBeachDrSOUTH", E Mod;
 "MorenoBeachDrNORTH", E Mod;
 Standard Arrow Custom 12.8" X 11.3" 0';

SIGN DETAILS
 NO SCALE **SD-3**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	200	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	INSTALL ROADSIDE SIGN				RELOCATE ROADSIDE SIGN		REMOVE ROADSIDE SIGN			POST SLEEVE	TREATED WOOD WASTE	REMARKS
		FEDERAL	CALIFORNIA		4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	METAL POST	WOOD POST	BRIDGE MOUNTED SIGN	METAL POST	SSBM			
S-1	S1-1		G70-2 (CA)	72 x 24	25											
	S1-2	W4-1	G86-13(CA)	132 x 90					1						1	SEE C-31 FOR DETAILS
	S1-3		G5 (CA)	48 x 48			14									
	S1-4	M3-4	G28-2(CA)	29 x 25	12				1							
	S1-5		W74(CA)	24 x 12												
	S1-6	W3-3		48 x 48			14			1						
	S1-7		R61-15(R+)(CA)	48 x 30	13				1							
	S1-8		R61-15(R+)(CA)	48 x 30	13				1							
S-2	S2-1		R61-15(R+)(CA)	48 x 30			13		1							
	S2-2	R5-1		48 x 48			14		1							
		R5-1a		42 x 30												
		R5-1a											1		140	
	S2-3	R5-10c		24 x 12	11				1							140
		R5-10c											1		140	
	S2-4	R6-1(L+)		54 x 18	5				1							
		R6-1(R+)		54 x 18												
		R6-1(L+)														
	S2-5	R6-1(R+)														
		R5-1		48 x 48			14		1							
		R5-1a		42 x 30												
		R5-1a											1		140	
	S2-6	R9-3		18 x 18								1				
R9-3bP			18 x 12								1					
S2-7		R10-3e (CA)	9 x 15							1					SEE ELECTRICAL SHEETS	
S2-8		SNS	VAR x 12									1			SEE ELECTRICAL SHEETS	
S2-9	R4-4		36 x 30	12				1								
S2-10	W12-2a															
S2-11		R81(CA)	24 x 18	12				1								
S2-12		R73-2(CA)	36 x 36							1						
S2-12		R81(CA)	24 x 18	12				1			1					
SHEET TOTAL									12	1	5	1		7	1	900

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

CONSULTANT SUPERVISOR	ERIK ADELMAN
FUNCTIONAL SUPERVISOR	MARIA WILSON
DESIGNED BY	REVISOR
CHECKED BY	DATE
NICOLE DEPUY	

SIGN QUANTITIES
SQ-1

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 10:53

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 ERIK ADELMAN MARIA WILSON
 REVISED BY DATE REVISOR
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	201	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	INSTALL ROADSIDE SIGN					RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN				POST SLEEVE	TREATED WOOD WASTE	REMARKS		
		FEDERAL	CALIFORNIA						IN x IN	LF	LF	LF	LF	ONE POST	TWO POST	SSBM	MAST-ARM HANGER METHOD	OBJECT MARKER				METAL POST	WOOD POST
S-2	S2-13		R61-15(Rt) (CA)	48 x 30		13				1													
		R9-3		18 x 18																			
	S2-14		R9-3bP	18 x 12																			
			R10-3e (CA)	9 x 15																			
		R6-1(Rt)		54 x 18	5					1													
		R6-1(Lt)		54 x 18																			
		R6-1(Lt)													1							60	
	S2-16		R3-18	30 x 30																			
	S2-17		TYPE K-1	12 x 24																			
	S2-18		TYPE K-1	12 x 24																			
	S2-19		SNS	VAR x 12																			
		R9-3		18 x 18																			
		R9-3bP		18 x 12																			
	S2-21		R10-3e (CA)	9 x 15																			
			G92(CA)																				
	S2-22		M3-2																				
			G28-2(CA)																				
			M6-2a(Rt)																				
	S2-23		G92(CA)	48 x 30																			
			M3-2	24 x 12																			
		G28-2(CA)	29 x 25			12				1													
		M6-2a(Rt)	21 x 15																				
S2-24		R61-15(Rt) (CA)	48 x 30																				
S2-25		SNS	VAR x 12																				
S2-26		R5-10a	30 x 36	12						1													
S2-27		R81(CA)	24 x 18	12						1													
S2-28		R9-3																					
S2-29		R3-7	30 x 36	11						1													
SHEET TOTAL									6		8	2	2		2			1		200			

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SIGN QUANTITIES

SQ-2

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 10:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	202	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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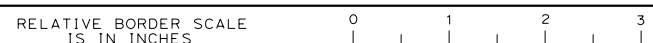
ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	POST (N)				INSTALL ROADSIDE SIGN					RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN					POST SLEEVE	TREATED WOOD WASTE	REMARKS				
		FEDERAL	CALIFORNIA		4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	METAL POST	WOOD POST	BRIDGE MOUNTED SIGN	METAL POST	SSBM	POST SLEEVE	LBS											
S-2	S2-30		G92(CA)	48 x 30																						
		M3-2	G28-2(CA)	24 x 12																						
		M6-2a	G92(CA)	29 x 25																						
	S2-31		G92(CA)	21 x 15																						
		M3-2	G28-2(CA)																							
	S2-32				18 x 18																					
		R9-3 R9-3bP			18 x 12																					
	S-2	S2-33		R10-3e (CA)	9 x 15																					
				G77-4 (CA)																						
		S2-34		G77-4 (CA)	120 x 72																					
		S2-35	R3-7																							
		S2-36		W73A (CA)																						
		S2-37		R18B (CA)																						
		S2-38	W12-2a		70 x 36																					
		S2-39		R61-7																						
		S2-40		R61-7																						
		S2-41		R61-7																						
		S2-42		R61-7																						
		S2-43	R3-2																							
	S2-44	W3-3		R20D-4(30) (CA)																						
S2-45	W3-3																									
S2-46	R4-7c			12 x 18																						
S2-46			TYPE K-2	24 x 12																						
S-3	S3-1		G92(CA)	48 x 30																						
		M3-4	G28-2(CA)	24 x 12																						
		M6-2a(Rt)		29 x 25																						
	S3-2		R86-4(CA)	36 x 66																						
	S3-3	R5-10a		30 x 36	12																					
	S3-4		R89-1(CA)	24 x 10																						
	S3-5	R1-5		36 x 36	12																					
	S3-6		R86-4(CA)	36 x 66																						
S3-7		R89-1(CA)	24 x 10																							
S3-8		G92(CA)	48 x 30																							
S3-8	M3-4			24 x 12																						
		SHEET TOTAL							7	1	5															

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H

CALCULATED-DESIGNED BY	CHECKED BY	REVISOR	DATE
ERIK ADELMAN	MARIA WILSON		
CONSULTANT FUNCTIONAL SUPERVISOR		REVISOR	
NICOLE DEPUY			



SIGN QUANTITIES

SQ-3

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 10:53

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 ERIK ADELMAN
 MARIA WILSON
 REVISOR BY
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	203	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	INSTALL ROADSIDE SIGN				RELOCATE ROADSIDE SIGN		REMOVE ROADSIDE SIGN				POST SLEEVE	TREATED WOOD WASTE	REMARKS		
		FEDERAL	CALIFORNIA		4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	METAL POST	WOOD POST	BRIDGE MOUNTED SIGN	METAL POST	SSBM						
				IN x IN	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	LBS	
S-3	S3-8		G28-2(CA)	29 x 25															
		M6-2a		21 x 15															
	S3-9		W11-2	30 x 30	12				1										
		W16-9P		24 x 12															
	S3-10		R3-7	30 x 30					1										
		W1-7		30 x 18															
	S3-11		OM1-3	18 x 18	12				1										
		R14-1		24 x 18															
		M6-1R(L+)		24 x 18															
	S3-12		R61-9(CA)	36 x 30							1								
		TYPE K-1		12 x 24								1							
	S3-13		R3-18	30 x 30															
	S3-14		R3-4	24 x 24								1							
	S3-15		SNS	VAR x 12								1						SEE ELECTRICAL SHEETS	
		R3-4		24 x 24								1							
	S3-16		G77-4 (CA)	120 x 72				32		1									
		R18B (CA)		36 x 36						1									
	S3-17		D11-1	24 x 18	12														
	S3-18		G78-1(60) (CA)												2			280	
	S3-19		R3-7(CA)												1			140	
	S3-20		W5-2												1			140	
		W13-1P																	
	S3-21		W3-3												1			140	
	S3-22		W3-3												1			140	
	S3-23		G92(CA)																
	G28-2(CA)																		
	M3-4													1			140		
	M6-2a																		
	M6-1																		
S3-24		R9-3	18 x 18								1								
	R9-3b		12 x 18								1								
S3-25		TYPE K-1	12 x 24																
SHEET TOTAL									4	1	6						7		980

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SIGN QUANTITIES
SQ-4

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 10:53

ERIK ADELMAN
 MARIA WILSON

REVISOR
 DATE

CONSULTANT SUPERVISOR
 NICOLE DEPUY

DESIGN BRANCH H

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	204	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	INSTALL ROADSIDE SIGN					RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN				POST SLEEVE	TREATED WOOD WASTE	REMARKS			
		FEDERAL	CALIFORNIA						IN x IN	LF	LF	LF	LF	ONE POST	TWO POST	SSBM	MAST-ARM HANGER METHOD	OBJECT MARKER				METAL POST	WOOD POST	BRIDGE MOUNTED SIGN
									EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LBS			
S-3	S3-26		R4-7	24 x 30																				
			TYPE K-2	24 x 12																				
	S3-27	R9-3	R73-3(CA)																					
	S3-28		R10-3e (CA)	9 x 15																		SEE ELECTRICAL SHEETS		
	S3-29		R73-6 (CA)																					
	S3-30		W1-7																					
			R14-1																					
			M6-1(Lt)																					
	S3-31		W4-2	36 x 36	12					1														
	S3-32		R9-3																					
	S3-33		R9-3																					
	S3-34		R9-3																					
	S3-34		R9-3																					
	S3-34		W9-1	36 x 36	12					1														
	S3-35		R6-1 (Lt)	54 x 18																				
			R6-1 (Rt)	54 x 18	5					1														
	S3-36		G8-13 (CA)																					
			D9-2																					
			M6-1(Lt)																					
	S3-37		R61-9(CA)	36 x 30	12					1														
S3-38		R5-10c	24 x 12	11					1															
S3-39		G1-1 (CA)	36 x 84																					
		D9-2	30 x 36																					
		M6-1(Lt)	21 x 15																					
S3-40		R5-10a																						
S3-41		R9-3																						
		D9-3																						
		RS-040																						
S3-45		RS-054																						
		RS-061																						
		G33-1 (CA)																						
S3-46		R61-19 (CA)																						
SHEET TOTAL									5	1	1			1		6		6			775			

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SIGN QUANTITIES
SQ-5

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	205	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE IN x IN	POST (N)				INSTALL ROADSIDE SIGN					RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN				POST SLEEVE	TREATED WOOD WASTE LBS	REMARKS		
		FEDERAL	CALIFORNIA		4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	ONE POST EA	TWO POST EA	SSBM EA	MAST-ARM HANGER METHOD EA	OBJECT MARKER EA	METAL POST EA	WOOD POST EA	BRIDGE MOUNTED SIGN EA	METAL POST EA	SSBM EA					
S-3	S3-48	W1-1															1				140		
		W13-1P															1				140		
	S3-49		G84-2(CA)																				
	S3-50		R89-1(CA)	24 x 10								1										SEE ELECTRICAL SHEETS	
	S3-51		R89-1(CA)	24 x 10								1										SEE ELECTRICAL SHEETS	
	S3-53	W12-2a		70 x 36																			
	S3-54	W4-3															1					140	
	S3-55			G92(CA)	48 x 30																		
			M3-4		24 x 12					1													
				G28-2(CA)	29 x 25		12																
	S3-56	W3-3		36 x 36	12				1														
	S3-57	R4-4		36 x 30	12				1														
	S3-59	R5-1		36 x 36						1													
		R5-1a		42 x 30				14															
	S3-60	R5-1		36 x 36						1													
		R5-1a		42 x 30				14															
	S3-61	D9-3		24 x 24																			
		RS-040		18 x 18																			
		RS-054		18 x 18	12					1													
		RS-061		18 x 18																			
		G33-1(CA)	21 x 15																				
S3-62	R3-4																						
S3-63	R4-4		36 x 30																				
S3-64		SNS	VAR x 12																				
S3-65		R10-3e (CA)	9 x 15																			SEE ELECTRICAL SHEETS	
		G92(CA)	48 x 30																			SEE ELECTRICAL SHEETS	
S3-67	M3-4		24 x 12																				
		G28-2(CA)	29 x 25						1														
	M6-2a		21 x 15																				
SHEET TOTAL									7		4	1				3			1		420		

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	206	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE		PANEL SIZE	4" x 4" POST (N)	4" x 6" POST (N)	6" x 6" POST (N)	6" x 8" POST (N)	INSTALL ROADSIDE SIGN					RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN				POST SLEEVE	TREATED WOOD WASTE	REMARKS			
		FEDERAL	CALIFORNIA						ONE POST	TWO POST	SSBM	MAST-ARM HANGER METHOD	OBJECT MARKER	METAL POST	WOOD POST	BRIDGE MOUNTED SIGN	METAL POST	SSBM				LBS		
S-3	S3-68	R5-10a		30 x 36	12					EA	EA	EA	EA	EA										
	S3-69	W3-3													EA							140		
	S3-70	R5-1																					140	
		R5-1a																					140	
	S3-71	R5-1																				140		
	S3-72	W4-3		36 x 36	12					EA												1		
	S3-73		R81(CA)	24 x 18	12					EA													SEE C-31 FOR DETAILS	
	S3-74	W13-2																					140	
	S3-75	R3-18		30 x 30																				
	S3-76		R10-3e (CA)	9 x 15																				SEE ELECTRICAL SHEETS
	S3-77		R61-9(CA)	36 x 30	12					EA														
	S3-78		R61-9(CA)	36 x 30	12					EA														
	S3-79		W4-14(CA)	48 x 48				14		EA														
	S3-80	W1-8R		24 x 30						EA														
	S3-81	W1-8R		24 x 30						EA														
	S3-82	W1-8R		24 x 30						EA														
	S3-83	W1-8R		24 x 30						EA														
	S3-84	W3-7		36 x 36																				
	S3-85	W3-7		36 x 36																				
	S3-86	W3-8		36 x 36																				
S3-87	W3-8		36 x 36																					
S3-88	W3-8		36 x 36																					
S-4	S4-1		G77-4(CA)	48 x 54																			140	
	S4-2		G77A(CA)	66 x 66				32																
	S4-3	W13-1P																					140	
	S4-4		R36 (Mod) "SPECIAL"																					
S-5	S5-1		G8-13 (CA)	168 x 60				31																
	S5-2		G84-2(CA)	54 x 48																				
	S5-3		W4-18(CA)	48 x 48	12																		1	
	S5-4	W3-3		48 x 48	12																			
S-6	S6-1	R4-7	OM2-1V																					
	S6-2	R4-7		24 x 30																				
	S6-3	R6-1R	TYPE K-2	24 x 12																				
	S6-4	R6-1R		36 x 12																				
	S6-5	W3-3																						
	S6-6	W3-3		36 x 36																				
	S6-7	R3-4																						
	S6-8		R73-3(CA)	36 x 36																				
SHEET TOTAL									16	2	9		1		1	6		3	1	2	840			
SHEET SQ-1 TOTAL									12	1	5	1				7	1	3		1	900			
SHEET SQ-2 TOTAL									6		8	2				2			1		200			
SHEET SQ-3 TOTAL									7	1	5		1			13					1820			
SHEET SQ-4 TOTAL									4	1	6		2			7					980			
SHEET SQ-5 TOTAL									5	1	1		1			6			6		775			
SHEET SQ-6 TOTAL									7		4	1				3			1		420			
SUBTOTAL									57	6	38	4	7		1	44	1	3	9	3	5935			
GRAND TOTAL									57	6	38	4	7		1			57		3	5935			

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SIGN QUANTITIES SQ-7

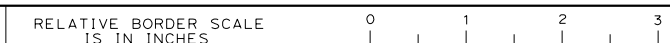
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT SUPERVISOR
 NICOLE DEPUY

CALCULATED-DESIGNED BY
 CHECKED BY

REVISIONS
 ERIC ADELMAN
 MARIA WILSON

USERNAME => p003256D
 DGN FILE => 0812000059oc007.dgn



LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	207	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

ROADSIDE SIGN PANEL QUANTITIES

SHEET No.	SIGN No.	SIGN CODE (FEDERAL)	SIGN CODE (CALIFORNIA)	SIGN MESSAGE / DESCRIPTION	PANEL SIZE	FRAMED (.063")	FRAMED (.080")	UNFRAMED (.063")	UNFRAMED (.080")	LAMINATED TYPE B (1")	BACKGROUND SHEETING COLOR	BACKGROUND ASTM TYPE	LEGEND SHEETING COLOR	LEGEND ASTM TYPE	PROTECTIVE OVERLAY	REMARKS	
					L X D	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA							
S-1	S1-1		G70-2 (CA)	EXIT 64	72 x 24	12					GREEN	XI	WHITE	XI	X		
			G86-13(CA)	NASON ST NEXT RIGHT	132 x 90		83				GREEN	XI	WHITE	XI	X		
	S1-2	W4-1		ENTERING ROADWAY MERGE (WARNING SIGN)	48 x 48				16		FL YLW	XI	BLACK		X		
	S1-4	M3-4	G28-2(CA)	ROUTE MARKER	29 x 25					6	GREEN	XI	WHITE	XI	X		
	S1-6	W3-3		WEST	24 x 12			2			GREEN	XI	WHITE		X		
	S1-7		R61-15(R+)(CA)	SIGNAL AHEAD SYMBOL	48 x 48				16		WHITE	XI	WHITE		X		
	S1-8		R61-15(R+)(CA)	INTERSECTION LANE CONTROL	48 x 30				10		WHITE	XI	WHITE		X		
	S2-1		R61-15(R+)(CA)	INTERSECTION LANE CONTROL	48 x 30				10		WHITE	XI	WHITE		X		
S-2	S2-2	R5-1		DO NOT ENTER	48 x 48				16		RED	XI	WHITE		X		
		R5-1a		WRONG WAY	42 x 30			9			RED	XI	WHITE	XI	X		
	S2-3	R5-10c		PEDESTRIANS PROHIBITED	24 x 12			2			WHITE	XI	WHITE		X		
	S2-4		R6-1(L+)		ONE WAY	54 x 18				7		WHITE	XI	BLACK		X	
			R6-1(R+)		ONE WAY	54 x 18				7		WHITE	XI	BLACK		X	
	S2-5	R5-1		DO NOT ENTER	48 x 48					16		RED	XI	BLACK		X	
		R5-1a		WRONG WAY	42 x 30			9			RED	XI	BLACK	XI	X		
	S2-6	R9-3		NO PEDESTRIANS SYMBOL	18 x 18			3			WHITE	XI	WHITE		X		
		R9-3bP		NO PEDESTRIAN CROSSING	18 x 12			2			WHITE	XI	WHITE		X		
	S2-7		R10-3e (CA)	CROSS ONLY ON WALK SIGNAL	9 x 15			1			WHITE	XI	WHITE		X		
	S2-8		SNS	STREET NAME SIGN	VAR x 12						BLUE	XI	WHITE	XI	X	SEE ELECTRICAL PLANS	
	S2-10	R4-4		BEGIN RIGHT TURN LANE / YIELD	36 x 30			8			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS	
S2-11		R81(CA)	BIKE LANE	24 x 18			3			GREEN	XI	WHITE		X			
S2-12		R73-2(CA)	LEFT TURN / U TURN (ARROW DIRECTIONAL SIGN)	36 x 36			9			WHITE	XI	BLACK		X			
S2-13		R81(CA)	BIKE LANE	24 x 18			3			WHITE	XI	BLACK		X			
S2-14		R61-15(R+)(CA)	INTERSECTION LANE CONTROL	48 x 30				10		WHITE	XI	BLACK		X			
	R9-3		NO PEDESTRIAN	18 x 18						WHITE	XI	BLACK		X			
	R9-3bP		NO PEDESTRIAN CROSSING	18 x 12						WHITE	XI	WHITE		X			
		R10-3e (CA)	CROSS ONLY ON WALK SIGNAL	9 x 15			1			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS		
S2-15	R6-1(R+)		ONE WAY	54 x 18				7		WHITE	XI	BLACK		X			
	R6-1(L+)		ONE WAY	54 x 18				7		WHITE	XI	BLACK		X			
S2-16	R3-18		NO U-TURN/ NO LEFT TURN	30 x 30			7			WHITE	XI	WHITE		X			
S2-17		TYPE K-1	OBJECT MARKER	12 x 24			2			WHITE	XI	BLACK		X			
S2-18		TYPE K-1	OBJECT MARKER	12 x 24			2			WHITE	XI	BLACK		X			
S2-19		SNS	STREET NAME SIGN	VAR x 12						BLUE	XI	BLACK	XI	X	SEE ELECTRICAL PLANS		
S2-20	R9-3		NO PEDESTRIANS SYMBOL	18 x 18			3			WHITE	XI	BLACK		X			
	R9-3bP		NO PEDESTRIAN CROSSING	18 x 12			2			WHITE	XI	BLACK		X			
SHEET TOTAL						12	83	74	132								

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN, MARIA WILSON
 CHECKED BY: ERIC ADELMAN, MARIA WILSON
 REVISIONS: REVISOR, DATE, REVISION
 REVISOR, DATE, REVISION

SIGN QUANTITIES

SQ-8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	208	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

ROADSIDE SIGN PANEL QUANTITIES

SHEET No.	SIGN No.	SIGN CODE (FEDERAL)	SIGN CODE (CALIFORNIA)	SIGN MESSAGE / DESCRIPTION	PANEL SIZE	FRAMED (.063")	FRAMED (.080")	UNFRAMED (.063")	UNFRAMED (.080")	LAMINATED TYPE B (1")	BACKGROUND SHEETING COLOR	BACKGROUND ASTM TYPE	LEGEND SHEETING COLOR	LEGEND ASTM TYPE	PROTECTIVE OVERLAY	REMARKS	
					L X D	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA							
S-2	S2-21		R10-3e (CA)	PEDESTRIAN SIGN	9 x 15			1			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS	
			G92(CA)	FREEWAY ENTRANCE	48 x 30				10		GREEN	XI	WHITE	XI	X		
	S2-23		M3-2		EAST	24 x 12			2			GREEN	XI	WHITE	XI	X	
				G28-2(CA)	ROUTE MARKER	29 x 25			6			GREEN	XI	WHITE	XI	X	
			M6-2a(Rt)		DIRECTIONAL ARROW	21 x 15			3			GREEN	XI	WHITE	XI	X	
	S2-24		R61-15(Rt) (CA)	INTERSECTION LANE CONTROL	48 x 30					10		WHITE	XI	BLACK		X	
	S2-25		SNS	STREET NAME SIGN	VAR x 12							BLUE	XI	WHITE	XI	X	SEE ELECTRICAL PLANS
	S2-26	R5-10a		PEDS BIKES PROHIBITED	30 x 36			8				WHITE	XI	BLACK		X	
	S2-27		R81(CA)	BIKE LANE	24 x 18			3				WHITE	XI	BLACK		X	
	S2-29	R3-7		RIGHT LANE MUST TURN RIGHT	30 x 36			8				WHITE	XI	BLACK		X	
	S2-30			G92(CA)	FREEWAY ENTRANCE	48 x 30				10		GR BL	XI	WHITE	XI	X	
			M3-2		EAST	24 x 12			2			GREEN	XI	WHITE	XI	X	
				G28-2(CA)	ROUTE MARKER	29 x 25			6			GREEN	XI	WHITE	XI	X	
			M6-2a		DIRECTIONAL ARROW	21 x 15			3			GREEN	XI	WHITE	XI	X	
			R9-3		NO PEDESTRIANS SYMBOL	18 x 18			3				WHITE	XI	BLACK		X
	S2-32			R9-3bP	NO PEDESTRIAN CROSSING	18 x 12			2			WHITE	XI	BLACK		X	
				R10-3e (CA)	CROSS ONLY ON WALK SIGNAL	9 x 15			1			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS
	S2-34		G77-4 (CA)	BEAUMONT ROUTE 60	120 x 72		60					GREEN	XI	WHITE	XI	X	
	S2-38	W12-2a		17'7"	70 x 36	18						FL YLW	XI	BLACK		X	
	S2-46	R4-7c			KEEP ARROW RIGHT	12 x 18			2			WHITE	XI	BLACK		X	
S2-46			TYPE K-2	OBJECT MARKER	24 x 12			2			WHITE	XI	FL YLW		X		
S-3	S3-1		G92(CA)	FREEWAY ENTRANCE	48 x 30				10		GREEN	XI	WHITE	XI	X		
			M3-4		WEST	24 x 12			2			GREEN	XI	WHITE	XI	X	
				G28-2(CA)	ROUTE MARKER	29 x 25			6			GREEN	XI	WHITE	XI	X	
		M6-2a(Rt)		DIRECTIONAL ARROW	21 x 15			3			WH BL GR	XI	WH BK	XI	X		
	S3-2		R86-4(CA)	LEFT LANE CARPOOLS ONLY	36 x 66			17				WHITE	XI	BLACK		X	
	S3-3	R5-10a		PEDS BIKES PROHIBITED	30 x 36			8				WHITE	XI	BLACK		X	
	S3-4		R89-1(CA)	1 CAR PER GREEN EACH LANE	24 x 10			2				WHITE	XI	BLACK		X	
	S3-5	R1-5		YIELD TO PEDESTRIANS	36 x 36			9				WHITE	XI	BLACK		X	
S3-6		R86-4(CA)	LEFT LANE CARPOOLS ONLY	36 x 66			17				WHITE	XI	BLACK		X		
S3-7		R89-1(CA)	1 CAR PER GREEN EACH LANE	24 x 10			2				WHITE	XI	BLACK		X		
SHEET TOTAL						18	60	118	40								

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN, MARIA WILSON
 CHECKED BY: ERIK ADELMAN, MARIA WILSON
 REVISED BY: ERIK ADELMAN, MARIA WILSON
 DATE REVISED: ERIK ADELMAN, MARIA WILSON

SIGN QUANTITIES
SQ-9

LAST REVISION: 00-00-00 DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	209	358

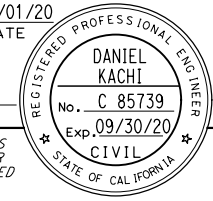
Daniel Kachi 07/01/20
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



ROADSIDE SIGN PANEL QUANTITIES

SHEET No.	SIGN No.	SIGN CODE (FEDERAL)	SIGN CODE (CALIFORNIA)	SIGN MESSAGE / DESCRIPTION	PANEL SIZE L X D	FRAMED (.063") PANEL AREA	FRAMED (.080") PANEL AREA	UNFRAMED (.063") PANEL AREA	UNFRAMED (.080") PANEL AREA	LAMINATED TYPE B (1") PANEL AREA	BACKGROUND SHEETING COLOR	BACKGROUND ASTM TYPE	LEGEND SHEETING COLOR	LEGEND ASTM TYPE	PROTECTIVE OVERLAY	REMARKS	
					INCHES	SQFT	SQFT	SQFT	SQFT	SQFT							
S-3	S3-8	M3-4	G92(CA)	FREEWAY ENTRANCE WEST	48 x 30					10	GREEN	XI	WHITE	XI	X		
												GREEN	XI	WHITE	XI	X	
		G28-2(CA)	ROUTE MARKER	29 x 25			6					GREEN	XI	WHITE	XI	X	
	S3-9	M6-2a			DIRECTIONAL ARROW	21 x 15						WH BL GR	XI	WH BK	XI	X	
		W11-2			PEDESTRIAN CROSSING SYMBOL	30 x 30						FL YLW	XI	BLACK		X	
	S3-10	W16-9P			AHEAD	24 x 12						FL YLW	XI	BLACK		X	
		R3-7			RIGHT LANE MUST TURN RIGHT	30 x 30						WHITE	XI	BLACK		X	
	S3-11	W1-7			DOUBLE HEADED ARROW	30 x 18						WHITE	XI	BLACK		X	
		OM1-3			YELLOW SHIELD	18 x 18						FL YLW	XI	-	XI	X	
		R14-1			TRUCK ROUTE	24 x 18						WHITE	XI	BLACK	XI	X	
		M6-1(L+)			LEFT ARROW	24 x 18						WH BL GR	XI	WH BK	XI	X	
	S3-12		R61-9(CA)	LANE ASSIGNMENTS	36 x 30							WHITE	XI	BLACK		X	
	S3-13			TYPE K-1	OBJECT MARKER	12 x 24						WHITE	XI	FL YLW		X	
	S3-13	R3-18			NO U-TURN/ NO LEFT TURN	30 x 30						WHITE	XI	BLACK		X	
	S3-14	R3-4			NO U-TURN	24 x 24						WHITE	XI	BLACK		X	
	S3-15		SNS		STREET NAME SIGN	VAR x 12						BLUE	XI	WHITE	XI	X	SEE ELECTRICAL PLANS
		R3-4			NO U-TURN	24 x 24				4		WHITE	XI	BLACK		X	
	S3-16		G77-4 (CA)		RIVERSIDE DIRECTIONAL	120 x 72		60				GREEN	XI	WHITE	XI	X	
	S3-17		R18B (CA)		RIGHT LANE FREEWAY ONLY	36 x 36						WHITE	XI	BLACK		X	
		D11-1			BIKE ROUTE	24 x 18				9		GREEN	XI	WHITE	XI	X	
	S3-24	R9-3			NO PEDESTRIANS SYMBOL	18 x 18				3		WHITE	XI	BLACK		X	
		R9-3b			USE CROSSWALK	12 x 18				2		WHITE	XI	BLACK		X	
	S3-25		TYPE K-1		OBJECT MARKER	12 x 24				2		WHITE	XI	FL YLW		X	
	S3-26		R4-7		KEEP RIGHT (AVOID MEDIAN)	24 x 30				5		WHITE	XI	BLACK		X	
	S3-26		TYPE K-2		OBJECT MARKER	24 x 12				2		FL YLW	XI	BLACK		X	
	S3-28		R10-3e (CA)		PEDESTRIAN SIGN	9 x 15				1		WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS
	S3-31	W4-2			RIGHT MERGE SYMBOL	36 x 36				9		FL YLW	XI	BLACK		X	
	S3-34	W9-1			RIGHT LANE ENDS	36 x 36				9		FL YLW	XI	BLACK		X	
	S3-35		R6-1 (L+)		ONE WAY	54 x 18					7	WHITE	XI	BLACK		X	
			R6-1 (R+)		ONE WAY	54 x 18					7	WHITE	XI	BLACK		X	
S3-37		R61-9(CA)		LANE ASSIGNMENTS	36 x 30				8		WHITE	XI	BLACK		X		
S3-38	R5-10c			NO PEDESTRIANS	24 x 12				2		WHITE	XI	BLACK		X		
S3-39		G1-1 (CA)		MORENO VALLEY COLLEGE	36 x 84				21		GREEN	XI	WHITE	XI	X		
	D9-2			HOSPITAL	30 x 36				8		BLUE	XI	WHITE	XI	X		
S3-50		R89-1(CA)		1 CAR PER GREEN EACH LANE	24 x 10				2		WHITE	XI	BLACK		X		
S3-51		R89-1(CA)		1 CAR PER GREEN EACH LANE	24 x 10				2		WHITE	XI	BLACK		X		
S3-53	W12-2a			18'4"	70 x 36	18					FL YLW	XI	BLACK		X		
S3-55		G92(CA)		FREEWAY ENTRANCE	48 x 30					10	GREEN	XI	WHITE	XI	X		
SHEET TOTAL						18	60	153	34								

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

REVISOR: ERIC ADELMAN, MARIA WILSON
CALCULATED/DESIGNED BY: ERIC ADELMAN, MARIA WILSON
CHECKED BY: ERIC ADELMAN, MARIA WILSON
CONSULTANT SUPERVISOR: NICOLE DEPUY

SIGN QUANTITIES
SQ-10

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 10:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	210	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DANIEL KACHI
 No. C 85739
 Exp. 09/30/20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

ROADSIDE SIGN PANEL QUANTITIES

SHEET No.	SIGN No.	SIGN CODE (FEDERAL)	SIGN CODE (CALIFORNIA)	SIGN MESSAGE / DESCRIPTION	PANEL SIZE	FRAMED (.063")	FRAMED (.080")	UNFRAMED (.063")	UNFRAMED (.080")	LAMINATED TYPE B (1")	BACKGROUND SHEETING COLOR	BACKGROUND ASTM TYPE	LEGEND SHEETING COLOR	LEGEND ASTM TYPE	PROTECTIVE OVERLAY	REMARKS	
					L X D	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA	PANEL AREA							
					INCHES	SQFT	SQFT	SQFT	SQFT	SQFT							
S-3	S3-55	M3-4		WEST	24 x 12			2			GREEN	XI	WHITE	XI	X		
			G28-2(CA)	ROUTE MARKER	29 x 25			6			BLUE	XI	WHITE	XI	X		
		M6-2a(Rt)		DIRECTIONAL ARROW	21 x 15			3			GREEN	XI	WHITE	XI	X		
	S3-56	W3-3		SIGNAL AHEAD SYMBOL	36 x 36			9			FL YLW	XI	BLACK		X		
	S3-57	R4-4		BEGIN RIGHT TURN LANE / YIELD	36 x 30			8			WHITE	XI	BLACK		X		
	S3-59	R5-1		DO NOT ENTER	36 x 36			9			RED	XI	WHITE		X		
		R5-1a		WRONG WAY	42 x 30			9			RED	XI	WHITE	XI	X		
		R5-1		DO NOT ENTER	36 x 36			9			RED	XI	WHITE		X		
	S3-60	R5-1a		WRONG WAY	42 x 30			9			RED	XI	WHITE	XI	X		
		D9-3		TENT SYMBOL	24 x 24			4			BLUE	XI	WHITE	XI	X		
		RS-040		RECREATIONAL TRAILER SITE	18 x 18			3			BROWN	XI	WHITE	XI	X		
	S3-61	RS-054		RECREATIONAL RAMP	18 x 18			3			BROWN	XI	WHITE	XI	X		
		RS-061		RECREATIONAL SWIMMING	18 x 18			3			BROWN	XI	WHITE	XI	X		
		G33-1(CA)		DIRECTIONAL ARROW	21 x 15			3			BROWN	XI	WHITE	XI	X		
	S3-63	R4-4		BEGIN RIGHT TURN LANE / YIELD	36 x 30			8			WHITE	XI	BLACK		X		
	S3-64	SNS		STREET SIGN NAME	VAR x 12						BLUE	XI	WHITE	XI	X	SEE ELECTRICAL PLANS	
	S3-65	R10-3e (CA)		PEDESTRIAN SIGN	9 x 15			1			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS	
	S-3	S3-67	G92(CA)		FREEWAY ENTRANCE	48 x 30				10		GREEN	XI	WHITE	XI	X	
			M3-4		WEST	24 x 12			2			GREEN	XI	WHITE	XI	X	
			G28-2(CA)		ROUTE MARKER	29 x 25			6			GREEN	XI	WHITE	XI	X	
		S3-68	M6-2a		DIRECTIONAL ARROW	21 x 15			3			GREEN	XI	WHITE	XI	X	
		S3-72	R5-10a		PEDS BIKES PROHIBITED	30 x 36			8			WHITE	XI	BLACK		X	
		S3-73	W4-3		ADDED LANE	36 x 36			9			FL YLW	XI	BLACK		X	
		S3-77	R81(CA)		BIKE LANE	24 x 18			3			WHITE	XI	BLACK		X	
		S3-75	R3-18		NO LEFT TURN/ NO LEFT TURN	30 x 30			7			WHITE	XI	BLACK		X	
		S3-76	R10-3e (CA)		PEDESTRIAN SIGN	9 x 15			1			WHITE	XI	BLACK		X	SEE ELECTRICAL PLANS
		S3-77	R61-9(CA)		Intersection Lane Control	36 x 30			8			WHITE	XI	BLACK		X	
		S3-78	R61-9(CA)		Intersection Lane Control	36 x 30			8			WHITE	XI	BLACK		X	
		S3-79	W4-14(CA)		COMBINATION 180**°	48 x 48				16		FL YLW	XI	BLACK		X	
		S3-80	W1-8R		RIGHT CHEVRON	24 x 30			5			FL YLW	XI	BLACK		X	
S3-81		W1-8R		RIGHT CHEVRON	24 x 30			5			FL YLW	XI	BLACK		X		
S3-82		W1-8R		RIGHT CHEVRON	24 x 30			5			FL YLW	XI	BLACK		X		
S3-83		W1-8R		RIGHT CHEVRON	24 x 30			5			FL YLW	XI	BLACK		X		
S3-84		W3-7		RAMP METER AHEAD	36 x 36			9			FL YLW	XI	BLACK		X		
S3-85		W3-7		RAMP METER AHEAD	36 x 36			9			FL YLW	XI	BLACK		X		
S3-86	W3-8		RAMP METERED WHEN FLASHING	36 x 36			9			FL YLW	XI	BLACK		X			
S3-87	W3-8		RAMP METERED WHEN FLASHING	36 x 36			9			FL YLW	XI	BLACK		X			
S3-88	W3-8		RAMP METERED WHEN FLASHING	36 x 36			9			FL YLW	XI	BLACK		X			
S-4	S4-2	G77A(CA)		WEST AND EAST	66 x 66					31	GREEN	XI	WHITE	XI	X		
S-5	S5-1	G8-13 (CA)		MORENO BEACH DR DIRECTIONAL	168 x 60					70	GREEN	XI	WHITE	XI	X		
	S5-2	G84-2(CA)		EXIT	54 x 48				18		GREEN	XI	WHITE	XI	X		
	S5-3	W4-18(CA)		COMBINATION 270° LOOP/ADVISORY SPEED XX	48 x 48				16		FL YLW	XI	BLACK		X		
	S5-4	W3-3		SIGNAL AHEAD SYMBOL	48 x 48				16		FL YLW	XI	BLACK		X		
S-6	S6-2	R4-7		KEEP RIGHT SYMBOL	24 x 30			5			WHITE	XI	BLACK		X		
	S6-4	R6-1R	TYPE K-2	OBJECT MARKER	24 x 12			2			YELLOW	XI	WHITE	XI	X		
	S6-6	W3-3		ONE WAY	36 x 12			3			BLACK		WHITE	XI	X		
	S6-6	W3-3		SIGNAL AHEAD SYMBOL	36 x 36			9			FL YLW	XI	BLACK		X		
	S6-8	R73-3(CA)		INTERSECTION LANE CONTROL	36 x 36			9			WHITE	XI	BLACK		X		
SHEET TOTAL								237	76	101							
SHEET SQ-8 TOTAL						12	83	74	132								
SHEET SQ-9 TOTAL						18	60	118	40								
SHEET SQ-10 TOTAL						18	60	153	34								
GRAND TOTAL						48	203	582	282	101							

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN BRANCH H
 CONSULTANT SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: ERIK ADELMAN, MARIA WILSON
 CHECKED BY: ERIC ADELMAN, MARIA WILSON
 REVISIONS: REVISIONS BY: DATE REVISIONS BY: DATE REVISIONS BY: DATE

LAST REVISION: 00-00-00 DATE PLOTTED => 28-JUL-2020 TIME PLOTTED => 10:54

SIGN QUANTITIES

SQ-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED-DESIGNED BY CHECKED BY
 ERIK ADELMAN MARIA WILSON
 REVISED BY DATE REVISED
 x x x x x x x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	211	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

OVERHEAD SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN DESIGNATION	DIRECTION	REMOVE BRIDGE MOUNTED SIGN	REOMOVE SIGN STRUCTURE	INSTALL SIGN STRUCTURE (TRUSS)	FURNISH SIGN STRUCTURE (TRUSS)	FURNISH FORMED PANEL SIGN (OVERHEAD)	60" CAST-IN-DRILLED-HOLE PILE (SIGN FOUNDATION)
				EA	EA	LBS	LBS	SQFT	LF
S-2	OS2-1	G83-5 (CA)	FEBT					113	
	OS2-1	G70-2 (CA)	FEBT					12	
	OS2-2	G83-5 (CA)	FEBT	1					
S-3	OS3-1	G83-5 (CA)	FWBT					113	
	OS3-1	G70-2 (CA)	FWBT					12	
	OS3-2	G83-5 (CA)	FWBT	1					
S-5	OS5-1	G85-11 (CA)	FWBT			17,420	17,420	175	23
	OS5-1	G70-4 (CA)	FWBT					13	
	OS5-2	G85-11 (CA)	FWBT		1				
TOTAL				2	1	17,420	17,420	438	23

OVERHEAD SIGN PANEL QUANTITIES

SHEET No.	SIGN No.	SIGN DESIGNATION	DIRECTION	PANEL SIZE L X D	BACKGROUND SHEETING COLOR	BACKGROUND RETROREFLECTIVE ASTM TYPE	LEGEND SHEETING COLOR	LEGEND RETROREFLECTIVE ASTM TYPE	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	PROTECTIVE OVERLAY
				INCHES					SQFT	
S-2	OS2-1	G83-5 (CA)	FEBT	180 x 90	GREEN	XI	WHITE	XI	113	X
	OS2-1	G70-2 (CA)	FEBT	72 x 24	GREEN	XI	WHITE	XI	12	X
S-3	OS3-1	G83-5 (CA)	FWBT	180 x 90	GREEN	XI	WHITE	XI	113	X
	OS3-1	G70-2 (CA)	FWBT	72 x 24	GREEN	XI	WHITE	XI	12	X
S-5	OS5-1	G85-11 (CA)	FWBT	252 x 100	GREEN	XI	WHITE	XI	175	X
	OS5-1	G70-4 (CA)	FWBT	42 x 42	GREEN	XI	WHITE	XI	13	X
TOTAL									438	

SIGN QUANTITIES
SQ-12

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 10:55

REMOVE ASPHALT CONCRETE DIKE

SHEET No.	STATION	LOCATION	REMOVE ASPHALT CONCRETE DIKE
			LF
C-1	"S" 990+28.54 TO "S" 1003+50.00	WB	1,322
C-2	"D" 1006+50.00 TO "M" 40+74.50	WB	284
	"M" 36+06.42 TO "M" 39+83.71	SB	396
	"E" 1009+96.00 TO "E" 1012+50.00	NB	255
C-3	"M" 35+93.07 TO "M" 39+94.23	NB	402
	"S" 1003+50 TO "S" 1006+10.76	WB	261
	"M" 43+41.51 TO "M" 48+13.63	NB	479
	"S" 1009+64.53 TO "S" 1010+66.05	WB	108
	"M" 44+32.02 TO "M" 49+11.53	SB	496
TOTAL			4,003

REMOVE CONCRETE BARRIER

SHEET No.	STATION	LOCATION	REMOVE CONCRETE BARRIER
			LF
C-2	"S" 1008+31.67 TO "S" 1010+78.67	MEDIAN	247
C-3	"S" 1009+27.21 TO "S" 1009+64.53	WB	39
TOTAL			286

REMOVE ASPHALT CONCRETE PAVEMENT

SHEET No.	STATION	REMOVE ASPHALT CONCRETE PAVEMENT
		SQFT
C-1	"S" 990+28.54 TO "S" 1003+50.00	22,828
C-2	"S" 1008+31.67 TO "S" 1010+78.67	3,211
	"M" 35+82.00 TO "M" 40+94.28	64,808
C-3	"S" 1008+31.67 TO "S" 1010+78.67	2,717
	"M" 43+41.51 TO "M" 49+50.00	92,817
C-4	"M" 49+50.00 TO "M" 54+25.00	21,686
C-5	"S" 1016+50.00 TO "S" 1027+61.49	12,151
C-6	"M" 30+10.00 TO "M" 31+40.00	1,433
TOTAL		221,651

REMOVE CONCRETE (MISCELLANEOUS)

SHEET No.	STATION	REMOVE CONCRETE MISCELLANEOUS
		SQFT
C-1	"S" 992+14.02 TO "S" 993+14.61	453
	"S" 996+26.67 TO "S" 997+23.31	571
C-2	"D" 1005+49.50 TO "M" 40+74.50	1,407
	"M" 39+86.00 TO "M" 39+86.00	9
	"E" 1009+75.78 TO "E" 1012+50.00	977
C-3	"S" 1006+43.20 TO "S" 1008+76.79	668
	"S" 1009+64.53 TO "S" 1010+02.02	77
	"S" 1010+87.60 TO "S" 1011+38.82	2,211
	"S" 1011+52.86 TO "S" 1011+94.40	2,191
	"S" 1012+82.83 TO "S" 1014+67.80	3,657
C-5	"S" 1018+82.89 TO "S" 1020+70.25	1,221
C-6	"M" 30+10.00 TO "M" 31+40.00	1,453
TOTAL		14,895

REMOVE CONCRETE CURB, GUTTER AND SIDEWALK

SHEET No.	STATION	LOCATION	REMOVE CONCRETE CURB	REMOVE CONCRETE SIDEWALK	REMOVE CONCRETE (CURB AND GUTTER)
			LF	SQYD	LF
C-2	"M" 39+94.23 TO "E" 1010+12.78	NB		74	56
	"M" 39+83.71 TO "D" 1008+82.74	SB	58		
	"E" 1009+96.00 TO "M" 40+94.28	WB		39	66
C-3	"M" 49+11.53 TO "M" 49+49.05	SB	38		
	"M" 49+31.12 TO "M" 49+50.00	WB	50		
	"M" 48+13.63 TO "M" 48+60.73	NB	65		
C-4	"M" 49+50.00 TO "M" 50+21.18	NB	73		
C-6	"M" 30+10.00 TO "M" 31+40.00	NB/SB	982		
TOTAL			1,266	113	122

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	212	358
Daniel Kachi REGISTERED CIVIL ENGINEER		07/01/20 DATE			
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED-DESIGNED BY CHECKED BY
 ANNA SCHWARZWELLER DANIEL KACHI
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	213	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

REMOVE IRRIGATION FACILITY

SHEET No.	REMOVE IRRIGATION FACILITY
	EA
C-3	1
TOTAL	1

SALVAGE HANDRAILING

SHEET No.	LOCATION	SALVAGE HANDRAILING
		EA
C-2	EB ON-RAMP	1
TOTAL		1

REMOVE POST SLEEVE

SHEET No.	REMOVE POST SLEEVE
	EA
C-3	3
TOTAL	3

REMOVE GUARDRAIL

SHEET No.	STATION	LOCATION	REMOVE GUARDRAIL	SALVAGE GUARDRAIL	TREATED WOOD WASTE
			LF	LF	LB
C-1	"S" 992+14.02 TO "S" 993+14.61	WB	93		760
	"S" 996+26.67 TO "S" 997+23.31	WB	81		673
C-2	"S" 1006+00.00 TO "S" 1010+78.75	EB		479	90
	"D" 1005+49.50 TO "M" 40+74.50	WB		388	90
	"E" 1009+75.78 TO "E" 1012+50.00	WB		277	90
C-3	"M" 43+42.94 TO "M" 44+32.02	SB	89		731
	"S" 1009+64.53 TO "S" 1010+02.02	WB	78		652
	"M" 43+41.51 TO "M" 43+95.29	NB	54		479
C-5	"S" 1018+82.89 TO "S" 1020+70.25	WB	169		1,307
TOTAL			564	1,144	4,871

REMOVE CHAIN LINK FENCE

SHEET No.	STATION	LOCATION	REMOVE CHAIN LINK FENCE
			LF
C-1	"S" 990+31.23 TO "S" 1003+50.00	WB	1,857
C-2	"M" 37+50.50 TO "M" 39+07.56	SB	227
C-3	"M" 49+50.00 TO "S" 1016+50.00	WB	1,066
	"S" 1003+50.00 TO "S" 1009+28.13	WB	584
	"S" 1009+66.36 TO "M" 48+37.67	NB	585
C-4	"M" 49+57.01 TO "M" 49+50.00	NB	93
C-5	"S" 1016+50.00 TO "S" 1029+26.23	WB	1,500
TOTAL			5,912

SUMMARY OF QUANTITIES
Q-2

LAST REVISION DATE PLOTTED => 28-JUL-2020 00-00-00 TIME PLOTTED => 13:25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	214	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

MINOR CONCRETE

SHEET No.	STATION	DIRECTION	MINOR CONCRETE (CURB)		MINOR CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (STAMPED CONCRETE)		MINOR CONCRETE (CURB RAMP)										
			MINOR CONCRETE (TYPE B1-4)	MINOR CONCRETE (TYPE 8A)		MINOR CONCRETE (STAMPED CONCRETE)	MINOR CONCRETE (COBBLESTONE STAMPED CONCRETE)	MINOR CONCRETE (SIDEWALK)	CURB RAMP (TYPE A)	CURB RAMP (Type C (Mod))	CURB RAMP (Type G (Mod))							
												CY	CY	SQFT	SQFT	CY	CY	CY
L-1	"S" 1001+92.15 TO "S" 1002+94.59	WB					1,554											
L-2	"M" 36+06.42 TO "D" 1008+35.00	SB			27													
	"D" 1008+66.00 TO "M" 40+79.47	SB			2													
	"M" 35+93.07 TO "E" 1010+55.34	NB			28													
	"M" 40+79.43 TO "E" 1010+27.32	NB			4													
	"M" 35+91.75 TO "M" 39+50.00	SB							30									
	"M" 35+81.50 TO "M" 39+82.04	NB							32									
	"M" 39+50.00 TO "M" 40+12.97	SB									3							
	"M" 39+82.04 TO "M" 40+29.52	NB									2							
	"D" 1008+68.70 TO "M" 40+79.47	SB									3							
	"M" 40+79.43 TO "E" 1010+26.32	NB									5							
L-3	"M" 35+82.00 TO "M" 39+95.00	MEDIAN				1,131												
	"M" 41+20.00 TO "M" 42+09.78	MEDIAN				429												
	"M" 35+82.00 TO "M" 39+95.00	MEDIAN			25													
	"M" 41+20.00 TO "M" 42+09.78	MEDIAN			6													
	"F" 1008+57.24 TO "M" 47+64.00	SB			21													
	"M" 43+61.80 TO "F" 1008+57.24	SB			7				6									
	"M" 43+61.76 TO "B" 1020+82.44	NB			19													
	"C" 1009+30.00 TO "M" 47+73.00	NB			5				7									
	"M" 43+61.76 TO "M" 46+50.00	NB							24									
	"F" 1008+57.24 TO "M" 47+64.00	SB							22									
L-5	"M" 44+59.94 TO "M" 44+89.35	SB																2
	"M" 46+02.00 TO "B" 1021+00.00	NB							8									
	"M" 47+45.00 TO "M" 47+64.00	SB							2									
	"B" 1021+09.06 TO "M" 47+73.00	NB							9									
	"M" 43+61.78 TO "M" 46+10.00	MEDIAN			11		2,885											
	"M" 47+15.31 TO "M" 47+47.00	MEDIAN			3		384											
L-6	"M" 47+62.00 TO "M" 47+90.00	MEDIAN			3		418											
	"B" 1016+87.59 TO "C" 1009+34.00	MEDIAN			20		4,827											
	"S" 1013+04.93 TO "S" 1013+36.80	WB					468											
L-5	"S" 1021+97.29 TO "S" 1023+50.10	WB					2,368											
L-6	"M" 30+10.00 TO "M" 34+30.00	MEDIAN		11		1,453												
SUBTOTAL			62	11	113	11,098	4,390	115	25	13	2							
TOTAL			73		113	15,488		115		40								

2 REVISED PER ADDENDUM No. 2

PRE/POST CONSTRUCTION SURVEYS

SHEET No.	LOCATION	NUMBER OF CONSTRUCTION SURVEYS	DESCRIPTION
		EA	
C-18	MORENO BEACH Dr	1	CURB RAMP
C-19	MORENO BEACH Dr	1	CURB RAMP
C-20	MORENO BEACH Dr	1	CURB RAMP
C-21	MORENO BEACH Dr	1	CURB RAMP
C-22	MORENO BEACH Dr	1	CURB RAMP
TOTAL		5	

DETECTABLE WARNING SURFACE

SHEET No.	STATION	LOCATION	DETECTABLE WARNING SURFACE
			SQFT
C-18	"E" 1010+21.32 TO "E" 1010+26.32	NB	15
C-19	"E" 1010+19.57 TO "E" 1010+28.00	NB	30
C-20	"D" 1008+67.00 TO "D" 1008+72.40	SB	24
C-21	"D" 1008+68.70 TO "D" 1008+73.70	SB	15
C-21	"F" 1008+86.44 TO "F" 1008+91.41	SB	14
	"F" 1008+90.72 TO "F" 1008+96.63	SB	12
C-22	"B" 1021+20.61 TO "B" 1021+16.44	NB	13
C-23	"M" 47+56.17 TO "M" 47+52.00	NB	13
	"C" 1009+15.00 TO "C" 1009+19.17	NB	13
C-24	"M" 47+52.00 TO "M" 47+57.00	SB	15
TOTAL			164

CONSTRUCT SURVEY MONUMENT

MONUMENT	SHEET No.	CONSTRUCT SURVEY MONUMENT (TYPE B)
		EA
1	L-3	1
TOTAL		1

CONCRETE BARRIER

SHEET No.	STATION	LOCATION	CONCRETE BARRIER (TYPE 60R)	CONCRETE BARRIER (TYPE 842B)
			LF	LF
L-2	"S" 1008+31.67 TO "S" 1010+78.67	MEDIAN	247	
	"D" 1008+44.00 TO "M" 40+88.09	L+		50
	"E" 1010+07.58 TO "E" 1010+48.32	L+		53
L-3	"M" 43+61.80 TO "F" 1008+57.25	L+/R+		75
TOTAL			247	178

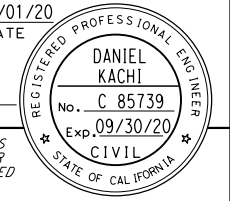
SUMMARY OF QUANTITIES

Q-3

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

PAVEMENT STRUCTURE QUANTITIES

SHEET No.	STATION		LOCATION	STRUCTURE SECTION No.	HOT MIX ASPHALT (TYPE A)	RUBBERIZED HOT MIX ASPHALT (TYPE G)	JOINTED PLAIN CONCRETE PAVEMENT	CLASS 2 AGGREGATE BASE	SUBGRADE ENHANCEMENT GEOTEXTILE	PRIME COAT	TACK COAT
	FROM	TO			TON	TON					
L-1	"S" 990+28.54	"F" 1001+93.94	ROUTE 60 WB	2	434	174		750		0.37	0.37
	"S" 990+28.54	"S" 1003+50.00	ROUTE 60 WB	1	3,197	366		452	2,706	0.79	0.79
	"S" 1001+92.15	"S" 1003+50.00	ROUTE 60 WB	2	60	24		103		0.05	0.05
	"F" 1001+93.94	"F" 1003+50.00	ROUTE 60 WB ON-RAMP	3	244	82		101		0.18	0.18
	"S" 990+28.54	"S" 1003+50.00	ROUTE 60 WB	6		41					
L-2	"M" 35+82.00	"M" 40+79.47	MORENO BEACH Dr	7	1,949	862		1,492		1.87	1.87
	"D" 1006+50.00	"D" 1008+74.00	ROUTE 60 EB OFF-RAMP	4			344	525			
	"S" 1008+31.67	"S" 1010+78.67	ROUTE 60 EB MEDIAN	2	121	49		209		0.10	0.10
	"E" 1010+48.32	"E" 1012+25.00	ROUTE 60 EB ON-RAMP	3	286	96		118		0.21	0.21
L-3	"S" 1003+50.00	"B" 1013+04.93	ROUTE 60 WB	1	2,579	290		364	2,183	0.64	0.64
	"S" 1003+50.00	"B" 1013+04.93	ROUTE 60 WB	2	374	150		647		0.32	0.32
	"F" 1003+50.00	"F" 1008+57.24	ROUTE 60 WB ON-RAMP	3	837	274		345		0.60	0.60
	"S" 1013+04.93	"S" 1016+50.00	ROUTE 60 WB	2	130	52		224		0.11	0.11
	"B" 1013+04.93	"B" 1020+82.44	ROUTE 60 WB ON-RAMP	3	1,288	430		530		0.93	0.93
	"C" 1009+18.00	"C" 1011+00.00	ROUTE 60 WB OFF-RAMP	4			206	322			
	"C" 1011+00.00	"C" 1016+50.00	ROUTE 60 WB OFF-RAMP	3	770	252		317		0.55	0.55
	"S" 1008+31.67	"S" 1010+78.67	ROUTE 60 WB MEDIAN	2	102	41		177		0.09	0.09
	"M" 43+61.78	"M" 49+50.00	MORENO BEACH Dr	7	2,172	966		1,629		2.09	2.09
	"S" 1003+50.00	"S" 1016+50.00	ROUTE 60 WB	6		40					
L-4	"M" 49+50.00	"M" 54+25.00	MORENO BEACH Dr	7	991	441		707		0.95	0.95
L-5	"S" 1016+50.00	"S" 1023+50.10	ROUTE 60 WB	2	263	105		454		0.23	0.23
	"C" 1023+49.36	"S" 1027+61.49	ROUTE 60 WB OFF-RAMP	1	948	109		134	802	0.23	0.23
	"C" 1023+49.36	"S" 1027+61.49	ROUTE 60 WB OFF-RAMP	2	124	45		214		0.11	0.11
	"S" 1016+50.00	"S" 1027+61.49	ROUTE 60 WB	6		34					
	"C" 1016+50.00	"C" 1023+49.36	ROUTE 60 WB OFF-RAMP	3	751	246		309		0.54	0.54
L-6	"M" 30+10.00	"M" 34+30.00	MORENO BEACH Dr	7	49	22		35		0.05	0.05
SUBTOTAL THIS SHEET					17,669	5,191	550	10,158	5,691	11	11
HOT MIX ASPHALT (TYPE A) (Misc AREAS)					540						
JOINTED PLAIN CONCRETE PAVEMENT (Misc AREAS)							3				
CLASS 2 AGGREGATE BASE (Misc AREAS)								395			
HOT MIX ASPHALT (TYPE A) (TRAFFIC HANDLING)					188						
CLASS 2 AGGREGATE BASE (TRAFFIC HANDLING)								103			
HOT MIX ASPHALT DIKE					12						
TOTAL					18,409	5,191	553	10,656	5,691	11	11

1 REVISED PER ADDENDUM No. 1

1

SUMMARY OF QUANTITIES Q-4

LAST REVISION DATE PLOTTED => 2/10/2021 00-00-00 TIME PLOTTED => 4:25:07 PM

ROADWAY QUANTITIES (Misc AREAS)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	216	358

Daniel Kachi 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

SHEET No.	STATION	DIRECTION	TOTAL THICKNESS OF TAPERED EDGE (N)	LENGTH TAPERED EDGE (N)	LENGTH TAPERED EDGE (Mod) (N)	PLACE HOT MIX ASPHALT Misc AREAS (MVP)	HOT MIX ASPHALT (TYPE A)		SHOULDER BACKING	CLASS 2 AGGREGATE BASE	JOINTED PLANE CONCRETE PAVEMENT
			FT	LF	LF		SQYD	TON			
L-1	"S" 990+89.92 TO "S" 991+24.26	L+	0.70	34.31				0.93	0.26	1.67	
	"S" 1002+94.59 TO "S" 1003+50.00	L+	0.70	55.41				1.51	0.42	2.69	
	"F" 1002+97.06 TO "F" 1003+50.00	R+	0.80	52.94				1.74	0.40	0.74	
L-2	"D" 1006+50.00 TO "D" 1007+00.00	R+	0.85	50.00				1.64	0.38	1.81	0.95
	"D" 1007+85.00 TO "D" 1008+35.00	R+	0.85	50.00				1.64	0.38	1.81	0.95
	"E" 1010+55.34 TO "E" 1012+25.00	R+	0.80	169.66				5.57	1.27	2.36	
L-3	"D" 1007+00.00 TO "D" 1007+85.00	R+	0.50	85.00		87	30	1.36	0.64	23.77	
	"B" 1013+38.63 TO "B" 1016+87.59	R+	0.80	348.96				11.45	2.62	4.85	
	"F" 1003+50.00 TO "F" 1005+07.25	R+	0.80	157.25				5.16	1.18	2.18	
	"C" 1009+30.00 TO "C" 1009+80.00	L+	0.85	50.00				1.64	0.38	1.81	0.95
	"C" 1009+80.00 TO "C" 1011+00.00	L+	0.50	120.00		133	45	1.91	0.90	36.50	
	"C" 1011+00.00 TO "C" 1016+50.00	L+	0.80	550.00				18.05	4.13	7.64	
	"C" 1013+69.85 TO "C" 1016+50.00	R+	0.80	280.15				9.20	2.10	3.89	
	"M" 47+64.00 TO "M" 49+50.00	L+	0.65		186.00			9.38		3.36	
	"M" 47+73.00 TO "M" 49+50.00	R+	0.65		177.00			8.93		3.20	
	"S" 1013+36.80 TO "S" 1016+50.00	L+	0.70	213.20				5.80	1.60	10.36	
	"F" 1006+80.00 TO "F" 1008+00.00	L+	0.50	120.00		133	45	1.91	0.90	36.50	
	"F" 1008+00.00 TO "F" 1008+57.24	L+	0.50	57.24				0.91	0.43	1.19	
	"B" 1019+33.00 TO "B" 1020+53.00	L+	0.50			133	45	0.00	0.00	34.00	
	"S" 1003+50.00 TO "S" 1004+90.00	L+	0.70	140.00				3.81	1.05	6.81	
	"S" 1004+90.00 TO "S" 1006+10.00	L+	0.50	127.00		133	45	2.03	0.95	36.65	
"S" 1006+10.00 TO "B" 1012+58.45	L+	0.70	644.00				17.51	4.83	31.31		
"B" 1012+58.45 TO "B" 1014+21.17	L+	0.50	135.00		127	44	2.15	1.01	34.81		
L-4	"M" 49+50.00 TO "M" 49+56.48	L+	0.65	6.88				0.35		0.12	
	"M" 49+56.48 TO "M" 54+25.00	L+	0.65		470.00			23.71		0.00	
	"M" 49+50.00 TO "M" 54+25.00	R+	0.65		475.00			23.97		0.00	
L-5	"S" 1016+50.00 TO "S" 1021+97.29	L+	0.70	547.29				14.88	4.10	26.60	
	"C" 1016+50.00 TO "C" 1017+00.00	R+	0.80	50.00				1.64	0.38	0.69	
	"C" 1017+00.00 TO "C" 1018+40.00	R+	0.50	120.00		127	43	1.91	0.90	34.50	
	"C" 1018+40.00 TO "C" 1021+96.00	R+	0.80	357.50				11.73	2.68	4.97	
	"C" 1016+50.00 TO "C" 1017+20.00	L+	0.80	69.70				2.29	0.52	0.97	
	"C" 1017+20.00 TO "C" 1018+42.00	L+	0.50	120.00		133	45	1.91	0.90	36.50	
"C" 1018+42.00 TO "C" 1018+81.78	L+	0.80	38.55				1.27	0.29	0.54		
SUBTOTAL						1007	342	198	36	395	3
TOTAL						1007	540		36	395	3

SUMMARY OF QUANTITIES
Q-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 ANNA SCHWARZWELLER
 REVISOR
 DANIEL KACHI
 CHECKED BY
 NICOLE DEPUY
 DESIGNED BY
 DATE REVISOR
 DATE REVISOR

LAST REVISION DATE PLOTTED => 28-JUL-2020
 00-00-00 TIME PLOTTED => 13:25

CHAIN LINK FENCE

SHEET No.	STATION	LOCATION	CHAIN LINK FENCE (TYPE CL-6)
			LF
L-1	"S" 990+31.23 TO "F" 1003+50.00	WB	1,309
L-2	"M" 35+87.49 TO "M" 39+08.55	SB	385
L-3	"F" 1003+50.00 TO "M" 48+68.00	SB	788
	"M" 48+67.50 TO "C" 1016+50.00	WB	779
L-5	"C" 1016+50.00 TO "S" 1029+26.37	WB	1,235
TOTAL			4,496

CLASS 2 AGGREGATE BASE (ACCESS ROADS)

SHEET No.	LOCATION	CLASS 2 AGGREGATE BASE CY
L-3	ACCESS ROAD 1	125
L-5	ACCESS ROAD 2	48
TOTAL		174

PLACE HOT MIX ASPHALT DIKE

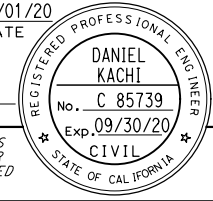
SHEET No.	LINE	STATION		LOCATION	TYPE D	TYPE F	HOT MIX ASPHALT (TYPE A)
		FROM	TO		LF	LF	TON
L-1	"S"	990+28.54	990+89.82	L+	61		5.1
L-2	"D"	1006+50.00	1008+44.00	L+		194	4.0
	"E"	1010+48.32	1012+25.00	L+		161	2.8
L-3	"B"	1014+21.17	1020+82.44		558		
TOTAL					619	355	11.9

MIDWEST GUARDRAIL SYSTEM

SHEET No.	STATION	LOCATION	MIDWEST GUARDRAIL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB-31)	ALTERNATIVE IN-LINE TERMINAL SYSTEM	VEGETATION CONTROL (MINOR CONCRETE)
			LF	EA	EA	EA	SQYD
L-1/L-3	"S" 991+24.26 TO "F" 1006+30.00	L+	1,493.75	1		1	608
L-2	"D" 1005+92.82 TO "D" 1008+44.00	L+	225		1	1	121
	"E" 1010+48.32 TO "E" 1011+98.32	L+	118.75	1	1		62
L-3	"F" 1005+07.25 TO "F" 1008+57.25	R+	318.75	1	1		168
L-5	"C" 1018+81.78 TO "S" 1033+76.81	L+	1,381.25	1		1	606
TOTAL			3,538	4	3	3	1,565

TEMPORARY HIGH-VISIBILITY FENCE

LINE	TEMPORARY HIGH-VISIBILITY FENCE LF
"C"	351
TOTAL	351

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	217	358
<i>Daniel Kachi</i> REGISTERED CIVIL ENGINEER PLANS APPROVAL DATE			07/01/20 DATE		
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

COLD PLANE ASPHALT CONCRETE PAVEMENT

SHEET No.	STATION	LOCATION	COLD PLANE ASPHALT CONCRETE PAVEMENT SQYD
L-1	"S" 990+28.54 TO "S" 1003+50.00	WB	299
L-3	"S" 1003+50.00 TO "S" 1016+50.00	WB	289
L-5	"S" 1016+50.00 TO "S" 1027+61.49	WB	250
TOTAL			838

EARTHWORK QUANTITIES SUMMARY

LINE	ROADWAY EXCAVATION	ROADWAY EMBANKMENT	OVEREXCAVATION	IMPORTED BORROW
	CY	CY (N)	CY (N)	CY
"S"	7,662	6,043	4,175	
"M"	1,963	49,050	24,261	
"B"	32,250	27,623	8,953	
"C"	8,136	18,728	10,417	
"D"	666	90	1,840	
"E"	199	60	1,315	
"F"	5,066	13,070	3,981	
SUBTOTAL		55,942	114,664	54,943
OVEREXCAVATION		54,943	54,943	
GRADING FACTOR ADJUSTMENT			25,441	
GRAND TOTAL		110,885	195,048	84,163

SUMMARY OF QUANTITIES

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	218	358

Eric Freeman
 LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

5-1-20
DATE

EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

IRRIGATION SPRINKLER SCHEDULE

SYMBOL	ITEM DESCRIPTION	SPRAY PATTERN	DISCHARGE RATE				INLET CONNECTION DIAMETER	SWING JOINT TYPE	RISER SPRINKLER ASSEMBLY		POP-UP SPRINKLER ASSEMBLY		REMARKS
			RADIUS	OPERATING PRESSURE	DISCHARGE RATE (+/-) 5%	PRECIPITATION RATE (+/-) 5%			TYPE	HEIGHT	MATERIAL		
			ft	psi	GPM	INCH/hr				INCH	INCH	INCH	
④	SHRUB BUBBLER	-	-	30	0.5	-	3/4	II	v	-	PL		INSTALL (1) PER EACH SHRUB
⑤	POP UP SPRINKLER'S	P	12	30	.36	1.0	3/4	I	-	-	PL	12"	INSTALL SPRINKLER PROTECTOR TYPE I ③
⑤	POP UP SPRINKLER'S	H	12	30	.74	1.0	3/4	I	-	-	PL	12"	INSTALL SPRINKLER PROTECTOR TYPE I ③
○	TREE BUBBLER	-	-	30	.50	-	3/4	III	-	12"	PL		INSTALL (2) BUBBLERS PER TREE ① ②

PIPE SIZING SCHEDULE

SHRUB BUBBLER	
PIPE SIZE	QTY OF NOZZLES
1"	0-24
1-1/4"	25-44
1-1/2"	45-60

TREE BUBBLER	
PIPE SIZE	QTY OF NOZZLES
1"	0-24
1-1/4"	25-44

POP-UP SPRINKLER'S	
PIPE SIZE	QUANTITY OF NOZZLES
1"	0-16
1-1/4"	17-29
1-1/2"	30-40

SHRUB BUBBLER ③
 TYPICAL IRRIGATION
 (SEE SHEETS IP-2 & IP-3)

- NOTES:**
- ① - INCLUDE AN INTERNAL OR EXTERNAL CHECK VALVE
 - ② - NON-ADJUSTABLE DISCHARGE RATE
 - ③ - INSTALL ONLY WHERE SPRINKLER IS ADJACENT TO ROADWAY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT - SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISOR
 DATE REVISOR
 CALCULATED - DESIGNED BY
 CHECKED BY
 USERNAME => k_j
 DGN FILE => 0812000059sm001.dgn



IRRIGATION SPRINKLER SCHEDULE

ISS-1

LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	219	358

Eric Freeman
 LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT
 ERIC FREEMAN #6245
 SIGNATURE
 EXP. 12/31/22
 5-1-20
 DATE
 STATE OF CALIFORNIA

EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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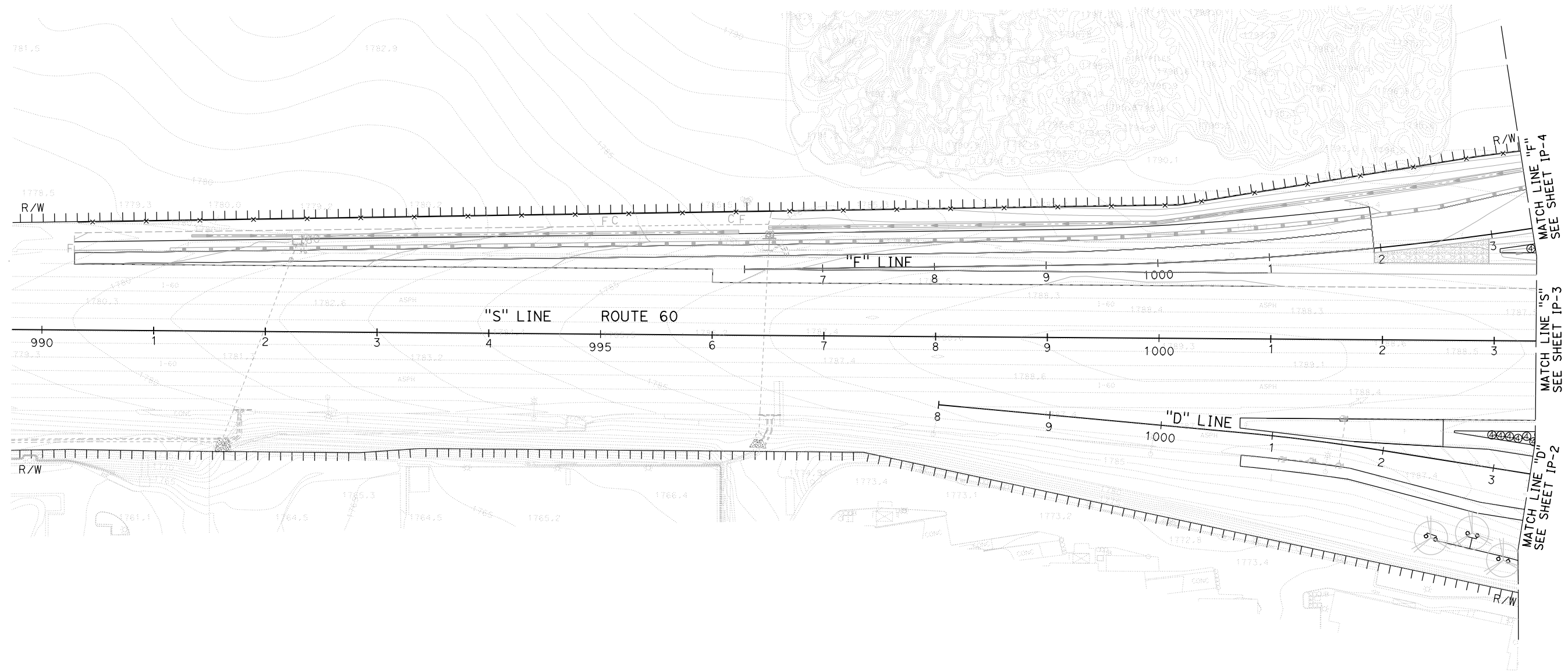
NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR CONTROLLER AND POINT OF CONNECTION INFORMATION SEE SHEET IQ-2

ABBREVIATIONS

POC = POINT OF CONNECTION
 BV = BALL BUBBLER
 SLV = SLEEVE REMOTE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR BY	
Caltrans	CHARLES SEAMONS LAMB	CHECKED BY	DATE REVISED	
			SAMUEL MEJIA	KEN LUDINGTON



APPROVED FOR IRRIGATION WORK ONLY

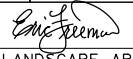
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-1

LAST REVISION | DATE PLOTTED => 17-AUG-2020
12-03-19 | TIME PLOTTED => 16:07

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR CONTROLLER AND POINT OF CONNECTION INFORMATION SEE SHEET IQ-2.
3. FOR CONTROLLER COMMUNICATION TO THE NETWORK, SEE SHEET (ED-7)
4. FOR EXISTING PRESSURE, AND PRESSURE CALCULATIONS, SEE SHEET IQ-3
5. SEE DETAIL FOR YAGI ANTENNA ON SHEET ID-1

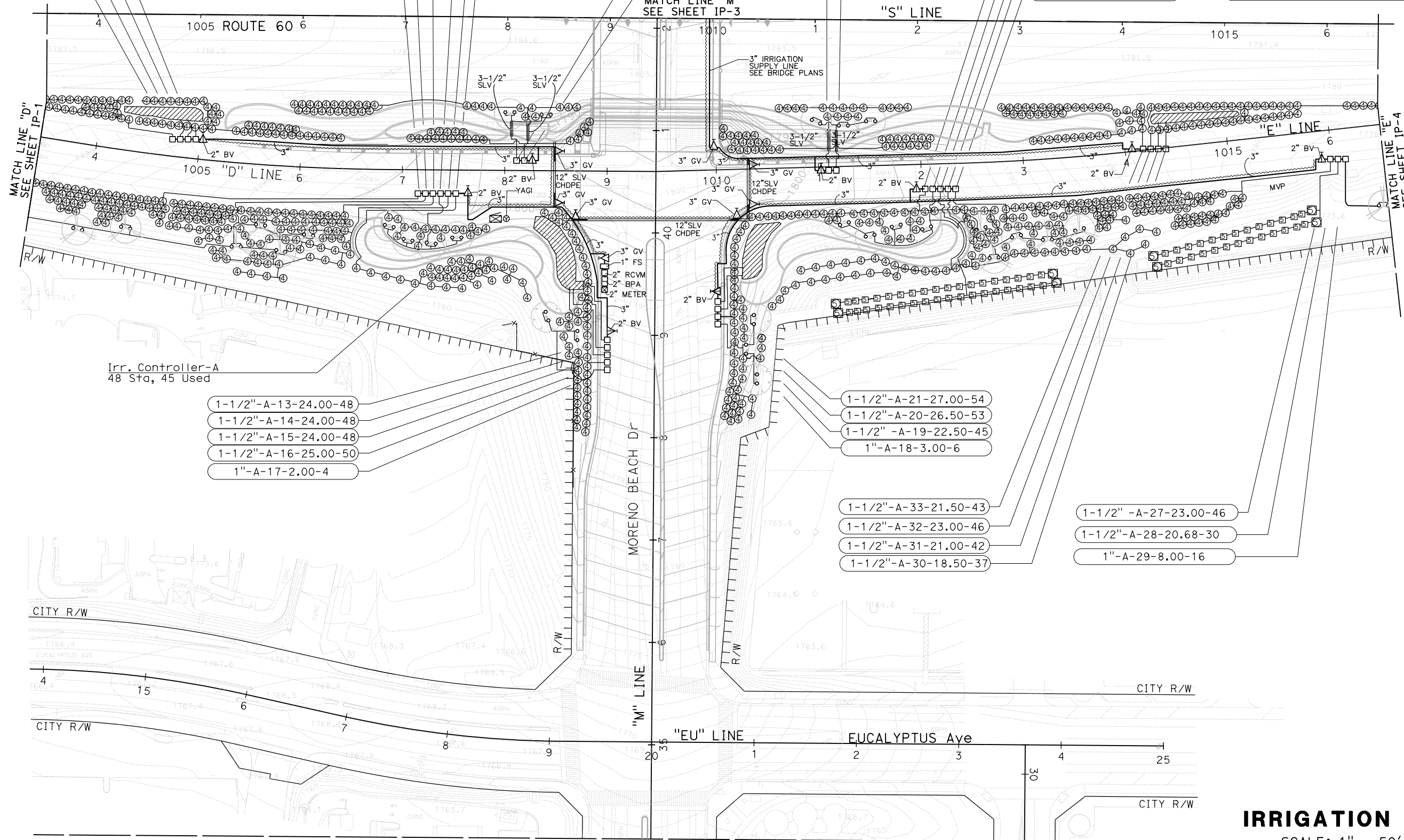
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	220	358


 LICENSED LANDSCAPE ARCHITECT
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 5-1-20
 DATE



- 1-1/2"-A-4-23.00-46
- 1-1/2"-A-3-22.50-45
- 1-1/2"-A-2-23.00-46
- 1-1/2"-A-1-18.00-36
- 1-1/2"-A-9-24.00-48
- 1"-A-8-9.00-18
- 1-1/2"-A-7-27.00-54
- 1"-A-10-4.00-8
- 1-1/2"-A-11-26.00-52
- 1-1/2"-A-12-26.50-53
- 1"-A-5-2.00-4
- 1-1/2"-A-6-26.50-53
- 1-1/2"-A-35-24.00-48
- 1"-A-34-3.00-6
- 1-1/2"-A-22-25.00-50
- 1"-A-23-9.00-18
- 1-1/2"-A-24-25.00-50
- 1-1/2"-A-25-28.08-40
- 1-1/2"-A-26-23.50-47



Irr. Controller-A
48 Sta, 45 Used

- 1-1/2"-A-13-24.00-48
- 1-1/2"-A-14-24.00-48
- 1-1/2"-A-15-24.00-48
- 1-1/2"-A-16-25.00-50
- 1"-A-17-2.00-4

- 1-1/2"-A-21-27.00-54
- 1-1/2"-A-20-26.50-53
- 1-1/2"-A-19-22.50-45
- 1"-A-18-3.00-6

- 1-1/2"-A-33-21.50-43
- 1-1/2"-A-32-23.00-46
- 1-1/2"-A-31-21.00-42
- 1-1/2"-A-30-18.50-37

- 1-1/2"-A-27-23.00-46
- 1-1/2"-A-28-20.68-30
- 1"-A-29-8.00-16

REVISOR	DATE	REVISION
SAMUEL MEJIA	KEN LUDINGTON	
CALCULATED-DESIGNED BY	CHECKED BY	
CHARLES SEAMONS LAMB		
CONSULTANT SENIOR LANDSCAPE ARCHITECT		
DEPARTMENT OF TRANSPORTATION		
STATE OF CALIFORNIA		



MATCH LINE "M" SEE SHEET IP-5 APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1" = 50'
IP-2

LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:09

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR CONTROLLER AND POINT OF CONNECTION INFORMATION SEE SHEET IQ-2
3. FOR CONTROLLER COMMUNICATION TO THE NETWORK, SEE SHEET (ED-7)
4. CONTROLLER-B TO BE "PARENT" CONTROLLER FOR COMMUNICATION.
5. SEE DETAIL FOR YAGI ANTENNA ON SHEET ID-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	221	358

Eric Freeman
LICENSED LANDSCAPE ARCHITECT

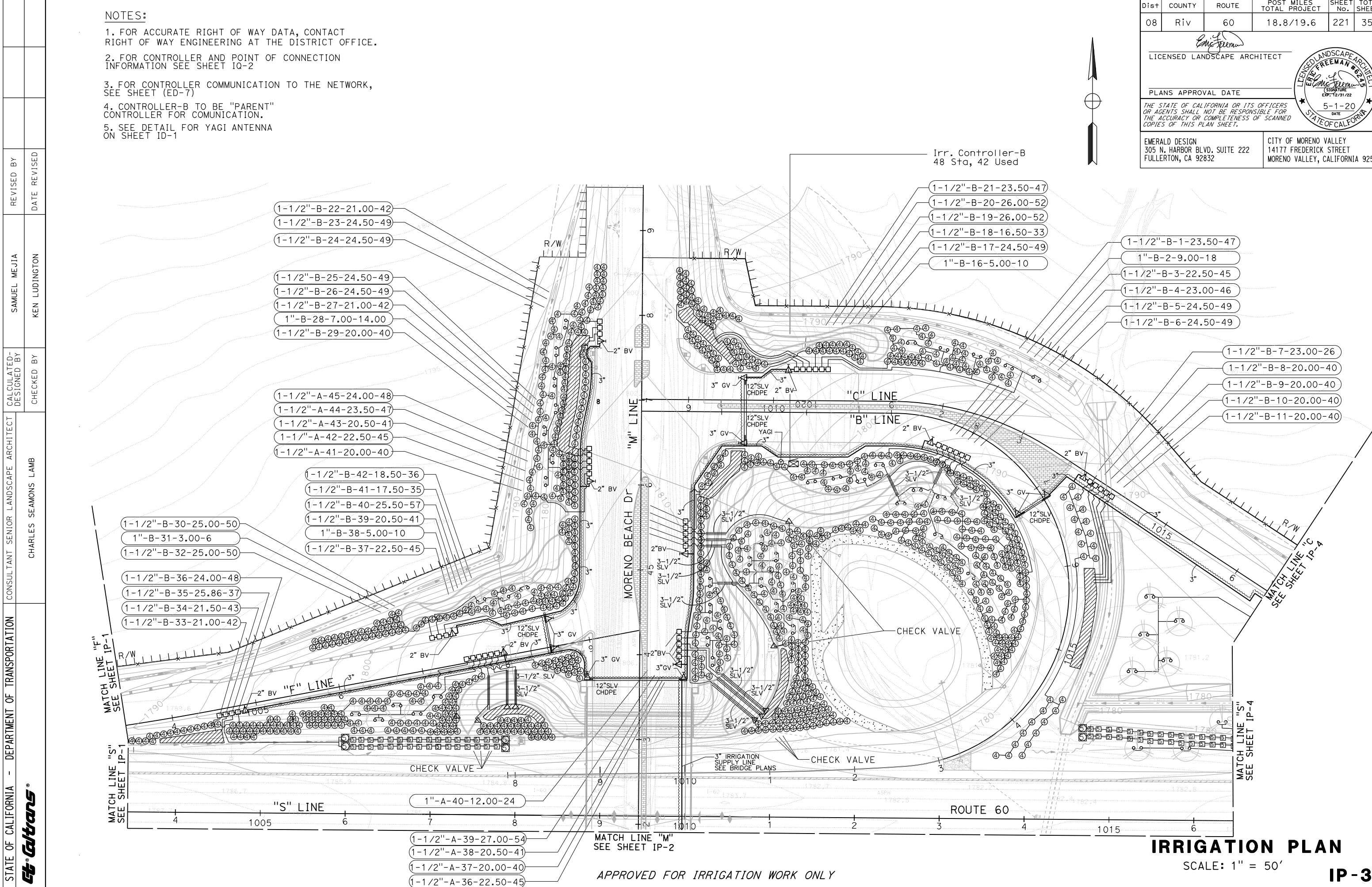
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EMERALD DESIGN
305 N. HARBOR BLVD. SUITE 222
FULLERTON, CA 92832

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552


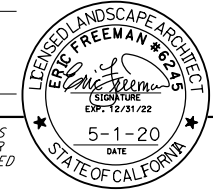
LICENSED LANDSCAPE ARCHITECT
Eric Freeman
5-1-20
DATE
STATE OF CALIFORNIA

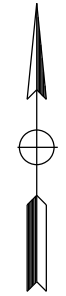


REVISOR	DATE	REVISOR	DATE
SAMUEL MEJIA	KEN LUDINGTON	CHARLES SEAMONS LAMB	CHARLES SEAMONS LAMB
CALCULATED-DESIGNED BY	CHECKED BY	CONSULTANT SENIOR LANDSCAPE ARCHITECT	CONSULTANT SENIOR LANDSCAPE ARCHITECT
DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION	STATE OF CALIFORNIA	STATE OF CALIFORNIA

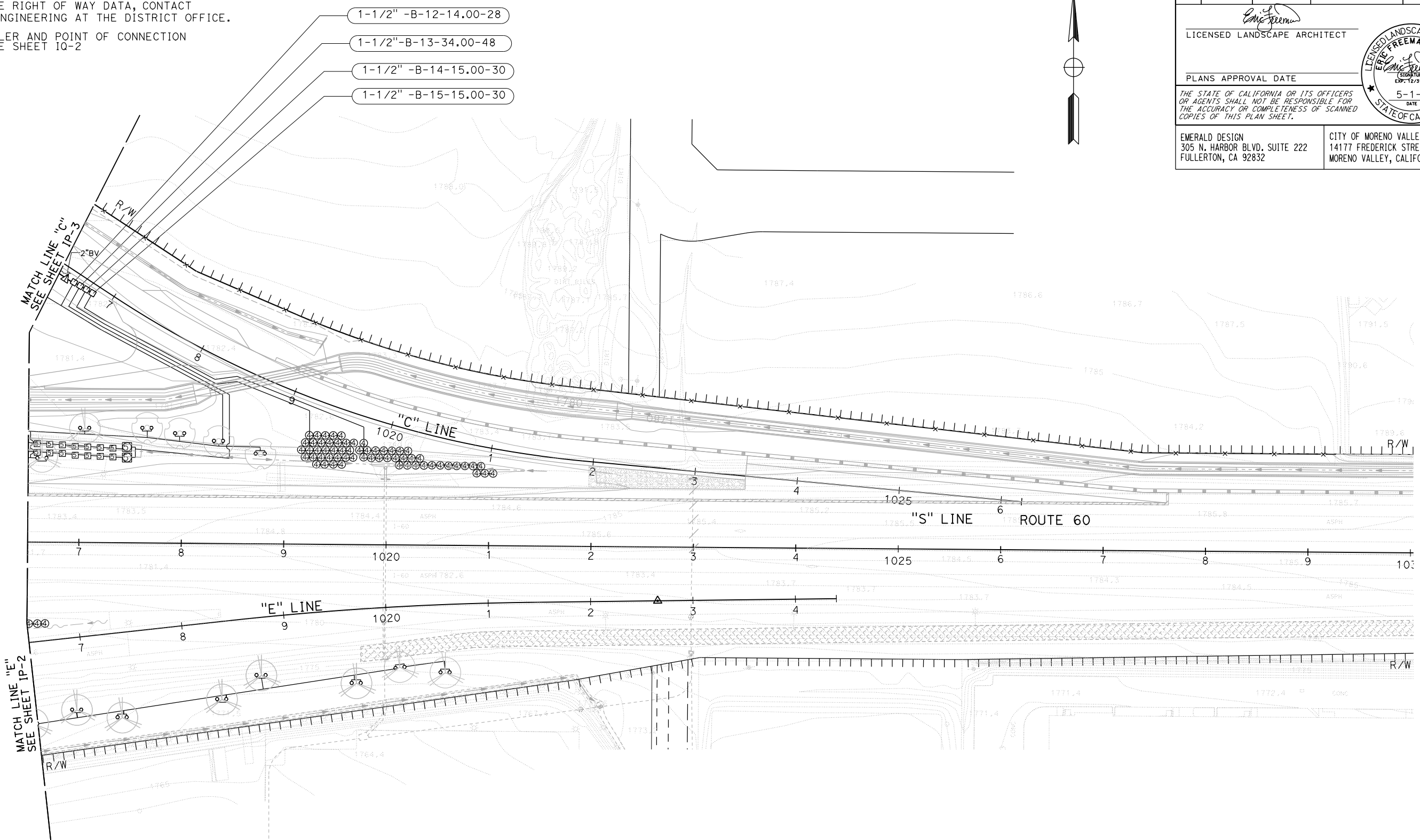
IRRIGATION PLAN
SCALE: 1" = 50'
IP-3

LAST REVISION DATE PLOTTED => 17-AUG-2020 12-03-19 TIME PLOTTED => 16:11


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	222	358
 LICENSED LANDSCAPE ARCHITECT EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832					
 PLANS APPROVAL DATE 5-1-20 <small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. FOR CONTROLLER AND POINT OF CONNECTION INFORMATION SEE SHEET IQ-2



- 1-1/2" -B-12-14.00-28
- 1-1/2" -B-13-34.00-48
- 1-1/2" -B-14-15.00-30
- 1-1/2" -B-15-15.00-30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR
	CHARLES SEAMONS LAMB	SAMUEL MEJIA	KEN LUDINGTON
	CHECKED BY	DATE	REVISOR

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-4

LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 REVISOR BY
 SAMUEL MEJIA
 CHECKED BY
 KEN LUDINGTON
 DATE REVISOR
 DATE CHECKED

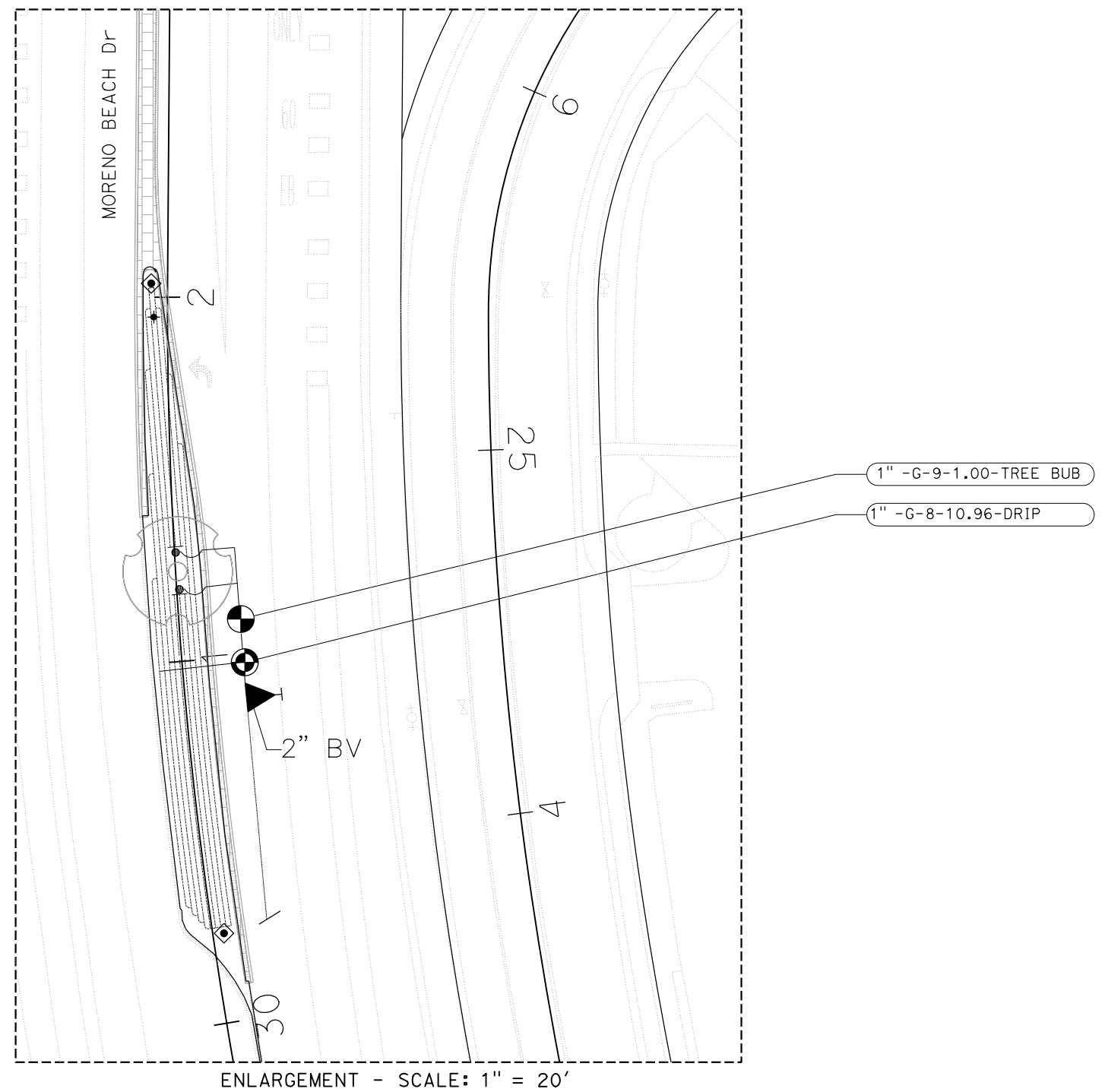
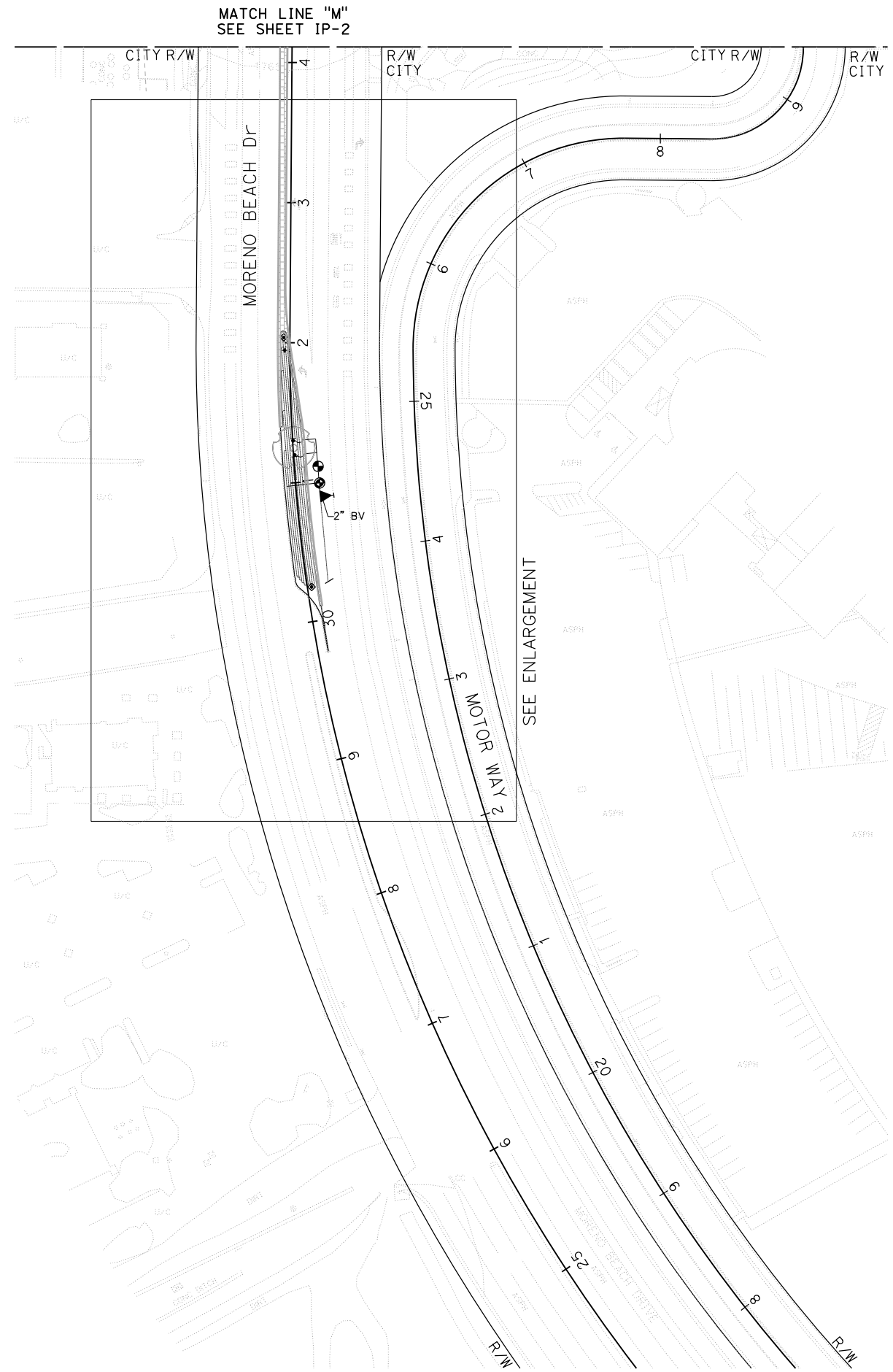
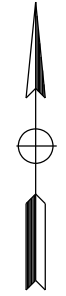
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	223	358

LICENSED LANDSCAPE ARCHITECT
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 5-1-20
 DATE

NOTES:

1. IMPROVEMENTS ARE OUTSIDE OF CALTRANS R/W. TO BE MAINTAINED BY THE CITY.
2. THIS PLAN IS DIAGRAMMATIC, THE ACTUAL LOCATION OF IRRIGATION EQUIPMENT INCLUDING BUT NOT LIMITED TO LATERAL LINES, VALVES, AND DRIP LINES SHALL BE LOCATED IN PLANTING AREAS WHENEVER POSSIBLE
3. CONTRACTOR TO CONTACT AUTO MALL REPRESENTATIVE PRIOR TO INSTALLING IRRIGATION IN MEDIAN AND CONNECTING TO POC.
4. CITY CONTACT: MORENO VALLEY SPECIAL DISTRICT TEL: 951-413-3480


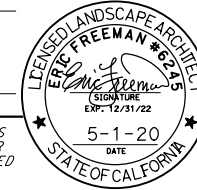


ENLARGEMENT - SCALE: 1" = 20'

APPROVED FOR IRRIGATION WORK ONLY

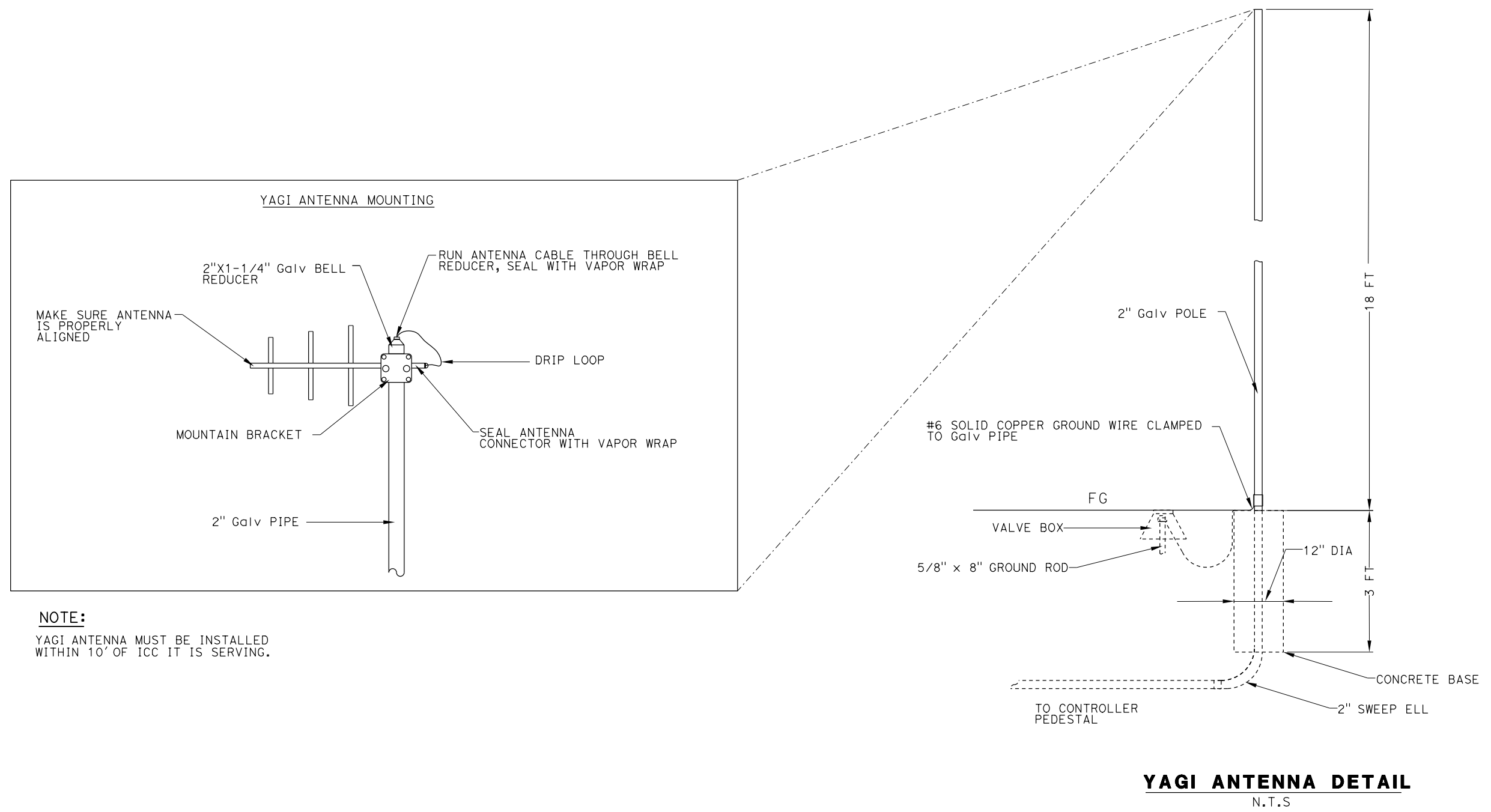
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	224	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

 5-1-20
 DATE

EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED BY DESIGNED BY
 CHECKED BY
 REVISOR BY
 DATE REVISED
 SAMUEL MEJIA
 KEN LUDINGTON

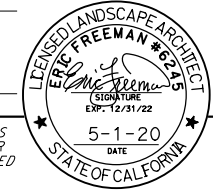


NOTE:
YAGI ANTENNA MUST BE INSTALLED WITHIN 10' OF ICC IT IS SERVING.

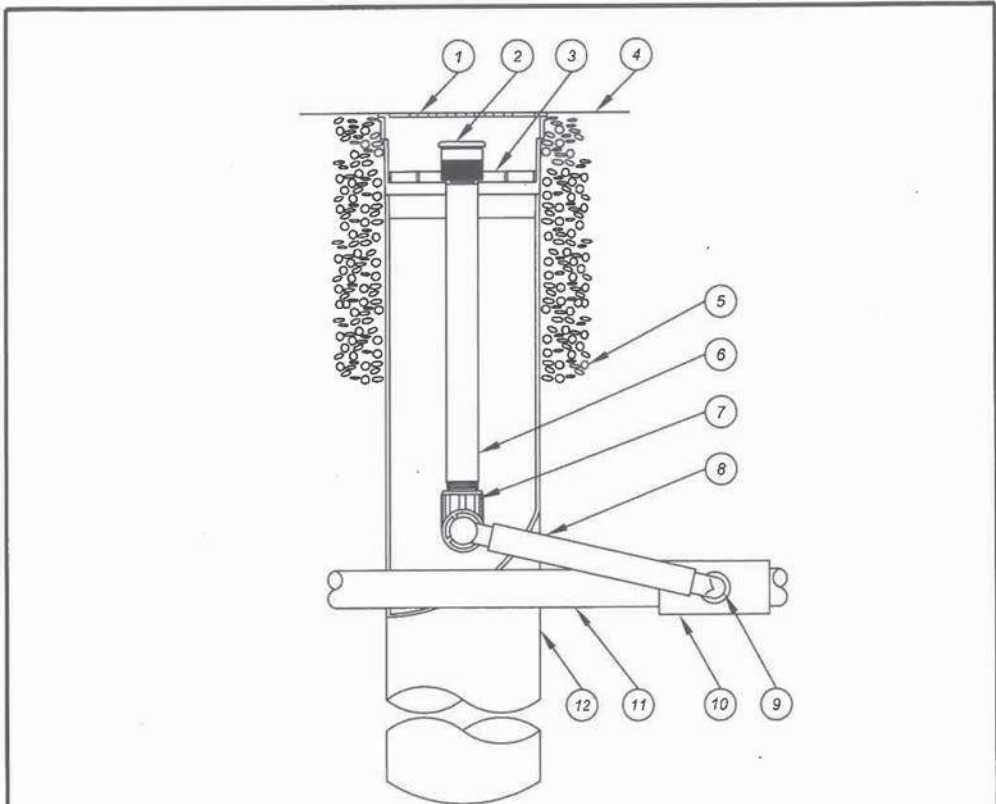
IRRIGATION DETAILS ID-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	225	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

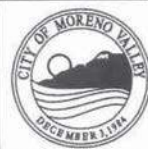




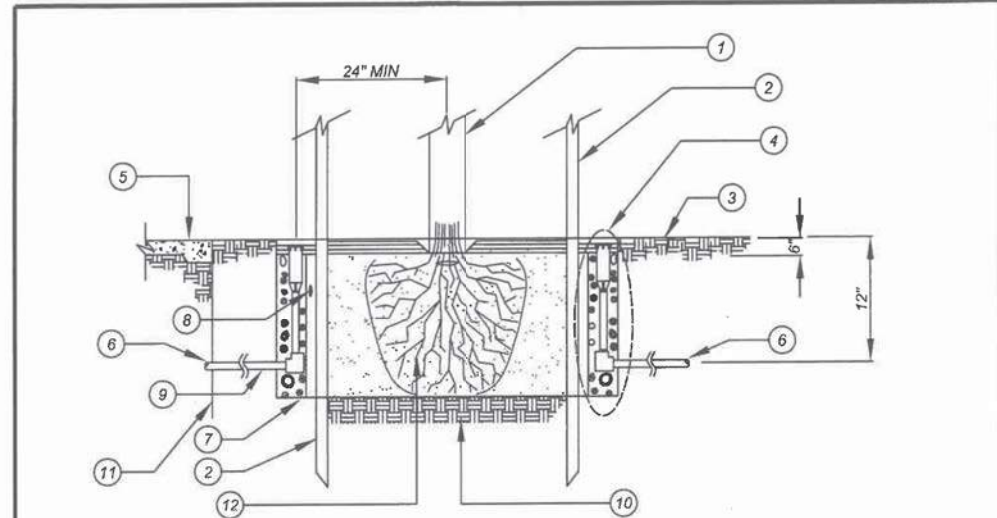
EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



- | | |
|---|--|
| 1 4-INCH GRATE (INCLUDED) | 6 1/2-INCH PVC SCH 80 NIPPLE (INCLUDED) |
| 2 BUBBLER: RAIN BIRD 1402 0.50 GPM OR AS REQUESTED (INCLUDED) | 7 1/2-INCH 90-DEGREE ELBOW (INCLUDED) |
| 3 ROOT WATERING SYSTEM: RAIN BIRD RWS-BCG02 OR AS SPECIFIED (INCLUDES 1402 0.50 GPM BUBBLER WITH RISER, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, CHECK VALVE, AND BASKET CANISTER) | 8 12-INCH SWING ASSEMBLY (INCLUDED) |
| 4 FINISH GRADE | 9 1/2-INCH MALE NPT INLET (INCLUDED) |
| 5 3/4" ROCK AND RWS SAND SOCK (RWS-SOCK) | 10 PVC SCH 40 TEE OR ELL |
| | 11 LATERAL PIPE |
| | 12 4-INCH BASKET WEAVE CANISTER (INCLUDED) |

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER DATE	CITY OF MORENO VALLEY PARKS AND COMMUNITY SERVICES DEPARTMENT RAINBIRD RWS - BCG02 ROOT WATERING SYSTEM	STANDARD PLAN MVLI-566-0
	APPROVED:  PUBLIC WORKS DIRECTOR / DATE CITY ENGINEER		SHEET 1 OF 1

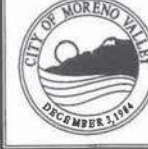

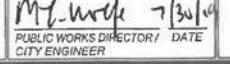


- LEGEND:**
- 1 TREE TRUNK
 - 2 2" LODGE POLE STAKES (PER CITY STANDARDS)
 - 3 FINISH GRADE: TO BE DETERMINED AND APPROVED BY PARKS AND COMMUNITY SERVICES IN THE FIELD
 - 4 ROOT WATERING SYSTEM (RWS) WITH MFG. DRAIN SOCK (PER PLAN AS SPECIFIED), CONNECT TO LATERAL LINE PER MANUFACTURER'S RECOMMENDATIONS, AND AS APPROVED BY PARKS AND COMMUNITY SERVICES. FILL WITH 3/4" AGGREGATE TO SPECIFIED LEVEL
 - 5 CONCRETE SIDEWALK
 - 6 NON-PRESSURE LATERAL LINE
 - 7 PLANTING PIT: 2 TIMES WIDTH OF ROOTBALL AND SAME DEPTH AS ROOTBALL
 - 8 PLANT TABLETS PER MANUFACTURER'S RECOMMENDATIONS (DISTRIBUTED AROUND ROOTBALL)
 - 9 CONNECT TO LATERAL LINE PER MANUFACTURER'S RECOMMENDATIONS, AND AS APPROVED BY PARKS AND COMMUNITY SERVICES
 - 10 UNDISTURBED NATIVE SOIL
 - 11 INSTALL VERTICAL ROOT BARRIER PER MFG. INSTRUCTIONS (WHERE SPECIFIED)
 - 12 ROOTBALL

NOTES:

1) SUPPLEMENTAL TREE IRRIGATION: 3 RWS FOR 15 GALLON TREES AND LARGER.

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER DATE	CITY OF MORENO VALLEY PARKS AND COMMUNITY SERVICES DEPARTMENT DEEP WELL TREE IRRIGATION	STANDARD PLAN MVLI-563B-0
	APPROVED:  PUBLIC WORKS DIRECTOR / DATE CITY ENGINEER		SHEET 2 OF 2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	226	358

Eric Freeman
 LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE _____

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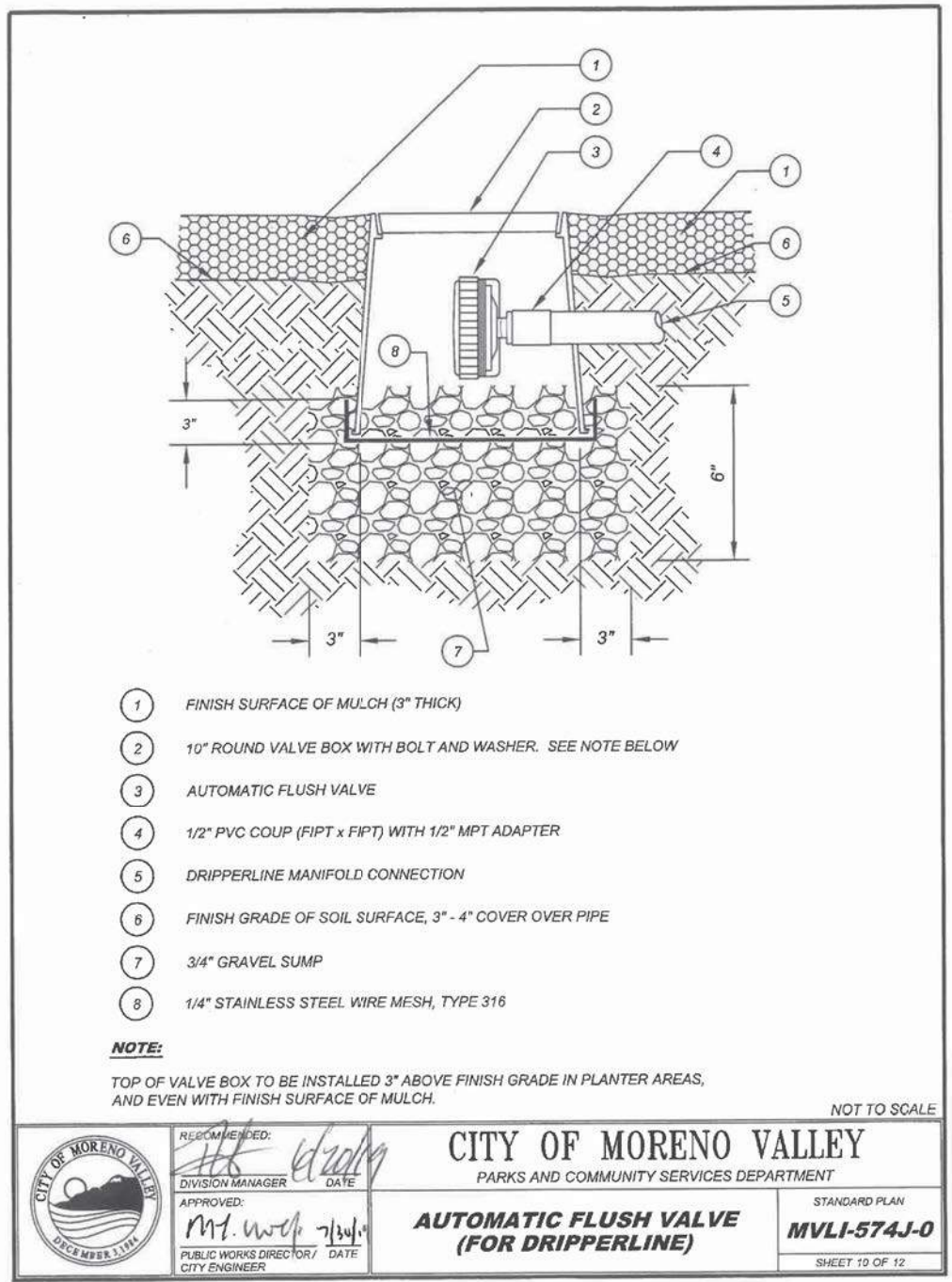
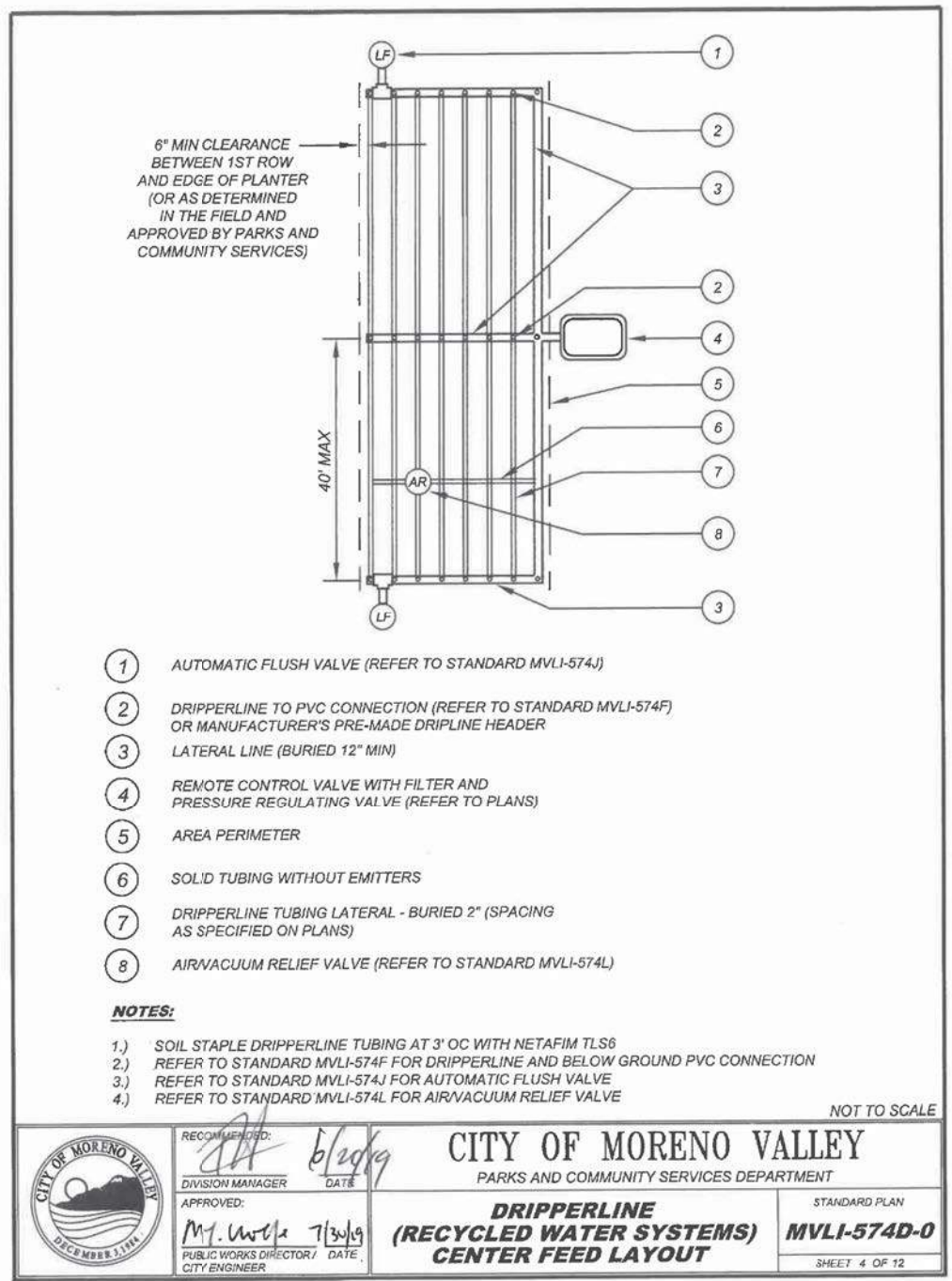
5-1-20
DATE

EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTE:

VALVE BOX COVERS MUST BE PURPLE IN COLOR (PANATONE 522C) AND MARKED WITH THE WORDS "RECLAIMED WATER"



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB

IRRIGATION DETAILS
 CITY OF MORENO VALLEY STANDARD PLANS
ID-3

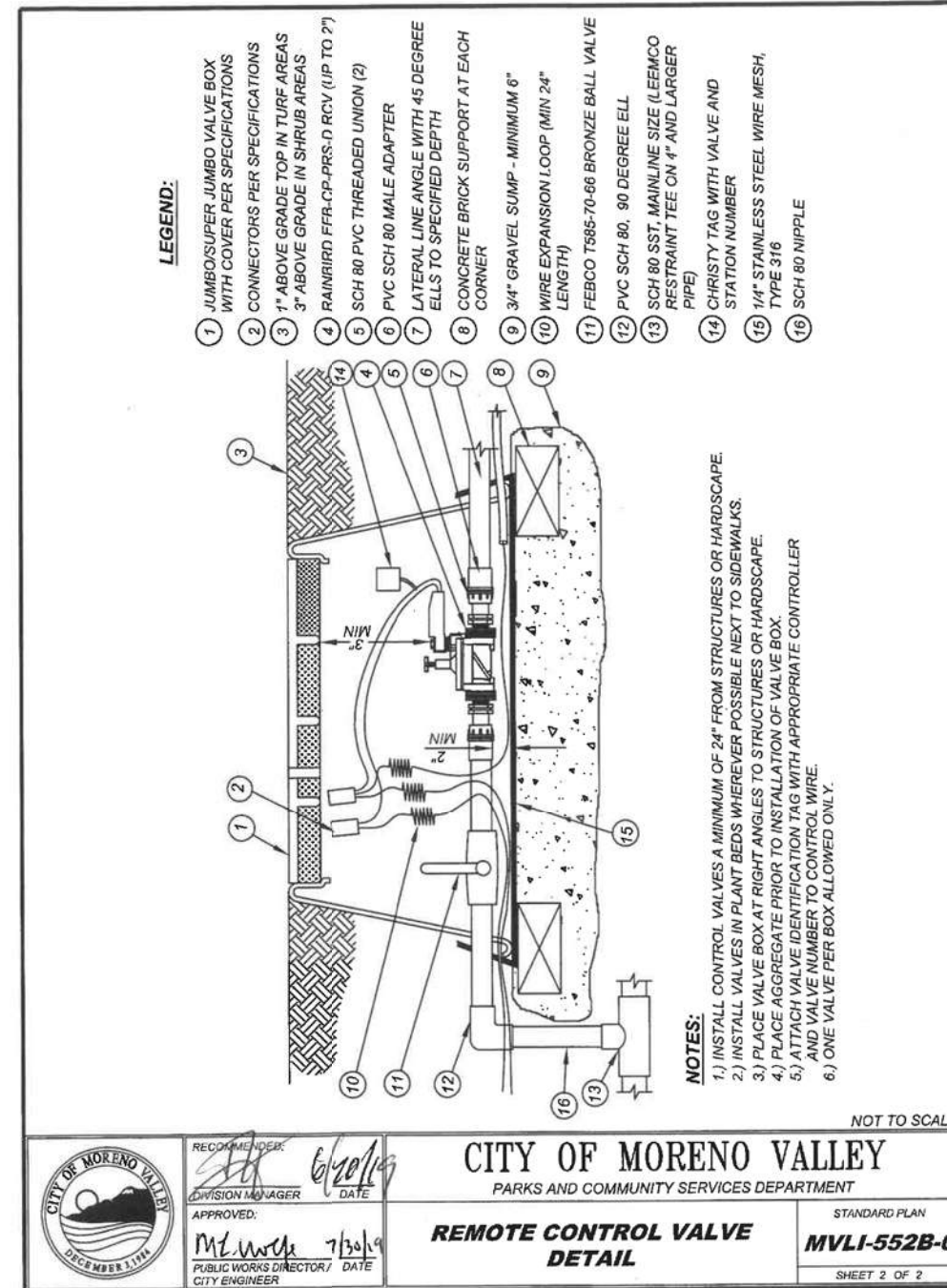
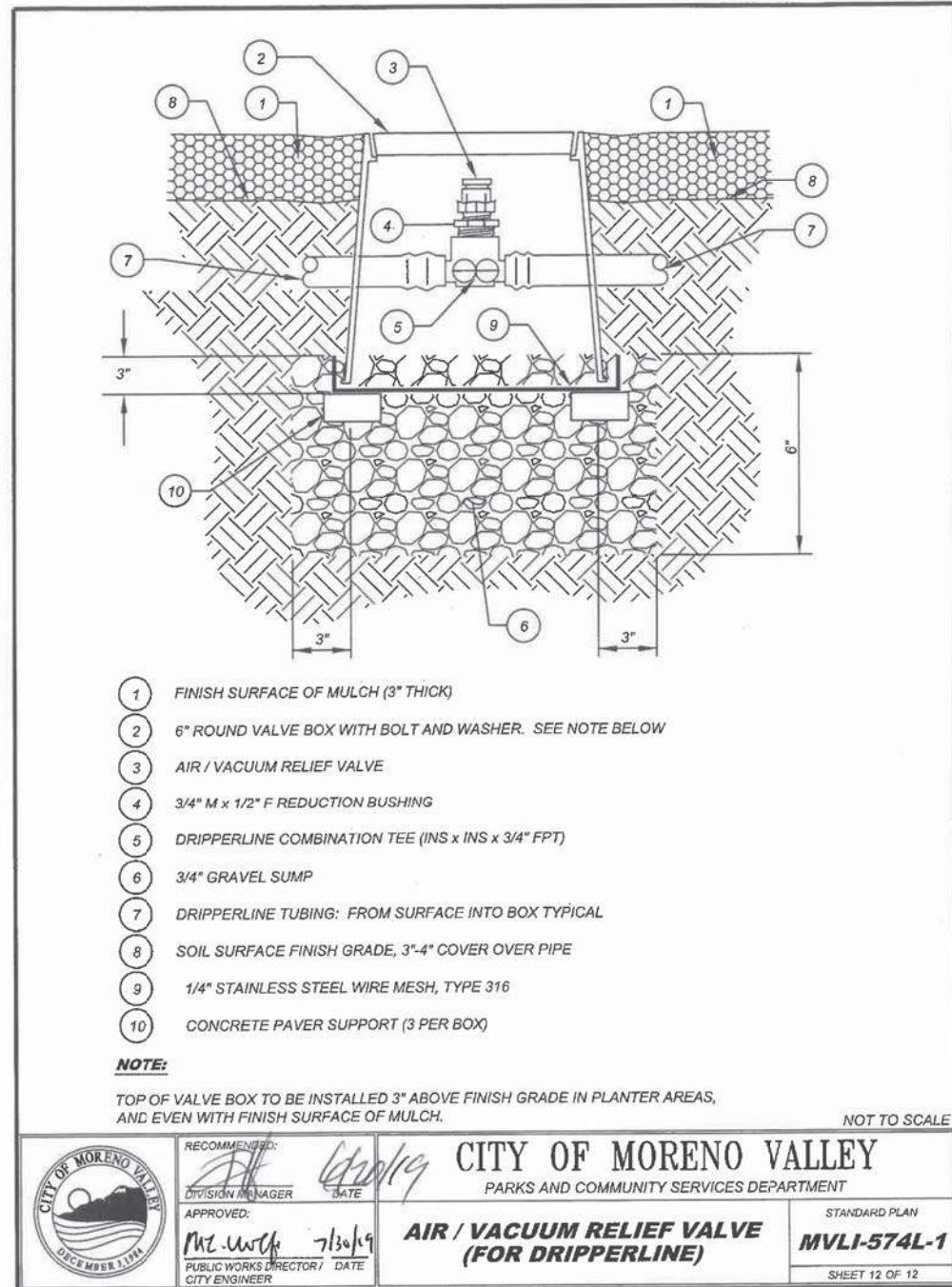
LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:20

NOTES:

1. VALVE BOX COVERS MUST BE PURPLE IN COLOR (PANATONE 522-C) AND MARKED WITH THE WORDS "RECLAIMED WATER"

2. WARNING LABELS-THREE INCH BY FOUR INCHES (3"x4") TAG-TYPE WARNING LABELS SHALL BE ATTACHED TO ALL VALVES USING HEAVY DUTY NYLON FASTENERS.

3. LABELS SHALL BE TEN (10) MIL THICK, MADE FROM AN INERT PLASTIC FILM, PURPLE IN COLOR (PANATONE 512-C) IMPRINTED WITH THE WORDS "CAUTION: RECLAIMED WATER-DO NOT DRINK" AND THE INTERNATIONAL SYMBOL FOR "DO NOT DRINK" IN BLACK INK.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	227	358

LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT SENIOR LANDSCAPE ARCHITECT

DESIGNED BY

CHECKED BY

REVISOR

DATE

REVISOR

DATE


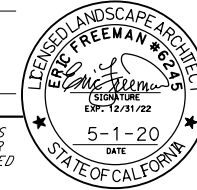
SAMUEL MEJIA

KEN LUDINGTON

CHARLES SEAMONS LAMB

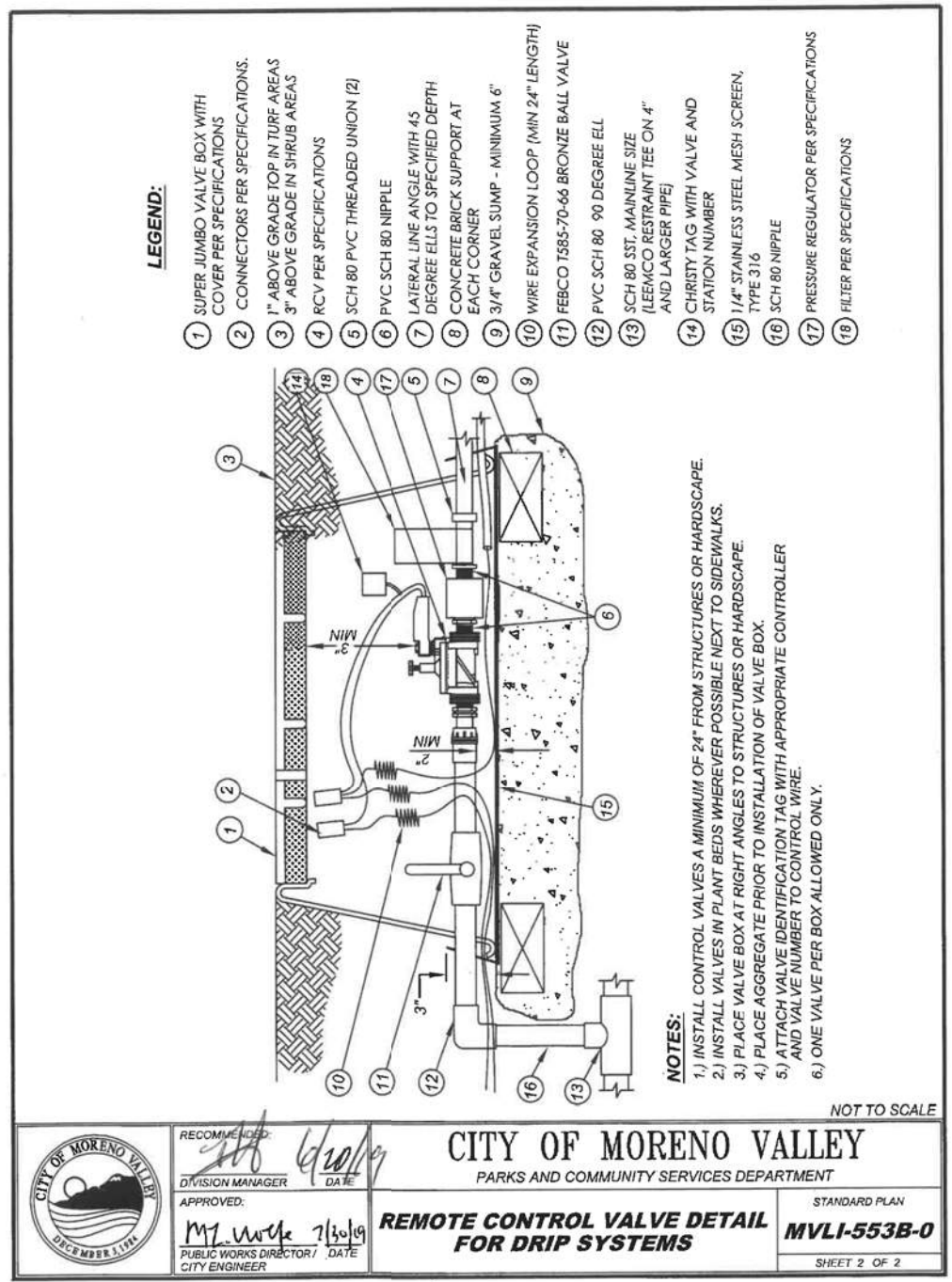
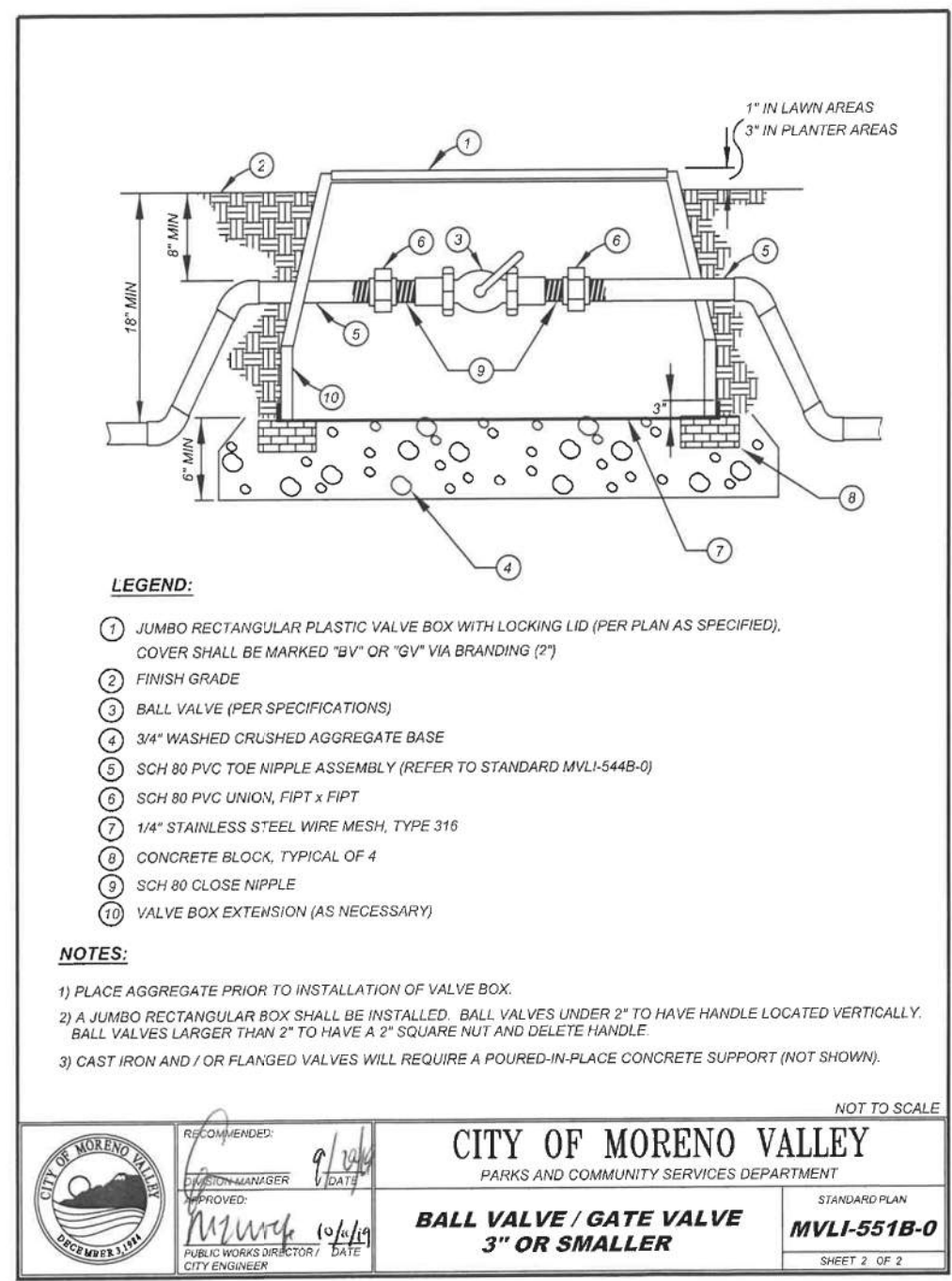
Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	228	358

 LICENSED LANDSCAPE ARCHITECT		
PLANS APPROVAL DATE		
EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552


NOTES:

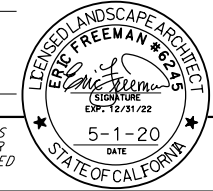
1. VALVE BOX COVERS MUST BE PURPLE IN COLOR (PANATONE 522-C) AND MARKED WITH THE WORDS "RECLAIMED WATER"
2. WARNING LABELS-THREE INCH BY FOUR INCHES (3"x4") TAG-TYPE WARNING LABELS SHALL BE ATTACHED TO ALL VALVES USING HEAVY DUTY NYLON FASTENERS.
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED BY
 CHECKED BY
 DESIGNED BY
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISOR BY
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	229	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

NOTES:

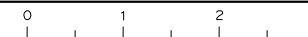
1. SEE CALTRANS STANDARD PLANS FOR DETAILS NOT SHOWN

IRRIGATION QUANTITY (LATERAL SUPPLY SIDE OF CONTROL VALVE)

CONTROLLER LETTER	VALVE NUMBER	PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)			CHECK VALVE	PVC PIPE CONDUIT SLEEVE (SCH 80)	SPRINKLER ASSEMBLY		
		1"	1-1/4"	1-1/2"			TREE WELL	POP UP	RISER
		LF	LF	LF					
		EA	EA	EA					
A	1	252	68					36	
	2	140		26				46	
	3	140		26				45	
	4	350		20				46	
	5	82				15	4		
	6	319	65	15		17		53	
	7	403	8	174				54	
	8	560					18		
	9	281	127					48	
	10	136					8		
	11	451		61				52	
	12	280	141	13				53	
	13	123	91					48	
	14	123	91					48	
	15	123	91					48	
	16	375	53					50	
	17	122					4		
	18	102					6		
	19	328	40	14				45	
	20	140	37	55				53	
	21	140	37	55				54	
	22	250	122	19				50	
	23	315					18		
	24	450	122	96				50	
	25	417		115				40	
	26	305	86	61				47	
	27	325	50	104				46	
	28	332		67				30	
	29	489					16		
	30	124	31					37	
	31	124	31					42	
	32	273	128	15				46	
	33	243	78	31				43	
	34	106				22	6		
	35	485	29	17		22		48	
	36	317	26	143	1	70		45	
	37	139	153		1	70		40	
	38	139	153		1	70		41	
	39	275	14	16				54	
	40	295					24		
	41	294	213		1	25		40	
	42	438	39	50		25		45	
	43	342	155		1	25		41	
	44	109	25	51				47	
	45	109	25	51				48	
SUBTOTAL A	11,665	2,329	1,295	5	361	104	70	1,589	

CONTROLLER LETTER	VALVE NUMBER	PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)			CHECK VALVE	PVC PIPE CONDUIT SLEEVE (SCH 80)	SPRINKLER ASSEMBLY		
		1"	1-1/4"	1-1/2"			TREE WELL	POP UP	RISER
		LF	LF	LF					
		EA	EA	EA					
B	1	354	97	72				47	
	2	422					18		
	3	385	40	65		22		45	
	4	452	35	81		15		46	
	5	313	71	21				49	
	6	342	50	171				49	
	7	513	55					26	
	8	68	174					40	
	9	68	174					40	
	10	68	174					40	
	11	68	174					40	
	12	916	21				28		
	13	327	222	354				48	
	14	200	313					30	
	15	174	377					30	
	16	390					10		
	17	464	9	100				49	
	18	292	19					33	
	19	142		134				52	
	20	142		134				52	
	21	248	110	101				47	
	22	356	19					42	
	23	144	18					49	
	24	144	18					49	
	25	144	18					49	
	26	144	18					49	
	27	309	29					42	
	28	235					14		
	29		175					40	
	30	181	39	78				50	
	31	134					6		
	32	264	39	18				50	
	33	121	23					42	
	34	121	23					43	
	35	343	60	173				37	
	36	372		20				48	
	37	255	203					45	
	38	190					10		
	39	272	96		1			41	
	40	429		98	1	37		51	
	41	107	81		1	37		35	
	42	107	81		1	37		36	
SUBTOTAL B	1,0720	3,055	1,620	4	178	86	85	1,476	
SUBTOTAL A	11,665	2,329	1,295	5	361	104	70	1,589	
TOTAL	22,385	5,384	2,915	9	539	190	155	3,065	

**IRRIGATION QUANTITIES
IQ-1**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	230	358

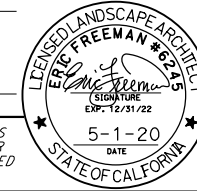
Eric Freeman
LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EMERALD DESIGN
305 N. HARBOR BLVD. SUITE 222
FULLERTON, CA 92832

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



5-1-20
DATE

NOTES:

1. ALL IRRIGATION EQUIPMENT WITHIN MORENO VALLEY RIGHT OF WAY TO CONFORM TO CITY STANDARDS.
2. ALL IRRIGATION EQUIPMENT TO BE PURPLE IDENTIFYING RECLAIMED WATER.

IRRIGATION QUANTITY (MAIN SUPPLY SIDE OF CONTROL VALVE)

SHEET No.	IRRIGATION CONTROLLER		BACKFLOW PREVENTER ASSEMBLY	BACKFLOW PREVENTER ENCLOSURE	FLOW SENSOR	VALVE (SUPPLY LINE)					PLASTIC PIPE (CLASS 315)	CHDPE	RELOCATE BACKFLOW PREVENTOR ASSEMBLY	CONTROL AND NEUTRAL CONDUCTORS (ARMOR-CLAD)
	ENCLOSURE CABINET	48 STATION (WALL MOUNTED)												
	EA	EA				EA	EA	EA	EA	EA				
IP-1	-	-	-	-	-	-	-	-	-	-	-	0	-	-
IP-2	1	1	1	1	1	8	37	1	11	8	2,100	303	1	1
IP-3	1	1	-	-	-	5	37	-	9	8	2,374	285	-	-
IP-4	-	-	-	-	-	-	4	-	1	-	-	-	-	-
IP-5	-	-	-	-	-	2	-	-	1	-	50	-	-	-
TOTAL	2	2	1	1	1	15	78	1	22	16	4,524	588	1	1

IRRIGATION QUANTITY (MAIN SUPPLY SIDE OF CONTROL VALVE) CITY R/W

SHEET NO.	IRRIGATION CONTROLLER	REMOTE CONTROL VALVE	REMOTE CONTROL VALVE FOR DRIP SYSTEMS	BALL VALVE
EA	EA	EA	EA	EA
IP-5	G (EXISTING)	1	1	1
TOTAL		1	1	1

IRRIGATION QUANTITY (LATERAL SUPPLY SIDE OF CONTROL VALVE) CITY R/W

CONTROLLER LETTER	VALVE NUMBER	PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) (PURPLE)	DRIPPERLINE	AUTOMATIC FLUSH VALVE (FOR DRIPPERLINE)	AIR/VACUUM RELIEF VALVE	DEEP WELL TREE IRRIGATION
EA	EA	EA	EA	EA	EA	EA
EXISTING	E1	150	1644	2	1	
	E2	150				2
TOTAL		300	1644	2	1	2

IRRIGATION QUANTITIES IQ-2



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	231	358

LICENSED LANDSCAPE ARCHITECT

EMERALD DESIGN
305 N. HARBOR BLVD. SUITE 222
FULLERTON, CA 92832

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

EMERALD FREEMAN
5-1-20
DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

SYMBOL	DESCRIPTION	SOURCE	MODEL NO.
	WATER METER	EMWD	--
	CONTROL VALVE:	RAIN BIRD	PEB
	BRASS FLOW SENSOR	CALSENSE	FM-1B
	REDUCED PRESSURE BACKFLOW PREVENTER WITH LOCKABLE ENCLOSURE	FEBCO	825 YA WITH SBBC-45
	IRRIGATION CONTROLLER W/ WEATHERPROOF ENCLOSURE, PEDESTAL AND YAGI ANTENNA (ICC-B TO BE THE PARENT CONTROLLER)	CALSENSE	CS3000
	CLASS 315 PVC MAINLINE	--	--
	SCH 40 PVC LATERAL PIPING	--	--
	CONTROL AND NEUTRAL CONDUCTOR	--	--
	SHRUB BUBBLER	--	--
	POP UP SPRINKLER'S	--	--
	POP UP SPRINKLER'S	--	--
	TREE BUBBLER	--	--
	IN LINE CHECK VALVE SIZE TO PIPE	--	--
	BALL VALVE	--	--
	GATE VALVE	--	--
	YAGI ANTENNA	--	--

AVAILABLE WATER CALCULATIONS

PRESSURE ZONE HWL/NEAREST TANK: 1967-K-OLIVER
 HEIGHT OR NEAREST TANK IN PZ (ft): 33
 DATE TEST: 10/14/2019
 APN or TRACT: NEAR APN 488-390-024, WS 2019-1151
 STATIC PRESSURE AVAILABLE= 66-70 PSI @ POC
 CONTACT: EASTERN MUNICIPAL WATER DISTRICT (EMWD): (951) 928-3777
 MAXIMUM SYSTEM FLOW @ STATION B-13= 34.00

WORST CASE PRESSURE CALCULATIONS POC
 26.00 GPM @ STATION B-20

2" WATER METER	0.70
2" BACKFLOW PREVENTER	12.00
375' OF 3" MAINLINE	.34
1-1/2" CONTROL VALVE	4.00
2" MASTER VALVE	4.80
150' OF LATERAL LINE	3.75
ELEVATION - 9'	3.90
TOTAL PSI LOSS	29.49
25% FITTING	7.37
PSI REQUIRED @ HEAD	30.00

TOTAL PSI REQUIRED @ POC: 62.86

NOTE:
 WATER BUDGET IS CALCULATED FOR NEW PLANT INSTALLATIONS WHERE NEW IRRIGATION EQUIPMENT IS TO BE INSTALLED.

SECTION A: WATER BUDGET CALCULATION

SECTION A1: MAXIMUM WATER ALLOWANCE (MAWA)

$$MAWA = (ET_o - E_{pp}) \cdot (0.62) \cdot [(ETAF \cdot LA) + (0.3 \cdot SLA)]$$

$$= ((56.4 - (6.45 \cdot 25)) \cdot (0.62)) \cdot [(0.45 \cdot 245,291) + ((0.3 \cdot 235,428))]$$

$$= (55.40) \cdot [(218,271.60)]$$

$$= 12,092,247 \text{ GALLONS PER YEAR}$$

E_{pp} - EFFECTIVE PRECIPITATION (25% ANNUAL PRECIPITATION)
 E_{to} - REFERENCE EVAPOTRANSPIRATION
 ETAF - ET ADJUSTMENT FACTOR (0.7)
 LA - TOTAL LANDSCAPE AREA
 SLA - SPECIAL LANDSCAPE AREA (NOT APPLICABLE)
 0.62 - CONVERSION FACTOR (GAL/SQFT)
 0.3 - ADDITIONAL ET ADJUSTMENT FACTOR FOR SLA (NOT APPLICABLE)

SECTION A2: ESTIMATED TOTAL WATER USE (ETWU)

$$ETWU = (ET_o) \cdot (0.62) \cdot [(PF \cdot HA) / IE + SLA]$$

$$= (56.4) \cdot (0.62) \cdot [(0.3 \cdot 245,291) / .81 + 235,428]$$

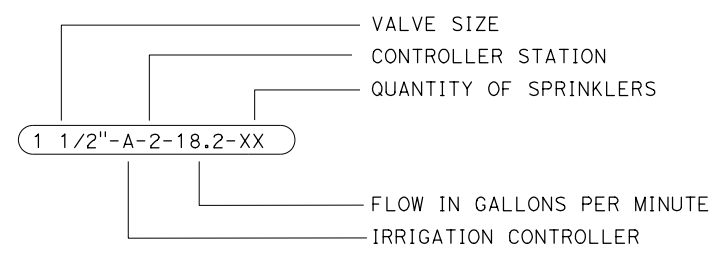
$$= (34.97) \cdot [(90,848.52) + 235,428]$$

$$= (34.97) \cdot (326,276.52)$$

$$= 11,409,889 \text{ GALLONS}$$

E_{to} - REFERENCE EVAPOTRANSPIRATION
 PF - PLANT FACTOR (WUCOLS III)
 HA - HYDROZONE AREA (SQFT)
 IE - IRRIGATION EFFICIENCY (Min 0.71)
 SLA - SPECIAL LANDSCAPE AREA (SQFT) - NOT APPLICABLE
 0.62 - CONVERSION FACTOR (GAL/SQFT)

VALVE CALLOUT LEGEND



IRRIGATION LEGEND & WATER DEMAND CALCULATIONS
IQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans

REVISOR BY: SAMUEL MEJIA
 DATE REVISOR: KEN LUDINGTON

CALCULATED/DESIGNED BY: CHARLES SEAMONS LAMB
 CHECKED BY:

CONSULTANT SENIOR LANDSCAPE ARCHITECT


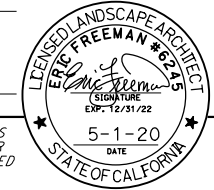
BORDER LAST REVISED 7/2/2010






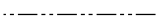



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT - SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED - DESIGNED BY
 CHECKED BY
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISED BY
 DATE REVISED

NOTES:

- ① CITY OF MORENO VALLEY
SEE STANDARD DETAIL ON SHEET ID-4
- ② CITY OF MORENO VALLEY
SEE STANDARD DETAIL ON SHEET ID-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	232	358

LICENSED LANDSCAPE ARCHITECT

 PLANS APPROVAL DATE

 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552


SYMBOL	DESCRIPTION	SOURCE	MODEL NO.
	SCRUBBER CONTROL VALVE (PURPLE)	①	--
	SCRUBBER DRIP CONTROL VALVE KIT WITH FILTER (PURPLE)	②	--
	BALL VALVE	②	--
	EXISTING 3" MAINLINE	EXISTING	EXISTING
	3/4" SCH 40 PVC SUPPLY LINE (LATERAL LINE)	--	--
	DRIP LINE	NETAFIM	TLRWP6-18
	AUTOMATIC FLUSH VALVE	NETAFIM	TL050MFV-1
	AIR RELIEF VALVE	NETAFIM	TLAVRV
	TREE WELL 36" DEEP ROOT WATERING SYSTEM WITH .5 GPM BUBBLER	RAINBIRD	RWSBC1402

IRRIGATION LEGEND (WITHIN CITY RIGHT OF WAY)

IQ-4

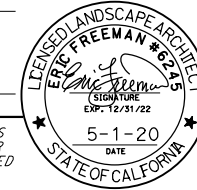


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	233	358


 LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552


IRRIGATION CONTROLLER CHART

METER	CONTROLLER	STATION	PLANT MATERIAL	CROP COEFFICIENT	TYPE	SPRINKLER TYPE	ZONE FLOW RATE	RUN TIME FOR IRRIGATION DAY (MINUTES)												STATION	PROGRAM		
								JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		A	B	C
A	1	1	SHRUB/GROUNDCOVER	L			18.00	6	6	6	8	8	9	10	10	9	9	8	6	1	X		
A	2	2	SHRUB/GROUNDCOVER	L		BUBBLER	23.00	6	6	6	8	8	9	10	10	9	9	8	6	2	X		
A	3	3	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	3	X		
A	4	4	SHRUB/GROUNDCOVER	L		BUBBLER	23.00	6	6	6	8	8	9	10	10	9	9	8	6	4	X		
A	5	5	TREE	L		BUBBLER	2.00	6	6	6	8	8	9	10	10	9	9	8	6	5		X	
A	6	6	SHRUB/GROUNDCOVER	L		BUBBLER	26.50	6	6	6	8	8	9	10	10	9	9	8	6	6	X		
A	7	7	SHRUB/GROUNDCOVER	L		BUBBLER	27.00	6	6	6	8	8	9	10	10	9	9	8	6	7	X		
A	8	8	TREE	L		BUBBLER	9.00	6	6	6	8	8	9	10	10	9	9	8	6	8		X	
A	9	9	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	9	X		
A	10	10	TREE	L		BUBBLER	4.00	6	6	6	8	8	9	10	10	9	9	8	6	10		X	
A	11	11	SHRUB/GROUNDCOVER	L		BUBBLER	26.00	6	6	6	8	8	9	10	10	9	9	8	6	11	X		
A	12	12	SHRUB/GROUNDCOVER	L		BUBBLER	26.50	6	6	6	8	8	9	10	10	9	9	8	6	12	X		
A	13	13	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	13	X		
A	14	14	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	14	X		
A	15	15	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	15	X		
A	16	16	SHRUB/GROUNDCOVER	L		BUBBLER	25.00	6	6	6	8	8	9	10	10	9	9	8	6	16	X		
A	17	17	TREE	L		BUBBLER	2.00	6	6	6	8	8	9	10	10	9	9	8	6	17		X	
A	18	18	TREE	L		BUBBLER	3.00	6	6	6	8	8	9	10	10	9	9	8	6	18		X	
A	19	19	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	19	X		
A	20	20	SHRUB/GROUNDCOVER	L		BUBBLER	26.50	6	6	6	8	8	9	10	10	9	9	8	6	20	X		
A	21	21	SHRUB/GROUNDCOVER	L		BUBBLER	27.00	6	6	6	8	8	9	10	10	9	9	8	6	21	X		
A	22	22	SHRUB/GROUNDCOVER	L		BUBBLER	25.00	6	6	6	8	8	9	10	10	9	9	8	6	22	X		
A	23	23	TREE	L		BUBBLER	9.00	6	6	6	8	8	9	10	10	9	9	8	6	23		X	
A	24	24	SHRUB/GROUNDCOVER	L		BUBBLER	25.00	6	6	6	8	8	9	10	10	9	9	8	6	24			
A	25	25	HYDROSEED	L		SPRAY	28.08	10	10	10	13	13	15	20	20	15	15	10	10	25			X
A	26	26	SHRUB/GROUNDCOVER	L		BUBBLER	23.50	6	6	6	8	8	9	10	10	9	9	8	6	26	X		
A	27	27	SHRUB/GROUNDCOVER	L		BUBBLER	23.50	6	6	6	8	8	9	10	10	9	9	8	6	27	X		
A	28	28	HYDROSEED	L		SPRAY	20.68	10	10	10	13	13	15	20	20	15	15	10	10	28			X
A	29	29	TREE	L		BUBBLER	8.00	6	6	6	8	8	9	10	10	9	9	8	6	29		X	
A	30	30	SHRUB/GROUNDCOVER	L		BUBBLER	18.50	6	6	6	8	8	9	10	10	9	9	8	6	30	X		
A	31	31	SHRUB/GROUNDCOVER	L		BUBBLER	21.00	6	6	6	8	8	9	10	10	9	9	8	6	31	X		
A	32	32	SHRUB/GROUNDCOVER	L		BUBBLER	23.00	6	6	6	8	8	9	10	10	9	9	8	6	32	X		
A	33	33	SHRUB/GROUNDCOVER	L		BUBBLER	21.50	6	6	6	8	8	9	10	10	9	9	8	6	33	X		
A	34	34	TREE	L		BUBBLER	3.00	6	6	6	8	8	9	10	10	9	9	8	6	34		X	
A	35	35	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	35	X		
A	36	36	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	36	X		
A	37	37	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	37	X		
A	38	38	SHRUB/GROUNDCOVER	L		BUBBLER	20.50	6	6	6	8	8	9	10	10	9	9	8	6	38	X		
A	39	39	SHRUB/GROUNDCOVER	L		BUBBLER	27.00	6	6	6	8	8	9	10	10	9	9	8	6	39	X		
A	40	40	TREE	L		BUBBLER	12.00	6	6	6	8	8	9	10	10	9	9	8	6	40		X	
A	41	41	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	41	X		
A	42	42	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	42	X		
A	43	43	SHRUB/GROUNDCOVER	L		BUBBLER	20.50	6	6	6	8	8	9	10	10	9	9	8	6	43	X		
A	44	44	SHRUB/GROUNDCOVER	L		BUBBLER	23.50	6	6	6	8	8	9	10	10	9	9	8	6	44	X		
A	45	45	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	45	X		

TOTAL (MINUTES) 278 278 278 370 370 417 470 470 417 417 364 278

IRRIGATION CONTROLLER CHART

IQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION


CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB


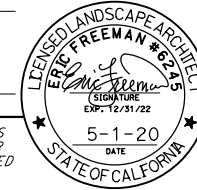
CALCULATED - DESIGNED BY
 CHECKED BY

SAMUEL MEJIA
 KEN LUDINGTON

REVISIED BY
 DATE REVISED

LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:37


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	234	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____

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 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

IRRIGATION CONTROLLER CHART

METER	CONTROLLER	STATION	PLANT MATERIAL	CROP COEFFICIENT	TYPE	SPRINKLER TYPE	ZONE FLOW RATE	RUN TIME FOR IRRIGATION DAY (MINUTES)												STATION	PROGRAM		
								JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		A	B	C
B		1	SHRUB/GROUNDCOVER	L			23.50	6	6	6	8	8	9	10	10	9	9	8	6	1	X		
B		2	TREE	L		BUBBLER	9.00	6	6	6	8	8	9	10	10	9	9	8	6	2		X	
B		3	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	3	X		
B		4	SHRUB/GROUNDCOVER	L		BUBBLER	23.00	6	6	6	8	8	9	10	10	9	9	8	6	4	X		
B		5	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	5	X		
B		6	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	6	X		
B		7	SHRUB/GROUNDCOVER	L		BUBBLER	23.00	6	6	6	8	8	9	10	10	9	9	8	6	7	X		
B		8	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	8	X		
B		9	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	9	X		
B		10	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	10	X		
B		11	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	11	X		
B		12	TREE	L		BUBBLER	14.00	6	6	6	8	8	9	10	10	9	9	8	6	12		X	
B		13	HYDROSEED	L		SPRAY	34.00	10	10	10	13	13	15	20	20	15	15	10	10	13			X
B		14	SHRUB/GROUNDCOVER	L		BUBBLER	15.00	6	6	6	8	8	9	10	10	9	9	8	6	14	X		
B		15	SHRUB/GROUNDCOVER	L		BUBBLER	15.00	6	6	6	8	8	9	10	10	9	9	8	6	15	X		
B		16	TREE	L		BUBBLER	5.00	6	6	6	8	8	9	10	10	9	9	8	6	16		X	
B		17	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	17	X		
B		18	SHRUB/GROUNDCOVER	L		BUBBLER	16.50	6	6	6	8	8	9	10	10	9	9	8	6	18	X		
B		19	SHRUB/GROUNDCOVER	L		BUBBLER	26.00	6	6	6	8	8	9	10	10	9	9	8	6	19	X		
B		20	SHRUB/GROUNDCOVER	L		BUBBLER	26.00	6	6	6	8	8	9	10	10	9	9	8	6	20	X		
B		21	SHRUB/GROUNDCOVER	L		BUBBLER	23.50	6	6	6	8	8	9	10	10	9	9	8	6	21	X		
B		22	SHRUB/GROUNDCOVER	L		BUBBLER	21.00	6	6	6	8	8	9	10	10	9	9	8	6	22	X		
B		23	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	23	X		
B		24	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	24	X		
B		25	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	25	X		
B		26	SHRUB/GROUNDCOVER	L		BUBBLER	24.50	6	6	6	8	8	9	10	10	9	9	8	6	26	X		
B		27	SHRUB/GROUNDCOVER	L		BUBBLER	21.00	6	6	6	8	8	9	10	10	9	9	8	6	27	X		
B		28	TREE	L		BUBBLER	7.00	6	6	6	8	8	9	10	10	9	9	8	6	28		X	
B		29	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	29	X		
B		30	SHRUB/GROUNDCOVER	L		BUBBLER	25.00	6	6	6	8	8	9	10	10	9	9	8	6	30	X		
B		31	TREE	L		BUBBLER	3.00	6	6	6	8	8	9	10	10	9	9	8	6	31		X	
B		32	SHRUB/GROUNDCOVER	L		BUBBLER	25.00	6	6	6	8	8	9	10	10	9	9	8	6	32	X		
B		33	SHRUB/GROUNDCOVER	L		BUBBLER	21.00	6	6	6	8	8	9	10	10	9	9	8	6	33	X		
B		34	SHRUB/GROUNDCOVER	L		BUBBLER	21.50	6	6	6	8	8	9	10	10	9	9	8	6	34	X		
B		35	HYDROSEED	L		SPRAY	25.86	10	10	10	13	13	15	20	20	15	15	10	10	35			X
B		36	SHRUB/GROUNDCOVER	L		BUBBLER	24.00	6	6	6	8	8	9	10	10	9	9	8	6	36	X		
B		37	SHRUB/GROUNDCOVER	L		BUBBLER	22.50	6	6	6	8	8	9	10	10	9	9	8	6	37	X		
B		38	TREE	L		BUBBLER	5.00	6	6	6	8	8	9	10	10	9	9	8	6	38		X	
B		39	SHRUB/GROUNDCOVER	L		BUBBLER	20.00	6	6	6	8	8	9	10	10	9	9	8	6	39	X		
B		40	SHRUB/GROUNDCOVER	L		BUBBLER	25.50	6	6	6	8	8	9	10	10	9	9	8	6	40	X		
B		41	SHRUB/GROUNDCOVER	L		BUBBLER	17.00	6	6	6	8	8	9	10	10	9	9	8	6	41	X		
B		42	SHRUB/GROUNDCOVER	L		BUBBLER	18.50	6	6	6	8	8	9	10	10	9	9	8	6	42	X		

TOTAL (MINUTES) 260 260 260 346 346 390 440 440 390 390 340 260


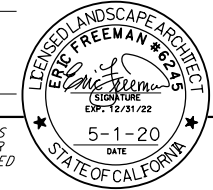
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

 CONSULTANT - SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED - DESIGNED BY
 CHECKED BY
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISOR BY
 DATE REVISOR

IRRIGATION CONTROLLER CHART

IQ-6











LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:38

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	235	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____

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 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

- PLANTING REQUIREMENTS:
- ① AS SHOWN ON PROJECT PLAN
 - ② SUFFICIENT TO RECEIVE ROOT BALL
 - ③ 2X ROOT BALL WIDTH
- 4 UNDERLINED PORTIONS OF COMMON NAME AND BOTANICAL NAME INDICATE ABBREVIATION USED ON PLANTING PLAN.

PLANT LEGEND

PLANT GROUP (SIZE)	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	HOLE SIZE		BASIN TYPE	APPLICATION RATES				MINIMUM PLANTING DISTANCE FROM							REMARKS
					DIAMETER	DEPTH		PACKET FERTILIZER	SOIL AMENDMENT	IRON SULFATE	SLOW RELEASE FERTILIZER	ON CENTER SPACING	ETW	EP	FENCE	WALL	PAVED DITCH	EARTH DITCH	
					INCH	INCH													
K 24" BOX	1		<u>CASSIA</u> <u>LEPTOPHYLLA</u>	GOLD MEDALLION TREE	③	②	I	6	2.7	8	6.4	①	30		6	6	6	8	TREE
	2		<u>CERCIDIUM</u> <u>FLORIDUM</u> 'DESERT MUSEUM'	PALO VERDE	③	②	I	6	2.7	8	6.4	①	30		15	15	15	15	STANDARD TRUNK TREE
	3		<u>EUCALYPTUS</u> <u>SIDEROXYLON</u>	RED IRONBARK	③	②	I	6	2.7	8	6.4	①	30		15	15	15	17	TREE
	4		<u>PINUS</u> <u>ELDARICA</u>	AFGHAN PINE	③	②	I	6	2.7	8	6.4	①	30		15	15	15	17	TREE
B (No. 5)	5		<u>ACACIA</u> <u>REDOLENS</u> 'DESERT CARPET'	PROSTRATE ACACIA	③	②	II	2	1	3	1.6	15	20		15	15	15	17	SHRUB
	6		<u>BACCHARIS</u> <u>PILULARIS</u> 'PIGEON POINT'	DWARF COYOTE BRUSH	③	②	II	2	1	3	1.6	8		15	6	6	10	10	SHRUB
	7		<u>CALYLOPHUS</u> <u>BERLANDIERI</u>	BERLANDIER'S SUNDROPS	③	②	II	2	1	3	1.6	8		6	6	6	6	8	SHRUB
	8		<u>ROSMARINUS</u> <u>OFFICINALIS</u> 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	③	②	II	2	1	3	1.6	10		10	6	6	8	8	SHRUB
	9		<u>BOUGAINVILLEA</u> <u>BRASILIENSIS</u> 'RASPBERRY ICE'	BOUGAINVILLEA	③	②	II	2	1	3	1.6	3		10	6	6	6	8	SHRUB
			<u>CALLISTEMON</u> <u>VIMINALIS</u> 'LITTLE JOHN'	BOTTLEBRUSH	③	②	II	2	1	3	1.6	3		10	15	15	15	17	SHRUB

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans®
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED-DESIGNED BY
 CHECKED BY
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISOR BY
 DATE REVISOR

PLANT LEGEND PL-1

LAST REVISION DATE PLOTTED => 17-AUG-2020 TIME PLOTTED => 16:39

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SHOULDER PROTECTION, SEE ROADWAY PLANS.

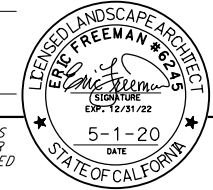
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	236	358

Eric Freeman
 LICENSED LANDSCAPE ARCHITECT

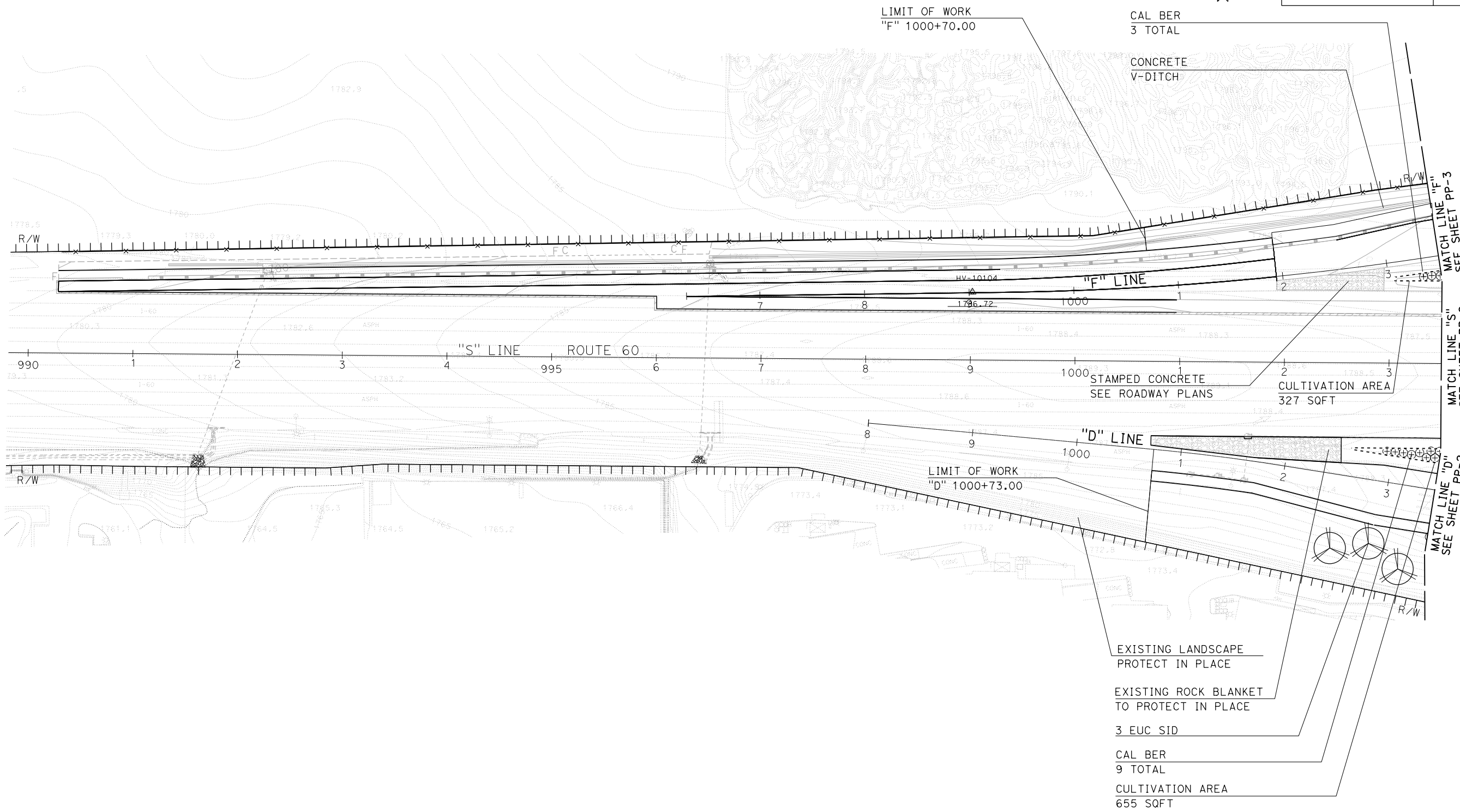
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SENIOR LANDSCAPE ARCHITECT	CHECKED BY	REVISOR BY
Caltrans	CHARLES SEAMONS LAMB	KEN LUDINGTON	SAMUEL MEJIA



APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN


SCALE: 1" = 50'

PP-1

NOTES:

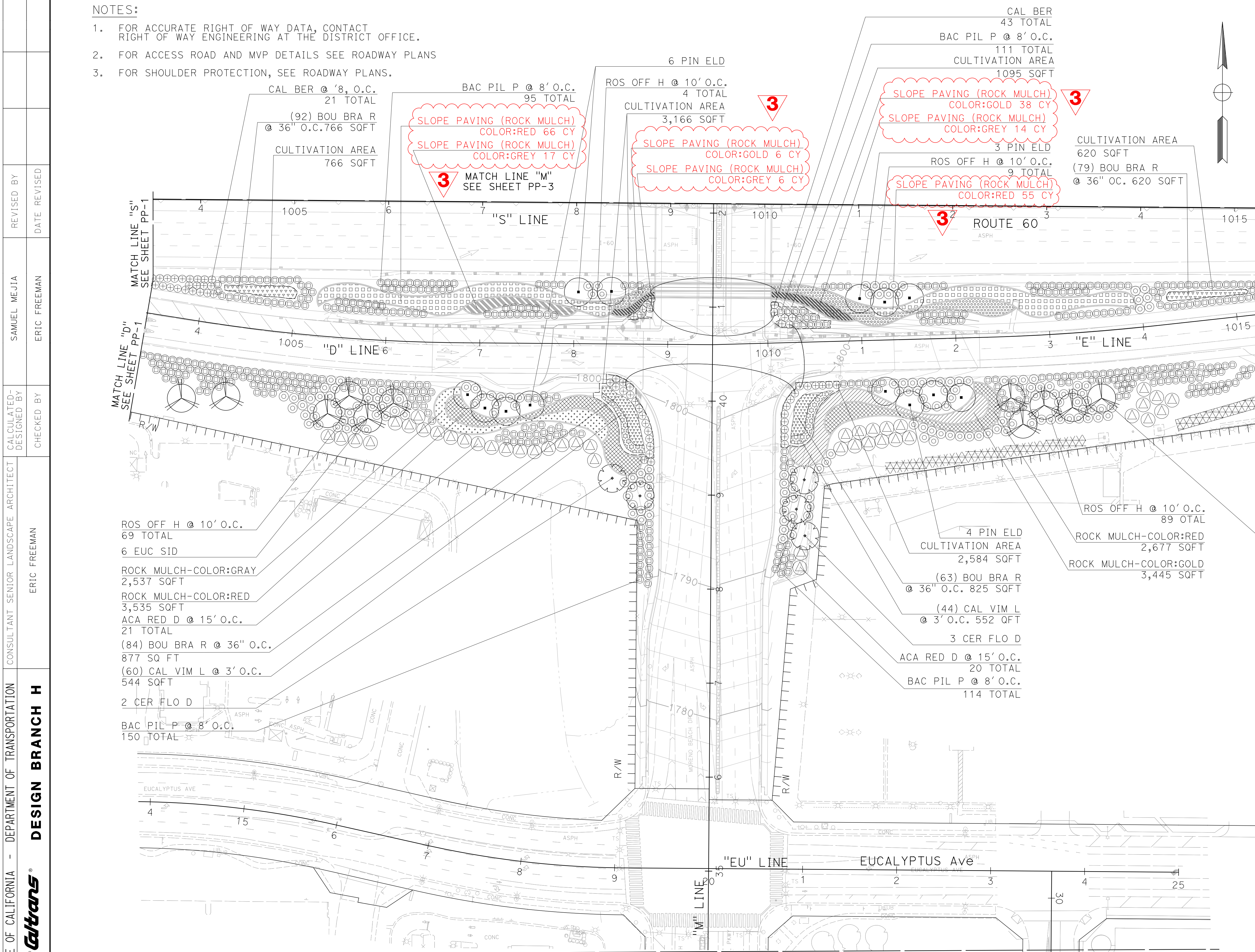
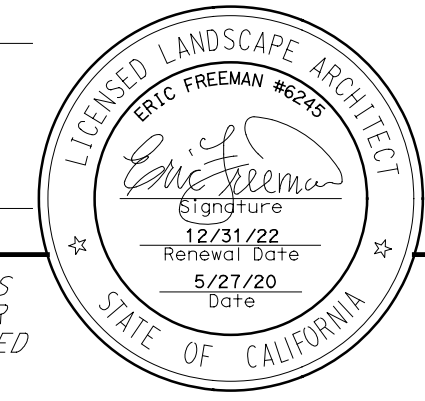
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR ACCESS ROAD AND MVP DETAILS SEE ROADWAY PLANS
- FOR SHOULDER PROTECTION, SEE ROADWAY PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	237	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
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 305 N. HARBOR BLVD, SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



3 REVISED PER ADDENDUM No. 3

MATCH LINE "M" SEE SHEET PP-5

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN
SCALE: 1" = 50'
PP-2


LAST REVISION DATE PLOTTED => 3/2/2021 10:00:00 AM TIME PLOTTED => 1:12:01 PM

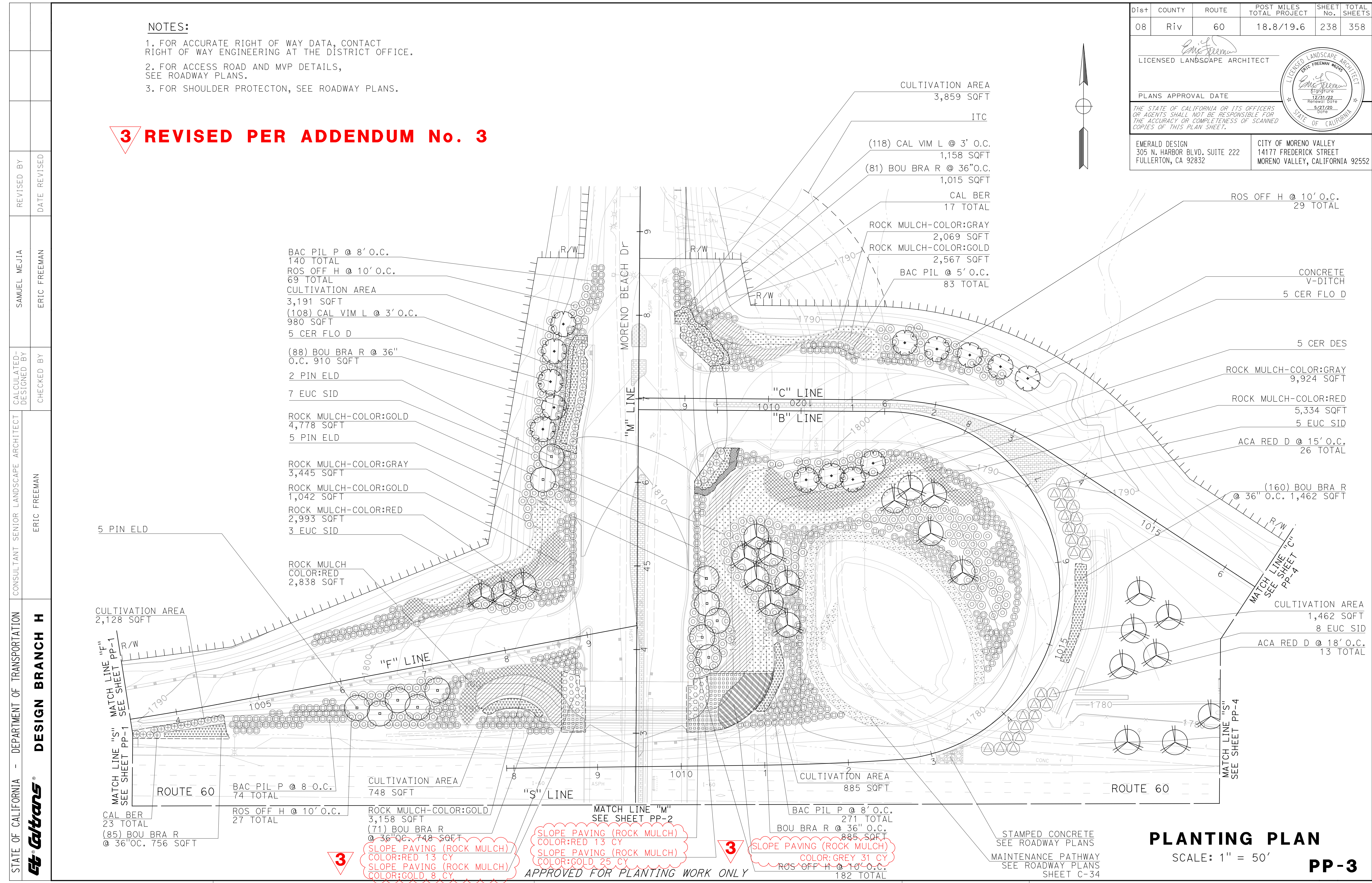
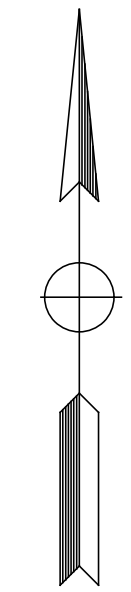
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR ACCESS ROAD AND MVP DETAILS, SEE ROADWAY PLANS.
3. FOR SHOULDER PROTECTON, SEE ROADWAY PLANS.

3 REVISED PER ADDENDUM No. 3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	238	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 EMERALD DESIGN
 305 N. HARBOR BLVD, SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT SENIOR LANDSCAPE ARCHITECT	ERIC FREEMAN	CALCULATED/DESIGNED BY	CHECKED BY	SAMUEL MEJIA	ERIC FREEMAN	REVISOR BY	DATE REVISED
--	-----------------	---------------------------------------	--------------	------------------------	------------	--------------	--------------	------------	--------------

3

3

SLOPE PAVING (ROCK MULCH)
 COLOR:RED 13 CY
 SLOPE PAVING (ROCK MULCH)
 COLOR:GOLD 25 CY
 SLOPE PAVING (ROCK MULCH)
 COLOR:RED 13 CY
 SLOPE PAVING (ROCK MULCH)
 COLOR:GOLD 8 CY

APPROVED FOR PLANTING WORK ONLY


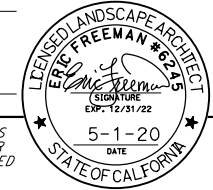
SLOPE PAVING (ROCK MULCH)
 COLOR:GREY 31 CY
 ROS OFF H @ 10' O.C.
 182 TOTAL

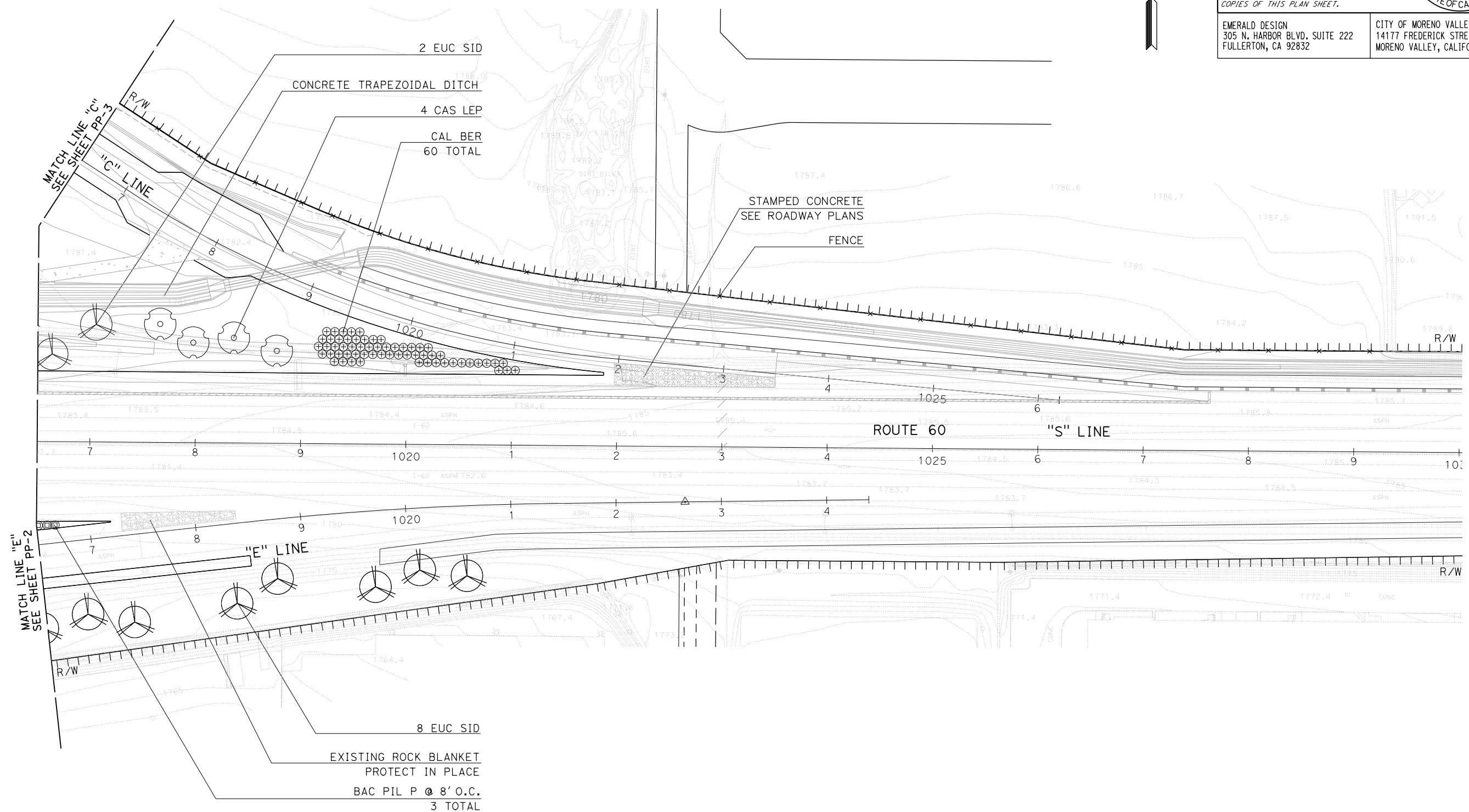
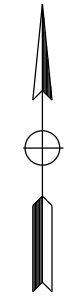
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 00-00-00 TIME PLOTTED => 1:32:53 PM

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR ACCESS ROAD AND MVP DETAILS, SEE ROADWAY PLANS
3. FOR SHOULDER PROTECTION, SEE ROADWAY PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	239	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
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 EMERALD DESIGN
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 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR
	CHARLES SEAMONS LAMB	CHECKED BY	DATE REVISED
		SAMUEL MEJIA	KEN LUDINGTON

APPROVED FOR PLANTING WORK ONLY

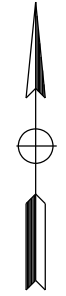
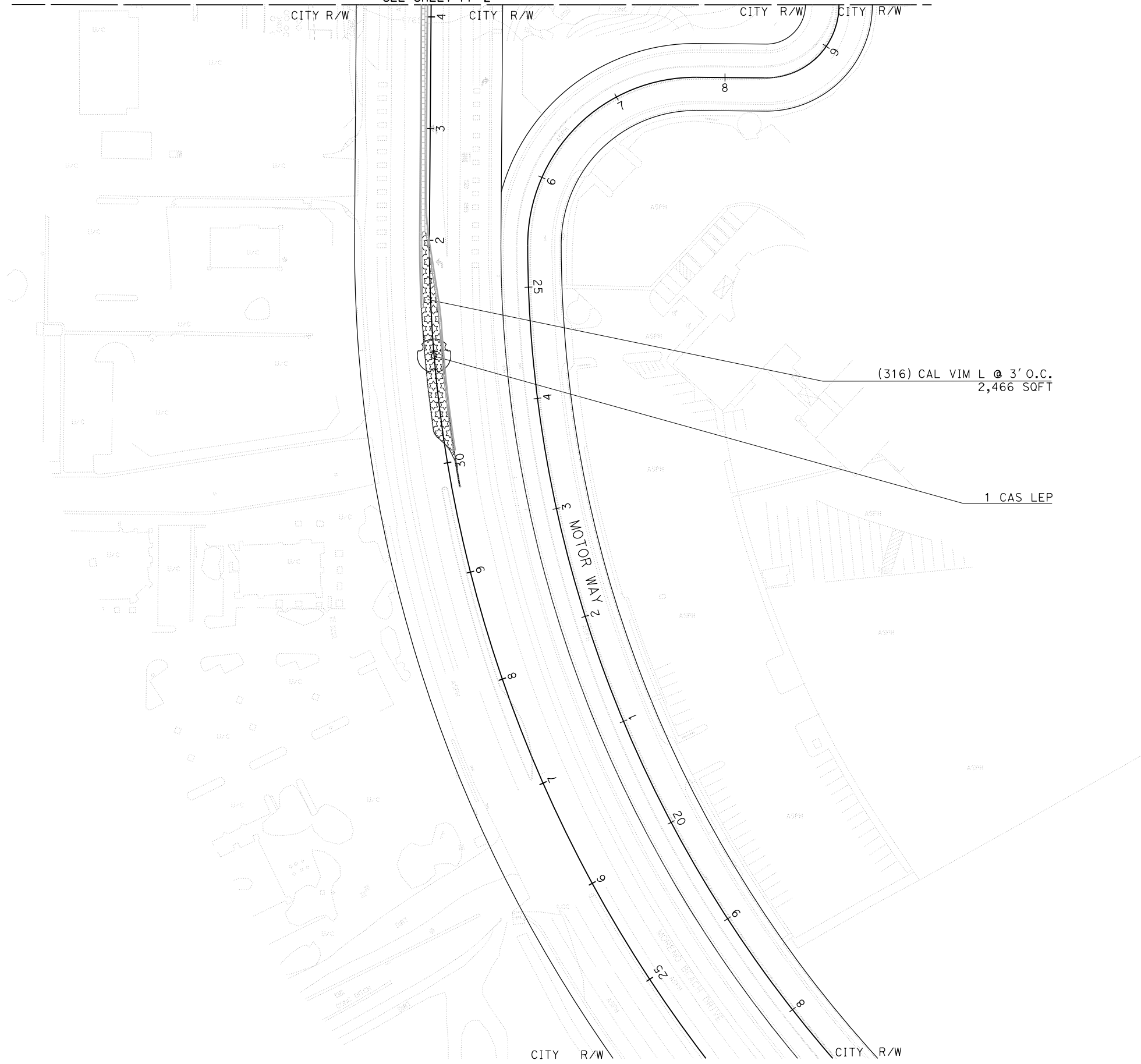
PLANTING PLAN
SCALE: 1" = 50' **PP-4**

LAST REVISION | DATE PLOTTED => 17-AUG-2020 | TIME PLOTTED => 16:45

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CHECKED BY
 KEN LUDINGTON
 DESIGNED BY
 SAMUEL MEJIA
 REVISIONS:
 REVISOR: KEN LUDINGTON
 DATE: 7/2/2010

NOTES:
 1. IMPROVEMENTS ARE OUTSIDE OF CALTRANS RIGHT-OF-WAY. TO BE MAINTAINED BY THE CITY.
 2. CONTRACTOR TO CONTACT AUTO MALL REPRESENTATIVE PRIOR TO INSTALLING REPLACEMENT IRRIGATION IN MEDIAN AND CONNECTION TO POC.

MATCH LINE "M"
 SEE SHEET PP-2



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	240	358

LICENSED LANDSCAPE ARCHITECT
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832


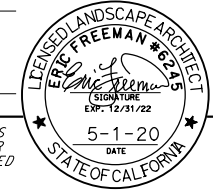
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

PLANS APPROVAL DATE
 5-1-20
 DATE

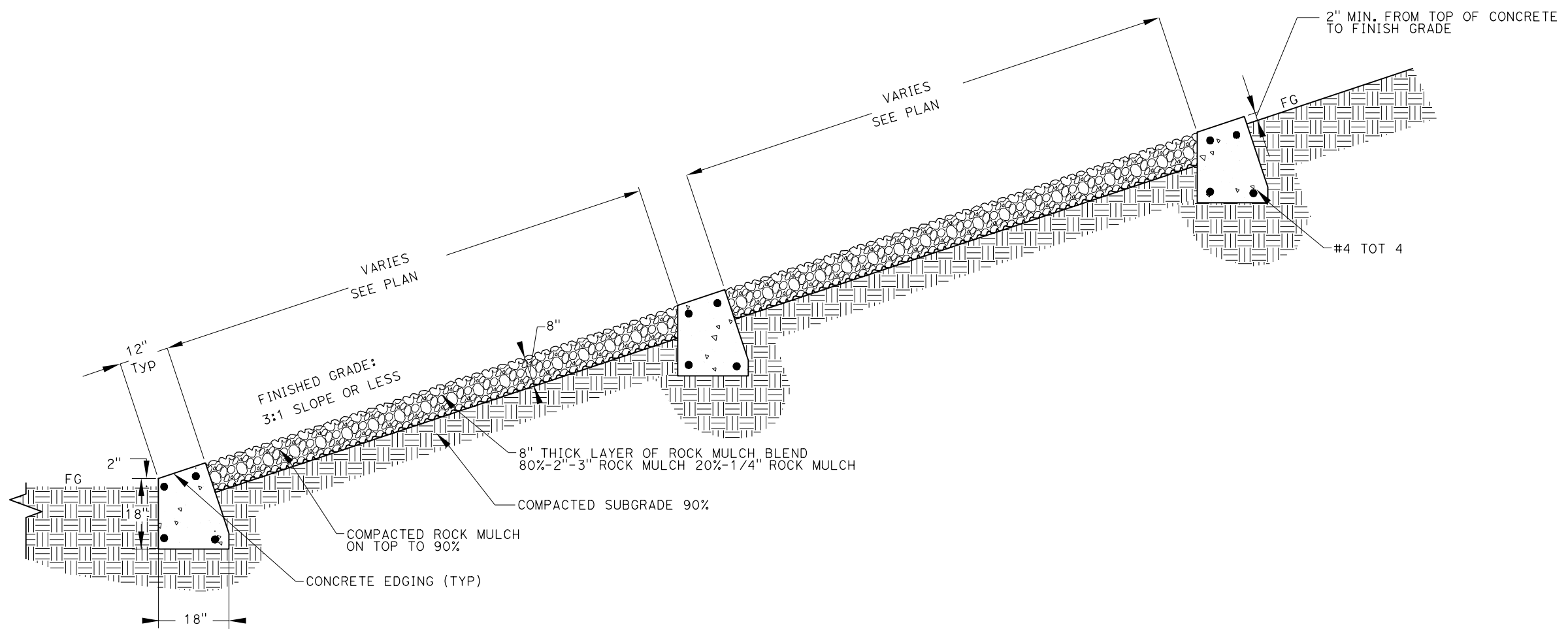
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PLANTING PLAN
 SCALE: 1" = 50'
PP-5

LAST REVISION DATE PLOTTED => 17-AUG-2020
 12-03-19 TIME PLOTTED => 16:47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	242	358
 LICENSED LANDSCAPE ARCHITECT					
					
PLANS APPROVAL DATE _____					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

- NOTES:**
1. ROCK MULCH SHALL BE A MIX OF 2-3" AND 1/4" ROCK MULCH. (80% 2-3" AND 20% 1/4")
 2. CONCRETE STRIPS LOCATED PER PLAN.
 3. WEAKENED PLANE JOINTS AT 6' INTERVALS.
 4. TIE REBAR INTO ADJACENT SLOPE PAVING WHERE OCCURS. SEE DETAIL PLD-1



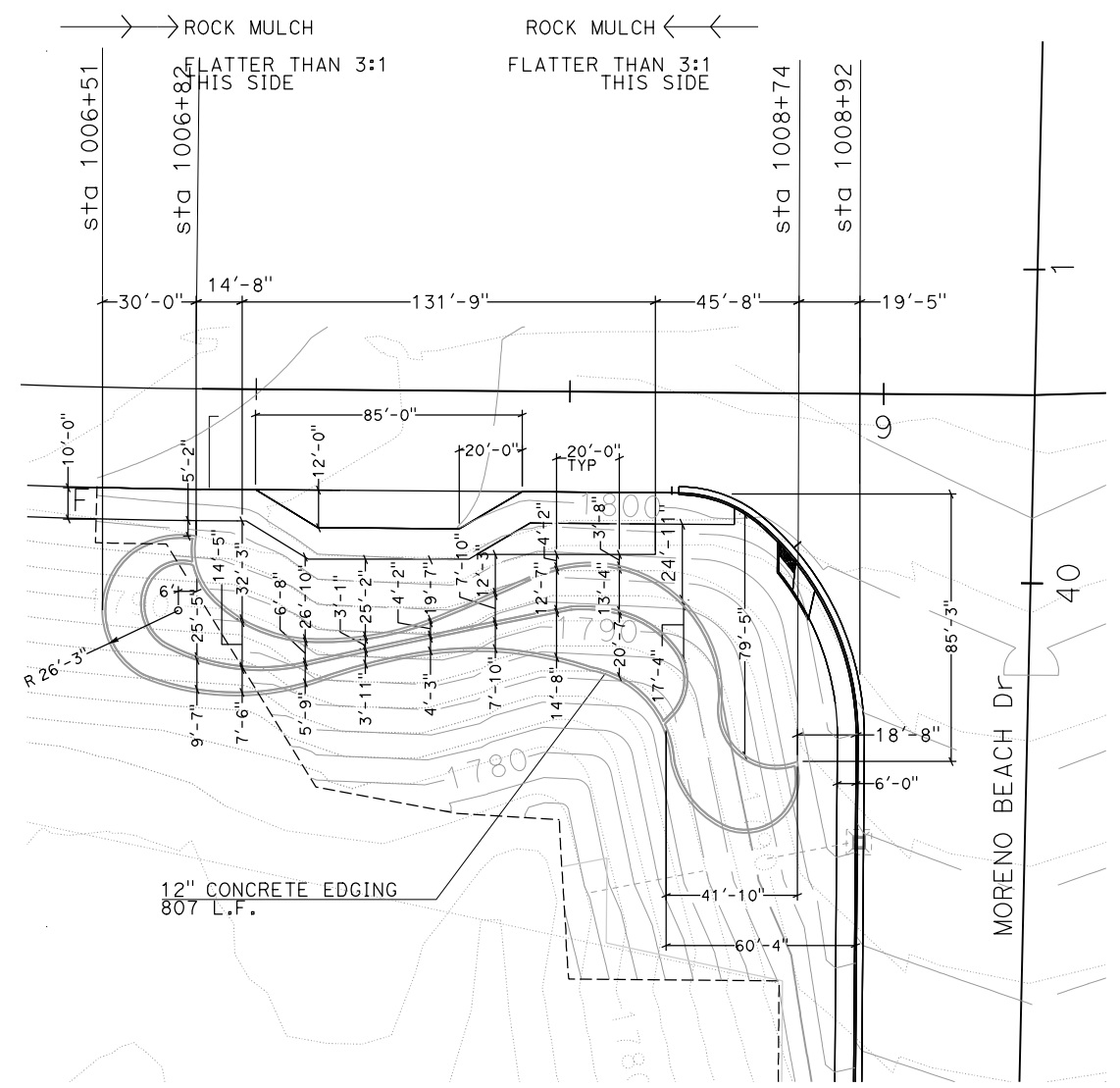
TYPICAL SECTION - ROCK MULCH
(SLOPES 3:1 OR FLATTER)
 NTS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CALCULATED/DESIGNED BY
 CHECKED BY
 SAMUEL MEJIA
 KEN LUDINGTON
 REVISOR BY
 DATE REVISED

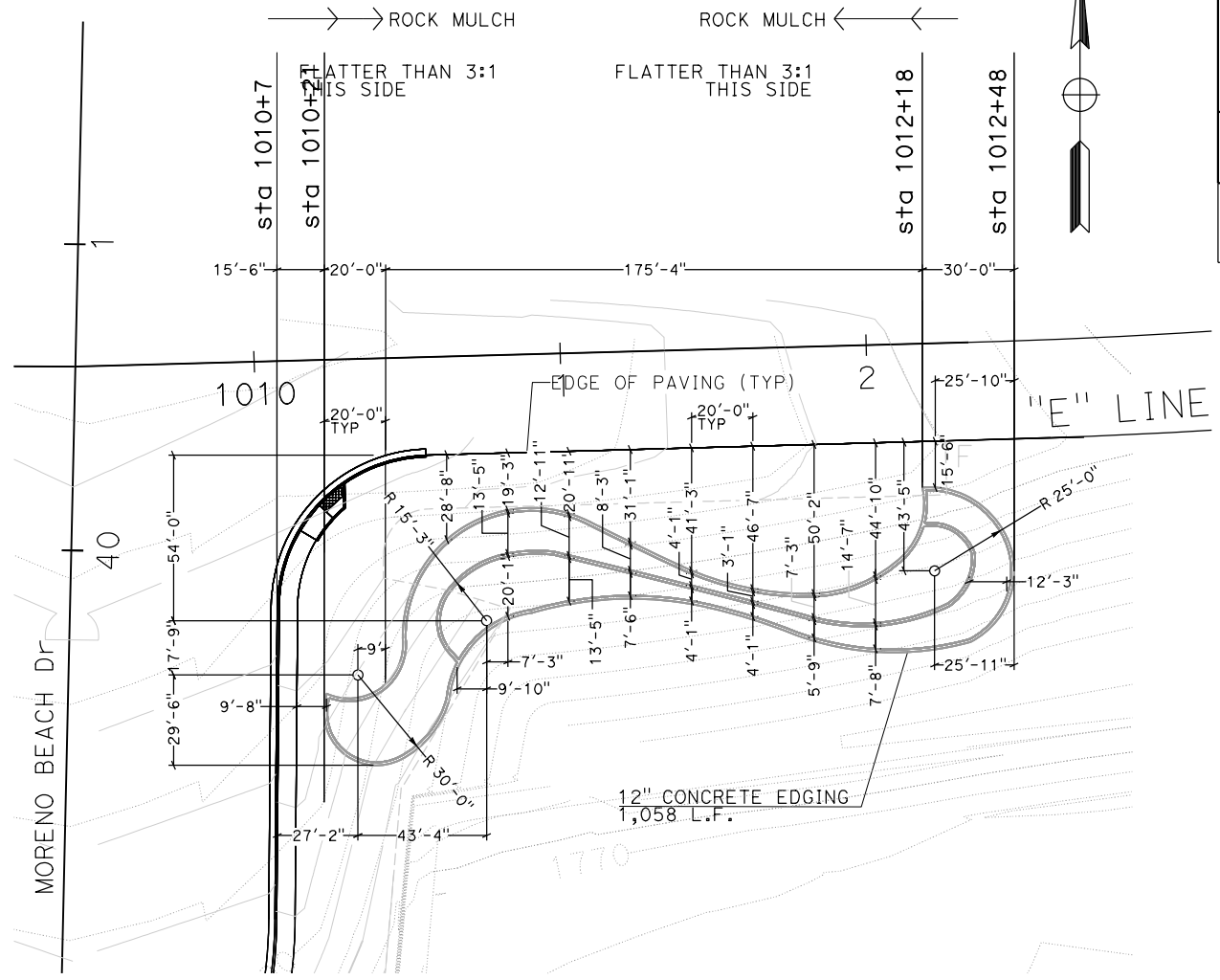
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 REVISIONS:
 REVISION NO. | DATE | BY | DESCRIPTION
 1 | 7/2/2010 | KEN LUDINGTON | CHECKED BY
 2 | | SAMUEL MEJIA | CALCULATED/DESIGNED BY
 3 | | KEN LUDINGTON | REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	243	358

LICENSED LANDSCAPE ARCHITECT
 EMERALD DESIGN
 305 N. HARBOR BLVD. SUITE 222
 FULLERTON, CA 92832
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



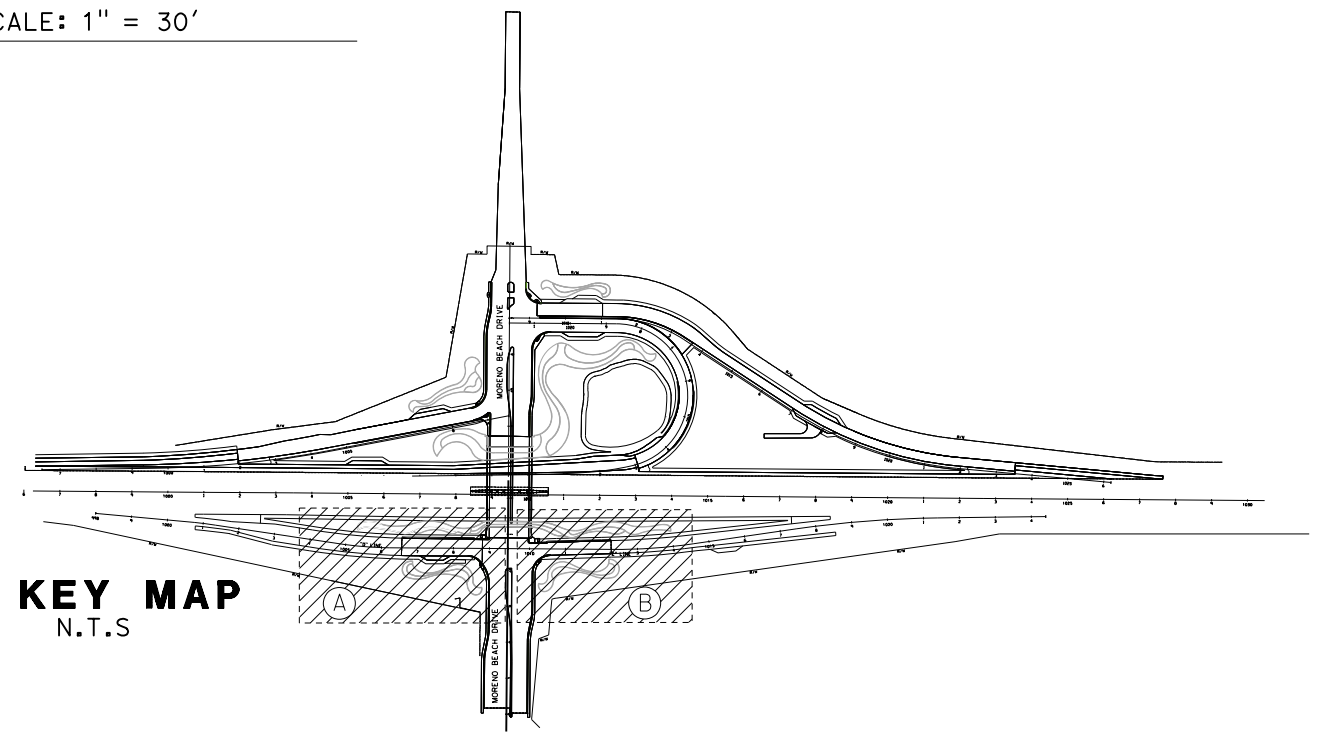
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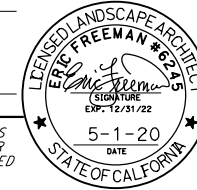
B SCALE: 1" = 30'

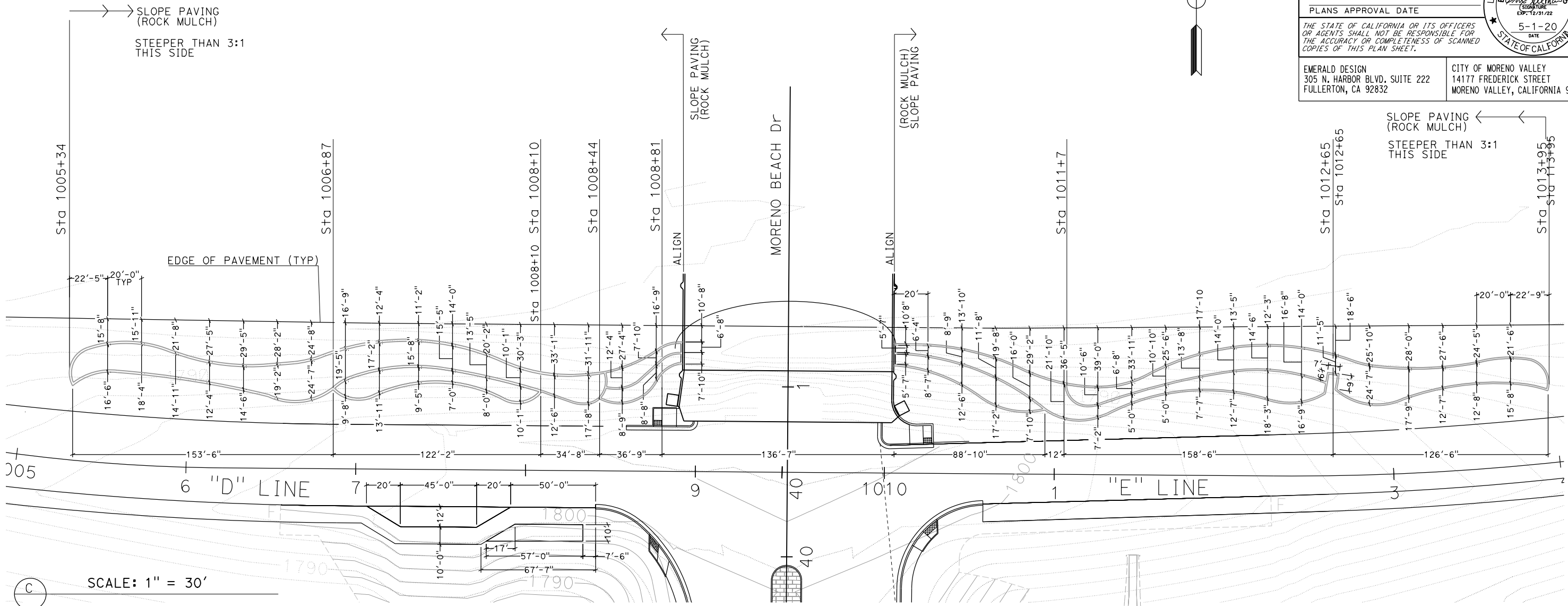
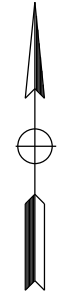
NOTES:

1. WORK ON SLOPES SHOWN ON THIS PAGE ARE FLATTER THAN 3:1 SEE DETAIL ON SHEET PLD-2.
2. DIMENSIONS INCLUDE A SLOPE FACTOR TO ACCOUNT FOR THE APPROXIMATE SLOPE THAT WILL BE CONSTRUCTED. ALL DIMENSIONS TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
3. SEE BRIDGE PLANS FOR SLOPE PAVING AT BRIDGE ABUTMENTS.



PLANTING DETAILS
 SCALE AS SHOWN
PLD-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	244	358
 LICENSED LANDSCAPE ARCHITECT					
					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
EMERALD DESIGN 305 N. HARBOR BLVD. SUITE 222 FULLERTON, CA 92832			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		




SCALE: 1" = 30'

- NOTES:**
1. WORK ON SLOPES SHOWN ON THIS PAGE ARE LESS STEEPER THAN 3:1 SEE DETAIL ON SHEET PLD-1.
 2. DIMENSIONS INCLUDE A SLOPE FACTOR TO ACCOUNT FOR THE APPROXIMATE SLOPE THAT WILL BE CONSTRUCTED. ALL DIMENSIONS TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
 3. SEE BRIDGE PLANS FOR SLOPE PAVING AT BRIDGE ABUTMENTS.

KEY MAP
N.T.S

PLANTING DETAILS
SCALE AS SHOWN
PLD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	REVISOR BY
	CHARLES SEAMONS LAMB	CHECKED BY	DATE REVISED
		SAMUEL MEJIA	
		KEN LUDINGTON	

LAST REVISION DATE PLOTTED => 17-AUG-2020
12-03-19 TIME PLOTTED => 16:53

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 CHARLES SEAMONS LAMB
 CHECKED BY
 SAMUEL MEJIA
 REVISOR BY
 KEN LUDINGTON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	246	358

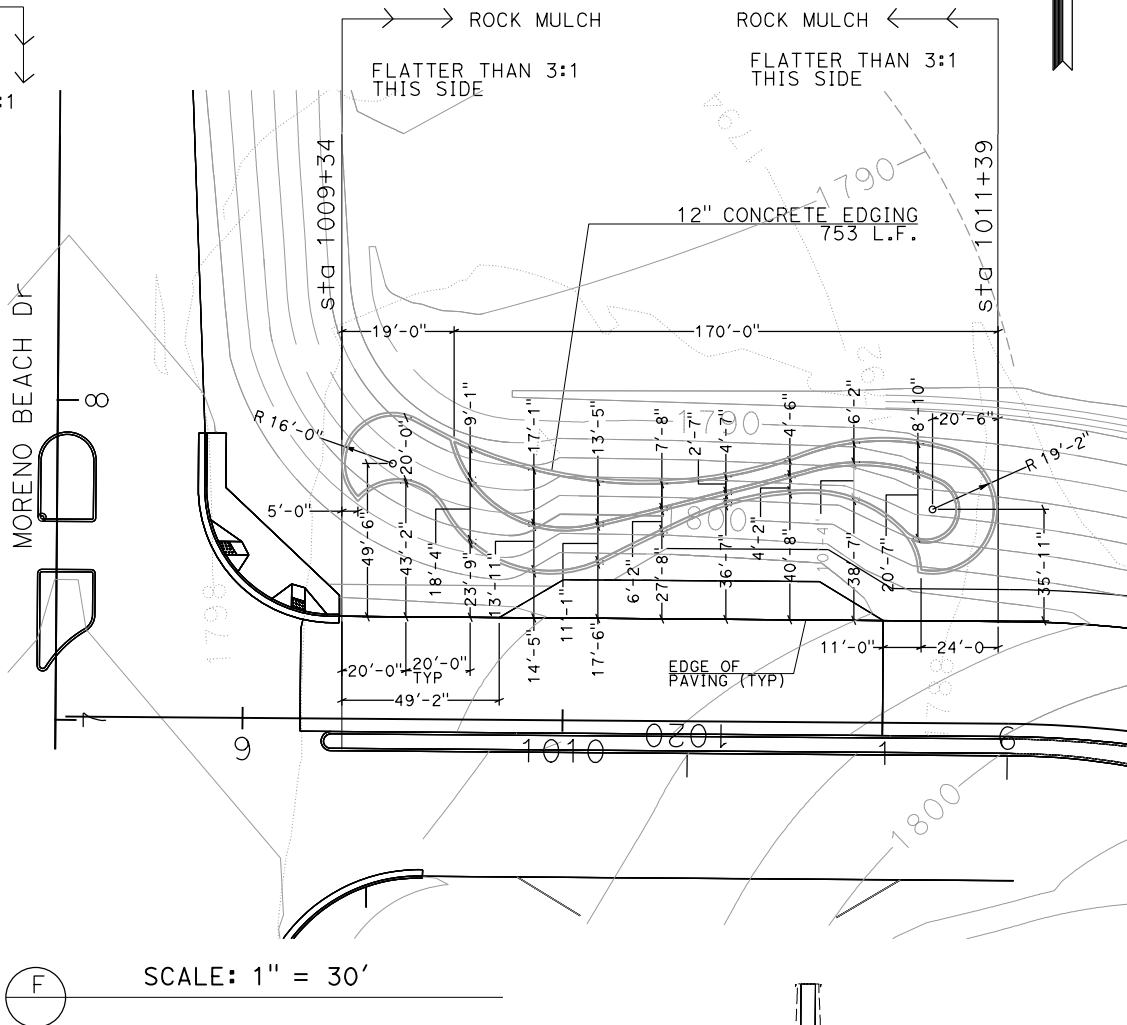
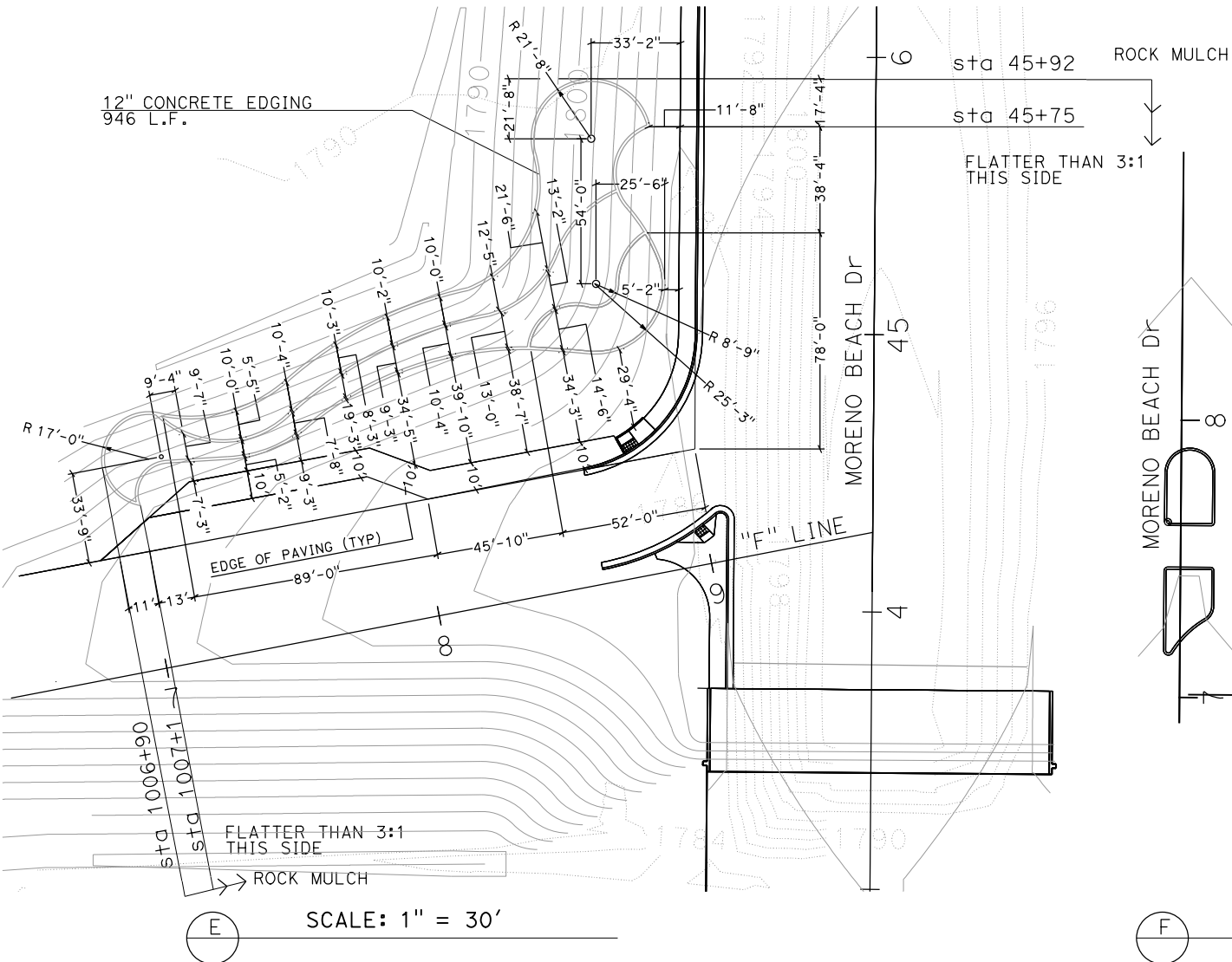
LICENSED LANDSCAPE ARCHITECT
 ERIC FREEMAN
 LICENSE NO. 6245
 DATE 5-1-20
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

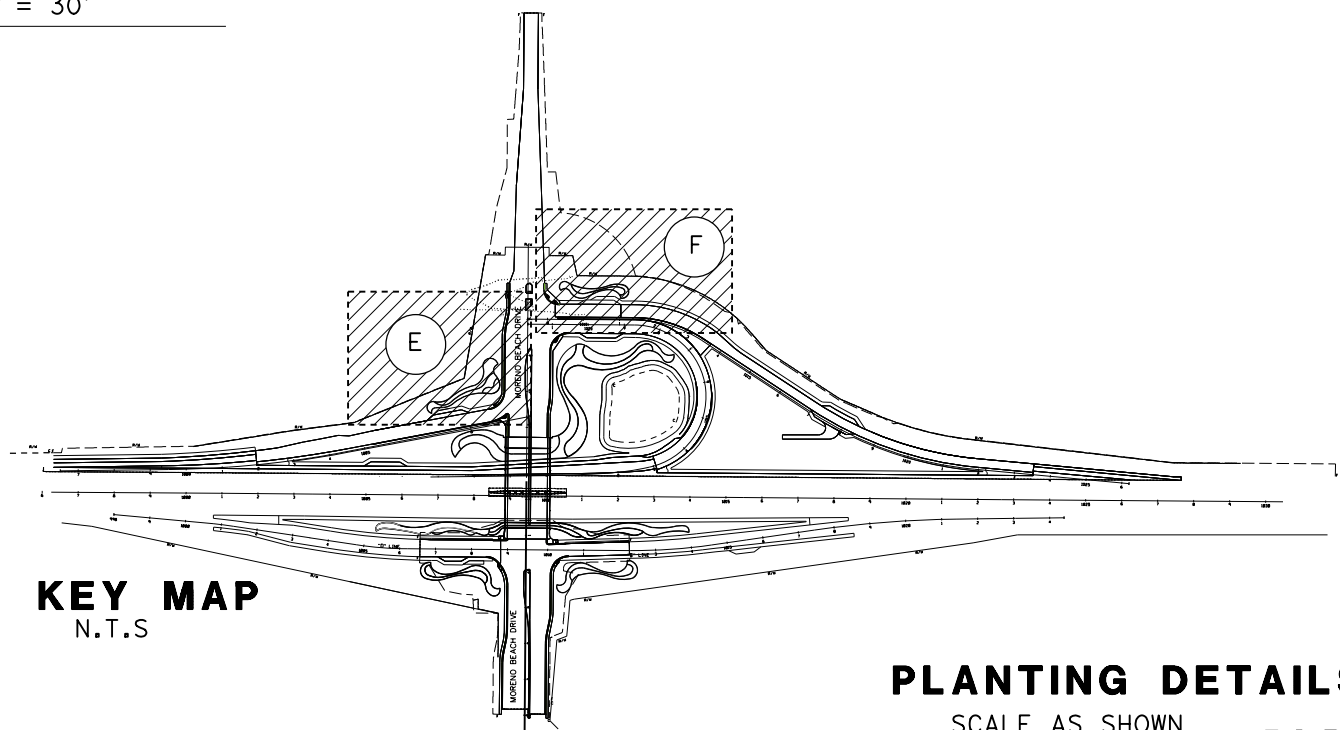
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CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



- NOTES:**
1. WORK ON SLOPES SHOWN ON THIS PAGE ARE FLATTER THAN 3:1 SEE DETAIL ON SHEET PDL-2.
 2. DIMENSIONS INCLUDE A SLOPE FACTOR TO ACCOUNT FOR THE APPROXIMATE SLOPE THAT WILL BE CONSTRUCTED. ALL DIMENSIONS TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
 3. SEE BRIDGE PLANS FOR SLOPE PAVING AT BRIDGE ABUTMENTS.



PLANTING DETAILS
SCALE AS SHOWN
PLD-6

LAST REVISION DATE PLOTTED => 17-AUG-2020 12-03-19 TIME PLOTTED => 16:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	248	358

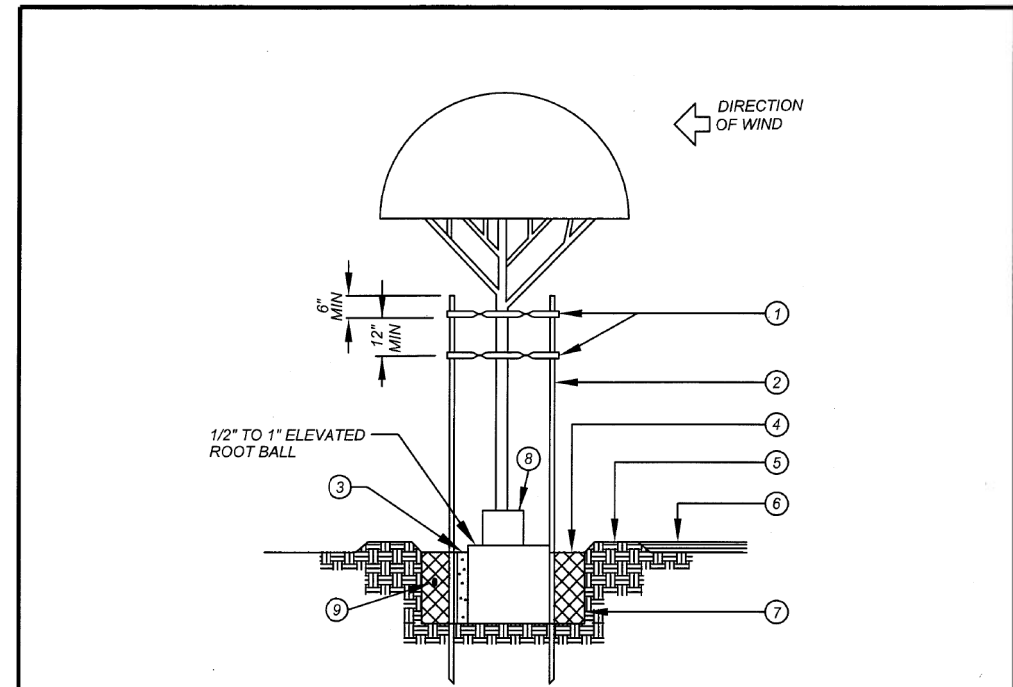
Eric Freeman
LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE _____

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FULLERTON, CA 92832

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552



- LEGEND:**
- 1) V.I.T. PLASTIC COATED METAL BRACE 2 REQUIRED
 - 2) 2" LODGEPOLE PINE STAKE
 - 3) RAINBIRD ROOT WATERING SYSTEM (RWS) IRRIGATION (EXCEPT TURF AREAS)
 - 4) BACKFILL MIX PER SPECIFICATIONS
 - 5) 4" BERM FOR TEMPORARY WATERING UNTIL SEEDING/SODDING
 - 6) 3" THICK BARK - WHERE APPLICABLE
 - 7) PLANT PIT: 2 TIMES WIDTH OF ROOT BALL & SAME DEPTH AS ROOT BALL
 - 8) TRUNK GUARD IN TURF AREAS
 - 9) PLACE FERTILIZER PACKETS PER MANUFACTURER'S RECOMMENDATION

NOTES:

1) INSTALL STAKES 12" MINIMUM FROM TREE TRUNK AND/OR OUTSIDE ROOTBALL.

CITY OF MORENO VALLEY
PARKS AND COMMUNITY SERVICES DEPARTMENT

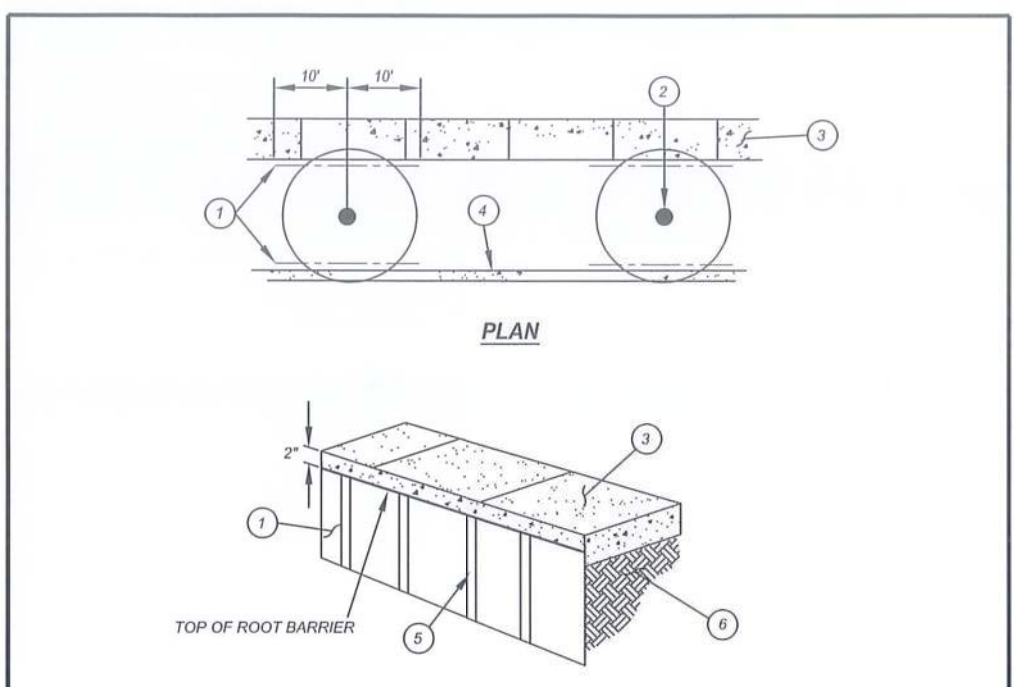
RECOMMENDED: *[Signature]* 1/22/14
DIVISION MANAGER DATE

APPROVED: *[Signature]* 1/29/17
PUBLIC WORKS DIRECTOR / DATE
CITY ENGINEER

TYPICAL DOUBLE STAKE TREE

STANDARD PLAN
MVLI-511B-1

SHEET 2 OF 5



- LEGEND:**
- 1) 24" DEEP LINEAR ROOT BARRIER (PER PLAN AS SPECIFIED). INSTALL IN TRENCH WITH VERTICAL RIBS FACING TOWARDS THE TREE. TOP OF BARRIER TO EXTEND TO TOP OF CURB OR WALK, OR 1" ABOVE FINISH GRADE.
 - 2) TREE TRUNK LOCATION.
 - 3) CONCRETE SIDEWALK OR SLAB.
 - 4) CONCRETE CURB OR SITE WALL.
 - 5) VERTICAL RIBS.
 - 6) COMPACTED SUBGRADE.

CITY OF MORENO VALLEY
PARKS AND COMMUNITY SERVICES DEPARTMENT

RECOMMENDED: *[Signature]* 1/22/14
DIVISION MANAGER DATE

APPROVED: *[Signature]* 1/29/17
PUBLIC WORKS DIRECTOR / DATE
CITY ENGINEER

LINEAR ROOT BARRIER

STANDARD PLAN
MVLI-524B-0

SHEET 2 OF 2

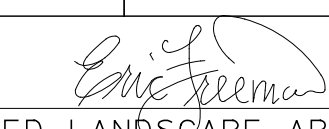
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - CONSULTANT SENIOR LANDSCAPE ARCHITECT - CHARLES SEAMONS LAMB - SAMUEL MEJIA - KEN LUDINGTON - REVISOR BY - DATE REVISED - CALCULATED BY - DESIGNED BY - CHECKED BY

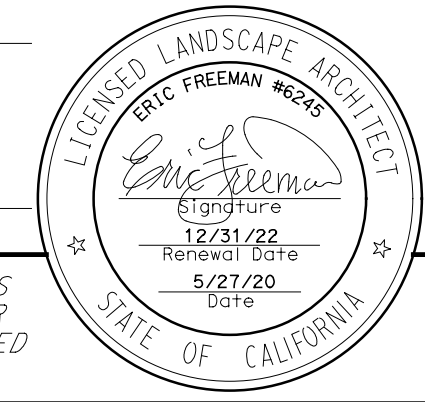


PLANTING DETAILS
CITY OF MORENO VALLEY STANDARD PLANS
PLD-8

LAST REVISION: DATE PLOTTED => 17-AUG-2020 12-03-19 TIME PLOTTED => 16:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	249	358


 LICENSED LANDSCAPE ARCHITECT


 PLANS APPROVAL DATE: 12/31/22
 Signature Date: 5/27/20
 Renewal Date: 5/27/20

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 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

PLANT QUANTITIES

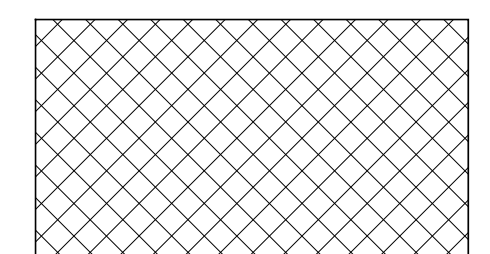
BOTANICAL NAME	COMMON NAME	PLANT GROUP		PLANT BASIN			
		B	K	②	②	②	②
		EA	EA	PACKET FERTILIZER	SOIL AMENDMENT	IRON SULFATE	SLOW-RELEASE FERTILIZER
<u>CASSIA LEPTOPHYLLA</u>	GOLD MEDALLION TREE		5	6	.1	.5	.4
<u>CERCIDIUM FLORIDUM 'DESERT MUSEUM'</u>	PALO VERDE		19	6	.1	.5	.4
<u>EUCALYPTUS SIDEROXYLON</u>	RED IRONBARK		47	6	.1	.5	.4
<u>PINUS ELДАРICA</u>	AFGHAN PINE		25	6	.1	.5	.4
<u>ACACIA REDOLENS 'DESERT CARPET'</u>	PROSTRATE ACACIA	68		2	.04	.2	.1
<u>BACCHARIS PILULARIS 'PIGEON POINT'</u>	DWARF COYOTE BRUSH	1,098		2	.04	.2	.1
<u>BOUGAINVILLEA BRASILIENSIS 'RASPBERRY ICE'</u>	BOUGAINVILLEA	711		2	.04	.2	.1
<u>CALLISTEMON VIMINALIS 'LITTLE JOHN'</u>	BOTTLEBRUSH	817		2	.04	.2	.1
<u>CALYLOPHUS BERLANDIERI</u>	BERLANDIER'S SUNDROPS	191		2	.04	.2	.1
<u>ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'</u>	HUNTINGTON CARPET ROSEMARY	489		2	.04	.2	.1
TOTAL		3,374	96	7,324	144.6	722.8	375.8

PLANT AREA QUANTITIES

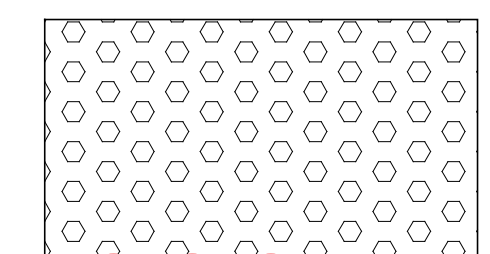
PP SHEET	CULTIVATION	CULTIVATION AREA				DECORATIVE ROCK MULCH ③	SLOPE PAVING (ROCK MULCH) ③
		SOIL AMENDMENT	IRON SULFATE	SLOW-RELEASE FERTILIZER	WOOD MULCH		
	SQYD	CY	LB	LB	CY	SF	CY
PP1	109	.3	1.5	2.4	12	0	0
PP2	760.5	3.9	19.5	122	926	12,194	202
PP3	1,028.9	4.2	21	234.6	1,374	38,148	90
PP4	0	1.2	6	16.8	150	0	0
TOTAL	1,898.4	9.6	48	375.8	2,462	50,342	292

- NOTES:
- ① FOR ROCK MULCH AND SLOPE PAVING (ROCK MULCH) SAMPLES WILL BE AVAILABLE AT THE CITY OFFICE.
 - ② QUANTITIES ARE PER PLANT
 - ③ A 15% FACTOR HAS BEEN ADDED TO ROCK MULCH AND SLOPE PAVING (ROCK MULCH) AND CONCRETE STRIP QUANTITIES TO ACCOUNT FOR GRADED SLOPE CONDITIONS.

HARDSCAPE

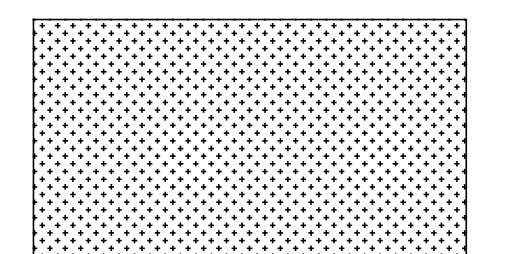


ROCK MULCH
COLOR: RED
TOTAL: 17,377 SQFT



SLOPE PAVING (ROCK MULCH)
COLOR: RED
TOTAL: 147 CY

3

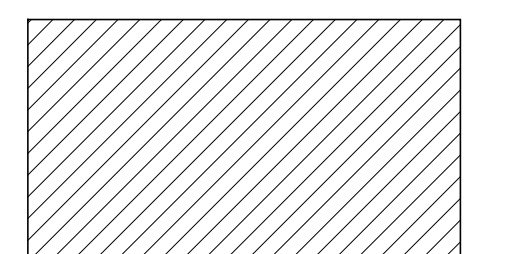


ROCK MULCH
COLOR: GRAY
TOTAL: 17,795 SQFT

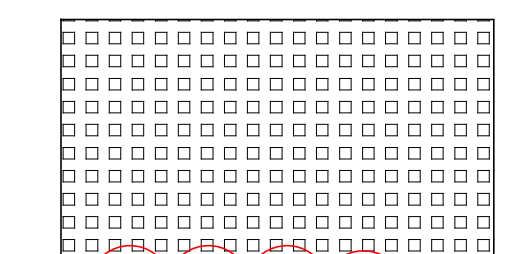


SLOPE PAVING (ROCK MULCH)
COLOR: GREY
TOTAL: 68 CY

3




ROCK MULCH
COLOR: GOLD
TOTAL: 14,990 SQFT



SLOPE PAVING (ROCK MULCH)
COLOR: GOLD
TOTAL: 77 CY

3



12" CONCRETE EDGING
COLOR: NATURAL CONCRETE
TOTAL: 7,166 LF

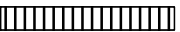

3 REVISED PER ADDENDUM No. 3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT SENIOR LANDSCAPE ARCHITECT
 ERIC FREEMAN
 CHECKED BY
 SAMUEL MEJIA
 ERIC FREEMAN
 REVISIONS BY
 DATE REVISIONS

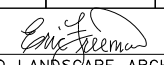
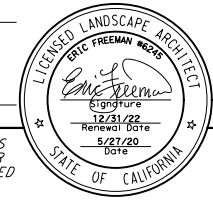
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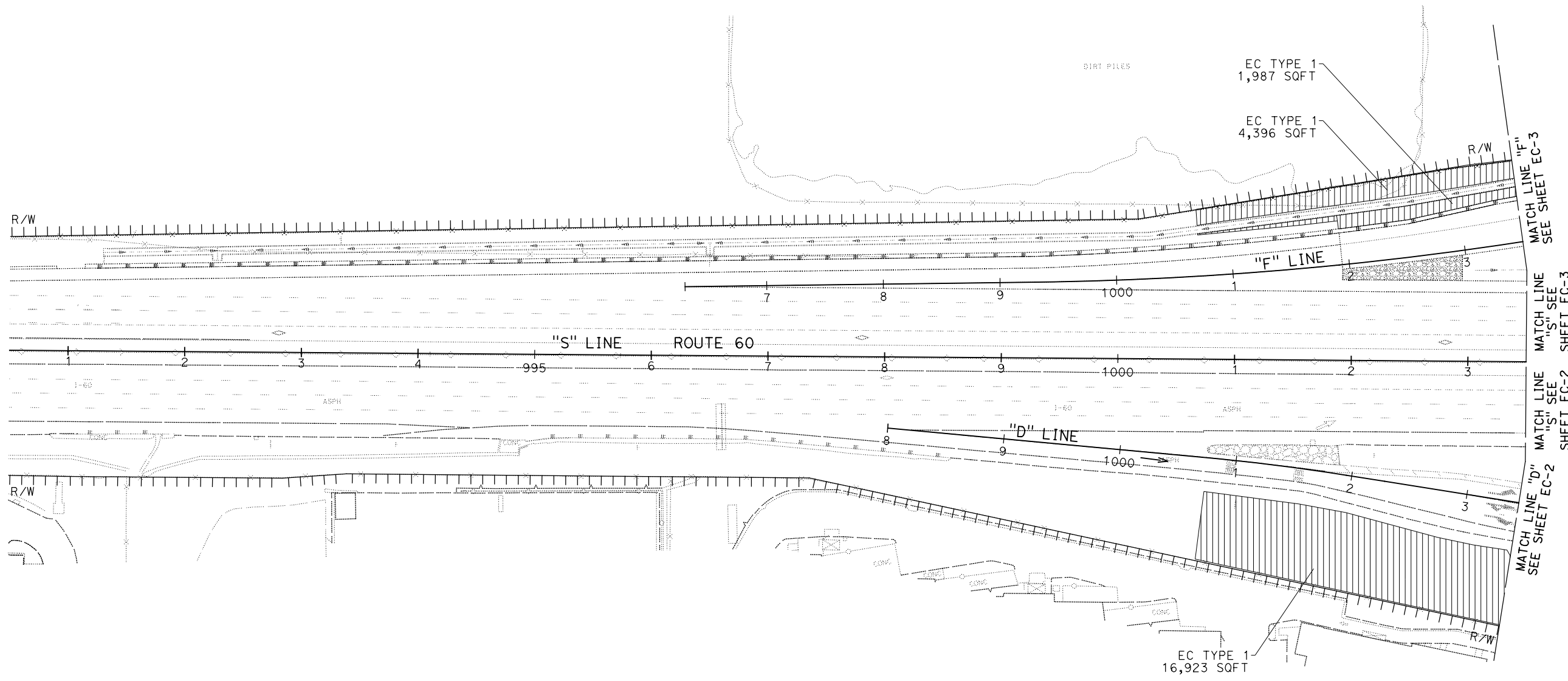
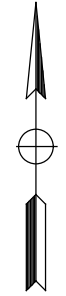
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT SENIOR LANDSCAPE ARCHITECT ERIC FREEMAN
 CALCULATED/DESIGNED BY ERIC FREEMAN
 CHECKED BY ERIC FREEMAN
 REVISIONS:
 REVISION NO. | REVISION DESCRIPTION | DATE | BY

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND
 EROSION CONTROL (TYPE 1)
 EROSION CONTROL (TYPE 2)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	251	358

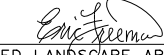


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

 EMERALD DESIGN
 305 N. HARBOR BLVD, SUITE 222
 FULLERTON, CA 92832
 CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



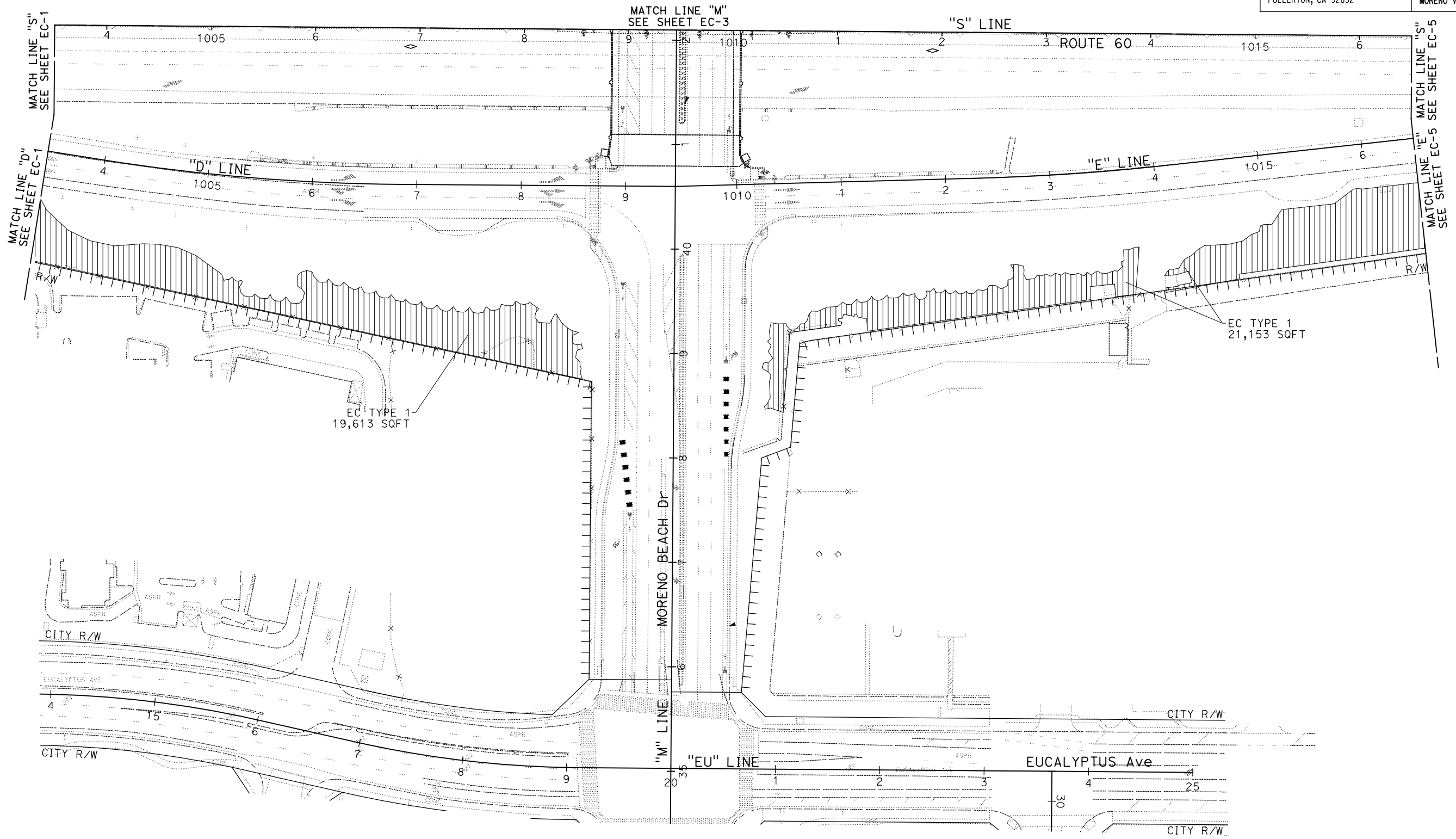
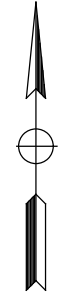
APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL
 SCALE: 1" = 50'
EC-1

LAST REVISION | DATE PLOTTED => 03-AUG-2020
 00-00-00 | TIME PLOTTED => 1:3:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	252	358
 LICENSED LANDSCAPE ARCHITECT					
					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
EMERALD DESIGN 305 N. HARBOR BLVD, SUITE 222 FULLERTON, CA 92832			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



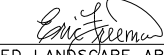
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT - SENIOR LANDSCAPE ARCHITECT	ERIK FREEMAN	CHECKED BY	ERIC FREEMAN	REVISOR	ERIC FREEMAN	DATE	REVISED
									

APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL EC-2

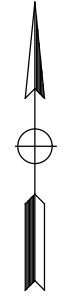
SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	253	358


 LICENSED LANDSCAPE ARCHITECT

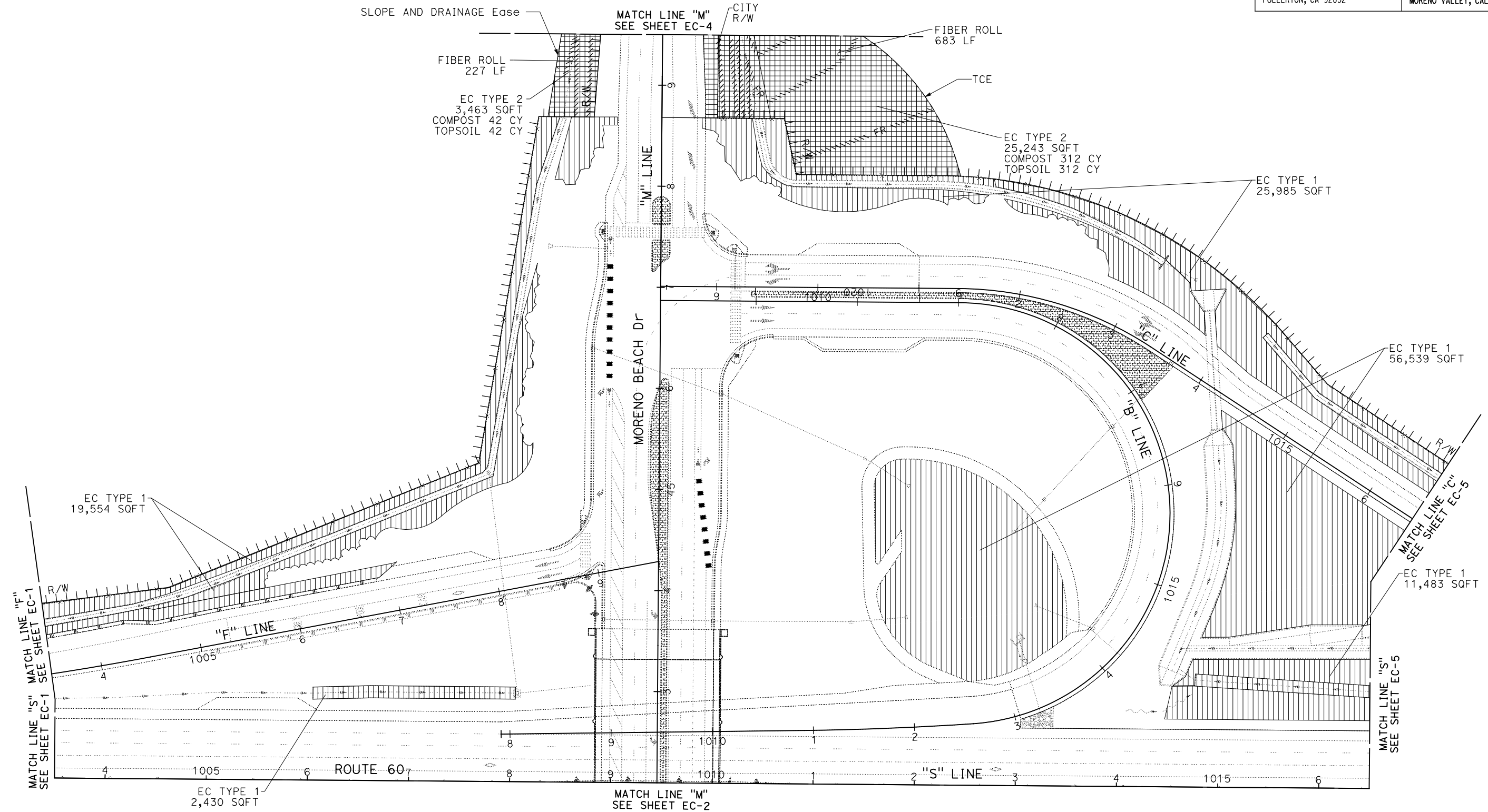
PLANS APPROVAL DATE _____
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EMERALD DESIGN 305 N. HARBOR BLVD, SUITE 222 FULLERTON, CA 92832	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT SENIOR LANDSCAPE ARCHITECT	ERIC FREEMAN
CALCULATED/DESIGNED BY	CHECKED BY
ERIK ADELMAN	ERIC FREEMAN
REVISED BY	DATE REVISED

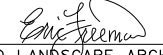


APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL EC-3

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	254	358


 LICENSED LANDSCAPE ARCHITECT
 PLANS APPROVAL DATE _____
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



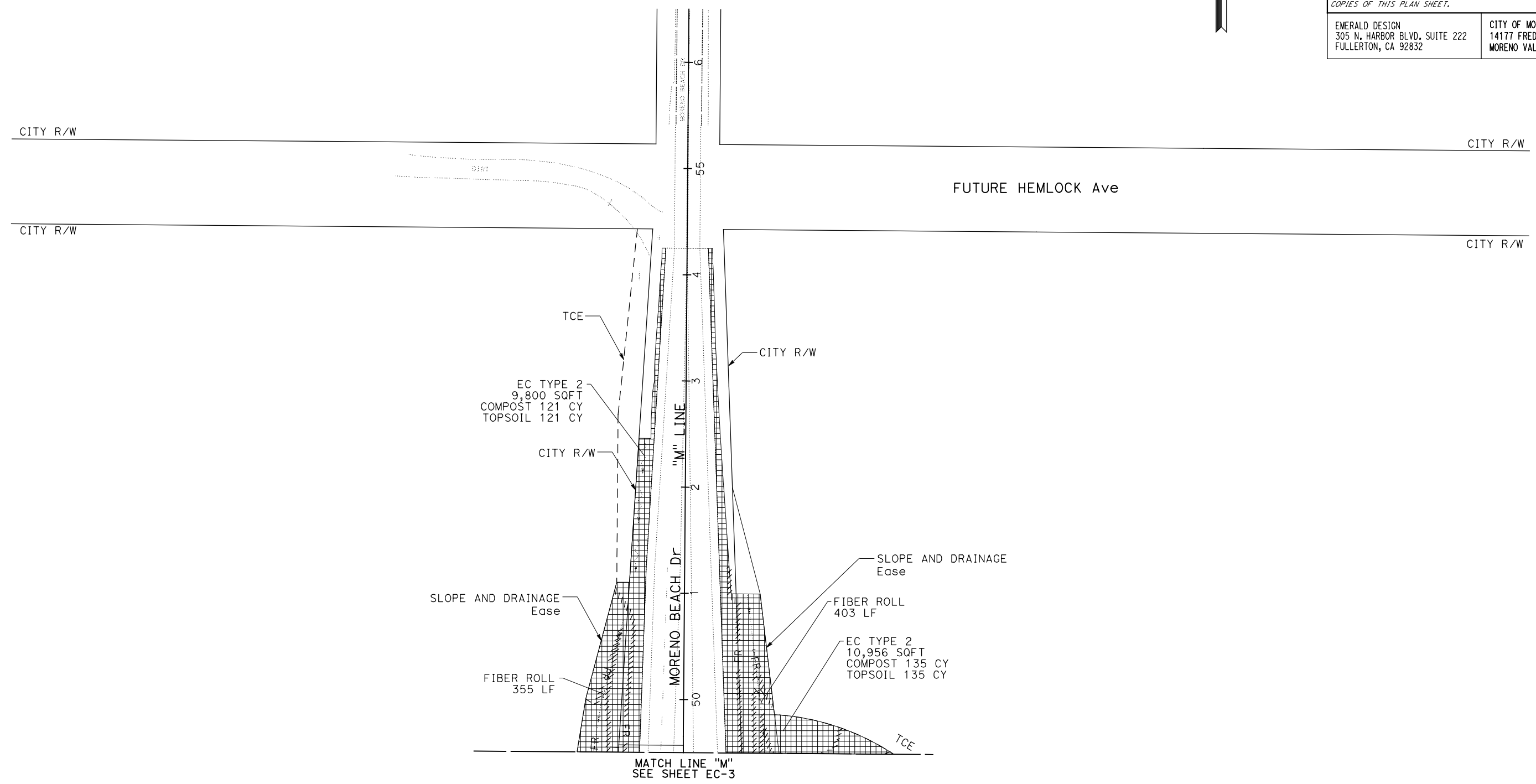
EMERALD DESIGN
 305 N. HARBOR BLVD, SUITE 222
 FULLERTON, CA 92832

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

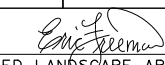
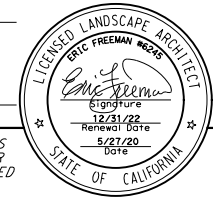
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
ERIC FREEMAN	CONSULTANT - SENIOR LANDSCAPE ARCHITECT
ERIC FREEMAN	CHECKED BY
ERIC FREEMAN	DESIGNED BY
ERIC FREEMAN	REVISOR
ERIC FREEMAN	DATE
ERIC FREEMAN	REVISION



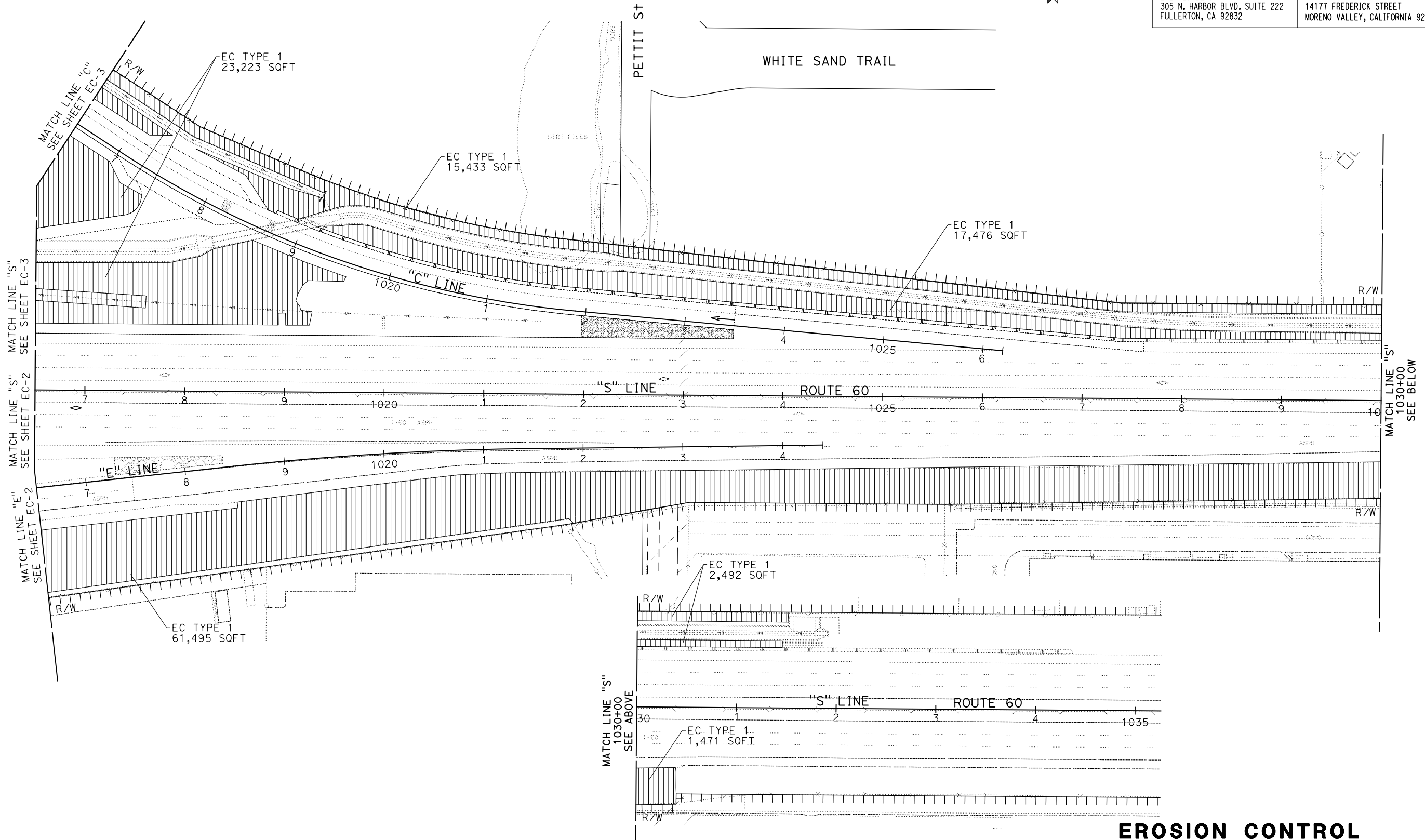
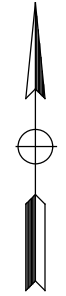
APPROVED FOR EROSION CONTROL WORK ONLY

EROSION CONTROL
EC-4

SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	255	358
 LICENSED LANDSCAPE ARCHITECT					
					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
EMERALD DESIGN 305 N. HARBOR BLVD, SUITE 222 FULLERTON, CA 92832			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
ERIC FREEMAN	ERIC FREEMAN
CONSULTANT SENIOR LANDSCAPE ARCHITECT	ERIC FREEMAN
CHECKED BY	ERIC FREEMAN
DESIGNED BY	ERIC FREEMAN
REVISOR	ERIC FREEMAN
DATE	
REVISION	

APPROVED FOR EROSION CONTROL WORK ONLY

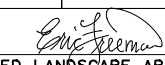
EROSION CONTROL
 SCALE: 1" = 50'
EC-5

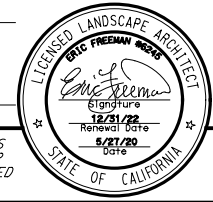
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT - SENIOR LANDSCAPE ARCHITECT
 ERIC FREEMAN
 CALCULATED/DESIGNED BY
 ERIC ADELMAN
 CHECKED BY
 ERIC FREEMAN
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	256	358


 LICENSED LANDSCAPE ARCHITECT



PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EMERALD DESIGN 305 N. HARBOR BLVD, SUITE 222 FULLERTON, CA 92832	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
--	--

EROSION CONTROL QUANTITIES

SHEET NUMBER	DESCRIPTION	COMPOST	IMPORTED TOPSOIL	INCORPORATE MATERIALS	HYDROSEED	HYDROMULCH	FIBER ROLLS
		CY	CY	SQFT	SQFT	SQFT	LF
EC-1	EC TYPE 1				23,306	23,306	
EC-2	EC TYPE 1				40,766	40,766	
EC-3	EC TYPE 1				115,991	115,991	
	EC TYPE 2	354	354	28,706	28,706	28,706	
	FIBER ROLLS						910
EC-4	EC TYPE 2	256	256	20,756	20,756	20,756	
	FIBER ROLLS						758
EC-5	EC TYPE 1				121,590	121,590	
	TOTAL	610	610	49,462	351,115	351,115	1,668

EROSION CONTROL QUANTITIES

NO SCALE **ECQ-1**

LAST REVISION | DATE PLOTTED => #DATE
00-00-00 | TIME PLOTTED => #TIME

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE REVISIONS

LEGEND: (SHEETS E-1 TO E-5)

1 INSTALL 120/240 V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH TWO 100A, 240V, 2P, CB- MAIN DISCONNECT: METER NO.1 (LS-3)

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
30	240	2	LTG	YES	V
30	240	2	SIGN ILLUMINATION	YES	SC2A
15	120	1	LIGHTING CONTROL	YES	-----
20	120	1	ICC	YES	-----

METER NO.2 (TC-1)

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
50	120	1	TRAFFIC SIGNALS	YES	-----
30	120	1	RAMP METER*	YES	-----
30	120	1	RAMP METER*	YES	-----
30	120	1	DATA NODE**	YES	-----
15	120	1	SPARE	YES	-----

*AT EB INTERSECTION LABEL 1-RAMP METER & 1-SPARE
 **AT WB INTERSECTION ONLY

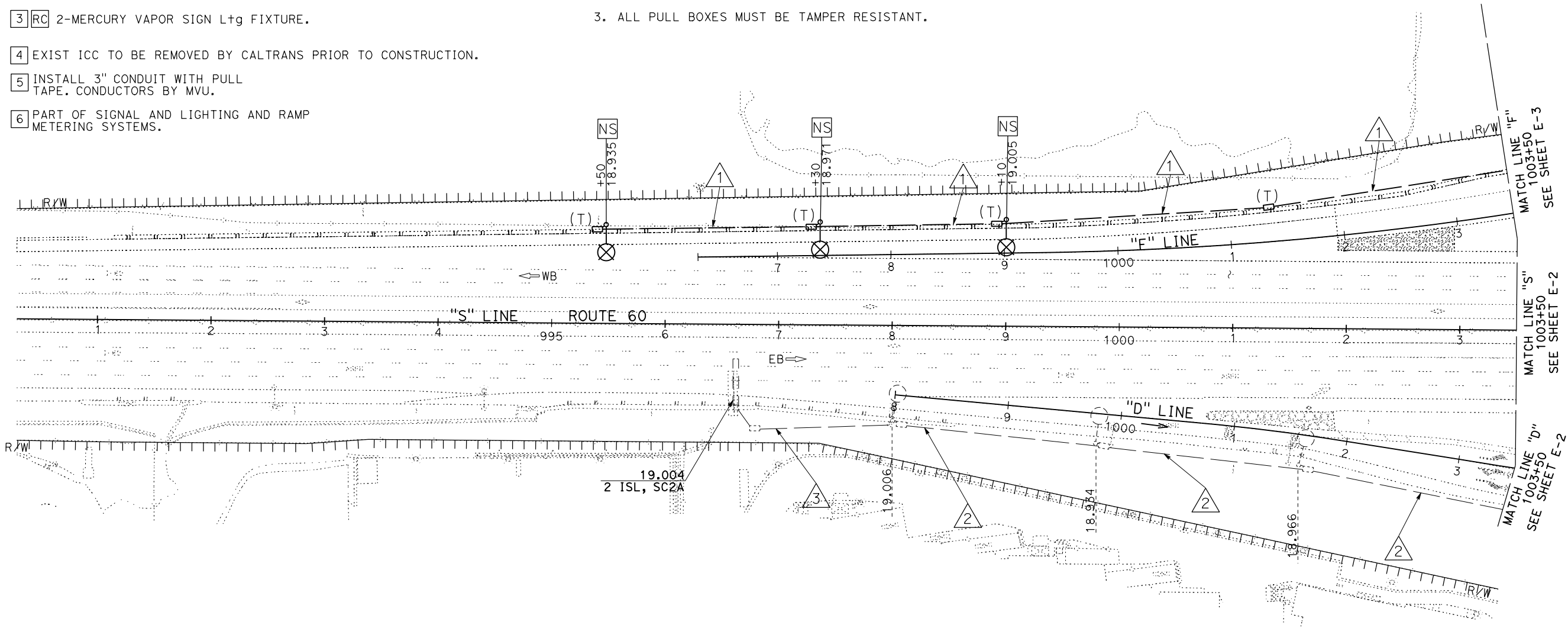
- 2 MORENO VALLEY UTILITIES (MVU) PAD MOUNTED TRANSFORMER INSTALL TRANSFORMER PAD, PRIMARY CONDUIT, TRENCH & BACKFILL PER CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.
- 3 RC 2-MERCURY VAPOR SIGN Ltg FIXTURE.
- 4 EXIST ICC TO BE REMOVED BY CALTRANS PRIOR TO CONSTRUCTION.
- 5 INSTALL 3" CONDUIT WITH PULL TAPE. CONDUCTORS BY MVU.
- 6 PART OF SIGNAL AND LIGHTING AND RAMP METERING SYSTEMS.

CONDUIT NOTES: (SHEETS E-1 TO E-5)

- 1 2"C, 2#8(LTG), 1#8(G)
- 2 Exist 2"C, 2#8(LTG), 2#8(SIGN), 1#8(G)
- 3 Exist 2"C, 2#8(SIGN), 1#8(G)
- 4 Exist 2"C, 2#8(LTG), 1#8(G)
- 5 2"C, 2#8(LTG), 2#8(SIGN), 1#8(G)
- 6 2"C, 2#8(SIGN), 1#8(G)
- 7 2"C, 4#8(LTG), 2#8(SIGN), 1#8(G)
- 8 3"C, 2#6(SIGNAL), 2#6(RM), 4#8(LTG), 2#8(SIGN), 2#10(ICC), 1#8(G)
- 9 3"C, 2#6(SIGNAL), 4#6(RM), 4#8(LTG), 2#8(SIGN), 2#10(ICC), 1#8(G)

NOTES:

- 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- 2. SEE SHEET ED-1 FOR WIRING DIAGRAM.
- 3. ALL PULL BOXES MUST BE TAMPER RESISTANT.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	257	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

MODIFYING LIGHTING SYSTEMS

SCALE 1" = 50'

E-1

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

NOTES: (THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE SHEET ED-1 FOR WIRING DIAGRAM.
3. SEE SHEET E-1 FOR CONDUIT NOTES AND LEGEND.
4. ALL PULL BOXES MUST BE TAMPER RESISTANT.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	258	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

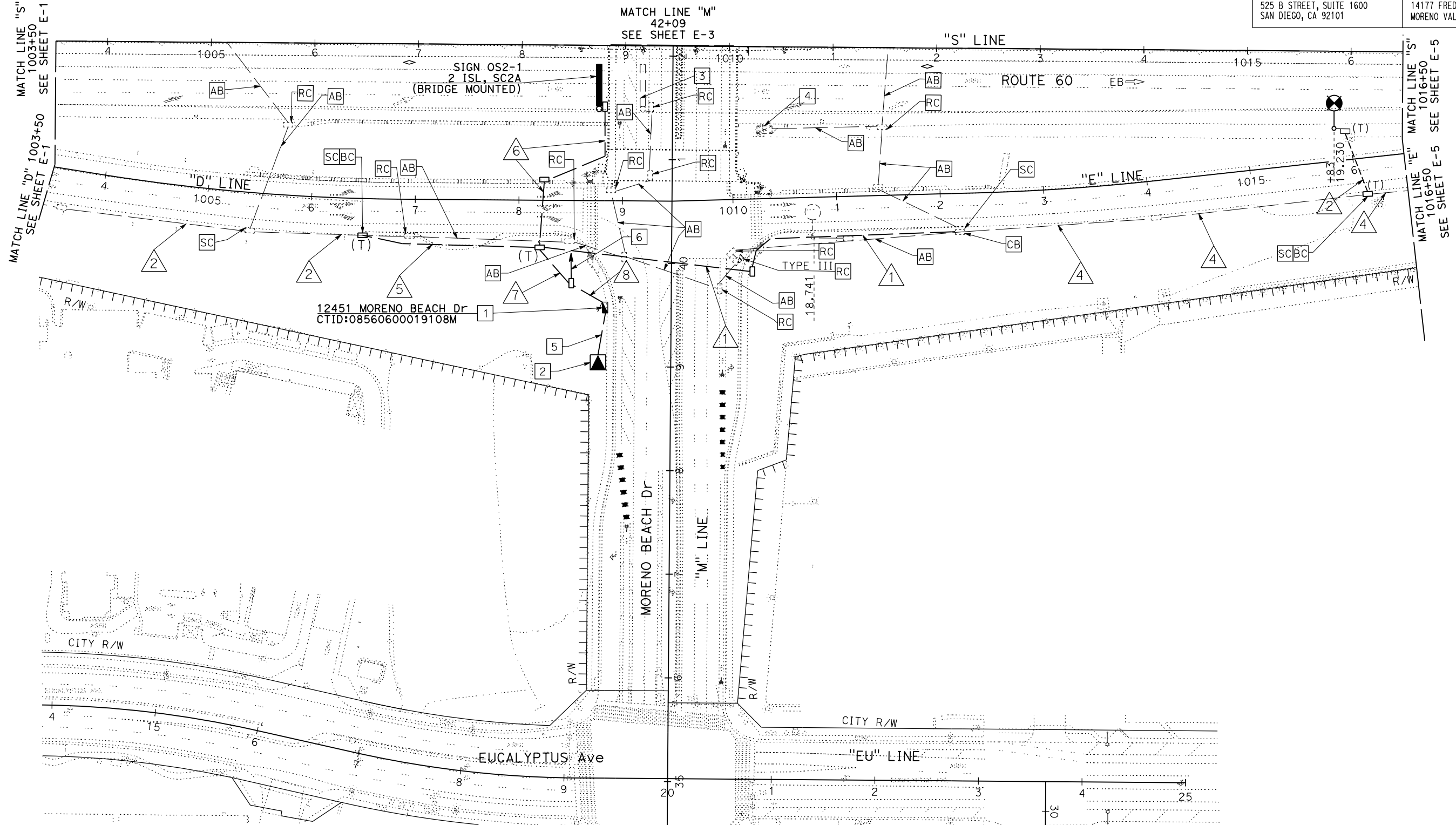
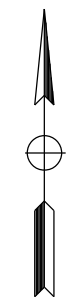
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA



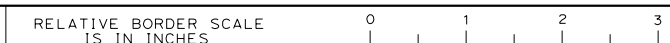
MODIFYING LIGHTING SYSTEMS
 SCALE 1"=50'

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIAM HABBUSH	GRETA AIKEN
REVISED BY	DATE REVISED

BORDER LAST REVISED 7/2/2010

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UNIT 2232

PROJECT NUMBER & PHASE

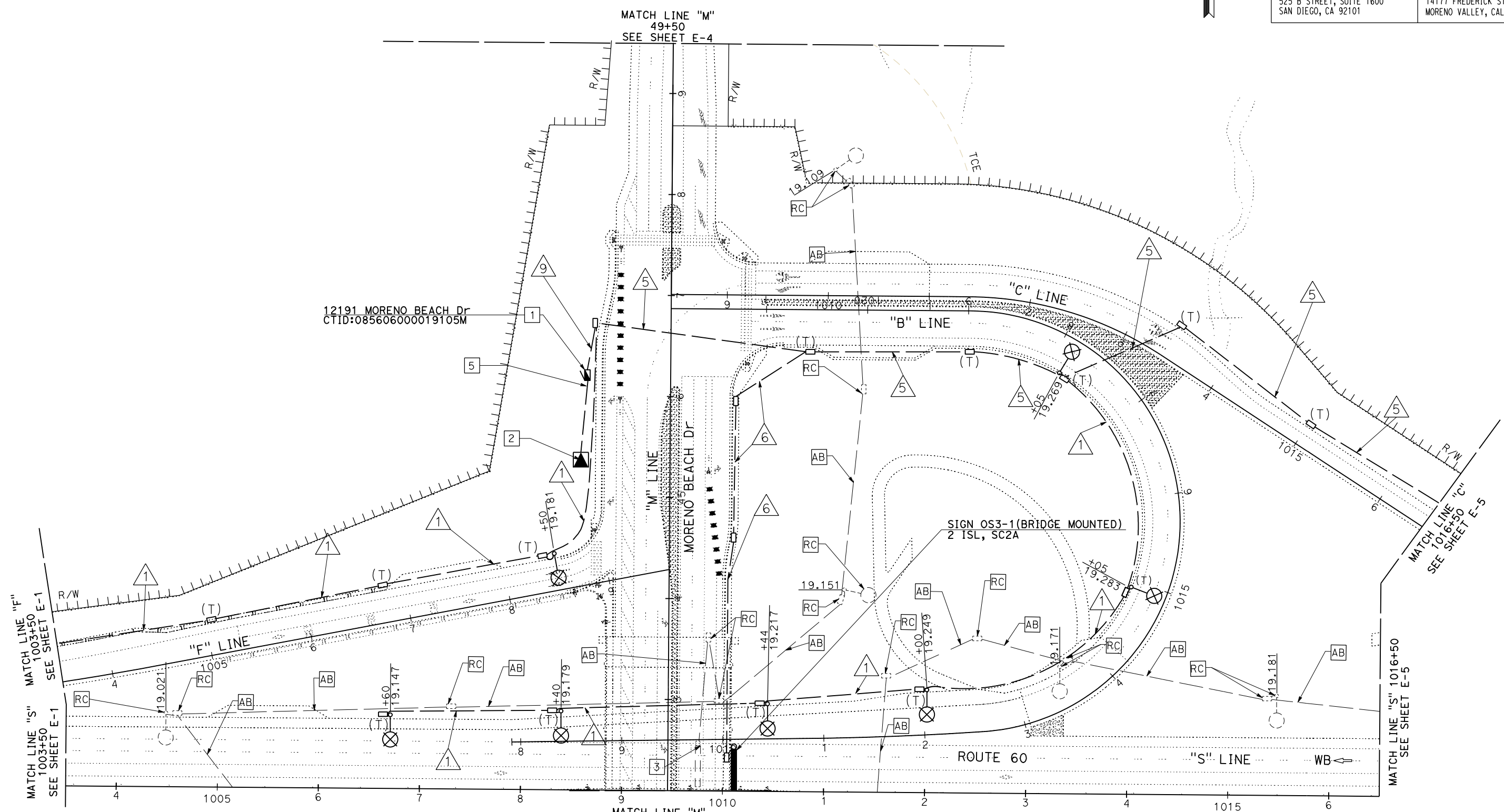
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LAST REVISION DATE PLOTTED => 11-AUG-2020
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	259	358
Greta Aiken		07/01/20		REGISTERED CIVIL ENGINEER DATE	
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

- NOTES: (THIS SHEET ONLY)**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE
 - REFER TO STRUCTURE PLANS FOR BRIDGE DETAILS
 - SEE SHEET ED-1 FOR WIRING DIAGRAM
 - SEE SHEET E-1 FOR CONDUIT NOTES & LEGEND
 - ALL PULL BOXES MUST BE TAMPER RESISTANT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
MARIAM HABBUSH	GRETA AIKEN
REVISED BY	DATE REVISED

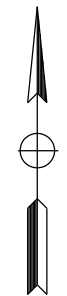


MODIFYING LIGHTING SYSTEMS
SCALE 1"=50'

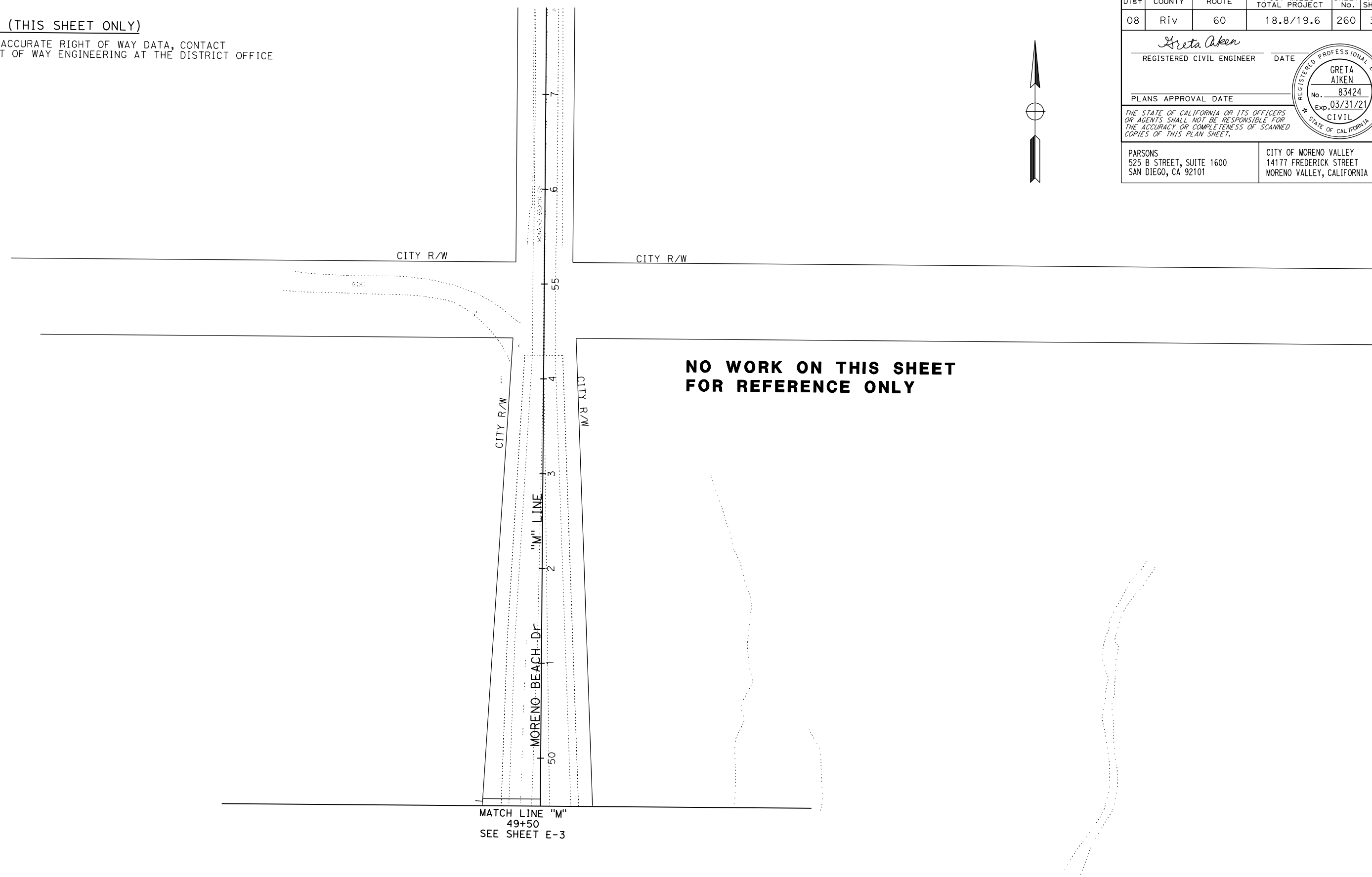
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	260	358

<i>Greta Aiken</i>	
REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552



NOTES: (THIS SHEET ONLY)
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans		NICOLE DEPUY	CHECKED BY	MARIAM HABBBOUSH	
				GRETA AIKEN	

MODIFYING LIGHTING SYSTEMS
 SCALE 1"=50'

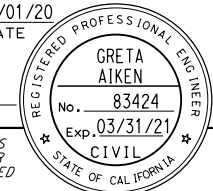
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	261	358

Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

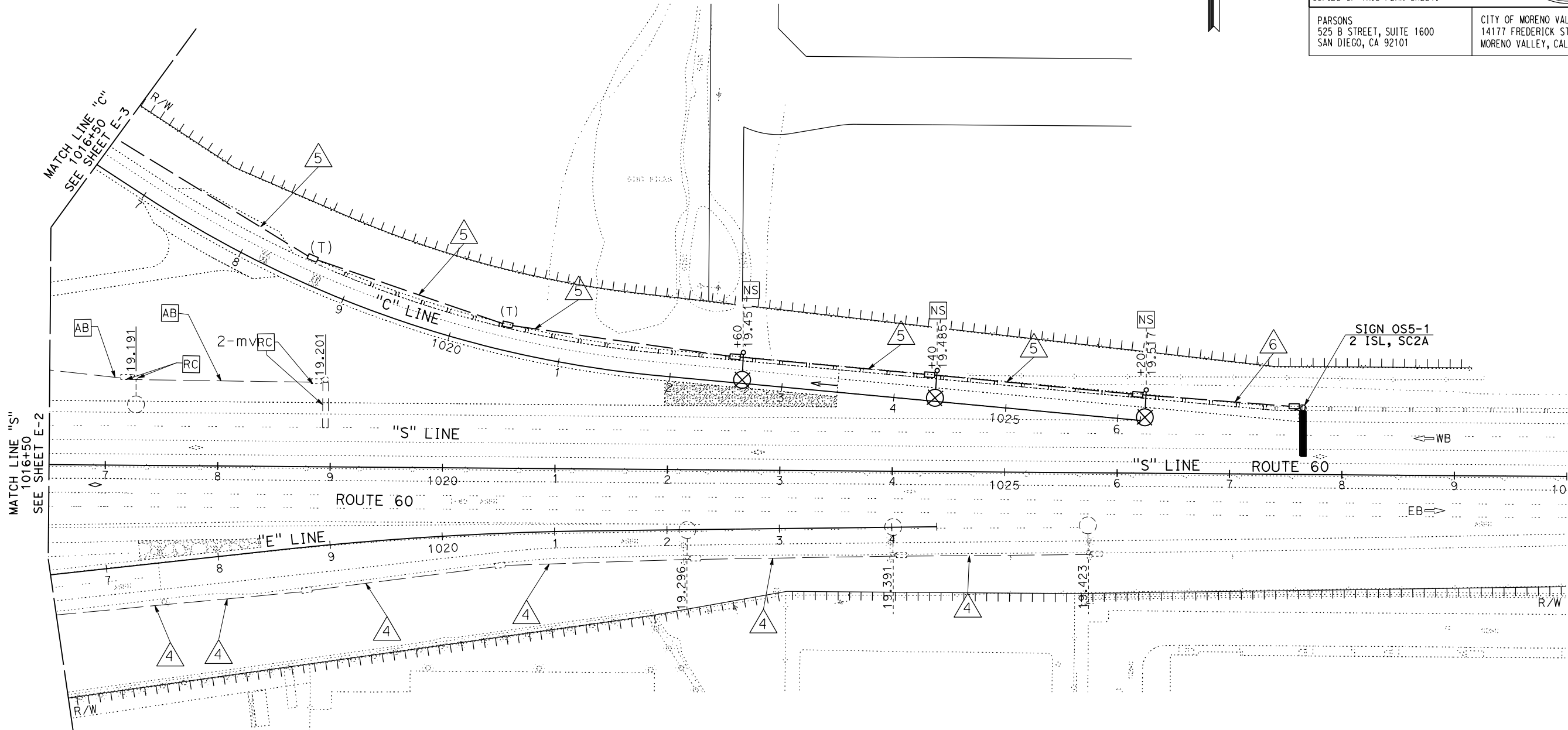
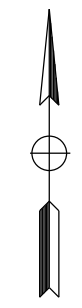
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 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

- NOTES: (THIS SHEET ONLY)**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE
 - SEE SHEET ED-1 FOR WIRING DIAGRAM
 - SEE SHEET E-1 FOR CONDUIT NOTES AND LEGEND
 - ALL PULL BOXES MUST BE TAMPER RESISTANT



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIAM HABBBOUSH	GRETA AIKEN
REVISED BY	DATE REVISED

MODIFYING LIGHTING SYSTEMS

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

SCALE 1"=50'

E-5

LAST REVISION DATE PLOTTED => 11-AUG-2020 00-00-00 TIME PLOTTED => 12:30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE
 REVISIONS: x

NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- SEE SHEET ED-1 FOR WIRING DIAGRAM.
- COORDINATE CONDUIT INSTALLATION WORK WITH MORENO VALLEY UTILITY (MVU) TO MAINTAIN STREET LIGHTS IN OPERATION UNLESS AUTHORIZED BY THE ENGINEER.
- STREET LIGHTING ELECTROLIER STANDARDS AND PULL BOXES SHALL BE PLACED OUTSIDE THE SIDEWALK AREA UNLESS OTHERWISE SPECIFIED.
- ALL CONDUCTORS INSIDE EACH BRIDGE LIGHT POLE SHALL BE NO. 10 SOLID WIRE. ALL CONDUCTORS SHALL BE NEW COPPER WITH TYPE THHN INSULATION, EXCEPT THAT THE GROUNDING CONDUCTOR MAY BE A NO. 8 AWG SOLID WIRE WITH NO INSULATION.
- ALL LIGHTS SHOWN ON THIS LAYOUT SHALL BE ENERGIZED PRIOR TO THE ACCEPTANCE OF THE LIGHTING SYSTEM BY THE CITY AND MVU.
- UNDERGROUND WORK SHALL CONFORM TO MVU STANDARDS AND BE COMPLETE PRIOR TO FINAL PAVING AND SIDEWALK WORK. FURNISH ALL CONDUIT WORK AND PULL BOXES.
- ALL NEW CONDUIT SHALL BE TYPE B SCH. 80 UNLESS OTHERWISE NOTED.
- CONDUITS AND CONDUCTORS ONLY SHOWN FOR BRIDGE LIGHTING. FOR OTHER STREET LIGHTING CONDUITS, CONDUCTORS, PULL BOXES AND QUANTITIES SEE CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS.
- ALL PULL BOXES MUST BE TAMPER RESISTANT.

LEGEND (THIS SHEET ONLY)

- ⊙ INTERSECTION LIGHTING. PART OF SIGNAL AND LIGHTING SYSTEM.
- ⊙ CITY FURNISHED DECORATIVE BRIDGE LIGHT PER SHEET ED-2 DETAIL A.

1. INSTALL 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE. INSTALL THE FOLLOWING CIRCUIT BREAKERS:

AMPERES	VOLTS	POLES	NAME PLATE	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN	-----
30	240	2	LIGHTING	-----
20	120	1	CCTV	-----
15	120	1	LIGHTING CONTROL	TYPE V
20	120	1	SPARE	-----

- 2. INSTALL EMPTY CONDUIT WITH PULL TAPE. CONDUCTORS BY MVU.
- 3. FOR EXACT STATIONING, SEE BRIDGE PLANS.
- 4. PART OF CLOSED CIRCUIT TELEVISION SYSTEM (CITY)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	262	358

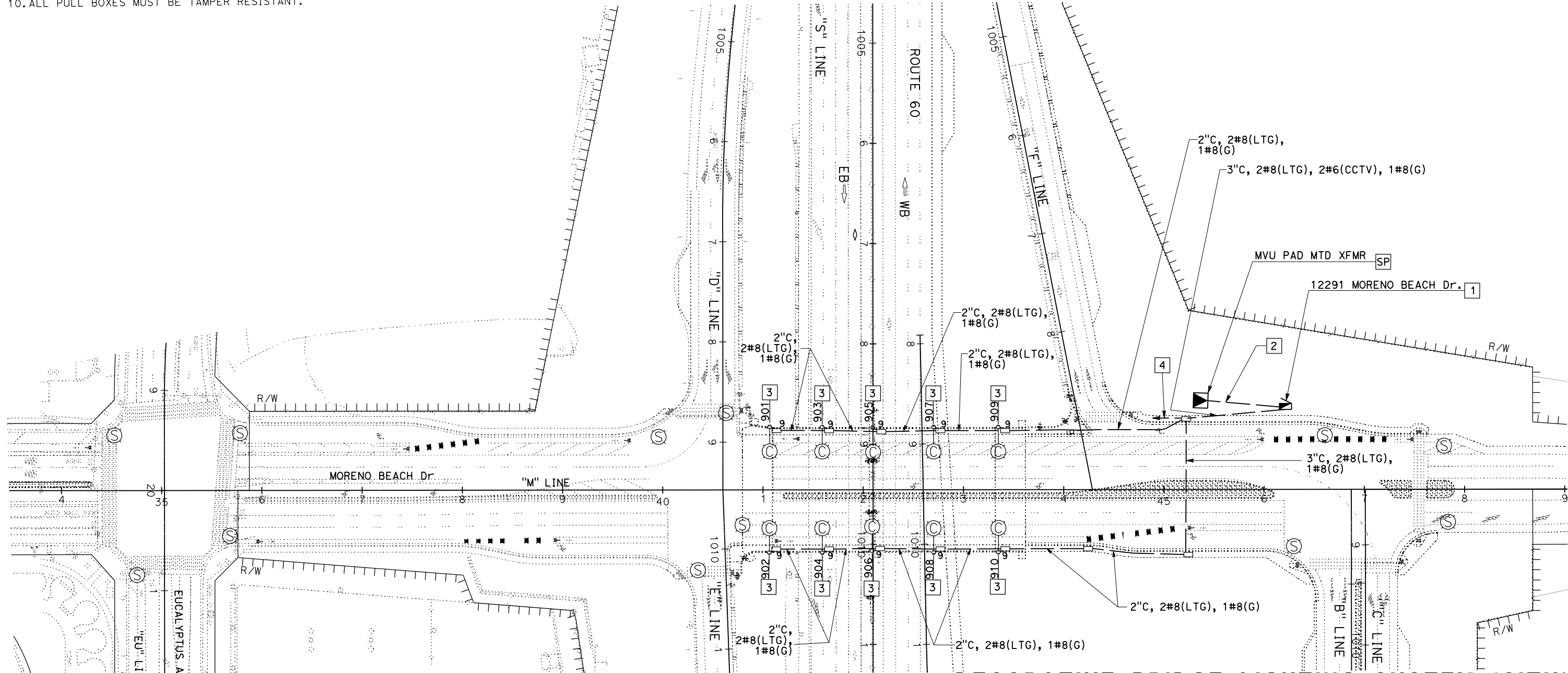
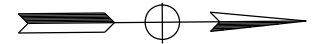
Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



DECORATIVE BRIDGE LIGHTING SYSTEM (CITY)
 SCALE 1"=50'
E-6

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

LAST REVISION DATE PLOTTED => 13-AUG-2020 00-00-00 TIME PLOTTED => 13:33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE REVISED

NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL PULL BOXES MUST BE TAMPER RESISTANT.

LEGEND: (THIS SHEET ONLY)

- FURNISH AND INSTALL MODEL 334L CCTV CABINET.
- INSTALL CCTV 30 POLE AND POLE FOUNDATION. CCTV EQUIPMENT BY CITY FORCES.
- TYPE III-BF SERVICE EQUIPMENT ENCLOSURE. PART OF DECORATIVE BRIDGE LIGHTING SYSTEM (CITY)
- INSTALL No. 6(E) PULL BOX AT STA-48+95

CONDUIT NOTES:

- 4-1/2" HDPE CONDUITS WITH PULL TAPE. (FUTURE FIBER OPTIC)
- 4-1/2" TYPE 1 CONDUITS WITH PULL TAPE, IN SIDEWALK.
- 3"C, WITH PULL TAPE. CABLES BY CITY.
- 2"C, 2#6(CCTV), 1#8(G).
- 2-1/2" HDPE CONDUITS WITH PULL TAPE (FUTURE FIBER OPTIC)
- 3"C, WITH PULL TAPE.
- 3"C, WITH PULL TAPE.
2"C, 2#6(CCTV), 1#8(G).

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	263	358

Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

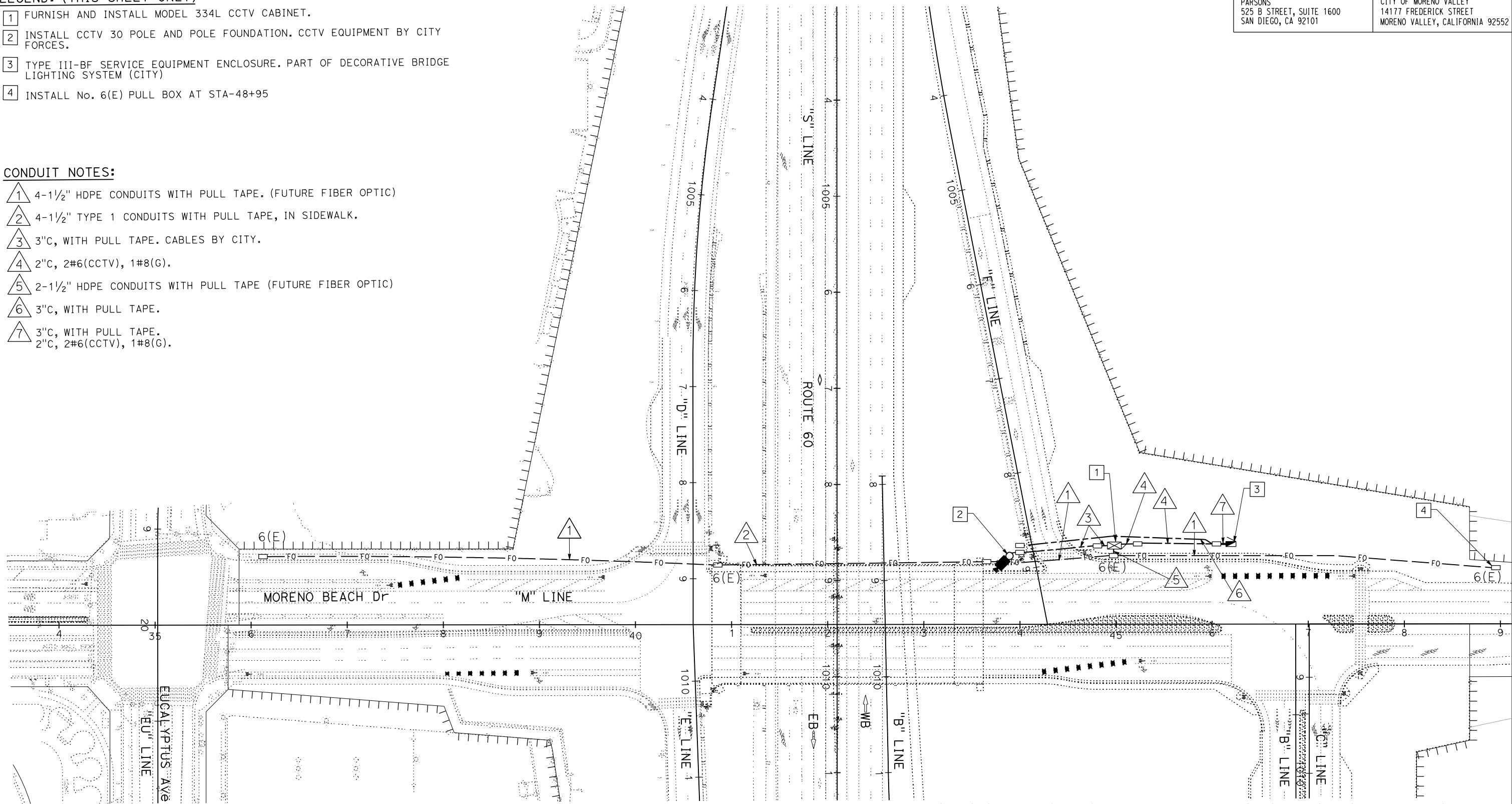
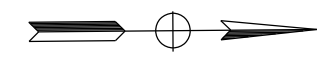
PLANS APPROVAL DATE

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PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA



CLOSED CIRCUIT TELEVISION SYSTEM (CITY)
 SCALE 1"=50'
E-7

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

LAST REVISION DATE PLOTTED => 13-AUG-2020
 00-00-00 TIME PLOTTED => 13:33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIAM HABBBOUSH GRETA AIKEN
 REVISED BY DATE REVISED
 GRETA AIKEN

NOTES: (THIS SHEET ONLY)

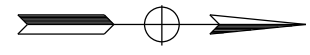
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL PULL BOXES MUST BE TAMPER RESISTANT.

LEGEND: (THIS SHEET ONLY)

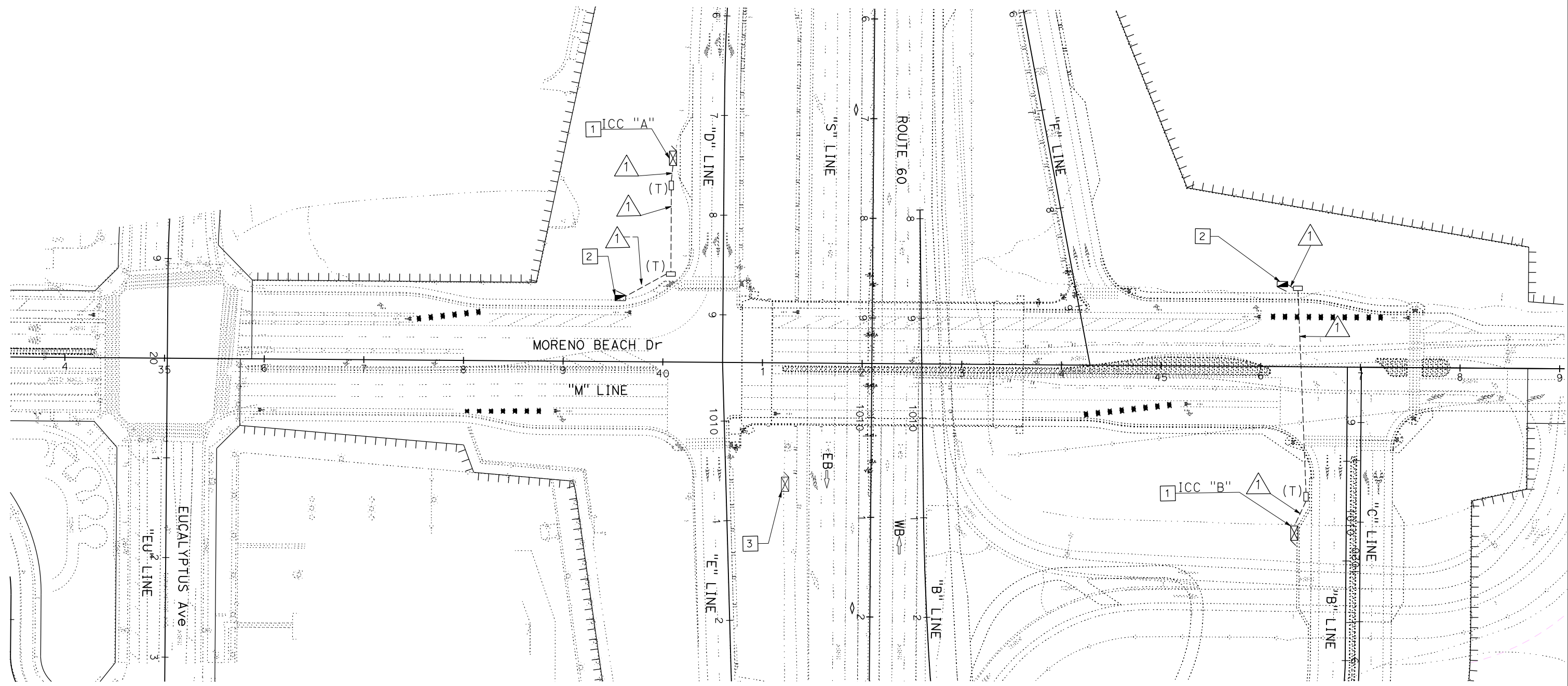
- IRRIGATION CONTROLLER ENCLOSURE CABINET. INSTALL YAGI ANTENNA. SEE IRRIGATION PLANS.
- TYPE III-CF SERVICE ENCLOSURE. PART OF LIGHTING SYSTEM.
- EXIST ICC TO BE REMOVED BY CALTRANS PRIOR TO CONSTRUCTION.

CONDUIT NOTES:

- 2"C, 2#10(ICC), 1#8(G)



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08	Riv	60	18.8/19.6	264	358
Greta Aiken			07/01/20		
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



ELECTRIC SERVICE FOR IRRIGATION
 SCALE 1"=50'
E-8

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

LAST REVISION | DATE PLOTTED => 11-AUG-2020
 00-00-00 | TIME PLOTTED => 12:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	265	358

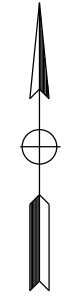
Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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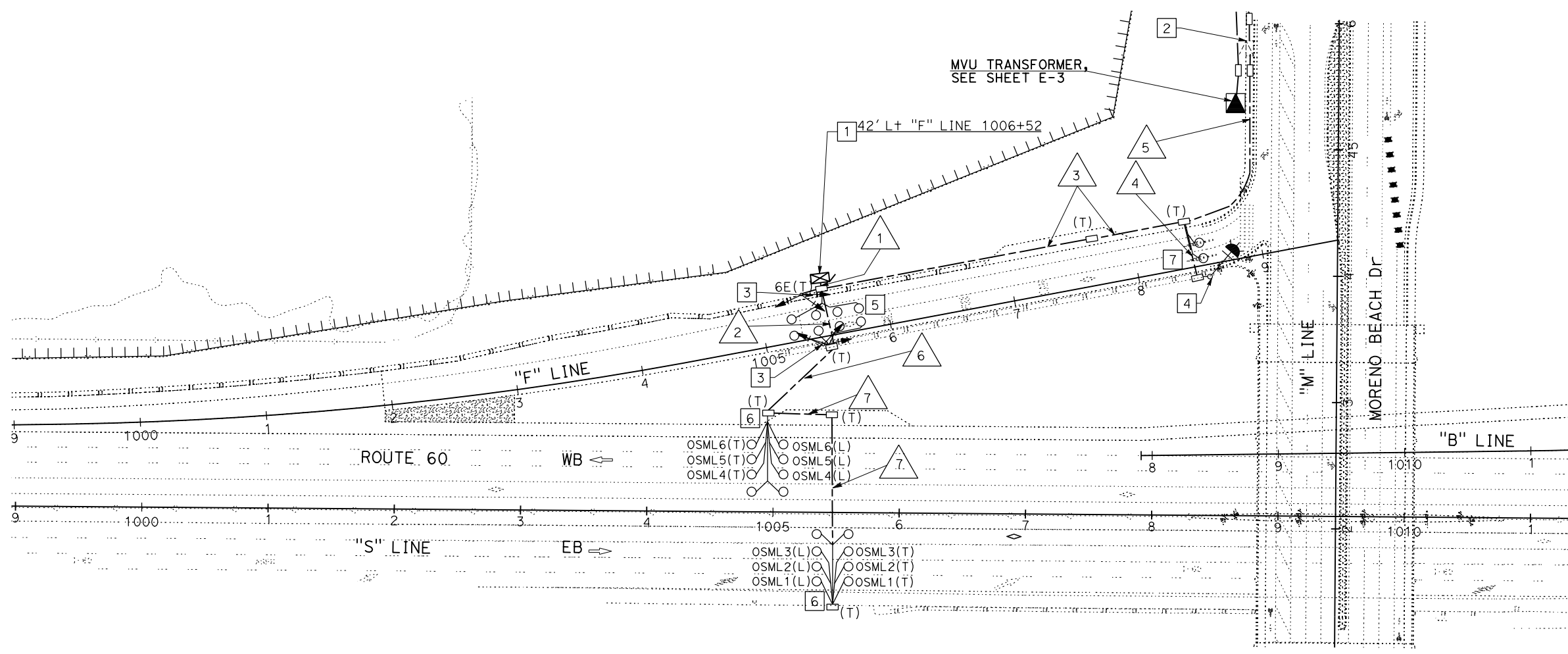


NOTES: (THIS SHEET ONLY)
 ALL PULL BOXES MUST BE TAMPER RESISTANT.

- LEGEND: (THIS SHEET ONLY)**
- 1 INSTALL DEPARTMENT FURNISHED MODEL 2070E CONTROLLER WITH 2070-1C CPU MODULE IN TYPE 334 CABINET ON A NEW FOUNDATION. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER. SEE E-28 FOR INTERCONNECTION.
 - 2 120/240V, TYPE III-CF, METERED SERVICE EQUIPMENT ENCLOSURE. PART OF MODIFYING LIGHTING SYSTEMS.
 - 3 INSTALL TYPE 1-A(10') STANDARD. SEE SHEET ED-3, DETAIL A.
 - 4 INSTALL RAMP METER FLASHING BEACON ON TYPE 1-A(10') STANDARD POLE. SEE DETAIL B, SHEET ED-3.
 - 5 SEE DETAIL "D", SHEET ED-3 FOR RAMP METER INSTALLATION DETAIL.
 - 6 SEE DETAIL "E", SHEET ED-3 FOR MAINLINE LOOP DETECTOR LAYOUT.
 - 7 SEE DETAIL "C", SHEET ED-3 FOR QUEUE LOOP LAYOUT.

CONDUIT SCHEDULE								
AWG	CIRCUIT RUN	1	2	3	4	5	6	7
DLC	QUEUE DETECTOR	2		2				
	DEMAND DETECTOR	2	1					
	PASSAGE DETECTOR	2	1					
	SURVEILLANCE DETECTOR	16	16				16	8
	COUNT DETECTOR							
	TOTAL DLC	22	18	2			16	8
9 CSC	RAMP SIGNAL	2	1					
#6	SERVICE	2		2		2		
#8	GROUND	1	1	1	1	1	1	1
#12	FLASHING BEACON	2		2	2			
	CONDUIT SIZE	2-3"	3"	3"	3"	3"	3"	3"

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIAM HABBBOUSH GRETA AIKEN
 REVISED BY: DATE REVISED:



(LOCATION 1)

MODIFYING RAMP METERING SYSTEMS

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE 1"=50'

E-9

LAST REVISION: 00-00-00 DATE PLOTTED => 11-AUG-2020 TIME PLOTTED => 12:31

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	267	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101	CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552
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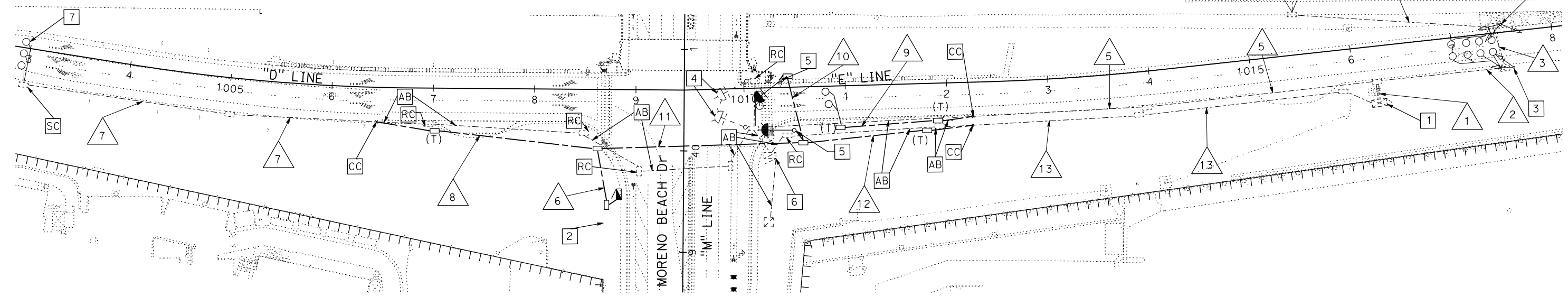


CONDUIT SCHEDULE		1	2	3	4	5	6	7	8	9	10	11	12	13	14
AWG	CIRCUIT RUN	△	△	△	△	△	△	△	△	△	△	△	△	△	△
	STATUS	E	E	E	E	E	(N)	E	(N)	(N)	(N)	(N)	(N)	E	(N)
DLC	QUEUE DETECTOR	2(N)				2(N)				2(N)					
	DEMAND DETECTOR	2	2	1											
	PASSAGE DETECTOR	2	2	1											
	SURVEILLANCE DETECTOR	8	8	8	8										4
	COUNT DETECTOR								3(N)	3(N)		3(N)	3(N)	3(N)	
9 CSC	TOTAL	12/2(N)	12	10	8	2(N)		3(N)	3(N)	2(N)	3(N)	3(N)	3(N)	4	
#6	RAMP SIGNAL	2	2	1											
#8	SERVICE						2(N)				2(N)	2(N)	2(N)		
#12	GROUND	1	1	1	1	1	1(N)	1	1(N)	1(N)	1(N)	1(N)	1	1	
	FLASHING BEACON									2(N)		2(N)	2		
	CONDUIT SIZE	2-3"	3"	3"	2"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"

ALL CONDUCTORS AND CONDUITS ARE EXISTING UNLESS OTHERWISE SHOWN
 (N)=NEW

NOTES: (THIS SHEET ONLY)
 ALL NEW PULL BOXES MUST BE TAMPER RESISTANT.

- LEGEND: (THIS SHEET ONLY)**
- 1 EXIST MODEL 2070 RM CONTROLLER ASSEMBLY TO REMAIN.
 - 2 120/240V, TYPE III-CF, METERED SERVICE EQUIPMENT ENCLOSURE. PART OF MODIFYING LIGHTING SYSTEMS.
 - 3 EXIST TYPE 1-A(10') STANDARD TO REMAIN.
 - 4 RC EXIST "METER ON" SIGN ON TYPE 1 STANDARD AND RC EXIST TYPE 1 STANDRAD.
 - 5 INSTALL TYPE 1 FLASHING BEACON. SEE SHEET ED-3 DETAIL "B".
 - 6 RC RM SERVICE.
 - 7 EXIST OFF RAMP COUNT DETECTORS TO REMAIN.



(LOCATION 3)

MODIFYING RAMP METERING SYSTEMS

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

SCALE: 1"=50'

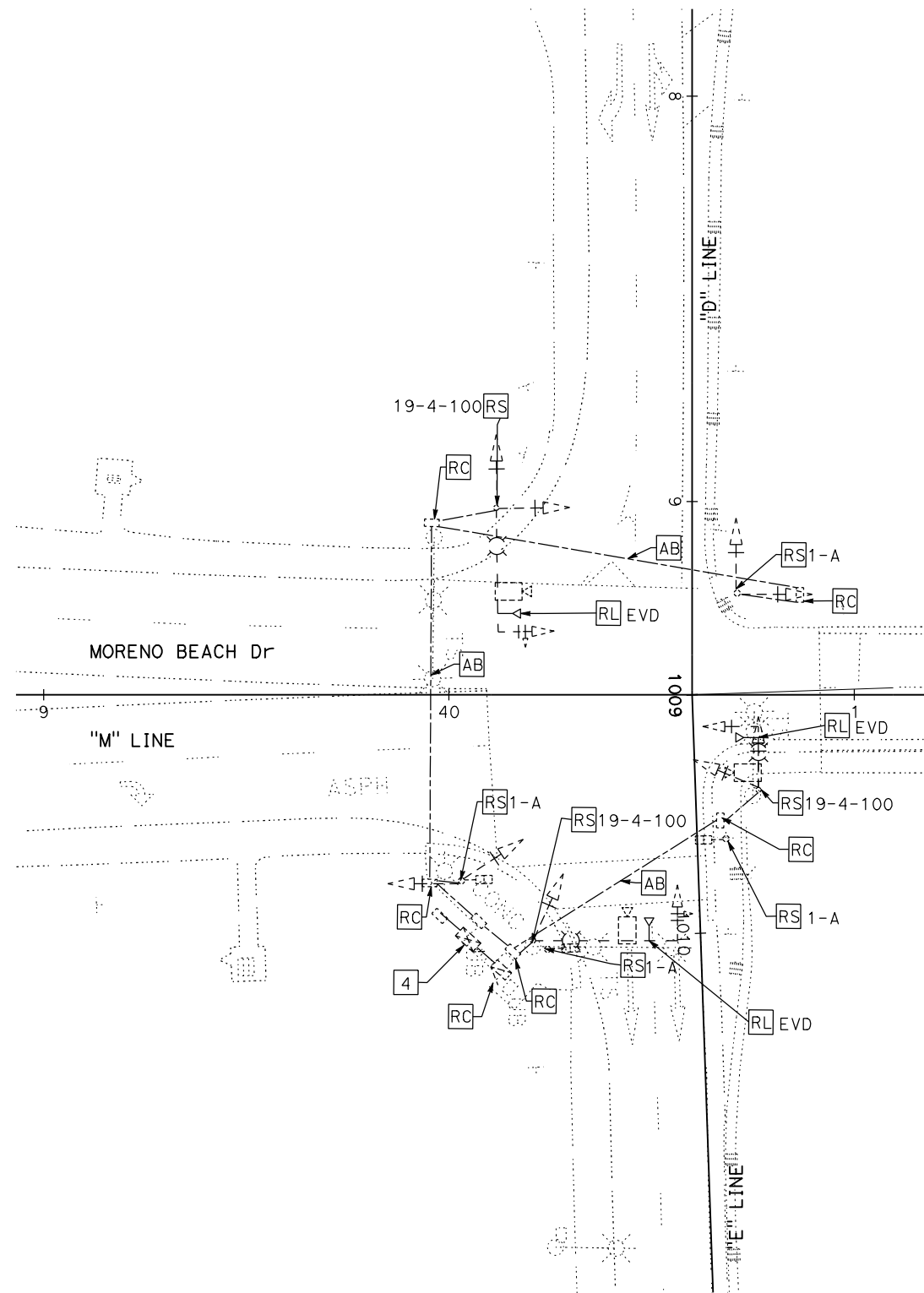
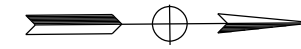
E-11

LAST REVISION DATE PLOTTED => 18-AUG-2020
 00-00-00 TIME PLOTTED => 15:11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIAM HABBOUSH	GRETA AIKEN
REVISED BY	DATE REVISED

NOTES: (THIS SHEET ONLY)

1. **RS** ALL TRAFFIC SIGNAL EQUIPMENT
2. **RC** ALL EXISTING SIGNAL POLE FOUNDATIONS
3. EXIST VIVDS EQUIPMENT MAY BE REUSED FOR TEMPORARY SIGNAL AND LIGHTING
4. RELOCATE EV PHASE SELECTOR TO NEW TRAFFIC SIGNAL CONTROLLER



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08	Riv	60	18.8/19.6	268	358
Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
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(LOCATION 2) REMOVING SIGNAL AND LIGHTING SYSTEMS

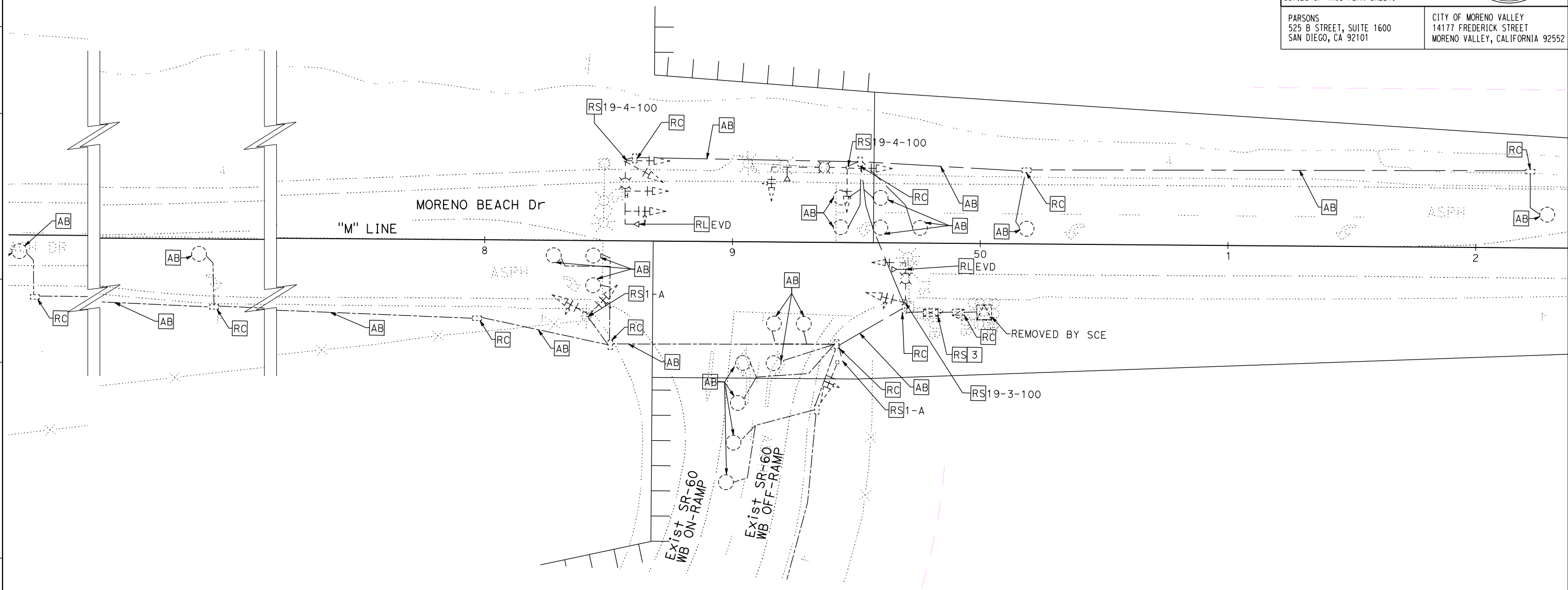
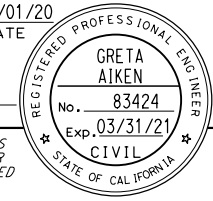
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1" = 20'

E-12

LAST REVISION | DATE PLOTTED => 11-AUG-2020
 00-00-00 | TIME PLOTTED => 12:33

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



- NOTES: (THIS SHEET ONLY)**
1. REMOVE AND SALVAGE ALL TRAFFIC EQUIPMENT AS SHOWN.
 2. REMOVE ALL EXISTING SIGNAL POLE FOUNDATIONS.
 3. RELOCATE EV PHASE SELECTOR TO NEW TRAFFIC SIGNAL CONTROLLER.

REMOVING SIGNAL AND LIGHTING SYSTEMS

(LOCATION 3)

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1" = 20'

E-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
Caltrans	
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED-DESIGNED BY	CHECKED BY
MARIAM HABBUSH	GRETA AIKEN
REVISED BY	DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE REVISED

POLE SCHEDULE							
POLE DATA				LOCATION		REMARKS	
No.	TYPE	CASE	CLASS	LINE	STATION		OFFSET
A	61A-5-100						EXISTING
B	1-A						EXISTING
C	29-5-10						EXISTING
D	15TS						EXISTING
E	29-5-10						EXISTING
F	1-A						EXISTING
G	26-4-80						EXISTING
H	15TS						EXISTING
I	PPB POST						EXISTING
J	PPB POST						EXISTING
K	PPB POST						EXISTING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	270	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

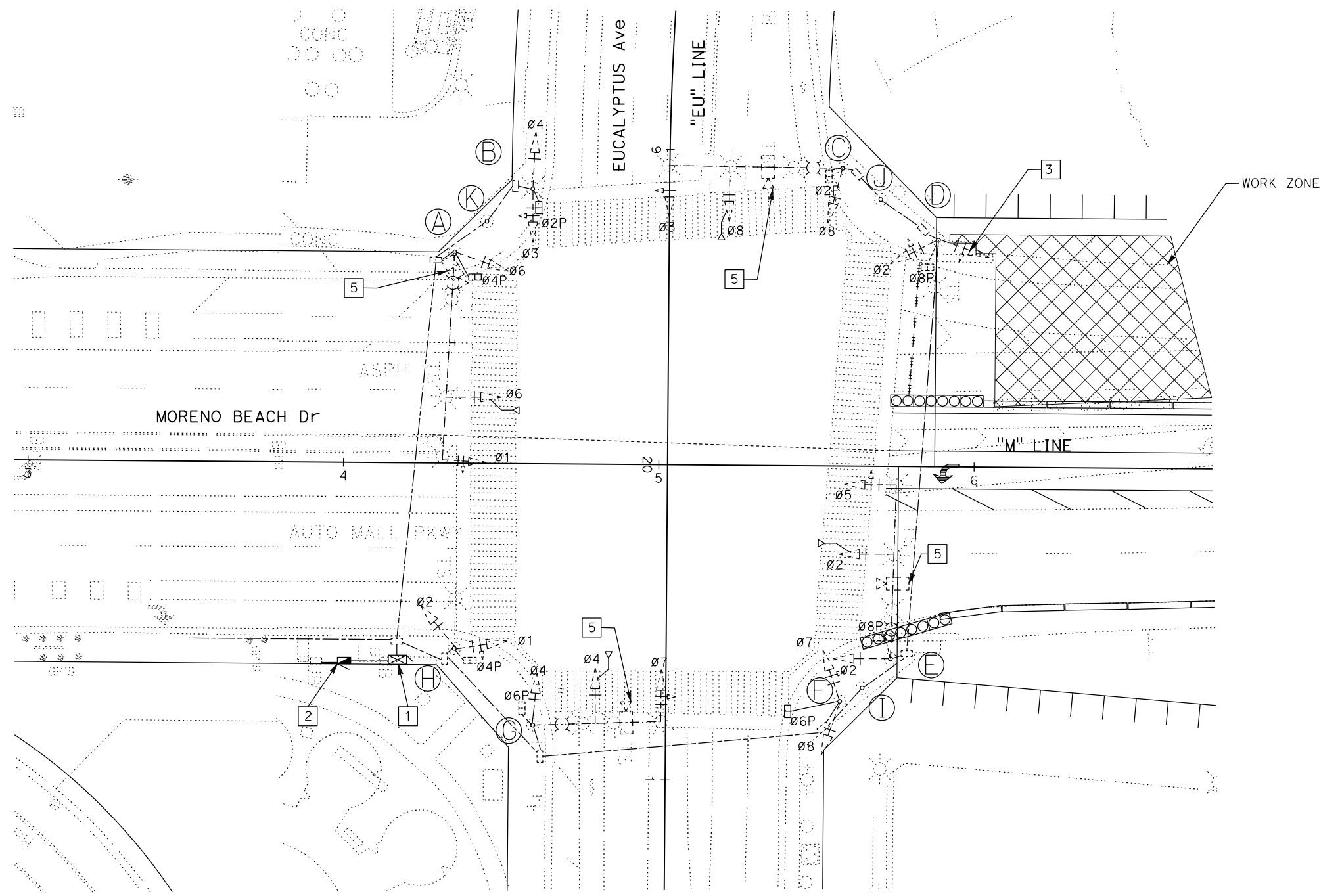
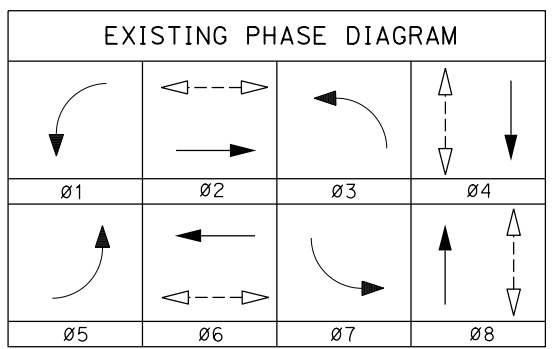
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PARSONS
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 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

LEGEND: (THIS SHEET ONLY)

- 1 EXISTING SIGNAL CONTROLLER TO REMAIN.
- 2 EXISTING TYPE III-CF ELECTRICAL SERVICE ENCLOSURE TO REMAIN.
- 3 BAG EXISTING SIGNAL HEAD.
- 4 NOTE NOT USED
- 5 EXISTING VIDEO DETECTION UNIT.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE VIDEO DETECTION ZONES DURING CONSTRUCTION.



(LOCATION 1, STAGE 1A) TEMPORARY SIGNAL SYSTEMS
 THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY. SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBOUSH
 CHECKED BY: GRETA AIKEN
 REVISOR: REVISED BY: DATE REVISOR: DATE REVISOR: DATE

POLE SCHEDULE							
POLE DATA				LOCATION		REMARKS	
No.	TYPE	CASE	CLASS	LINE	STATION		OFFSET
A	61A-5-100						EXISTING
B	1-A						EXISTING
C	29-5-10						EXISTING
D	15TS						EXISTING
E	29-5-10						EXISTING
F	1-A						EXISTING
G	26-4-80						EXISTING
H	15TS						EXISTING
I	PPB POST						EXISTING
J	PPB POST						EXISTING
K	PPB POST						EXISTING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	271	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE: 07/01/20

PLANS APPROVAL DATE: _____

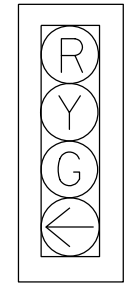
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

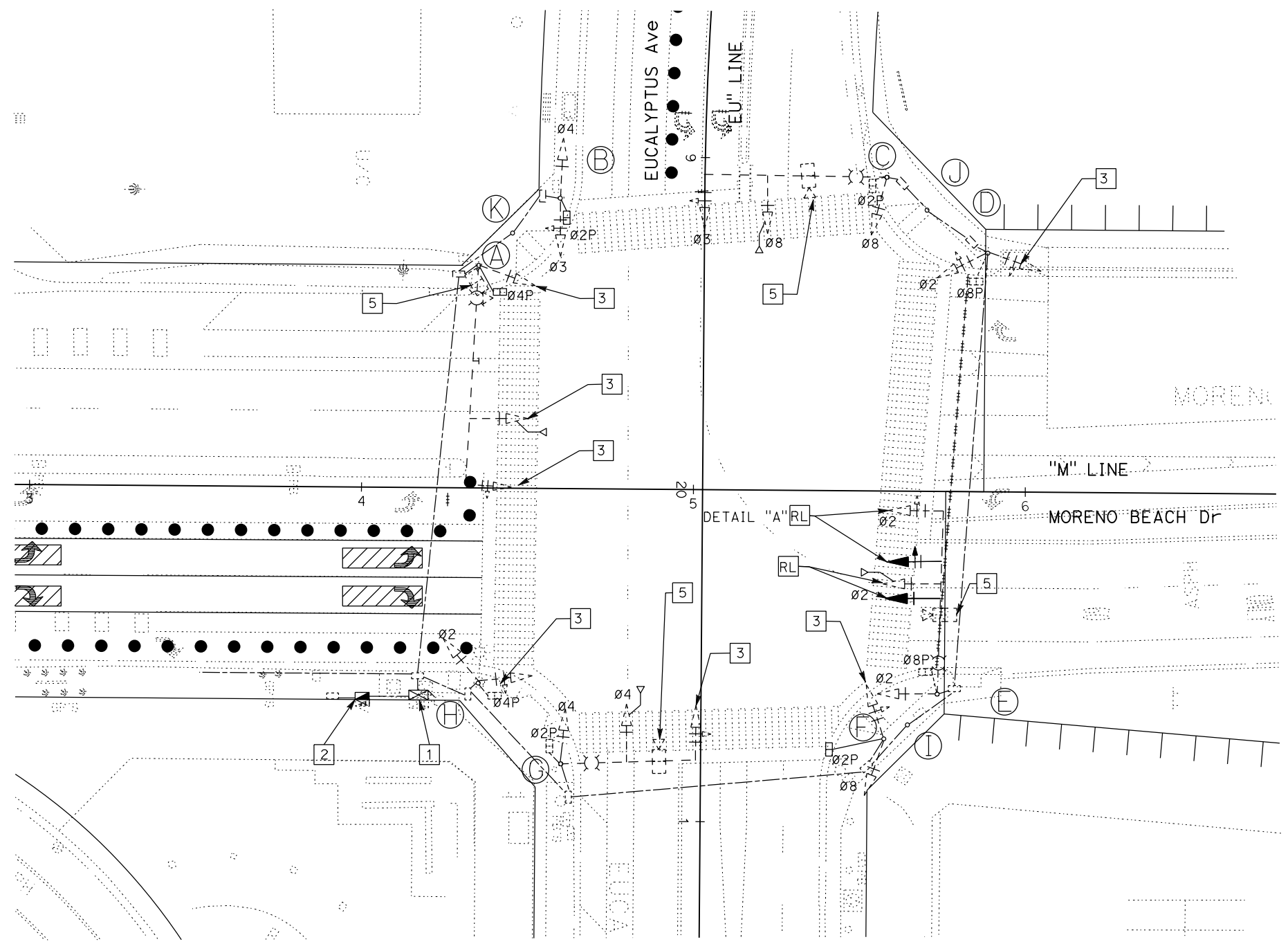
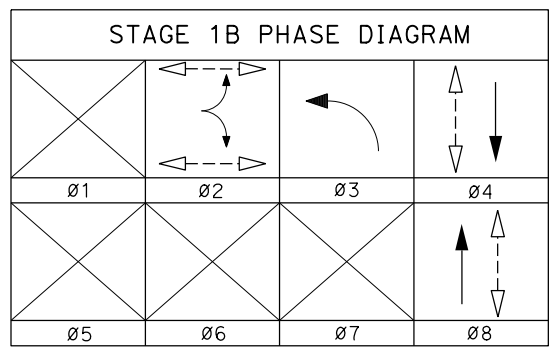
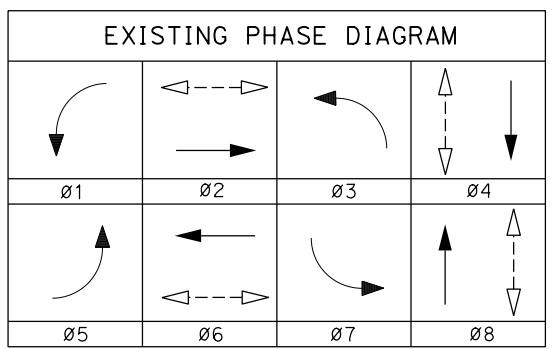
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

LEGEND: (THIS SHEET ONLY)

- 1 EXISTING SIGNAL CONTROLLER TO REMAIN.
- 2 EXISTING TYPE III-CF ELECTRICAL SERVICE ENCLOSURE TO REMAIN.
- 3 BAG EXISTING SIGNAL HEAD.
- 4 NOTE NOT USED
- 5 EXISTING VIDEO DETECTION UNIT.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE VIDEO DETECTION ZONES DURING CONSTRUCTION.



DETAIL "A"
NO SCALE



(LOCATION 1, STAGE 1B) TEMPORARY SIGNAL SYSTEMS
 THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY. SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE REVISED

POLE SCHEDULE							
POLE DATA				LOCATION			REMARKS
No.	TYPE	CASE	CLASS	LINE	STATION	OFFSET	
A	61A-5-100						EXISTING
B	1-A						EXISTING
C	29-5-10						EXISTING
D	15TS						EXISTING
E	29-5-10						EXISTING
F	1-A						EXISTING
G	26-4-80						EXISTING
H	15TS						EXISTING
I	PPB POST						EXISTING
J	PPB POST						EXISTING
K	PPB POST						EXISTING
L	WOOD POLE	3GT	H-5	MORENO BEACH DR	36+04.17	68.92 L+	NEW
M	WOOD POLE	3GT	H-5	MORENO BEACH DR	35+84.26	9.50 R+	NEW

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	272	358

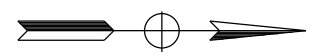
Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

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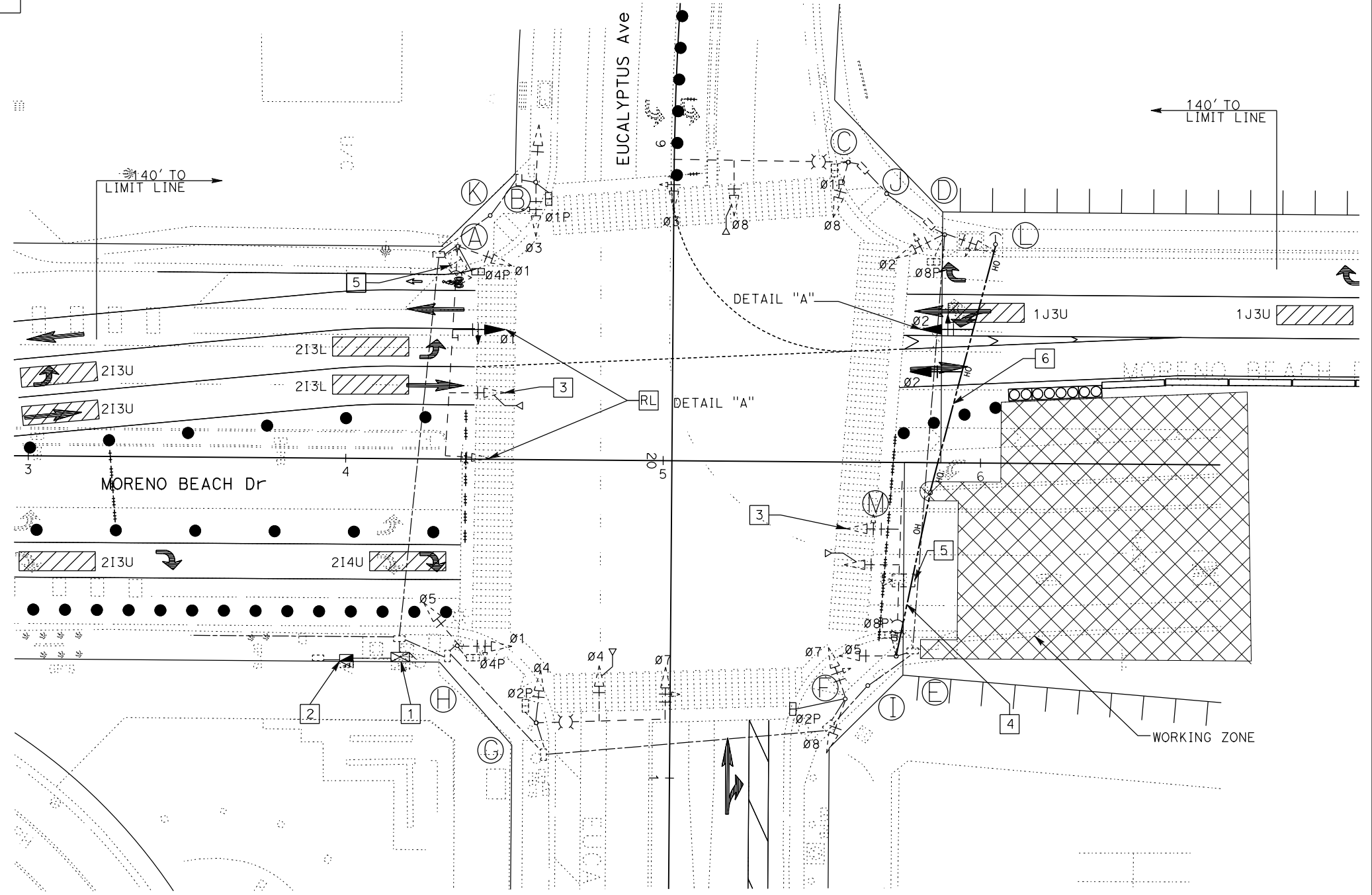
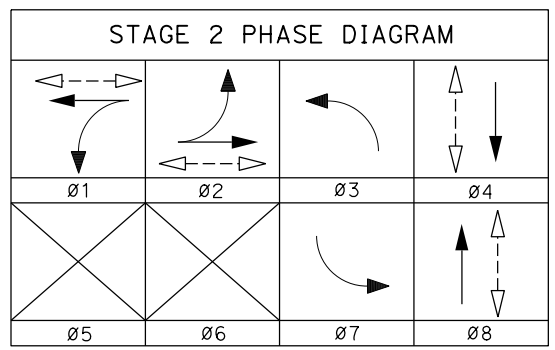
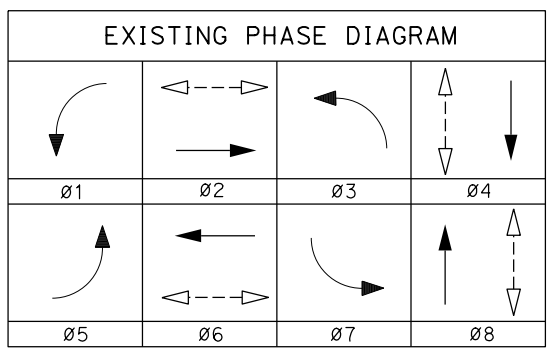
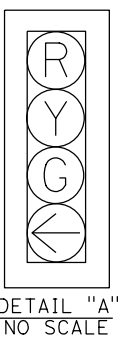
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



LEGEND: (THIS SHEET ONLY)

- 1 EXISTING SIGNAL CONTROLLER TO REMAIN.
- 2 EXISTING TYPE III-CF ELECTRICAL SERVICE ENCLOSURE TO REMAIN.
- 3 BAG EXISTING SIGNAL HEAD.
- 4 CONNECT PHASE CONDUCTORS TO TERMINAL BLOCK.
- 5 EXISTING VIDEO DETECTION UNIT.
- 6 3/8" SPAN WIRE, 12 CSC, 1#8 G
7. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE VIDEO DETECTION ZONES DURING CONSTRUCTION



(LOCATION 1, STAGE 2)

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS

SCALE: 1" = 20'

E-16

LAST REVISION DATE PLOTTED => 11-AUG-2020
 00-00-00 TIME PLOTTED => 12:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARTAM HABBOUSH GRETA AIKEN
 REVISED BY DATE REVISED

POLE SCHEDULE							
POLE DATA			LOCATION			REMARKS	
No.	TYPE	CASE	CLASS	LINE	STATION		OFFSET
A	61A-5-100						EXISTING
B	1-A						EXISTING
C	29-5-10						EXISTING
D	15TS						EXISTING
E	29-5-10						EXISTING
F	1-A						EXISTING
G	26-4-80						EXISTING
H	15TS						EXISTING
I	PPB POST						EXISTING
J	PPB POST						EXISTING
K	PPB POST						EXISTING
L	WOOD POLE						REMOVE
M	WOOD POLE						REMOVE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	273	358

Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

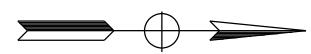
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

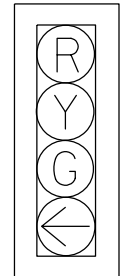
CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA

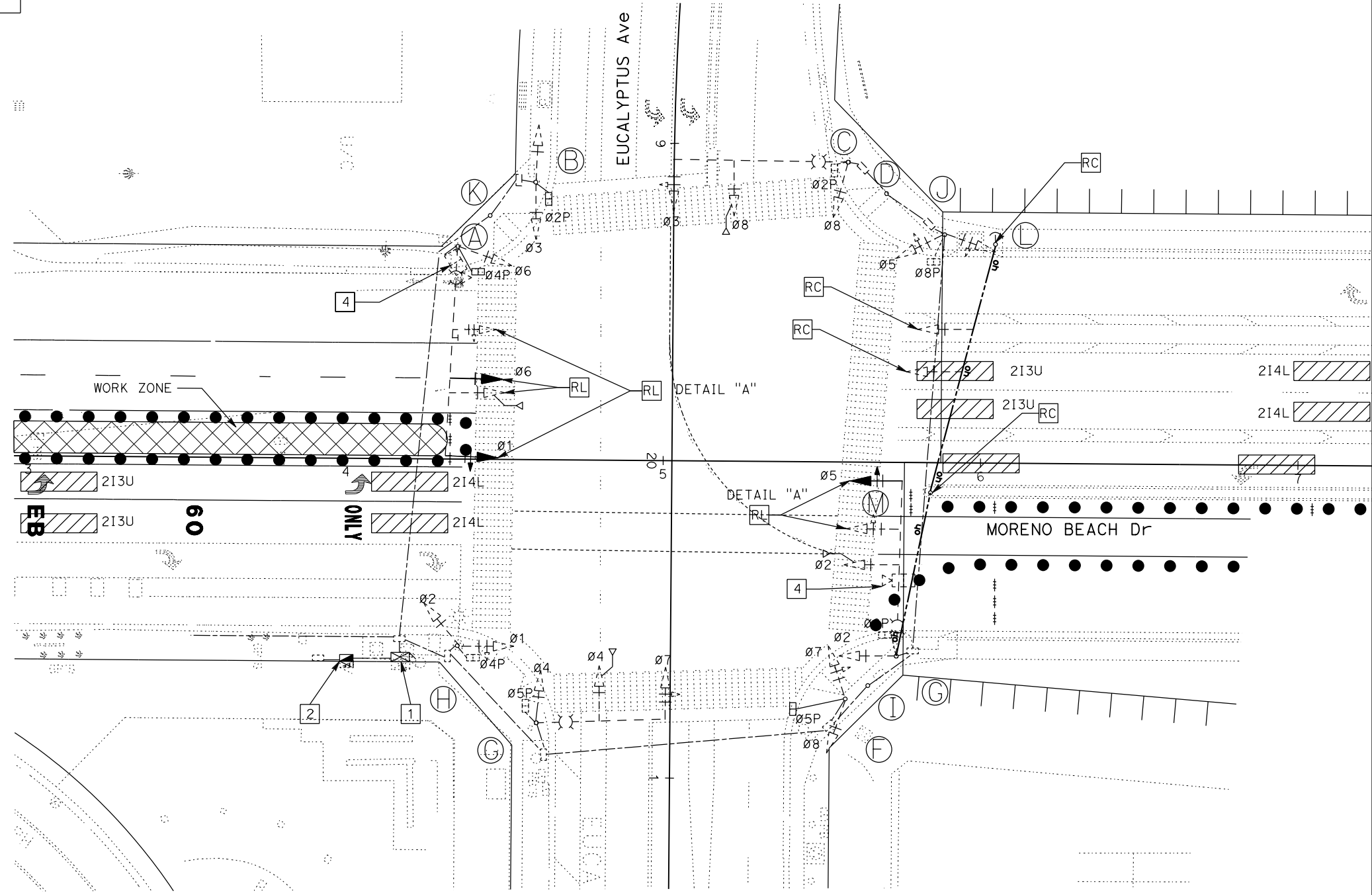
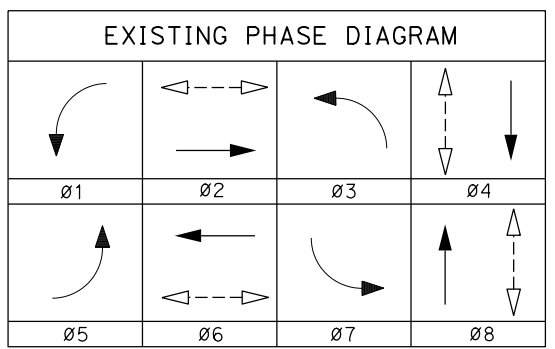


LEGEND: (THIS SHEET ONLY)

- EXISTING SIGNAL CONTROLLER TO REMAIN.
- EXISTING TYPE III-CF ELECTRICAL SERVICE ENCLOSURE TO REMAIN.
- BAG EXISTING SIGNAL HEAD.
- EXISTING VIDEO DETECTION UNIT.
- REMOVE ALL THE TEMPORARY SIGNALS ONCE STAGE 3A IS COMPLETE



DETAIL "A"
NO SCALE



(LOCATION 1, STAGE 3A)
 THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS

SCALE: 1" = 20'

E-17

LAST REVISION DATE PLOTTED => 11-AUG-2020 00-00-00 TIME PLOTTED => 12:35

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: MARIAM HABBOUSH
 DATE REVISED: GRETA AIKEN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	274	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE: 07/01/20

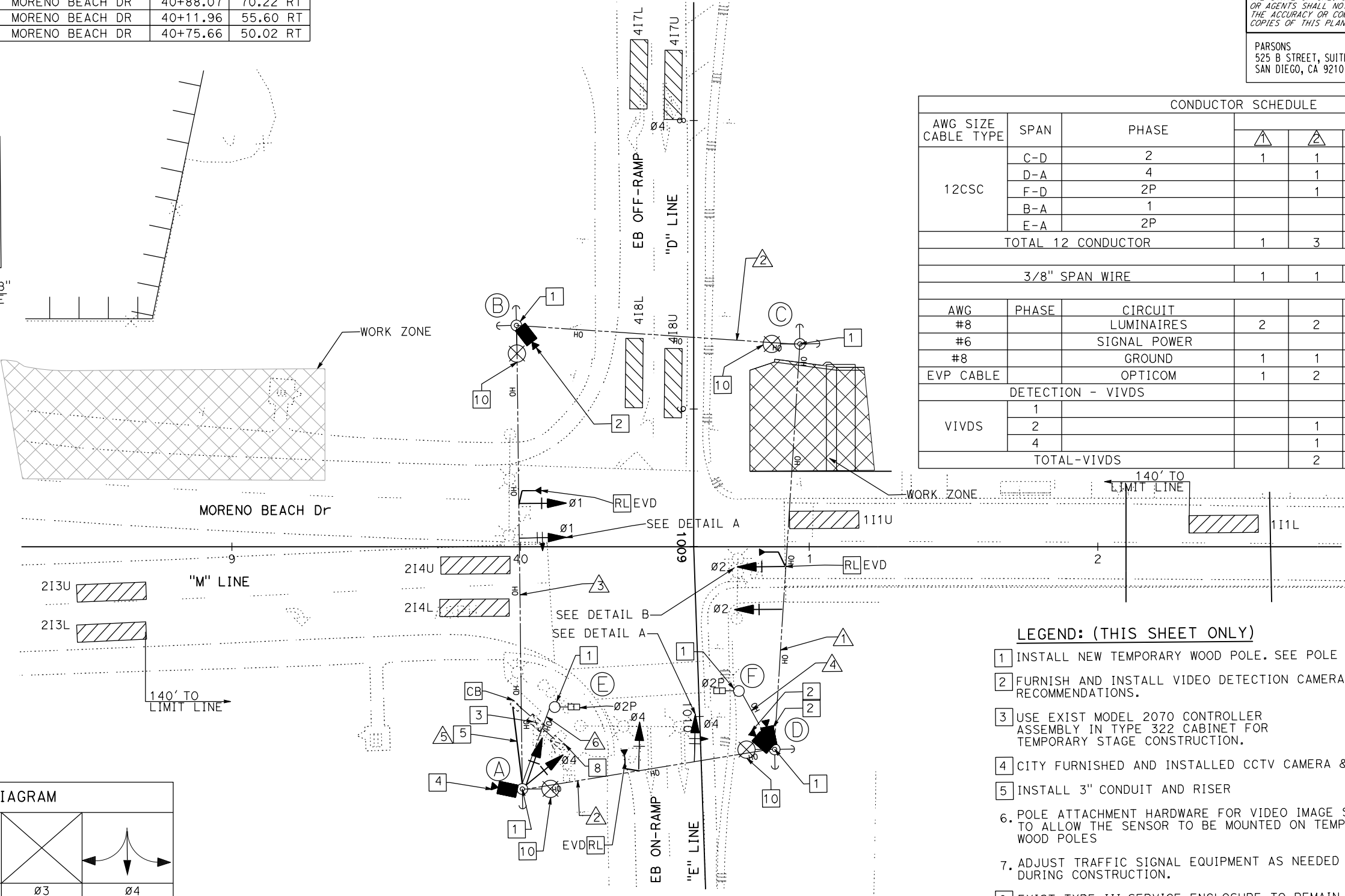
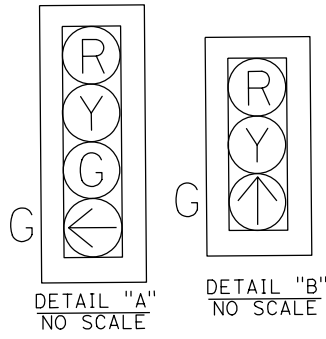
PLANS APPROVAL DATE: _____

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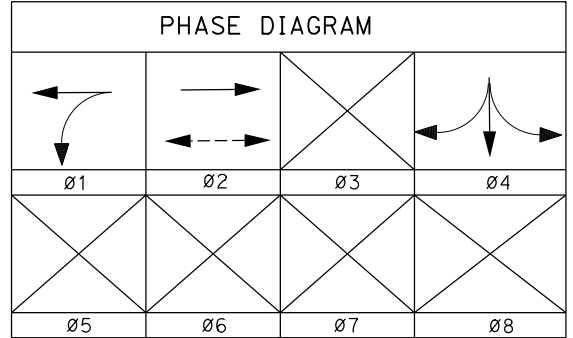
PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

POLE SCHEDULE					
POLE	CASE	POLE CLASS	LOCATION		
			LINE	STATION	OFFSET
A	3GT	H-5	MORENO BEACH DR	40+00.64	83.95 RT
B	3GT	H-5	MORENO BEACH DR	39+98.58	76.68 LT
C	3GT	H-5	MORENO BEACH DR	40+96.82	70.25 LT
D	3GT	H-5	MORENO BEACH DR	40+88.07	70.22 RT
E	1GT	H-2	MORENO BEACH DR	40+11.96	55.60 RT
F	1GT	H-2	MORENO BEACH DR	40+75.66	50.02 RT



CONDUCTOR SCHEDULE								
AWG SIZE CABLE TYPE	SPAN	PHASE	RUN NO.					
			1	2	3	4	5	6
12CSC	C-D	2	1	1			1	
	D-A	4		1			1	
	F-D	2P		1		1	1	
	B-A	1			1		1	
	E-A	2P					1	1
TOTAL 12 CONDUCTOR			1	3	1	1	5	1
3/8" SPAN WIRE			1	1	1	1	1	1
AWG	PHASE	CIRCUIT						
#8		LUMINAIRES	2	2	2		2	
#6		SIGNAL POWER						
#8		GROUND	1	1	1	1	1	1
EVP CABLE		OPTICOM	1	2	1		3	
DETECTION - VIVDS								
VIVDS	1				1		1	
	2				1		1	
	4				1		1	
TOTAL-VIVDS				2	1		3	



- LEGEND: (THIS SHEET ONLY)**
- 1 INSTALL NEW TEMPORARY WOOD POLE. SEE POLE SCHEDULE
 - 2 FURNISH AND INSTALL VIDEO DETECTION CAMERA PER MANUFACTURER'S RECOMMENDATIONS.
 - 3 USE EXIST MODEL 2070 CONTROLLER ASSEMBLY IN TYPE 322 CABINET FOR TEMPORARY STAGE CONSTRUCTION.
 - 4 CITY FURNISHED AND INSTALLED CCTV CAMERA & EQUIPMENT
 - 5 INSTALL 3" CONDUIT AND RISER
 6. POLE ATTACHMENT HARDWARE FOR VIDEO IMAGE SENSOR TO ALLOW THE SENSOR TO BE MOUNTED ON TEMPORARY WOOD POLES
 7. ADJUST TRAFFIC SIGNAL EQUIPMENT AS NEEDED DURING CONSTRUCTION.
 - 8 EXIST TYPE III SERVICE ENCLOSURE TO REMAIN THIS STAGE.
 9. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE VIDEO DETECTION ZONES DURING CONSTRUCTION.
 - 10 165W LED LUMINAIRE ON 8' LMA.

(LOCATION 2, STAGE 1A)

TEMPORARY SIGNAL SYSTEMS

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

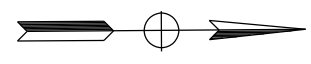
SCALE: 1" = 20'

E-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBOUSH
 CHECKED BY: GRETA AIKEN
 REVISOR: DATE
 REVISED BY: DATE

CONDUCTOR SCHEDULE						
AWG SIZE CABLE TYPE	SPAN	PHASE	RUN NO.			
			1	2	3	4
12CSC	C-D	2	1	1	1	1
	D-A	4		1	1	1
	B-A	1		1	1	1
TOTAL 12 CONDUCTOR			1	1	1	3
3/8" SPAN WIRE			1	1	1	1
AWG	PHASE	CIRCUIT				
#8		LUMINAIRES	2	2	2	2
#6		SIGNAL POWER				
#8		GROUND	1	1	1	1
EVP CABLE		OPTICOM	1	1	2	3
DETECTION - VIVDS						
VIVDS	1					1
	2		1			1
	4					1
TOTAL- VIVDS			0	1	0	3

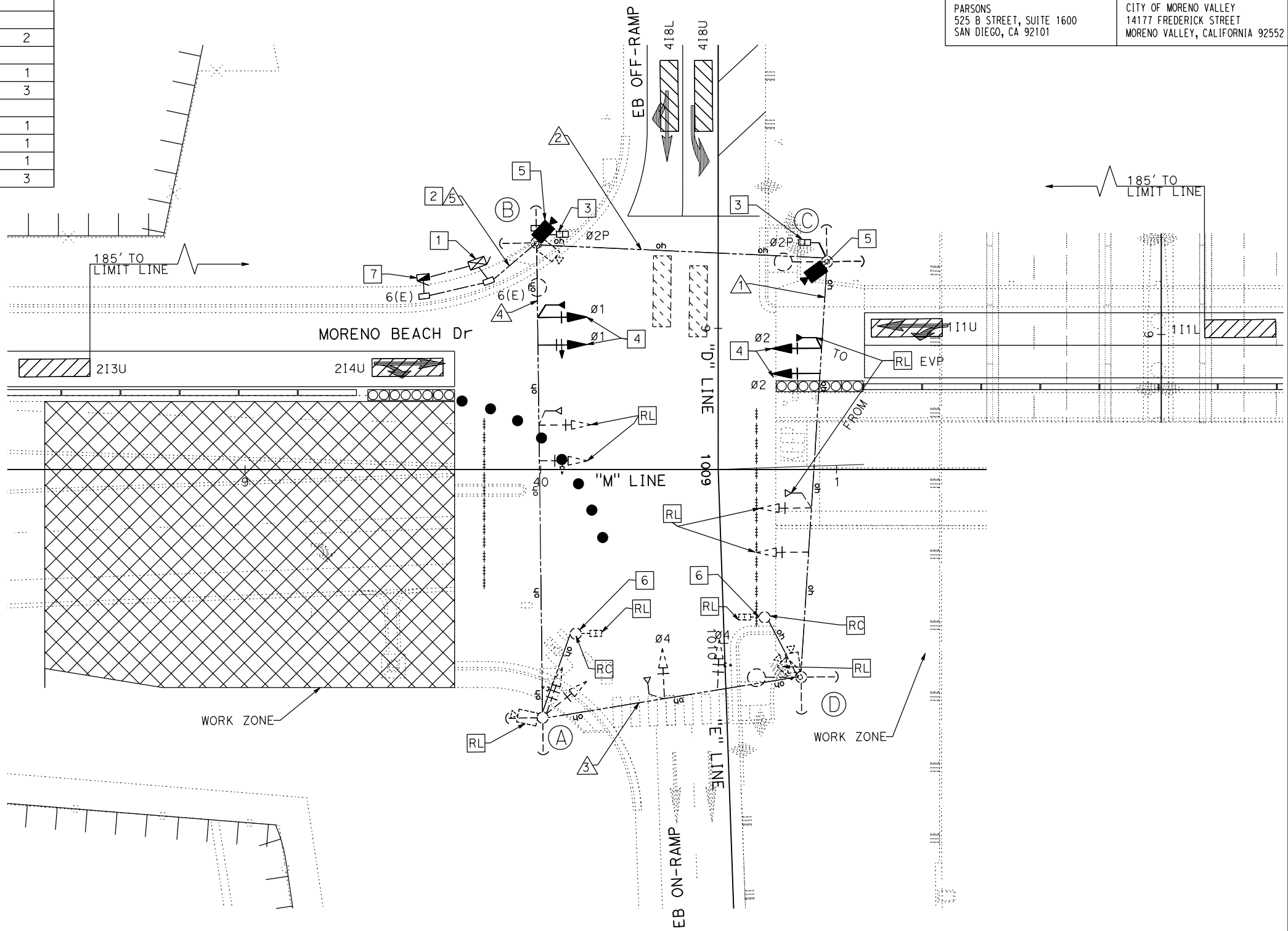
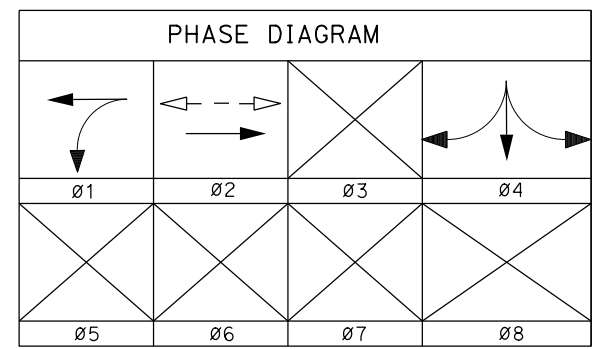
NOTES: (THIS SHEET ONLY)
 SEE SHEET E-18 FOR POLE SCHEDULE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	275	358
Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

LEGEND: (THIS SHEET ONLY)

- 1 MODEL 2070 CONTROLLER ASSEMBLY. PART OF SIGNAL AND LIGHTING SYSTEM.
- 2 3" TEMPORARY CONDUIT AND RISER.
- 3 RL PEDESTRIAN SIGNAL HEAD AND PPB ASSEMBLY FROM STAGE 1A.
- 4 RL TRAFFIC SIGNAL HEAD & EVD FROM STAGE 1A.
- 5 RL VIDEO DETECTION CAMERA PER MANUFACTURER'S RECOMMENDATIONS.
- 6 RC TEMPORARY WOOD POLES.
- 7 TYPE III SERVICE EQUIPMENT ENCLOSURE. PART OF SIGNAL AND LIGHTING SYSTEM.



(LOCATION 2, STAGE 2)

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS

SCALE: 1" = 20'

E-19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	276	358

Greta Aiken 07/01/20
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

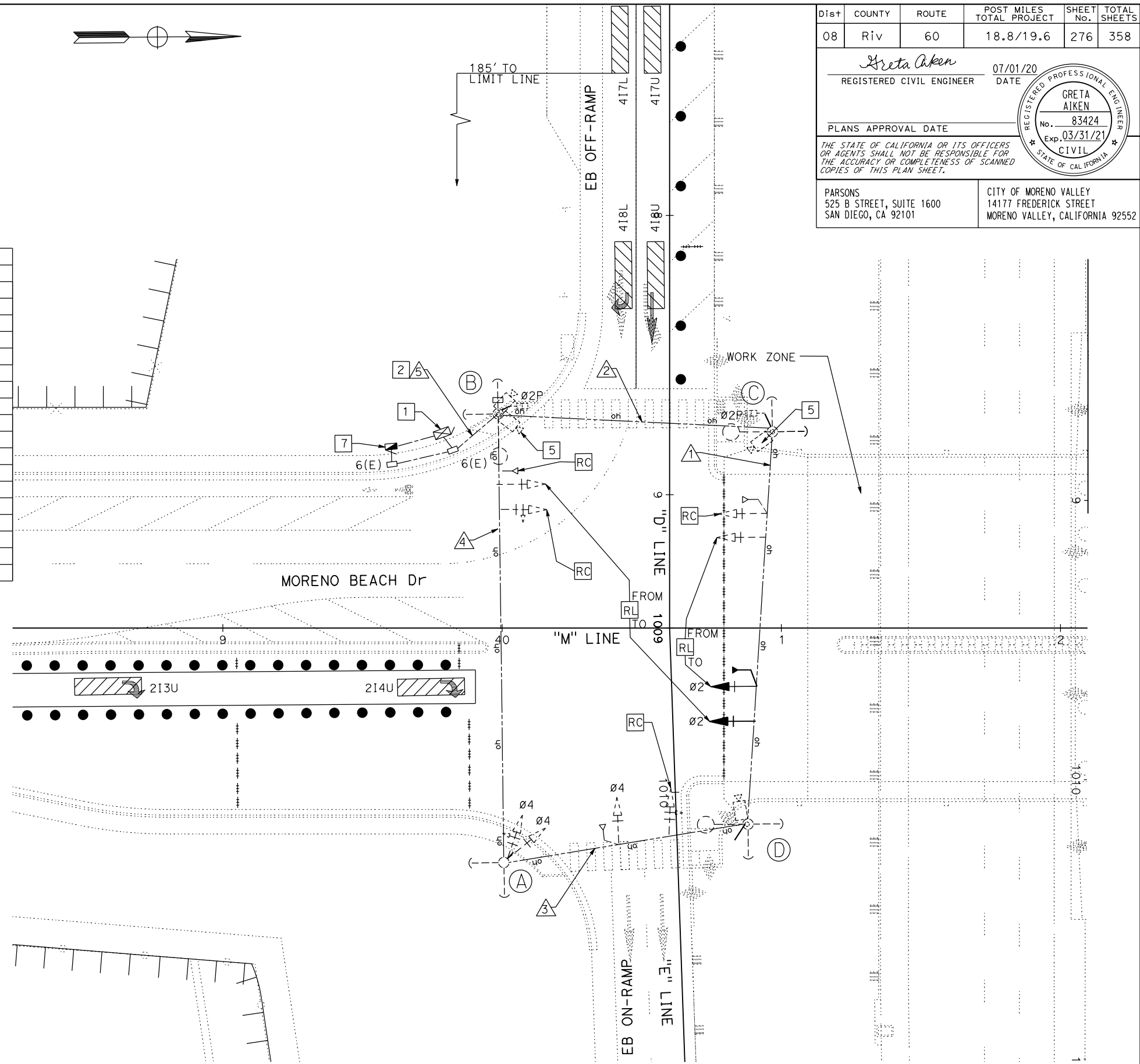
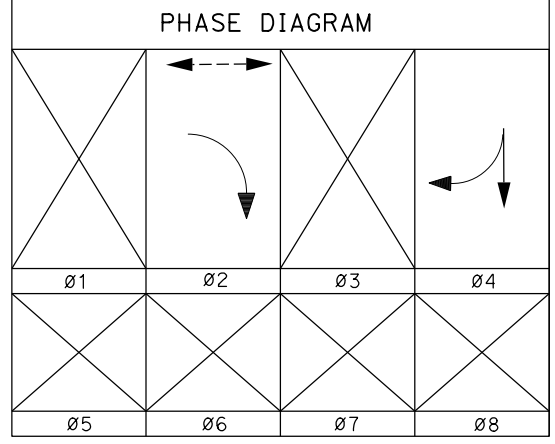
LEGEND: (THIS SHEET ONLY)

- 1 MODEL 2070 CONTROLLER ASSEMBLY. PART OF SIGNAL AND LIGHTING SYSTEM.
- 2 3" TEMPORARY CONDUIT AND RISER.
- 3 INSTALL NEW PEDESTRIAN SIGNAL HEAD AND PPB ASSEMBLY FROM STAGE 1A.
- 4 RL TRAFFIC SIGNAL HEAD & EVD FROM STAGE 2.
- 5 RC VIDEO DETECTION CAMERA
- 6 RC TEMPORARY WOOD POLES.

CONDUCTOR SCHEDULE							
AWG SIZE CABLE TYPE	SPAN	PHASE	RUN NO.				
			1	2	3	4	5
12CSC	C-D	2	1	1			1
	D-A	4			1	1	1
	B-A	1				1	1
TOTAL 12 CONDUCTOR			1	1	1	2	3
3/8" SPAN WIRE			1	1	1	1	
AWG	PHASE	CIRCUIT					
#8		LUMINAIRES		2	2	2	2
#6		SIGNAL POWER					
#8		GROUND	1	1	1	1	1
EVP CABLE		OPTICOM	1	1	1	2	3
DETECTION - VIVDS							
VIVDS	1					1	1
	2		1	1			1
	4				1	1	1
TOTAL - VIVDS			1	1	1	2	3

- 7 TYPE III SERVICE EQUIPMENT ENCLOSURE. PART OF SIGNAL AND LIGHTING SYSTEM.

NOTES: (THIS SHEET ONLY)
SEE SHEET E-18 FOR POLE SCHEDULE



(LOCATION 2, STAGE 3A)
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS
SCALE: 1" = 20'
E-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
CALCULATED/DESIGNED BY CHECKED BY
MARTAM HABBUSH GRETA AIKEN
REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	277	358

Greta Aiken
REGISTERED CIVIL ENGINEER DATE 07/01/20

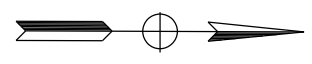
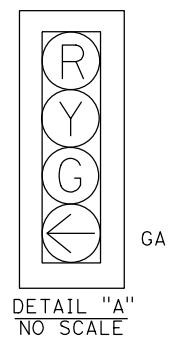
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

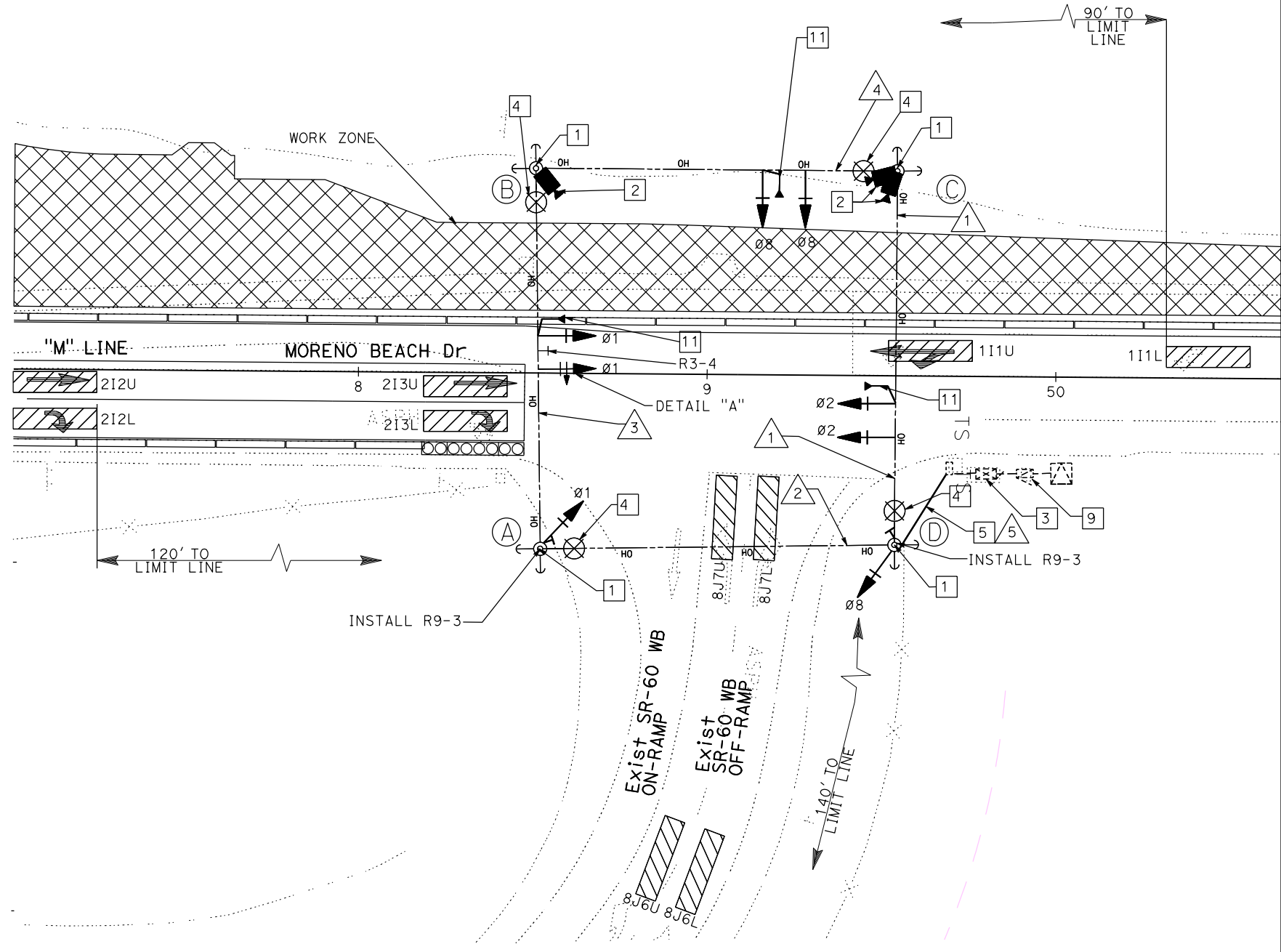
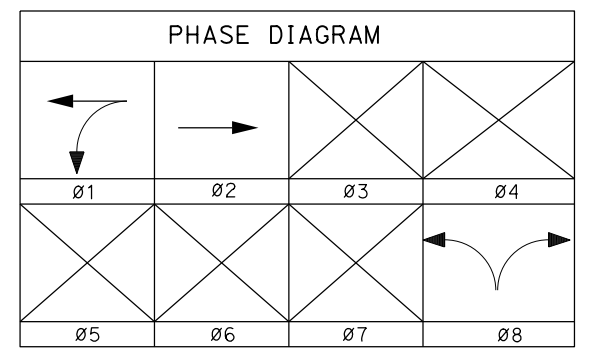
CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

POLE SCHEDULE					
POLE	CASE	POLE CLASS	LOCATION		
			LINE	STATION	OFFSET
A	3GT	H-5	MORENO BEACH DR	48+51.58	48.75 RT
B	3GT	H-5	MORENO BEACH DR	48+51.59	58.67 LT
C	3GT	H-5	MORENO BEACH DR	49+54.72	58.73 LT
D	3GT	H-5	MORENO BEACH DR	49+54.72	48.50 RT



CONDUCTOR SCHEDULE							
AWG SIZE CABLE TYPE	SPAN	PHASE	RUN NO.				
			▲	▲	▲	▲	▲
12CSC	B-C	8	1			1	1
	C-D	2	1				1
	B-A	6		1	1		1
	A-D						
TOTAL 12 CONDUCTOR			2	1	1	1	3
3/8" SPAN WIRE			1	1	1	1	
AWG		CIRCUIT					
#8		LUMINAIRES	2	2		2	2
#6		SIGNAL POWER					
#8		GROUND	1	1	1	1	1
EVP CABLE		OPTICOM	2	1	1	1	3
VIVDLS CABLE		POWER #6 AWG				2	2
		COAXIAL/ETHERNET	1			1	1
TOTAL			11	6	4	9	12

- LEGEND: (THIS SHEET ONLY)**
- INSTALL NEW TEMPORARY WOOD POLE. SEE POLE SCHEDULE.
 - FURNISH AND INSTALL IMAGE SENSOR CAMERA PER MANUFACTURER'S RECOMMENDATIONS.
 - EXIST MODEL 2070 CONTROLLER ASSEMBLY IN TYPE 322 CABINET TO REMAIN FOR THIS STAGE.
 - 165W LED LUMINAIRE ON 8' LMA
 - INSTALL 3" CONDUIT AND RISER.
 - PROVIDE NECESSARY HARDWARE ON TEMPORARY WOOD POLES TO INSTALL VIDEO IMAGE SENSOR CAMERAS AND EMERGENCY VEHICLE SENSORS.
 - ADJUST TRAFFIC SIGNAL EQUIPMENT AS NEEDED DURING CONSTRUCTION.
 - SEE STANDARD PLANS ES-19A THRU ES-19E FOR TEMPORARY WOOD POLES.
 - EXIST TYPE III SERVICE ENCLOSURE TO REMAIN FOR THIS STAGE.
 - CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE VIDEO DETECTION ZONES DURING CONSTRUCTION.
 - FURNISH AND INSTALL EMERGENCY PREEMPTION SENSOR. (SEE RSP ES-4E).



(LOCATION 3, STAGE 1A)

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS

SCALE: 1" = 20'

E-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT SUPERVISOR: NICOLE DEPUY
CALCULATED/DESIGNED BY: MARIAM HABBOUSH
CHECKED BY: GRETA AIKEN

REVISOR: MARIAM HABBOUSH
DATE: 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	278	358

Greta Aiken
REGISTERED CIVIL ENGINEER DATE 07/01/20

PLANS APPROVAL DATE

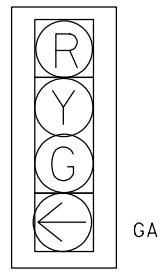
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
525 B STREET, SUITE 1600
SAN DIEGO, CA 92101

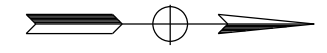
CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CALIFORNIA 92552

LEGEND: (THIS SHEET ONLY)

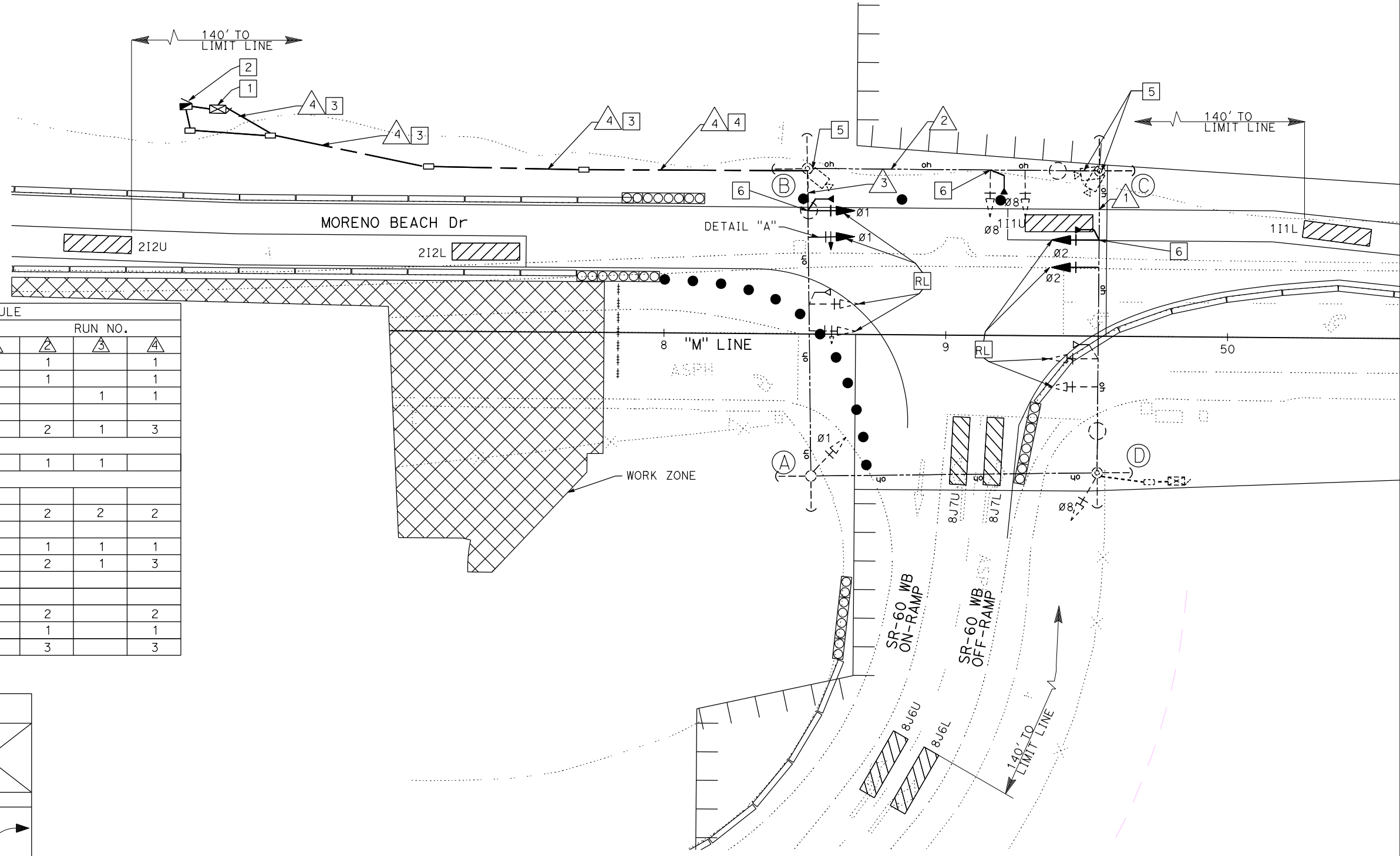
- 1 MODEL 2070 CONTROLLER ASSEMBLY, PART OF SIGNAL AND LIGHTING SYSTEM (LOCATION 1). INSTALL VIDEO IMAGE PROCESSOR.
- 2 TYPE III-CF ELECTRICAL SERVICE ENCLOSURE. PART OF LIGHTING SYSTEM PLANS.
- 3 CONDUITS PART OF PERMANENT SIGNAL SYSTEM. SEE SIGNAL AND LIGHTING SYSTEM (LOCATION 1).
- 4 INSTALL 3"C AND RISER.
- 5 Exist IMAGE SENSOR CAMERA
- 6 RL EMERGENCY PREEMPTION SENSOR.



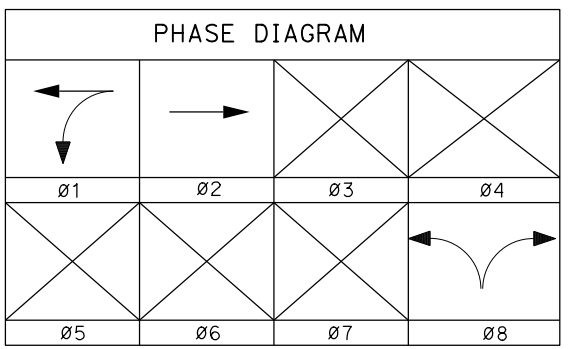
DETAIL "A"
NO SCALE



NOTES: (THIS SHEET ONLY)
SEE SHEET E-21 FOR POLE SCHEDULE



CONDUCTOR SCHEDULE						
AWG SIZE CABLE TYPE	SPAN	PHASE	RUN NO.			
			1	2	3	4
12CSC	B-C	8		1		1
	C-D	2	1	1		1
	B-A	6			1	1
	A-D					
TOTAL 12 CONDUCTOR			1	2	1	3
3/8" SPAN WIRE			1	1	1	
AWG #8		CIRCUIT LUMINAIRES	2	2	2	2
#4		SIGNAL POWER				
#8		GROUND	1	1	1	1
EVP CABLE		OPTICOM	1	2	1	3
VIVDS CABLE		POWER #6 AWG		2		2
		COAXIAL / ETHERNET		1		1
TOTAL-VIVDS				3		3



(LOCATION 3, STAGE 2)
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TEMPORARY SIGNAL SYSTEMS

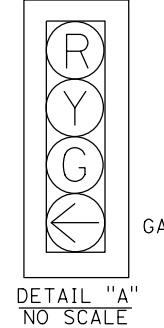
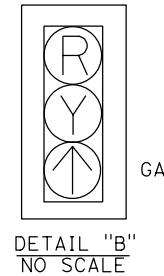
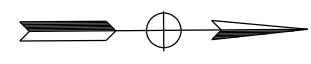
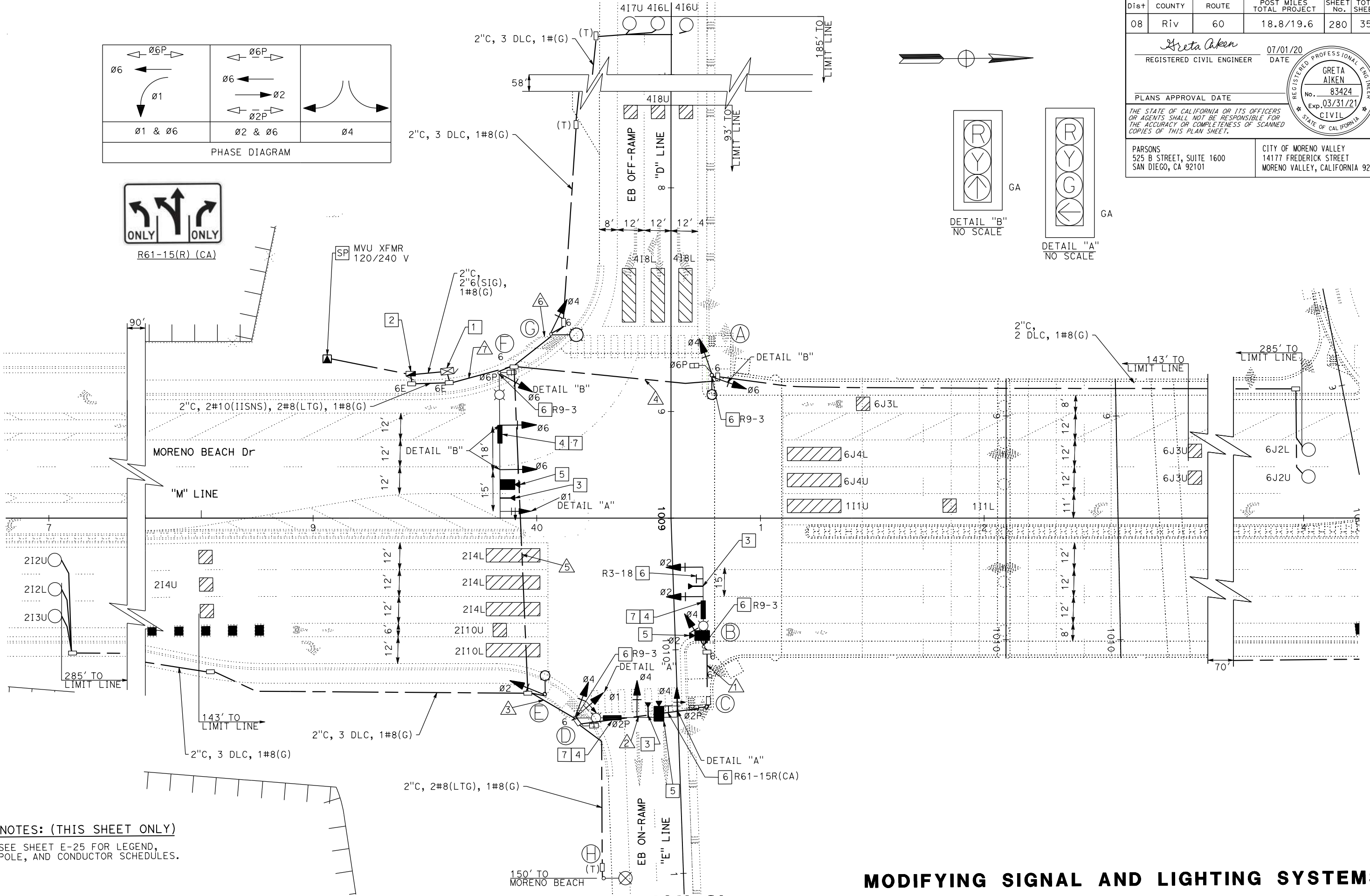
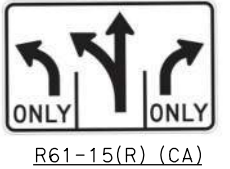
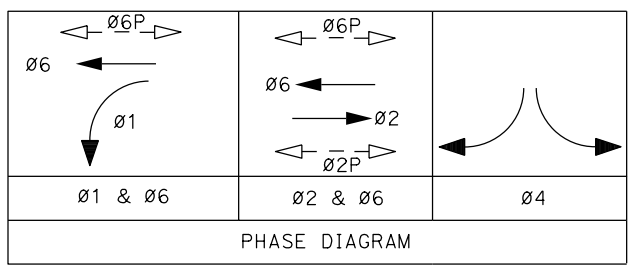
SCALE: 1" = 20'

E-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED-DESIGNED BY
 CHECKED BY
 GRETA AIKEN
 MARTAM HABBOUSH
 REVISED BY
 DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: MARIAM HABBBOUSH
 DATE REVISED: GRETA AIKEN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	280	358
		Greta Aiken		07/01/20	
		REGISTERED CIVIL ENGINEER		DATE	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		



NOTES: (THIS SHEET ONLY)
 SEE SHEET E-25 FOR LEGEND, POLE, AND CONDUCTOR SCHEDULES.

(LOCATION 2)
(MORENO BEACH DR/EB RAMPS)
 THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFYING SIGNAL AND LIGHTING SYSTEMS

SCALE: 1" = 20'

E-24

LAST REVISION => 12-AUG-2020
 00-00-00 TIME PLOTTED => 09:48

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: DATE REVISION

LEGEND: (SHEET E-24 AND E-25 ONLY)

- 1 INSTALL DEPARTMENT FURNISHED TYPE 332 CABINET WITH 2070E CONTROLLER WITH 2070-6A MODULE AND CABLES. INSTALL 2070 GPS CARD WITH ITS ANTENNA. INSTALL LTE WIRELESS VERIZON COMPATIBLE MODEM AND ITS COMPONENTS INCLUDING ALL CABLES, POWER SUPPLY, AND TWO INTERNAL ANTENNAS. THE CABINET SHALL HAVE THE C11 HARNESS INSTALLED. INSTALL BATTERY BACKUP SYSTEM.
- 2 TYPE III-CF ELECTRICAL SERVICE EQUIPMENT ENCLOSURE. PART OF LIGHTING SYSTEM.
- 3 FURNISH AND INSTALL EMERGENCY PREEMPTION SENSOR (SEE STD PLAN 2018 ES-4E)
- 4 INSTALL SIGN PANEL PER DETAIL 'C' ES-7P.
- 5 INSTALL VIDEO IMAGE SENSOR UNIT
- 6 INSTALL SIGN PANEL PER STD PLAN RS4.
- 7 FURNISH AND INSTALL DOUBLE SIDED INTERNALLY ILLUMINATED STREET NAME SIGN.

CONDUCTOR SCHEDULE										
AWG SIZE CABLE TYPE	Ø	POLE OR CIRCUIT	CONDUIT RUN							
			1	2	3	4	5	6	7	
12 CSC		POLE A				2	1		2	1
		POLE B	1	1	1	1	1	1	1	1
		POLE C			1	1			1	1
		POLE D			1	1		1	1	1
		POLE E					1	1	1	1
		POLE F							1	1
3 CSC										
TOTAL CABLES-3 CONDUCTOR/12 CONDUCTOR			1	1	2	2	4	2	1	4
#6		SERVICE								
#8		GROUND	1	1	1	1	1	1	1	1
#8		LIGHTING	2	2	2	2	2	2	2	2
#10		IISNS	2	2	2	2	2	2	2	2
#8		ACCESSIBLE PEDESTRIAN		2	2	2	2	2	2	2
EVP CABLE		OPTICOM	1	1	2		2		3	
#6		VIVDS	2	2	2		2		2	
COAXIAL/ETHERNET		VIVDS	1	1	1		1		1	
TYPE B DLC	1	LOOP DETECTORS								
	2						3		3	
	3									
	4							3	3	
	5									
	6					2				2
	7									
	8									
TOTAL DLC						2	3	3	8	
CONDUIT SIZE			3"	4"	4"	4"	4"	2-4"	2-4"	
CONDUIT FILL %			13%	10%	15%	12%	24%	5%	20.4%	

POLE AND SIGNAL SCHEDULE													
STANDARD					SIGNAL MOUNTING & PLACEMENT							IISNS* (DOUBLE SIDED SIGN)	REMARKS
					VEHICLE				PEDESTRIAN				
No.	TYPE	SMA	LMA	LUM LED	PHASE	MAST ARM	PHASE	POLE	PHASE	COUNTDOWN	APS PBA		
											PHASE	ARRW	QUAD
(A)	TYPE 21-TS	-	15'	235 W		-	4/6	SV-2-T	6	SP-1-T	6	→	W
(B)	24-4-100	35'	15'	235 W	2	2-MAS	2 /4	SV-2-TA	-	-	-		Route 60 East →
(C)	1-A(7')	-	-	-		-			2	TP-1-T	2	←	E
(D)	26-4-100	45'	15'	235 W	4	MAS, 4B	1 /4	SV-2-TA	2	SP-1-T	2	←	W
(E)	TYPE 21-TS	-	15'	235 W		-	2	TV-1-T	-	-	-		-
(F)	61A-5-100	65'	15'	235 W	1 /6	3-MAS	6	SV-1-T	6	SP-1-T	-		← Route 60 East
(G)	TYPE 21-TS	-	-	-		-	4	TV-1-T	-	-	6	→	E
(H)	TYPE 30	-	15'	235 W		-			-	-	-		-

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	281	358
Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

LAST REVISION: DATE PLOTTED => 11-AUG-2020
 00-00-00 TIME PLOTTED => 12:39

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	282	358

Greta Aiken
 REGISTERED CIVIL ENGINEER DATE 07/01/20

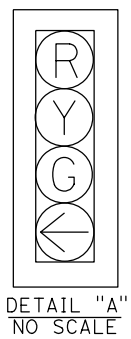
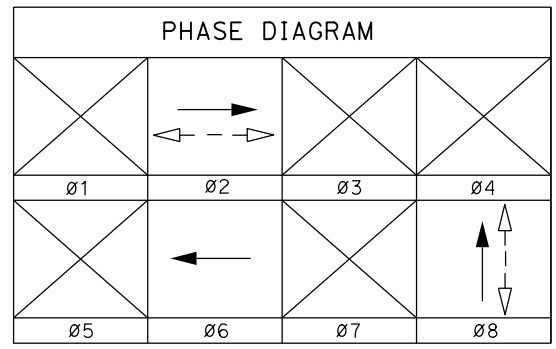
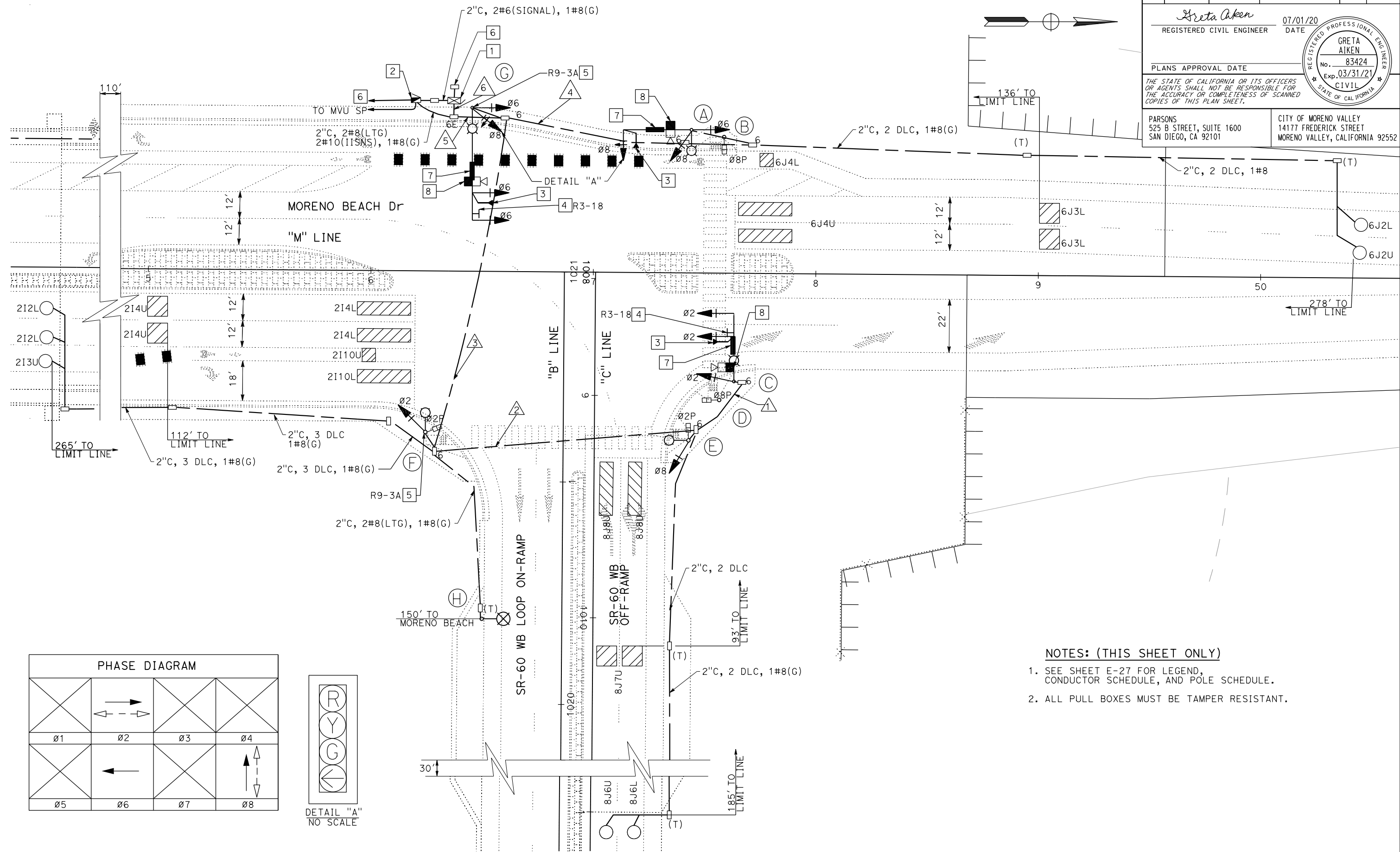
PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA



- NOTES: (THIS SHEET ONLY)
- SEE SHEET E-27 FOR LEGEND, CONDUCTOR SCHEDULE, AND POLE SCHEDULE.
 - ALL PULL BOXES MUST BE TAMPER RESISTANT.

**(LOCATION 3)
 (MORENO BEACH DR/WB RAMPS)**
 THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFYING SIGNAL AND LIGHTING SYSTEMS
 SCALE: 1" = 20'
E-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H

CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARIAM HABBBOUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: MARIAM HABBBOUSH
 DATE REVISED: GRETA AIKEN

LAST REVISION DATE PLOTTED => 12-AUG-2020
 00-00-00 TIME PLOTTED => 09:48

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: MARTIAM HABBBOUSH
 CHECKED BY: GRETA AIKEN
 REVISIONS: (None listed)

NOTES: (THIS SHEET ONLY)

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE
- ALL PULL BOXES MUST BE TAMPER RESISTANT
- TYPE 'D' FOC = 12 SINGLEMODE FIBER OPTIC CABLE

LEGEND: (THIS SHEET ONLY)

- INSTALL ETHERNET SWITCH IN CABINET. SEE DETAIL SHEET ED-7.
- INSTALL ETHERNET EXTENDER IN CABINET. SEE DETAIL SHEET ED-7.
- INSTALL 4G LTE MODEM IN CABINET. SEE DETAIL SHEET ED-7.
- SEE DETAIL SHEET ED-6.

CONDUIT NOTES:

- △ 2" C, 1-CAT 5E CABLE, 1 #8(G)
- △ 2" C, 1-TYPE 'D' FOC, 1 #8(G)
- △ 2" C, 1-TYPE 'D' FOC, 1-CAT 5E CABLE, 1 #8(G)
- △ 2" C, 2-CAT 5E CABLES, 1 #8(G)
- △ 2" C, 3-CAT 5E CABLES, 1 #8(G)
- △ 2" C, 1-TYPE 'D' FOC, 1-CAT 5E CABLE, 1 #8(G)
- △ 2" C, 1-TYPE 'D' FOC, 3-CAT SE CABLES, 1 #8(G)
- △ 2" C, 1-TYPE 'D' FOC, 4-CAT 5E CABLES, 1 #8(G)
- △ 2" C, 4-CAT 5E CABLES, 1 #8(G)
- △ 2" C, WITH PULL TAPE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	284	358

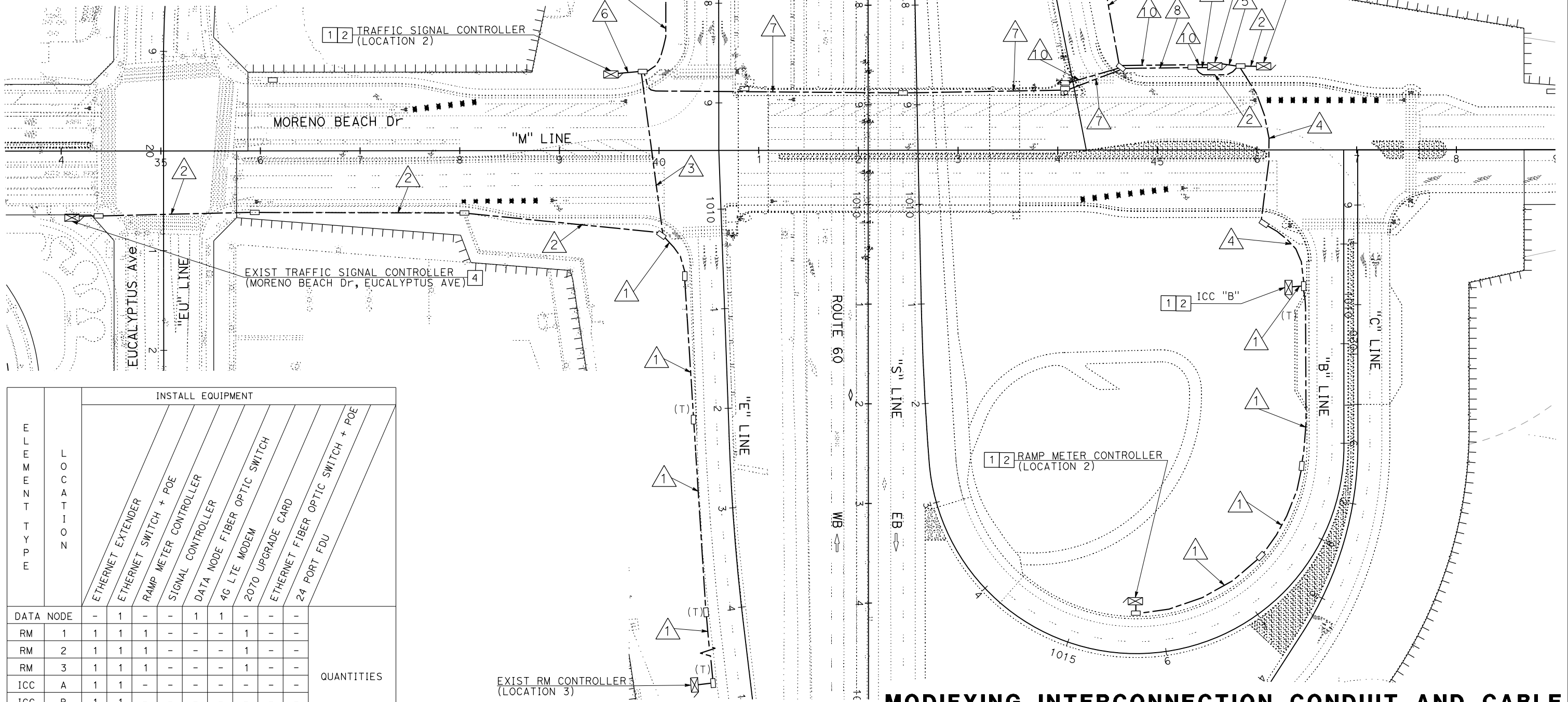
Greta Aiken
 REGISTERED CIVIL ENGINEER
 DATE: 07/01/20
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



ELEMENT TYPE	LOCATION	INSTALL EQUIPMENT								QUANTITIES	
		ETHERNET EXTENDER	ETHERNET SWITCH + POE	RAMP METER CONTROLLER	SIGNAL CONTROLLER	DATA NODE	4G LTE MODEM	2070 UPGRADE CARD	ETHERNET FIBER OPTIC SWITCH + POE		24 PORT FDU
DATA NODE	-	1	-	-	1	1	-	-	-	-	
RM	1	1	1	1	-	-	-	1	-	-	
RM	2	1	1	1	-	-	-	1	-	-	
RM	3	1	1	1	-	-	-	1	-	-	
ICC	A	1	1	-	-	-	-	-	-	-	
ICC	B	1	1	-	-	-	-	-	-	-	
TSC	1	1	1	-	1	-	-	-	1	1	
TSC	2	-	1	-	1	-	-	-	1	1	

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

MODIFYING INTERCONNECTION CONDUIT AND CABLE
 SCALE 1"=50'
E-28

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED-DESIGNED BY: MARIAM HABBUSH
 CHECKED BY: GRETA AIKEN
 REVISED BY: MARIAM HABBUSH
 DATE REVISED: GRETA AIKEN

LEGEND: (THIS SHEET ONLY)

- NEW SIGN LTG FIXTURES
- EXISTING SIGN ILLUMINATION
- ⊗ NEW LED LUMINAIRE
- EXISTING LED LUMINAIRE
- Ⓡ REMOVE EXISTING LUMINAIRE
- NEW CONDUCTOR
- - - EXISTING CONDUCTOR
- SPLICE
- x DISCONNECT CIRCUIT
- R [AB] OR REMOVE EXISTING CONDUCTORS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	285	358

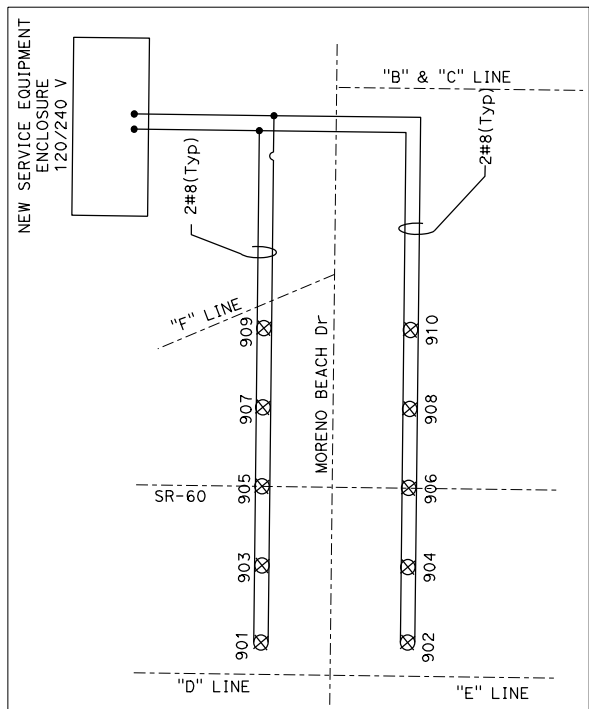
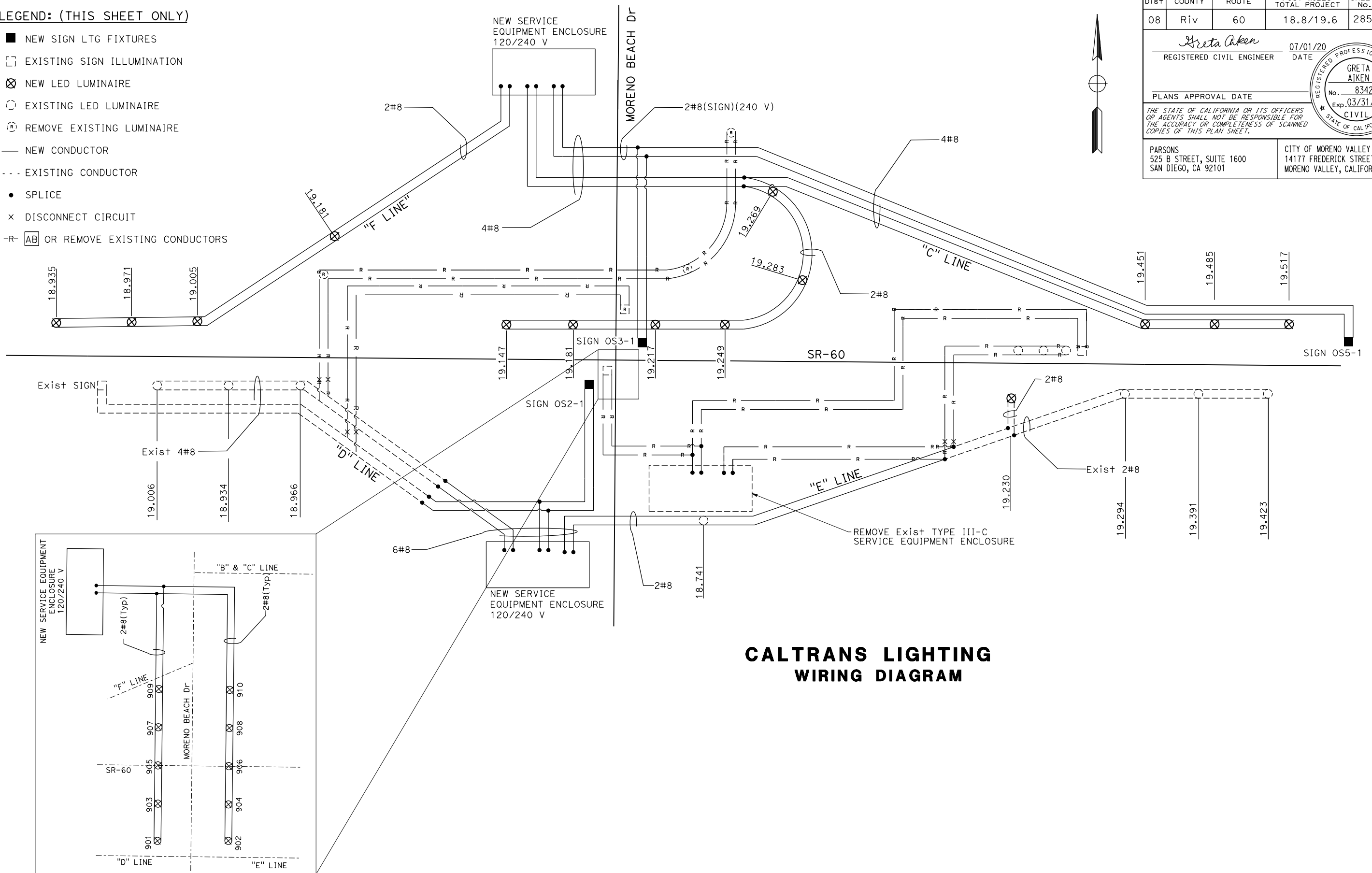
Greta Aiken
 REGISTERED CIVIL ENGINEER DATE: 07/01/20

PLANS APPROVAL DATE: _____

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PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552



CALTRANS LIGHTING WIRING DIAGRAM

DECORATIVE BRIDGE LIGHTING SYSTEM (CITY) WIRING DIAGRAM

ELECTRICAL SYSTEM DETAILS

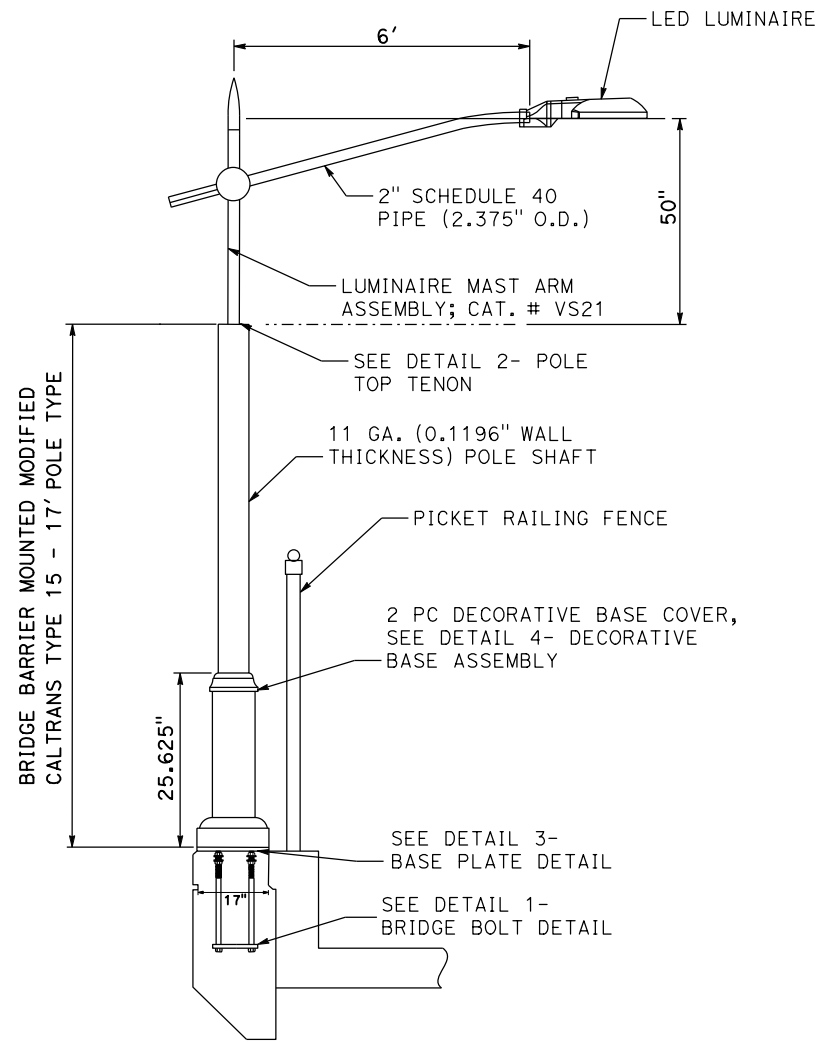
NO SCALE

ED-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	286	358
<i>Greta Aiken</i> REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTES:

1. CONDUCTORS SHALL BE 2#10 WIRES WITHIN THE POLE BETWEEN THE SPLICE POINT AND THE FIXTURE.
2. INSTALL FUSED SPLICE CONNECTORS IN ADJACENT No. 9 PULL BOX.
3. VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



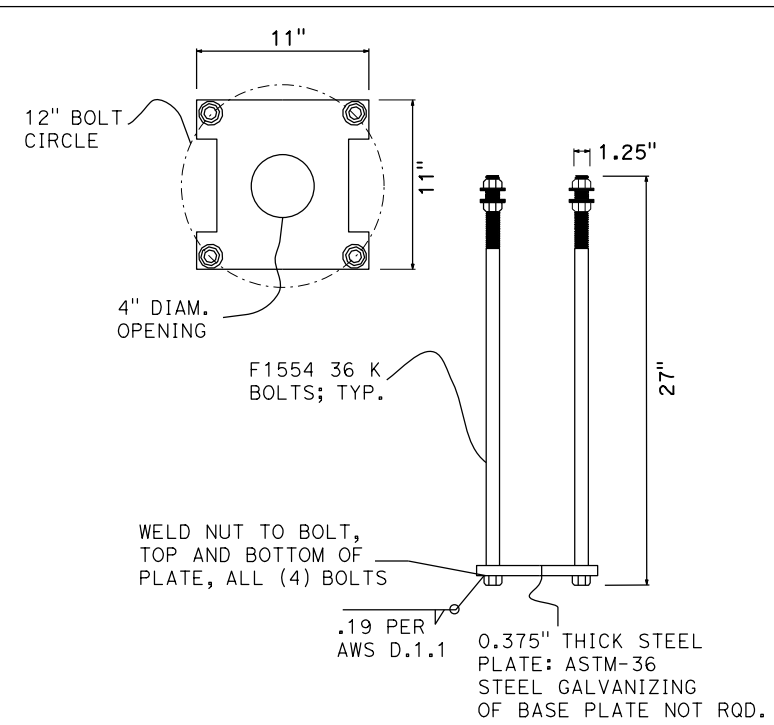
DETAIL A

NOTE: DECORATIVE BRIDGE LIGHTING STANDARD AND LUMINAIRE WILL BE CITY-FURNISHED MATERIAL.

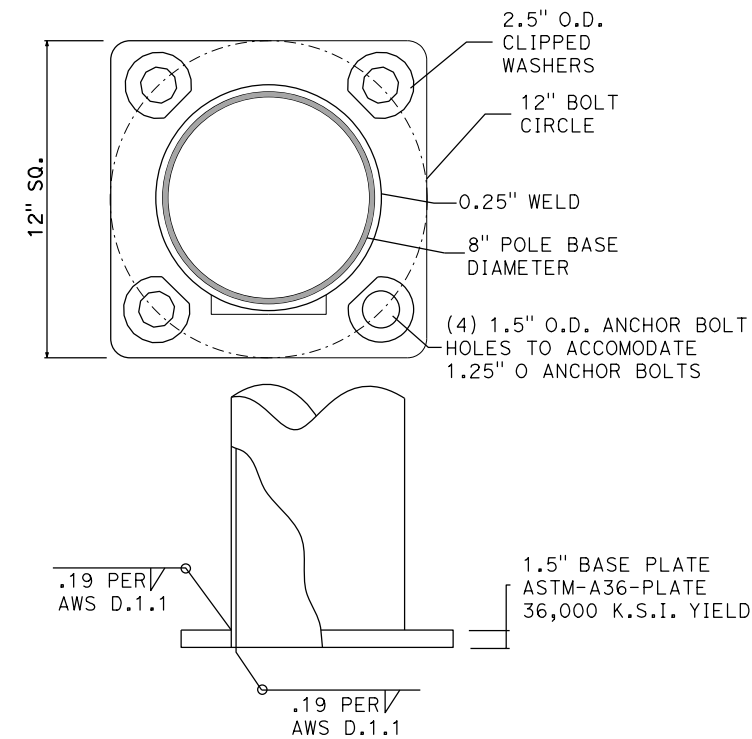
DESIGN CRITERIA:
CALTRANS 2018 STANDARD SPECIFICATIONS

- * ALL ALUMINUM COMPONENTS ASTM-1356 CAST ALUMINUM INGOT
- * TAPERED POLE SHAFT ASTM-A595 GRADE A; MINIMUM 50 K.S.I. YIELD
- * BASE PLATE AND POLE TOP TENON ASTM-A36; MINIMUM 36 K.S.I. YIELD
- * ALL WELDS IN ACCORDANCE WITH AWS WELDING CODE BY CURRENTLY APPROVED, AUDITED WELDER
- * ALL MATERIAL FINISH PAINTED SEMI-GLOSS BLACK PER CITY STANDARDS
- * ALL MATERIAL FINISH PAINTED OVER GALVANIZED UNLESS NOTED

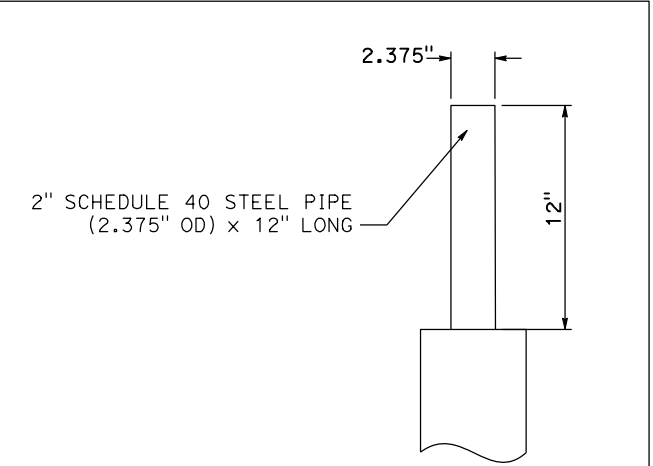
MATERIAL / FINISH SPECIFICATIONS



**DETAIL 1
BRIDGE BOLT**

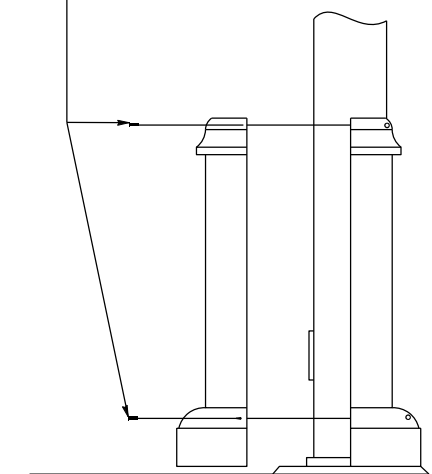


**DETAIL 3
BASE PLATE**



**DETAIL 2
POLE TOP TENON**

BASE HALVES CONNECTED TOGETHER AROUND POLE SHAFT USING (4) 5/16-18 X 1.25" STAINLESS STEEL BUTTON HEAD CAP SCREWS



**DETAIL 4
DECORATIVE BASE ASSEMBLY**

DECORATIVE BRIDGE LIGHTING SYSTEM (CITY)

ELECTRICAL SYSTEM DETAILS

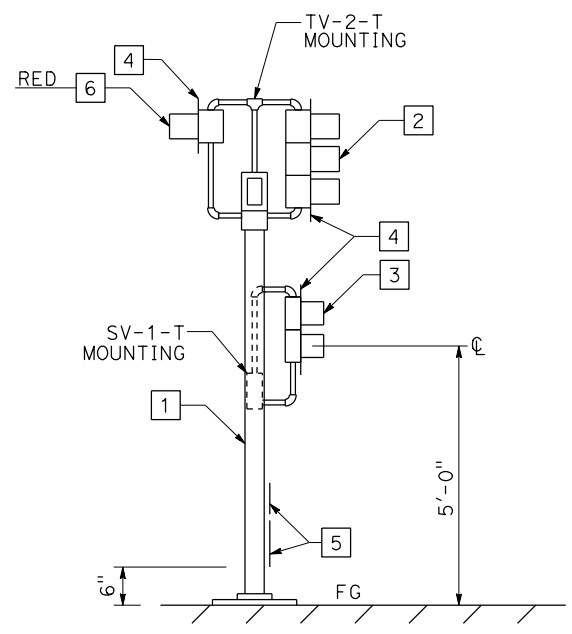
NO SCALE

ED-2

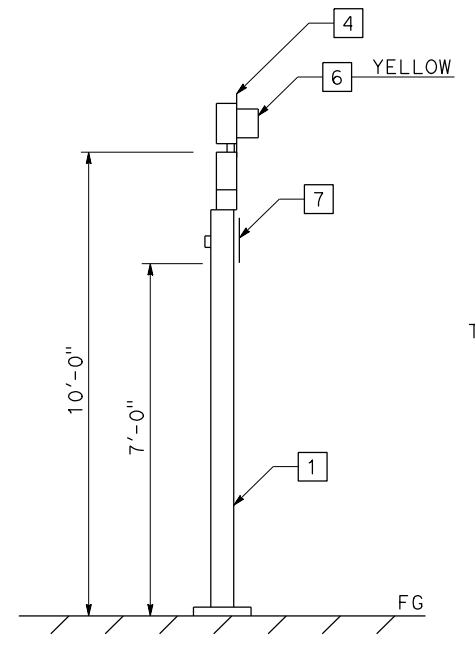
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	287	358
Greta Aiken		07/01/20		REGISTERED CIVIL ENGINEER DATE	
REGISTERED CIVIL ENGINEER		No. 83424		Exp. 03/31/21	
PLANS APPROVAL DATE		THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101		CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552			

LEGEND (THIS SHEET ONLY):

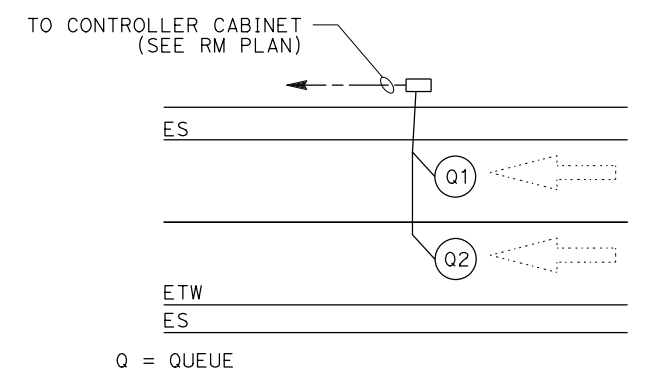
- 1 TYPE 1 SIGNAL STANDARD.
- 2 3-SECTION 12" SIGNAL HEAD (RED, YELLOW, GREEN), 12" FULL CIRCLE VISORS.
- 3 2-SECTION 12" SIGNAL HEAD (RED, GREEN), 12" FULL CIRCLE VISORS.
- 4 BACKPLATE.
- 5 R89-1(CA) (1 CAR PER GREEN THIS LANE) AND R10-6 SIGNS MOUNTED ON POLE. ATTACH WITH GALVANIZED 1/4" Ø x 3/4" BOLTS, HEX NUTS, PLAIN AND LOCK WASHERS. SEE SIGN PLANS.
- 6 1-SECTION 8" SIGNAL HEAD, 8" FULL CIRCLE VISOR. COLOR AS SHOWN.
- 7 INSTALL 36"x36" W3-8 SIGN. SEE MOUNTING DETAILS ON SHEET RS4.



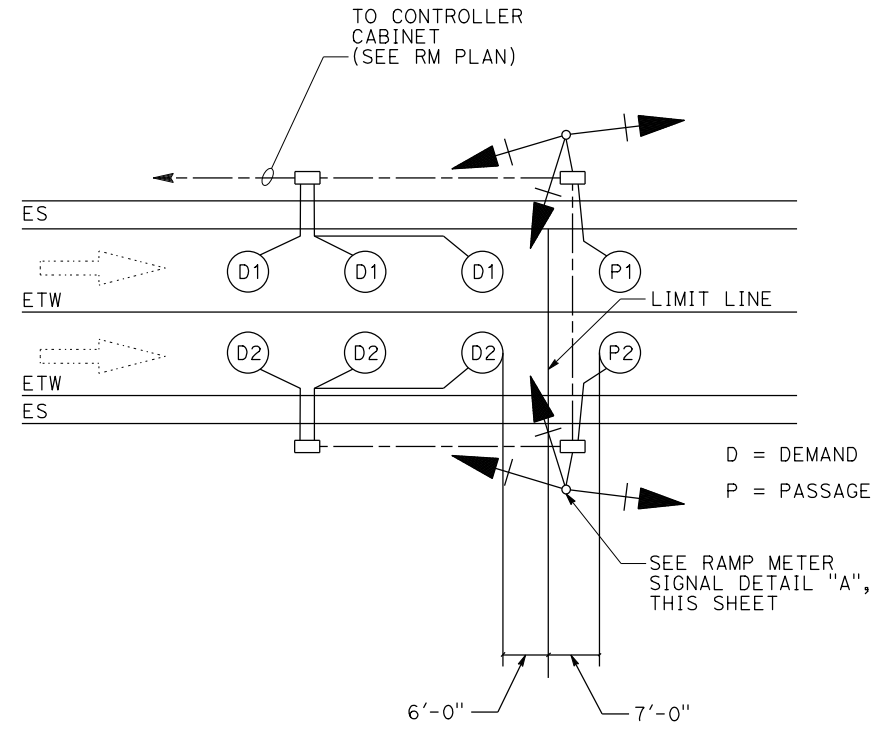
DETAIL "A"
RAMP METER SIGNAL DETAIL



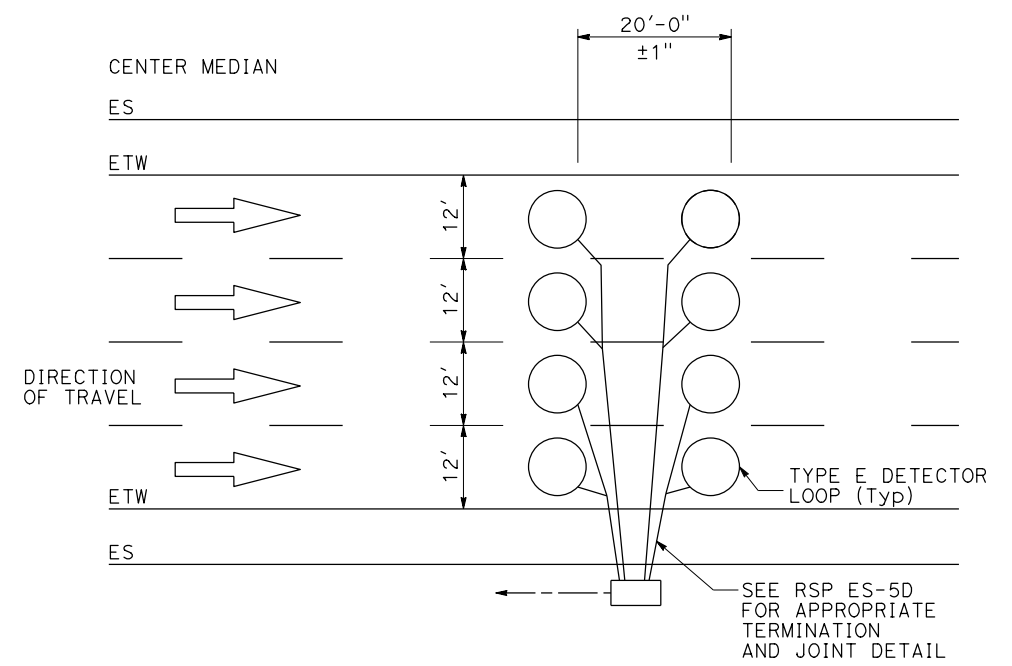
DETAIL "B"
FLASHING BEACON DETAIL



DETAIL "C"
INSTALLATION DETAIL



DETAIL "D"
2 LANE RAMP INSTALLATION DETAIL



DETAIL "E"
MAINLINE LOOP INSTALLATION DETAIL

ELECTRICAL SYSTEM DETAILS

RAMP METERING SYSTEM

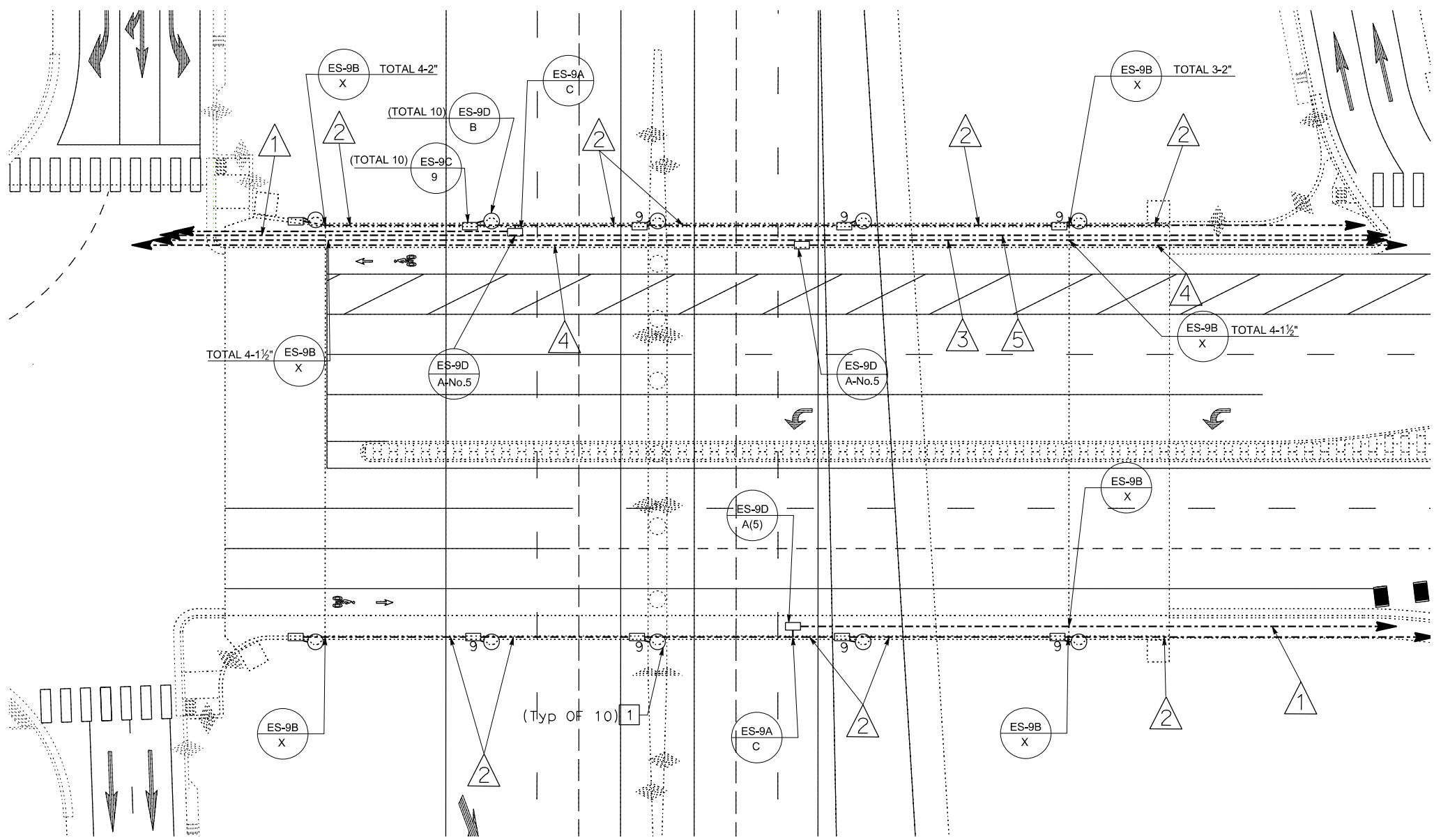
NO SCALE **ED-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN BRANCH H
CONSULTANT FUNCTIONAL SUPERVISOR	NICOLE DEPUY
CALCULATED/DESIGNED BY	CHECKED BY
MARIAM HABBOUSH	GRETA AIKEN
REVISOR	DATE

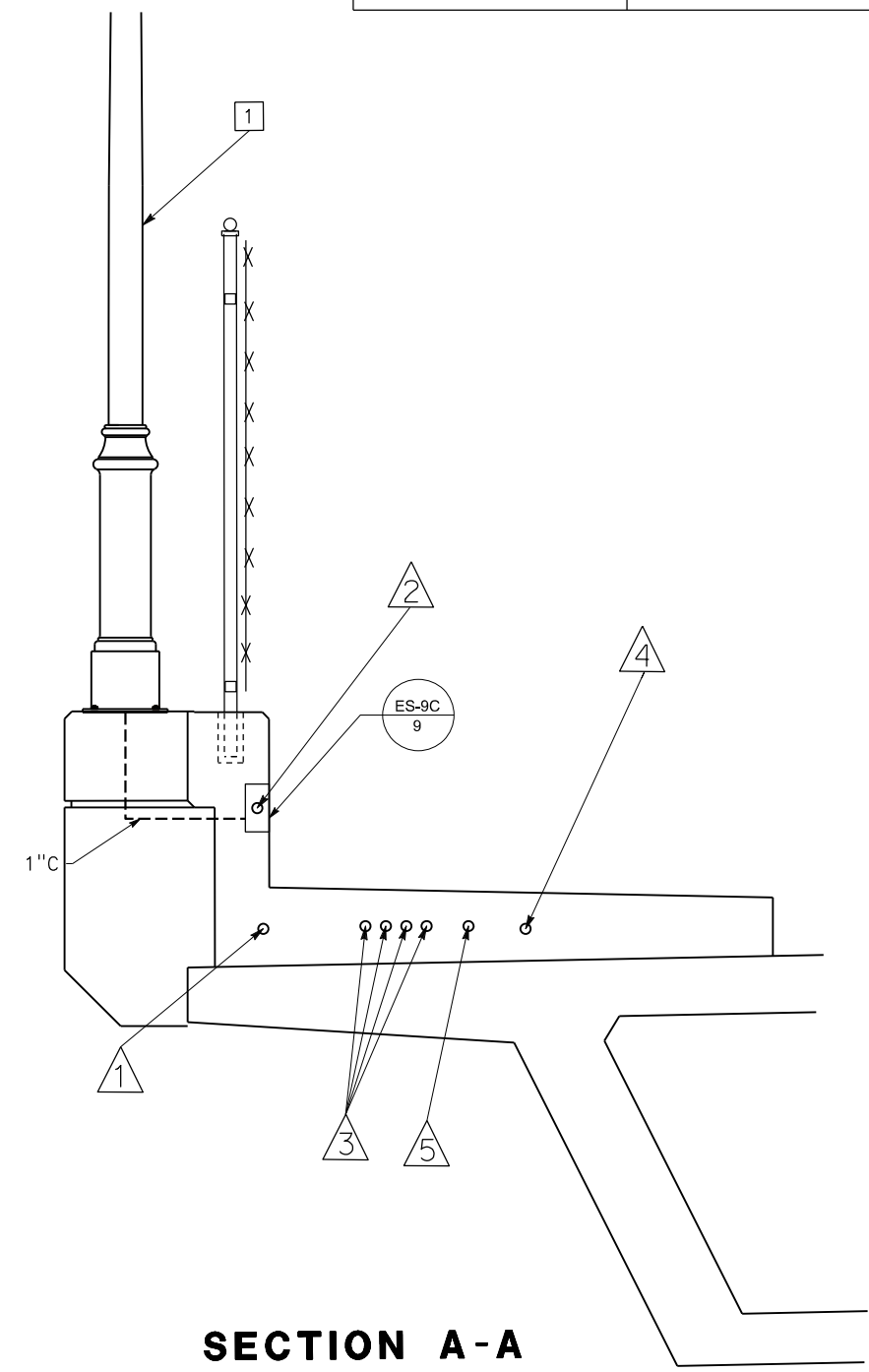
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	288	358
Greta Aiken		07/01/20		REGISTERED CIVIL ENGINEER DATE	
REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE	
No. 83424		Exp. 03/31/21		CIVIL	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

- CONDUIT NOTES:**
- ① 2"C, SEE MODIFYING LIGHTING SYSTEM PLANS.
 - ② 2"C, SEE DECORATIVE BRIDGE LIGHTING SYSTEM (CITY) PLANS.
 - ③ 4-1½"C, SEE CLOSED CIRCUIT TELEVISION SYSTEM (CITY).
 - ④ 2"C, SEE MODIFYING INTERCONNECTION CONDUIT AND CABLE PLANS.
 - ⑤ 2"C (PT)

- LEGEND:**
- (x) STANDARD PLAN
 - (x) DETAIL
 - ① CITY-FURNISHED DECORATIVE BRIDGE LIGHT. SEE SHEET ED-2, DETAIL "A"



PLAN VIEW



SECTION A-A

BRIDGE

ELECTRICAL SYSTEM DETAILS

NO SCALE

ED-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR: NICOLE DEPUY
 CALCULATED/DESIGNED BY: CHECKED BY:
 MARIAM HABBBOUSH GRETA AIKEN
 REVISED BY: DATE REVISED:

USERNAME => p001434F
 DGN FILE => 0812000059ub004.dgn

RELATIVE BORDER SCALE IS IN INCHES
 0 1 2 3

UNIT 2232

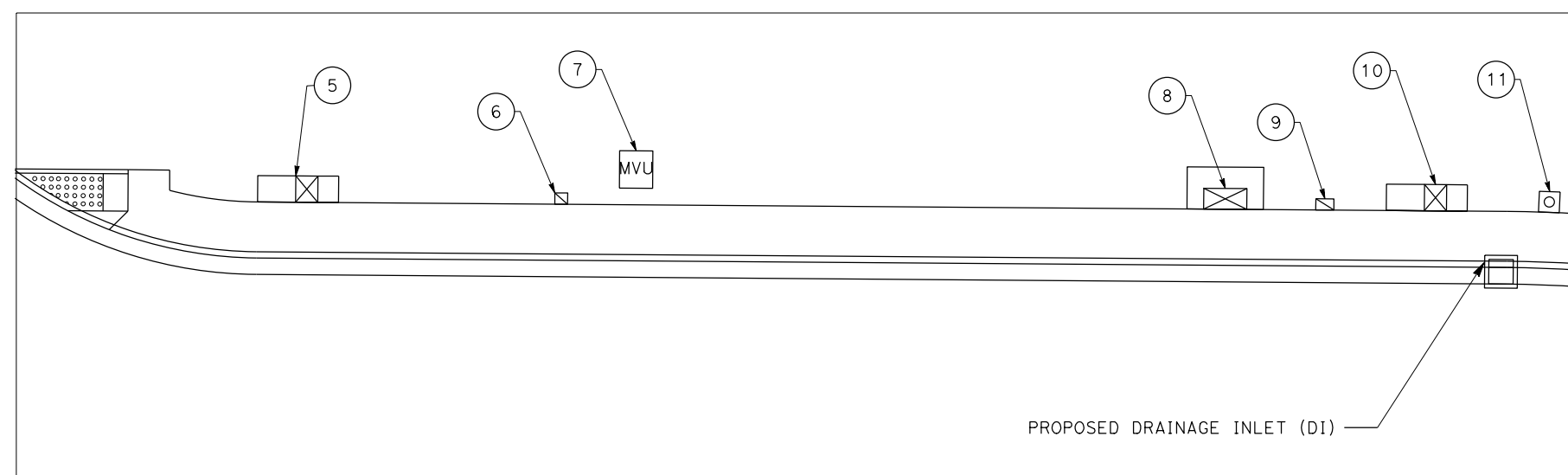
PROJECT NUMBER & PHASE

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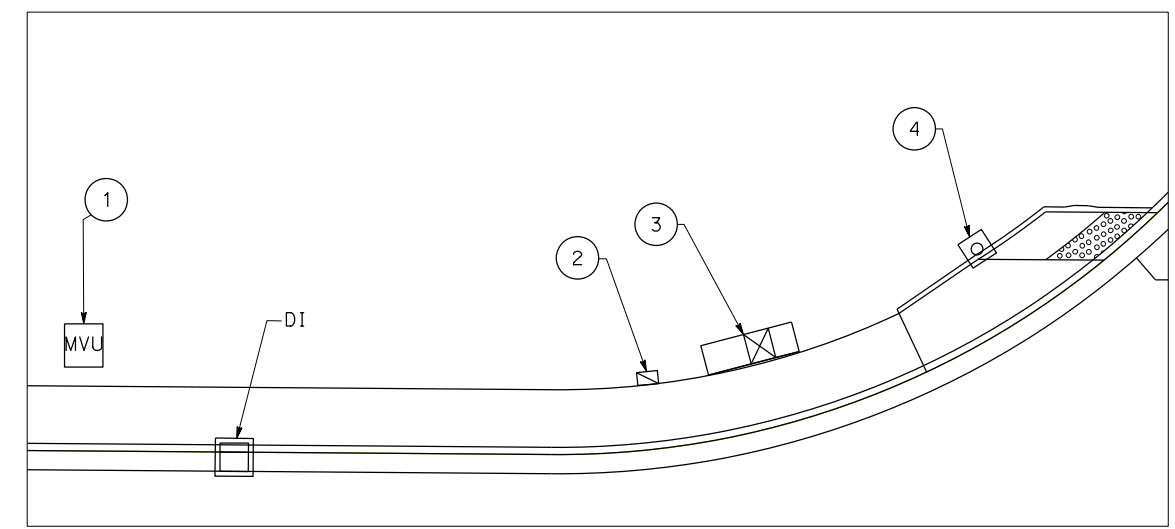
LAST REVISION: DATE PLOTTED => 13-AUG-2020
 00-00-00 TIME PLOTTED => 13:34

ELECTRICAL FACILITIES							
No.	STATION	ALIGNMENT	OFFSET *	DESCRIPTION	REMARKS	OWNER	ADDRESS
1	39+01	MORENO BEACH Dr	63.75' Lt	MVU 48"x54" PAD MOUNTED TRANSFORMER	SEE UTILITY PLAN	MORENO VALLEY UTILITY	
2	39+60	MORENO BEACH Dr	62.38' Lt	TYPE III-CF SERVICE EQUIPEMENT ENCLOSURE	TRAFFIC SIGNAL & LIGHTING + IRRIGATION	CALTRANS	12451 MORENO BEACH Dr
3	39+71	MORENO BEACH Dr	64.68' Lt	CONTROLLER CABINET TYPE 332L	TRAFFIC SIGNAL CONTROLLER	CALTRANS	
4	39+83	MORENO BEACH Dr	68.60' Lt	TYPE 61A-5-100 SIGNAL POLE	POLE 'E', SEE SIGNAL & LIGHTING SYSTEM	CALTRANS	
5	44+94	MORENO BEACH Dr	73.75' Lt	CABINET TYPE 334L	CLOSED CIRCUIT TELEVISION (CITY)	CITY OF MORENO VALLEY	
6	45+26	MORENO BEACH Dr	73.75' Lt	TYPE III-BF SERVICE EQUIPEMENT ENCLOSURE	LIGHTING (CITY STREET)	CITY OF MORENO VALLEY	12291 MORENO BEACH Dr
7	45+35	MORENO BEACH Dr	75.75' Lt	MVU 48"x54" PAD MOUNTED TRANSFORMER	SEE UTILITY PLAN	MORENO VALLEY UTILITY	
8	46+06	MORENO BEACH Dr	73.75' Lt	TYPE 334L (DATA NODE)	INTERCONNECT CONDUIT AND CABLE SYSTEM	CALTRANS	
9	46+18	MORENO BEACH Dr	73.75' Lt	TYPE III-CF SERVICE EQUIPEMENT ENCLOSURE	TRAFFIC SIGNAL & LIGHTING	CALTRANS	12191 MORENO BEACH Dr
10	46+30	MORENO BEACH Dr	73.75' Lt	CONTROLLER CABINET TYPE 332L	TRAFFIC SIGNAL CONTROLLER	CALTRANS	
11	46+45	MORENO BEACH Dr	73.67' Lt	TYPE 29A-5-100 SIGNAL POLE	POLE 'E', SEE SIGNAL & LIGHTING SYSTEM	CALTRANS	

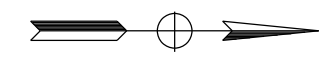
* STATION AND OFFSET DIMENSIONS ARE LOCATED AT THE CENTER OF THE CURBSIDE FACE OF THE PAD.



NORTH OF BRIDGE



SOUTH OF BRIDGE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	289	358
Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT - FUNCTIONAL SUPERVISOR
 NICOLE DEPUY
 CALCULATED - DESIGNED BY
 CHECKED BY
 MARIAM HABBOUSH
 GRETA AIKEN
 REVISED BY
 DATE REVISED

ELECTRICAL SYSTEM DETAILS

SCALE: 1" = 10'

ED-5

LAST REVISION DATE PLOTTED => 11-AUG-2020
 00-00-00 TIME PLOTTED => 12:42

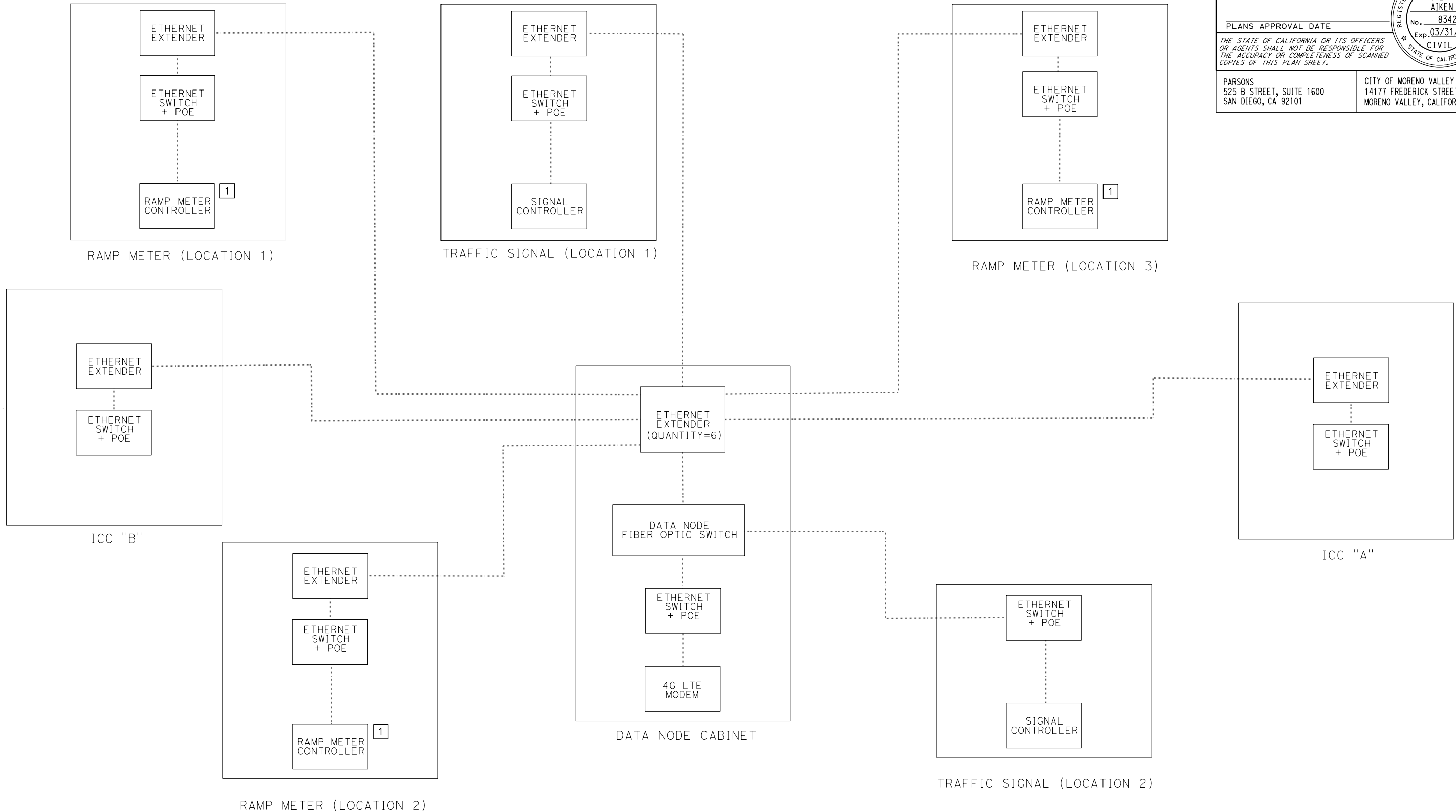
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN BRANCH H
 CONSULTANT FUNCTIONAL SUPERVISOR NICOLE DEPUY
 CALCULATED/DESIGNED BY CHECKED BY
 MARIAM HABBOUSH GRETA AIKEN
 REVISED BY DATE REVISOR
 MARIAM HABBOUSH GRETA AIKEN

LEGEND:

----- CAT 5E CABLE

NOTE (THIS SHEET ONLY):

1 INSTALL 2070 UPGRADE CARD.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	291	358

Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101
 CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552

REGISTERED PROFESSIONAL ENGINEER
 GRETA AIKEN
 No. 83424
 Exp. 03/31/21
 CIVIL
 STATE OF CALIFORNIA

**MORENO BEACH DRIVE
 INTERCONNECTION CONDUIT AND CABLE
 (BLOCK WIRING DIAGRAM)**

**ELECTRICAL SYSTEMS DETAILS
 NOT TO SCALE
 ED-7**

LAST REVISION DATE PLOTTED => 12-AUG-2020 00-00-00 TIME PLOTTED => 09:49

MODIFYING LIGHTING SYSTEMS

SHEET No.	(N)																		
	No.5 TAMPER RESISTANT PULL BOX	No. 5(T) TAMPER RESISTANT PULL BOX	120/240V TYPE III-CF SERVICE	120/240V TYPE III-CF SERVICE FOUNDATION	SP-120/240V, MVU	TYPE 30 STANDARD POLE	TYPE 30 STANDARD FOUNDATION	TYPE 31 STANDARD POLE	TYPE 31 STANDARD FOUNDATION	LUMINAIRE MAST ARM (15')	LUMINAIRE MAST ARM (20')	235 W LED LUMINAIRE	LED, Ltg FIXTURE	2" C, TYPE 3 SCH 80	3" C, TYPE 3 SCH 80	No. 6 CONDUCTOR	No. 8 CONDUCTOR	No. 10 CONDUCTOR	No. 8 (G)
E-1		4				3	EA 3			3		3		820			LF 1640		820
E-2	4	4	1	1	1	3		1	1	3	1	1	2	910	70	280	3000	140	980
E-3	4	13	1	1	1	7	7			7		7	2	3065	70	280	8330	140	3065
E-4																			
E-5	4	2				3	3			3		3	2	1120			4180		1120

(N) NOT A SEPARATE BID ITEM

DECORATIVE BRIDGE LIGHTING SYSTEM (CITY)

SHEET No.	(N)														
	No.5 PULL BOX	No.9 PULL BOX	120/240V TYPE III-BF SERVICE	MVU HAND HOLES	DECORATIVE BRIDGE LIGHT ANCHORAGE ASSEMBLY	2" EXPANSION FITTINGS	2" C, TYPE 1	2" C, TYPE 3 SCH 80	3" C, TYPE 3 SCH 80	No. 8 CONDUCTOR	No. 8 (G)	DECORATIVE BRIDGE CITY LIGHT POLE (HEIGHT 17')	LUMINAIRE MAST ARM (6')	BRIDGE LIGHT LED LUMINAIRE	
E-6	3	10	1	1	10	2	550	300	100	3000	1500	10	10	10	

(N) NOT A SEPARATE BID ITEM

* CITY FURNISHED AND INSTALLED ITEMS

CLOSED CIRCUIT TELEVISION SYSTEM (CITY)

SHEET No.	(N)																	
	PULL BOX #5	PULL BOX #6E	CCTV 30 POLE	CCTV 30 POLE FOUNDATION	1 1/2" EXPANSION FITTING	MODEL 334L CABINET	MODEL 334L CCTV CABINET FOUNDATION	4- 1 1/2" C HDPE	2" C, TYPE 3 SCH 80	2- 1 1/2" HDPE	4 1 1/2" C TYPE 1	3" C, TYPE 3 SCH 80	No. 6 CONDUCTOR	No. 8 (G)	PULL TAPE	CCTV CAMERA	ETHERNET SWITCH	WIRELESS MODEM
E-7	1	4	1	1	8	1	1	1045	100	20	275	50	200	100	1470	1	1	1

(N) NOT A SEPARATE BID ITEM

* CITY FURNISHED AND INSTALLED ITEMS

MODIFYING INTERCONNECTION CONDUIT AND CABLE

SHEET No.	(N)														
	No. 5 TAMPER RESISTANT PULL BOX	No. 5(T) TAMPER RESISTANT PULL BOX	4G LTE MODEM	MODEL 334L CABINET	MODEL 334L DATA NODE CABINET FOUNDATION	ETHERNET SWITCH	FIBER OPTIC SWITCH	ETHERNET EXTENDER	2" EXPANSION FITTING	CAT E CABLE	FIBER OPTIC CABLE	No. 8(G)	2" C, TYPE 3 SCH 80		
E-28	17	5	1	1	1	6	1	7	2	2400	650	3050	3050		

(N) NOT A SEPARATE BID ITEM

NOTE:

ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	292	358
Greta Aiken REGISTERED CIVIL ENGINEER			07/01/20 DATE		
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

ELECTRICAL SYSTEMS QUANTITIES

NO SCALE

EQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	293	358

Greta Aiken 07/01/20
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PARSONS
 525 B STREET, SUITE 1600
 SAN DIEGO, CA 92101

CITY OF MORENO VALLEY
 14177 FREDERICK STREET
 MORENO VALLEY, CALIFORNIA 92552

ELECTRIC SERVICE FOR IRRIGATION

SHEET No.	(N)						
No. 5(T) TAMPER RESISTANT PULL BOX	No. 5 TAMPER RESISTANT PULL BOX	IRRIGATION CONTROLLER ENCLOSURE CABINET	IRRIGATION CONTROLLER ENCLOSURE CABINET FOUNDATION	2" C, TYPE 3 SCH 80	No. 10 CONDUCTOR	No. 8 (G)	
	EA			LF			
E-8	3	1	2	2	475	950	475

(N) NOT A SEPARATE BID ITEM

NOTE:
 ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

MODIFYING RAMP METERING SYSTEMS

SHEET No.	LOCATION	(N)																			
		No. 5 TAMPER RESISTANT PULL BOX	No. 5(T) TAMPER RESISTANT PULL BOX	No. 6E TAMPER RESISTANT PULL BOX	MODEL 334 CABINET FURNISHED	MODEL 334 CABINET FURNISHED FOUNDATION	INSTALL DEPARTMENT FURNISHED MODEL 2070E CONTROLLER ASSEMBLY	TYPE 1 SIGNAL STANDARD (RAMP METER SIGNAL)	TYPE 1 SIGNAL STANDARD (FLASHING BEACON)	TYPE 1 SIGNAL STANDARD FOUNDATION	INDUCTIVE LOOP DETECTOR	1-SECTION 8" SIGNAL HEAD AND BACK PLATE	2-SECTION 8" SIGNAL HEAD AND BACK PLATE	3-SECTION 8" SIGNAL HEAD AND BACK PLATE	RC TYPE 1 "METER ON" SIGNAL STANDARD	3" C, TYPE 3 SCH 80	No. 6 CONDUCTOR	No. 12 CONDUCTOR	No. 8 (G)	9 CONDUCTOR SIGNAL CABLE (CSC)	LOOP DETECTOR LEAD-IN CABLE (DLC)
		EA										LF									
E-9	LOCATION 1	1	6	1	1	1	1	2	1	3	26	3	2	2		900	790	500	900	200	2540
E-10	LOCATION 2	2	7	1	1	1	1	2	4	4	18	12	2	2		1247	1050	980	1247	304	4290
E-11	LOCATION 3	4	5						2	2	6	2		2		713	1100	390	640	0	4540

(N) NOT A SEPARATE BID ITEM

REMOVING SIGNAL AND LIGHTING SYSTEMS

SHEET No.	LOCATION	(N)							
		RC PULL BOX	REMOVE PEDESTRIAN SIGNAL AND PUSH BUTTON ASSEMBLY (PBA)	RS TYPE 1-A SIGNAL POLE	RS TYPE 19 SIGNAL POLE	REMOVE TYPE III-F SERVICE	RS MODEL 170 CONTROL ASSEMBLY AND BBS	RS VIVDS EQUIPMENT	AB CONDUIT & CONDUCTOR
		EA							LF
E-12	LOCATION 1	5		4	3	1	1		2000
E-13	LOCATION 2	7	3	2	3	1	1	1	1500

(N) NOT A SEPARATE BID ITEM

ELECTRICAL SYSTEMS QUANTITIES

NO SCALE

EQ-2

TEMPORARY SIGNAL SYSTEMS

SHEET No.	LOCATION	(N)																									
		165W LED LUMINAIRE	LUMINAIRE MAST ARM (8')	WOOD POLE	RC WOOD POLE	VIDEO IMAGE SENSOR	RL VIDEO IMAGE SENSOR	ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON ASSEMBLY (PBA)	RL PEDESTRIAN SIGNAL & PUSH BUTTON ASSEMBLY (PBA)	SIGNAL HEAD	RL SIGNAL HEADS	RC SIGNAL HEADS	BAG Exist SIGNAL HEAD	EVD	RL EVD	RC EVD	INSTALL R3-1	RC R73-3(CA) R3-2	2"C, TYPE 3 SCH 80	3"C, TYPE 3 SCH 80	3/8" SPAN WIRE	12 CSC	No. 8 CONDUCTOR	1 # 8 GROUND	EVP CABLE	VIVDS DETECTION CABLE	
E-14	LOCATION 1																										
E-15	LOCATION 1																										
E-16	LOCATION 1			2																							
E-17	LOCATION 1				2																						
E-18	LOCATION 2	4	4	6		4							8														
E-19	LOCATION 2				2			2					4														
E-20	LOCATION 2							2					2														
E-21	LOCATION 3	4	4	4								8															
E-22	LOCATION 3																										
E-23	LOCATION 4																										

(N) NOT A SEPARATE BID ITEM

MODIFYING SIGNAL AND LIGHTING SYSTEMS

SHEET No.	LOCATION	(N)																									
		No. 5 TAMPER RESISTANT PULL BOX	5(T) TAMPER RESISTANT PULL BOX	No. 6(E) PB	ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON ASSEMBLY (PBA)	TYPE 24-4-100 (SIGNAL POLE)	TYPE 24-4-100 (SIGNAL POLE) FOUNDATION	TYPE 1-A (7') (SIGNAL POLE)	TYPE 1-A (SIGNAL POLE) FOUNDATION	TYPE 21-TS (SIGNAL POLE)	TYPE 21-TS (SIGNAL POLE) FOUNDATION	TYPE 29-5-100 (TRAFFIC SIGNAL)	TYPE 29-5-100 (TRAFFIC SIGNAL) FOUNDATION	TYPE 26-4-100 (TRAFFIC SIGNAL)	TYPE 26-4-100 (TRAFFIC SIGNAL) FOUNDATION	TYPE 61A-5-100 (TRAFFIC SIGNAL)	TYPE 61A-5-100 (TRAFFIC SIGNAL) FOUNDATION	TYPE 30 STANDARD POLE	TYPE 30 STANDARD FOUNDATION	LUMINAIRE MAST ARM (15')	235W LED LUMINAIRE	SIGNAL MAST ARM (30')	SIGNAL MAST ARM (35')	SIGNAL MAST ARM (45')			
E-24	LOCATION 2	6	3	7	4	1	1	1	1	3	3																
E-26	LOCATION 3	4	6	6	4	2	2	2	2	2	2	1	1														

(N) NOT A SEPARATE BID ITEM

MODIFYING SIGNAL AND LIGHTING SYSTEMS

SHEET No.	LOCATION	(N)																										
		SIGNAL MAST ARM (50')	SIGNAL MAST ARM (65')	3-SECTION SIGNAL HEAD	4-SECTION SIGNAL HEAD	INSTALL DEPARTMENT FURNISHED MODEL 332 CABINET	MODEL 332 CABINET FOUNDATION	INSTALL DEPARTMENT FURNISHED 2070E CONTROLLER ASSEMBLY	BATTERY BACKUP SYSTEM CABINET	BATTERIES	IISNS	EVUD	VIDEO IMAGE DETECTION ASSEMBLY (CAMERA & VDU)	INDUCTIVE LOOP DETECTORS	SIGN R3-18	SIGN R61-15(CA)	SIGN R9-3A	3"C, TYPE 3 SCH 80	4"C, TYPE 3 SCH 80	No. 10 CONDUCTOR	3 CONDUCTOR SIGNAL CABLE (CSC) (PUSH BUTTON ASSEMBLY)	12 CONDUCTOR SIGNAL CABLE (CSC) (VEHICLE-PEDESTRIAN)	DETECTOR LEAD IN CABLE (DLC)	VIDEO DETECTION CABLE (VDC)	8(G)	EVUD CABLE		
E-24	LOCATION 2																											
E-26	LOCATION 3	1	1	12	3	1	1	1	1	4	3	3	3	9	1	4		150	1180	2280	2280	2630	3000	1250	1130	1250		
				10	1	1	1	1	1	4	3	3	3	7	2	2		150	850	2000	2000	1900	2800	1100	900	1100		

(N) NOT A SEPARATE BID ITEM

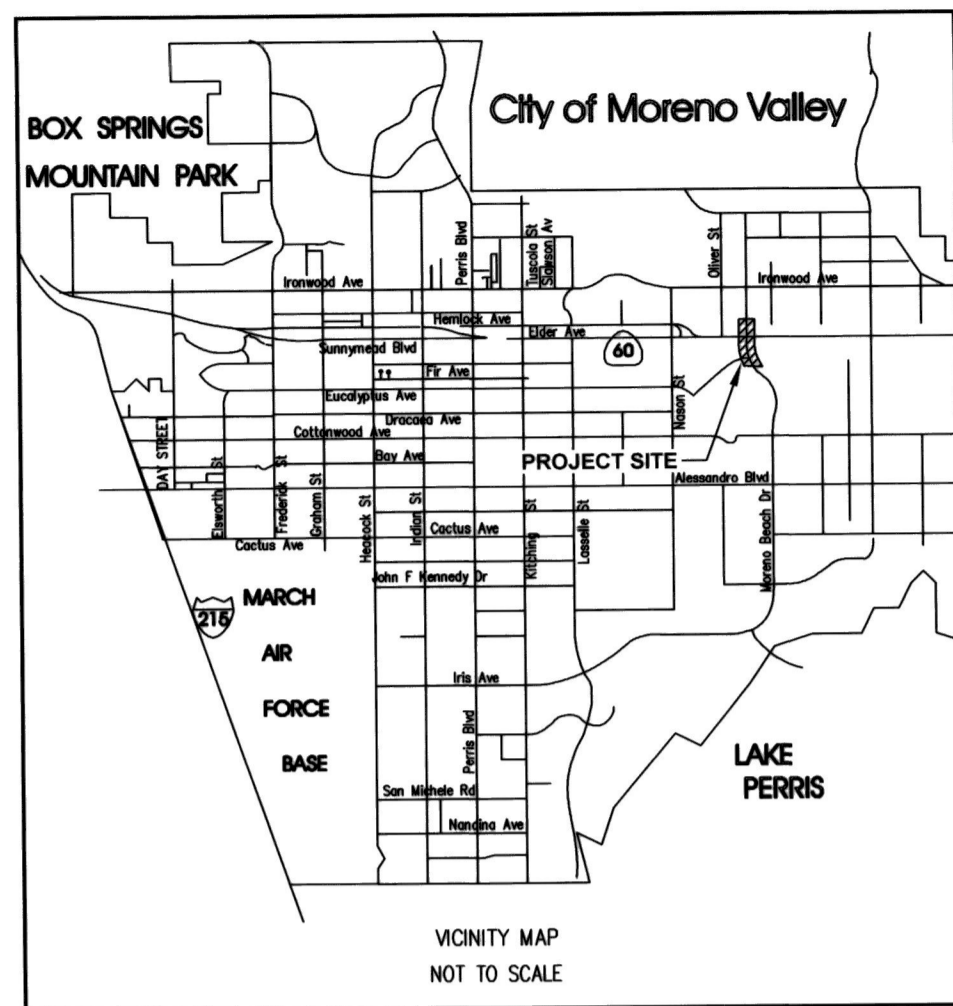
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	294	358
Greta Aiken		07/01/20			
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
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PARSONS 525 B STREET, SUITE 1600 SAN DIEGO, CA 92101			CITY OF MORENO VALLEY 14177 FREDERICK STREET MORENO VALLEY, CALIFORNIA 92552		

NOTE:
 ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

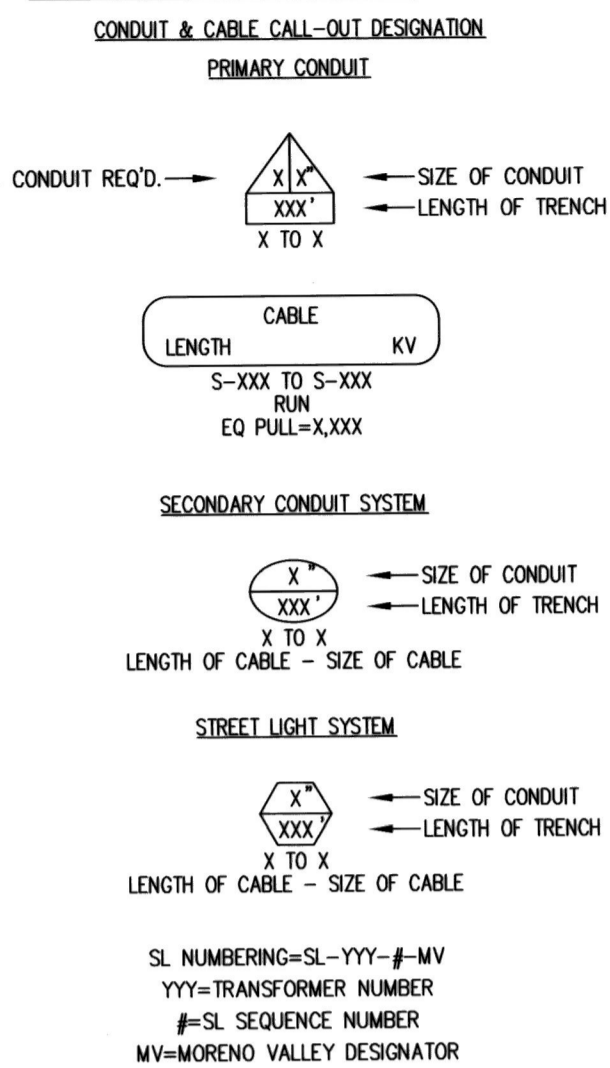
ELECTRICAL SYSTEMS QUANTITIES

NO SCALE

EQ-3

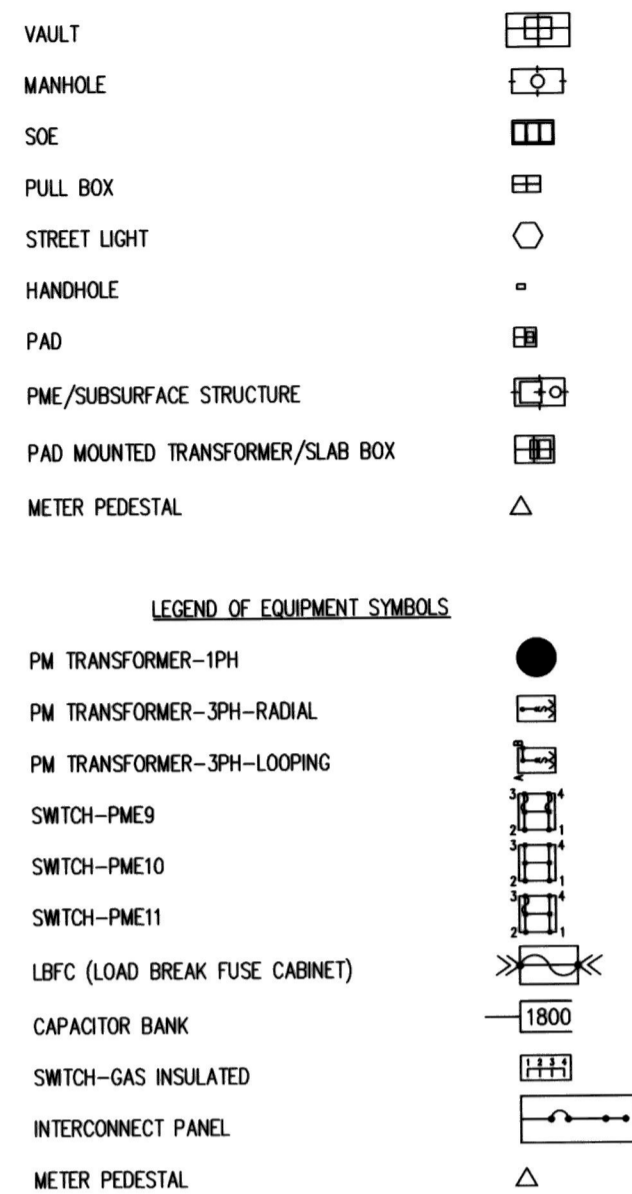


MORENO VALLEY STANDARD No. MVEU-701-0



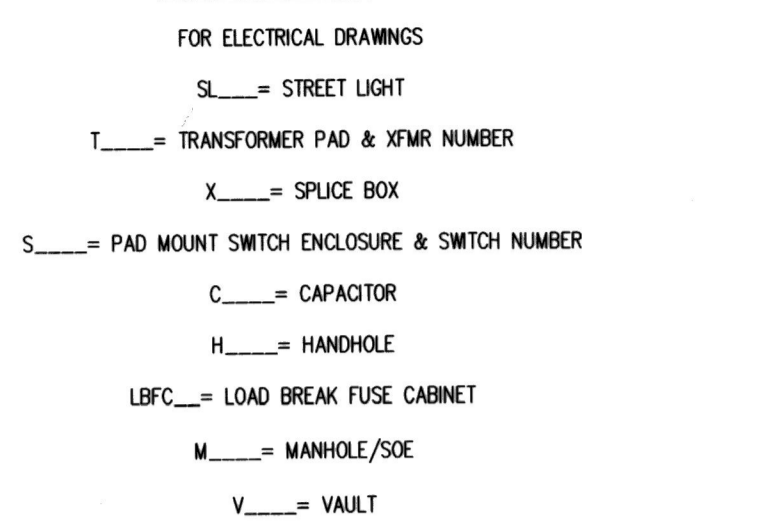
MORENO VALLEY STANDARD No. MVEU-702-0

LEGEND OF STRUCTURES



MORENO VALLEY STANDARD No. MVEU-703-0

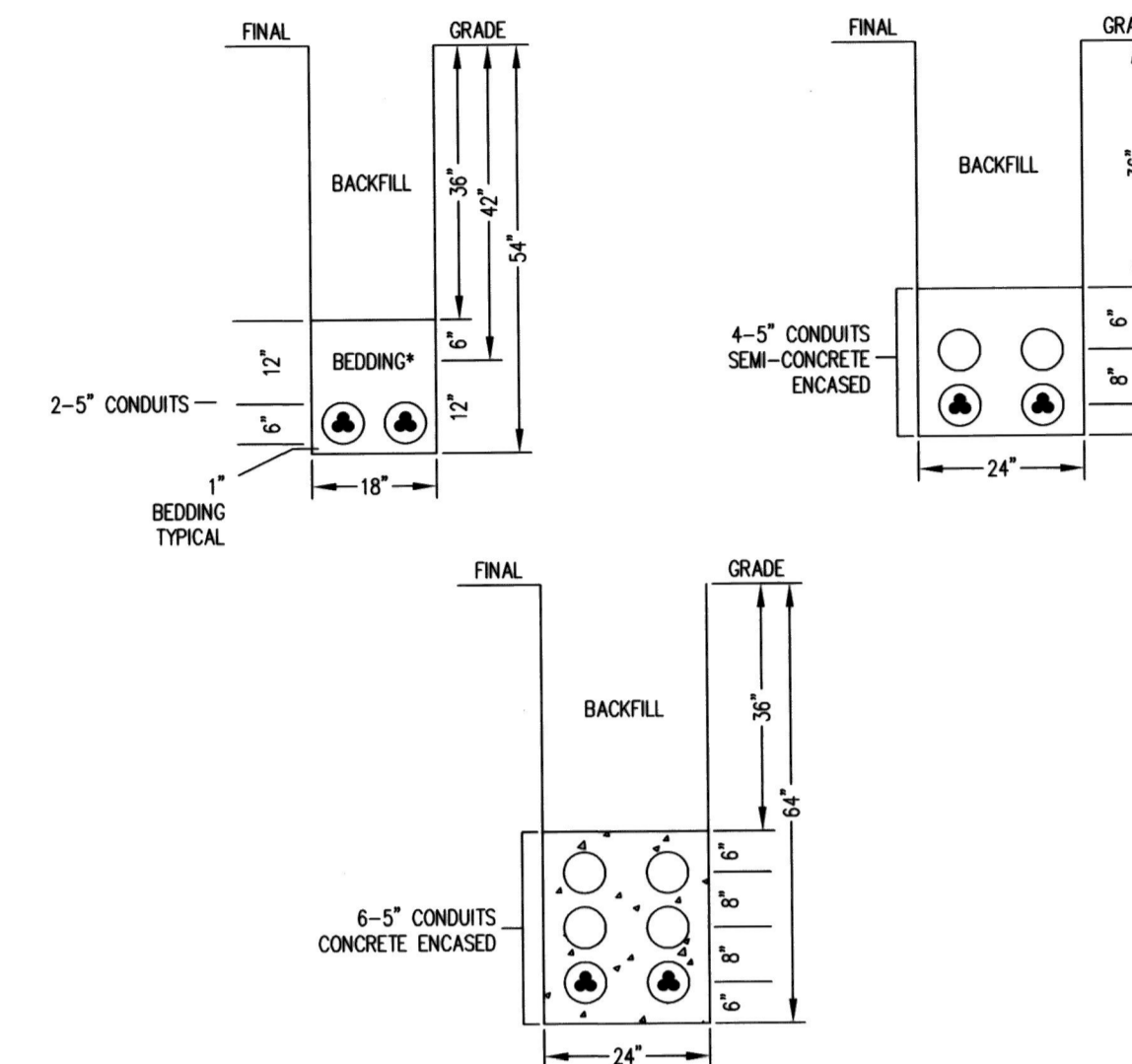
EQUIPMENT LEGEND AND NOTES



- RESIDENTIAL APPLICATIONS:**
- TRANSFORMERS ARE 6.9 kV NF 120/240V 1ph, PAD MOUNTED WITH LOAD BREAK BUSHINGS.
 - NON-FUSED HV CABLES IS 1/0 AWG AL 6.9kV JON OR CIC.
 - FUSED HV CABLE IS #2 AWG AL 6.9kV JON OR CIC.
 - SECONDARY CABLE IS 2-350 & 1-4/0 AL OR 2 4/0 & 1 1/0, 600V CLP UNLESS OTHERWISE SPECIFIED.
 - SERVICE CABLE IS 2-1/0 & 1-1/2 AL 600V CLP UNLESS OTHERWISE SPECIFIED.
 - PRIMARY & SECONDARY CONDUITS ARE 3" UNLESS OTHERWISE SPECIFIED.
 - SERVICE CONDUITS ARE 2 1/2" OR 3".
 - BACKBONE SYSTEMS ARE AS DESCRIBED PER NON-RESIDENTIAL CRITERIA.
 - STREET LIGHTING SYSTEMS REQUIRE 2" CONDUIT BETWEEN SPLICE BOXES UNLESS OTHERWISE SPECIFIED.
 - ALL 200A CABLE TERMINATIONS ARE LOAD BREAK ELBOWS.
- COMMERCIAL, INDUSTRIAL AND OTHER NON-RESIDENTIAL APPLICATIONS:**
- TRANSFORMERS ARE NEW 12kV, FUSED SWITCHED 1ph OR 3ph (AS END USER REQUIREMENTS) PAD MOUNTED WITH LOAD BREAK ELBOWS.
 - SWITCHES ARE 14-kV NOMINAL PAD MOUNTED TYPE.
 - CAPACITORS ARE 1200kVAR OR 1800kVAR, 12kV PAD MOUNTED, SWITCHED WITH FLOATING WYE CONNECTION WITH CONTROLLER.
 - NON-FUSED HV CABLES ARE 1000 kcmil, 750 kcmil, 350 kcmil, 1/0 AWG AL 12kV JON.
 - FUSED HV CABLE IS #2 AWG AL 12kV JON UNLESS OTHERWISE SPECIFIED.
 - SECONDARY CABLE IS 3-350 & 1-4/0 AL 600V CLP UNLESS OTHERWISE SPECIFIED.
 - SECONDARY & SERVICE CABLE IS 700kcmil, 350kcmil, 4/0kcmil, 1/0 AWG OR #2 AWG AL 600V CLP (AS PER END USER REQUIREMENTS).
 - STRUCTURES ARE SUBSURFACE TYPE.
 - PRIMARY CONDUITS ARE 5", UNLESS OTHERWISE SPECIFIED.
 - SERVICE CONDUITS ARE 4" OR 5" AS SPECIFIED IN THE DISTRIBUTION DESIGN STANDARDS.
 - COMMUNICATION CONDUITS ARE 2" AND INCLUDED WITH ALL BACKBONE (MAIN LINE) SYSTEMS.
 - STREET LIGHTING SYSTEMS REQUIRE 2" CONDUIT BETWEEN SPLICE BOXES UNLESS OTHERWISE SPECIFIED.
- NOTES:**
- CONDUITS ARE 80-100 OR SCH 40-80 WHERE EXPOSED TO SUNLIGHT.
 - THE ABOVE CRITERIA DEFINE THE GENERAL REQUIREMENTS FOR THE DESIGN OF THE ELECTRICAL SYSTEMS. FOR SPECIFIC DESIGN APPLICATIONS REFER TO THE CITY OF MORENO VALLEY DISTRIBUTION DESIGN CRITERIA. IT CAN BE OBTAINED AT MORENO VALLEY UTILITY OFFICE.

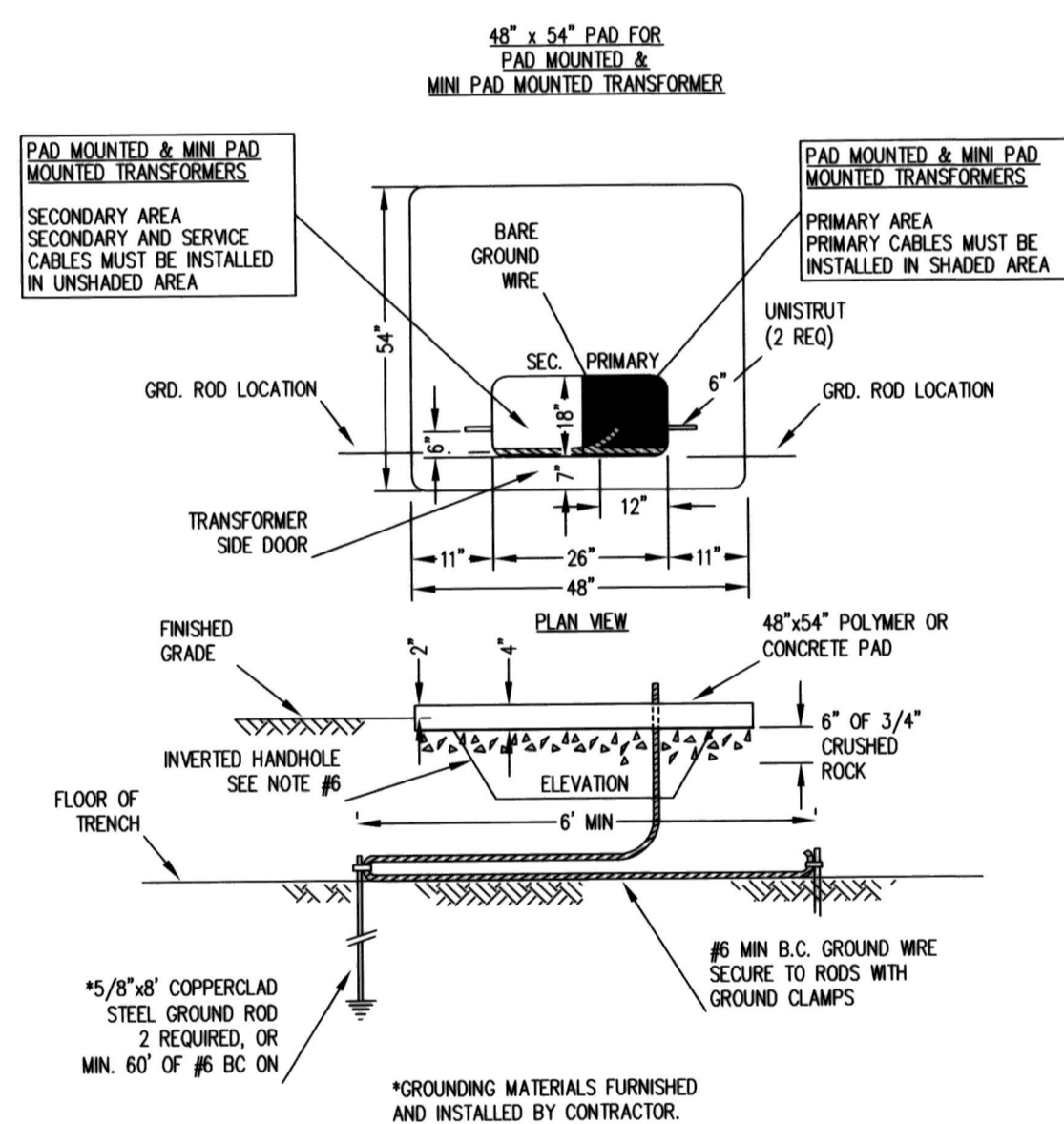
MORENO VALLEY STANDARD No. MVEU-724B-0

ELECTRIC ONLY TRENCH DETAILS FOR CONDUIT INSTALLATIONS



- NOTES:**
- BEDDING MATERIAL SHALL BE CLEAN SAND OR PEA GRAVEL, OTHERWISE, NATIVE MATERIALS MAY BE USED PROVIDED THEY MEET PUBLIC WORKS CONSTRUCTION (GREEN BOOK) STANDARDS PER SUBSECTION 306.1.2) AND MUST HAVE A SAND EQUIVALENT OF NOT LESS THAN 30 OR HAVING A COEFFICIENT OF PERMEABILITY GREATER THAN 1.4 INCHES/HR.
 - CONDUITS ARE DB, EB, OR SCH 40 DEPENDING ON APPLICATION PER PLAN.
 - FOR CONDUIT INSTALLATION IN A BORE, SEE STD. PLANS MVEU-727A & MVEU-727B.
 - FOR CONDUIT INSTALLATION IN EXISTING ROADWAYS, SEE STD PLANS MVS-132A, MVS-132B & MVS-132C.
 - CONCRETE SHALL BE TWO SACK ENCASMENT.

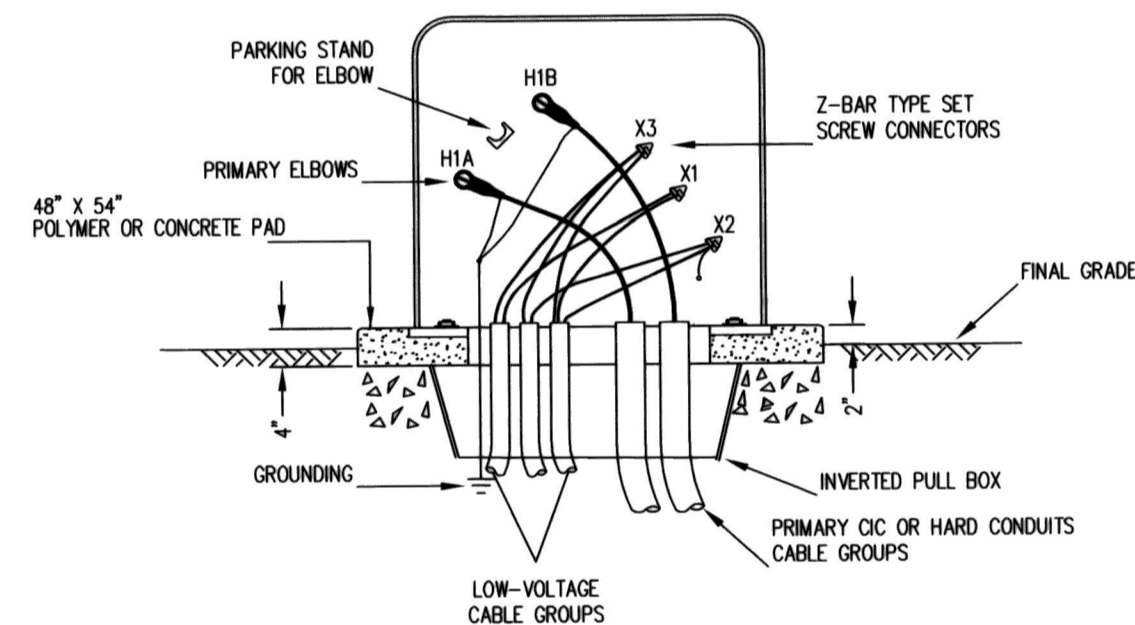
MORENO VALLEY STANDARD No. MVEU-711-0



- NOTES:**
- 8' UNOBSTRUCTED FLAT WORKING CLEARANCE IS REQUIRED AT FRONT OF PAD. (MEASURED FROM EDGE OF PAD)
 - 3' UNOBSTRUCTED CLEARANCE IS REQUIRED AT BACK OF PAD. (MEASURED FROM EDGE OF PAD)
 - 3' CLEARANCE IS REQUIRED ON BOTH SIDES OF PAD (MEASURED FROM EDGE OF PAD)
 - MASTIC SEALANT REQUIRED JOINTS AND GAPS AROUND TRANSFORMER ENCLOSURE.
 - SEE STDS MVEU-712-0, MVEU-722-0, & MVEU-723-0 FOR ADDITIONAL DETAILS.
 - INVERTED HH 13"x24"x15" REQUIRED FOR ALL MINI PAD MOUNTED TRANSFORMERS AND ALL DUCT INSTALLATIONS

MORENO VALLEY STANDARD No. MVEU-712-0

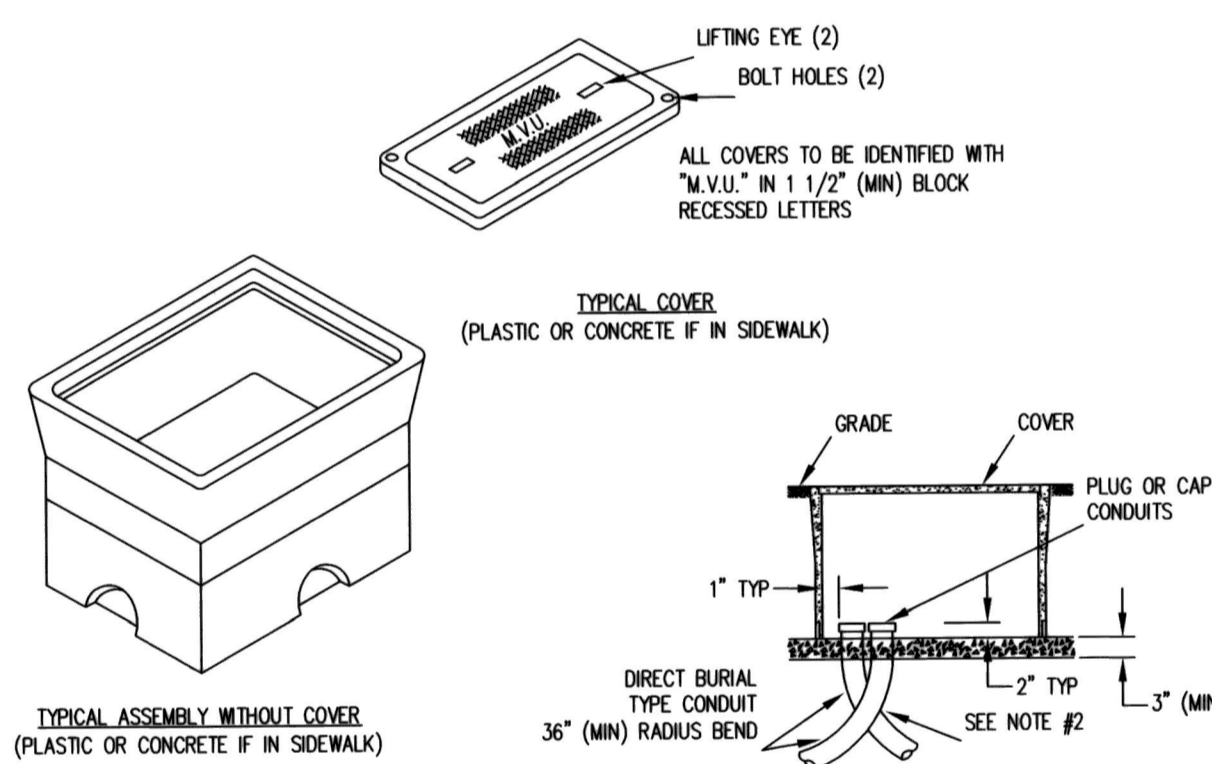
TYPICAL REQUIREMENTS FOR 6.9kV SINGLE-PHASE MINI-PAD MOUNTED TRANSFORMER



- NOTES:**
- A MAXIMUM OF 6 LOW VOLTAGE CABLES CAN BE PLACED INTO A MINI-PAD MOUNT TRANSFORMER. ONE CABLE RUN IS EITHER ONE SECONDARY OR ONE SERVICE RUN (MAXIMUM 350 KCMIL), UP TO TWO ADDITIONAL #6 STREET LIGHT RUNS MAY BE ADDED.
 - USE ALUMINUM BAR-TYPE SET-SCREW CONNECTORS.
 - USE OF MINI-PAD MOUNT TRANSFORMER REQUIRES A 13"x24"x15" INVERTED PLASTIC PULL BOX UNDER THE CABLE OPENING IN THE PAD. THIS IS NECESSARY TO PROVIDE ADEQUATE CABLE SLACK FOR OPERATION OF THE LOADBREAK/DEADBREAK ELBOWS. SEAL THE BOTTOM OF THE HANDHOLE OPENING AROUND THE CIC OR CONDUITS WITH A THIN LAYER OF RED-CRETE (OR EQUIVALENT) FOR RODENT OR WEED CONTROL.
 - GAPS BETWEEN CONCRETE OR POLYMER PADS AND PAD-MOUNTED EQUIPMENT SHALL BE SEALED TO PREVENT A PERSON FROM PASSING A WIRE OR OTHER CONDUCTING MATERIAL INTO THE COMPARTMENT WITH EXPOSED LIVE PARTS. (C.O. 128, 34.3). THIS WILL ALSO PREVENT TAMPERING, REDUCE MOISTURE, ENTRY, AND DETER RODENT/VERMIN NESTING INSIDE THE EQUIPMENT.

MORENO VALLEY STANDARD No. MVEU-720-0

10.5"x17"x24" STREET LIGHT CONNECTION PULL BOX (STREET LIGHT SYSTEM ONLY)



ALL CONDUITS

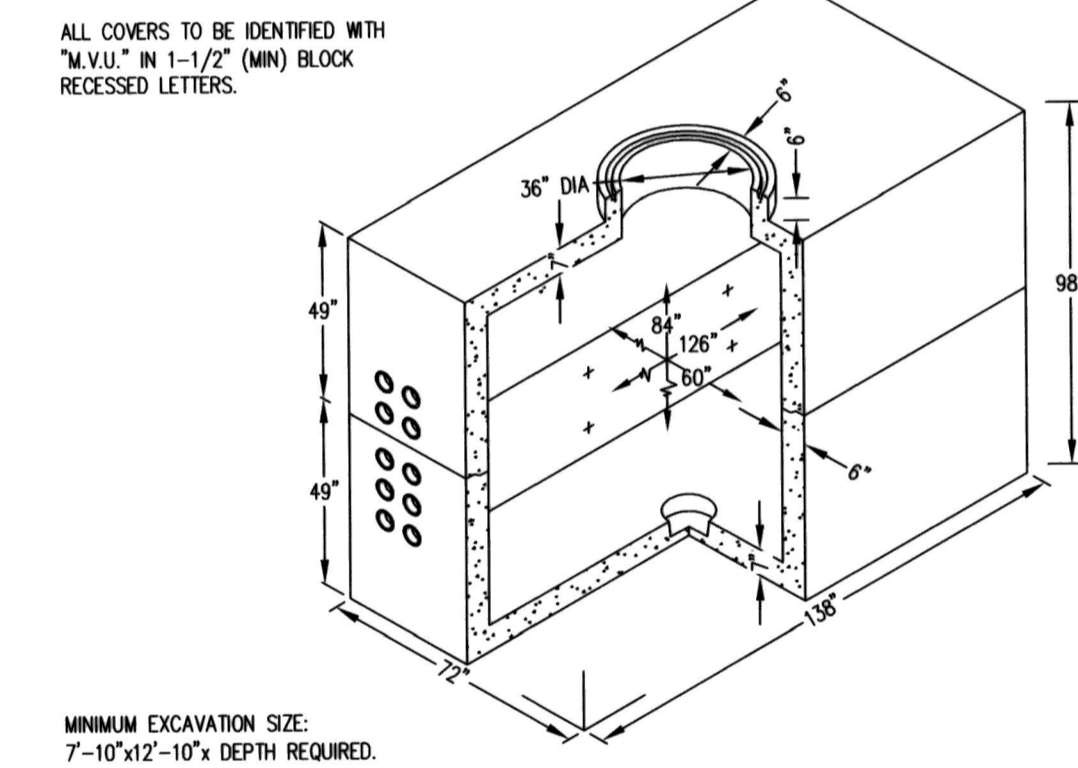
LOCATE CONDUITS ALONG A NARROW END OF PULL BOX

CONDUIT LOCATIONS

- NOTES:**
- RADIUS ANGLE MAY BE REDUCED TO LESS THAN 90° PROVIDING THE PROJECTED CENTER LINE OF THE CONDUIT CLEARS HANDHOLE OPENING.
 - TWO HOLD DOWN DEVICES TO BE SUPPLIED WITH EACH HANDHOLE.

MORENO VALLEY STANDARD No. MVEU-728A-0

5'x10'-6"x7" MANHOLE



- ALL COVERS TO BE IDENTIFIED WITH "M.V.U." IN 1-1/2" (MIN) BLOCK RECESSED LETTERS.**
- MINIMUM EXCAVATION SIZE:**
 7'-10"x12'-10" DEPTH REQUIRED.
- NOTES:**
- MANHOLE DESIGNED IN ACCORDANCE WITH AASHTO H-20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI CONCRETE COMPRESSIVE STRENGTH AND 60,000 PSI YIELD STRENGTH ASTM A-708 STEEL REINFORCEMENT.
 - MANHOLE TO BE PLACED ON A MIN. 6" CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
 - LIMIT OF COVER OVER TOP SECTION IS 1'-6" TO 4'-0".
 - 1 1/2" DIA. x 12" DIA. SLUMP x 4 1/2" DEEP WITH COVER, LOCATE AS FOLLOWS: BOTTOM OF SECTION (1) CORE MTD.
 - INSIDE WALL AND CEILING TO BE PAINTED WHITE.
 - TAMP EXCAVATION FLOOR.
 - ADJUST TO GRADE WITH GRADE RINGS.
 - PRIMARY GROUND HALO TO BE #4/0 BC AND ATTACHED TO ALL GROUND INSERTS.

CONTRACTOR SHALL ENSURE ALL FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS WILL BE INSTALLED, INSPECTED AND FIELD TESTED PRIOR TO ACCEPTANCE OF THE ELECTRICAL SYSTEM.

CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE FOR COORDINATION MEETINGS, INSTALLATIONS AND INSPECTIONS. CONTACT THE RESIDENT ENGINEER.

ENGINEER'S NOTICE TO CONTRACTORS

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DECLARATION OF DESIGN

THE DESIGN OF ELECTRICAL POWER SYSTEM AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES INCLUDING OBSERVANCE OF MINIMUM VERTICAL AND HORIZONTAL DISTANCES, IN ACCORDANCE WITH APPLICABLE REGULATIONS, FROM EXISTING FACILITIES INCLUDING BUT NOT LIMITED TO WATER AND SEWER LINES, STORM DRAINS, TELECOMMUNICATIONS AND CABLE TELEVISION SYSTEMS AND THAT THE DESIGN INCORPORATES PROPER SEPARATION FROM SUCH FACILITIES TO BE INSTALLED AS PART OF THE DEVELOPMENT.

NAME: ENCO UTILITY SERVICES DATE: 8/24/2020
 ADDRESS: 8141 EAST KAISER BLVD SUITE 212 ANAHEIM, CA 92808 PHONE: (714)283-6080

Statement of Plan Review

Electrical Distribution Plan Check.

Moreno Valley Electric Utility (MVU) has reviewed the electrical distribution plans on Moreno Beach Drive Bridge Crossing for conformance to City Standards and general electrical design. MVU recommends these plans for approval.

Name: *Clement Jimenez*
 Moreno Valley Utility
Clement Jimenez 8-26-20
 Signed Date

BACKBONE SYSTEM WA# 40-406 PROJECT No. 805 0056

LIST OF MATERIALS (MATERIALS TO BE SUPPLIED BY CONTRACTOR) [DUCTS & STRUCTURES INSTALLATIONS BY CONTRACTOR]

QUAN.	UNIT	DESCRIPTION	SIZE	REF DWG.	REV. DATE:
2	EA	MANHOLE W/TRAFFIC RATED LID	5'x10'-6"x7"	MVEU-728A-0	01/20/17
2	EA	TRANSFORMER PAD	48"54"	MVEU-711A-0	07/30/19
12	EA	CONDUIT	10.5'x17'x24"	MVEU-720-0	01/28/14
13	EA	STREET LIGHT	11,500 LUMENS	MVLT-400C-0	06/04/19
8,108	LFT.	CONDUIT	5"		
283	LFT.	CONDUIT	4"		
2,141	LFT.	CONDUIT	3"		
238	LFT.	CONDUIT	1 1/2"		
1,705	LFT.	TRENCH IN PAVEMENT	24" W, 18" D & 12" W	MVEU-724B-0	01/20/17
1,138	LFT.	TRENCH IN DIRT 12"		MVEU-724B-0	01/20/17
1	EA	BORE ACROSS 24" CITY MAINTAINED SD (5' EACH INCLUDING BORE PITS)		MVEU-724B-0	01/20/17
3,210	LFT.	REMOVE EXISTING AC PAVEMENT			
7,480	SQ. FT.	REMOVE & DISPOSE EXISTING PAVEMENT & BASE			
1,900	SQ. FT.	GRIND AC PAVEMENT			
246	TON	AGGREGATE BASE CLASS II (12")		MVS-132B-2	10/16/19
148	TON	AC (6") AND AC OVERLAY (0.15)		MVS-132C-1	10/16/19

BACKBONE SYSTEM WA# 40-406 PROJECT No. 805 0056

LIST OF MATERIALS (MATERIALS TO BE SUPPLIED BY CONTRACTOR) [CABLE INSTALLATIONS BY CONTRACTOR]

QUAN.	UNIT	DESCRIPTION	SIZE	REF DWG.	REV. DATE:
2	EA	TRANSFORMER	25kVA		
1,391	LFT.	PRIMARY 1-1/0 1/0 KCMIL AL			
171	LFT.	SECONDARY 350 AWG			
1,204	LFT.	SECONDARY 1-1/0 AWG			
290	LFT.	SERVICE #6 AWG			
4	EA	200A LB ELBOW W/TEST POINT			
1	EA	200A STRAIGHT SPLICE			
1	EA	200A CAP W/TEST POINT			
2	LOT	4EA-14" CABLE STEPS			
2	LOT	30" RACKS			
2	LOT	GROUND ASSEMBLY			

DIGALERT CALL TOLL FREE 811 2 WORKING DAYS BEFORE YOU DIG

PLANS ARE APPROVED FOR CONSTRUCTION WHEN SIGNED BY THE PUBLIC WORKS DIRECTOR/CITY ENGINEER

CITY OF MORENO VALLEY APPROVALS

STAMP

ENGINEERS APPROVAL

CITY OF MORENO VALLEY

CONDUIT EXTENSION
 MORENO BEACH DRIVE BRIDGE CROSSING
 MORENO BEACH DRIVE AND EUCALYPTUS AVENUE

ACCT. No. 6011-30-80-8005-720134

SHEET 1 OF 4

CITY ID No. 805 0056

SUPPORTS FOR CONDUITS ON BRIDGES

I. CONDUIT

- A. FOR EXPOSED INSTALLATIONS-SCHEDULE 80 PVC OR STANDARD HDG STEEL.
- B. FOR ENCLOSED INSTALLATIONS-PVC OR HDG STEEL.
- C. CONDUIT CONFIGURATION TO BE SHOWN ON WORKING DRAWING.
- D. FOLLOWING ARE THE DIMENSIONS OF THE MINIMUM OPENING IN BRIDGE ABUTMENTS FOR CONDUIT BANK ENTRANCE AND EXIT. ALL FIGURES ARE BASED ON 5-INCH PLASTIC CONDUIT, VERTICAL CONFIGURATION, AND SPACED.

- 4 CONDUIT BANK 18" WIDE BY 18" HIGH
- 6 CONDUIT BANK 18" WIDE BY 26" HIGH
- 8 CONDUIT BANK 18" WIDE BY 33" HIGH
- 10 CONDUIT BANK 18" WIDE BY 41" HIGH

II. EXPANSION JOINTS

EXPANSION JOINT SHOULD BE INSTALLED AS FOLLOWS:

- 1. HDG STEEL-AT EACH BRIDGE EXPANSION JOINT.
- 2. PLASTIC-AT 200' MAXIMUM INTERVALS OR, IF BRIDGE IS SHORTER THAN 200', ONE JOINT.
- 3. CONDUIT TO BE ANCHORED AT EACH EXPANSION JOINT BY SOLVENT WELDING COLLARS ON CONDUIT AT EACH SIDE OF HANGER SUPPORT.

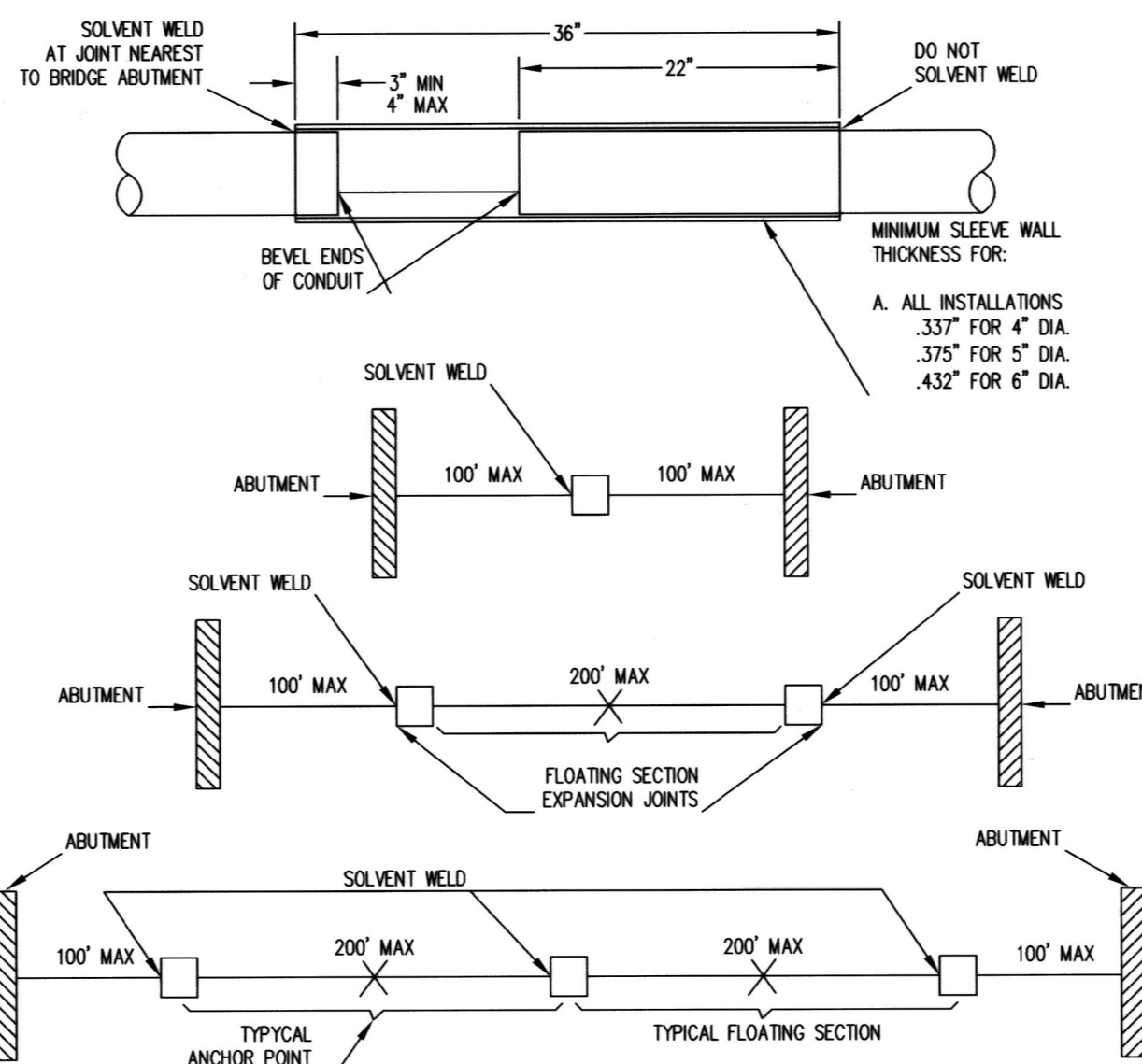
III. HANGER SUPPORT

- A. 10' MAXIMUM SPACING FOR SCHEDULE 80 PLASTIC CONDUIT.
- B. SUPPORTS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. (ALL BOLTS, STUDS, NUTS, ETC., TO BE STAINLESS STEEL.
- C. SUPPORTS SHOULD BE LOOSE ENOUGH TO ALLOW CONDUIT TO EXPAND AND CONTRACT WITH TEMPERATURE CHANGES.
- D. SQUARES THAT ENCLOSE CONDUIT IN SUPPORTS SHOULD BE APPROXIMATELY 1/2" LARGER THAN THE O.D. OF THE CONDUIT.

WEIGHTS FOR MATERIALS:	BOLTS:
SCH 80 PVC	1/2" ø = 0.7 # FT
2.8 # FT	5/8" ø = 1.1 # FT
3.9 # FT	3/4" ø = 1.5 # FT
5.3 # FT	

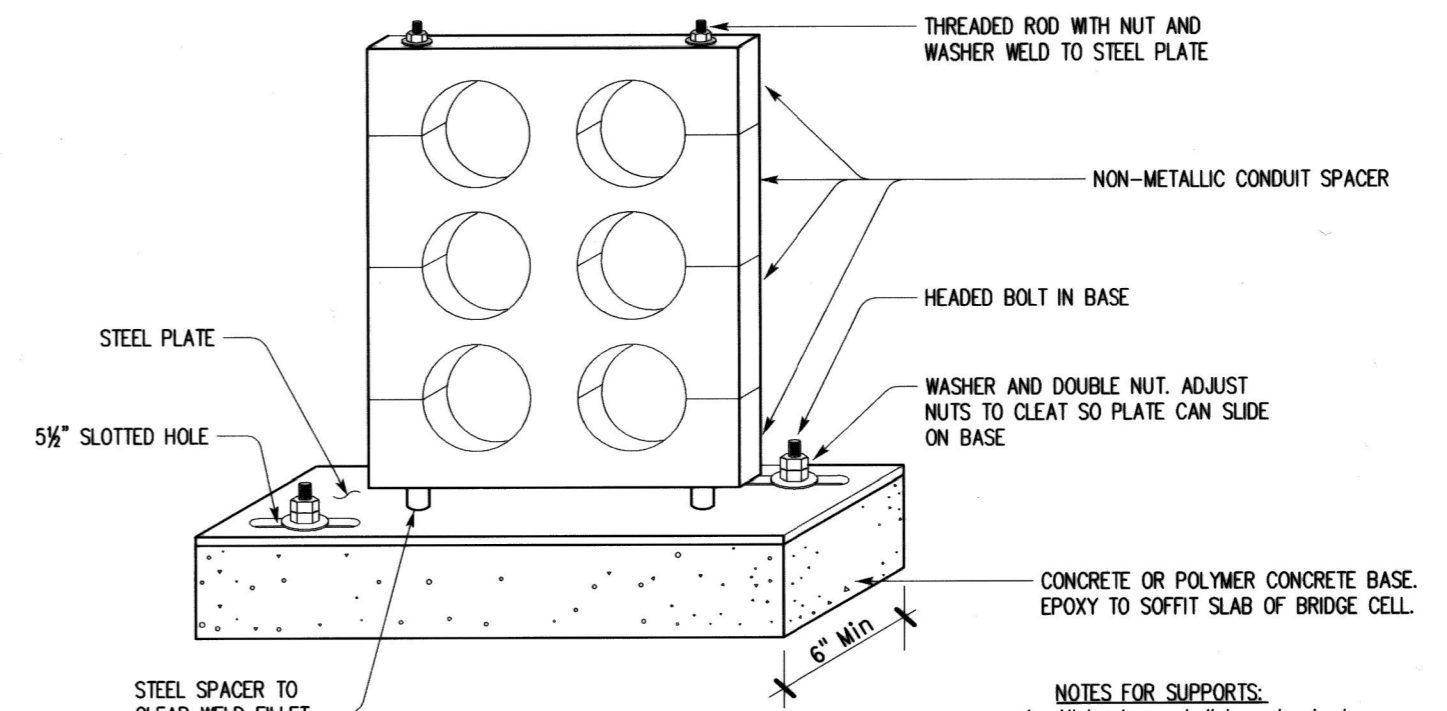
- 3" x 3" x 3/8" STEEL ANGLE = 7.2 # FT
- 1-1/2" x 3/4" STEEL CHANNEL = 2.5 # FT
- 2" x 4" WOOD = 1.6 # FT
- CONCRETE BASE = 40 #

EXPANSION JOINT FOR PLASTIC CONDUIT



NOTES:

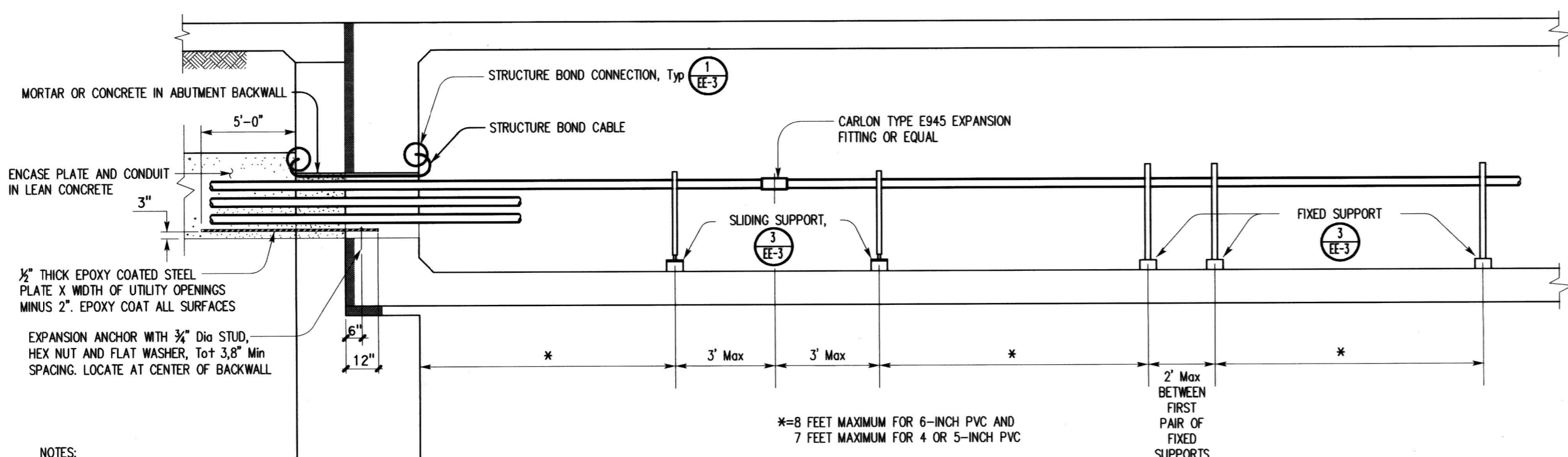
- 1. THE EXPANSION JOINT IS A LENGTH OF COUPLING STOCK EXTRUDED FROM THE SAME MATERIAL AS THE CONDUIT THAT IT JOINS.
- 2. THE MATING ENDS OF CONDUIT SHALL BE BEVELED TO PROVIDE A SMOOTH TRANSITION WITHIN THE JOINT.
- 3. THE EXPANSION JOINT SHALL BE SOLVENT WELDED 3 TO 4 INCHES ONTO ONE END OF THE CONDUIT.
- 4. THE MATING END OF THE CONDUIT SHALL THEN BE POSITIONED 22" INTO THE FREE END OF THE EXPANSION JOINT. DO NOT SOLVENT WELD.
- 5. INSTALL ALL EXPANSION JOINTS AT THE MIDWAY POINT BETWEEN CONDUIT SUPPORTS SO THE MAXIMUM DISTANCE CAN BE MAINTAINED FROM ALL SPACERS, SUPPORTS, OR STRAPS.
- 6. INSTALL THE EXPANSION JOINT WITHIN 100' OF THE BRIDGE ABUTMENT. WHEN ONLY ONE EXPANSION JOINT IS REQUIRED, DO NOT ANCHOR THE EXPANSION JOINT OR CONDUIT. WHEN TWO OR MORE EXPANSION JOINTS ARE REQUIRED, EACH SECTION OF FLOATING CONDUIT MUST BE ANCHORED AT MID-POINT BETWEEN THE EXPANSION JOINTS TO PREVENT EXCESSIVE LONGITUDINAL MOVEMENT. CONDUIT TO BE ANCHORED BY SOLVENT WELDING COLLARS AT EACH SIDE OF HANGER SUPPORT.



SLIDING SUPPORT

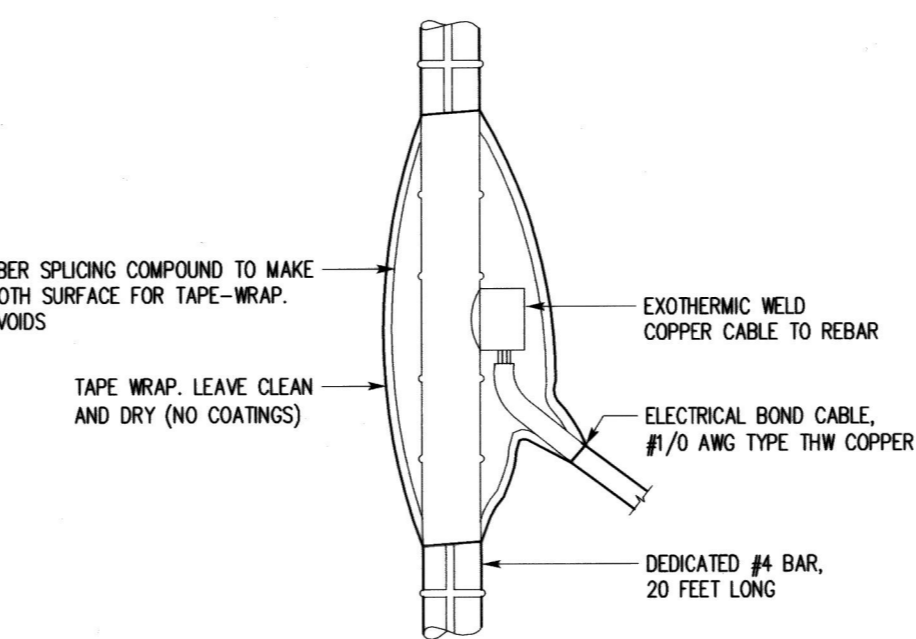
3 TYPICAL SUPPORTS

- NOTES FOR SUPPORTS:
- 1. All hardware shall be galvanized or stainless steel.
 - 2. Epoxy coat plate.
 - 3. Epoxy coat any rod surface where galvanized or plating is removed for or by welding.
 - 4. Alternative style supports are acceptable upon approval.



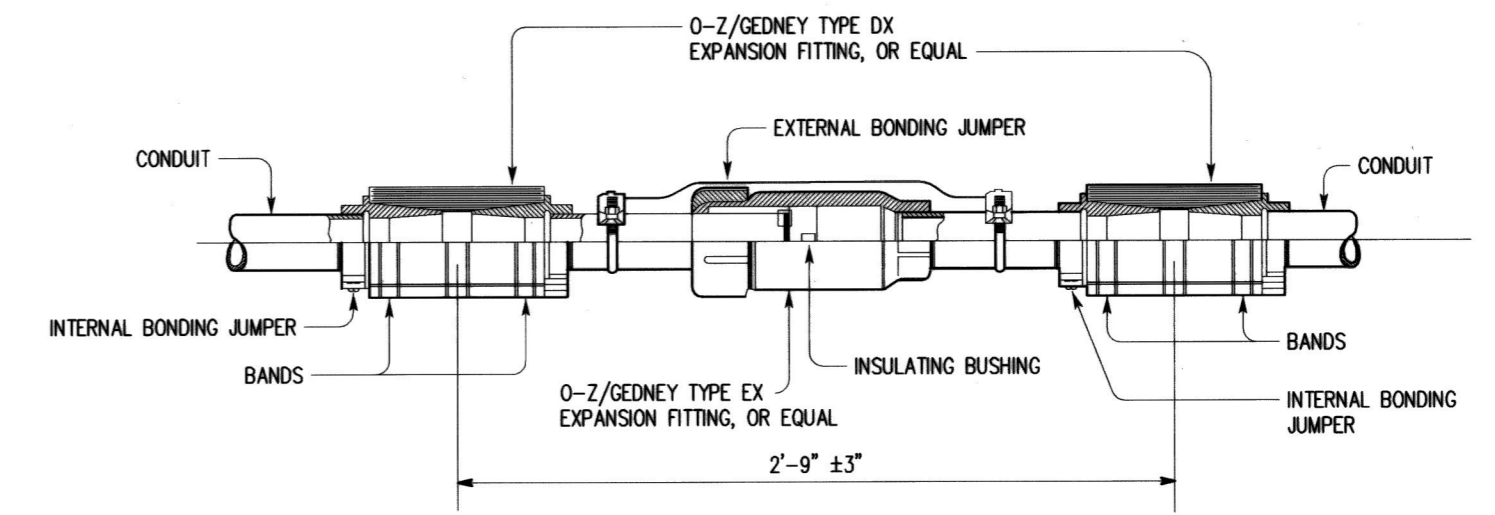
- NOTES:
- 1. Conduit must be centered (horizontally) in utility opening.
 - 2. This installation of supports will accommodate 0.2 feet of lateral movement in an array of (6) 6" schedule 40 or 80 PVC ducts. Utility must design for more lateral movement or stiffer arrays when necessary.

PVC CONDUIT



NEW BRIDGES

1 STRUCTURE BOND CONNECTION DETAILS



2 DETAIL

DIGALERT

CALL TOLL FREE 811
2 WORKING DAYS BEFORE YOU DIG

PLANS ARE APPROVED FOR CONSTRUCTION WHEN SIGNED BY THE PUBLIC WORKS DIRECTOR/CITY ENGINEER

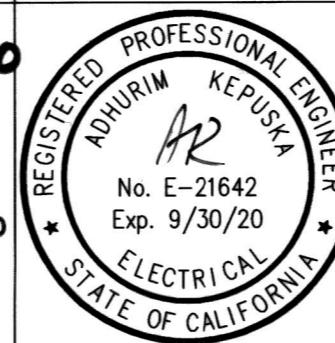
MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR.	DATE
			REVISION			

CITY OF MORENO VALLEY APPROVALS

JEANNETTE OLKO
ELECTRIC UTILITY MANAGER
8/26/2020
DATE

MICHAEL L. WOLFE, PE
PUBLIC WORKS DIRECTOR / CITY ENGINEER
R.C.E. #65623
9/3/2020
DATE

STAMP



ENGINEERS APPROVAL

SIGNATURE
DATE
ENGINEER No.: E-21642
EXP: 9/30/20

CITY OF MORENO VALLEY

CONDUIT EXTENSION
MORENO BEACH DRIVE BRIDGE CROSSING
MORENO BEACH DRIVE AND EUCALYPTUS AVENUE

ACCT. No. 6011-30-80-8005-720134

SHEET 2 OF 4

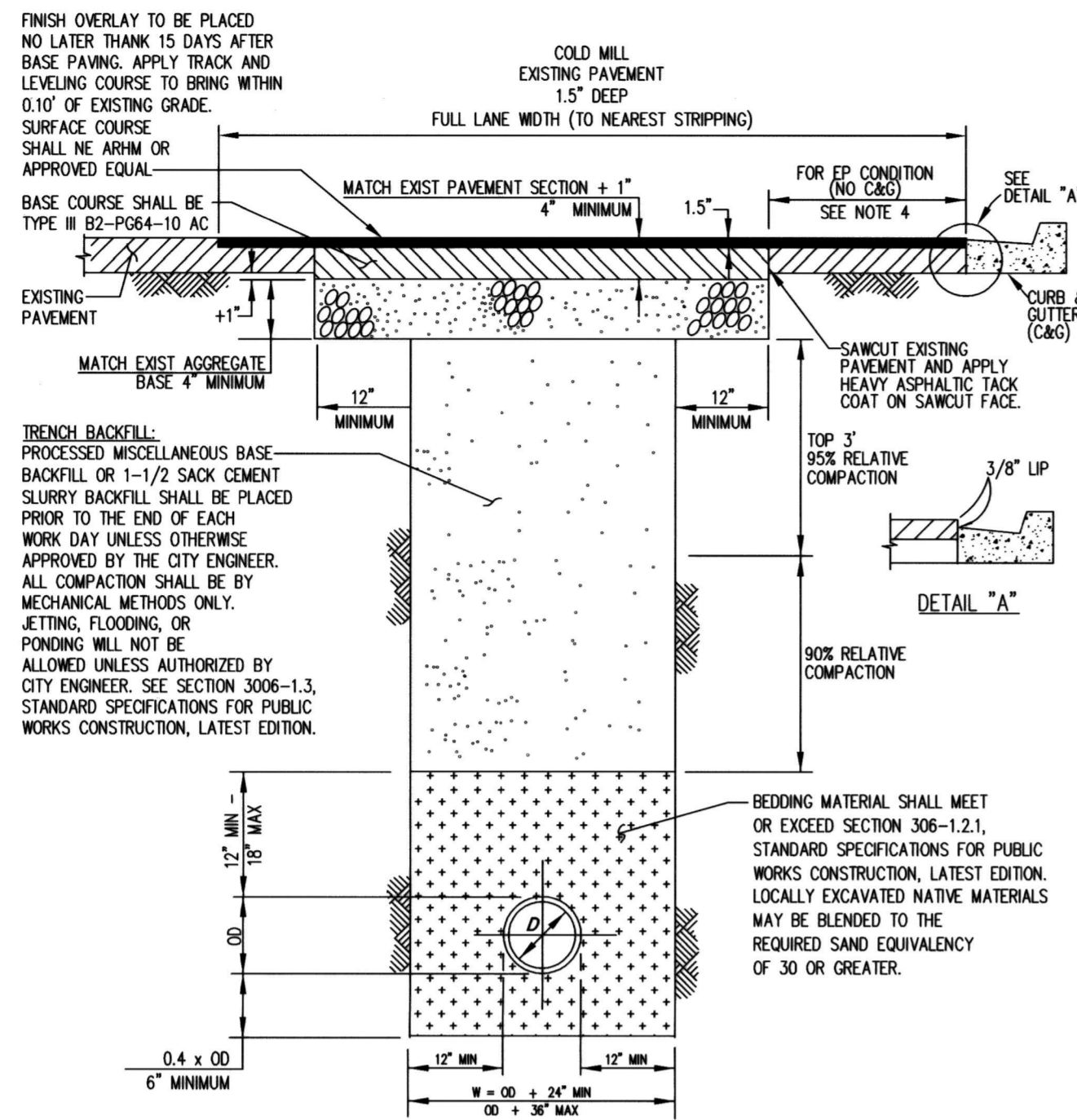
CITY ID No. 805 0056

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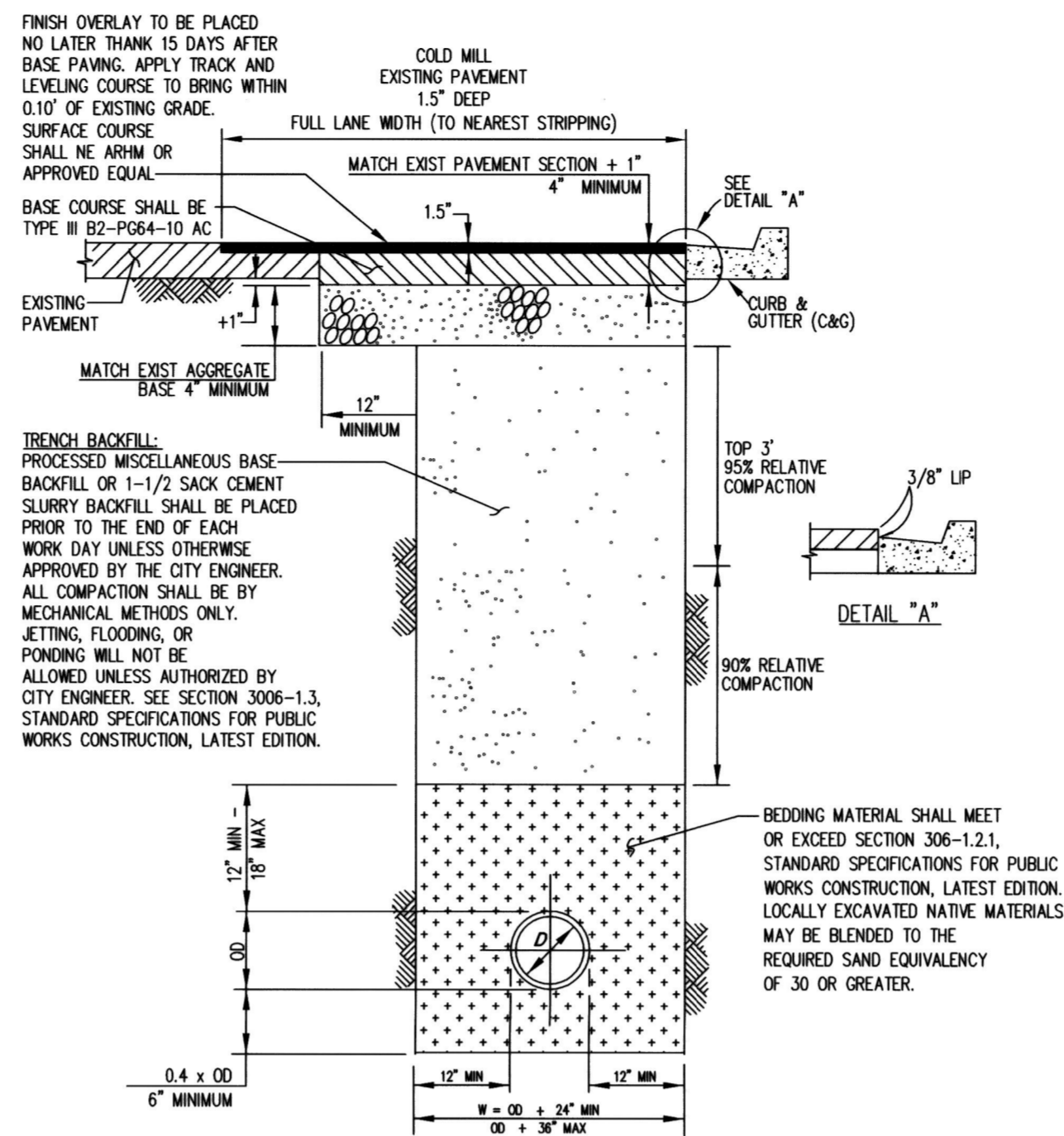
PARALLEL TRENCH BACKFILL AND ROADWAY



NOTES:

- SEE ADDITIONAL REQUIREMENTS, STD No MVSI-132C.
- ALL TRENCHING AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH SECTION 306, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- ALL TEMPORARY PAVING SHALL HAVE A MINIMUM 2" OF AC ON LOCAL STREETS AND 3" ON ALL OTHERS.
- FOR EDGE OF PAVEMENT (EP) CONDITION (NO CURB AND GUTTER), REMOVE AND REPLACE FULL DEPTH PAVEMENT (AB AND AC) REMNANTS UP TO 6".

ALONG EUCALYPTUS AVENUE GUTTER EDGE PARALLEL TRENCH BACKFILL AND ROADWAY



NOTES:

- SEE ADDITIONAL REQUIREMENTS, STD No MVSI-132C.
- ALL TRENCHING AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH SECTION 306, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- ALL TEMPORARY PAVING SHALL HAVE A MINIMUM 2" OF AC ON LOCAL STREETS AND 3" ON ALL OTHERS.

TRENCH BACKFILL AND ROADWAY REPAIR NOTES

REQUIREMENTS FOR TRENCHES OR OTHER EXCAVATIONS WITHIN PUBLIC RIGHTS-OF-WAY OR EASEMENTS

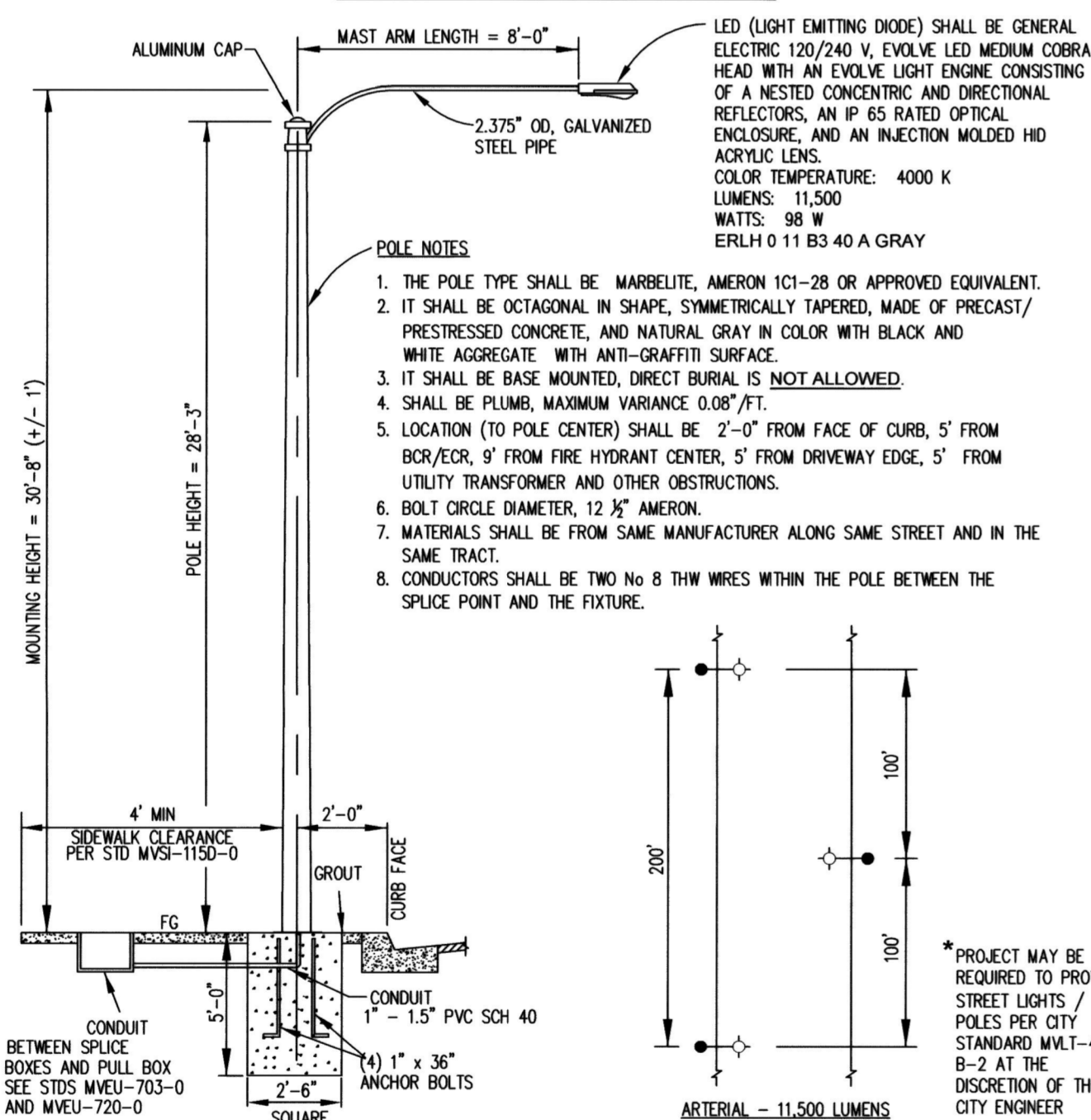
ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION, UNLESS OTHERWISE SPECIFIED, INCLUDING AMENDMENTS AND SUPPLEMENTS THERETO, EXCEPTING AS HEREBY SUPPLEMENTED AND AMENDED.

A. STANDARD REQUIREMENTS

- BEDDING:** BEDDING SHALL BE DEFINED AS THAT MATERIAL SUPPORTING, SURROUNDING AND EXTENDING TO ONE FOOT ABOVE THE FACILITY. EXCEPT WHERE CONCRETE ENCASUREMENT IS USED, MATERIALS USED FOR BEDDING SHALL BE SAND, GRAVEL, CRUSHED AGGREGATE, NATIVE FREE-DRAINING AND GRANULAR MATERIAL HAVING A SAND EQUIVALENT OF NOT LESS THAN THIRTY (30).
- BACKFILL:** BACKFILL SHALL BE DEFINED AS THAT MATERIAL ON AND ABOVE THE BEDDING AND EXTENDING TO THE SUBGRADE FOR REPLACEMENT OF PUBLIC IMPROVEMENTS OR TO FINISH GRADE WHERE NO PUBLIC IMPROVEMENTS EXIST. MATERIALS USED FOR BACKFILL: IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THIS STANDARD PLAN.

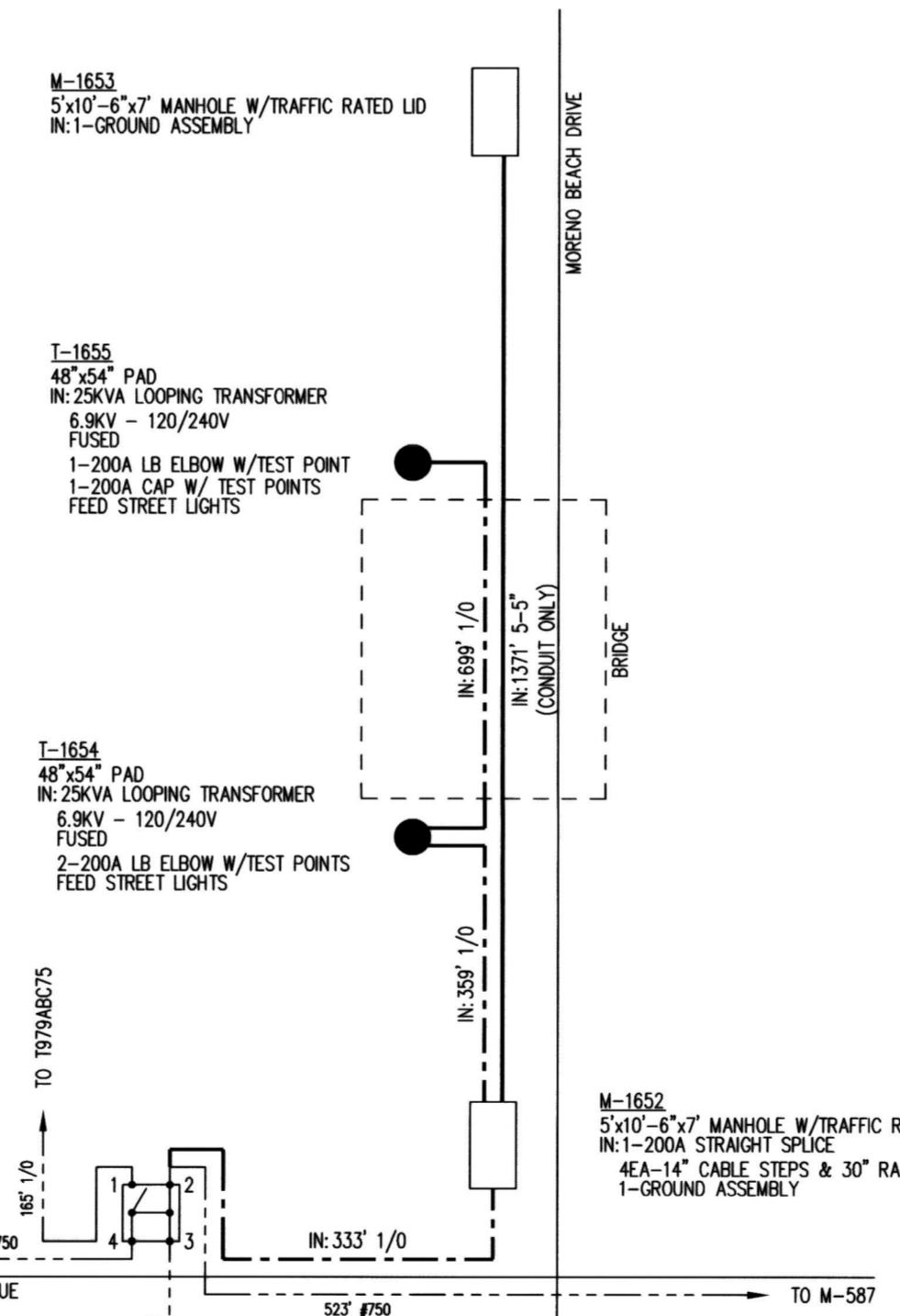
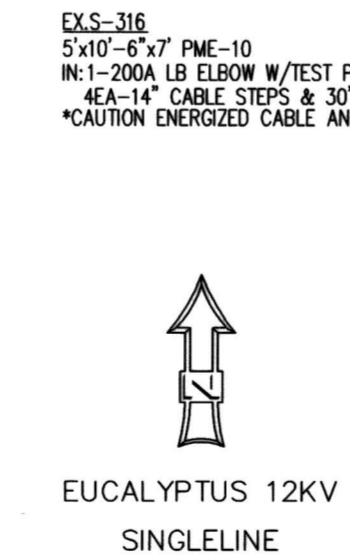
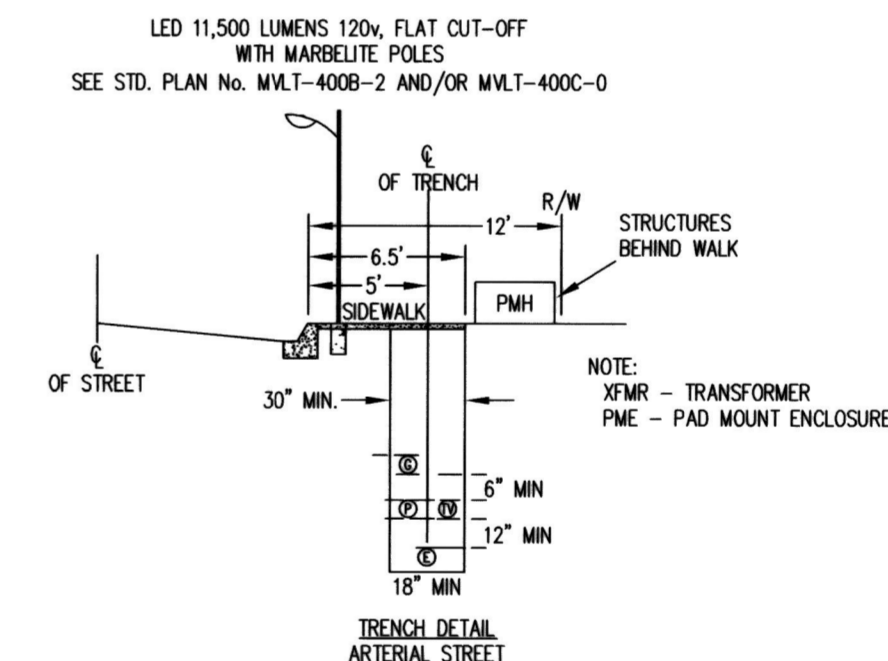
B. REPLACEMENT REQUIREMENTS

- BASE:** BASE MATERIAL REPLACEMENT SHALL BE NO LESS IN THICKNESS THAN THE EXISTING PLUS ONE INCH AND, IN NO CASE, LESS THAN FOUR INCHES IN THICKNESS FOR BITUMINOUS ROADWAYS AND SHALL BE INSTALLED TO SAWCUT LIMITS PER CITY STANDARD AS FOLLOWS:
 - PERMANENT ASPHALT PAVEMENT REPLACEMENT SHALL BE BASE COURSE TYPE III, B2-PG64-10, CAP TYPE III, C3-PG64-10 OR AHRM TO MATCH EXISTING.
 - WHEN TEMPORARY PAVEMENT RESURFACING IS PLACED, IT SHALL BE REMOVED AND PERMANENT PAVEMENT REPLACEMENT PLACED WITHIN A PERIOD NOT TO EXCEED FIFTEEN (15) WORKING DAYS FOLLOWING THE PLACEMENT OF THE TEMPORARY PAVEMENT. TEMPORARY PAVING WILL BE MAINTAINED BY THE CONTRACTOR TO PROVIDE A SAFE, SMOOTH RIDE.
 - TRENCHES WITHIN 25 FEET OF EACH OTHER SHALL REQUIRE A 0.15 GRIND AND OVERLAY FOR THE ENTIRE AREA BETWEEN TRENCHES.
- STRIPING:** ANY DISTURBED/DAMAGED STRIPING DUE TO TRENCHING WORK SHALL BE RESTORED AND REFRESHED TO THE ENGINEER'S SATISFACTION.
- TESTING:** ALL TESTING SHALL BE PROVIDED BY THE CONTRACTOR. COMPACTION REPORTS SHALL BE SUBMITTED TO THE CITY ENGINEER.
- MORATORIUM - PROHIBITION OF PAVEMENT CUTTING:** ASPHALT CONCRETE PAVEMENT LESS THAN THREE (3) YEARS OLD AND SLURRY SEAL LESS THAN ONE (1) YEAR OLD SHALL NOT BE CUT EXCEPT FOR EMERGENCY REPAIRS OR AS SPECIFICALLY APPROVED IN WRITING BY THE CITY ENGINEER. SPECIAL REQUIREMENTS WILL BE IMPOSED FOR REPAVING.



NOTES:

- THE POLE TYPE SHALL BE MARBELITE - AMERON 1C1-28 OR EQUIVALENT.
- LIGHTING SHALL BE SPACED 200' MAX (±20') OR AS APPROVED BY THE CITY ENGINEER DISTANCE APART ON EACH SIDE OF THE STREET.
- THE CITY MAY REQUIRE ADDITIONAL LIGHTING IN AREAS WHERE INCREASED ILLUMINATION IS DETERMINED TO BE NEEDED.
- ALL CONCRETE SHALL BE 560-C-3250.
- THIS STANDARD SHALL APPLY TO THE STREET CLASSIFICATIONS OF INDUSTRIAL COLLECTOR AND ABOVE.
- FOR IN-FILL CONDITIONS, LIGHTS MAY BE LOCATED TO MATCH EXISTING CONDITIONS.



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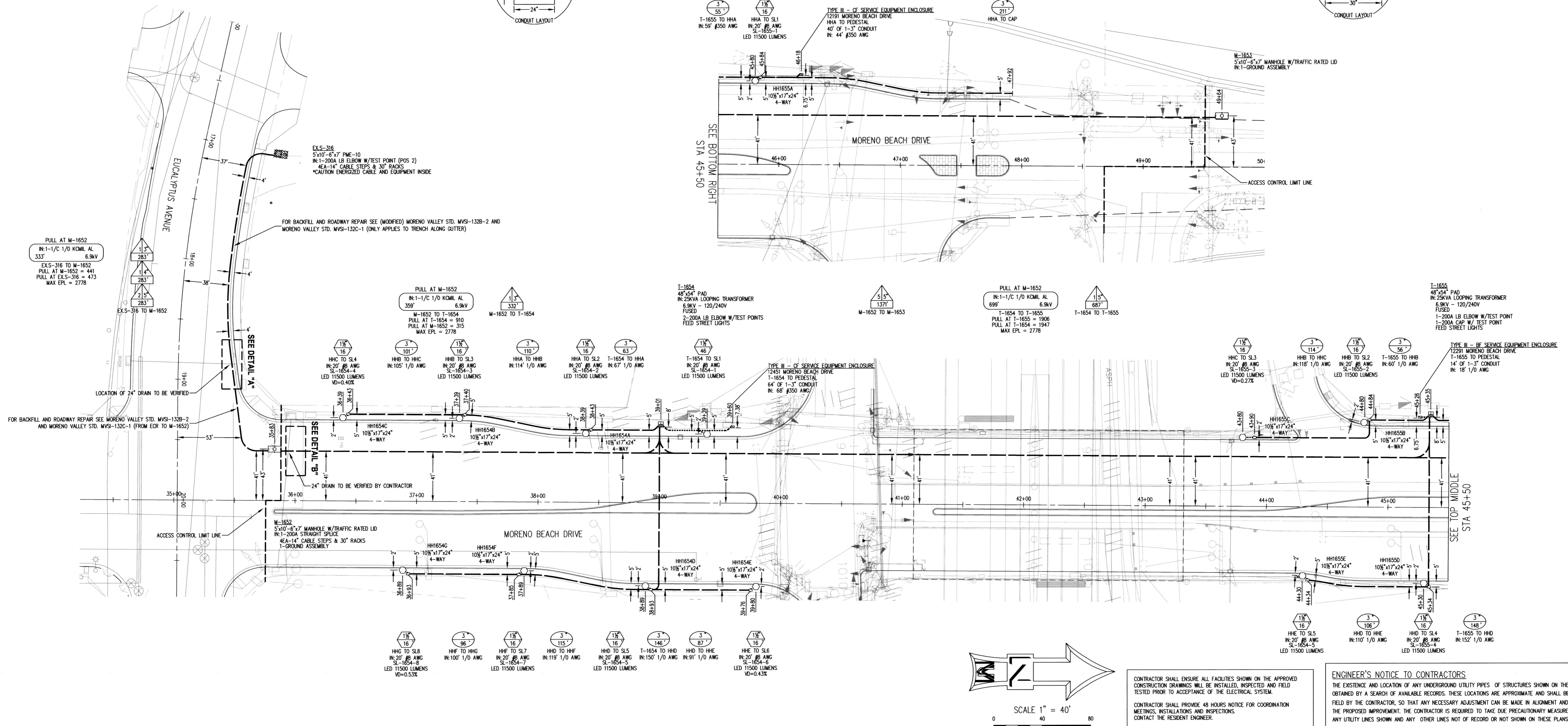
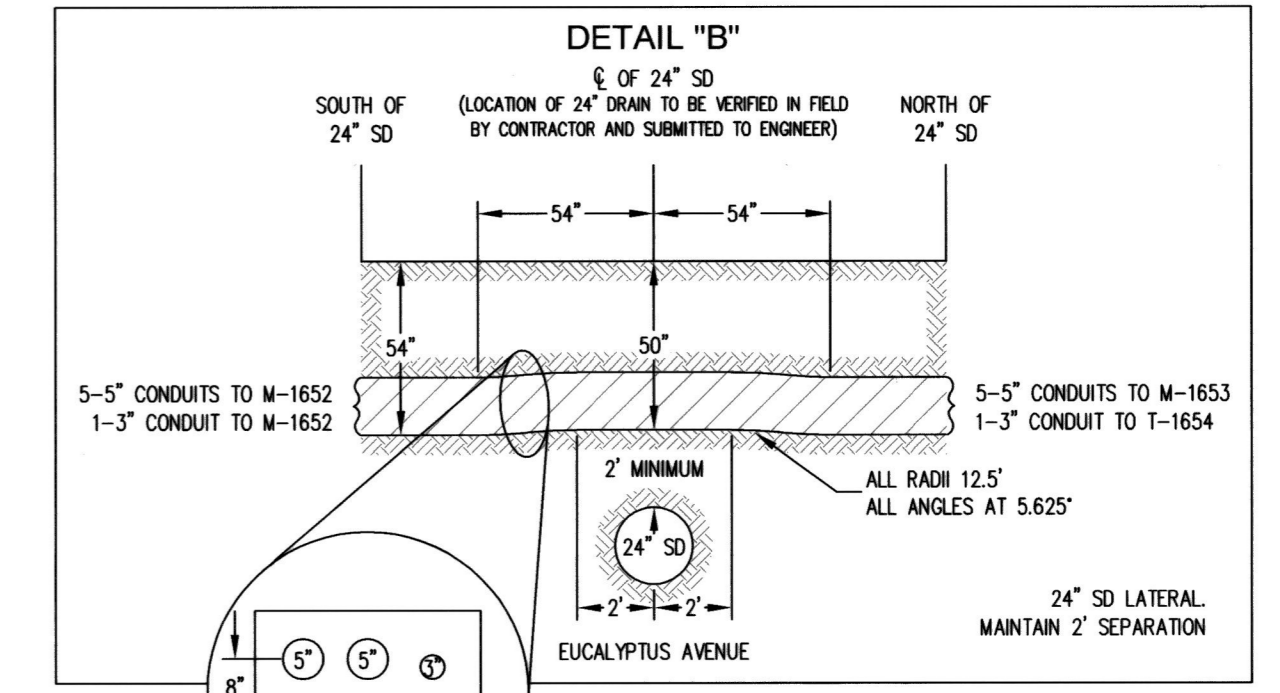
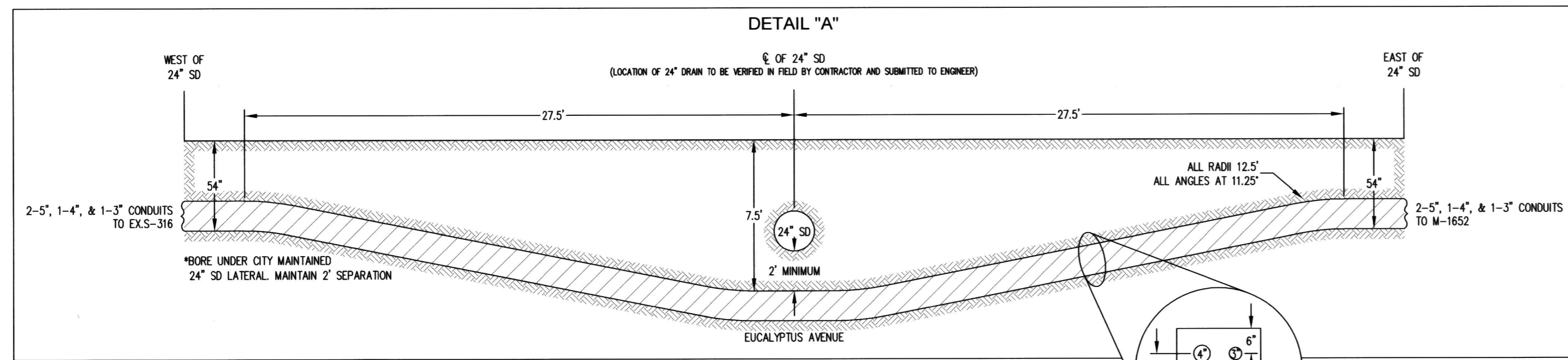
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CITY OF MORENO VALLEY APPROVALS				STAMP		ENGINEERS APPROVAL		CITY OF MORENO VALLEY		ACCT. No. 6011-30-90-9005-720134	
JEANNETTE OLKO ELECTRIC UTILITY MANAGER DATE: 8-26-2020				MICHAEL L. WOLFE, PE PUBLIC WORKS DIRECTOR / CITY ENGINEER R.C.E. #5623 DATE: 9/3/2020		[Professional Engineer Stamp] No. E-21642 Exp. 9/30/20		[Signature] DATE: 8-26-20		CONDUIT EXTENSION MORENO BEACH DRIVE BRIDGE CROSSING MORENO BEACH DRIVE AND EUCALYPTUS AVENUE	
MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR.	DATE					SHEET 3 OF 4
		E.O.R.	REVISION								CITY ID No. 805 0056



PLANS ARE APPROVED FOR CONSTRUCTION WHEN SIGNED BY THE PUBLIC WORKS DIRECTOR/CITY ENGINEER



CONTRACTOR SHALL ENSURE ALL FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS WILL BE INSTALLED, INSPECTED AND FIELD TESTED PRIOR TO ACCEPTANCE OF THE ELECTRICAL SYSTEM.

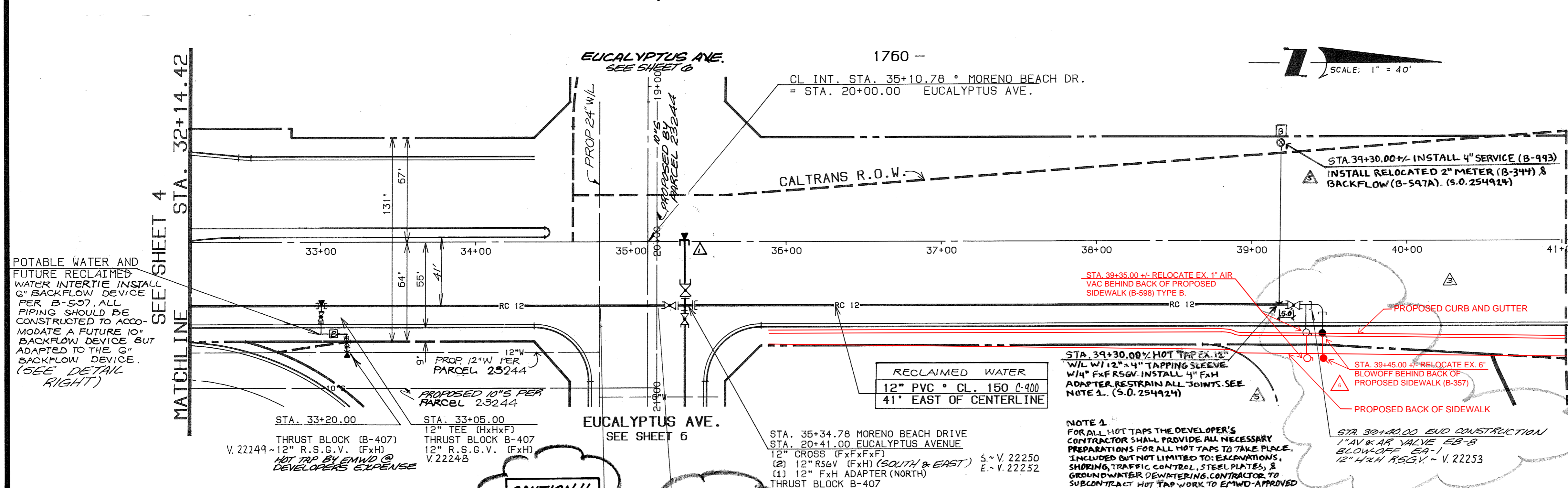
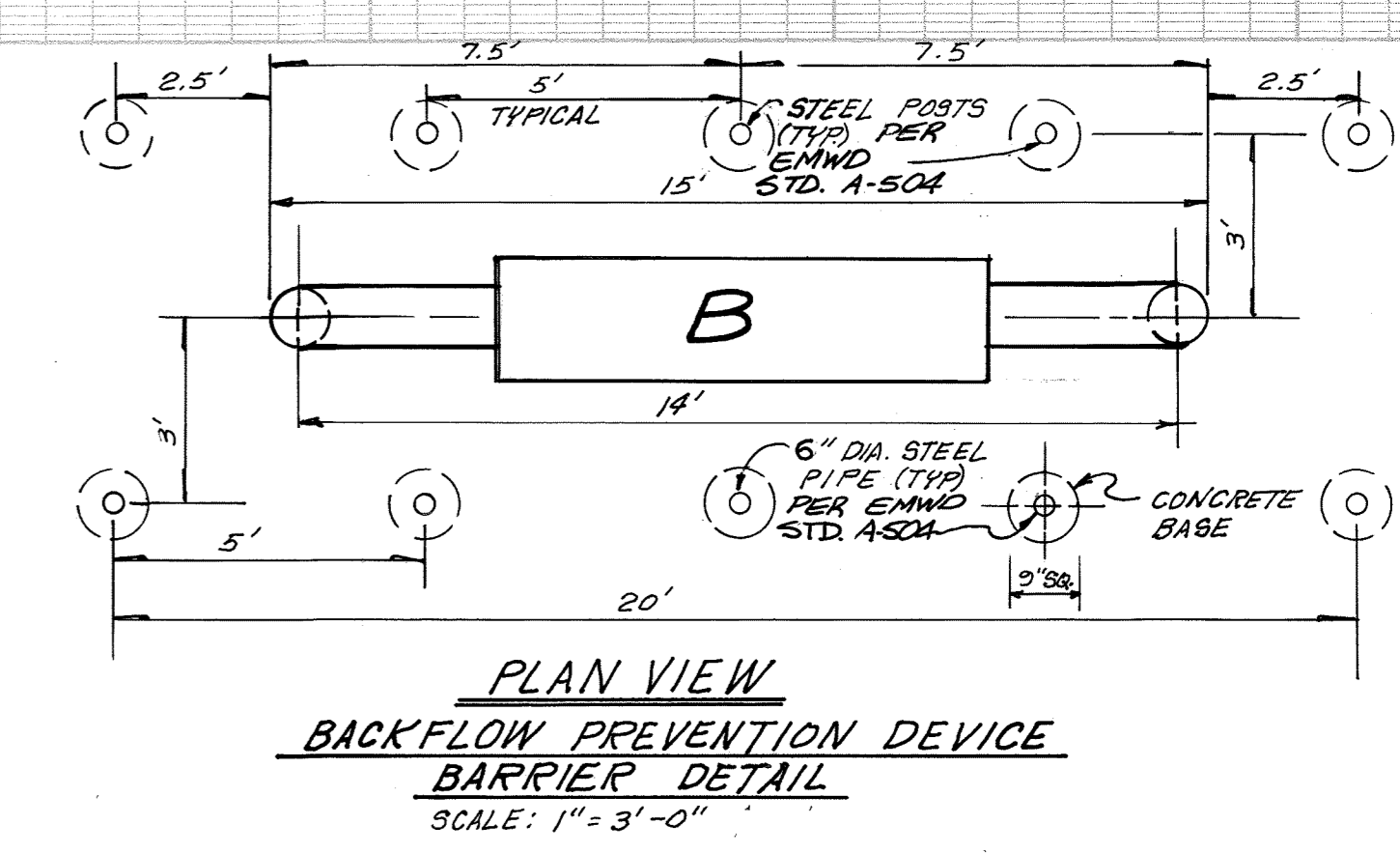
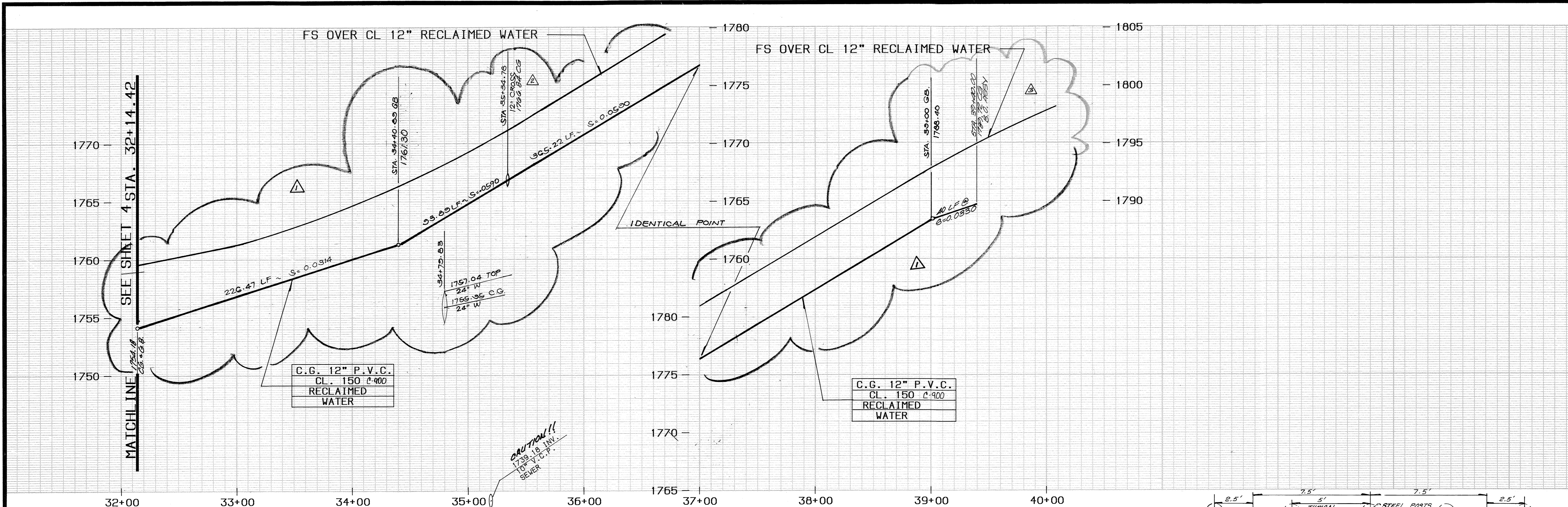
CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE FOR COORDINATION MEETINGS, INSTALLATIONS AND INSPECTIONS. CONTACT THE RESIDENT ENGINEER.

ENGINEER'S NOTICE TO CONTRACTORS
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OF STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURE TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CITY OF MORENO VALLEY APPROVALS				STAMP		ENGINEERS APPROVAL		CITY OF MORENO VALLEY		ACCT. No. 6011-30-80-8005-720134
 JEANNETTE OLKO ELECTRIC UTILITY MANAGER DATE: 8-26-2020						 MICHAEL L. WOLFE, PE PUBLIC WORKS DIRECTOR / CITY ENGINEER R.C.E. #65623 DATE: 9/3/2020		CONDUIT EXTENSION MORENO BEACH DRIVE BRIDGE CROSSING MORENO BEACH DRIVE AND EUCALYPTUS AVENUE		SHEET 4 OF 4
MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR.	DATE	ENGINEER No.:	EXP.	CITY ID No.	805 0056
		E.O.R.	REVISION				E-21642	9/30/20		

DIGALERT
 CALL TOLL FREE 811
 2 WORKING DAYS BEFORE YOU DIG

PLANS ARE APPROVED FOR CONSTRUCTION WHEN SIGNED BY THE PUBLIC WORKS DIRECTOR/CITY ENGINEER



Underground Service Alert

Call: TOLL FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

RECLAIMED WATER APPROVED BY:
EASTERN MUNICIPAL WATER DISTRICT

Joseph D. Van Sickle 8/1/90
DIRECTOR OF ENGINEERING DATE

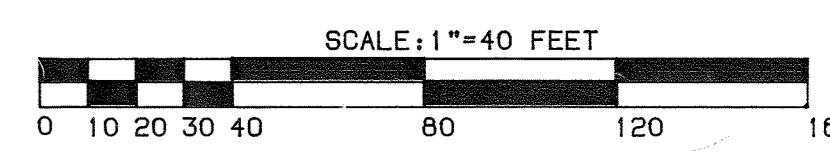
APPROVALS	
INITIAL	DATE
BR	8/8/90
SEWER OPER	
CONSTRUCTION	
DESIGN	VJB 8/10/90

CAUTION!!
STA. 34+79.83
BOT. REC. W=1763.00
TOP 24\"/>

CAUTION!!
STA. 35+16.78
BOT. REC. W=1705.18
TOP 24\"/>

RECLAIMED WATER
12\"/>

NOTE A:
FOR ALL HOT TAPS THE DEVELOPER'S CONTRACTOR SHALL PROVIDE ALL NECESSARY PREPARATIONS FOR ALL HOT TAPS TO TAKE PLACE. INCLUDED BUT NOT LIMITED TO: EXCAVATIONS, SHORING, TRAFFIC CONTROL, STEEL PLATES, & GROUNDWATER DEWATERING. CONTRACTOR TO SUBMIT HOT TAP WORK TO EPMWD-APPROVED CONTRACTOR.



BENCHMARK
U.S.C. & G.S. R-375 11-124 CO. D66N. F.D. BRASS DISK STPD. R-375. TOP CONC. POST 260' N. HENDRICKS ALONG IRONWOOD AVE., 6' HIGHER THAN RD', 1' 8 OF MARKER POST ELEVATION: 1645.26

DATE	BY	MARK	REVISIONS	APPR. DATE	CHECKED BY
10-9-92	KR		AS CONSTRUCTED C.O. 45270 (C.R. 4-6-92)	12/1/92	AG
8-5-20	N.J.D.		ADDED RELOCATED 2\"/>		
8-8-20	N.J.D.		RELOCATE EX. AIR VAC & BLOW OFF (C.O.)		

DATE	BY	MARK	REVISIONS	APPR. DATE	CHECKED BY

RECOMMENDED FOR APPROVAL

SEAL CITY

APPROVED BY
John K. Feenstra
JOHN K. FEENSTRA, DEPUTY CITY ENGINEER
R.C.E. NO. 13670 EXP. DATE 3-31-93

APPROVED BY
Lawrence J. Diel
LAWRENCE J. DIEL
R.C.E. NO. 43887 EXP. DATE 6-30-93

THE KEITH COMPANIES
Inland Empire

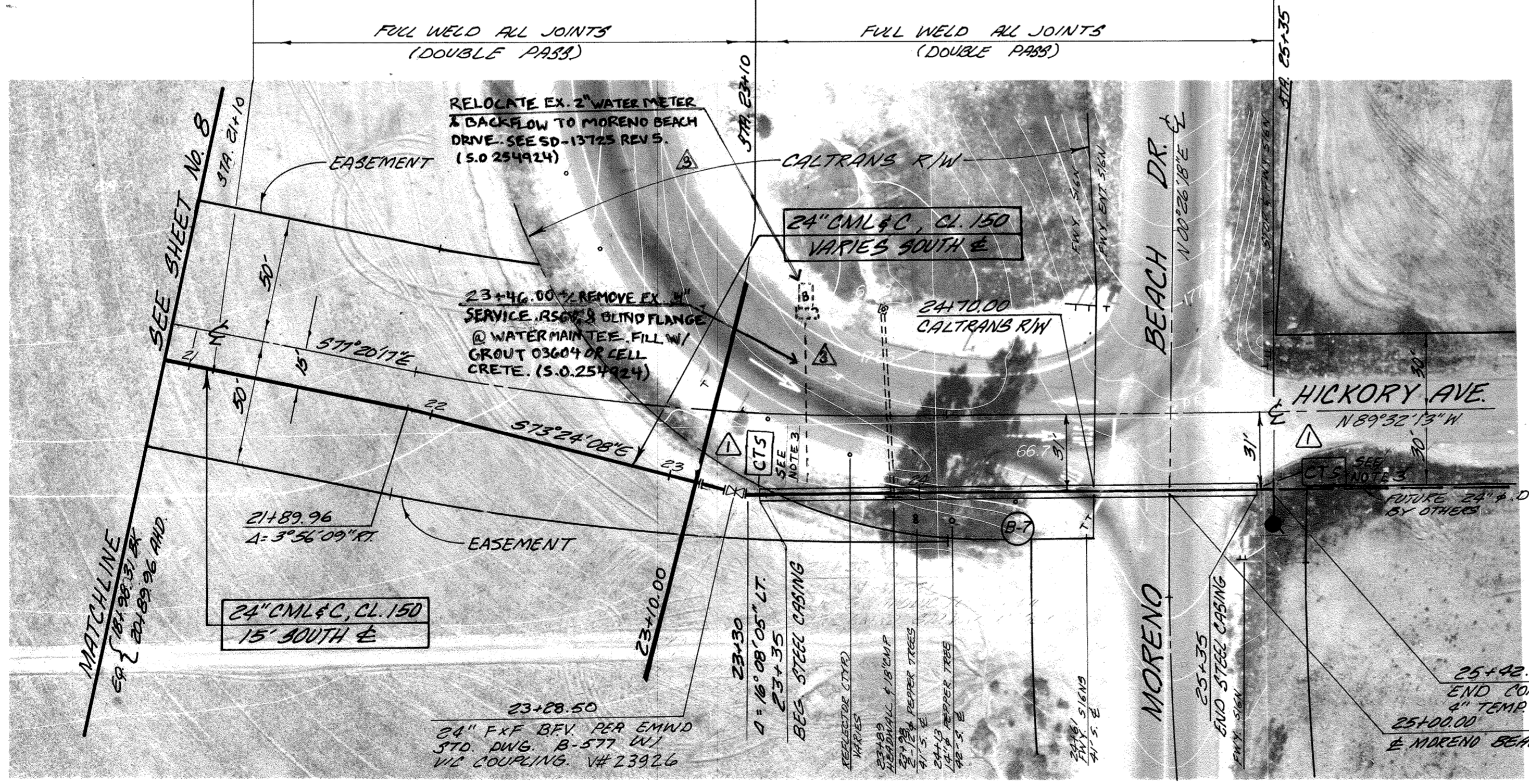
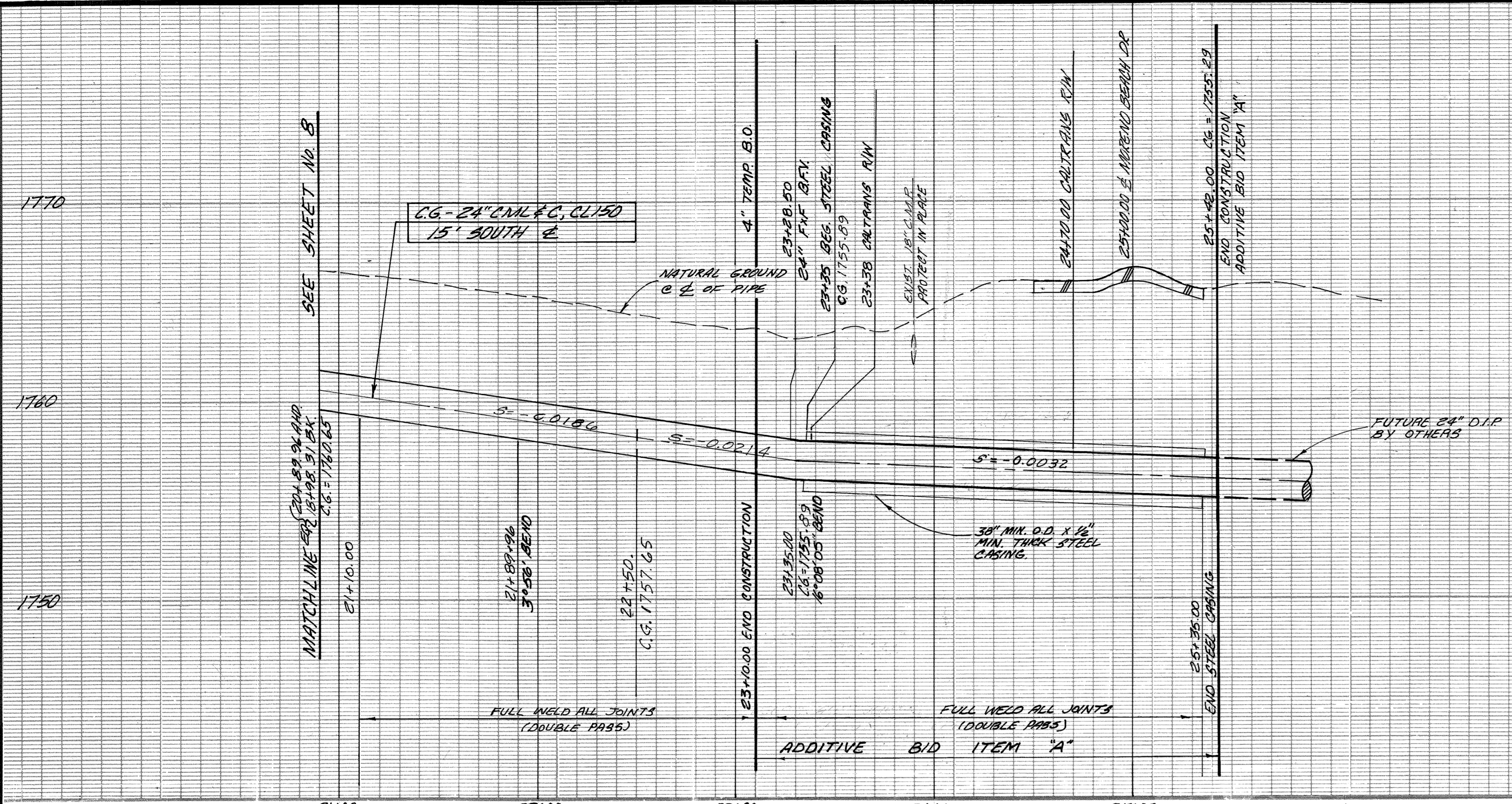
6296 RIVERCREST DRIVE
SUITE K
RIVERSIDE, CALIFORNIA 92507
(714) 653-0234

CITY OF MORENO VALLEY
PARCEL MAP 23244

RECLAIMED WATER
PLAN AND PROFILE

MORENO BEACH DRIVE
FOR LANDMARK LAND CO. W.O.

SERV. AREA 32
W.O. 01-201
C.O. 45270
COORD. 02
SHT. 5 OF 7
D-
SD-13725



BORE CASING CONSTRUCTION TOLERANCES

STATION	MIN. C.G.	MAX. C.G.
23+35.00	1756.80	1757.10
25+35.00	1755.75	1756.75

HORIZONTAL ALIGNMENT SHALL BE CONSTRUCTED WITHIN 2" ±

- NOTES:
- IF ADDITIVE BID ITEM "A" IS INCLUDED IN THE OLIVER STREET CONTRACT, THE MANDATORY BENEVOLENT AT STA. 23+10.00 SHALL BE MOVED TO STA. 25+13.00 AND THE FLANGED JOINT AT STA. 23+10.00 SHALL NOT BE USED. JOINTS SHALL BE WELDED THROUGH STA. 23+10.00.
 - THE FUTURE CONNECTION BETWEEN CML&C STEEL PIPE AND THE DUCTILE IRON PIPE INSTALLED IN THE ADJACENT AUTO MALL PROJECT REQUIRES A 3" WIRE INSULATED PIPE CONNECTION 150' PER END AND DUES \$ 363 & \$ 379 IF METALLIC PIPE IS NOT USED ON THE OLIVER STREET PROJECT, THIS ITC WILL NOT BE REQUIRED.
 - THE CATHODIC TEST STATION'S 4 WIRES AT THE ENDS OF STEEL CASINGS SHALL HAVE THE WHITE AND YELLOW WIRES ATTACHED TO THE PIPE AND BLACK AND GREEN ATTACHED TO THE CASING.

EUCALYPTUS AVENUE



GFB-FRIEDRICH & ASSOC., INC.
CONSULTANT TO PUBLIC AGENCIES
6809 INDIANA AVENUE - SUITE 201
RIVERSIDE, CALIFORNIA 92506
(714) 781-9811

APPROVED:
John A. Friedrich 8-11-89
JOHN A. FRIEDRICH, R.C.E. 27861 DATE

SCALE: HORIZ. 1"=40'
VERT. 1"=4'-0"

DESIGNED: B.C.
DRAWN: S.M.
CHECKED: JAF
SUBMITTED: [blank]
DATE: MAY 1989

WATER / SEWER APPROVED BY:
EASTERN MUNICIPAL WATER DISTRICT

Robert Lane 4/24/89
DIRECTOR OF ENGINEERING DATE

APPROVALS

PROJ. ENGR.	DATE	SEWER OPER.	DATE
[initials]	8/11/89	[initials]	[blank]
PLANNING	7/10/89	CONSTRUCTION	7/10/89
WATER OPER.	7/10/89	DESIGN	8/11/89

CITY OF MORENO VALLEY
APPROVED BY:

John K. Feenstra
JOHN K. FEENSTRA, R.C.E. 13870
DEP. CITY ENGINEER, CITY OF MORENO VALLEY

DATE: 8/24/89
EXP. 3-31-93

REFERENCES

NO.	DATE	INITIAL	DESCRIPTION	APPR'D.
1	3/21/80	MMG	ADDED CTS AT EACH END OF CASING AND NOTE B	[initials]
2	9/8/89	B.L.L.	AS CONSTRUCTED C.O. 41040 (6'-8-90 C.R.)	[initials]
3	9/5/80	N.S.D.	REMOVE EX. SRV & RELOCATE EX. MTR. & BX (S.O. 254924) AGA B/L 1/2020	[initials]

REVISIONS

NO.	DATE	INITIAL	DESCRIPTION	APPR'D.
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IMPROVEMENT DISTRICT NO. 3

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

SERV. AREA 41
W.O. 89-340
C.O. 41040
COORD. I-6
SHT. 9 of 12
D-11507
SD-

OLIVER STREET TRANSMISSION MAIN
EUCALYPTUS AVENUE
FROM STA. 20+89.96
TO STA. 25+13.00

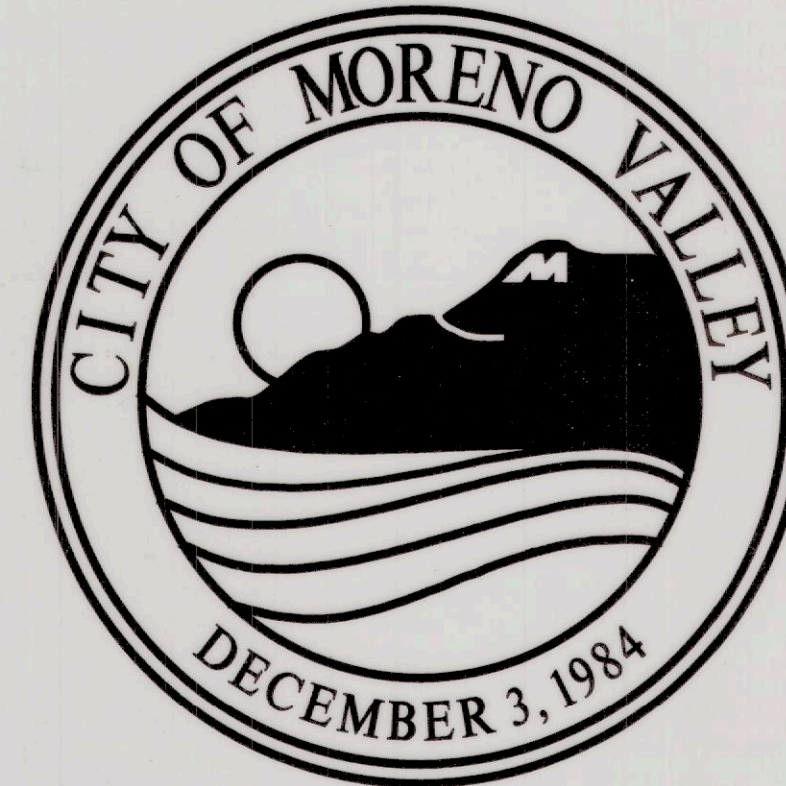
IRONWOOD AVENUE STORM DRAIN MORENO MDP LINE K-1

FROM 600' WEST OF MORENO BEACH DRIVE TO 800' EAST OF MORENO BEACH DRIVE

PROJECT NO. 801 0021 70 77

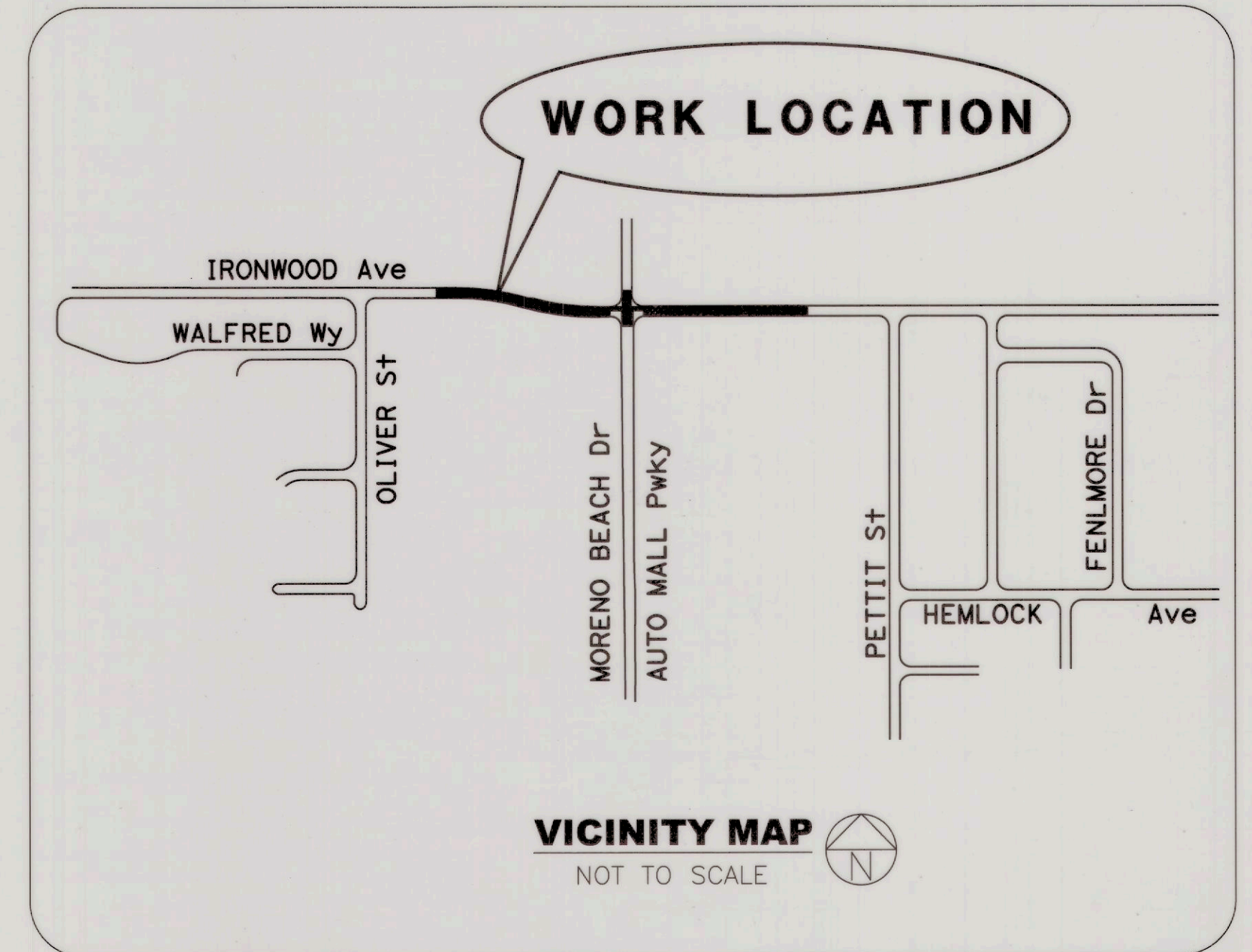
GENERAL STREET IMPROVEMENT NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS IN EFFECT AT THE TIME OF BID, THE CITY OF MORENO VALLEY "STANDARD PLANS," AND OTHER AGENCIES' APPLICABLE "STANDARD PLANS" AS NOTED ON THE PLANS AND IN THE SPECIAL PROVISIONS.
- ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS IN EFFECT AT THE TIME OF BID, SECTION 86 "SIGNALS AND LIGHTING" OF CALTRANS STANDARD SPECIFICATIONS, CALTRANS STANDARD PLANS, AND THE SPECIAL PROVISIONS.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CA MUTCD PART 6 "TEMPORARY TRAFFIC CONTROL."
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A CITY OF MORENO VALLEY BUSINESS LICENSE AND ENCROACHMENT PERMIT.
- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, PROVIDE ALERT NUMBER TO CITY ENGINEER AND ALL NECESSARY UTILITY COMPANIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FILE AN APPLICATION FOR A FIRE HYDRANT METER WITH THE APPROPRIATE WATER AGENCY.
- REQUEST FOR INSPECTION TO THE CITY OF MORENO VALLEY SHALL BE MADE BY THE CONTRACTOR AT LEAST TWENTY-FOUR (24) HOURS BEFORE THE SERVICES THEREOF WILL BE REQUIRED AT (951) 413-3130.
- WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT RESIDENTS, BUSINESSES, AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WILL BE A VIOLATION OF THE CONTRACT. CONTRACTOR SHALL PROVIDE ACCESS TO RESIDENCES AND BUSINESSES AT ALL TIMES.
- NO PUBLIC TRAVELED STREET SHALL BE CLOSED TO TRAFFIC WITHOUT PRIOR CITY COUNCIL APPROVAL.
- PROVISIONS SHALL BE MADE BY THE CONTRACTOR AT ALL TIMES FOR CONTRIBUTORY DRAINAGE.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, THESE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY FACILITIES SHOWN AND OTHER FACILITIES NOT ON RECORD OR NOT SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES (POT HOLES) AND DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE IN THE VICINITY OF OR THAT MAY BE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO ANY CONSTRUCTION WORK WHICH COULD DAMAGE OR CONFLICT WITH SAID STRUCTURES OR UTILITIES.
- THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING TRAFFIC SIGNAL CONDUIT WITHIN 6" ABOVE PROPOSED SUB GRADE SURFACE AND ALL CONDUIT BELOW PROPOSED SUBGRADE SURFACE. ALL EXISTING CONDUIT THAT IS MORE THAN 6" ABOVE THE PROPOSED SUBGRADE SURFACE SHALL BE RELOCATED TO WITHIN 6" BELOW PROPOSED SUBGRADE SURFACE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THE IMPROVEMENTS CONFLICT WITH EXISTING FACILITIES, AND WORK IN THE CONFLICTING LOCATION SHALL STOP.
- ANY ALTERATIONS OR VARIANCES FROM THE PLANS, EXCEPT MINOR ADJUSTMENTS IN THE FIELD TO MEET EXISTING CONDITIONS, SHALL BE REQUESTED IN WRITING AND MAY NOT BE INSTITUTED UNTIL APPROVED BY THE CITY ENGINEER OR REPRESENTATIVES ACTING SPECIFICALLY ON THE CITY ENGINEERS INSTRUCTIONS.
- INSPECTION BY THE CITY INSPECTOR SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATIONS TO COMPLETELY AND DILIGENTLY PERFORM ALL WORK IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED BY LOCAL BENCH MARKS. SURVEY MONUMENTS SHALL BE PROTECTED IN PLACE.
- ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE SHALL BE SAWCUT UNLESS OTHERWISE SPECIFIED.
- NO TRENCHES EXCEPT CURB AND GUTTER, SHALL BE LEFT OPEN OVERNIGHT UNLESS APPROVED BY THE CITY ENGINEER IN WRITING.
- ALL UTILITIES SHALL BE INSTALLED, INSPECTED, TESTED AND APPROVED BY THE APPROPRIATE UTILITY COMPANY PRIOR TO PAVING. PROOF OF SUCH INSPECTION/APPROVAL SHALL BE SUPPLIED TO THE CITY INSPECTOR OR REPRESENTATIVE.
- IRRIGATION LINES WITHIN ANY CITY STREET SHALL HAVE A 30" MINIMUM COVER FROM FINISH SURFACE, UNLESS SAID IRRIGATION LINE HAS BEEN APPROVED BY THE CITY ENGINEER IN WRITING TO BE ENCASED IN CONCRETE OR BEDDED IN A SPECIAL CONCRETE CRADLE.
- THE CONTRACTOR SHALL COMPACT THE UPPER SIX INCHES OF SUBGRADE/AGGREGATE BASE TO A MINIMUM RELATIVE DENSITY OF 90/95 PERCENT RESPECTIVELY PER ASTM 1556-82 TESTING METHOD, OR AS DIRECTED BY THE ENGINEER.
- SUBGRADE MATERIALS PLACED FOR CURBS, GUTTERS, AND DRIVEWAY APPROACHES SHALL BE TO A RELATIVE COMPACTION OF 95 PERCENT; 90 PERCENT FOR SIDEWALKS.
- ALL PORTLAND CEMENT CONCRETE (PCC) REMOVALS, INCLUDING, BUT NOT LIMITED TO CROSS GUTTERS, CURBS, DRIVEWAY APPROACHES, SIDEWALKS AND SPANDRELS SHALL BE MADE BY REMOVING AND REPLACING THE ENTIRE SECTION BETWEEN JOINTS. IF ANY UTILITY CUTS ARE MADE IN PCC IMPROVEMENTS, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED.
- CONCRETE SIDEWALKS, CURBS AND GUTTERS, OR OTHER CONCRETE STRUCTURES WHICH WILL NOT BE SUBJECTED TO VEHICULAR TRAFFIC, SHALL BE BARRICADED FOR A PERIOD OF AT LEAST SEVEN (7) DAYS FOLLOWING PLACEMENT OF THE SAID CONCRETE STRUCTURE. FOR DRIVEWAYS, CROSS GUTTERS, SPANDRELS OR OTHER STRUCTURES WHICH WILL BE SUBJECTED TO VEHICULAR TRAFFIC, THE CONTRACTOR SHALL USE CONCRETE CONTAINING EIGHT SACKS OF CEMENT AND ADDITIVES THAT PROVIDE HIGH EARLY STRENGTH IN ORDER TO UTILIZE EARLIER USE OF CONSTRUCTED FACILITIES, AS EARLY AS 24-HOUR AFTER PLACING OF CONCRETE. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE CITY ENGINEER FOR TRAFFIC USE TO BE PERMITTED THEREON TWENTY-FOUR HOURS AFTER THE PLACING OF CONCRETE.
- ALL TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE IN PLACE AND APPROVED BY THE CITY PRIOR TO PAVING. DELINEATION SHALL BE COMPLETED PRIOR TO STREET OPEN.
- THE CONTRACTOR SHALL NOT PLACE ASPHALT CONCRETE PAVING UNTIL SUBGRADE OR AGGREGATE BASE HAS BEEN INSPECTED AND APPROVED BY THE CITY AND SHALL INCLUDE A COPY OF THE CERTIFICATION OF BASE/COMPACTION BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL PLACE THE FINISH (CAP) COURSE PAVING AFTER ALL BASE COURSE PAVING HAS BEEN COMPLETED AND ACCEPTED. TACK COAT SHALL BE PLACED BETWEEN ALL COURSES OF PAVING.
- THE CONTRACTOR SHALL ADJUST WATER VALVE COVERS TO FINISH GRADE DURING PAVING, LOOSEN AFTER PAVING, AND PAINT BLUE.
- BLUE DOTS SHALL BE INSTALLED TO INDICATE THE LOCATION OF FIRE HYDRANTS.
- ALL TREE BRANCHES OVER-HANGING THE SIDEWALK SHALL BE TRIMMED CLEAR TO A MINIMUM HEIGHT OF 10 FEET ABOVE FINISHED SURFACE/GROUND SURFACE AND BRANCHES OVER-HANGING THE ROADWAY SHALL BE TRIMMED CLEAR TO A MINIMUM HEIGHT OF 18 FEET.
- ALL IRRIGATION SHALL BE RELOCATED BEHIND IMPROVEMENTS AND REPLACED WITH THE SAME STANDARD OF MATERIALS OR HIGHER. ALL LANDSCAPING SHALL COMPLY WITH THE CONTRACT DOCUMENTS.
- ALL PAVEMENT REPAIR SURFACE COURSE SHALL BE PG64-14 ASPHALT RUBBER HOT MIX (ARHM-GG-C), OR AS APPROVED BY THE CITY ENGINEER. SEE STANDARDS No MVS1-132, A THROUGH F. ARHM SHALL CONFORM TO SECTION 203-11 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.



PLAN INDEX

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STORM DRAIN PLAN	4 OF 8	5 OF 18
STORM DRAIN PLAN	5 OF 8	6 OF 18
STORM DRAIN PLAN	6 OF 8	7 OF 18
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UTILITY COMPANIES

BOX SPRINGS MUTUAL WATER COMPANY	(951) 653-6419
CHARTER SPECTRUM	(877) 906-9121
CROWN CASTLE	(855) 913-4237
EASTERN MUNICIPAL WATER DISTRICT	(951) 928-3777
EDGEMONT COMMUNITY SERVICES DISTRICT	(951) 784-2632
FRONTIER COMMUNICATION	(800) 921-8101
MORENO VALLEY SPECIAL DISTRICTS	(951) 413-3480
MORENO VALLEY UTILITY	(951) 413-3500
RIVERSIDE TRANSIT AGENCY	(951) 565-5000
SOUTHERN CA EDISON	(800) 655-4555
SOUTHERN CA GAS COMPANY	(800) 427-2200
TRAFFIC SIGNAL MAINTENANCE (CITY)	(951) 413-3140
UNDERGROUND SERVICE ALERT	(800) 422-4133
VERIZON WIRELESS	(800) 922-0204

DECLARATION OF DESIGN ENGINEER OF RECORD

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY THE CITY OF MORENO VALLEY IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THAT THE PLANS COMPLY WITH CITY PROCEDURES, APPLICABLE POLICIES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS. AS ENGINEER OF RECORD (EOR), I AGREE TO INDEMNIFY AND HOLD THE CITY OF MORENO VALLEY, THE MORENO VALLEY HOUSING AUTHORITY, AND THE MORENO VALLEY COMMUNITY SERVICES DISTRICT (CSD), ITS OFFICERS, AGENTS AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY OF CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF THE ENGINEER OF RECORD.

I ALSO HEREBY DECLARE THAT I HAVE COMPARED THESE PLANS WITH ALL APPLICABLE ADA AND TITLE 24 REQUIREMENTS FOR DISABILITY ACCESS FOR THIS PUBLIC WORKS PROJECT, AND THESE PLANS ARE IN FULL COMPLIANCE WITH THOSE REQUIREMENTS.

Kevin Michalski

KEVIN MICHALSKI, P.E.

R.C.E. 67282

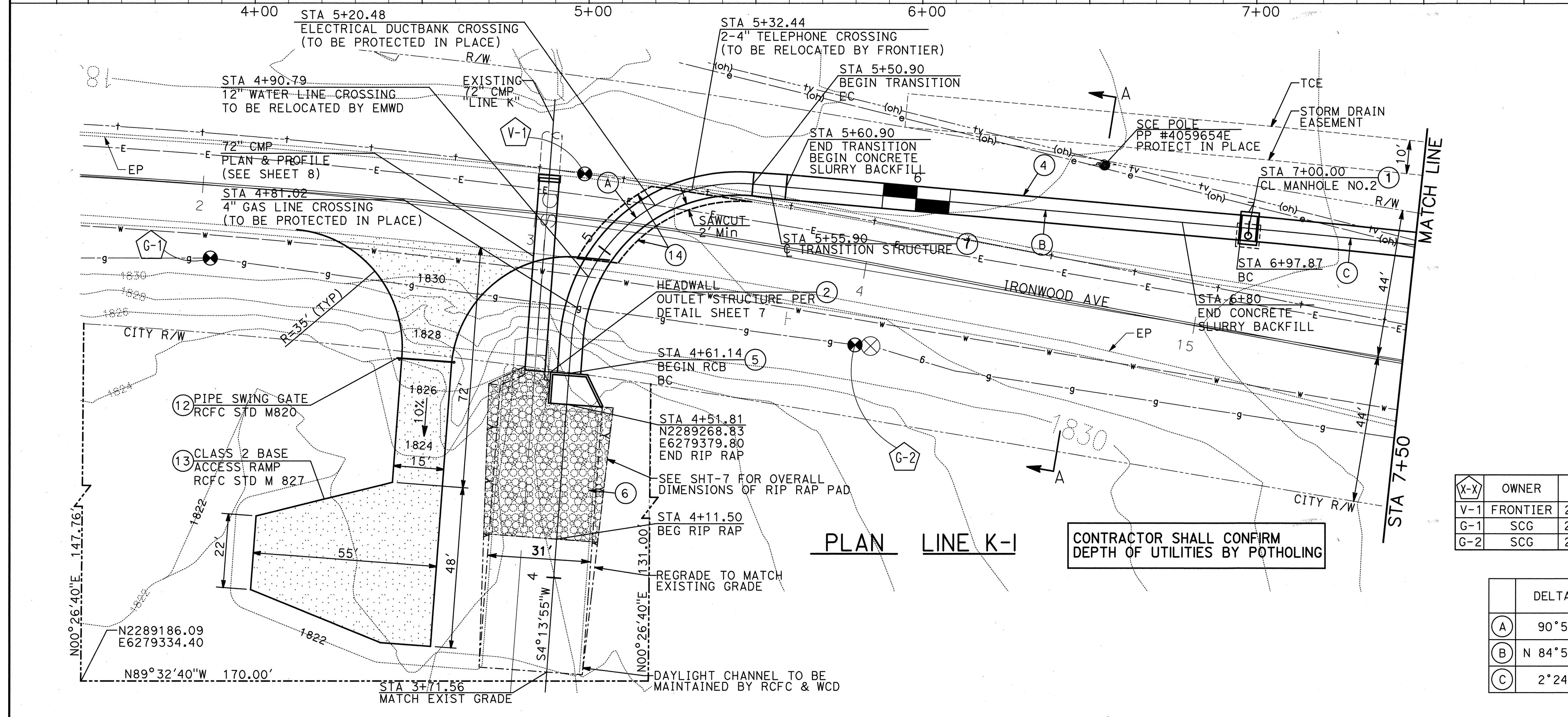
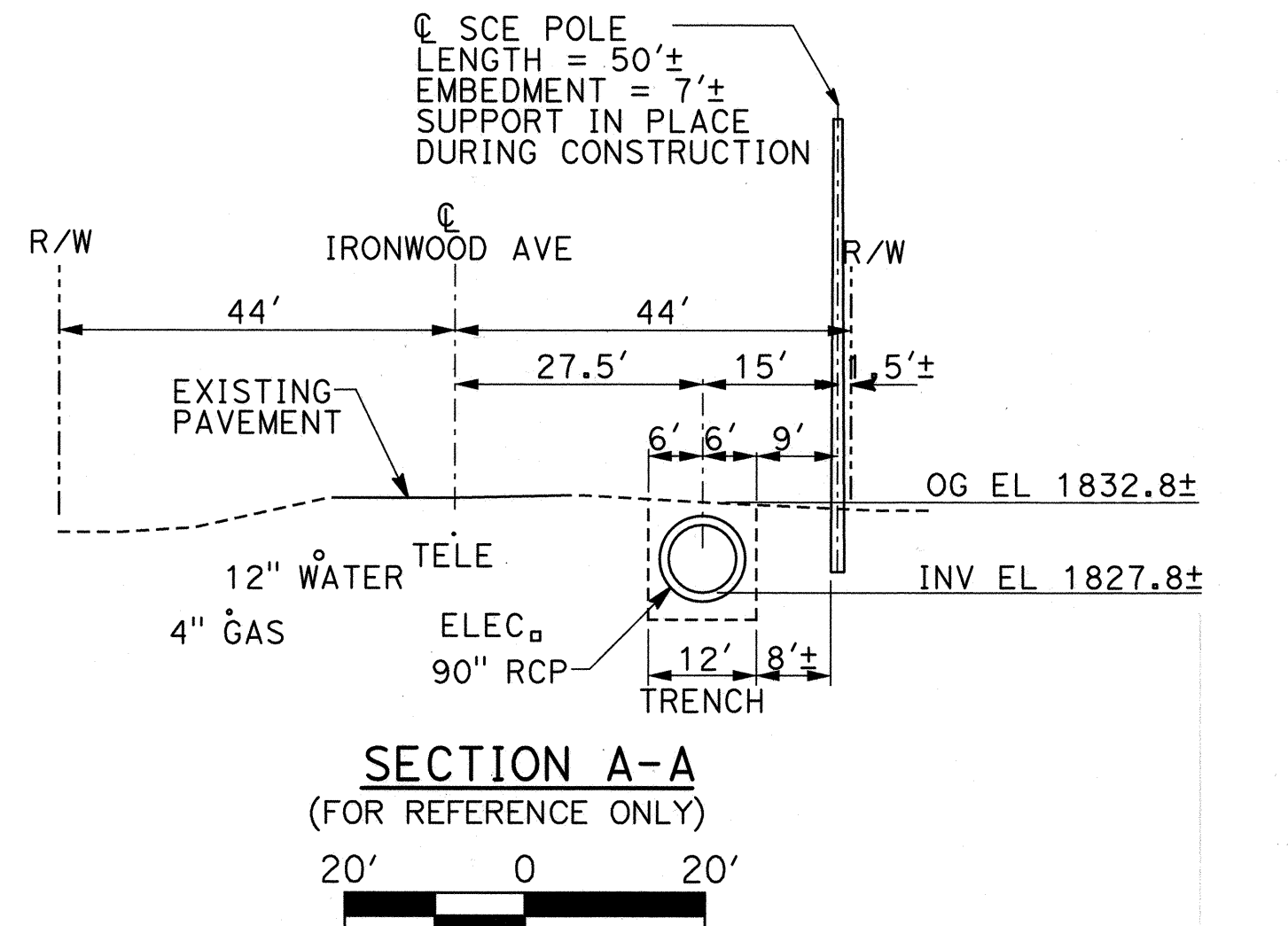
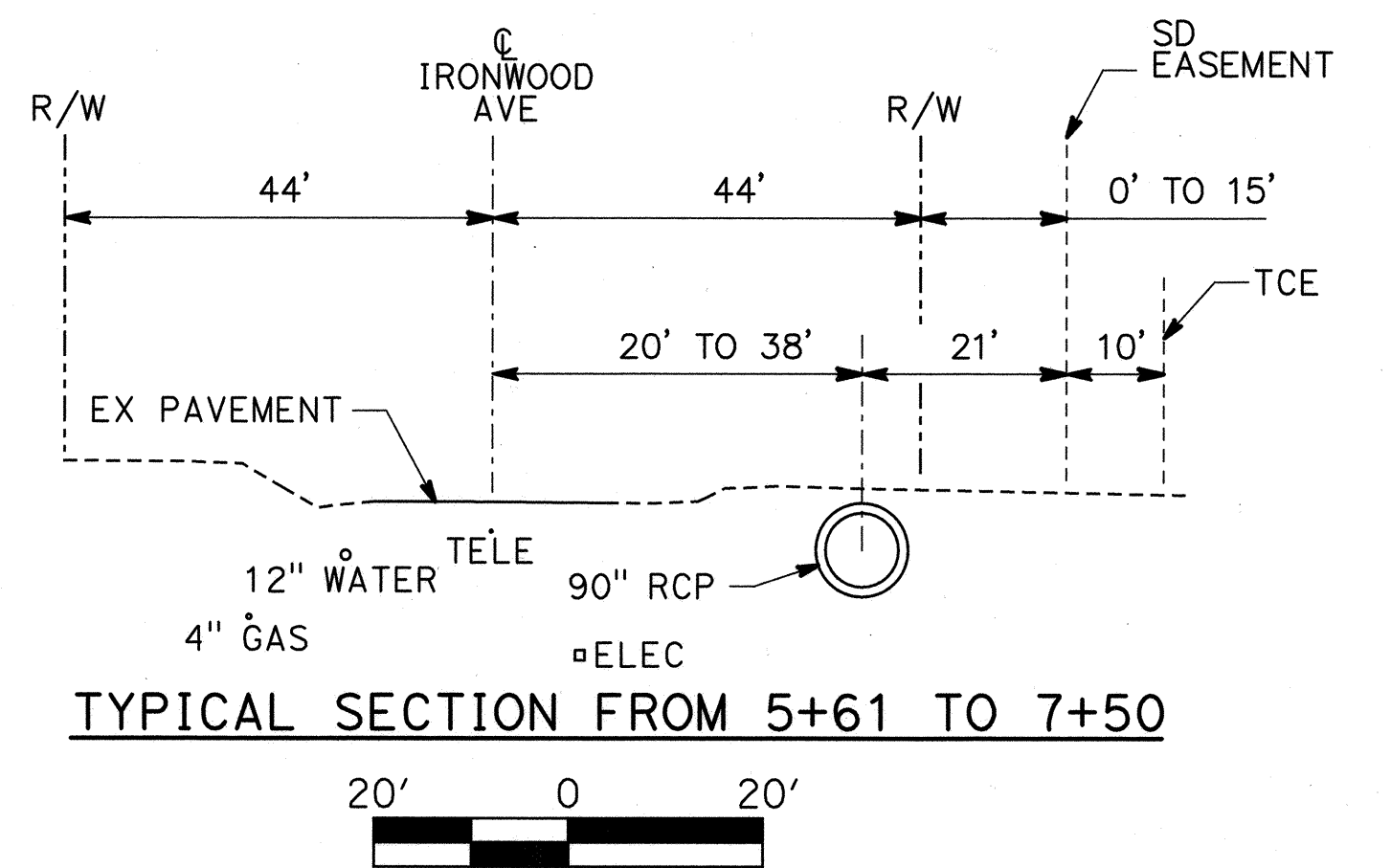
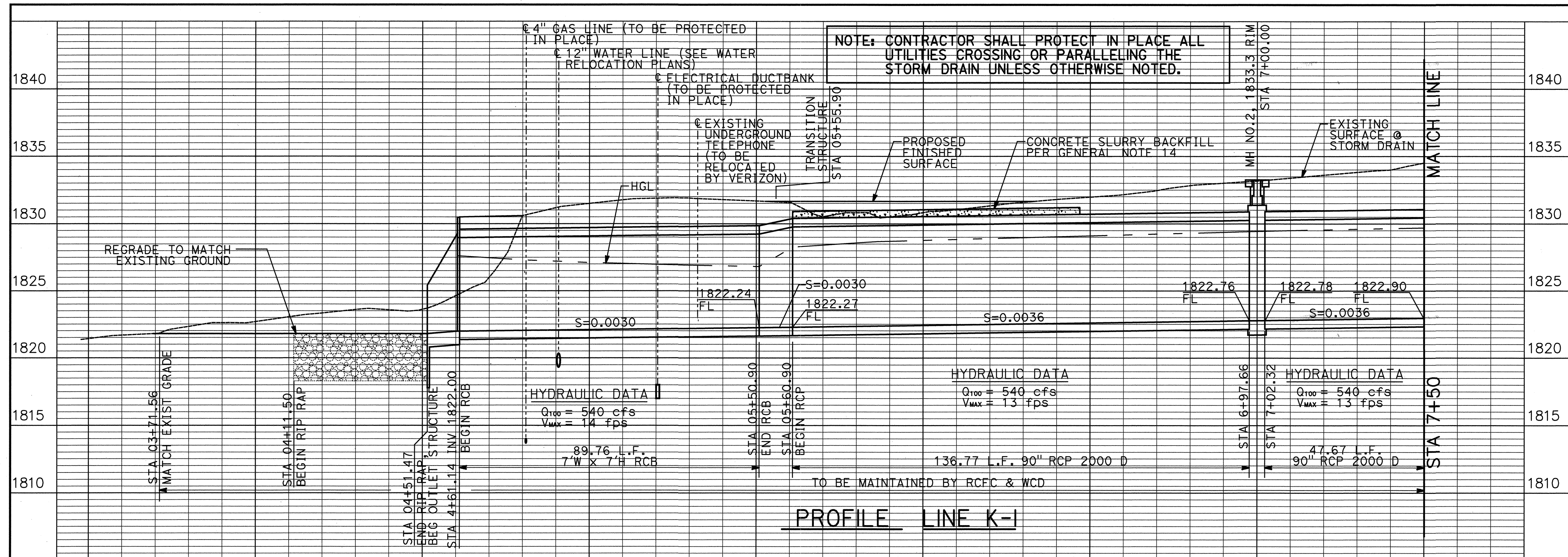
12/16/20
DATE

DIGALERT



CALL TOLL FREE
1-800-227-2600
2 Working Days Before You Dig

BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	BENCH MARK: B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19J2, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)	<table border="1"> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> </tr> <tr> <td>▲</td> <td>REVISED SHT 17 REVISED SHT 18</td> <td></td> <td></td> </tr> </table>	MARK	REVISIONS	APPR	DATE	▲	REVISED SHT 17 REVISED SHT 18			CITY OF MORENO VALLEY APPROVALS		<table border="1"> <tr> <th>APPROVED BY</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>CITY TRAFFIC ENGINEER</td> <td>JAC</td> <td>1/20/21</td> </tr> <tr> <td>MAINTENANCE AND OPERATIONS MANAGER</td> <td></td> <td></td> </tr> <tr> <td>TRAFFIC OPERATIONS SUPERVISOR</td> <td></td> <td></td> </tr> <tr> <td>SENIOR ENGINEER</td> <td>1/7/21</td> <td>MAL</td> </tr> </table>	APPROVED BY	DATE	BY	CITY TRAFFIC ENGINEER	JAC	1/20/21	MAINTENANCE AND OPERATIONS MANAGER			TRAFFIC OPERATIONS SUPERVISOR			SENIOR ENGINEER	1/7/21	MAL	<table border="1"> <tr> <th>RECOMMENDED:</th> <th>DATE</th> </tr> <tr> <td><i>Henry G. Ngo</i></td> <td>1/20/21</td> </tr> <tr> <td>HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590</td> <td></td> </tr> <tr> <th>APPROVED:</th> <th>DATE</th> </tr> <tr> <td><i>M.L. Wolfe</i></td> <td>1/21/21</td> </tr> <tr> <td>MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623</td> <td></td> </tr> </table>	RECOMMENDED:	DATE	<i>Henry G. Ngo</i>	1/20/21	HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590		APPROVED:	DATE	<i>M.L. Wolfe</i>	1/21/21	MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623		<table border="1"> <tr> <th>PREPARED UNDER SUPERVISION OF</th> <th>ENGINEER OF RECORD'S SEAL</th> </tr> <tr> <td><i>Kevin Michalski</i></td> <td> </td> </tr> <tr> <td>KEVIN MICHALSKI, P.E. R.C.E. 67282</td> <td></td> </tr> </table>	PREPARED UNDER SUPERVISION OF	ENGINEER OF RECORD'S SEAL	<i>Kevin Michalski</i>		KEVIN MICHALSKI, P.E. R.C.E. 67282		TITLE SHEET	ACC. No.
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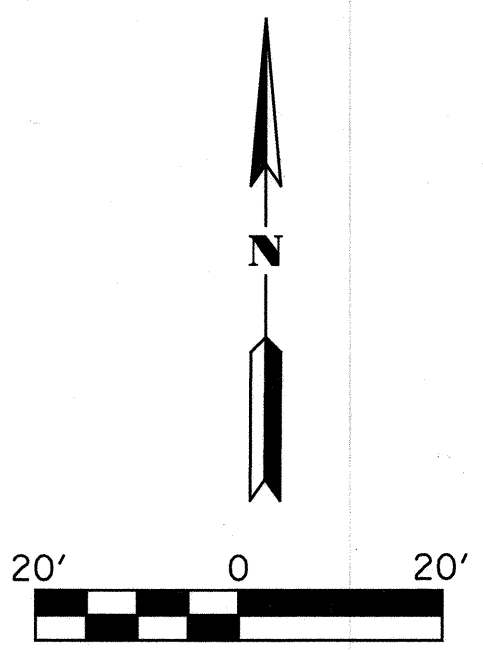
CONSTRUCTION NOTES

- 1 CONSTRUCT MANHOLE PER RCFC AND WCD STD MH252.
- 2 CONSTRUCT HEADWALL PER PLAN.
- 4 INSTALL 90" RCP (DLOAD PER PROFILE)
- 5 CONSTRUCT 7'x7'H RCB PER CALTRANS STD D80
- 6 INSTALL 1/2 TON RIP RAP OVER MIRAFI700K FILTER BLANKET PER DETAIL SHEET 7
- 7 CONSTRUCT TRANSITION STRUCTURE PER RCFC AND WCD STD TS301
- 12 PROVIDE AND INSTALL PIPE SWING GATE PER RCFC AND WCD STD M820.
- 13 CONSTRUCT 6" CLASS 2 AGGREGATE BASE OVER 95% COMPACTED SUBGRADE
- 14 CONSTRUCT 4" AC OVER 6" CLASS 2 AB OR EQUAL PER CITY OF MORENO VALLEY STD PLAN NO. MVS1-132B-0

POTHOLING INFORMATION

(X-X)	OWNER	NORTHING	EASTING	UTILITY ELEVATION	REMARKS
V-1	FRONTIER	2289337.717	6279385.120	1823.09	2 - 4" conduits
G-1	SCG	2289312.523	6279272.991	1826.47	4" PE gas
G-2	SCG	2289286.708	6279466.139	1827.17	4" PE gas

	DELTA/BRG	RADIUS	LENGTH
(A)	90° 51' 12"	50'	79.28'
(B)	N 84° 54' 55" W	-	146.97'
(C)	2° 24' 09"	3000'	151.98'



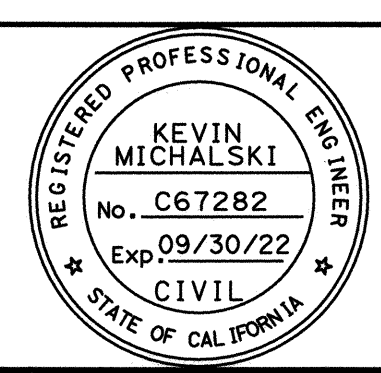
REF.	DESCRIPTION	APPR.	DATE

REVISIONS

BASIS OF BEARING:
REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.

PERMANENT BENCH MARK:
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N2289653.999 E6280061.292
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"CALIF DEPT HWYS RIV 60-1912,
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EAST SIDE MORENO BEACH
BRIDGE FLUSH
1805.36 EL. (INGVD-29)

PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CALIFORNIA 92612
DESIGNED BY: M. GALVAN
DRAWN BY: O. SANDOVAL
DATE DRAWN: 09/08/2020
CHECKED BY: K. MICHALSKI



CITY OF MORENO VALLEY APPROVALS

APPROVED BY: [Signature] DATE: 1/20/21
CITY TRAFFIC ENGINEER

RECOMMENDED: [Signature] DATE: 1/20/21
HENRY G. NGO, P.E.
PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER
R.C.E. 58590

APPROVED: [Signature] DATE: 1/24/21
MICHAEL L. WOLFE, P.E.
PUBLIC WORKS DIRECTOR/CITY ENGINEER
R.C.E. 65622

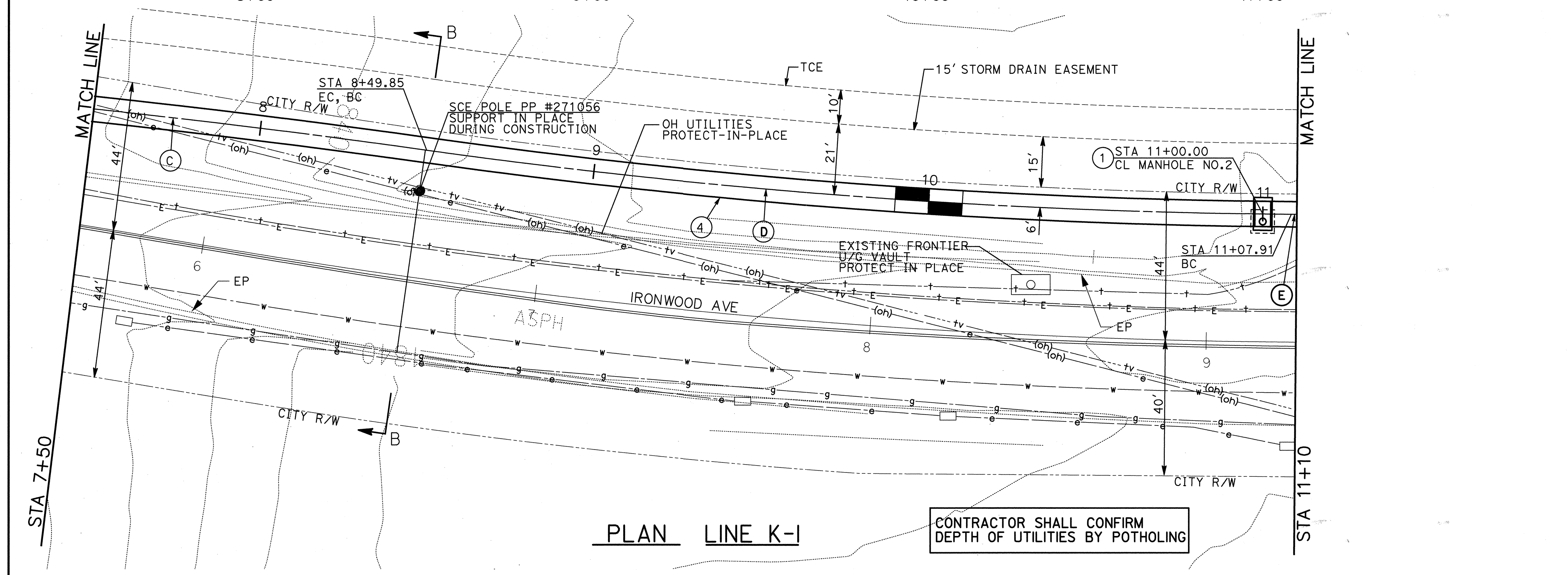
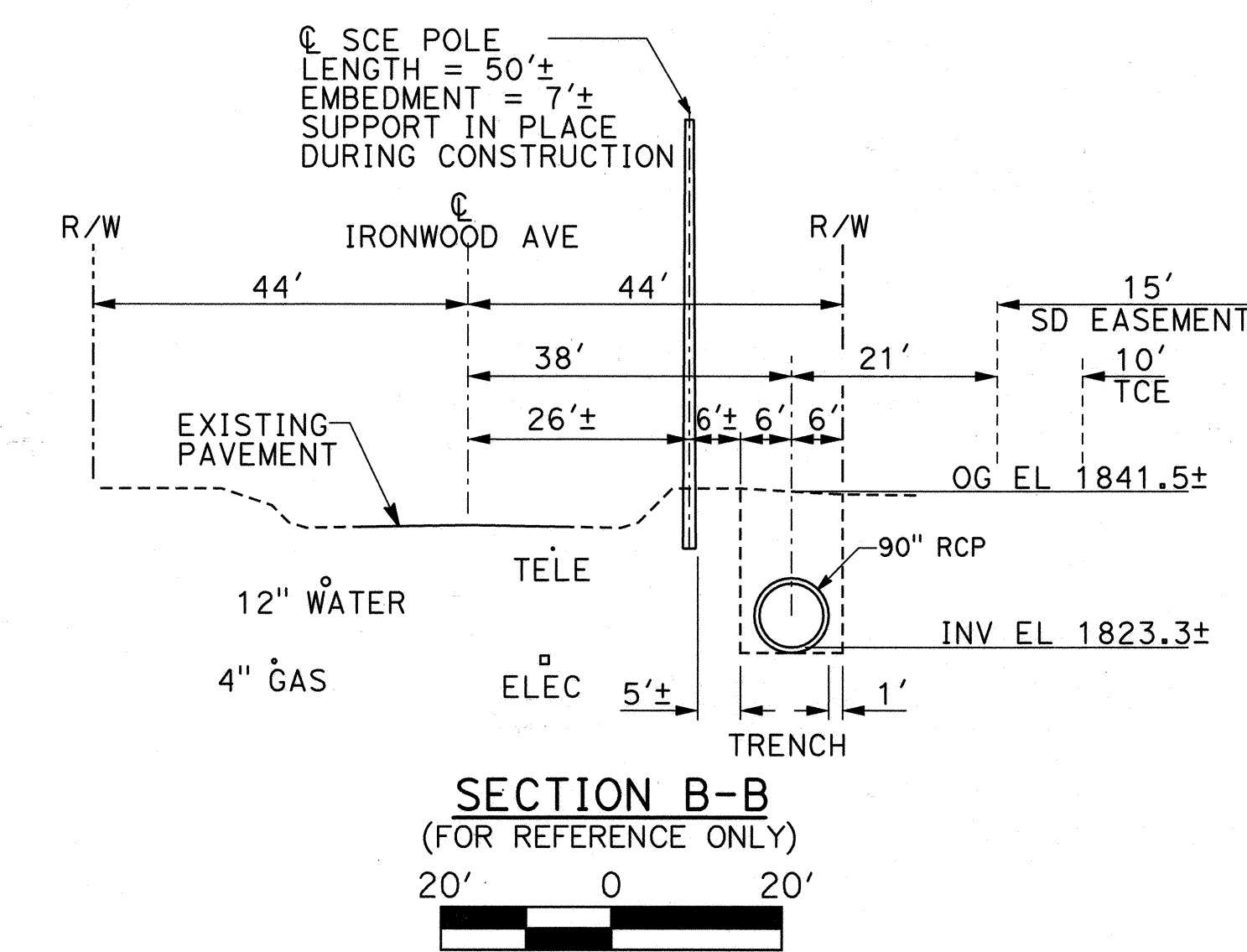
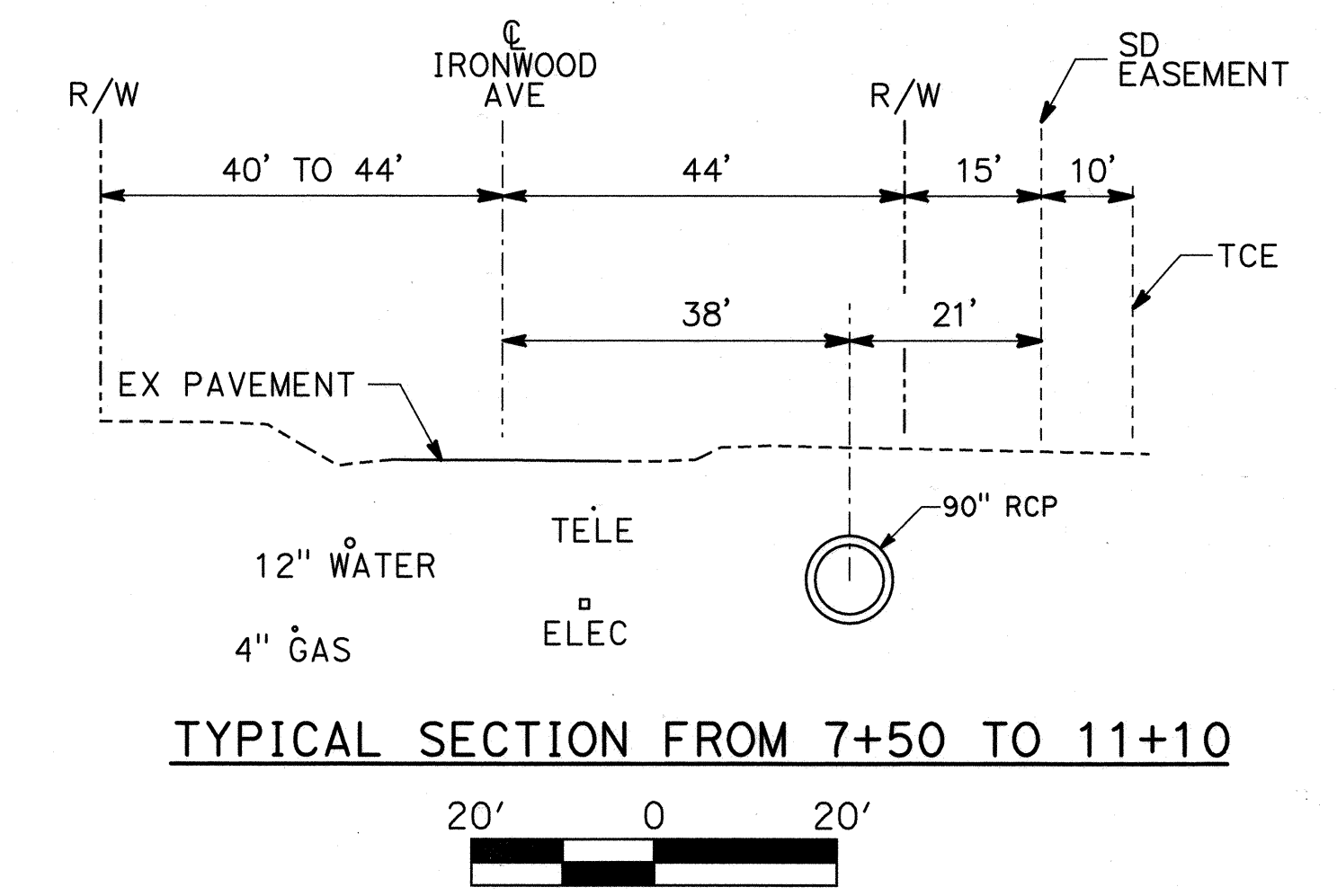
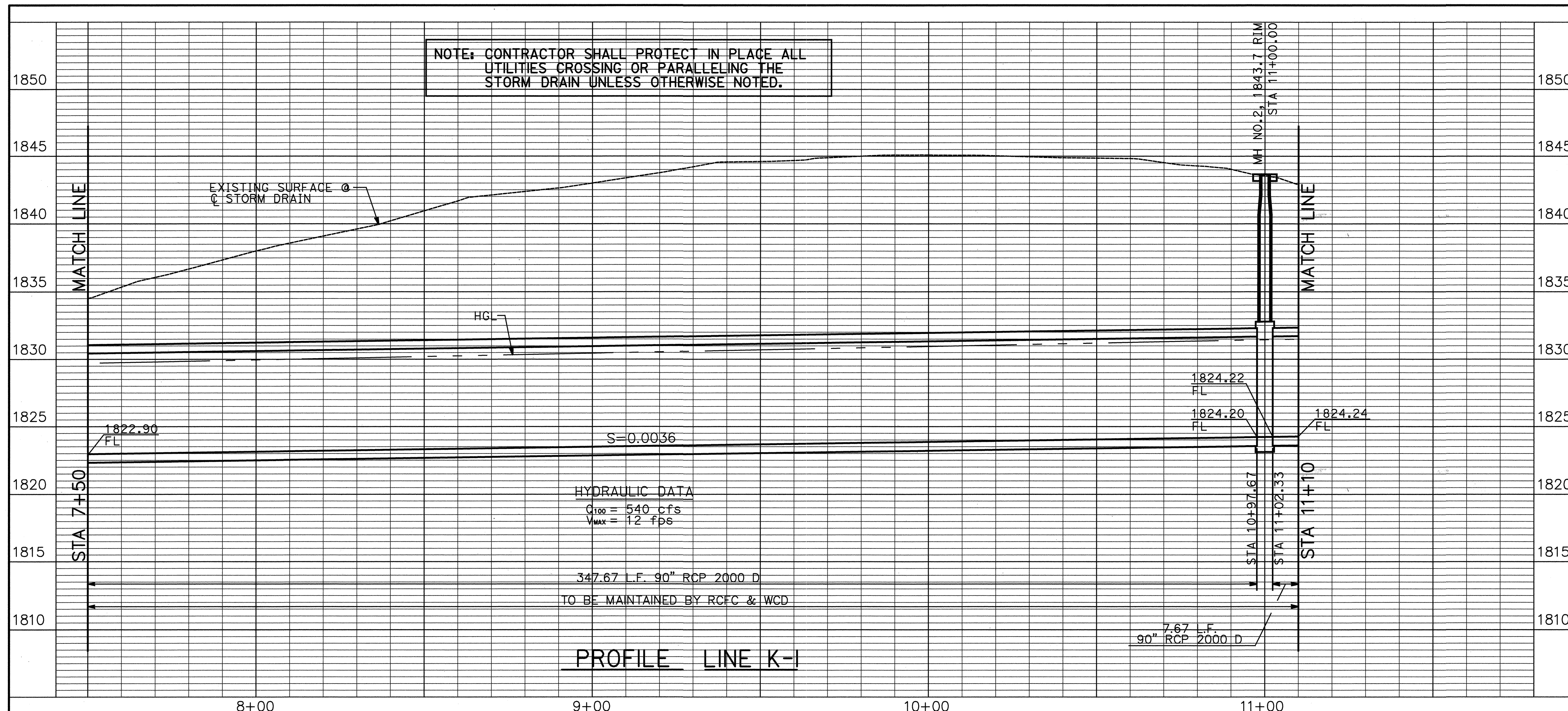
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: [Signature] DATE: 2/3/2021

APPROVED BY: [Signature] DATE: 2/3/2021

CITY OF MORENO VALLEY
MORENO MDP LINE K-1
STORM DRAIN
STA 3+71 TO STA 7+50

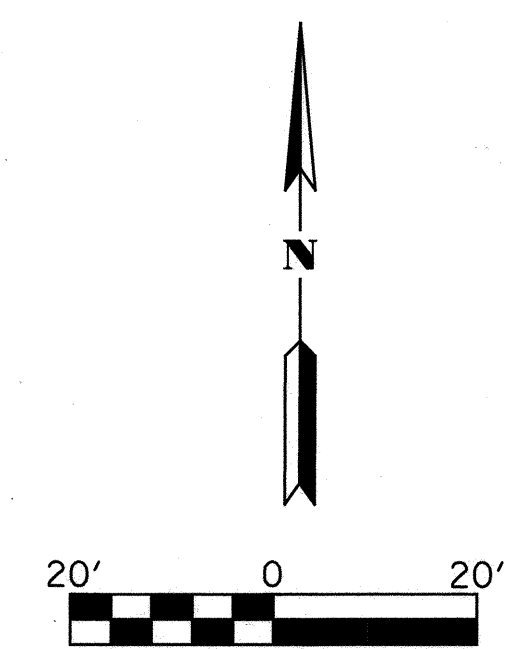
PROJECT NO. 4-0-00766-02
DRAWING NO. 4-1001
SHEET NO. 2 OF 8



CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLE PER RCFC AND WCD STD MH252.
- ④ INSTALL 90" RCP (LOAD PER PROFILE)

	DELTA/BRG	RADIUS	LENGTH
ⓐ	2° 54' 09"	3000'	151.98'
ⓓ	7° 32' 10"	1962'	258.06'
ⓔ	S 89° 32' 56" E	-	951.27'



REF.	DESCRIPTION	APPR.	DATE

PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CALIFORNIA 92612
 DESIGNED BY: M. GALVAN
 DRAWN BY: O. SANDOVAL
 DATE DRAWN: 09/08/2020
 CHECKED BY: K. MICHALSKI



CITY OF MORENO VALLEY APPROVALS

APPROVED BY: [Signature] DATE: 1/20/21
 CITY TRAFFIC ENGINEER

APPROVED BY: [Signature] DATE: 1/21/21
 MAINTENANCE AND OPERATIONS MANAGER

APPROVED BY: [Signature] DATE: 1/21/21
 SENIOR ENGINEER

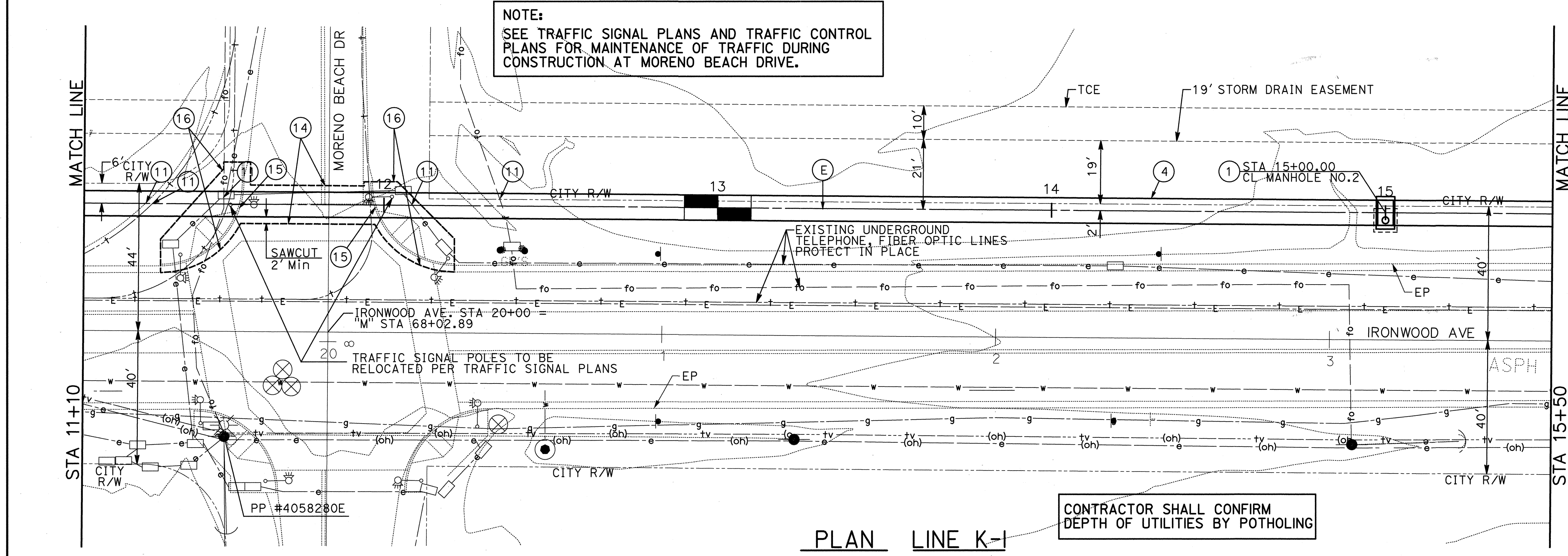
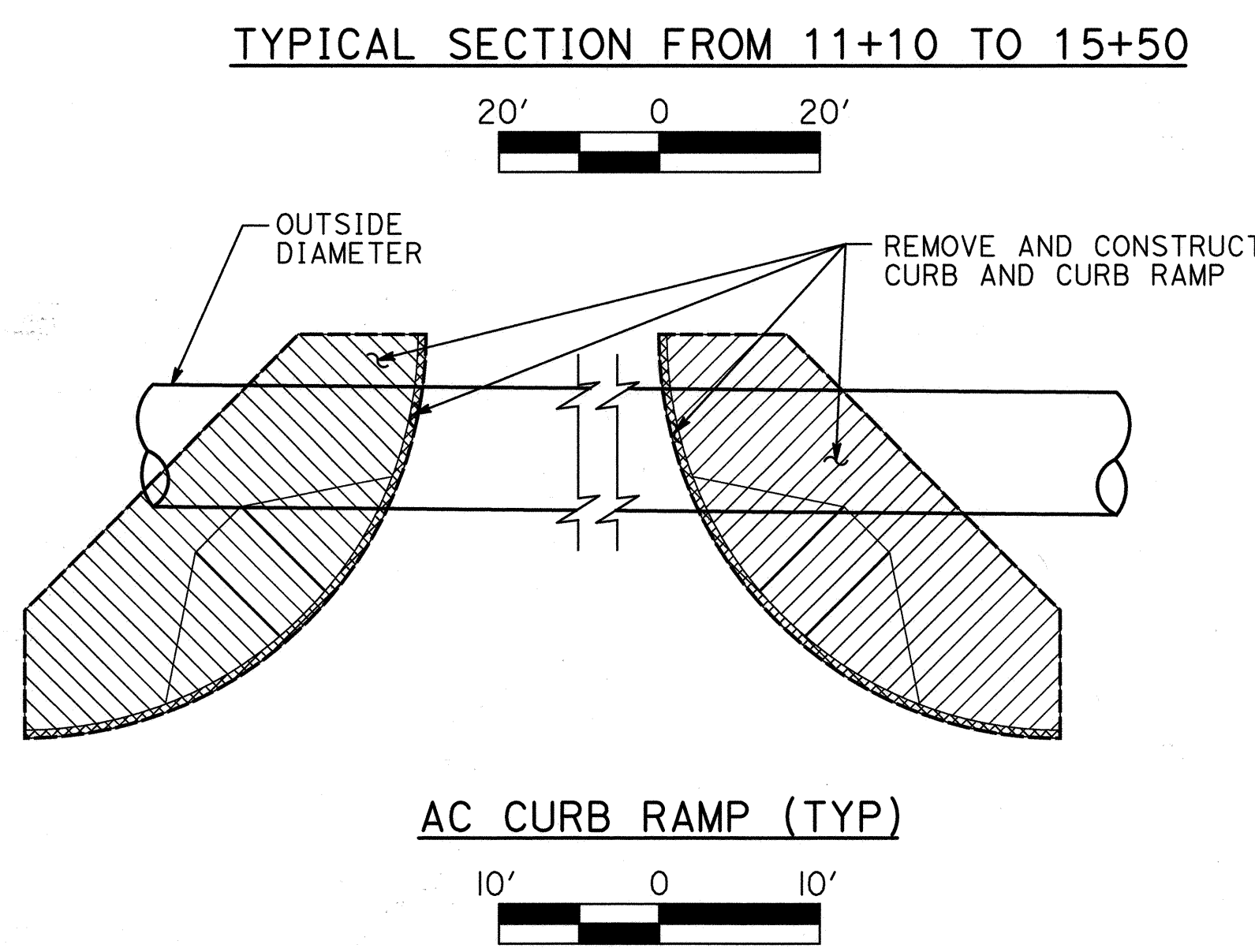
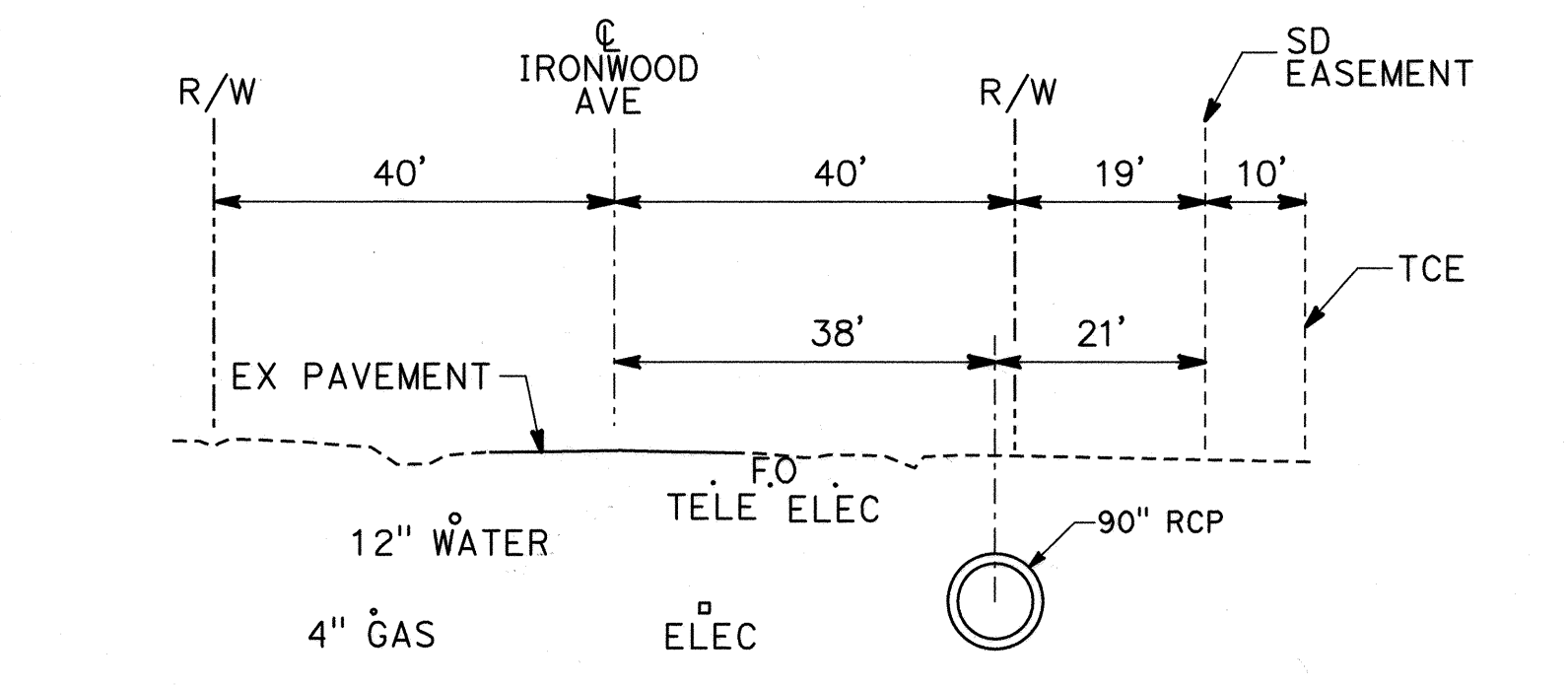
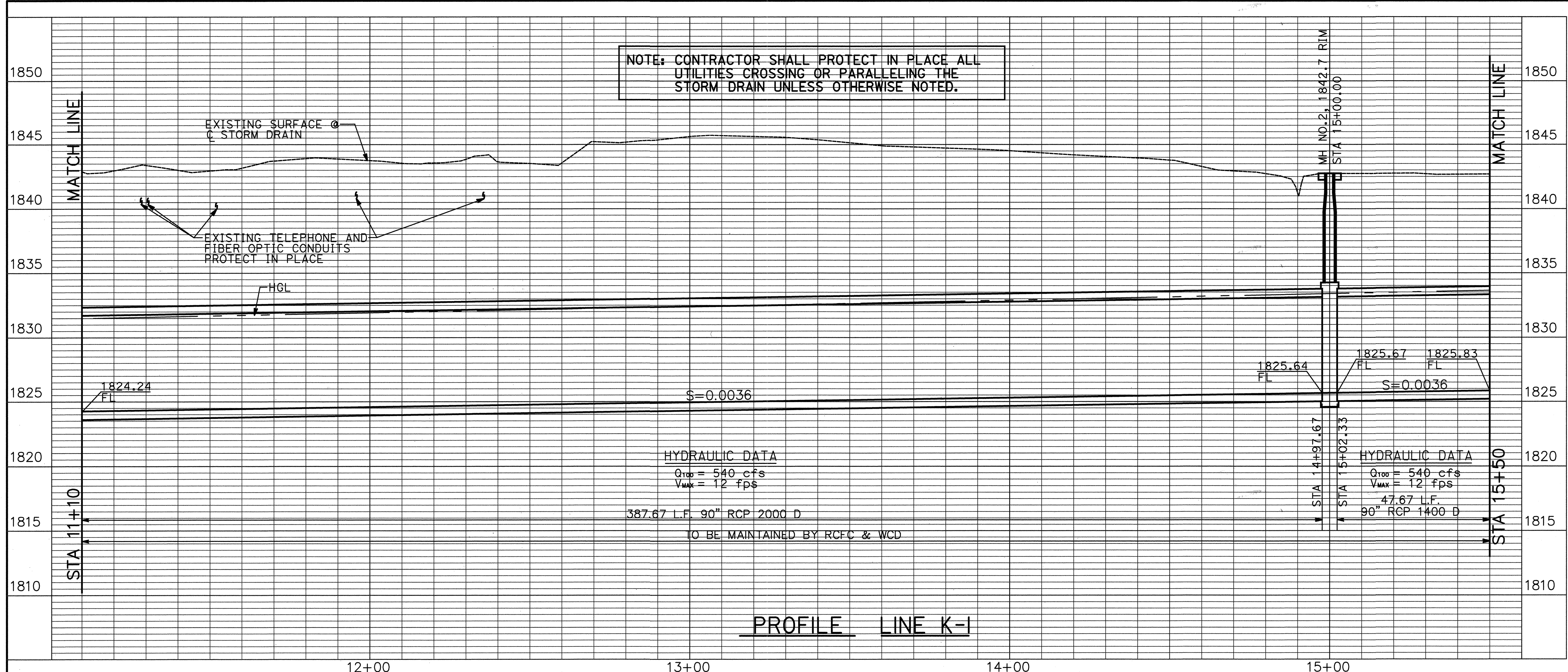
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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CITY OF MORENO VALLEY
 MORENO MDP LINE K-1
 STORM DRAIN
 STA 7+50 TO STA 11+00

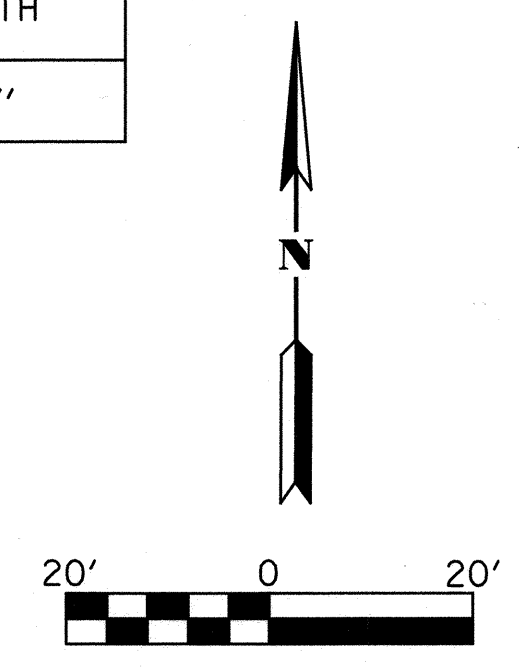
PROJECT NO. 4-0-00766-02
 DRAWING NO. 4-1001
 SHEET NO. 3 OF 8



CONSTRUCTION NOTES

- 1 CONSTRUCT MANHOLE PER RCFC AND WCD STD MH252.
- 4 INSTALL 90" RCP (DLOAD PER PROFILE)
- 11 EXPOSE AND PROVIDE TEMPORARY SUPPORT IN PLACE FOR EXISTING TELEPHONE AND ELECTRICAL CONDUITS
- 14 CONSTRUCT 4" AC OVER 6" CLASS 2 AB OR EQUAL. PER CITY OF MORENO VALLEY STD PLAN NO. MVSI-132B-3
- 15 CONSTRUCT 6" AC CURB PER CITY OF MORENO VALLEY STD PLAN NO. MVSI-124-0 AND PER DETAIL THIS SHEET
- 16 CONSTRUCT 6" AC CURB RAMP PER CITY OF MORENO VALLEY STD PLAN NO. MVSI-114A-2 AND PER DETAIL THIS SHEET

	DELTA/BRG	RADIUS	LENGTH
(E)	S 89° 32' 56" E	-	951.27'



REF.	DESCRIPTION	APPR.	DATE

BASIS OF BEARING
REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.

PERMANENT BENCH MARK
B.M. NO. 3276
N: 2286653.999 E: 6280061.292
FD 2" BRASS DISK STAMPED
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PARSONS
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IRVINE, CALIFORNIA 92612

DESIGNED BY: M. GALVAN
DRAWN BY: O. SANDOVAL
DATE DRAWN: 09/08/2020
CHECKED BY: K. MICHALSKI

REGISTERED PROFESSIONAL ENGINEER
KEVIN MICHALSKI
No. C67282
Exp 09/30/22
CIVIL
STATE OF CALIFORNIA

CITY OF MORENO VALLEY APPROVALS

APPROVED BY: [Signature] DATE: 1/7/21 BY: MML
CITY TRAFFIC ENGINEER
MAINTENANCE AND OPERATIONS MANAGER
SENIOR ENGINEER

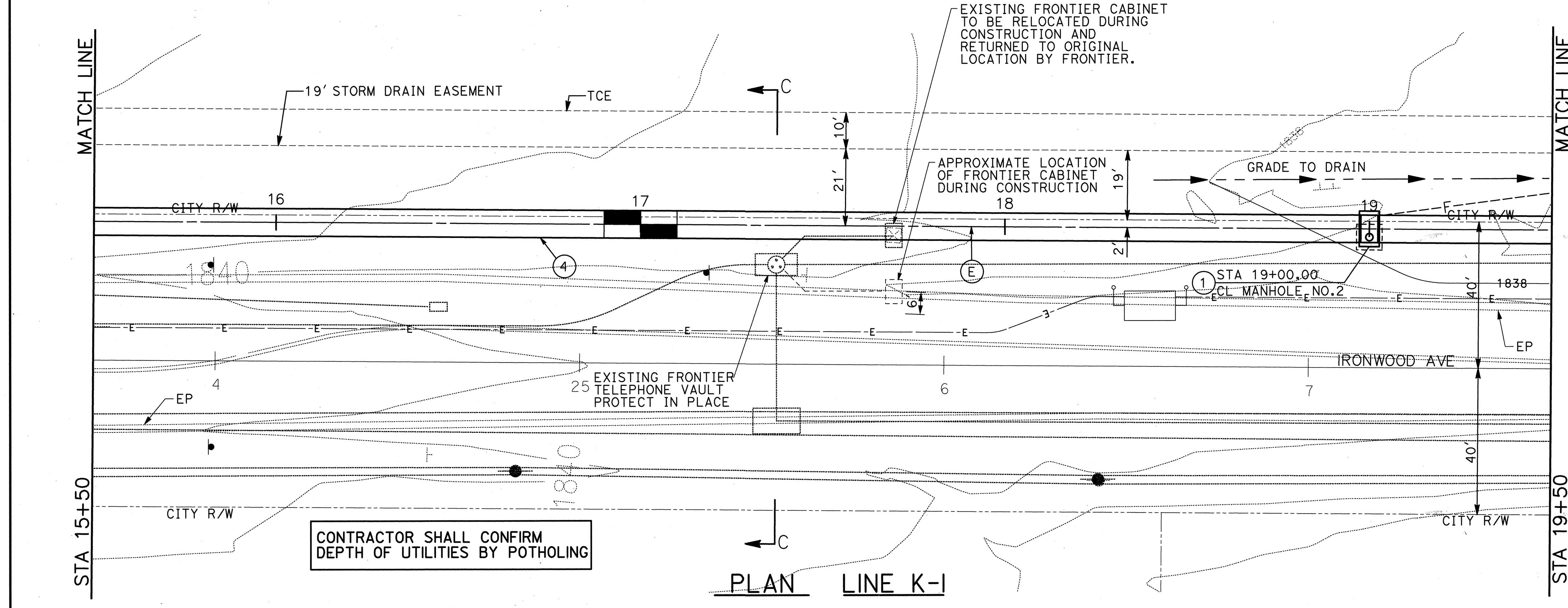
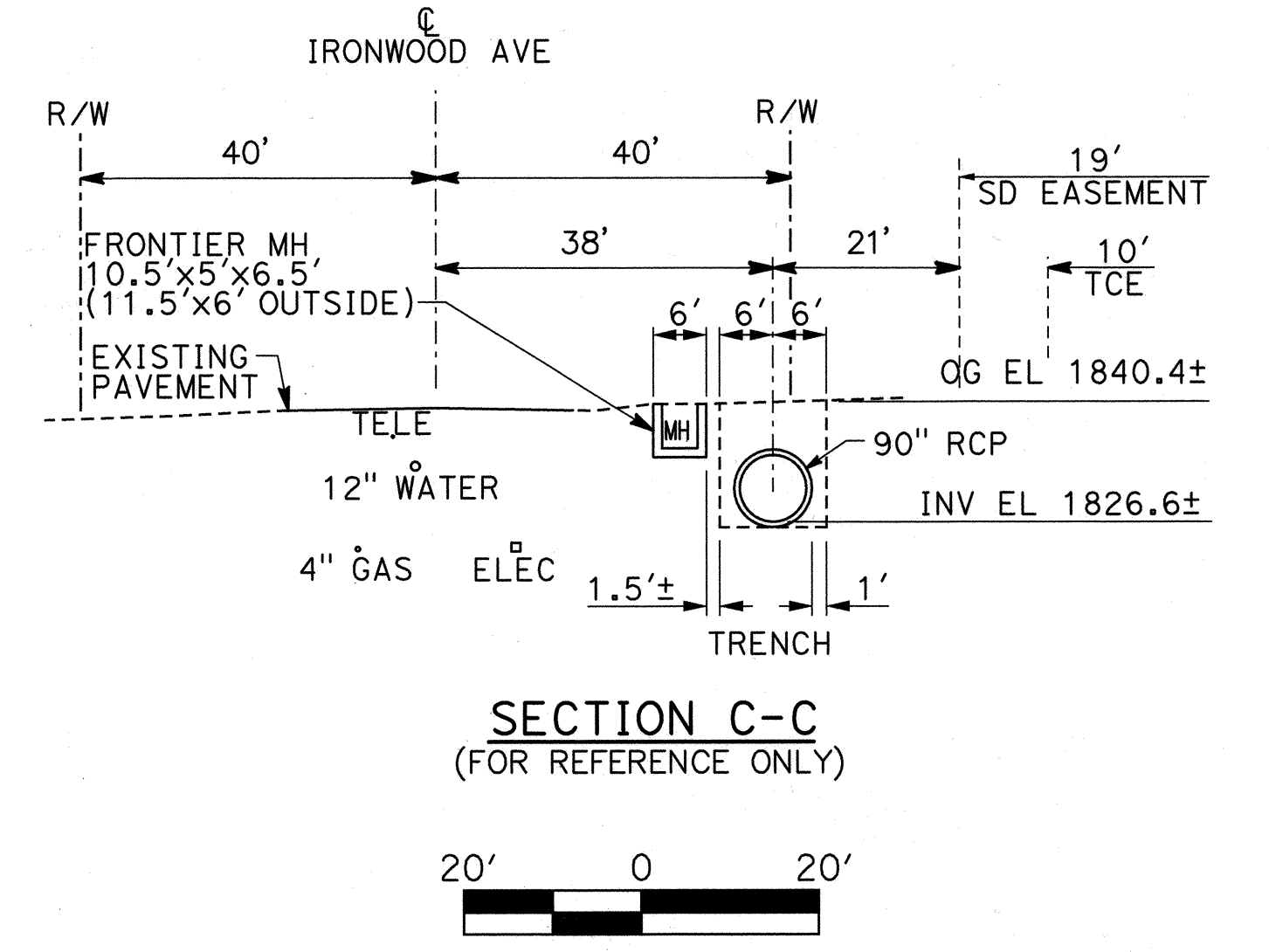
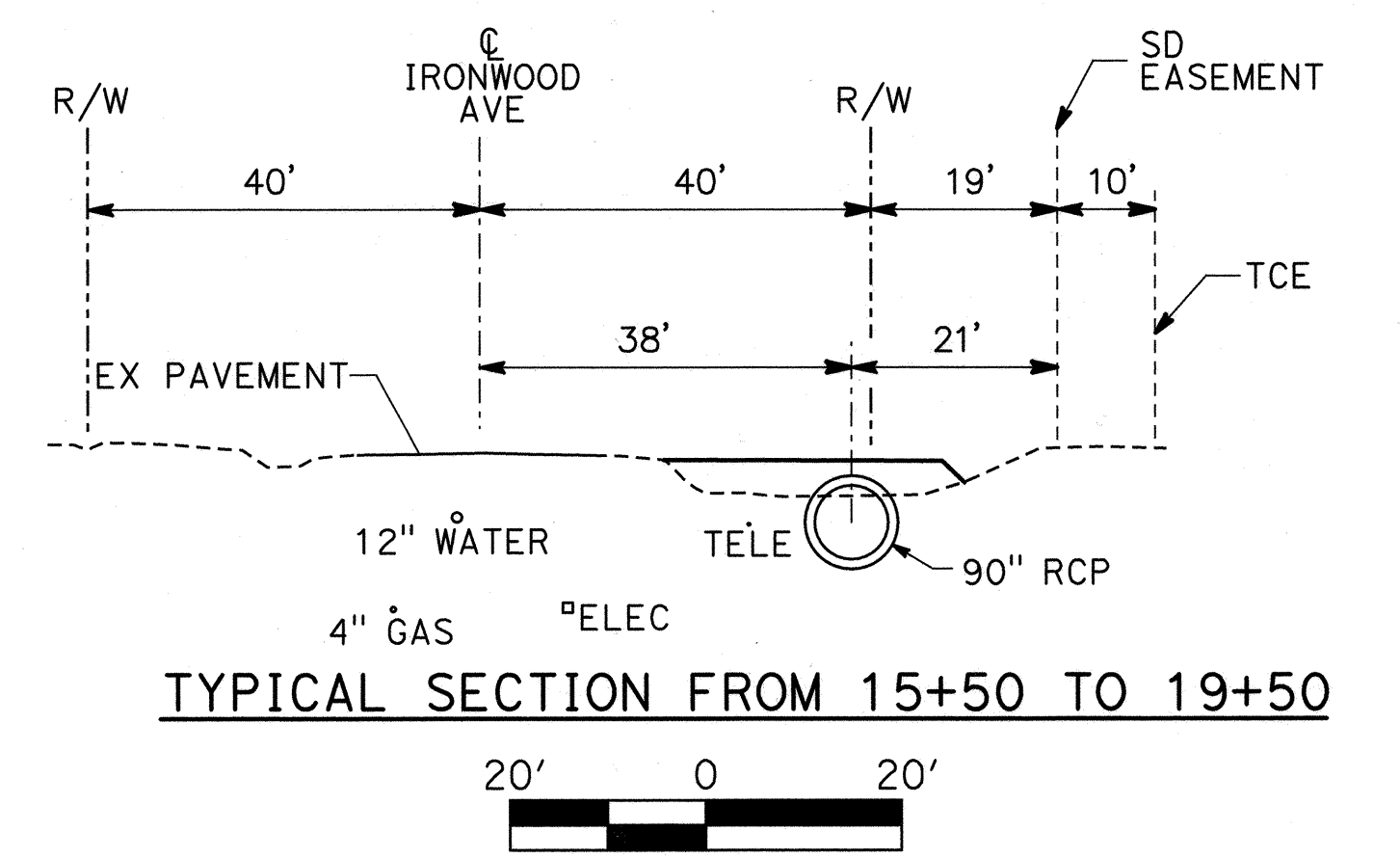
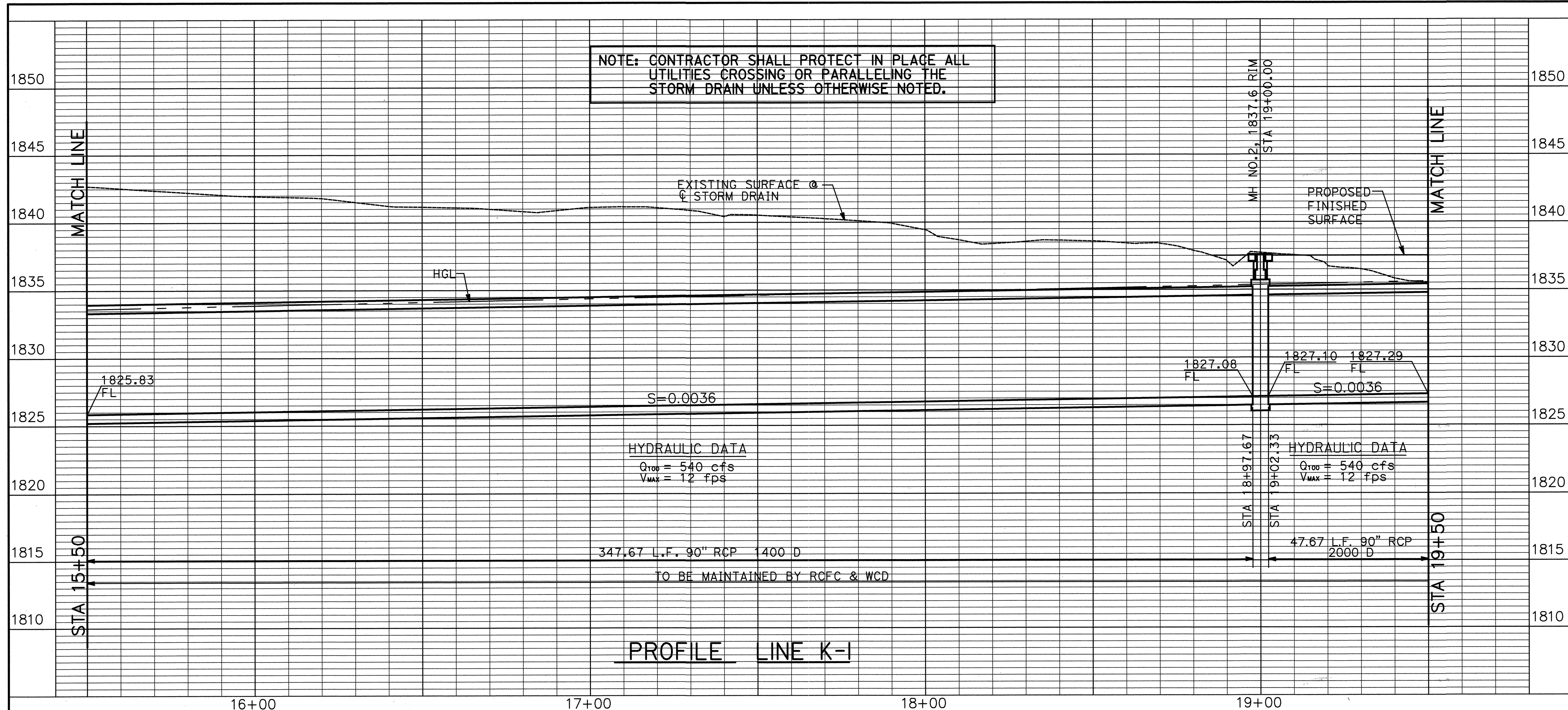
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PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER
APPROVED: [Signature] DATE: 2/3/2021
MICHAEL L. WOLFE, P.E.
PUBLIC WORKS DIRECTOR/CITY ENGINEER
R.C.E. 55623

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: [Signature] DATE: 2/3/2021
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CITY OF MORENO VALLEY
MORENO MDP LINE K-1
STORM DRAIN
STA 11+10 TO STA 15+50

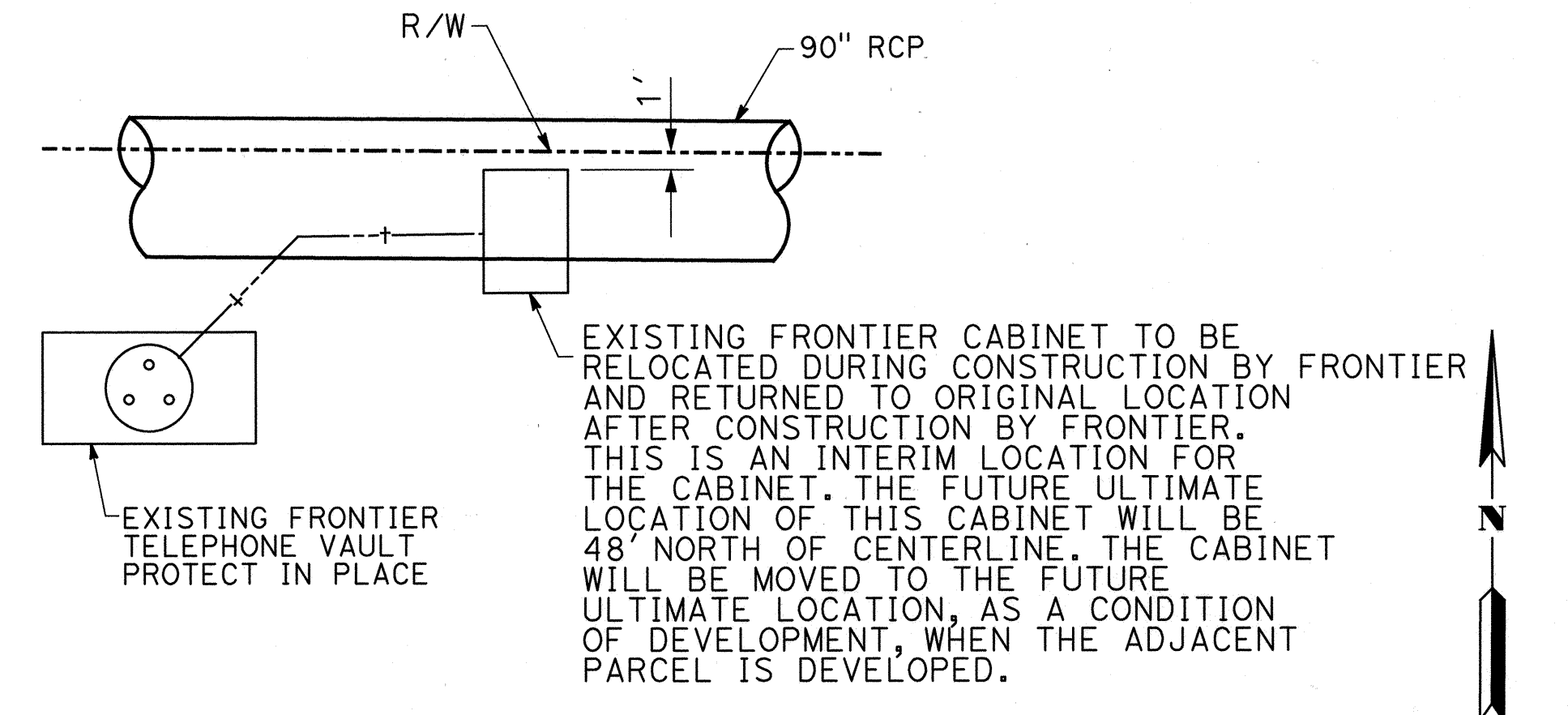
PROJECT NO. 4-0-00766-02
DRAWING NO. 4-1001
SHEET NO. 4 OF 8



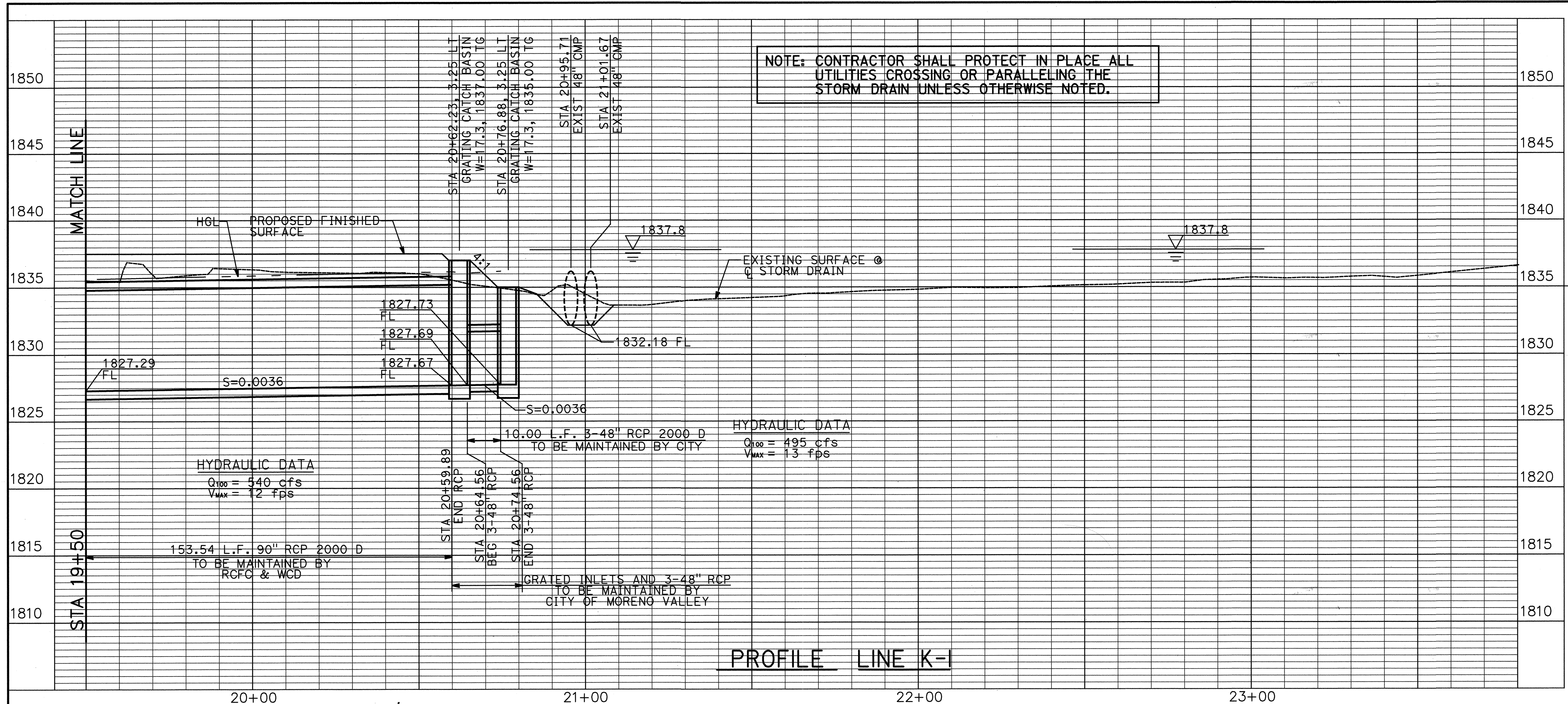
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- ① CONSTRUCT MANHOLE PER RCFC AND WCD STD MH252.
- ④ INSTALL 90" RCP (LOAD PER PROFILE)

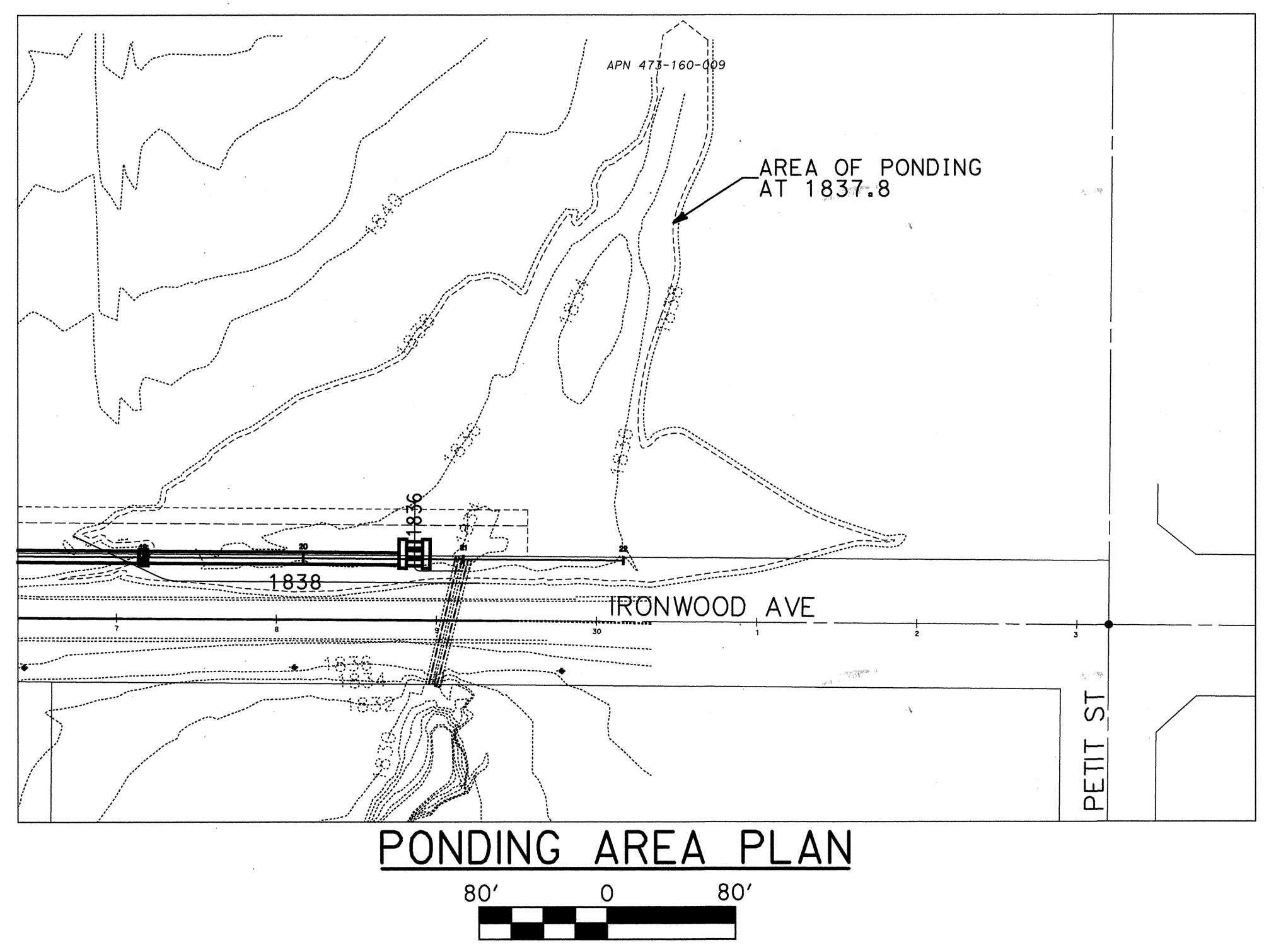
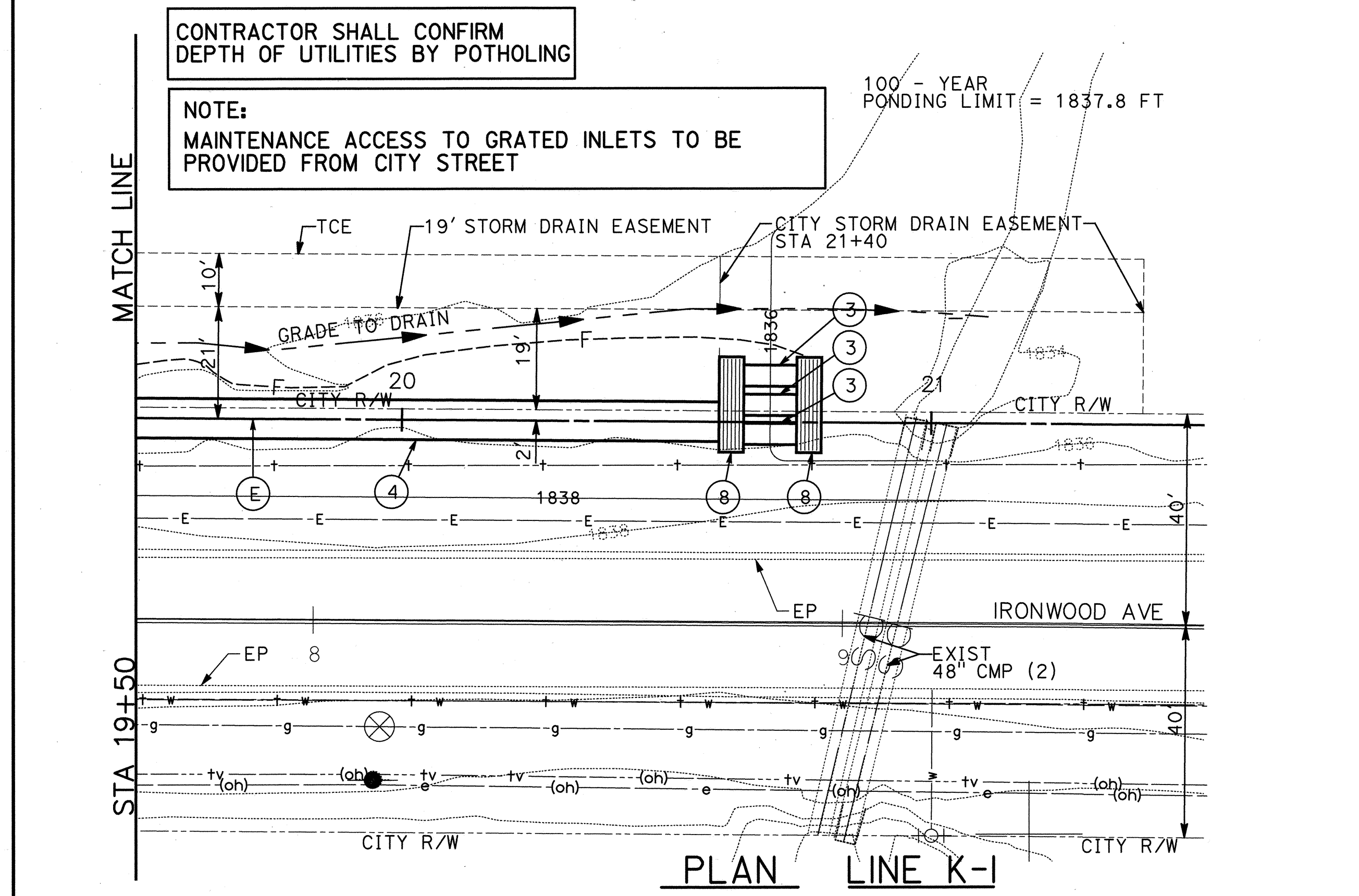
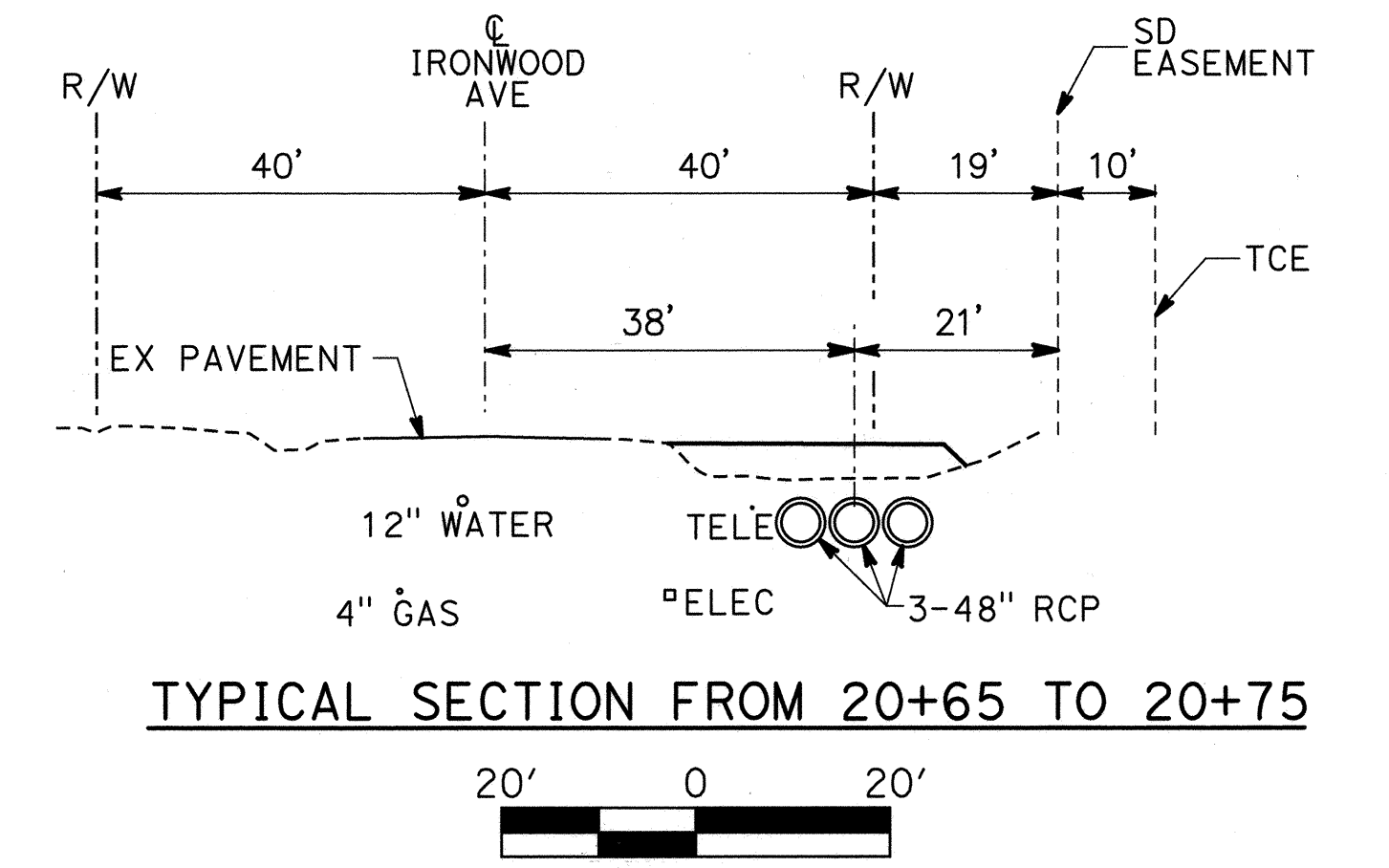
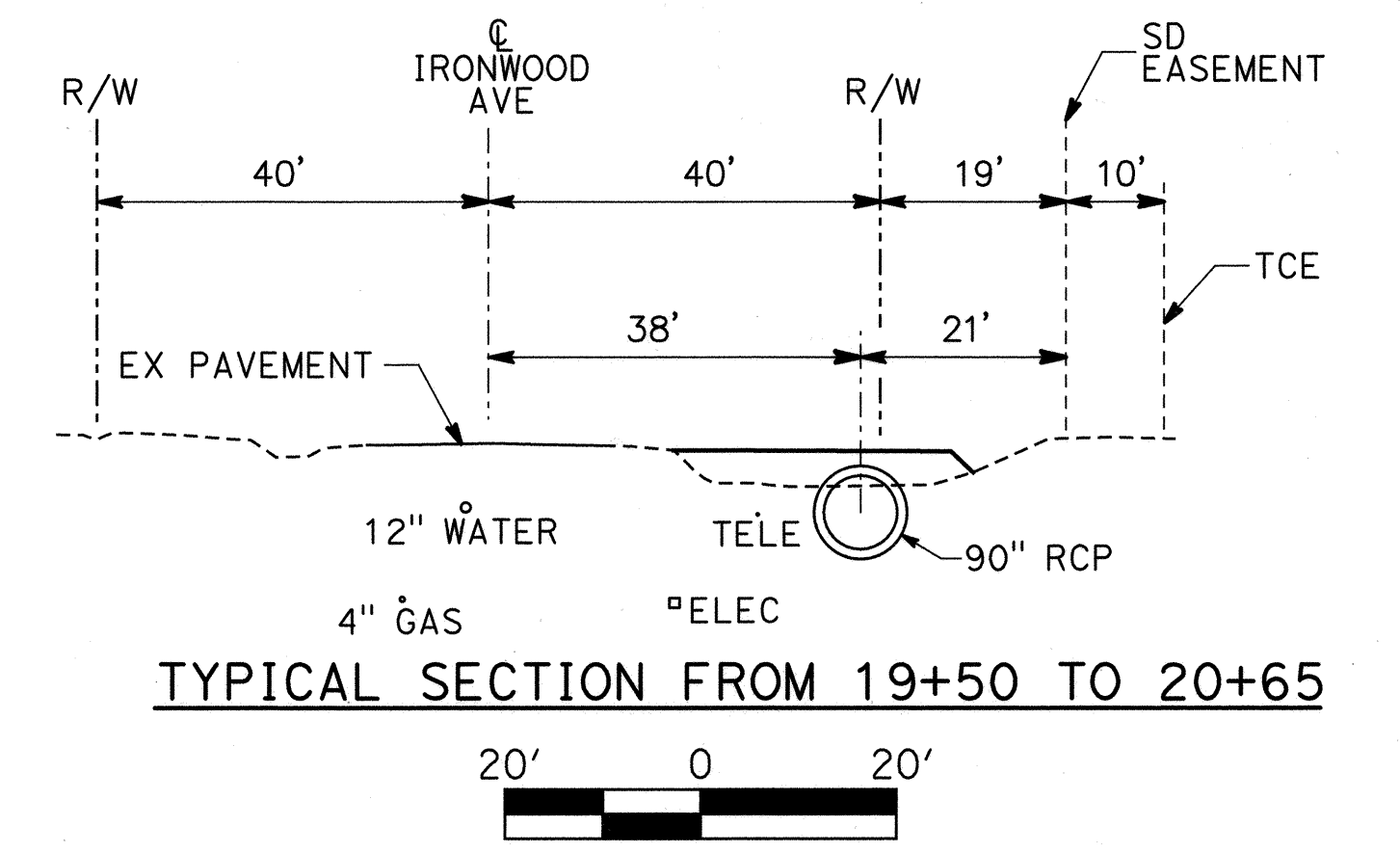
	DELTA/BRG	RADIUS	LENGTH
⑤	S 89° 32' 56" E	-	951.27'



<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REF.	DESCRIPTION	APPR.	DATE					<p>BASIS OF BEARING</p> <p>REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.</p>	<p>PERMANENT BENCH MARK</p> <p>B.M. NO. 3276 N2286653.999 E46280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)</p>	<p>PARSONS</p> <p>2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612</p> <p>DESIGNED BY: M. GALVAN DRAWN BY: O. SANDOVAL DATE DRAWN: 09/08/2020 CHECKED BY: K. MICHALSKI</p>	<p>CITY OF MORENO VALLEY APPROVALS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>APPROVED BY</th> <th>DATE</th> <th>BY</th> <th>RECOMMENDED:</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>CITY TRAFFIC ENGINEER</td> <td> </td> <td> </td> <td>Honyga</td> <td>1/20/21</td> </tr> <tr> <td>MAINTENANCE AND OPERATIONS MANAGER</td> <td> </td> <td> </td> <td>HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590</td> <td> </td> </tr> <tr> <td>SENIOR ENGINEER</td> <td>1/21/21</td> <td>MAL</td> <td>M.T. Wolfe MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623</td> <td>4/21/21</td> </tr> </tbody> </table>	APPROVED BY	DATE	BY	RECOMMENDED:	DATE	CITY TRAFFIC ENGINEER			Honyga	1/20/21	MAINTENANCE AND OPERATIONS MANAGER			HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590		SENIOR ENGINEER	1/21/21	MAL	M.T. Wolfe MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623	4/21/21	<p>RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RECOMMENDED FOR APPROVAL BY:</th> <th>APPROVED BY:</th> </tr> </thead> <tbody> <tr> <td>Juliana Adams</td> <td>Edwin Cuning</td> </tr> <tr> <td>DATE: 2/3/2021</td> <td>DATE: 2/3/2021</td> </tr> </tbody> </table>	RECOMMENDED FOR APPROVAL BY:	APPROVED BY:	Juliana Adams	Edwin Cuning	DATE: 2/3/2021	DATE: 2/3/2021	<p>CITY OF MORENO VALLEY</p> <p>MORENO MDP LINE K-1 STORM DRAIN</p> <p>STA 15+50 TO STA 19+50</p>	<p>PROJECT NO. 4-0-00766-02</p> <p>DRAWING NO. 4-1001</p> <p>SHEET NO. 5 OF 8</p>
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NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN UNLESS OTHERWISE NOTED.



CONSTRUCTION NOTES

- (3) INSTALL 48" RCP (DLOAD PER PROFILE)
- (4) INSTALL 90" RCP (DLOAD PER PROFILE)
- (8) CONSTRUCT GRATING CATCH BASIN PER APWA STD 305.3

	DELTA/BRG	RADIUS	LENGTH
(E)	S 89° 32' 56" E	-	951.27'

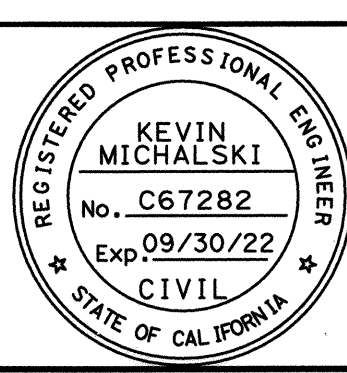
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PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CALIFORNIA 92612

DESIGNED BY: M. GALVAN
DRAWN BY: O. SANDOVAL
DATE DRAWN: 09/08/2020
CHECKED BY: K. MICHALSKI



CITY OF MORENO VALLEY APPROVALS

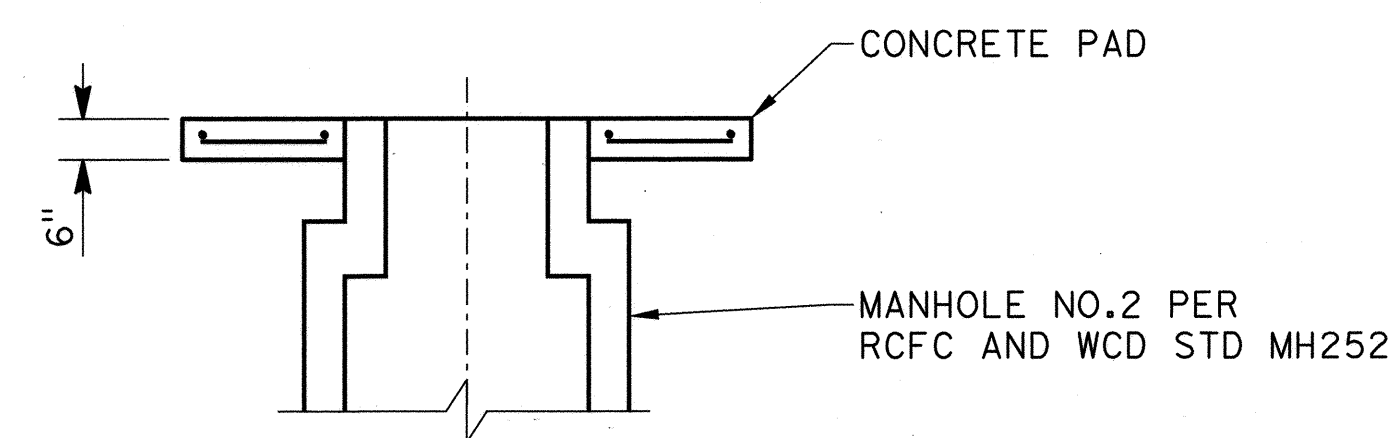
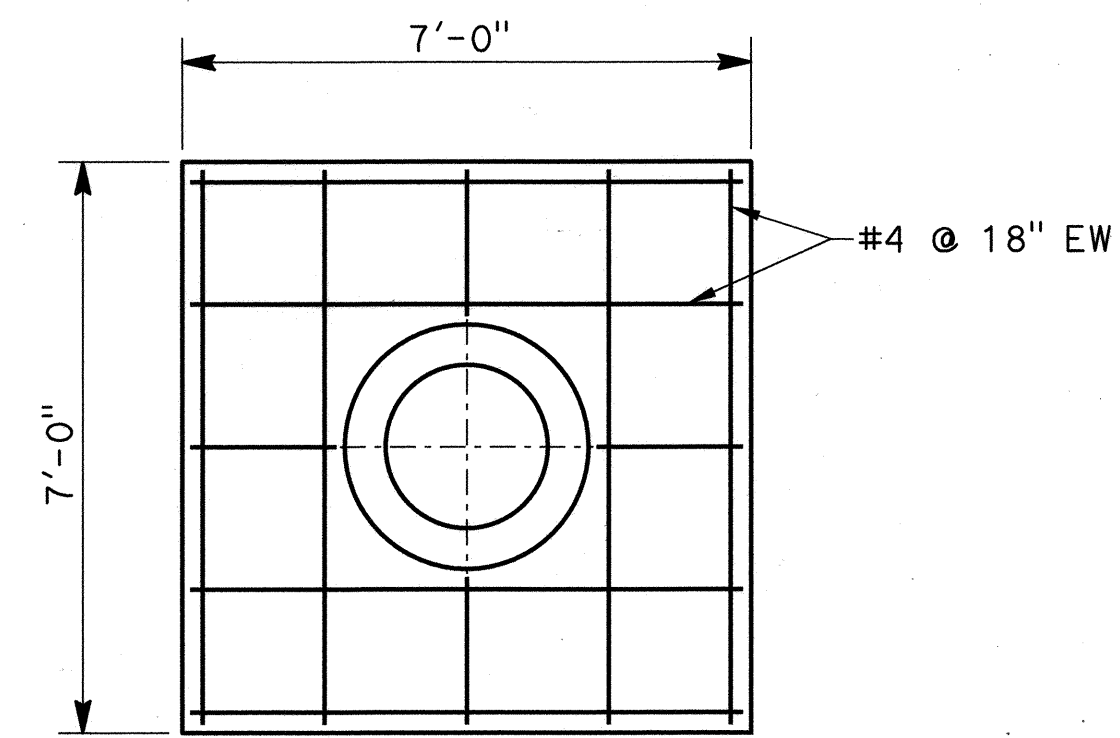
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CITY TRAFFIC ENGINEER			HENRY O. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER	1/20/21
MAINTENANCE AND OPERATIONS MANAGER			M.L. Wolfe, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER	1/11/21
SENIOR ENGINEER	1/7/21	MAL		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

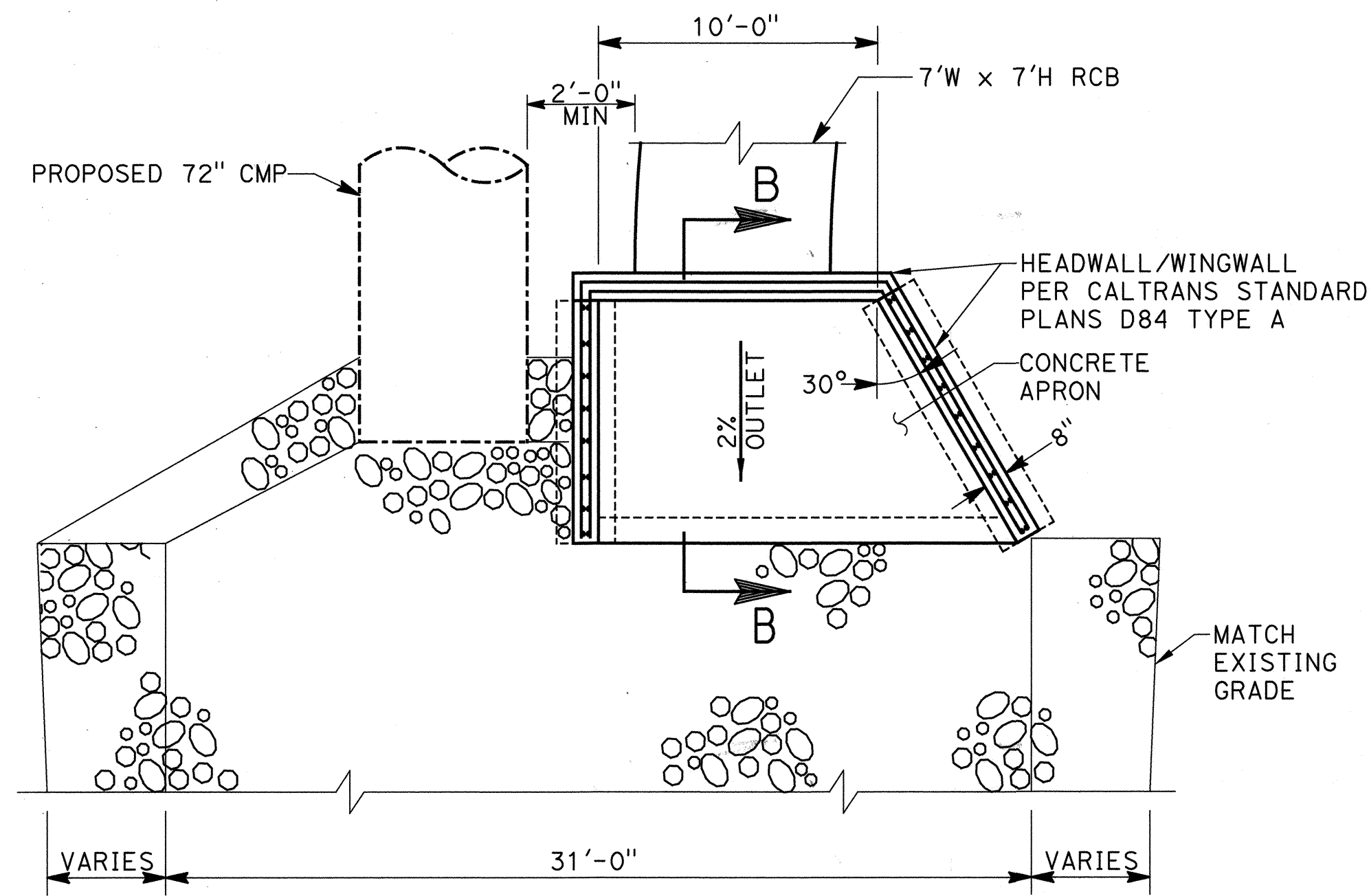
RECOMMENDED FOR APPROVAL BY:	APPROVED BY:
Guliana Adam	Edwin Quinones
DATE: 2/3/2021	DATE: 2/3/2021

CITY OF MORENO VALLEY
MORENO MDP LINE K-1
STORM DRAIN
STA 19+50 TO STA 20+74.56

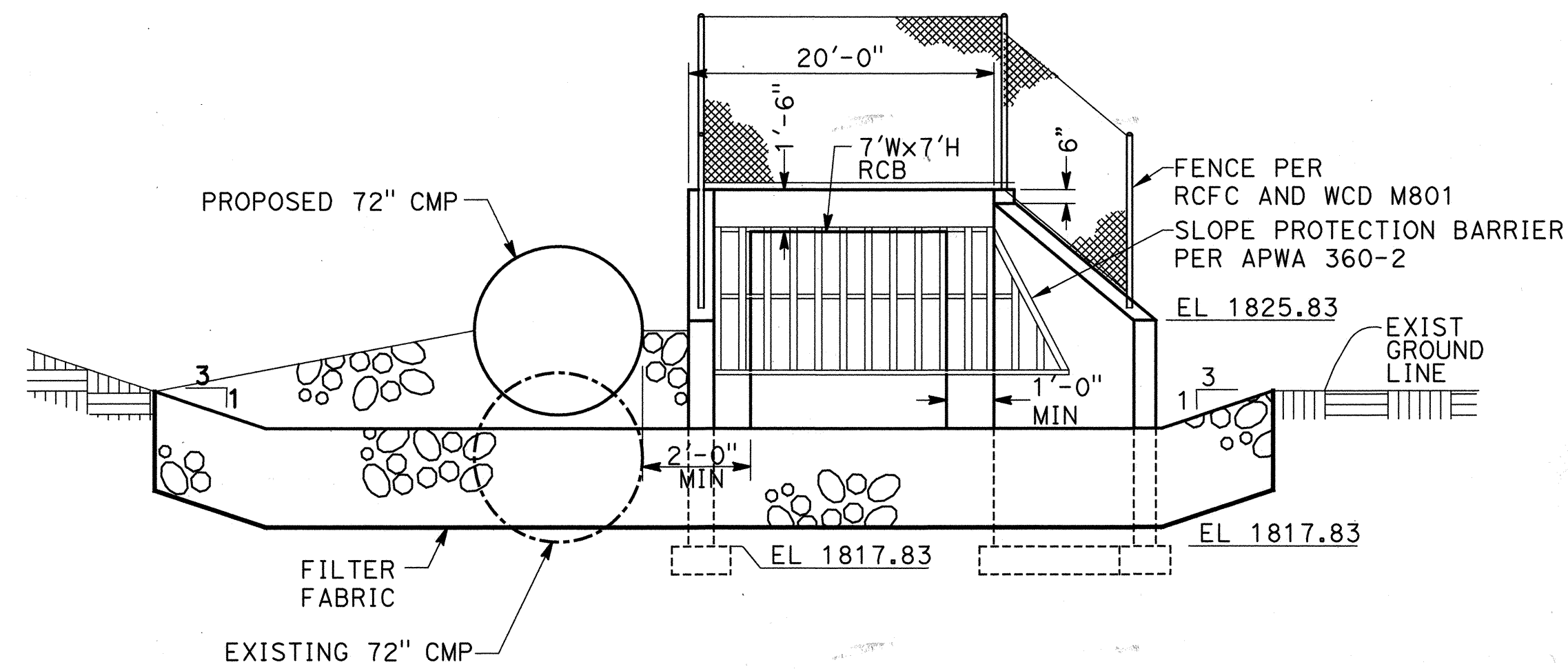
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DRAWING NO. 4-1001
SHEET NO. 6 OF 8



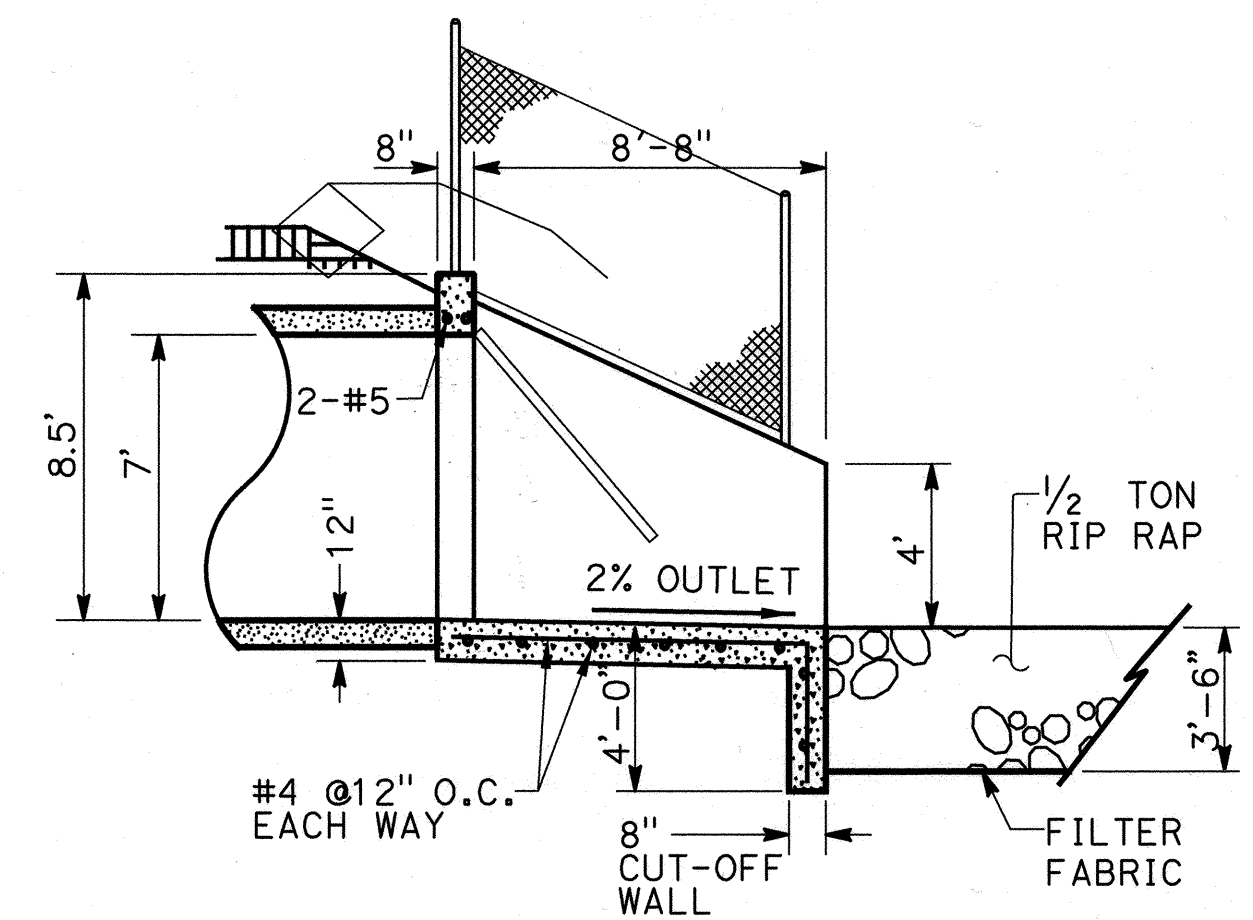
1 MANHOLE CONCRETE PAD
Not to Scale



7'x7' RCB OUTLET - PLAN




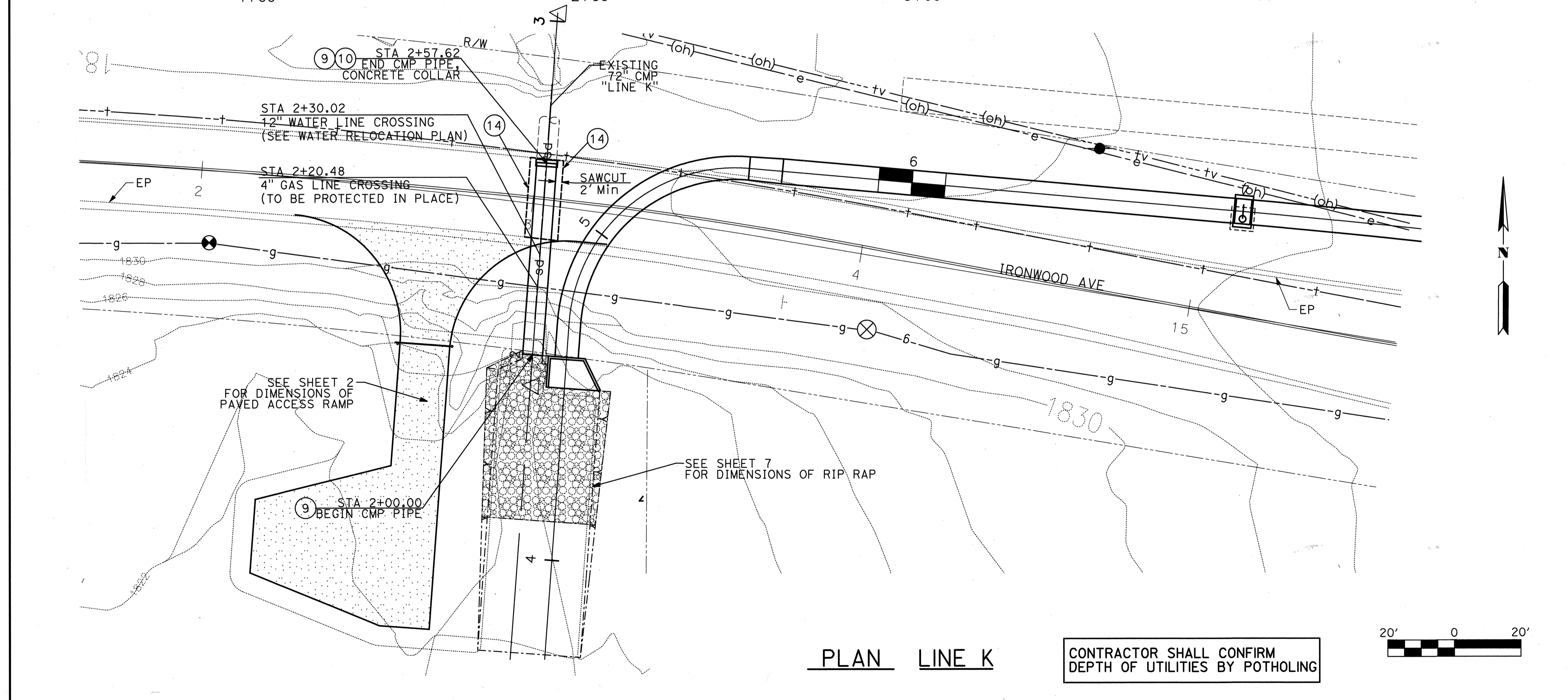
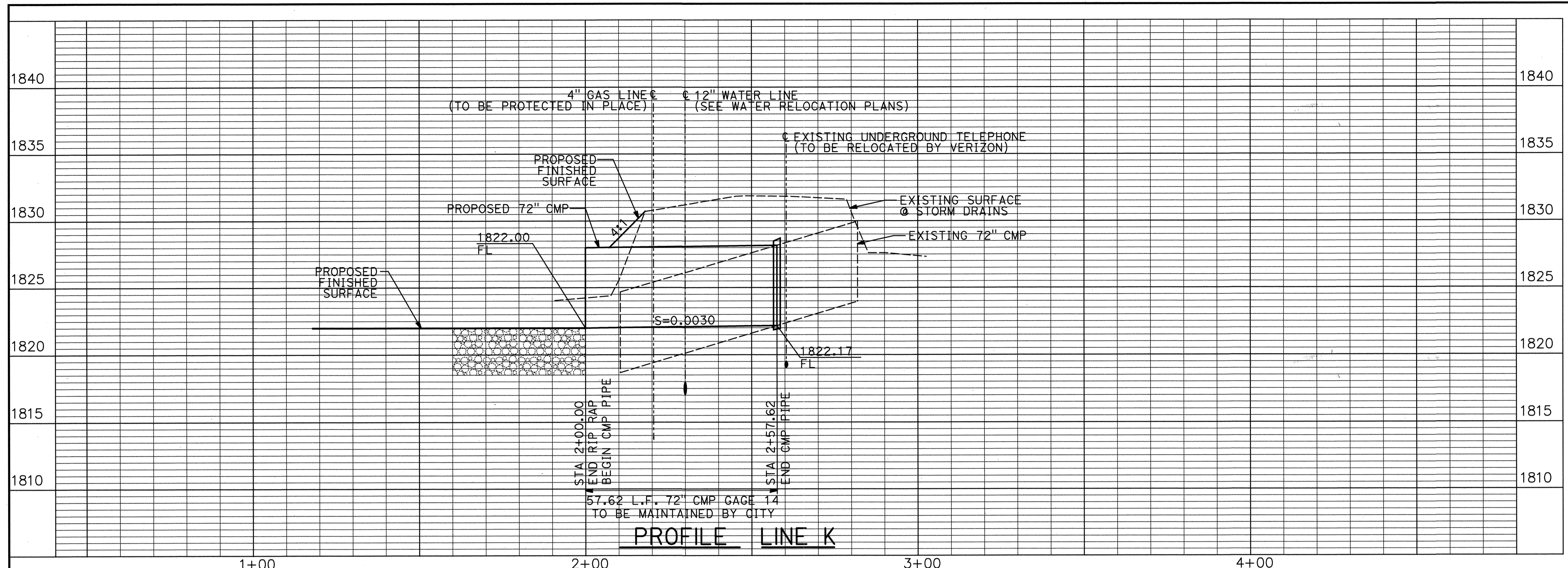
7'x7' RCB OUTLET - CROSS SECTION



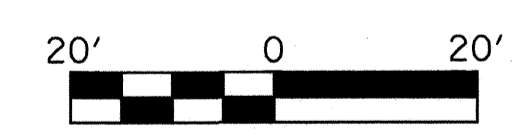
SECTION B-B

2 HEADWALL OUTLET STRUCTURE
Not to Scale

REVISIONS		BASIS OF BEARING REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	PERMANENT BENCH MARK B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)	PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 DESIGNED BY: M. GALVAN DRAWN BY: O. SANDOVAL DATE DRAWN: 09/08/2020 CHECKED BY: K. MICHALSKI		CITY OF MORENO VALLEY APPROVALS		RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		CITY OF MORENO VALLEY MORENO MDP LAT K-1 STORM DRAIN DETAILS	PROJECT NO. 4-0-00766-02 DRAWING NO. 4-1001 SHEET NO. 7 OF 8
APPROVED BY	DATE	BY	RECOMMENDED:	DATE	RECOMMENDED FOR APPROVAL BY:	DATE	APPROVED BY:	DATE			
CITY TRAFFIC ENGINEER			HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590	1/20/21	Jubiana DeLeon	2/3/2021	Edwin DeLeon	2/3/2021			
MAINTENANCE AND OPERATIONS MANAGER			MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623	1/21/21							
SENIOR ENGINEER	1/7/21	MAL									



- CONSTRUCTION NOTES**
- (9) CONSTRUCT 72" CORRUGATED METAL PIPE
 - (10) CONSTRUCT CONCRETE COLLAR PER APWA STD 380-4
 - (14) CONSTRUCT 4" AC OVER 6" CLASS 2 AB OR EQUAL PER CITY OF MORENO VALLEY STD PLAN NO. MVS1-132B-2

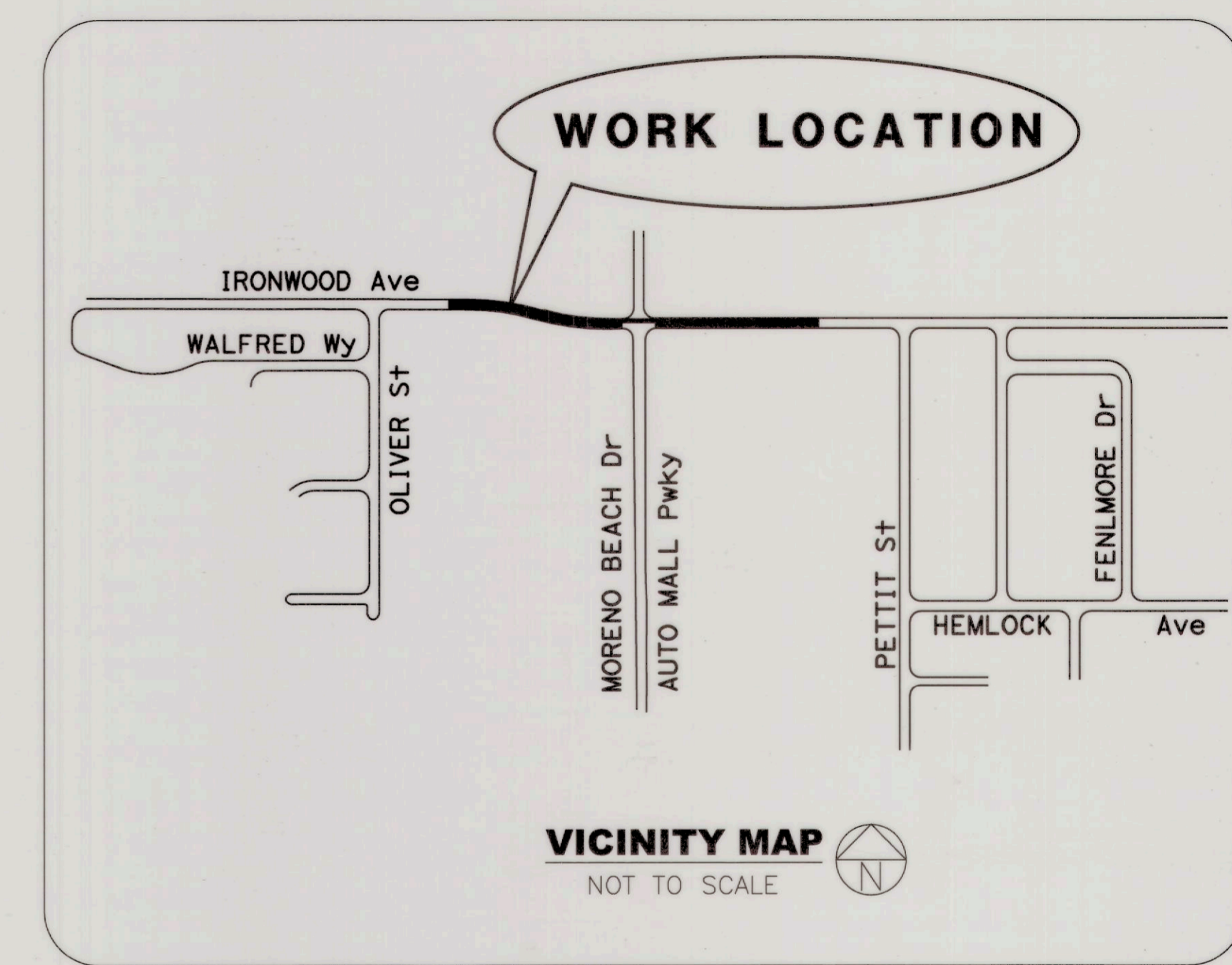
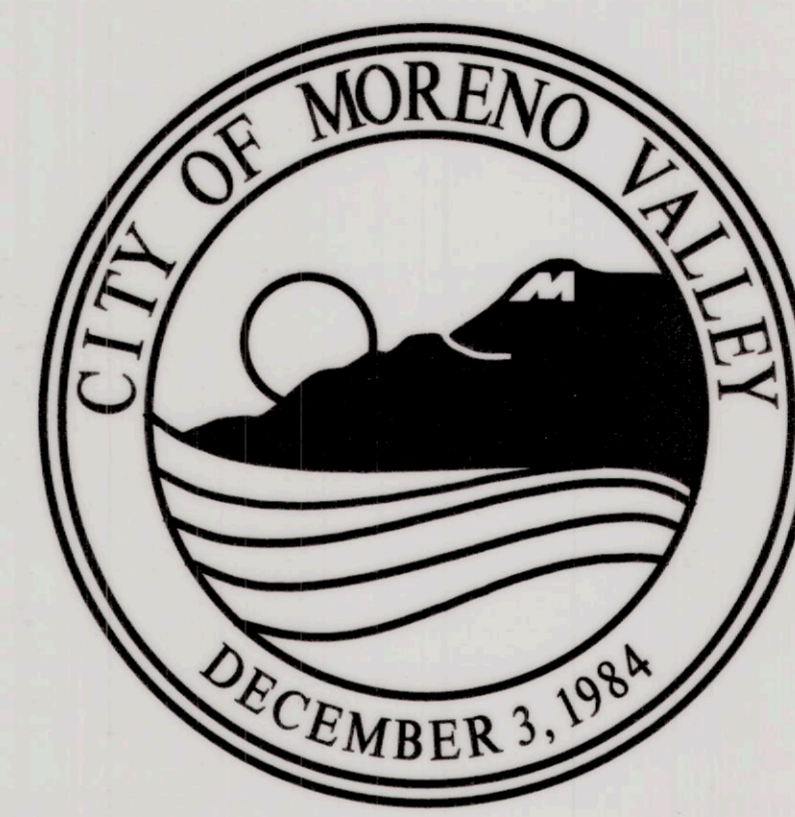


REVISIONS <table border="1"> <thead> <tr> <th>REF.</th> <th>DESCRIPTION</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REF.	DESCRIPTION	APPR.	DATE					BASIS OF BEARING REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	PERMANENT BENCH MARK B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)	PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 DESIGNED BY: M. GALVAN DRAWN BY: O. SANDOVAL DATE DRAWN: 09/08/2020 CHECKED BY: K. MICHALSKI		CITY OF MORENO VALLEY APPROVALS <table border="1"> <thead> <tr> <th>APPROVED BY</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>CITY TRAFFIC ENGINEER</td> <td>1/20/21</td> <td>Henry</td> </tr> <tr> <td>MAINTENANCE AND OPERATIONS MANAGER</td> <td>1/21/21</td> <td>M. W. Wolf</td> </tr> <tr> <td>SENIOR ENGINEER</td> <td>1/7/21</td> <td>NAL</td> </tr> </tbody> </table>	APPROVED BY	DATE	BY	CITY TRAFFIC ENGINEER	1/20/21	Henry	MAINTENANCE AND OPERATIONS MANAGER	1/21/21	M. W. Wolf	SENIOR ENGINEER	1/7/21	NAL	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT <table border="1"> <thead> <tr> <th>RECOMMENDED FOR APPROVAL BY:</th> <th>APPROVED BY:</th> </tr> </thead> <tbody> <tr> <td>Juliana</td> <td>Edwin</td> </tr> <tr> <td>DATE: 2/3/2021</td> <td>DATE: 2/3/2021</td> </tr> </tbody> </table>	RECOMMENDED FOR APPROVAL BY:	APPROVED BY:	Juliana	Edwin	DATE: 2/3/2021	DATE: 2/3/2021	CITY OF MORENO VALLEY MORENO MDP LINE K-1 STORM DRAIN STA 1+00 TO STA 1+90.08	PROJECT NO. 4-0-00766-02 DRAWING NO. 4-1001 SHEET NO. 8 OF 8
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DATE: 2/3/2021	DATE: 2/3/2021																																		

TRAFFIC CONTROL AND SIGNAL PLANS FOR MORENO MDP LINE K-1 STORM DRAIN IRONWOOD AVENUE PROJECT NO. 8010021

GENERAL STREET IMPROVEMENT NOTES

1. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS IN EFFECT AT THE TIME OF BID, THE CITY OF MORENO VALLEY "STANDARD PLANS," AND OTHER AGENCIES' APPLICABLE "STANDARD PLANS" AS NOTED ON THE PLANS AND IN THE SPECIAL PROVISIONS.
2. ALL TRAFFIC SIGNAL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS IN EFFECT AT THE TIME OF BID, SECTION 86 "SIGNALS AND LIGHTING" OF CALTRANS STANDARD SPECIFICATIONS, CALTRANS STANDARD PLANS, AND THE SPECIAL PROVISIONS.
3. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CA MUTCD PART 6 "TEMPORARY TRAFFIC CONTROL."
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A CITY OF MORENO VALLEY BUSINESS LICENSE AND ENCROACHMENT PERMIT.
5. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, PROVIDE ALERT NUMBER TO CITY ENGINEER AND ALL NECESSARY UTILITY COMPANIES.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FILE AN APPLICATION FOR A FIRE HYDRANT METER WITH THE APPROPRIATE WATER AGENCY.
7. REQUEST FOR INSPECTION TO THE CITY OF MORENO VALLEY SHALL BE MADE BY THE CONTRACTOR AT LEAST TWENTY-FOUR (24) HOURS BEFORE THE SERVICES THEREOF WILL BE REQUIRED AT (951) 413-3130.
8. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT RESIDENTS, BUSINESSES, AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WILL BE A VIOLATION OF THE CONTRACT. CONTRACTOR SHALL PROVIDE ACCESS TO RESIDENCES AND BUSINESSES AT ALL TIMES.
9. NO PUBLIC TRAVELED STREET SHALL BE CLOSED TO TRAFFIC WITHOUT PRIOR CITY COUNCIL APPROVAL.
10. PROVISIONS SHALL BE MADE BY THE CONTRACTOR AT ALL TIMES FOR CONTRIBUTORY DRAINAGE.
11. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, THESE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY FACILITIES SHOWN AND OTHER FACILITIES NOT ON RECORD OR NOT SHOWN ON THESE PLANS.
12. THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES (POT HOLES) AND DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE IN THE VICINITY OF OR THAT MAY BE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO ANY CONSTRUCTION WORK WHICH COULD DAMAGE OR CONFLICT WITH SAID STRUCTURES OR UTILITIES.
13. THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING TRAFFIC SIGNAL CONDUIT WITHIN 6" ABOVE PROPOSED SUB GRADE SURFACE AND ALL CONDUIT BELOW PROPOSED SUBGRADE SURFACE. ALL EXISTING CONDUIT THAT IS MORE THAN 6" ABOVE THE PROPOSED SUBGRADE SURFACE SHALL BE RELOCATED TO WITHIN 6" BELOW PROPOSED SUBGRADE SURFACE.
14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THE IMPROVEMENTS CONFLICT WITH EXISTING FACILITIES, AND WORK IN THE CONFLICTING LOCATION SHALL STOP.
15. ANY ALTERATIONS OR VARIANCES FROM THE PLANS, EXCEPT MINOR ADJUSTMENTS IN THE FIELD TO MEET EXISTING CONDITIONS, SHALL BE REQUESTED IN WRITING AND MAY NOT BE INSTITUTED UNTIL APPROVED BY THE CITY ENGINEER OR REPRESENTATIVES ACTING SPECIFICALLY ON THE CITY ENGINEER'S INSTRUCTIONS.
16. INSPECTION BY THE CITY INSPECTOR SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATIONS TO COMPLETELY AND DILIGENTLY PERFORM ALL WORK IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
17. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED BY LOCAL BENCH MARKS. SURVEY MONUMENTS SHALL BE PROTECTED IN PLACE.
18. ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE SHALL BE SAWCUT UNLESS OTHERWISE SPECIFIED.
19. NO TRENCHES EXCEPT CURB AND GUTTER, SHALL BE LEFT OPEN OVERNIGHT UNLESS APPROVED BY THE CITY ENGINEER IN WRITING.
20. ALL UTILITIES SHALL BE INSTALLED, INSPECTED, TESTED AND APPROVED BY THE APPROPRIATE UTILITY COMPANY PRIOR TO PAVING. PROOF OF SUCH INSPECTION/APPROVAL SHALL BE SUPPLIED TO THE CITY INSPECTOR OR REPRESENTATIVE.
21. IRRIGATION LINES WITHIN ANY CITY STREET SHALL HAVE A 30" MINIMUM COVER FROM FINISH SURFACE, UNLESS SAID IRRIGATION LINE HAS BEEN APPROVED BY THE CITY ENGINEER IN WRITING TO BE ENCASED IN CONCRETE OR BEDDED IN A SPECIAL CONCRETE CRADLE.
22. THE CONTRACTOR SHALL COMPACT THE UPPER SIX INCHES OF SUBGRADE/AGGREGATE BASE TO A MINIMUM RELATIVE DENSITY OF 90/95 PERCENT RESPECTIVELY PER ASTM 1556-82 TESTING METHOD, OR AS DIRECTED BY THE ENGINEER.
23. SUBGRADE MATERIALS PLACED FOR CURBS, GUTTERS, AND DRIVEWAY APPROACHES SHALL BE TO A RELATIVE COMPACTION OF 95 PERCENT; 90 PERCENT FOR SIDEWALKS.
24. ALL PORTLAND CEMENT CONCRETE (PCC) REMOVALS, INCLUDING, BUT NOT LIMITED TO CROSS GUTTERS, CURBS, DRIVEWAY APPROACHES, SIDEWALKS AND SPANDRELS SHALL BE MADE BY REMOVING AND REPLACING THE ENTIRE SECTION BETWEEN JOINTS. IF ANY UTILITY CUTS ARE MADE IN PCC IMPROVEMENTS, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED.
25. CONCRETE SIDEWALKS, CURBS AND GUTTERS, OR OTHER CONCRETE STRUCTURES WHICH WILL NOT BE SUBJECTED TO VEHICULAR TRAFFIC, SHALL BE BARRICADED FOR A PERIOD OF AT LEAST SEVEN (7) DAYS FOLLOWING PLACEMENT OF THE SAID CONCRETE STRUCTURE. FOR DRIVEWAYS, CROSS GUTTERS, SPANDRELS OR OTHER STRUCTURES WHICH WILL BE SUBJECTED TO VEHICULAR TRAFFIC, THE CONTRACTOR SHALL USE CONCRETE CONTAINING EIGHT SACKS OF CEMENT AND ADDITIVES THAT PROVIDE HIGH EARLY STRENGTH IN ORDER TO UTILIZE EARLIER USE OF CONSTRUCTED FACILITIES, AS EARLY AS 24-HOUR AFTER PLACING OF CONCRETE. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE CITY ENGINEER FOR TRAFFIC USE TO BE PERMITTED THEREON TWENTY-FOUR HOURS AFTER THE PLACING OF CONCRETE.
26. ALL TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE IN PLACE AND APPROVED BY THE CITY PRIOR TO PAVING. DELINEATION SHALL BE COMPLETED PRIOR TO STREET OPEN.
27. THE CONTRACTOR SHALL NOT PLACE ASPHALT CONCRETE PAVING UNTIL SUBGRADE OR AGGREGATE BASE HAS BEEN INSPECTED AND APPROVED BY THE CITY AND SHALL INCLUDE A COPY OF THE CERTIFICATION OF BASE/COMPACTION BY THE GEOTECHNICAL ENGINEER.
28. THE CONTRACTOR SHALL PLACE THE FINISH (CAP) COURSE PAVING AFTER ALL BASE COURSE PAVING HAS BEEN COMPLETED AND ACCEPTED. TACK COAT SHALL BE PLACED BETWEEN ALL COURSES OF PAVING.
29. THE CONTRACTOR SHALL ADJUST WATER VALVE COVERS TO FINISH GRADE DURING PAVING, LOOSEN AFTER PAVING, AND PAINT BLUE.
30. BLUE DOTS SHALL BE INSTALLED TO INDICATE THE LOCATION OF FIRE HYDRANTS.
31. ALL TREE BRANCHES OVER-HANGING THE SIDEWALK SHALL BE TRIMMED CLEAR TO A MINIMUM HEIGHT OF 10 FEET ABOVE FINISHED SURFACE/GROUND SURFACE AND BRANCHES OVER-HANGING THE ROADWAY SHALL BE TRIMMED CLEAR TO A MINIMUM HEIGHT OF 18 FEET.
32. ALL IRRIGATION SHALL BE RELOCATED BEHIND IMPROVEMENTS AND REPLACED WITH THE SAME STANDARD OF MATERIALS OR HIGHER. ALL LANDSCAPING SHALL COMPLY WITH THE CONTRACT DOCUMENTS.
33. ALL PAVEMENT REPAIR SURFACE COURSE SHALL BE PG64-14 ASPHALT RUBBER HOT MIX (ARHM-GG-C), OR AS APPROVED BY THE CITY ENGINEER. SEE STANDARDS No. MVS1-132, A THROUGH F. ARHM SHALL CONFORM TO SECTION 203-11 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.



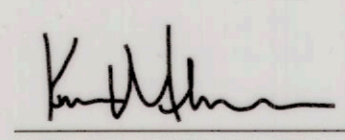
UTILITY COMPANIES

BOX SPRINGS MUTUAL WATER COMPANY	(951) 653-6419
CHARTER SPECTRUM	(877) 906-9121
CROWN CASTLE	(855) 913-4237
EASTERN MUNICIPAL WATER DISTRICT	(951) 928-3777
EDGEMONT COMMUNITY SERVICES DISTRICT	(951) 784-2632
FRONTIER COMMUNICATION	(800) 921-8101
MORENO VALLEY SPECIAL DISTRICTS	(951) 413-3480
MORENO VALLEY UTILITY	(951) 413-3500
RIVERSIDE TRANSIT AGENCY	(951) 565-5000
SOUTHERN CA EDISON	(800) 655-4555
SOUTHERN CA GAS COMPANY	(800) 427-2200
TRAFFIC SIGNAL MAINTENANCE (CITY)	(951) 413-3140
UNDERGROUND SERVICE ALERT	(800) 422-4133
VERIZON WIRELESS	(800) 922-0204

DECLARATION OF DESIGN ENGINEER OF RECORD

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY THE CITY OF MORENO VALLEY IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THAT THE PLANS COMPLY WITH CITY PROCEDURES, APPLICABLE POLICIES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS. AS ENGINEER OF RECORD (EOR), I AGREE TO INDEMNIFY AND HOLD THE CITY OF MORENO VALLEY, THE MORENO VALLEY HOUSING AUTHORITY, AND THE MORENO VALLEY COMMUNITY SERVICES DISTRICT (CSD), ITS OFFICERS, AGENTS AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY OF CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENT ACTS, ERRORS, OR OMISSIONS OF THE ENGINEER OF RECORD.


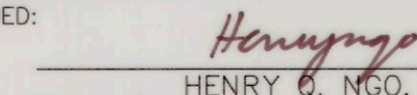
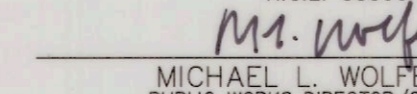
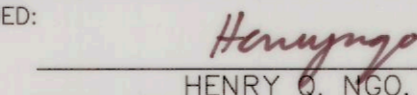
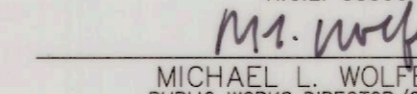
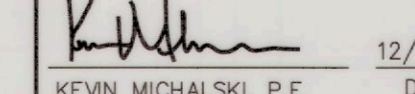

I ALSO HEREBY DECLARE THAT I HAVE COMPARED THESE PLANS WITH ALL APPLICABLE ADA AND TITLE 24 REQUIREMENTS FOR DISABILITY ACCESS FOR THIS PUBLIC WORKS PROJECT, AND THESE PLANS ARE IN FULL COMPLIANCE WITH THOSE REQUIREMENTS.


 KEVIN MICHALSKI, P.E. R.C.E. 67282 12/16/20
DATE

NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY THE SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT ON RECORD OR NOT SHOWN ON THESE PLANS.

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE INVITING BIDS" OF THE BID DOCUMENTS.

 CALL TOLL FREE 1-800-227-2600 2 Working Days Before You Dig	BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	BENCH MARK: B.M. NO. 3276 N+2286653.999 E+6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (INGVD-29)	CITY OF MORENO VALLEY APPROVALS APPROVED BY:  DATE: 1/20/21 CITY TRAFFIC ENGINEER MAINTENANCE AND OPERATIONS MANAGER SENIOR ENGINEER:  DATE: 1/7/21	RECOMMENDED:  DATE: 1/20/21 HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590 APPROVED:  DATE: 1/21/21 MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 68623	PREPARED UNDER SUPERVISION OF:  DATE: 12/16/20 KEVIN MICHALSKI, P.E. R.C.E. 67282	ENGINEER OF RECORD'S SEAL 	TITLE SHEET MORENO MDP LINE K-1 STORM DRAIN IRONWOOD AVENUE	ACC. No. SHEET 1 OF 8 PROJECT NO. 801 0021
	DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____			MARK REVISIONS APPR DATE				

CONSTRUCTION NOTES:

- ① CONSTRUCT TEMPORARY ROADWAY PAVEMENT WIDENING WITH 6" THICK HMA (TYPE A).
- ② INSTALL TEMPORARY RAILING (TYPE K) WITH BARRIER MARKERS MINIMUM 2" BEHIND EDGE LINE STRIPE.
- ③ INSTALL TEMPORARY CRASH CUSHION ARRAY TYPE TS14 PER CALTRANS STANDARD PLAN T2.
- ④ WET SANDBLAST AND REMOVE CONFLICTING STRIPE.
- ⑤ PAINT 6" DOUBLE YELLOW CENTERLINE STRIPES PER CALTRANS STANDARD PLAN A20A, DETAIL 22.
- ⑥ PAINT 6" WHITE RIGHT EDGE STRIPE PER CALTRANS STANDARD PLAN A20B DETAIL 27B.
- ⑦ REMOVE ROADSIDE SIGN (THIS PHASE). REINSTALL WHEN CONFLICTING WORK COMPLETED.
- ⑧ REMOVE TEMPORARY PAVEMENT.

GENERAL NOTES:

1. ALL STRIPING AND MARKING SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS,
2. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2014 REVISION 5 EDITION.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES EXCEPT AS INDICATED ON THESE PLANS.
4. ALL CONFLICTING STRIPING SHALL BE REMOVED. BLACK-OUT PAINT WILL NOT BE ALLOWED.
5. ALL SIGNS SHALL BE RETROREFLECTIVE SHEETING AND STANDARD SIZE.
6. ALL TEMPORARY CHANNELIZERS SHALL BE 36" MINIMUM AND SURFACE MOUNTED PER CALTRANS STANDARD PLAN A73C AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.

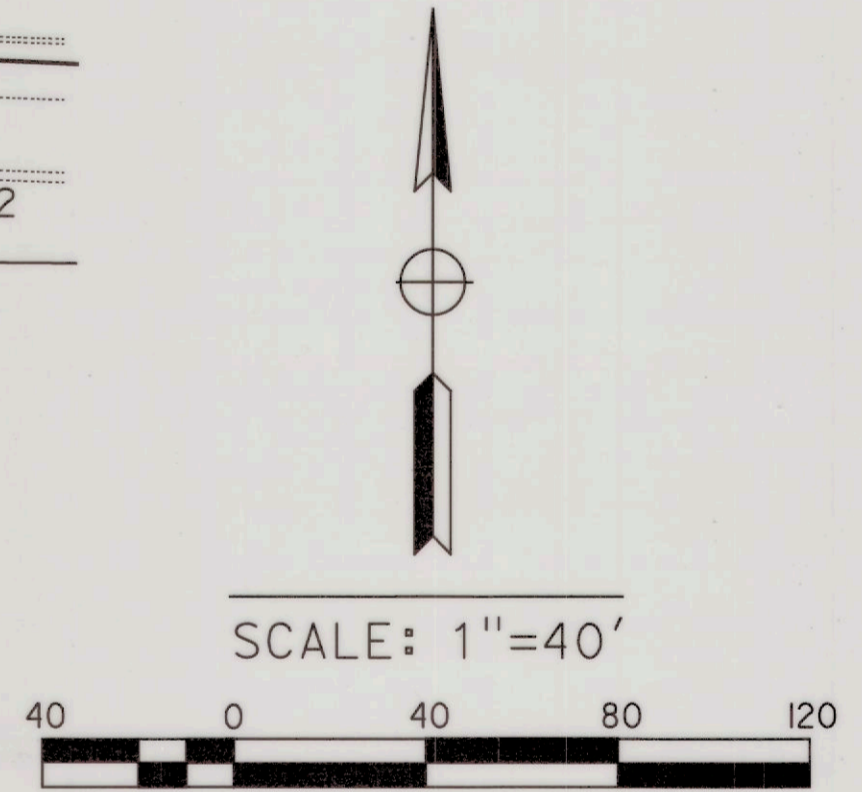
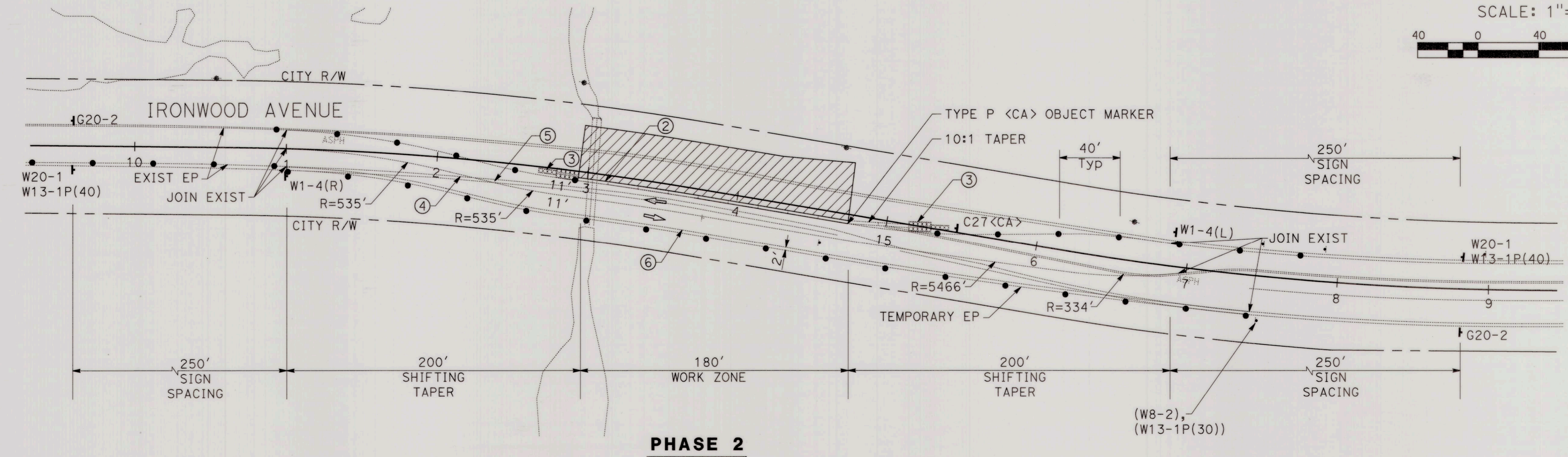
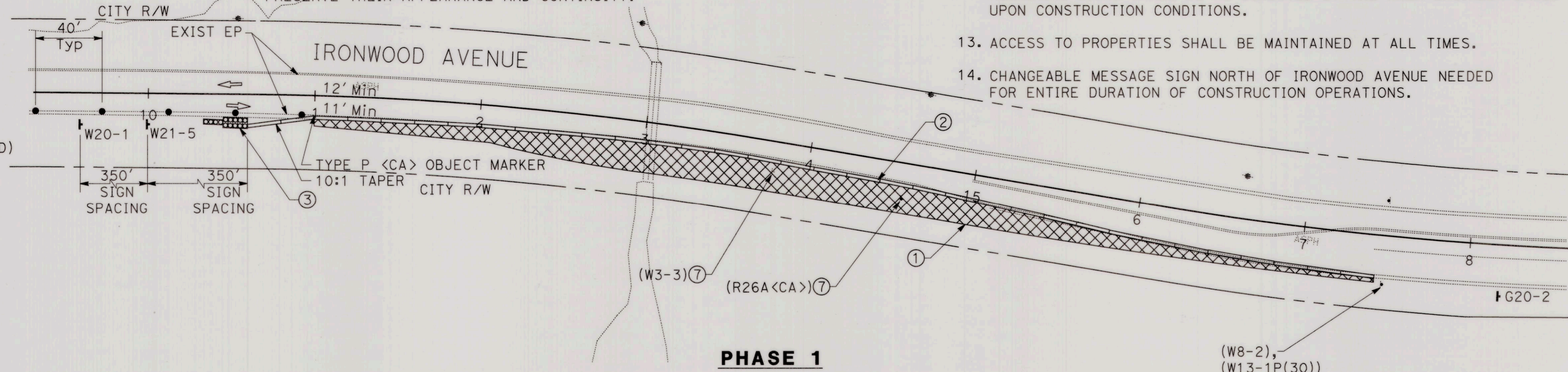
7. ONLY THE TEMPORARY CHANNELIZER DEVICES SPECIFIED, IN ABOVE GENERAL NOTE #6 SHALL BE USED ON THIS PROJECT.
8. THE CONTRACTOR SHALL MAINTAIN ON A 24-HOUR BASIS ALL SIGNS, CHANNELIZERS, BARRICADES, ETC., TO INSURE PROPER FLOW.
9. THE CONTRACTOR SHALL HAVE ALL SIGNS, CHANNELIZERS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
10. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS. SEE SPECIFICATIONS FOR CALVARY CHAPEL REQUIREMENTS.
11. THESE PLANS INDICATE VEHICULAR TRAFFIC CONTROL IN THE WORK AREA DURING CONSTRUCTION ACTIVITY. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS, CHANGEABLE MESSAGE SIGNS, OR BARRICADING MAY BE REQUIRED IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO PUBLIC AT ALL TIMES DURING CONSTRUCTION.
12. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGN(S) (C27<CA>) AND REMAINING SIGNS SHALL BE AS DIRECTED BY THE AREA ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
13. ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
14. CHANGEABLE MESSAGE SIGN NORTH OF IRONWOOD AVENUE NEEDED FOR ENTIRE DURATION OF CONSTRUCTION OPERATIONS.

LEGEND:

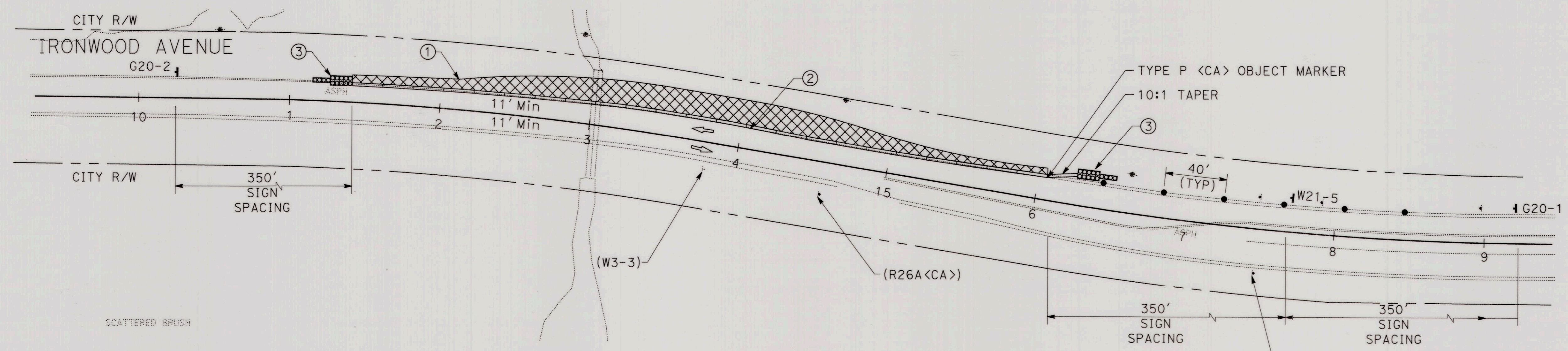
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC, NOT A PAVEMENT STRIPING
- CHANNELIZER (SURFACE MOUNTED)
- EXISTING STRIPING
- PROPOSED STRIPING
- TEMPORARY RAILING (TYPE K)
- TEMPORARY CRASH CUSHION ARRAY TYPE TS14
- CONSTRUCTION AREA SIGN
- (XX) EXISTING SIGN TO REMAIN

SIGN LEGEND:

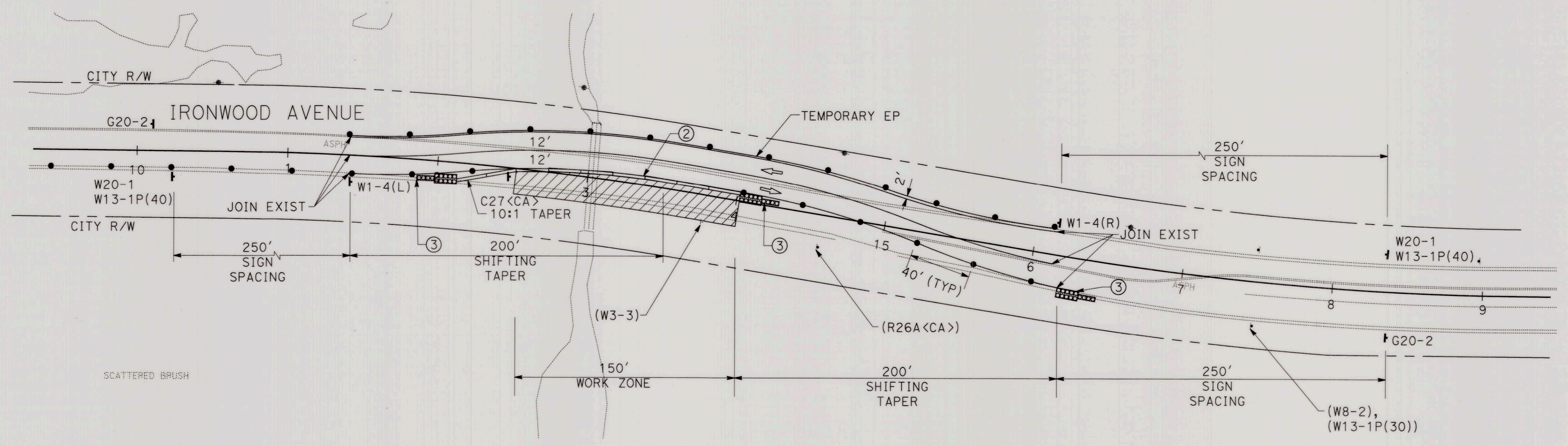
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G20-2	C27<CA>
W1-4(R)	W1-4(L)
W21-5	



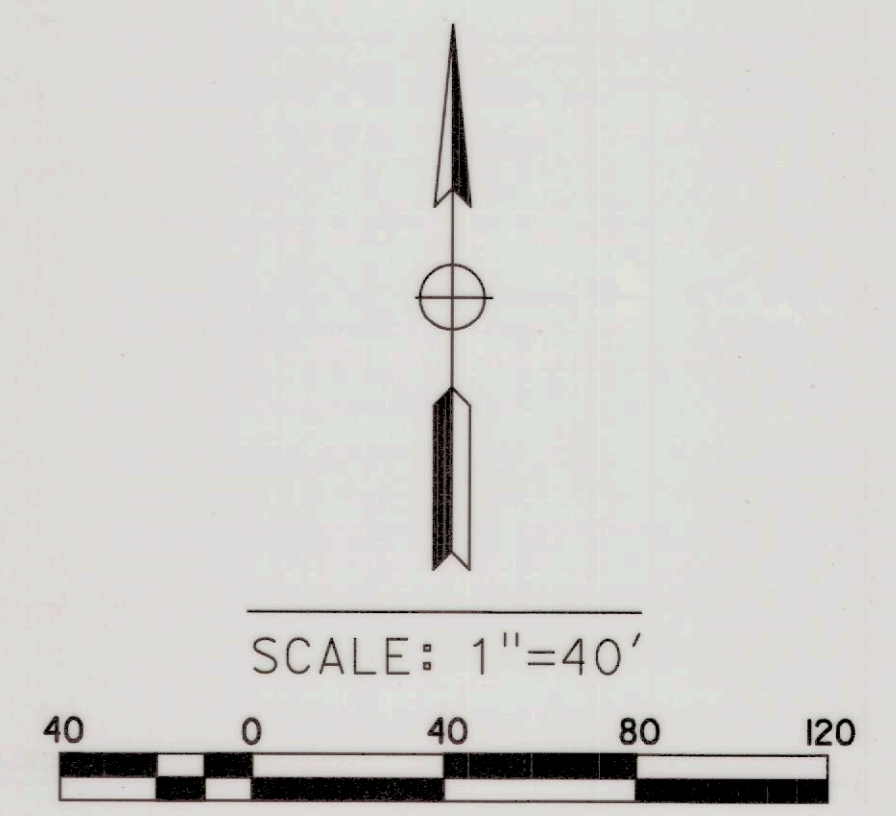
 CALL TOLL FREE 1-800-227-2600 2 Working Days Before You Dig	BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	BENCH MARK: B.M. NO. 3276 N=2286653.999 E=6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (INGVD-29)	CITY OF MORENO VALLEY APPROVALS	APPROVED BY: <i>Henry Ngo</i> 1/20/21 CITY TRAFFIC ENGINEER MAINTENANCE AND OPERATIONS MANAGER SENIOR ENGINEER: <i>M.L. Wolfe</i> 1/21/21 RECOMMENDED: HENRY Q. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 98590 APPROVED: MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 89623	PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 TEL: (949) 333-4500	PREPARED UNDER SUPERVISION OF: <i>Kevin Michalski</i> 12/16/20 ENGINEER OF RECORD'S SEAL: KEVIN MICHALSKI, P.E. R.C.E. 67282	TRAFFIC CONTROL PLANS MORENO MDP LINE K-1 STORM DRAIN IRONWOOD AVENUE	ACC. No. SHEET <u>2</u> OF <u>8</u> PROJECT NO. 801 0021
	DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____							



PHASE 3



PHASE 4

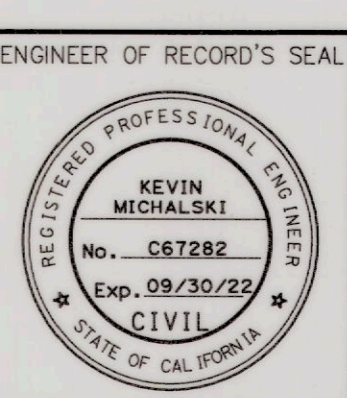


BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	BENCH MARK: B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19.12.1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)		
MARK	REVISIONS	APPR	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF MORENO VALLEY APPROVALS			
APPROVED BY	DATE	BY	RECOMMENDED:
CITY TRAFFIC ENGINEER	1/20/21	JAK	HENRY G. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58590
MAINTENANCE AND OPERATIONS MANAGER			APPROVED:
SENIOR ENGINEER	1/7/21	MMW	MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623

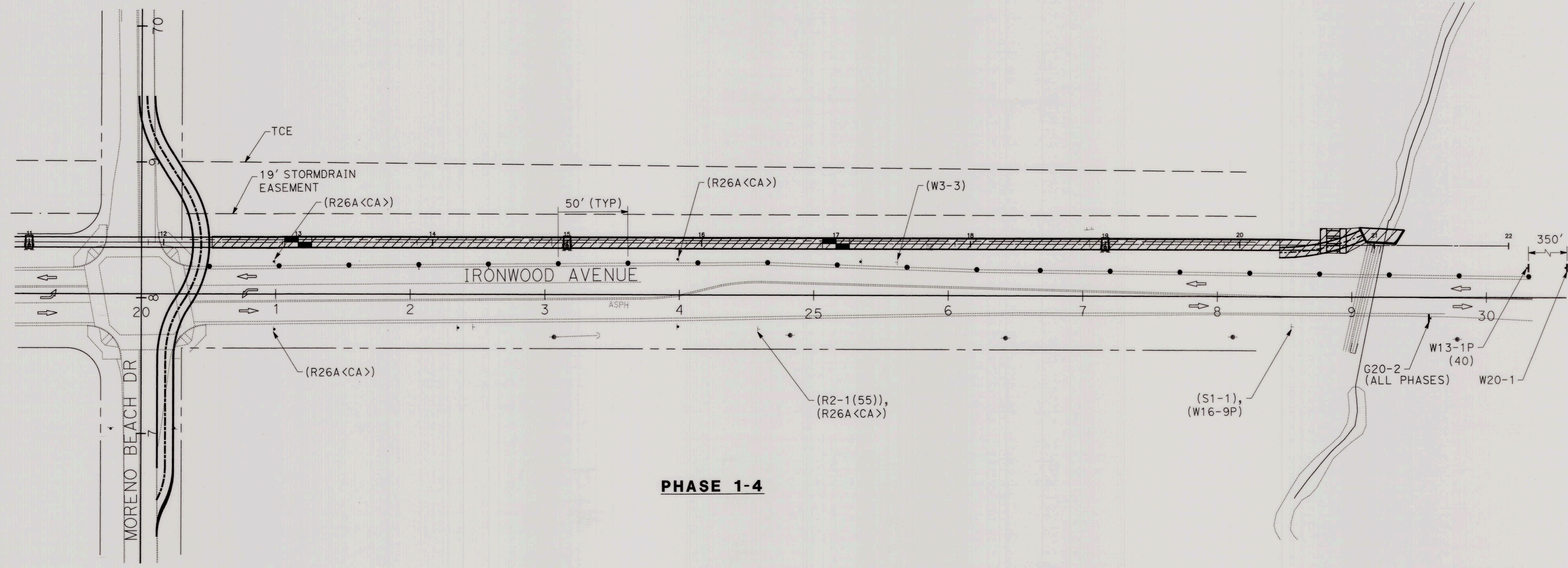
PARSONS
2201 DUPONT DRIVE,
SUITE 200
IRVINE, CALIFORNIA 92612
TEL: (949) 333-4500

PREPARED UNDER SUPERVISION OF
ENGINEER OF RECORD'S SEAL
KEVIN MICHALSKI, P.E.
R.C.E. 67282
12/16/20

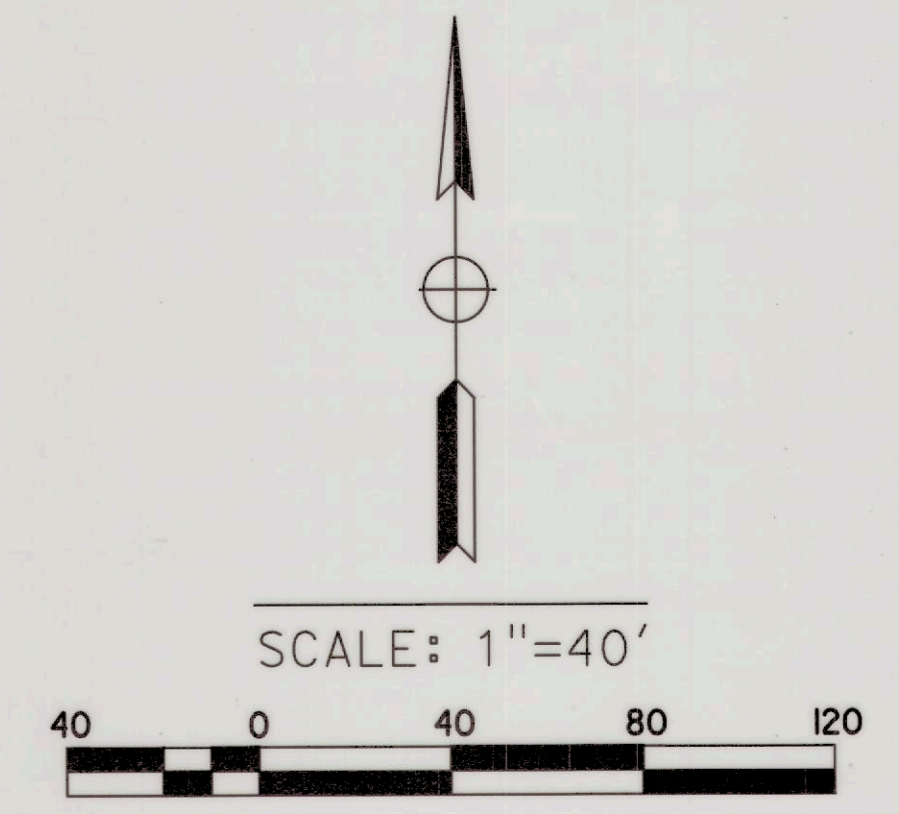


TRAFFIC CONTROL PLANS
MORENO MDP LINE K-1
STORM DRAIN
IRONWOOD AVENUE

ACC. No.	SHEET 3 OF 8
	PROJECT NO. 801 0021



PHASE 1-4



BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.	BENCH MARK: B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19J2, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)
--	--

MARK	REVISIONS	APPR	DATE

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

CITY OF MORENO VALLEY APPROVALS		
APPROVED BY	DATE	BY
CITY TRAFFIC ENGINEER	1/20/21	JAK
MAINTENANCE AND OPERATIONS MANAGER		
SENIOR ENGINEER	1/21/21	MAL

PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CALIFORNIA 92612
TEL: (949) 333-4500

RECOMMENDED: *Henry Ngo* 1/20/21
HENRY Q. NGO, P.E.
PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER
R.C.E. 58590

APPROVED: *Michael L. Wolfe* 1/21/21
MICHAEL L. WOLFE, P.E.
PUBLIC WORKS DIRECTOR/CITY ENGINEER
R.C.E. 66623

PREPARED UNDER SUPERVISION OF

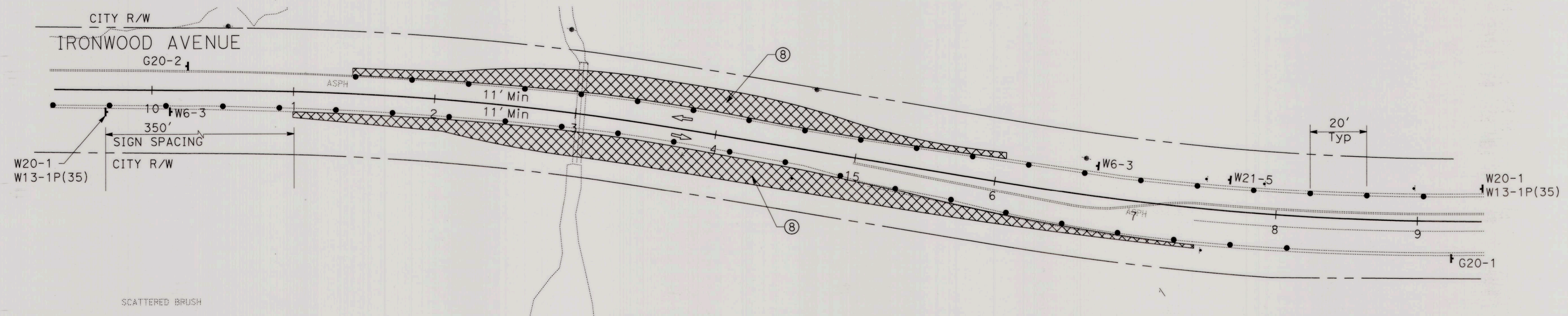
Kevin Michalski 12/16/20
KEVIN MICHALSKI, P.E.
R.C.E. 67282

ENGINEER OF RECORD'S SEAL

TRAFFIC CONTROL PLANS

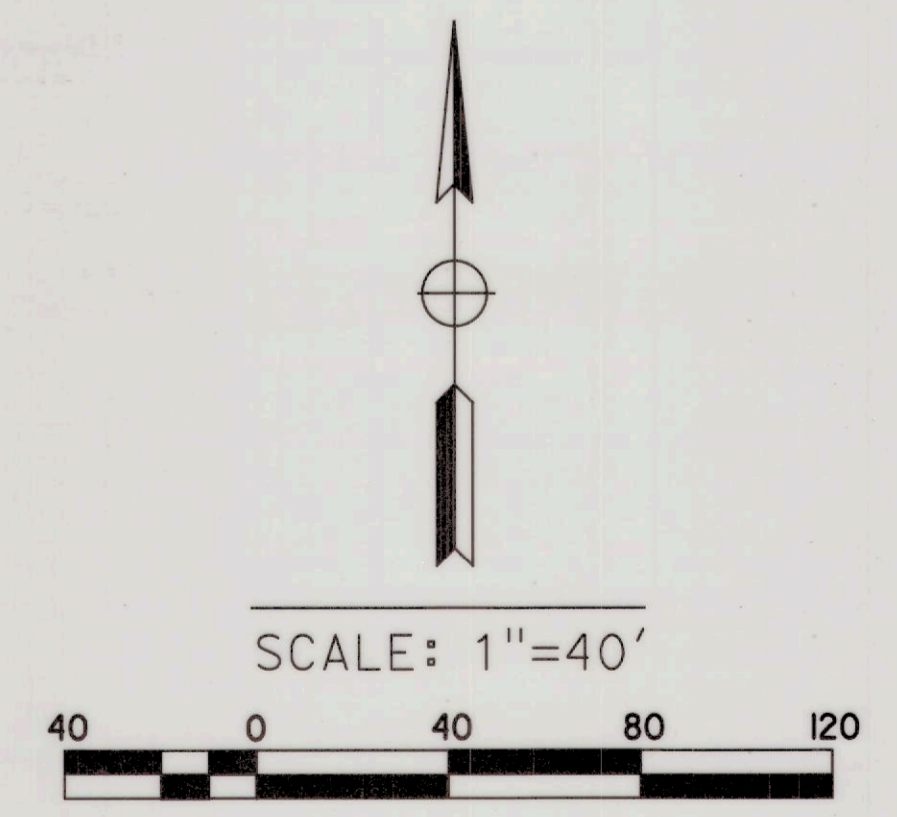
MORENO MDP LINE K-1
STORM DRAIN
IRONWOOD AVENUE

ACC. No.
SHEET 4 OF 8
PROJECT NO. 801 0021



SCATTERED BRUSH

PHASE 5



BASIS OF BEARINGS:
REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.

BENCH MARK:
B.M. NO. 3276
N:2286653.999 E:6280061.292
FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19J2, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH
1805.36 EL. (NGVD-29)

MARK	REVISIONS	APPR	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF MORENO VALLEY APPROVALS			
APPROVED BY	DATE	BY	RECOMMENDED:
CITY TRAFFIC ENGINEER	1/20/21	JAK	Hanrygo 1/20/21
MAINTENANCE AND OPERATIONS MANAGER			
SENIOR ENGINEER	1/7/21	MAL	APPROVED: Mt Wolfe 1/21/21

PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CALIFORNIA 92612
TEL: (949) 333-4500

PREPARED UNDER SUPERVISION OF
KEVIN MICHALSKI, P.E.
R.C.E. 67282
DATE 12/16/20



TRAFFIC CONTROL PLANS
MORENO MDP LINE K-1
STORM DRAIN
IRONWOOD AVENUE

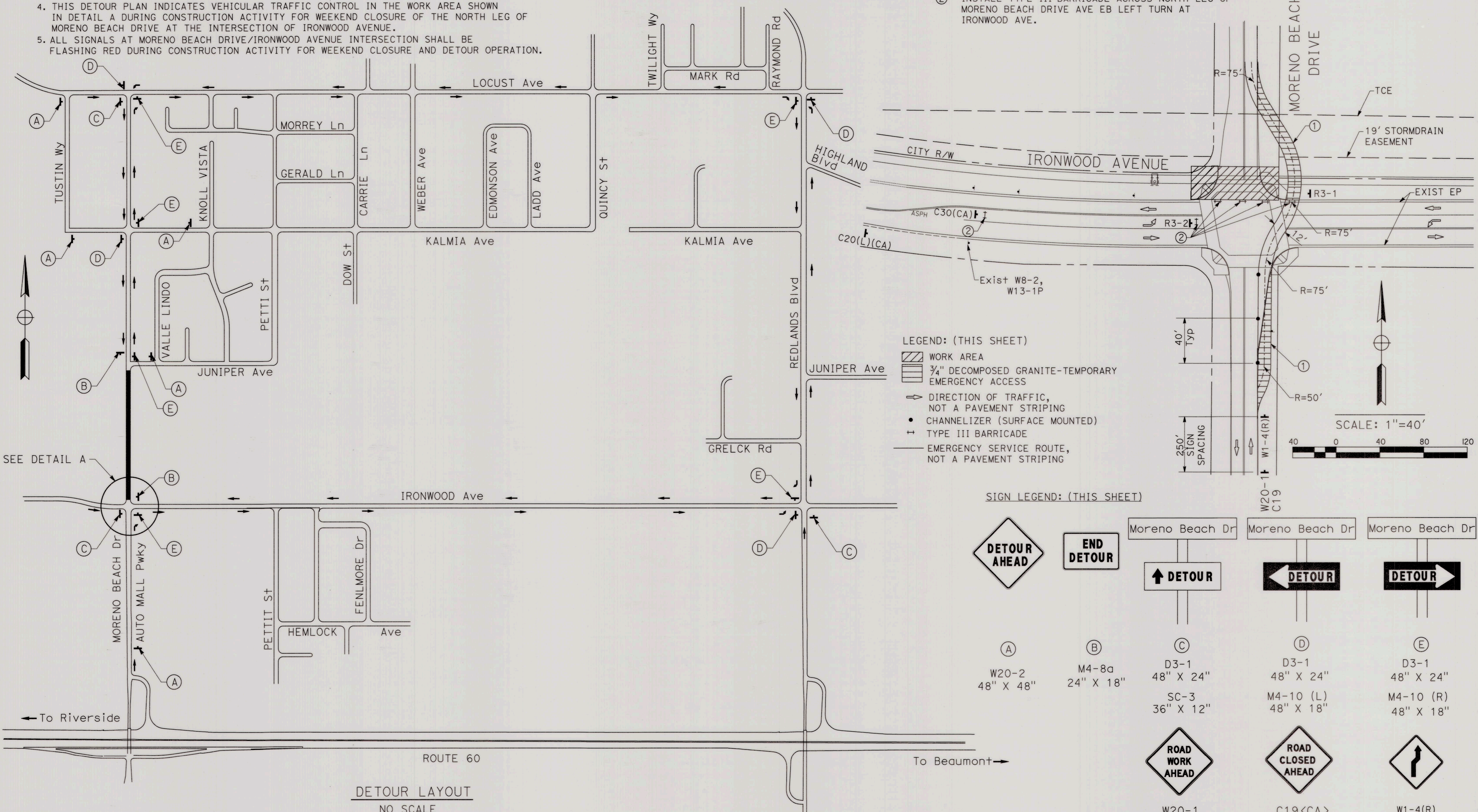
ACC. No. SHEET 5 OF 8 PROJECT NO. 801 0021

GENERAL NOTES:

1. EXACT LOCATION OF DETOUR SIGNS TO BE DETERMINED BY THE ENGINEER.
2. SIGNS SHALL BE LOCATED APPROXIMATELY 100' AWAY FROM THE INTERSECTION.
3. SEE TEMPORARY SIGNAL PLANS FOR WORK WITHIN WORK AREA.
4. THIS DETOUR PLAN INDICATES VEHICULAR TRAFFIC CONTROL IN THE WORK AREA SHOWN IN DETAIL A DURING CONSTRUCTION ACTIVITY FOR WEEKEND CLOSURE OF THE NORTH LEG OF MORENO BEACH DRIVE AT THE INTERSECTION OF IRONWOOD AVENUE.
5. ALL SIGNALS AT MORENO BEACH DRIVE/IRONWOOD AVENUE INTERSECTION SHALL BE FLASHING RED DURING CONSTRUCTION ACTIVITY FOR WEEKEND CLOSURE AND DETOUR OPERATION.

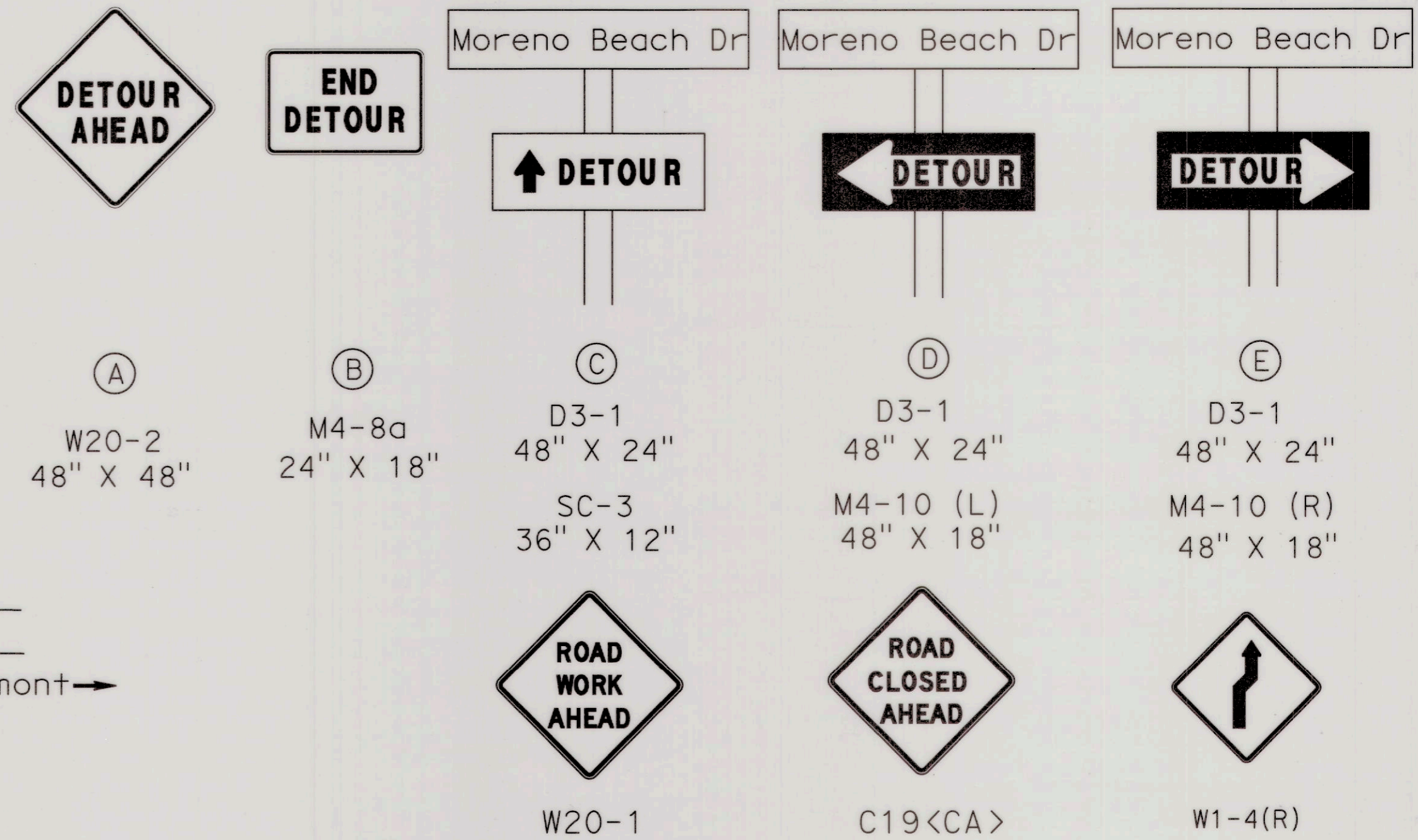
CONSTRUCTION NOTES: (THIS SHEET)

- ① CONSTRUCT TEMPORARY EMERGENCY ACCESS ROAD WITH 3/4" DECOMPOSED GRANITE, 2" THICK.
- ② INSTALL TYPE III BARRICADE ACROSS NORTH LEG OF MORENO BEACH DRIVE AVE EB LEFT TURN AT IRONWOOD AVE.



- LEGEND: (THIS SHEET)**
- WORK AREA
 - 3/4" DECOMPOSED GRANITE-TEMPORARY EMERGENCY ACCESS
 - DIRECTION OF TRAFFIC, NOT A PAVEMENT STRIPING
 - CHANNELIZER (SURFACE MOUNTED)
 - TYPE III BARRICADE
 - EMERGENCY SERVICE ROUTE, NOT A PAVEMENT STRIPING

SIGN LEGEND: (THIS SHEET)

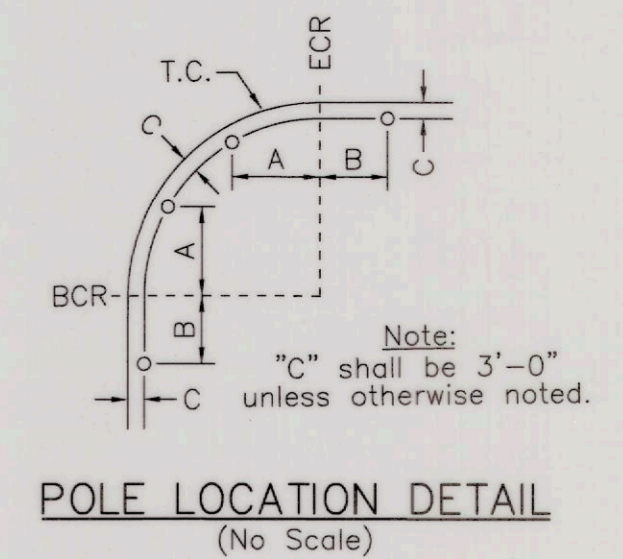
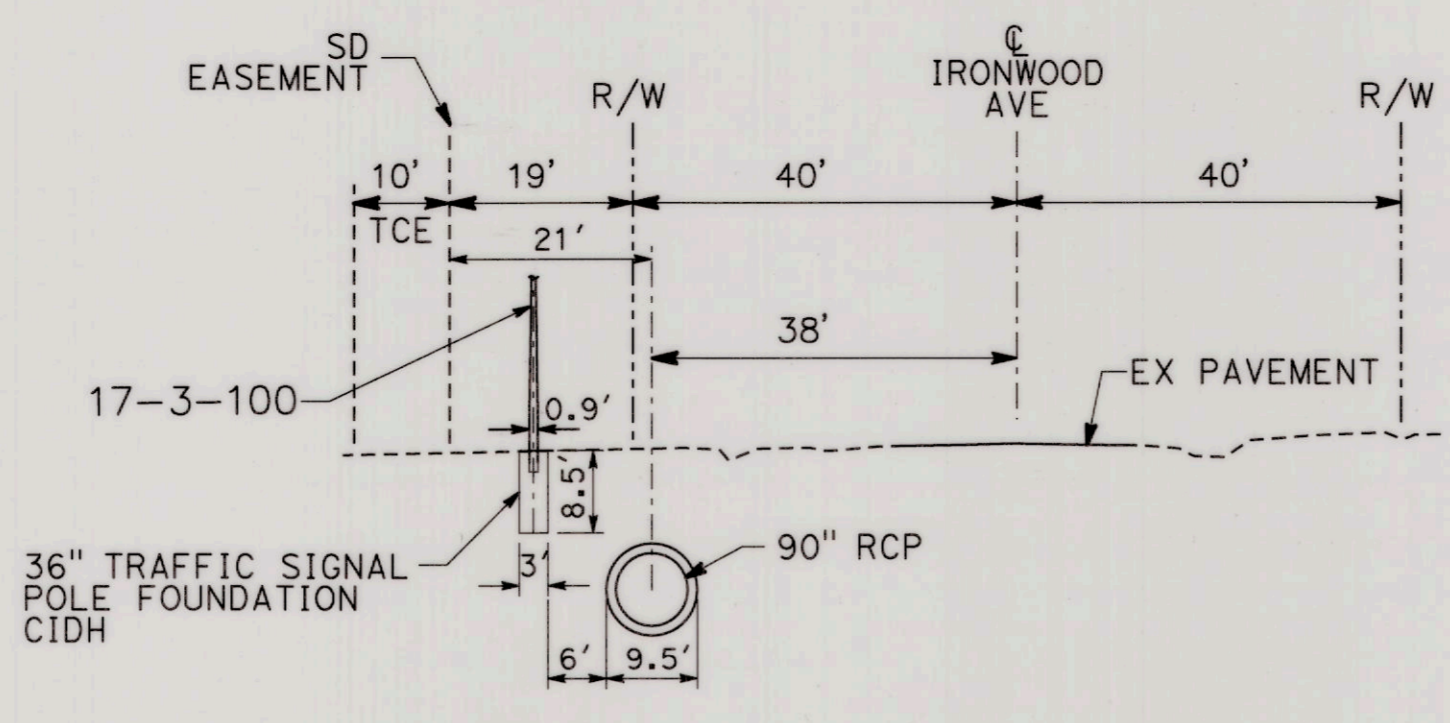


DETOUR LAYOUT
NO SCALE

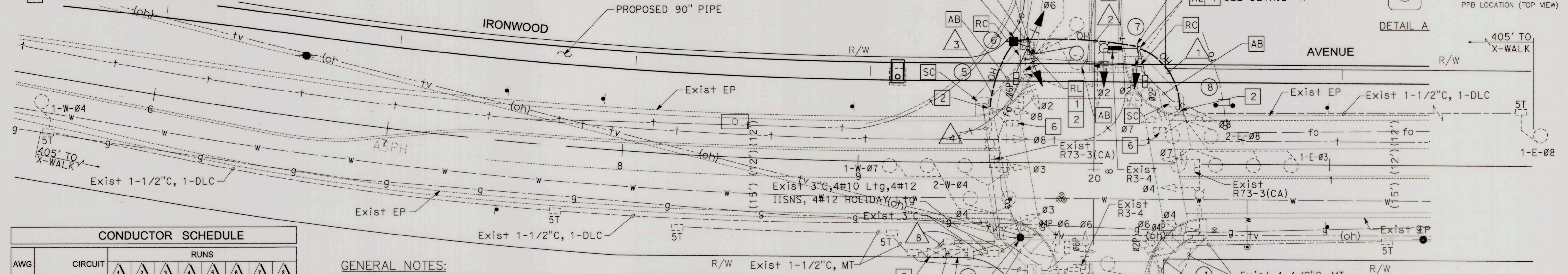
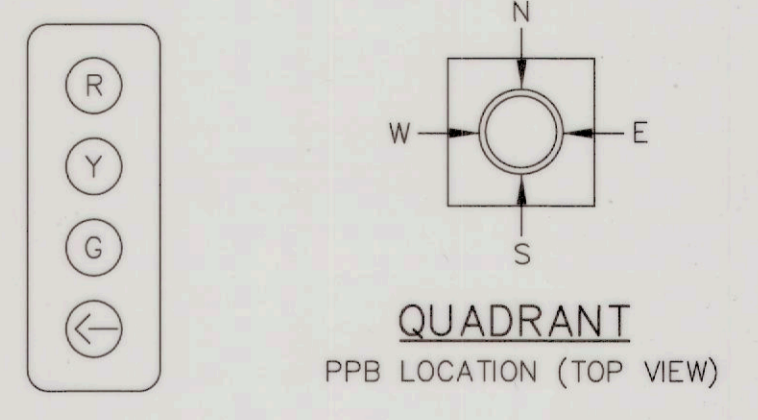
<p>CALL TOLL FREE 1-800-227-2600 2 Working Days Before You Dig</p>	<p>BASIS OF BEARINGS:</p> <p>REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.</p>	<p>BENCH MARK:</p> <p>B.M. NO. 3276 N:2286653.999 E:6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19J2, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)</p>	<p>CITY OF MORENO VALLEY APPROVALS</p> <table border="1"> <tr> <th>APPROVED BY</th> <th>DATE</th> <th>BY</th> <th>RECOMMENDED:</th> </tr> <tr> <td>CITY TRAFFIC ENGINEER</td> <td>1/20/24</td> <td>[Signature]</td> <td>HENRY Q. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58990</td> </tr> <tr> <td>MAINTENANCE AND OPERATIONS MANAGER</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SENIOR ENGINEER</td> <td>1/21/24</td> <td>[Signature]</td> <td>MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623</td> </tr> </table>		APPROVED BY	DATE	BY	RECOMMENDED:	CITY TRAFFIC ENGINEER	1/20/24	[Signature]	HENRY Q. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58990	MAINTENANCE AND OPERATIONS MANAGER				SENIOR ENGINEER	1/21/24	[Signature]	MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623	<p>PARSONS</p> <p>2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 TEL: (949) 333-4500</p>	<p>PREPARED UNDER SUPERVISION OF</p> <p>[Signature]</p> <p>KEVIN MICHALSKI, P.E. R.C.E. 67282</p> <p>12/16/20</p>	<p>ENGINEER OF RECORD'S SEAL</p>	<p>TRAFFIC CONTROL & DETOUR PLANS</p> <p>MORENO MDP LINE K-1 STORM DRAIN IRONWOOD AVENUE</p>	<p>ACC. No.</p> <p>SHEET 6 OF 8 PROJECT NO. 801 0021</p>
	APPROVED BY	DATE	BY	RECOMMENDED:																					
CITY TRAFFIC ENGINEER	1/20/24	[Signature]	HENRY Q. NGO, P.E. PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER R.C.E. 58990																						
MAINTENANCE AND OPERATIONS MANAGER																									
SENIOR ENGINEER	1/21/24	[Signature]	MICHAEL L. WOLFE, P.E. PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. 65623																						

CONSTRUCTION NOTES:

- 1 RELOCATE EXISTING TRAFFIC SIGNAL POLE AND EQUIPMENT ONTO NEW FOUNDATION. REMOVE EXISTING FOUNDATION COMPLETELY.
- 2 STRAP 2" CONDUIT RISER TO POLE FOR ROUTING OF TEMPORARY CABLES / WIRES.
- 3 REUSE EXISTING 8 PHASE TYPE 90 CONTROLLER IN TYPE P CABINET.
- 4 REUSE EXISTING 120/240 VOLT DUAL METER TYPE III-CF MODEL# MEUG 35-PBD SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING 120V CIRCUIT BREAKERS: ON TC-1 METER: 50 AMP. (FOR TRAFFIC SIGNAL), 25 AMP. (FOR IISNS), AND 20 AMP. (FOR HOLIDAY DECO.)
ON LS-3 METER: 30 AMP. (FOR INTERSECTION LIGHTING)
EXIST TYPE III PE CONTROLS IN SERVICE EQUIPMENT ENCLOSURE.
- 5 INSTALL TEMPORARY WOOD POLE.
- 6 COVER EQUIPMENT.
- 7 INSTALL SIGN PANEL AS NOTED.



DETECTOR SCHEDULE				
SENSOR NO.	CHANNEL	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1	1-S-02	1	CALL/HOLD
	2	2-S-02	4	NORMAL
2	1	1-N-06	1	CALL/HOLD
	2	2-N-06	4	NORMAL
3	1	1-W-04	1	CALL/HOLD
	2	2-W-04	2	NORMAL
4	1	1-W-07	4	NORMAL
	2	1-E-08	1	CALL/HOLD
5	1	2-E-08	2	NORMAL
	2	1-E-03	4	NORMAL



CONDUCTOR SCHEDULE

AWG	CIRCUIT	RUNS							
		1	2	3	4	5	6	7	8
02		3(N)	3(N)	3		3	3	6	
03				3				6	
04				3(N)	3	3	3	6	
06				3(N)	3	3	3	6	
07		3(N)	3(N)	3(N)	3	3	3	3	
08		3(N)	3(N)	3(N)	3			3	
02 PED				2(N)	2	2	2	4	
04 PED				2(N)	2	2	2	4	
08 PED				2(N)	2			2	
08 PED		2(N)	2(N)	2(N)	2			2	
02 PPB		1(N)	1(N)	1(N)	1	1	1	1	2
04 PPB								1	
06 PPB					1			2	
08 PPB								1	
02 BPB						1	1	1	1
04 BPB								1	
06 BPB								1	
08 BPB		1(N)	1(N)	1(N)	1	1	1	1	2
PPB COMMON		1(N)	1(N)	1(N)	1	1	1	1	2
BPB COMMON		1(N)	1(N)	1(N)	1	1	1	1	2
SPARES		3(N)	3(N)	3(N)	3	3	3	3	6
TOTAL		15(N)	21(N)	27(N)	31	13	24	26	64
HOLIDAY DECO.		2(N)	2(N)	2	2	2	2	2	
IISNS		2(N)	2(N)	2	2	2	2	2	
TOTAL #12		4(N)	4(N)	4	4	4	4	4	
SIGNAL COMMON		1(N)	1(N)	1(N)	1	1	1	1	2
LUMINAIRE		2(N)	2(N)	2	2	2	2	2	
TOTAL #10		1(N)	3(N)	3(N)	3	3	3	3	2
VEH DET 02								2	2
VEH DET 03		1(N)	1(N)	1(N)	1				1
VEH DET 04									2
VEH DET 05					2(N)	2			2
VEH DET 07									1
VEH DET 08		2(N)	2(N)	2(N)	2				2
TOTAL DLC		3(N)	3(N)	5(N)	5			2	10
MODEL 136 OPTICOM CABLE		1	1	2	1	1	2	4	
CONDUIT SIZE		OH	OH	OH	3"	3"	3"	3"	2-4"

GENERAL NOTES:

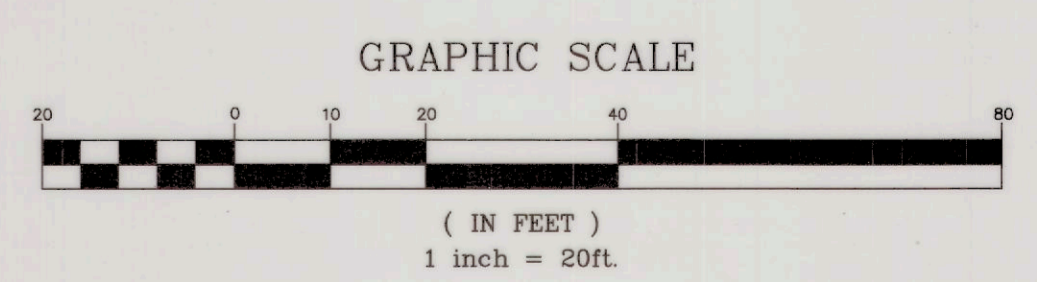
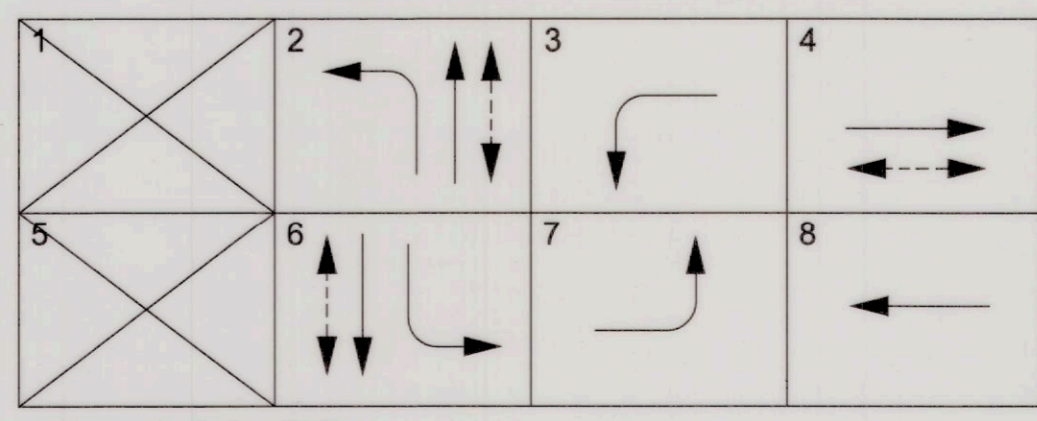
1. ALL TRAFFIC SIGNAL WORK AND MATERIAL SHALL CONFORM TO THE 2014 CA MUTCD, THE STANDARD PLANS AND SPECIFICATION (2018) OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE SPECIAL PROVISIONS OF THIS PROJECT.
2. EXACT EQUIPMENT AND DETECTOR LOOP INDICATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY THE CONTRACTOR.
3. ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED TURN ON.
4. ALL PULL BOXES SHALL BE NO. 6 TRAFFIC PULL BOX UNLESS NOTED OTHERWISE HEREON.
5. ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL WITH FULL CIRCLE VISORS. ALL LENSES SHALL BE LED, INCLUDING THE PED INDICATIONS. (SEE SPECIAL PROVISIONS FOR DETAILS). LEFT TURN HEADS SHALL HAVE RED, YELLOW AND GREEN LED ARROWS. ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN INDICATIONS SHALL BE INTERNATIONAL SYMBOL TYPE "C".
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
7. UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6"-ROUND (4 TURNS OF WIRE, SEALED WITH HOT RUBBER SEALER) WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTOR LOOPS.
8. SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
9. PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND LOCATED ON THE SIDE OF SIGNAL STANDARD NEAREST TO THE CROSSWALK.
10. ALL MAST ARM STANDARDS SHALL HAVE A 120-VOLT, SINGLE WATERPROOF ELECTRICAL OUTLET AND SHALL BE INSTALLED ON THE STANDARD 12 INCHES ABOVE THE SIGNAL ARM ON THE MAST ARM SIDE OF THE POLE.
11. CONTRACTOR SHALL MAINTAIN SAFE PASSAGE FOR DISABLED PERSONS AND PEDESTRIAN WITHIN PROJECT SITE. CONTRACTOR SHALL PROVIDE WELL-MARKED ACCESS AROUND CONSTRUCTION AREA. ALL CURB RAMPS AND SIDEWALK SHALL BE CONSTRUCTED AND OPENED TO PEDESTRIANS WITHIN 72 HOURS OF REMOVALS.
12. ALL TRAVEL LANES TO REMAIN OPEN BETWEEN 7:00 AM TO 8:30 AM AND AFTER 4:00 PM, ALL OTHER WORK HOURS, ONE LANE OF TRAFFIC IN EACH DIRECTION IS TO REMAIN OPEN.
13. CONTRACTOR MUST COORDINATE WITH THE CITY'S SPECIAL DISTRICT ADMINISTRATION DIVISION AND PROPERTY OWNERS' OR HOME OWNERS' ASSOCIATION PRIOR TO ANY WORK IN THE PARKWAY AREA IN REGARDS TO RESTORATION OF LANDSCAPING AND IRRIGATION SYSTEM.

POLE SCHEDULE

No.	TYPE	HT.	SIGNAL	M.A.	LUMINAIRE	H.P.S. WATTS	VEH SIG MTG		PED SIG MTG	PPB	BPB	STREET NAME SIGN	POLE LOC.			REMARKS
							M.A. LENGTH	M.A. WATTS					A	B	C	
1	19-4-100	30'	30'	15'	250W	MAS MAT	SV-1-T	SP-1-T	2	W	-	Moreno Beach	(E)	-	(E)	
2	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	4	N	2	W	-	-	(E)	
3	17-3-100	30'	15'	15'	250W	MAS-4B	SV-1-T	SP-1-T	4	N	-	Ironwood	(E)	-	(E)	
4	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	6	E	4	N	-	-	(E)	
5	19-4-100	30'	25'	15'	250W	MAS MAT	SV-1-T	SP-1-T	6	E	-	Moreno Beach	(E)	-	(E)	
6	1-A(R)	10'	-	-	-	-	TV-2-T(R)	SP-1-T(R)	8	S	6	E	-	-	2.4' - 3'	
7	17-3-100(R)	30'	15'	15'	250W(R)	MAS-4B(R)	SV-1-T(R)	SP-1-T(R)	8	S	-	Ironwood	-	-	3.4' 6.5'	
8	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	2	W	8	S	-	-	(E)	

ALL EQUIPMENT EXISTING UNLESS NOTED OTHERWISE:
(R) = RELOCATE, (E) = EXISTING, ● = COVER

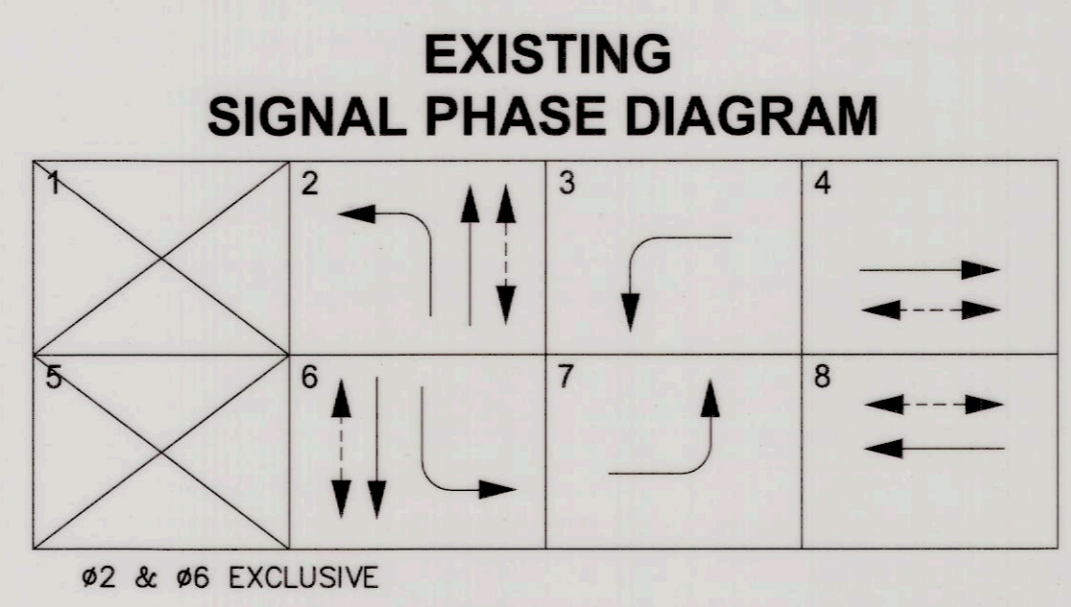
EXISTING SIGNAL PHASE DIAGRAM



<p>CALL TOLL FREE 1-800-227-2600 2 Working Days Before You Dig</p>	<p>BASIS OF BEARINGS:</p> <p>REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.</p>	<p>BENCH MARK:</p> <p>B.M. NO. 3276 N2286653.999 E6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-1912, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)</p>	<p>CITY OF MORENO VALLEY APPROVALS</p> <p>APPROVED BY: <i>Henry</i> DATE: 1/20/21 CITY TRAFFIC ENGINEER</p> <p>RECOMMENDED: <i>M.L. Wolfe</i> DATE: 1/20/21 PUBLIC WORKS CAPITAL PROJECTS DIVISION MANAGER</p> <p>APPROVED: <i>M.L. Wolfe</i> DATE: 1/20/21 SENIOR ENGINEER</p>		<p>PREPARED UNDER SUPERVISION OF</p> <p><i>Kevin Michalski</i> DATE: 12/16/20 ENGINEER OF RECORD'S SEAL</p>	<p>TRAFFIC SIGNAL TEMPORARY PLAN</p> <p>ACC. No.</p>
	<p>2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 TEL: (949) 333-4500</p> <p>PARSONS</p>	<p>MORENO BEACH DRIVE AT IRONWOOD AVENUE</p>		<p>SHEET 7 OF 8 PROJECT NO. 801 0021</p>		

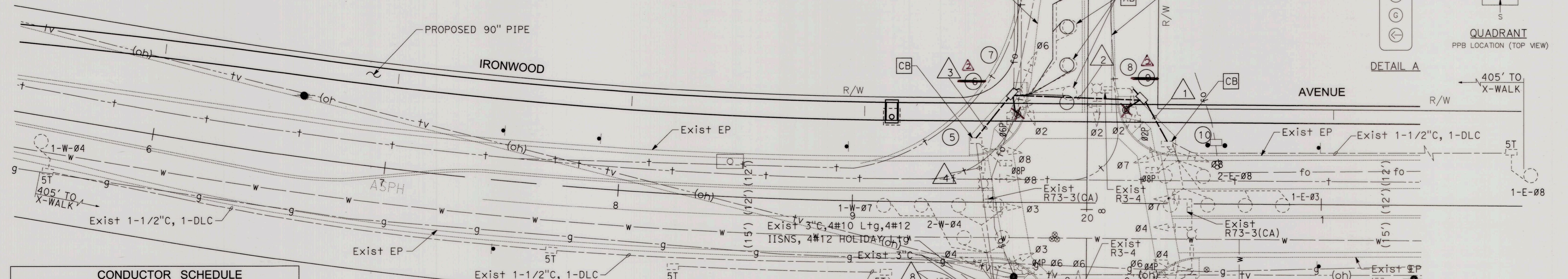
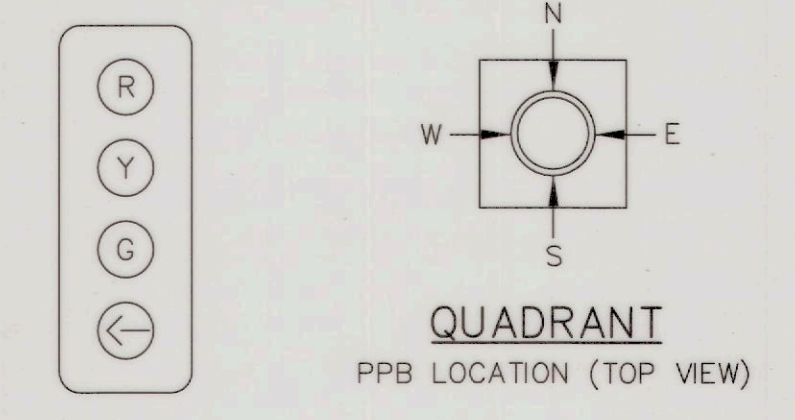
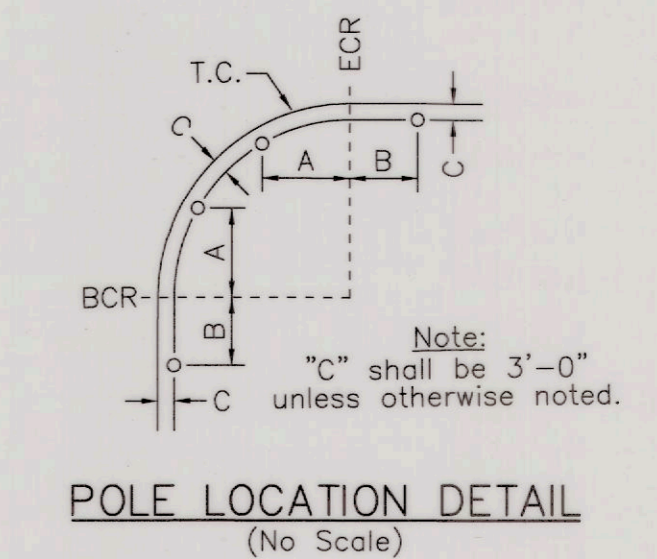
CONSTRUCTION NOTES:

- REUSE EXISTING 8 PHASE TYPE 90 CONTROLLER IN TYPE P CABINET.
- REUSE EXISTING 120/240 VOLT DUAL METER TYPE III-CF MODEL# MEUG 35-PBD SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING 120V CIRCUIT BREAKERS: ON TC-1 METER: 50 AMP. (FOR TRAFFIC SIGNAL), 25 AMP. (FOR IISNS), AND 20 AMP. (FOR HOLIDAY DECO.) ON LS-3 METER: 30 AMP. (FOR INTERSECTION LIGHTING) Exist TYPE III PE CONTROLS IN SERVICE EQUIPMENT ENCLOSURE.



DETECTOR SCHEDULE

SENSOR NO.	CHANNEL	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1	1-S-02	1	CALL/HOLD
1	2	2-S-02	4	NORMAL
2	1	1-N-06	1	CALL/HOLD
2	2	2-N-06	4	NORMAL
3	1	1-W-04	1	CALL/HOLD
3	2	2-W-04	2	NORMAL
4	1	1-E-08	1	CALL/HOLD
4	2	2-E-08	2	NORMAL
5	2	1-E-03	4	NORMAL



CONDUCTOR SCHEDULE

AWG	CIRCUIT	RUNS							
		1	2	3	4	5	6	7	8
02		3(N)	3(N)	3(N)		3	3	3,3(N)	
03				3(N)				3,3(N)	
04						3	3	3	6
06				3(N)	3(N)			3,3(N)	
07		3(N)	3(N)	3(N)	3(N)	3	3	3,3(N)	
08		3(N)	3(N)	3(N)	6(N)			6(N)	
02 PED		2(N)	2(N)	2(N)		2	2	2,2(N)	
04 PED						2	2	2	4
06 PED				2(N)	2(N)			2,2(N)	
08 PED		2(N)	2(N)	2(N)	4(N)			4(N)	
02 PPB		1(N)	1(N)	1(N)	1(N)	1	1	1,1(N)	
04 PPB						1	1	1	1
06 PPB				1(N)				1,1(N)	
08 PPB		1(N)	1(N)	1(N)				1(N)	
02 BPB						1	1	1	1
04 BPB								1	
06 BPB				1(N)	1(N)			1(N)	
08 BPB		1(N)	1(N)	1(N)	1(N)			1(N)	
PPB COMMON		1(N)	1(N)	1(N)	1(N)	1	1	1,1(N)	
BPB COMMON		1(N)	1(N)	1(N)	1(N)	1	1	1,1(N)	
SPARES		3(N)	3(N)	3(N)	3(N)	3	3	3,3(N)	
TOTAL		15(N)	21(N)	27(N)	36(N)	14	24	26	36,36(N)
HOLIDAY DECO.		2(N)	2(N)	2	2	2	2	2	
IISNS		2(N)	2(N)	2	2	2	2	2	
TOTAL #12		4(N)	4(N)	4	4	4	4	4	
SIGNAL COMMON		1(N)	1(N)	1(N)	1	1	1	1	2
LUMINAIRE		2(N)	2(N)	2	2	2	2	2	
TOTAL #10		1(N)	3(N)	3(N)	3	3	3	3	2
VEH DET 02						2	2	2	
VEH DET 03		1(N)	1(N)	1(N)	1(N)			1(N)	
VEH DET 04								2	
VEH DET 05				2(N)	2(N)			2(N)	
VEH DET 07								1	
VEH DET 08		2(N)	2(N)	2(N)	2(N)			2(N)	
TOTAL DLC		3(N)	3(N)	5(N)	5(N)	2	2	5,5(N)	
MODEL 136 OPTICOM CABLE		1(N)	1(N)	2	1	1	2	4	
CONDUIT SIZE		3"(N)	3"(N)	3"(N)	3"	3"	3"	2-4"	

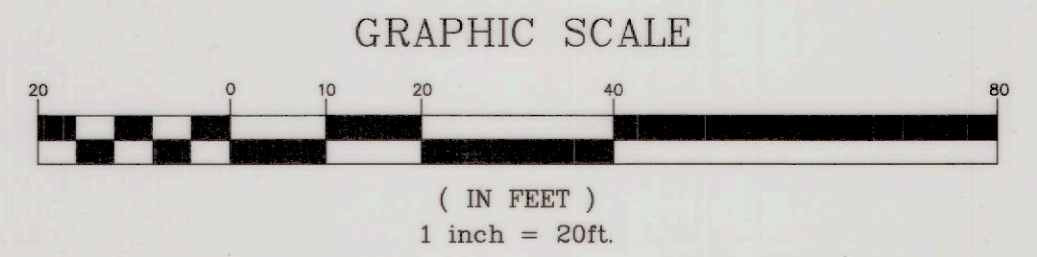
GENERAL NOTES:

- ALL TRAFFIC SIGNAL WORK AND MATERIAL SHALL CONFORM TO THE 2014 CA MUTCD, STANDARD PLANS AND SPECIFICATION (2018) OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE SPECIAL PROVISIONS OF THIS PROJECT.
- EXACT EQUIPMENT AND DETECTOR LOOP INDICATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY THE CONTRACTOR.
- ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED TURN ON.
- ALL PULL BOXES SHALL BE NO. 6 TRAFFIC PULL BOX UNLESS NOTED OTHERWISE HEREON.
- ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL WITH FULL CIRCLE VISORS. ALL LENSES SHALL BE LED, INCLUDING THE PED INDICATIONS. (SEE SPECIAL PROVISIONS FOR DETAILS). LEFT TURN HEADS SHALL HAVE RED, YELLOW AND GREEN LED ARROWS. ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN INDICATIONS SHALL BE INTERNATIONAL SYMBOL TYPE "C".
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
- UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6"-ROUND (4 TURNS OF WIRE, SEALED WITH HOT RUBBER SEALER) WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTOR LOOPS.
- SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
- PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND LOCATED ON THE SIDE OF SIGNAL STANDARD NEAREST TO THE CROSSWALK.
- ALL MAST ARM STANDARDS SHALL HAVE A 120-VOLT, SINGLE WATERPROOF ELECTRICAL OUTLET AND SHALL BE INSTALLED ON THE STANDARD 12 INCHES ABOVE THE SIGNAL ARM ON THE MAST ARM SIDE OF THE POLE.
- CONTRACTOR SHALL MAINTAIN SAFE PASSAGE FOR DISABLED PERSONS AND PEDESTRIAN WITHIN PROJECT SITE. CONTRACTOR SHALL PROVIDE WELL-MARKED ACCESS AROUND CONSTRUCTION AREA. ALL CURB RAMPS AND SIDEWALK SHALL BE CONSTRUCTED AND OPENED TO PEDESTRIANS WITHIN 72 HOURS OF REMOVALS.
- ALL TRAVEL LANES TO REMAIN OPEN BETWEEN 7:00 AM TO 8:30 AM AND AFTER 4:00 PM, ALL OTHER WORK HOURS, ONE LANE OF TRAFFIC IN EACH DIRECTION IS TO REMAIN OPEN.
- CONTRACTOR MUST COORDINATE WITH THE CITY'S SPECIAL DISTRICT ADMINISTRATION DIVISION AND PROPERTY OWNERS' OR HOME OWNERS' ASSOCIATION PRIOR TO ANY WORK IN THE PARKWAY AREA IN REGARDS TO RESTORATION OF LANDSCAPING AND IRRIGATION SYSTEM.

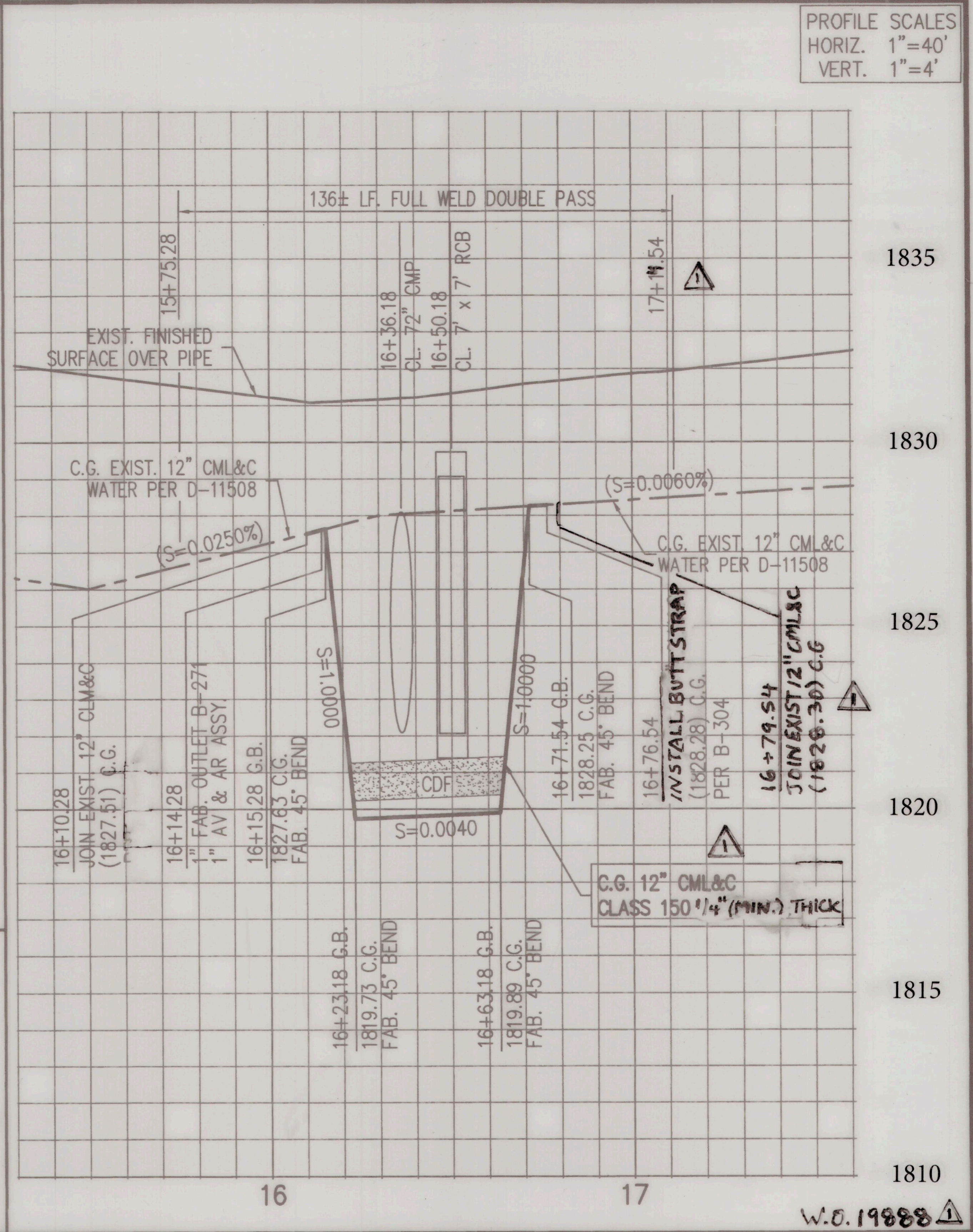
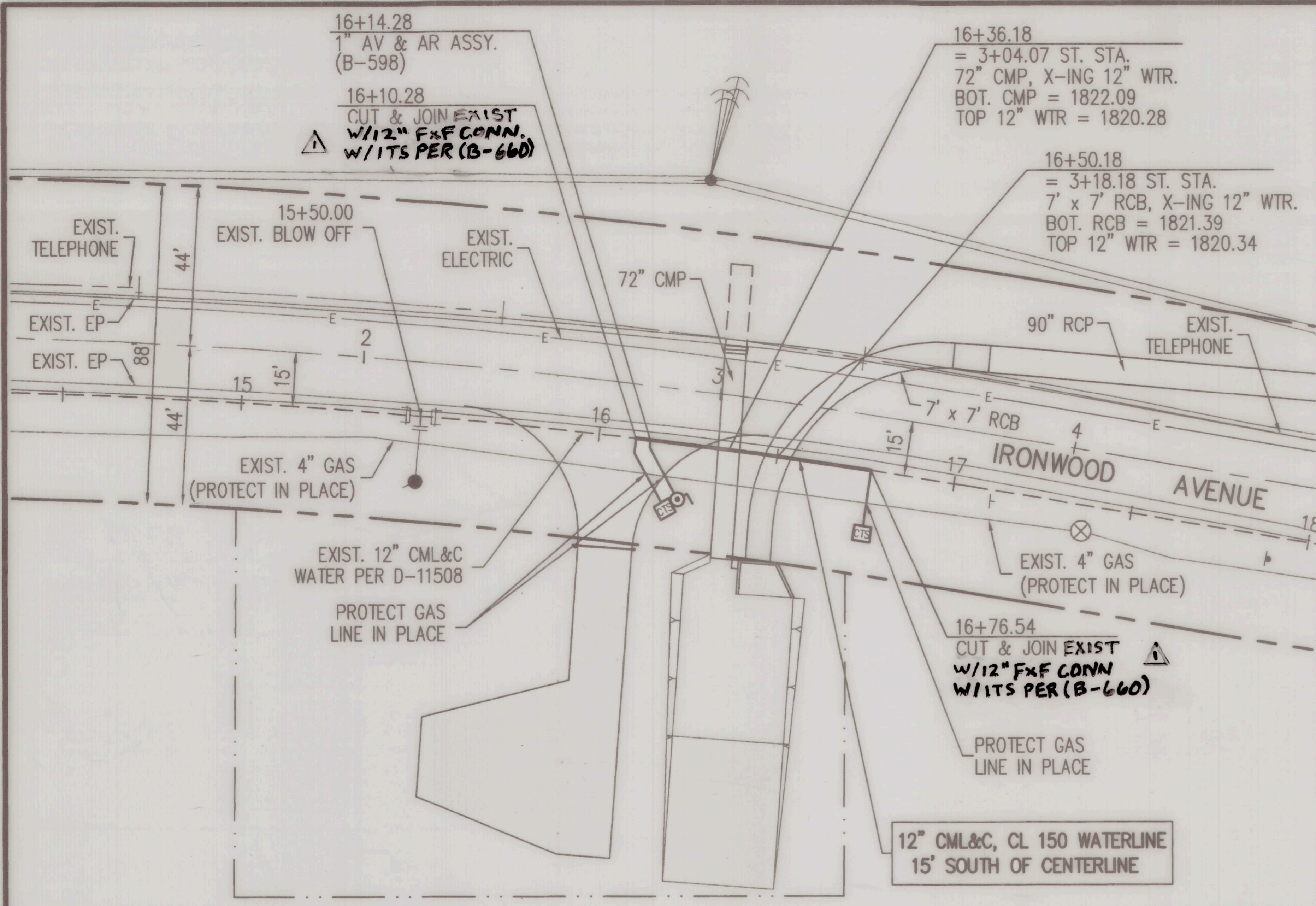
POLE SCHEDULE

No.	POLE TYPE	HT	SIGNAL M.A.	LUMINAIRE M.A. LENGTH	H.P.S. WATTS	VEH SIG MAST	VEH MTG	PED SIG MTG	No.	QUAD No.	QUAD	STREET NAME SIGN LEGEND	POLE LOC.			REMARKS
													A	B	C	
1	19-4-100	30'	30'	15'	250W	MAS MAT	SV-1-T	SP-1-T	2	W	-	Moreno Beach	(E)	-	(E)	
2	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	4	N	2	W	(E)	-	(E)	
3	17-3-100	30'	15'	15'	250W	MAS-4B	SV-1-T	SP-1-T	4	N	-	Ironwood	(E)	-	(E)	
4	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	6	E	4	N	(E)	-	(E)	
5	19-4-100	30'	25'	15'	250W	MAS MAT	SV-1-T	SP-1-T	6	E	-	Moreno Beach	(E)	-	(E)	
6	PPB POST(N)	4'-3"	-	-	-	-	-	-	8(N)	S	6(N)	E	13.4'	-	3'	
7	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	8(N)	S	6(RM)	-	(E)	-	(E)	
8	17-3-100	30'	15'	15'	250W	MAS-4B	SV-1-T	SP-1-T	8(N)	S	-	Ironwood	(E)	-	(E)	
9	PPB POST(N)	4'-3"	-	-	-	-	-	-	8(N)	S	-	-	5.6'	-	3'	
10	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	2	W	8	S	(E)	-	(E)	

ALL EQUIPMENT EXISTING UNLESS NOTED OTHERWISE:
(N) = NEW, (E) = EXISTING, (RM) = REMOVE



<p>CALL TOLL FREE 1-800-227-2600 2 Working Days Before You Dig</p>	<p>BASIS OF BEARINGS: REFER TO SHEET PC-1 FOR BASIS OF BEARING INFORMATION.</p>	<p>BENCH MARK: B.M. NO. 3276 N42286653.999 E6280061.292 FD 2" BRASS DISK STAMPED "CALIF DEPT HWYS RIV 60-19J2, 1990, LS 5679" IN SIDEWALK EAST SIDE MORENO BEACH BRIDGE FLUSH 1805.36 EL. (NGVD-29)</p>	<p>CITY OF MORENO VALLEY APPROVALS</p>				<p>PREPARED UNDER SUPERVISION OF <i>Kevin Michalski</i> KEVIN MICHALSKI, P.E. R.C.E. 67282 DATE: 12/16/20</p>	<p>ENGINEER OF RECORD'S SEAL </p>	<p>TRAFFIC SIGNAL MODIFICATION PLAN</p>	<p>ACC. No.</p>
			<p>APPROVED BY: <i>Henry Ngo</i> 1/20/21 CITY TRAFFIC ENGINEER DATE: 1/20/21</p> <p>APPROVED BY: <i>Michael L. Wolfe</i> 1/21/21 SENIOR ENGINEER DATE: 1/21/21</p>	<p>PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CALIFORNIA 92612 TEL: (949) 333-4500</p>	<p>MORENO BEACH DRIVE AT IRONWOOD AVENUE</p>	<p>SHEET 8 OF 8 PROJECT NO. 801 0021</p>				



NOTES:

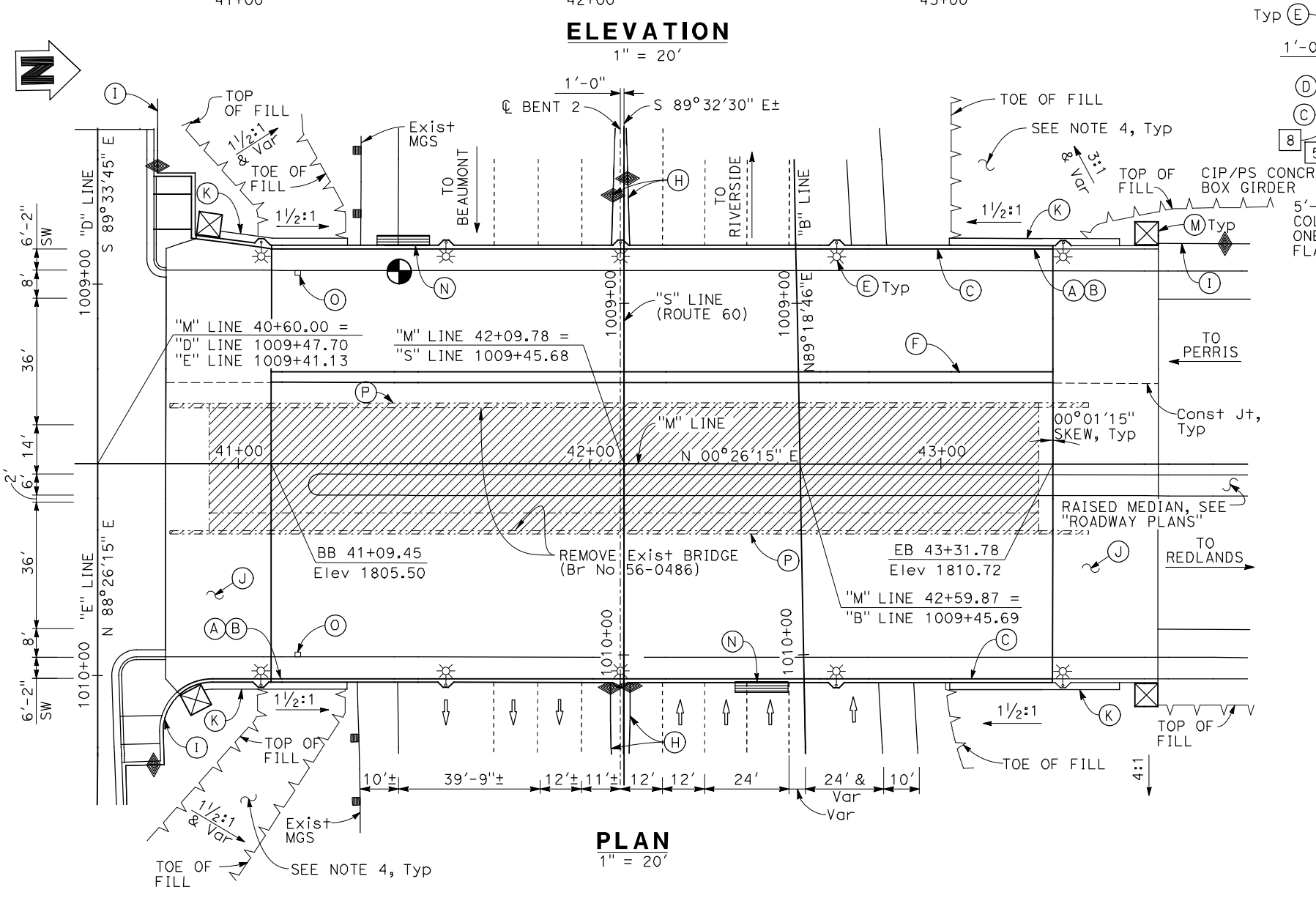
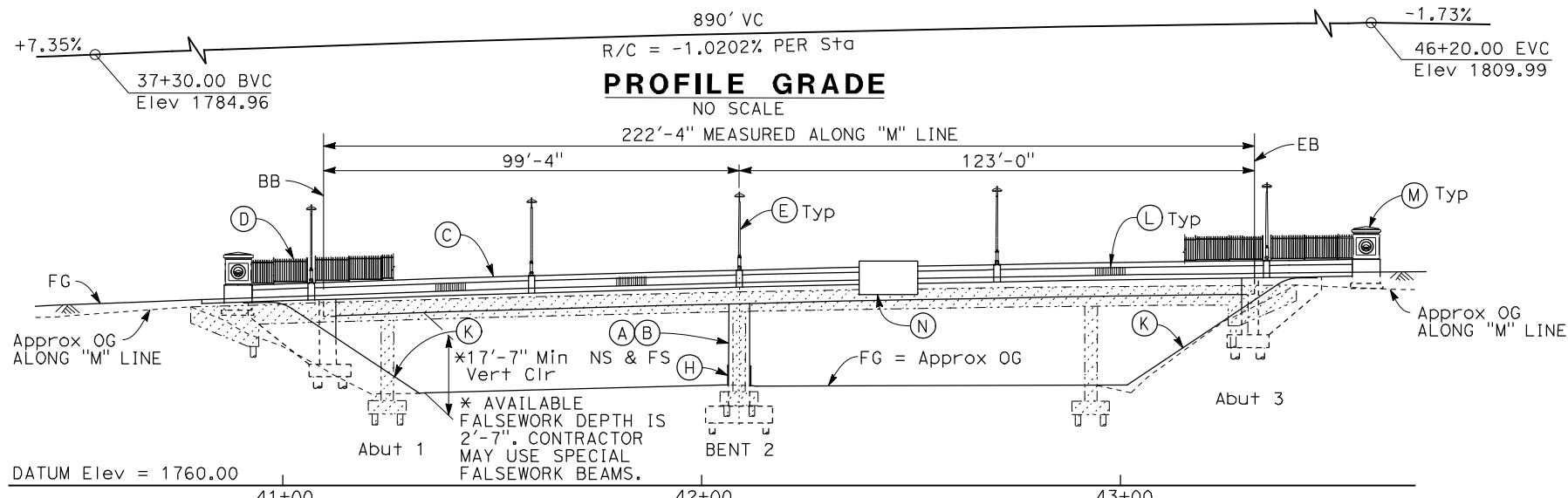
- 12" CML&C MIN. 1/4" THICK PER AWWA C-200 AND C-205.
- BUTT STRAPS PER EMWD B-304.
- ALL WELDS TO BE FULL WELD DOUBLE PASS PER EMWD STD. SPECIFICATION SECTIONS 02718, 15059 & 15061.
- FITTINGS TO COMPLY WITH AWWA C-208.
- TYPE II OR V COATING SHALL BE IN ACCORDANCE WITH AWWA C-205.
- POTHOLES REQUIRED PRIOR TO PREPARATION OF SHOP DRAWINGS.
- PIPE FABRICATION SHALL BE IN ACCORDANCE WITH AWWA C-200 AND EMWD SPECIFICATIONS.
- SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY EMWD PRIOR TO FABRICATION.
- ALL STEEL CYLINDER PIPE SHALL BE BONDED AT RUBBER-GASKET JOINTS IN ACCORDANCE WITH STD. DWG. B-638.
- FIELD ACTIVITIES TO BE COORDINATED WITH THE CITY OF MORENO VALLEY PRIOR TO CONSTRUCTION.
- PROVIDE 48 HOURS NOTICE FOR IN-PLANT INSPECTION BY EMWD.
- CONTRACTOR TO EXPOSED 66' EXISTING PIPE, FULL WELD DOUBLE PASS ALL JOINTS FROM 45' BEND BOTH DIRECTION.

1 inch = 40 ft.
GRAPHIC SCALE

MARK	BY	REVISIONS	APPR.	DATE	VERT. DATUM:
△		MODIFIED CONNECTION TYPE & UPDATED W.O.#			

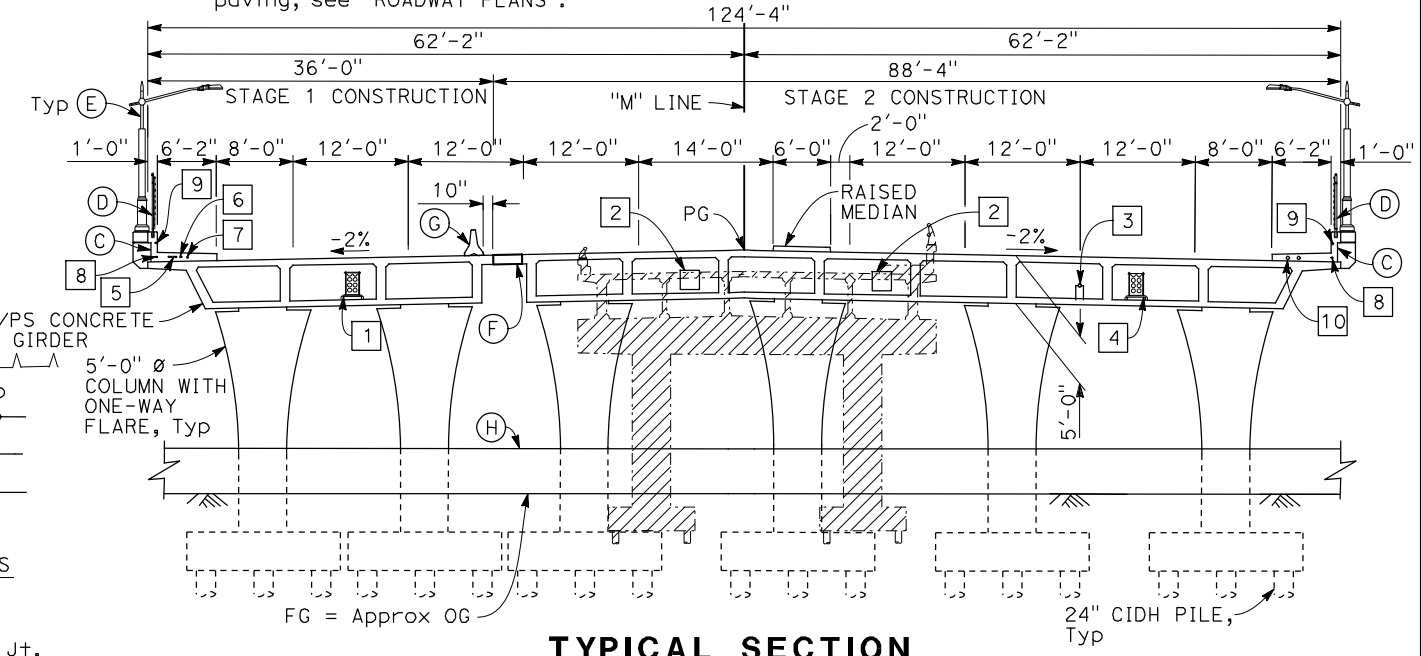
W.O. 19888 △

EASTERN MUNICIPAL WATER DISTRICT	3
CITY OF MORENO VALLEY	41
IRONWOOD AVENUE EXIST. 12" WATERLINE RELOCATION CONFLICT WITH 72" CMP & 7' x 7' RCB 650 FEET EAST OF OLIVER STREET	W 13-368 CO:
APPROVED <i>Marissa Sanz</i> CIVIL ENGINEER OF SUBDIVISIONS	3/2/15 DATE
	1260



- LEGEND:**
- Indicates New Structure
 - - - - - Indicates Existing Structure
 - ⇨ Indicates Direction of Traffic
 - ▨ Indicates Bridge Removal
 - ⊙ Indicates Point of Minimum Vertical Clearance

- NOTES:**
1. For "GENERAL NOTES", "INDEX TO PLANS", and "STANDARD PLANS" list, see "INDEX TO PLANS" sheet.
 2. For "QUANTITIES", see "DECK CONTOURS" sheet.
 3. For "PILE DATA TABLE", see "FOUNDATION PLAN" sheet.
 4. For rock mulch landscaping adjacent to slope paving, see "ROADWAY PLANS".



- NOTES:**
- (A) Paint "MORENO BEACH DRIVE OC"
 - (B) Paint "BRIDGE No. 56-0845" and year constructed
 - (C) Concrete Barrier (Type 732SW Mod)
 - (D) Picket Railing Fence
 - (E) Decorative Bridge Lighting, see "ROADWAY PLANS"
 - (F) Closure Pour, (3'-0")
 - (G) Temporary Railing Type K, see "ROADWAY PLANS"
 - (H) Concrete Barrier (Type 60R), see "ROADWAY PLANS"
 - (I) Concrete Barrier (Type 842B), see "ROADWAY PLANS"
 - (J) Structure Approach Slab Type N(30)
 - (K) Slope Paving
 - (L) Architectural Treatment
 - (M) Pilaster
 - (N) Bridge Mounted Sign
 - (O) Deck Drain Type D-1, see "DECK DRAINAGE DETAILS" sheet
 - (P) Remove Exist Bridge Mounted Sign

- UTILITIES:**
- 1 6-5" Dia Electrical Conduits (MVU) (1-6.9kV and 5 Future 12 kV lines)
 - 2 Future Utility Opening
 - 3 3" Dia Water Irrigation Supply Line (Caltrans)
 - 4 2-6" Dia & 4-5" Dia Empty Electrical Conduits (SCE) (6 Future 12kV-33kV lines)
 - 5 4-1/2" Dia Traffic Signal Conduits (MVU)
 - 6 2" Dia Empty Conduit (Caltrans)
 - 7 2" Dia Signal Interconnect Conduit (Caltrans)
 - 8 2" Dia Lighting Conduit (Caltrans)
 - 9 2" Dia Lighting Conduit (MVU)
 - 10 2-4"Ø Openings per B11-58

PILASTER LOCATION TABLE

LOCATION	Sta	OFFSET TO C/PILASTER
SOUTHWEST	40+91.82	68.03' Lt
SOUTHEAST	40+87.99	67.22' Rt
NORTHWEST	43+58.51	65.67' Lt
NORTHEAST	43+58.47	65.67' Rt

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	319	358

08/05/20
REGISTERED CIVIL ENGINEER DATE

Breanna H Lux
No. C83083
Exp. 9-30-22
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

City of Moreno Valley
14177 Frederick Street
Moreno Valley, CA 92552

PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CA 92612

DESIGN OVERSIGHT
8/10/2020
SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. Bowes
DETAILS	BY S. Weight	CHECKED K. Bowes
QUANTITIES	BY B. Lux	CHECKED K. Bowes

LOAD & RESISTANCE FACTOR DESIGN	BY B. Lux	CHECKED K. Bowes
LAYOUT	BY B. Lux	CHECKED K. Bowes
SPECIFICATIONS	BY K. Michalski	CHECKED D. Kachi

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Kevin Michalski
PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
GENERAL PLAN

**GENERAL NOTES:
LOAD AND RESISTANCE FACTOR**

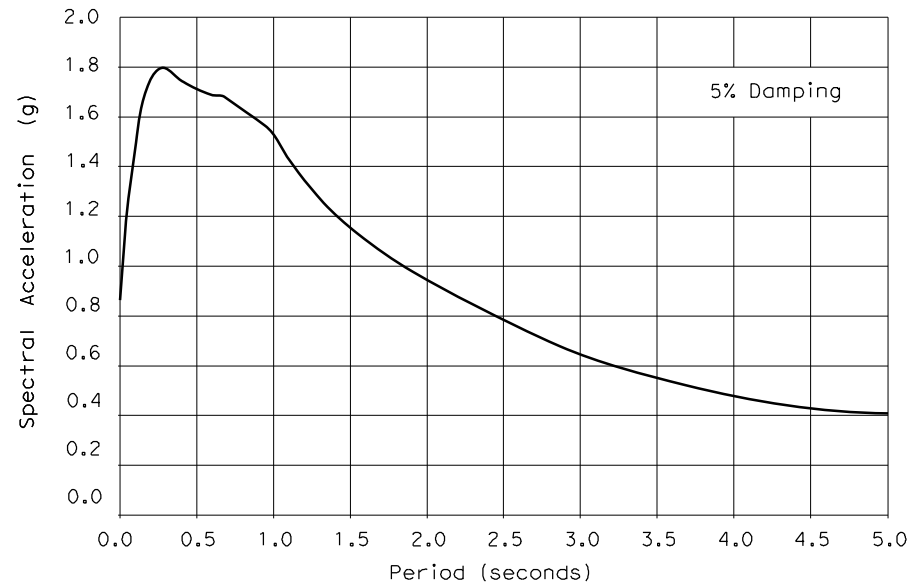
Design:
AASHTO LRFD Bridge Design Specifications, 6th Edition with California Amendments (dated January 2014).

Dead Load:
Includes 35 psf for Future Wearing Surface.

Live Loading:
HL-93 and Permit Design Loading.

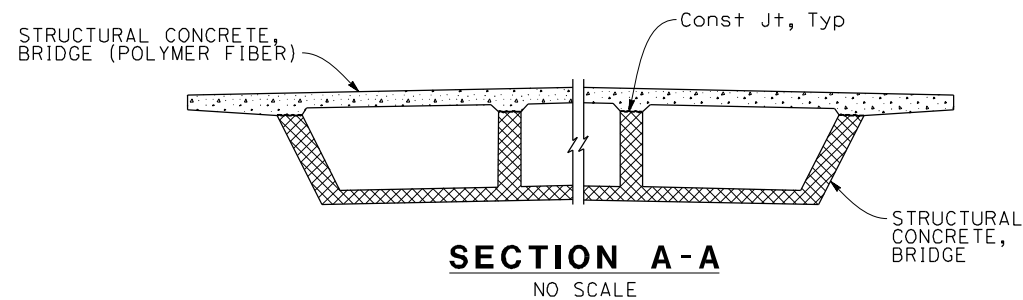
Seismic Design:
Caltrans Seismic Design Criteria (SDC), Version 1.7 dated April 2013.

Seismic Loading:
Soil Profile: Vs30 = 920 ft/s for the top 100 ft of soil
Moment Magnitude: 7.7
Peak Ground Acceleration: 0.832g



Reinforced Concrete:
 $f_y = 60$ ksi
 $f'_c = 3.6$ ksi (unless otherwise noted)

Prestressed Concrete:
See "PRESTRESSING NOTES" on "GIRDER LAYOUT - STAGE 1" and "GIRDER LAYOUT - STAGE 2" sheets.



INDEX TO PLANS

SHEET No.	TITLE
1.	GENERAL PLAN
2.	INDEX TO PLANS
3.	DECK CONTOURS
4.	FOUNDATION PLAN
5.	BRIDGE REMOVAL PLAN
6.	STAGE CONSTRUCTION
7.	ABUTMENT 1 LAYOUT
8.	ABUTMENT 3 LAYOUT
9.	ABUTMENT FOOTING & PILE LAYOUT
10.	ABUTMENT DETAILS No. 1
11.	ABUTMENT DETAILS No. 2
12.	ABUTMENT DETAILS No. 3
13.	BENT LAYOUT - STAGE 1
14.	BENT LAYOUT - STAGE 2
15.	BENT DETAILS No. 1
16.	BENT DETAILS No. 2
17.	BENT DETAILS No. 3
18.	BENT FOOTING DETAILS - STAGE 1
19.	BENT FOOTING DETAILS - STAGE 2
20.	TYPICAL SECTION - STAGE 1
21.	TYPICAL SECTION - STAGE 2
22.	GIRDER LAYOUT - STAGE 1
23.	GIRDER LAYOUT - STAGE 2
24.	GIRDER DETAILS
25.	ADDITIONAL DECK REINFORCEMENT - STAGE 1
26.	ADDITIONAL DECK REINFORCEMENT - STAGE 2
27.	STRUCTURE APPROACH TYPE N(30S)
28.	STRUCTURE APPROACH DRAINAGE DETAILS
29.	JOINT ARMOR FOR PEDESTRIAN WALKWAYS
30.	SLOPE PAVING - FULL SLOPE
31.	DECK DRAINAGE DETAILS
32.	PILASTER DETAILS
33.	PICKET RAILING FENCE
34.	ARCHITECTURAL DETAILS NO. 1
35.	ARCHITECTURAL DETAILS NO. 2
36.	ARCHITECTURAL DETAILS NO. 3
37.	BRIDGE MOUNTED SIGN DETAILS NO. 1
38.	BRIDGE MOUNTED SIGN DETAILS NO. 2
39.	LOG OF TEST BORINGS NO. 1 OF 2
40.	LOG OF TEST BORINGS NO. 2 OF 2

STANDARD PLANS DATED 2018

A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
T3A	TEMPORARY RAILING (TYPE K)
RSP B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-3	16" AND 24" CAST-IN-DRILLED-HOLE CONCRETE PILE
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7-1	BOX GIRDER DETAILS
B7-6	DECK DRAINS - TYPES D-1 AND D-2
RSP B7-8	DECK DRAINAGE DETAILS
RSP B7-10	UTILITY OPENING - BOX GIRDER
B8-5	CAST-IN-PLACE POST-TENSIONED GIRDER DETAILS
B9-1	STRUCTURE APPROACH - TYPE N(30)
B9-5	STRUCTURE APPROACH - SLAB DETAILS
B9-6	STRUCTURE APPROACH - DRAINAGE DETAILS
B11-52	CHAIN LINK RAILING TYPE 7
B11-58	CONCRETE BARRIER TYPE 732SW (SHEET 1 OF 2)
B11-59	CONCRETE BARRIER TYPE 732SW (SHEET 2 OF 2)
B14-4	WATER SUPPLY LINE (BRIDGE) (PIPE SIZES LESS THAN 4")
B14-5	WATER SUPPLY LINE (DETAILS) (PIPE SIZE LESS THAN 4")
RSP S16	OVERHEAD SIGNS - WALKWAY DETAILS NO. 1
RSP S17	OVERHEAD SIGNS - WALKWAY DETAILS NO. 2
S17A	OVERHEAD SIGNS - WALKWAY DETAILS NO. 3
S18	OVERHEAD SIGNS - WALKWAY SAFETY RAILING DETAILS
S19	OVERHEAD SIGNS - TRUSS, SIGN MOUNTING DETAILS LAMINATED PANEL - TYPE A
S88	TYPE A-2 MOUNTING HARDWARE FOR OVERHEAD LAMINATED TYPE A PANEL (BRIDGE MOUNTED AND TUBULAR SIGN STRUCTURES)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	320	358

08/05/20
REGISTERED CIVIL ENGINEER DATE

Breanna H Lux
No. C83083
Exp. 9-30-22
CIVIL
STATE OF CALIFORNIA

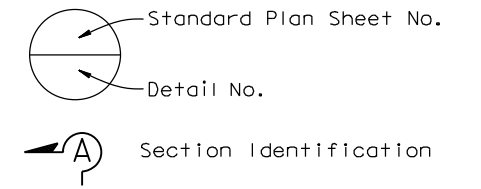
PLANS APPROVAL DATE

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City of Moreno Valley
14177 Frederick Street
Moreno Valley, CA 92552

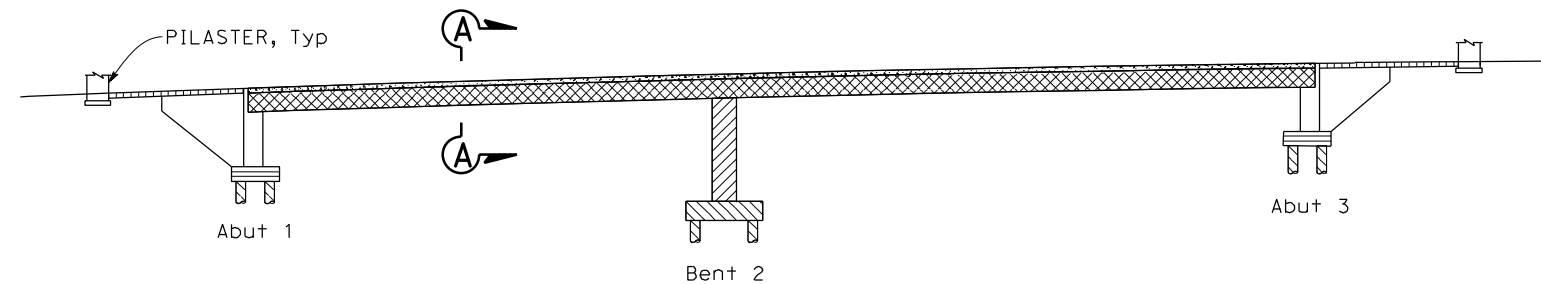
PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CA 92612

PLAN SYMBOLS



ABBREVIATIONS

MVU	Moreno Valley Electrical Utility
SCE	Southern California Edison



CONCRETE STRENGTH AND TYPE LIMITS

LEGEND:	
	Structural Concrete, Bridge
	Structural Concrete, Bridge (f'c = 4.0 ksi @ 28 days)
	Structural Concrete, Bridge Footing
	Structural Concrete, Bridge (Polymer Fiber) (f'c = per "PRESTRESSING NOTES" on "GIRDER LAYOUT - STAGE 1" and "GIRDER LAYOUT - STAGE 2" sheets)
	Structural Concrete, Bridge (f'c Per "PRESTRESSING NOTES" on "GIRDER LAYOUT - STAGE 1" and "GIRDER LAYOUT - STAGE 2" sheets)
	Structural Concrete, Approach Slab
	Structural Concrete, Bridge Footing and CIDH Piles (f'c = 4.0 ksi @ 28 days)

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

 DESIGN OVERSIGHT 8/10/2020 SIGN OFF DATE	DESIGN BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 56-0845	MORENO BEACH DRIVE OC (REPLACE)
	DETAILS BY S. Weight	CHECKED K. BOWES		PROJECT ENGINEER Kevin Michalski	
	QUANTITIES BY B. Lux	CHECKED K. BOWES		POST MILE 19.2	INDEX TO PLANS


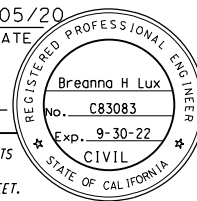
DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:11 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
FILE => 56-0845-a-1tp.dgn USERNAME => p004336A

UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591 CONTRACT No.: 08-323034

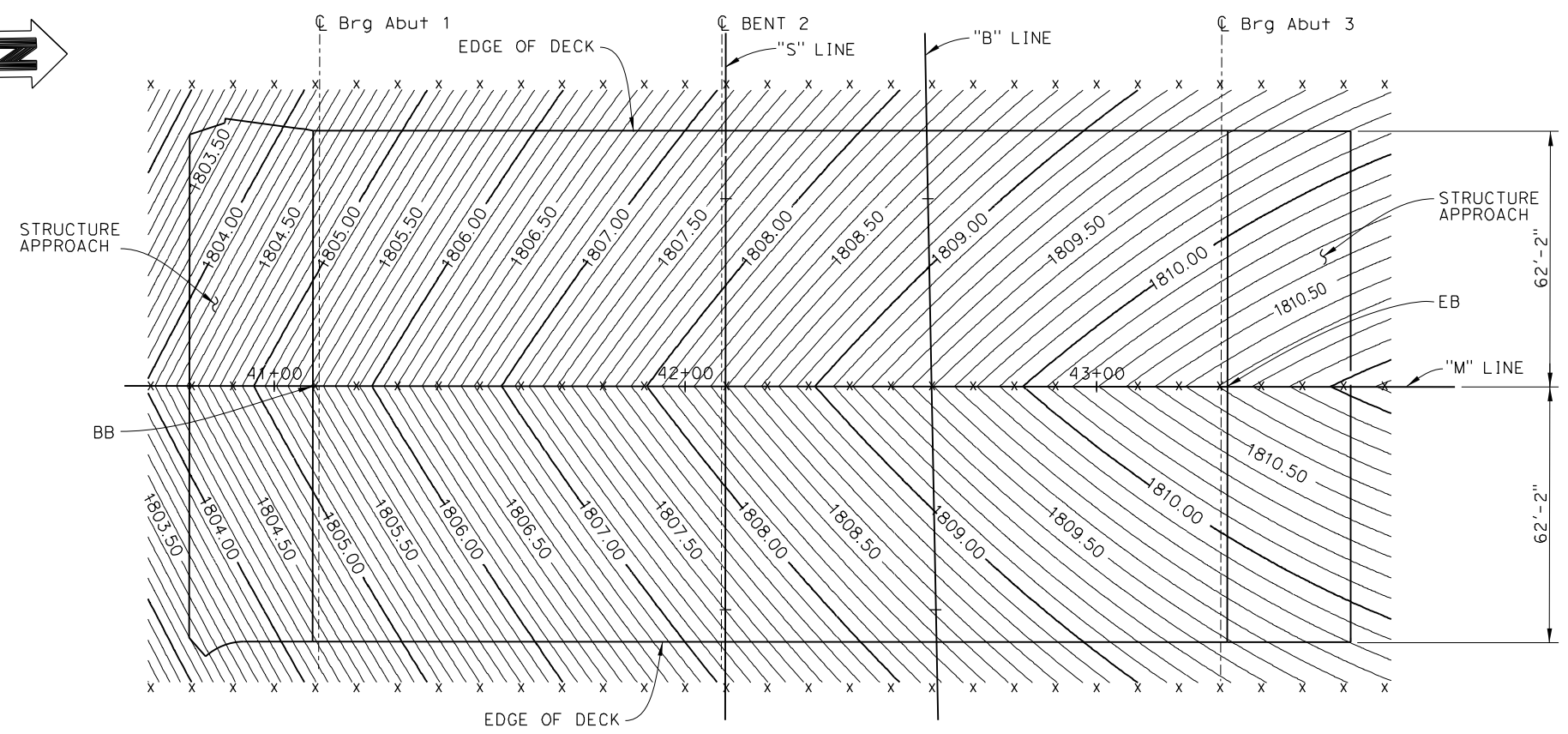
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
10/24/19 03/05/20 05/19/20 08/05/20	2	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	321	358

 08/05/20
 REGISTERED CIVIL ENGINEER DATE

 PLANS APPROVAL DATE
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City of Moreno Valley
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 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612



PLAN
1" = 20'

NOTES:

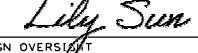
1. x Denotes 10' intervals along station line.
2. Contour interval is 0.1 ft.
3. Contours do not include camber or falsework settlement.

QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	1,686	CY
STRUCTURE BACKFILL (BRIDGE)	2,750	CY
3" SUPPLY LINE (BRIDGE)	283	LF
24" CAST-IN-DRILLED-HOLE CONCRETE PILING	5,866	LF
PRESTRESSING CAST-IN-PLACE CONCRETE	1	LS
STRUCTURAL CONCRETE, BRIDGE FOOTING	503	CY
STRUCTURAL CONCRETE, BRIDGE	1,625	CY
STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER)	793	CY
STRUCTURAL CONCRETE, STRUCTURE APPROACH (TYPE N)	350	CY
JOINT SEAL (MR = 1 1/2")	124	LF
JOINT SEAL (MR = 2")	124	LF
BAR REINFORCING STEEL (BRIDGE)	1,015,215	LB
BAR REINFORCING STEEL (GALVANIZED)	5,206	LB
HEADED BAR REINFORCEMENT	172	EA
FURNISH SIGN STRUCTURE (BRIDGE MOUNTED W/ WALKWAY)	4,180	LB
INSTALL SIGN STRUCTURE (BRIDGE MOUNTED W/ WALKWAY)	4,180	LB
REMOVE BRIDGE MOUNTED SIGN	2	EA
BRIDGE REMOVAL	1	LS
24" WELDED STEEL PIPE CASING (BRIDGE)	156	LF
SLOPE PAVING (ROCK MULCH)	93	CY
MINOR CONCRETE (RAISED MEDIAN)	27	CY
MISCELLANEOUS METAL (BRIDGE)	640	LB
BRIDGE DECK DRAINAGE SYSTEM	6,823	LB
ANTI-GRAFFITI COATING	1,060	SQ FT
PICKET RAILING FENCE	565	LF
CONCRETE BARRIER (TYPE 732SW MODIFIED)	565	LF
SALVAGE METAL BRIDGE RAILING	518	LF

3 REVISED PER ADDENDUM No. 3

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT  8/10/2020 SIGN OFF DATE	DESIGN	BY B. Lux	CHECKED K. Bowes	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	MORENO BEACH DRIVE OC (REPLACE) DECK CONTOURS				
	DETAILS	BY S. Weight	CHECKED K. Bowes		56-0845					
	QUANTITIES	BY B. Lux	CHECKED K. Bowes		PROJECT ENGINEER Kevin Michalski		19.2			
DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)	DATE PLOTTED => 03-AUG-2020 FILE => 56-0845-d-dc01.dgn	TIME PLOTTED => 12:43 USERNAME => p004336A	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: PROJECT NUMBER & PHASE: 08120000591	2232 CONTRACT No.: 08-323034	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3	OF 40

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	322	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE

Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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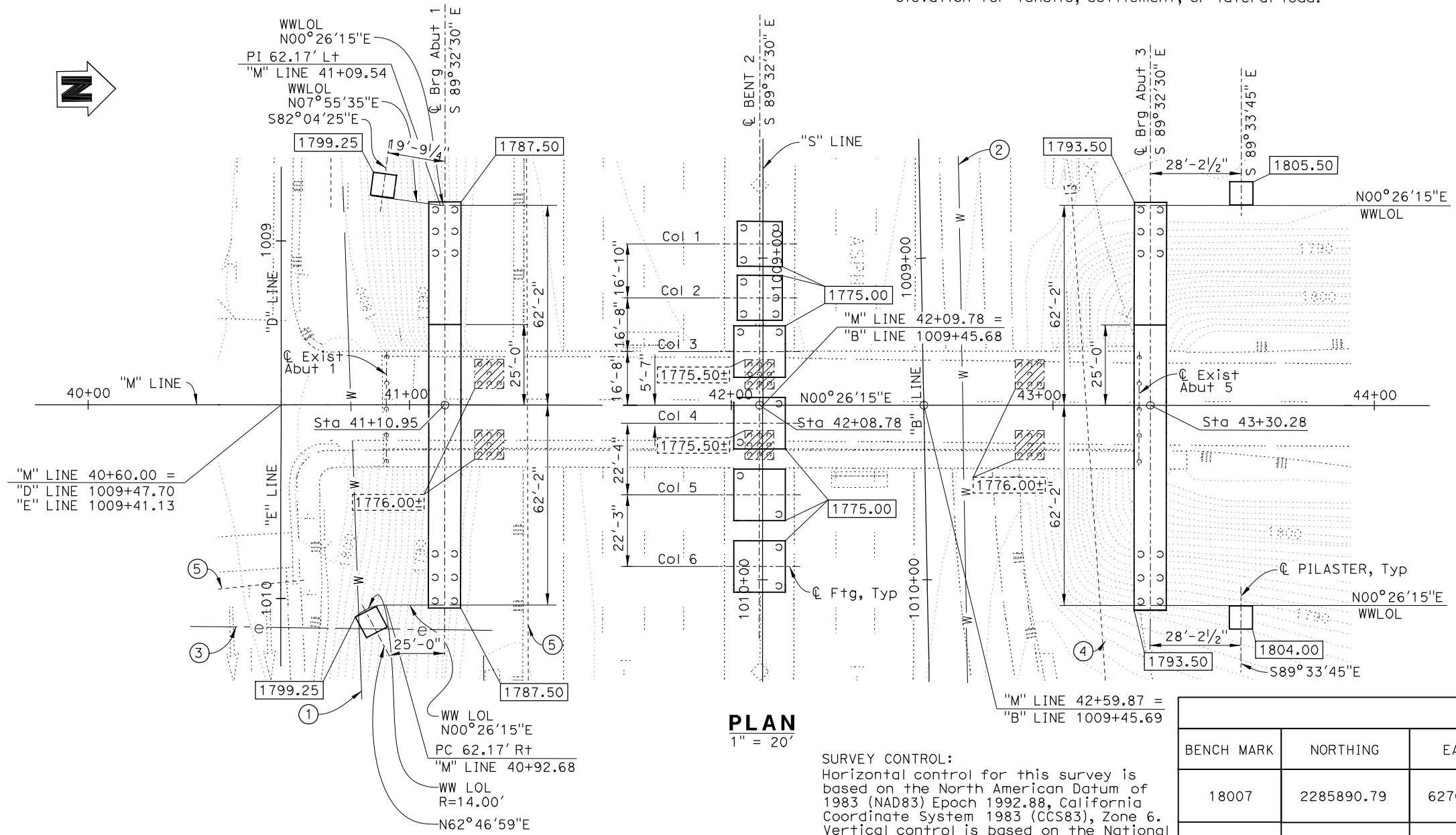
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

SPREAD FOOTING DATA TABLE			
LOCATION	SERVICE PERMISSIBLE NET CONTACT STRESS (SETTLEMENT) (ksf)	STRENGTH/CONSTRUCTION FACTORED GROSS NOMINAL BEARING RESISTANCE $\Phi_b = 0.55$ (ksf)	EXTREME EVENT FACTORED GROSS NOMINAL BEARING RESISTANCE $\Phi_b = 1.00$ (ksf)
Pilaster	2.25	3.70	6.75

PILE DATA TABLE					
Location	Pile Type	Nominal Resistance (Kips)		Design Tip Elevation (ft)	Specified Tip Elevations (ft)
		Compression	Tension		
Abut 1	24" CIDH	390	0	1745(a), 1765(c), 1757(d)	1745
Bent 2 Stage 1	24" CIDH	440	110	1727(a), 1754(b), 1749(c), 1745(d)	1727
Bent 2 Stage 2	24" CIDH	550	30	1723(a), 1765(b), 1742(c), 1745(d)	1723
Abut 3	24" CIDH	400	0	1749(a), 1767(c), 1763(d)	1749

- NOTES:
- Controlling load combination is the one resulting in the highest ratio of $q_{g,u}/q_R$.
 - Controlling load combination for Service Limit State is the one resulting in the highest ratio of $q_{n,u}/q_{pn}$.
 - Controlling load combination for Strength, Construction, and Extreme Event is the one resulting in the highest ratio of $q_{g,u}/q_R$.

- NOTES:
- Design tip elevations are controlled by: (a) Compression (b) Tension, (c) Settlement, and (d) Lateral Loads.
 - The Specified Tip Elevation must not be raised above the design tip elevation for tensile, settlement, or lateral load.



- NOTES:
- Contours shown represent approximate existing ground.
 - The types and locations of all utilities are provided for information only. The Contractor must verify all existing utilities and notify Utility Agencies prior to any removal, relocation or new construction. See "ROADWAY PLANS" for utility details not shown.
 - All piles not shown.
 - Location of pilasters measured along WWLLOL.

- LEGEND:
- Indicates Bridge Removal
 - XXXX.XX Indicates Bottom of Footing Elevation
 - XXXX.XX± Indicates Bottom of Existing Footing Elevation
 - Indicates New Structure
 - Indicates Existing Structure
 - Indicates 24" CIDH Pile
 - Indicates Existing 16" CIDH Pile

- EXISTING UTILITIES:
- 12" Dia Water in 18" Casing (Abandoned)(EMWD)
 - 27" Dia Water (Abandoned)(EMWD)
 - Electrical (Remove by Others)(SCE)
 - 30" CMP (Protect in Place)(Caltrans)
 - 24" RCP (Protect in Place)(Caltrans)

BENCH MARK				
BENCH MARK	NORTHING	EASTING	Elev (ft)	DESCRIPTION
18007	2285890.79	6276076.45	1735.35	FD 2" Brass Disk Stamped "California Division of Highways C/L Nason POT 12+60.00"
11006	2285947.07	6280039.46	1766.97	FD 2" Brass Disk Stamped "California Division of Highways 368+16.73 C/L Hen 12+93.00" in Well 3.3' DN

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT 8/10/2020	SCALE: AS SHOWN	VERT. DATUM NGVD29	HORZ. DATUM NAD83	DESIGN BY B. LUX	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 56-0845	MORENO BEACH DRIVE OC (REPLACE) FOUNDATION PLAN
PHOTOGRAMMETRY AS OF:	ALIGNMENT TIES:	DESIGN DETAILS BY S. Weight	CHECKED K. BOWES	PROJECT ENGINEER Kevin Michalski	POST MILE 19.2			
SURVEYED BY	DRAFTED BY	QUANTITIES BY B. LUX	CHECKED K. BOWES	UNIT: 2232	CONTRACT No.: 08-323034			

FOUNDATION PLAN SHEET (ENGLISH) (REVISION 4/19/2018)

08/05/20
 GEOTECHNICAL PROFESSIONAL APPROVAL DATE


DATE PLOTTED => 8/3/2020
 FILE => 56-0845-e-fdp101.dgn

TIME PLOTTED => 8:56:29 AM
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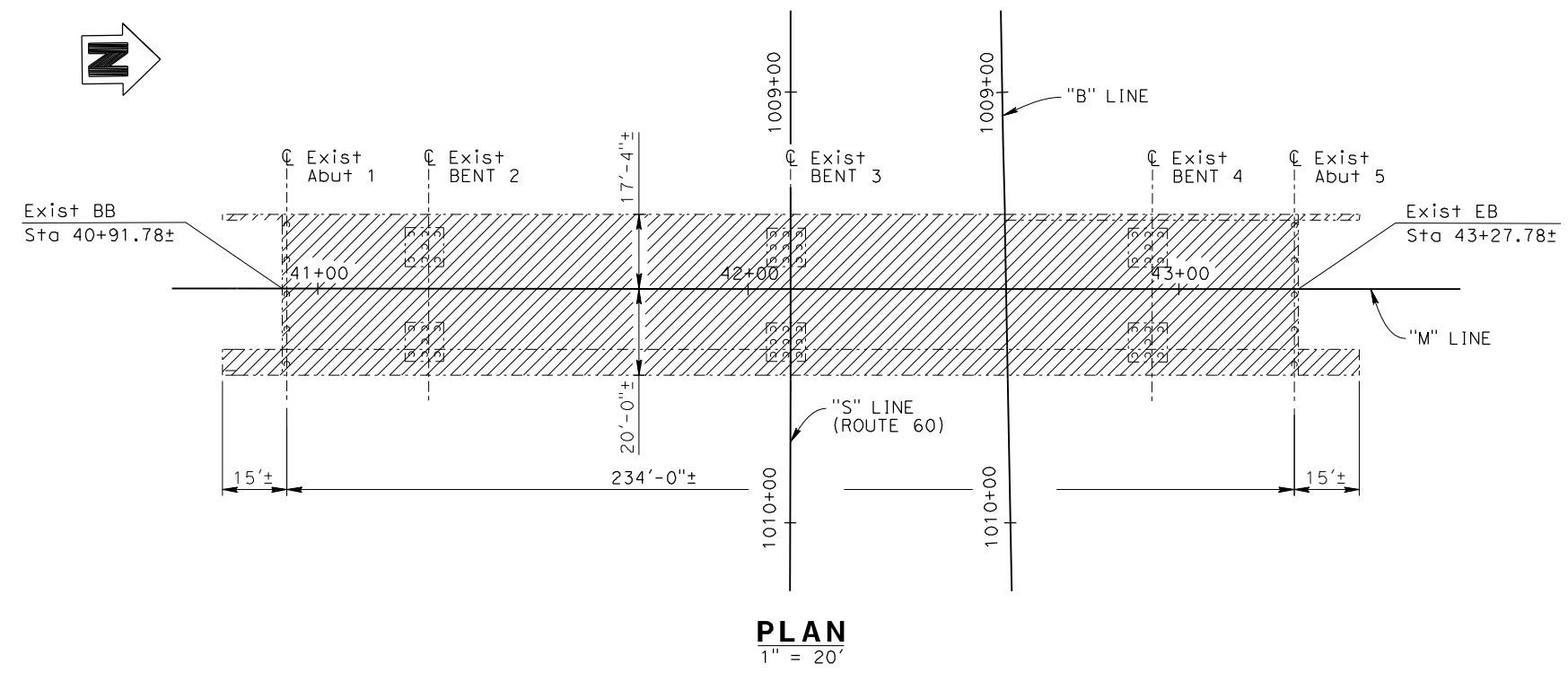
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
10/24/19 03/05/20 05/17/20 08/05/20	4	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	323	358


 08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____
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 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

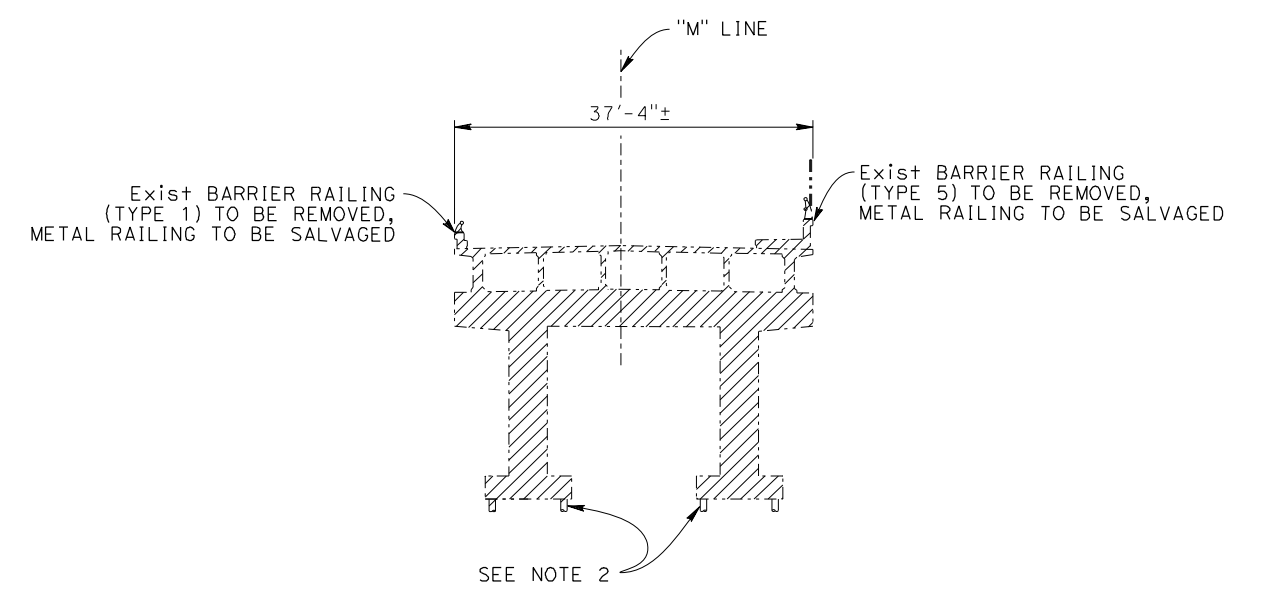
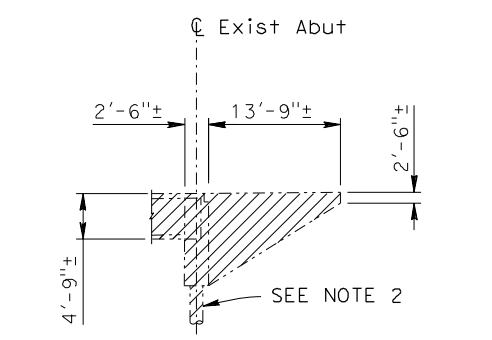
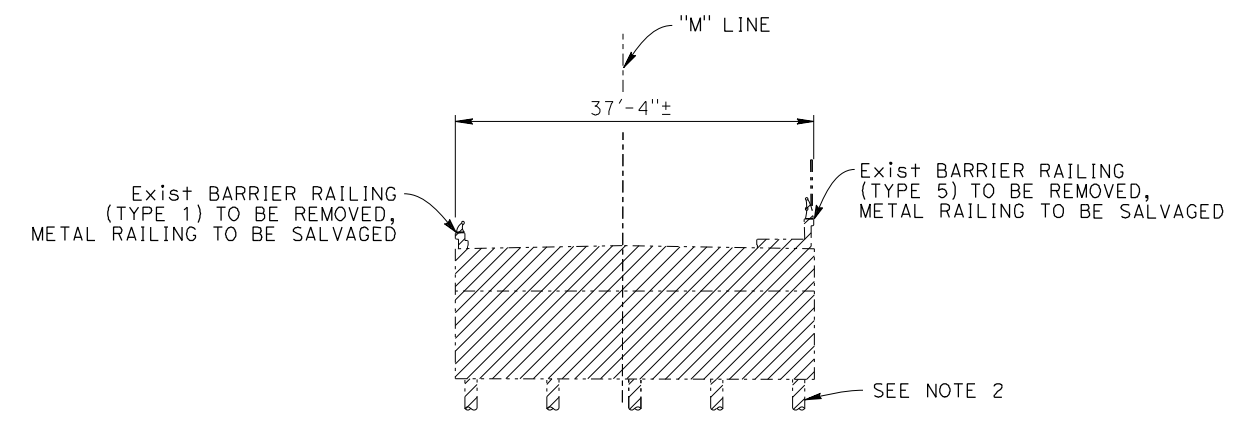


LEGEND:


----- Indicates Existing Structure

 Indicates Limits of Existing Br No. 56-0486 to be Removed

- NOTES:**
- For dimensions, details and information not shown, see As-Built plans.
 - Remove existing piles 3'-0" Min below bottom of existing footing. At existing Abutment 5 and Bent 3, existing piles must be removed 3'-0" Min below bottom of proposed footing.



NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.


 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

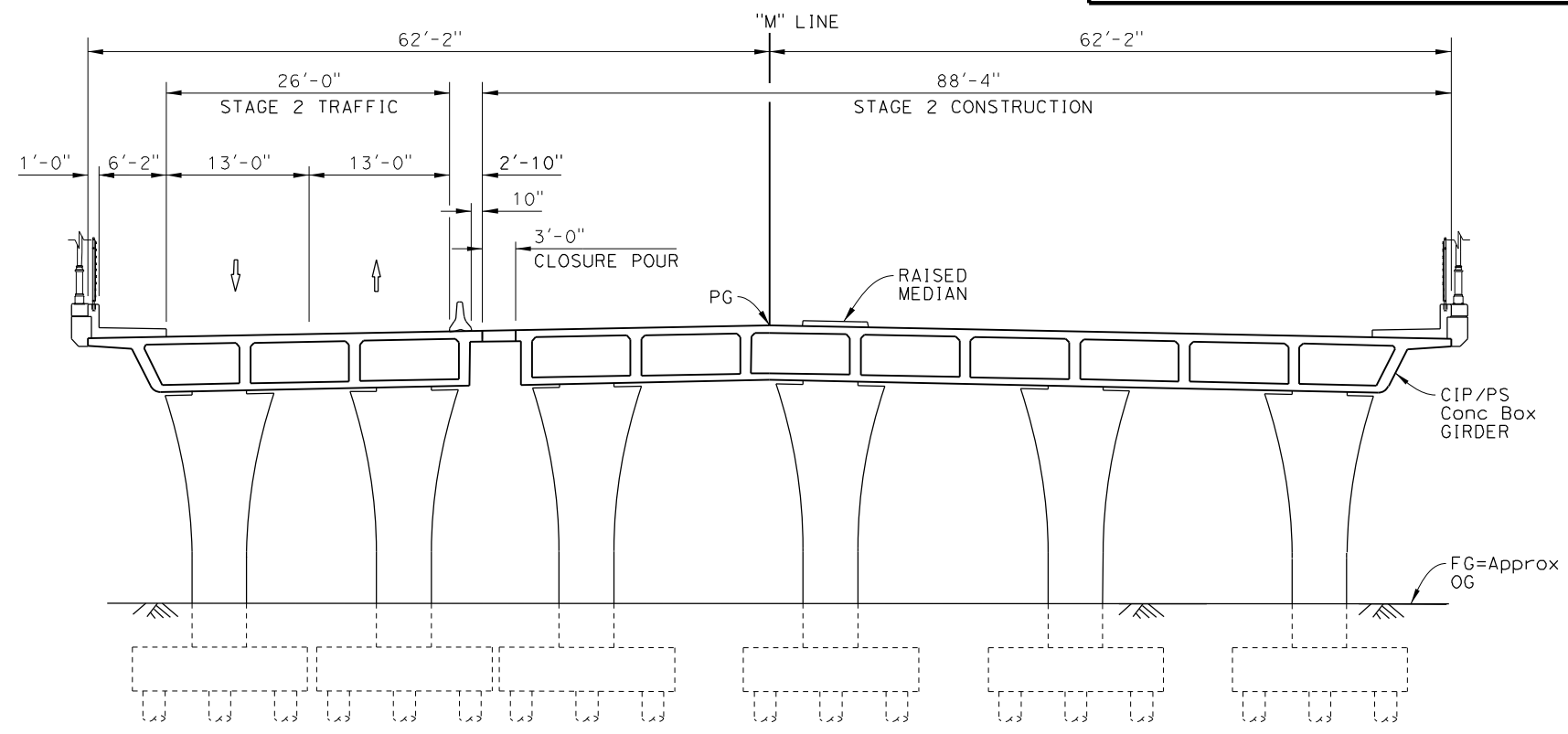
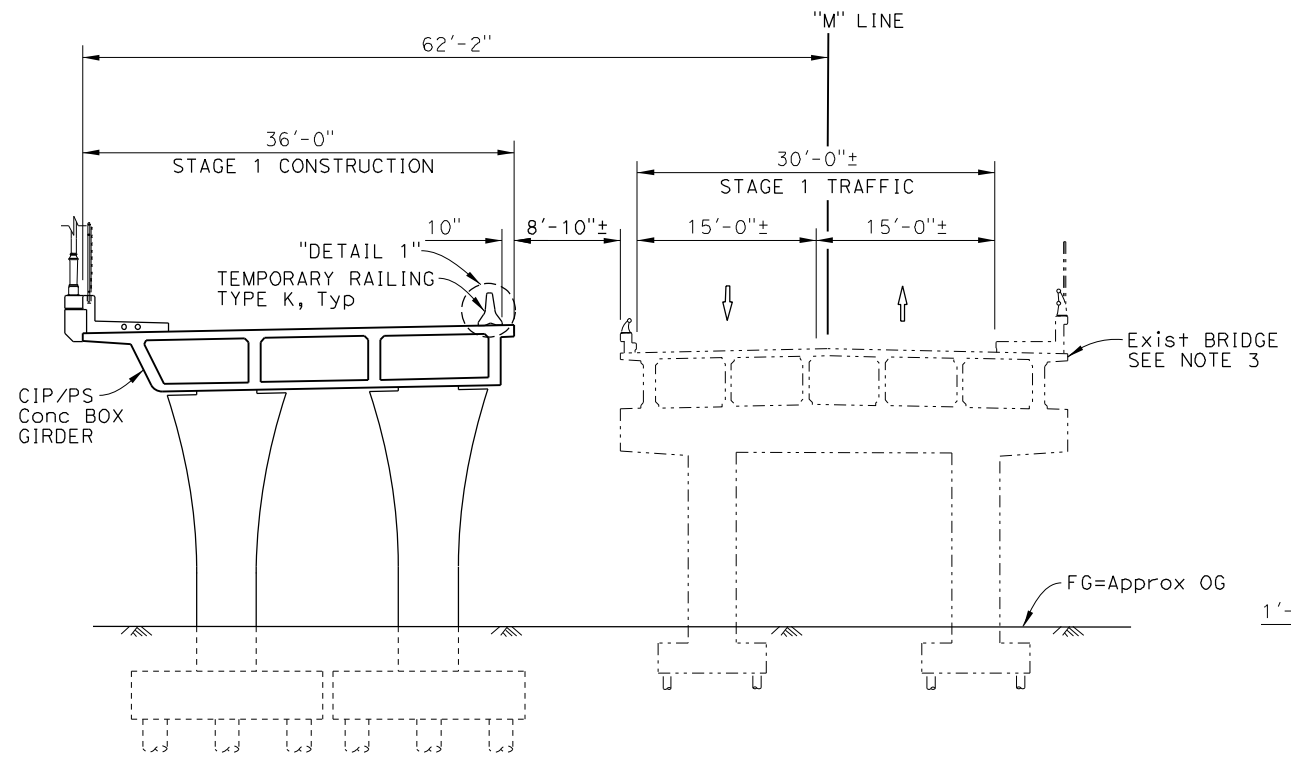
PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	
BRIDGE REMOVAL PLAN		

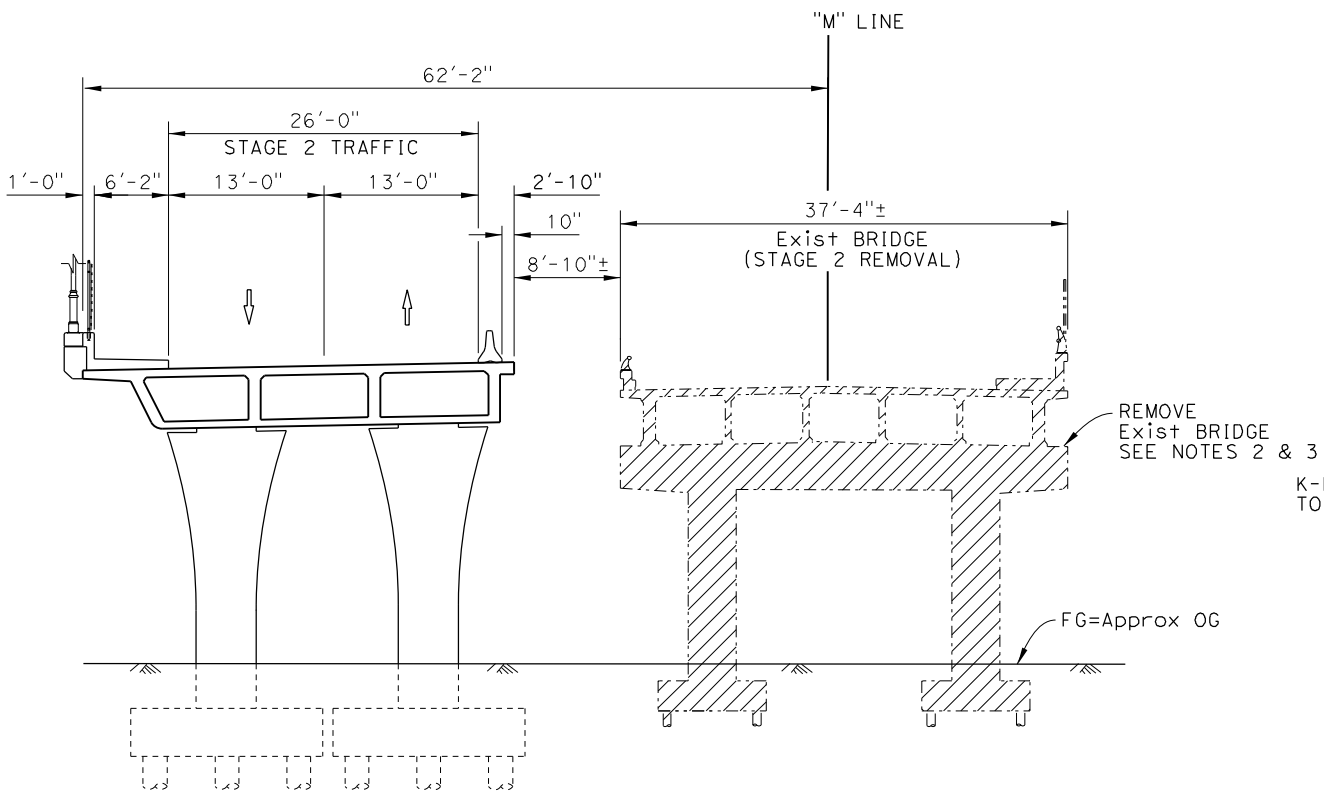
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	324	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

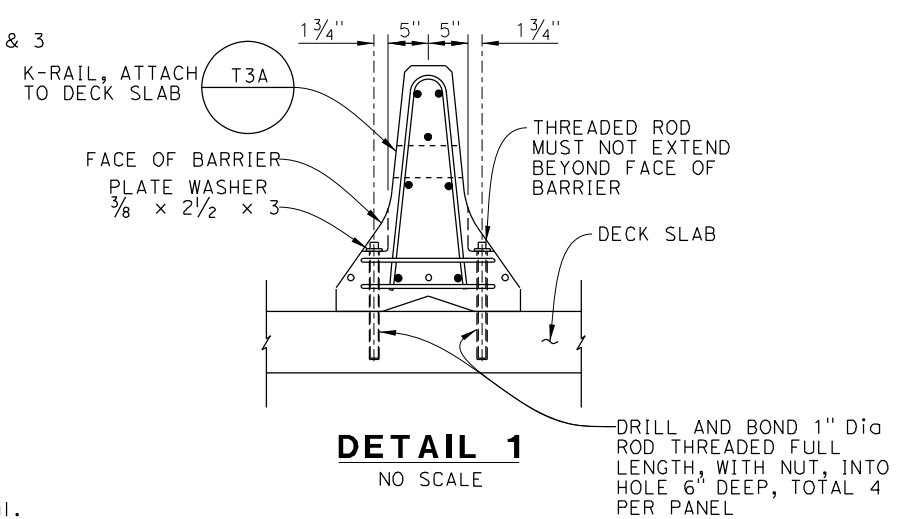
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TYPICAL SECTION - STAGE 2 (PHASE 2)
1/8" = 1'-0"



TYPICAL SECTION - STAGE 2 (PHASE 1)
1/8" = 1'-0"



DETAIL 1
NO SCALE

LEGEND:

- Indicates Existing Structure
- ▨ Limits of Bridge Removal
- ← Indicates Direction of Traffic

NOTES:

1. For additional stage construction information, see "ROADWAY PLANS".
2. For removal limits, see "BRIDGE REMOVAL PLAN" sheet.
3. For dimensions and details not shown for existing structure, see As-Built plans.
4. For final condition "TYPICAL SECTION", see "GENERAL PLAN" sheet.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
STAGE CONSTRUCTION

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

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 FILE => 56-0845-e-StageConst.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	10/24/19 03/05/20 05/19/20 08/05/20	6	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	325	358

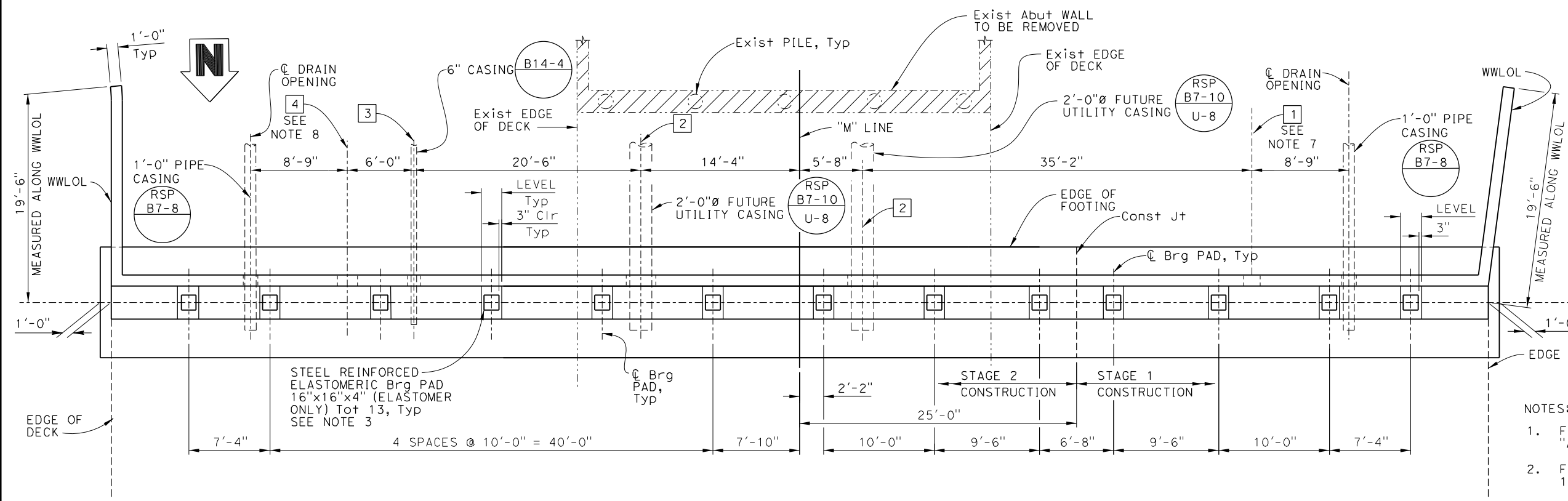
08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

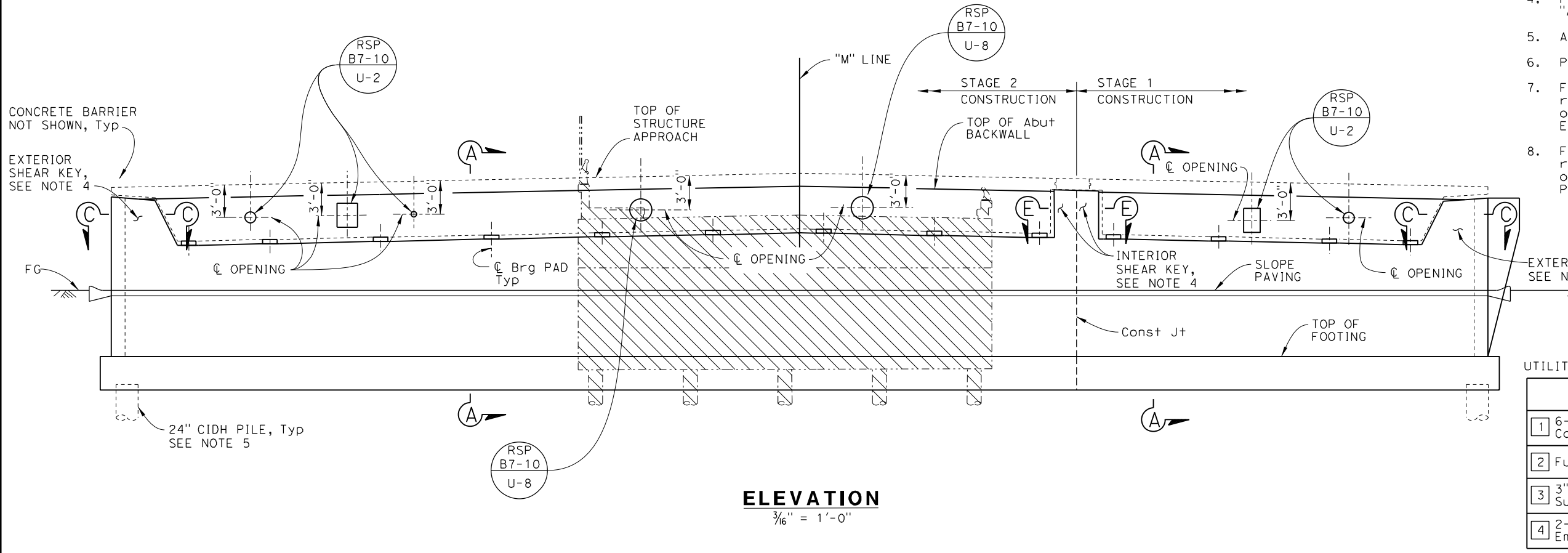
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- NOTES:
- For abutment footing and pile layout, see "ABUTMENT FOOTING & PILE LAYOUT" sheet.
 - For "SECTION A-A", see "ABUTMENT DETAILS NO. 1" sheet.
 - For "BEARING PAD DETAIL", see "ABUTMENT DETAILS NO. 1" sheet.
 - For "SECTION C-C" and "SECTION E-E", see "ABUTMENT DETAILS NO. 2" sheet.
 - All piles not shown for clarity.
 - Pilasters not shown for clarity.
 - For structure bond cable and additional requirements of the abutment backwall opening, see "CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS".
 - For structure bond cable and additional requirements of the abutment backwall opening, see "SCE BRIDGE CONDUIT INSTALLATION PLANS".



UTILITIES:

LOCATION	OPENING AT BACKWALL
1 6'-5" Dia Electrical Conduits	2'-2"H x 1'-6"W (SEE NOTE 7)
2 Future Utility	PER RSP B7-10
3 3" Dia Water Irrigation Supply Line	8" Dia
4 2'-6" Dia & 4'-5" Dia Empty Elect Conduits	2'-2"H x 1'-10"W (SEE NOTE 8)

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2

MORENO BEACH DRIVE OC (REPLACE)
ABUTMENT 1 LAYOUT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	327	358

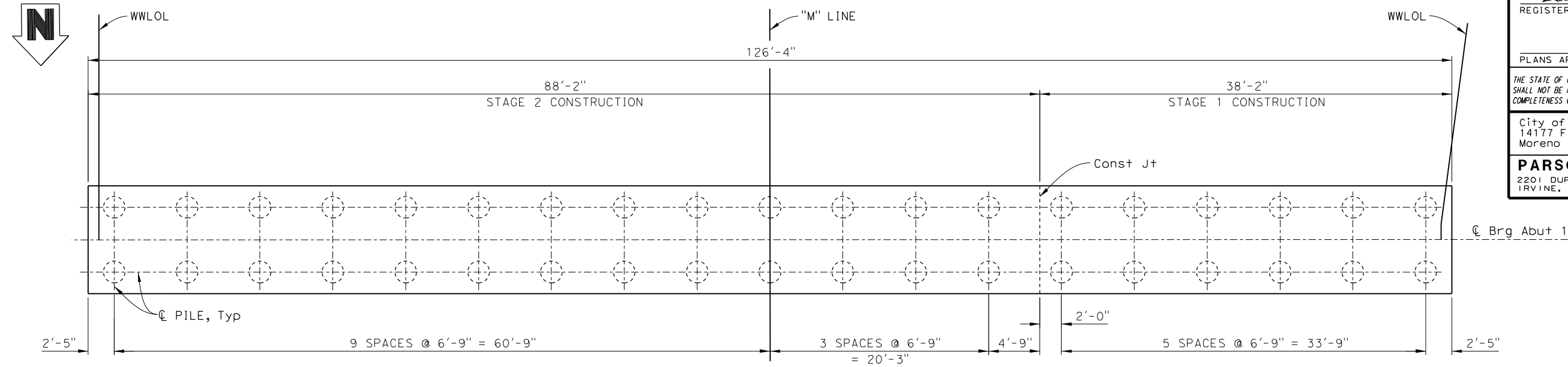
08/05/20
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 Breanna H Lux
 No. C83083
 Exp. 9-30-22
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PLANS APPROVAL DATE

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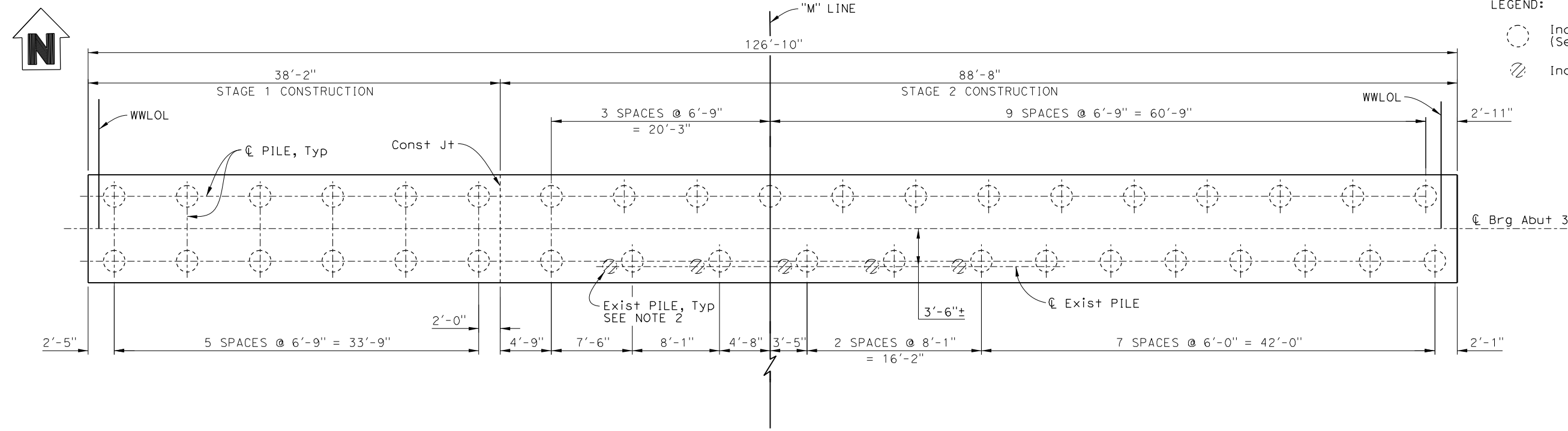
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ABUTMENT 1 FOOTING & PILE LAYOUT
 $\frac{3}{16}'' = 1'-0''$

- NOTES:
- For 24" Dia CIDH pile details see B2-3
 - Location of piles may be adjusted to avoid conflicts with existing piles as permitted by the Engineer.

- LEGEND:
- Indicates 24" Dia CIDH Pile (See Note 1)
 - ⊗ Indicates Existing 16" Dia Pile



ABUTMENT 3 FOOTING & PILE LAYOUT
 $\frac{3}{16}'' = 1'-0''$

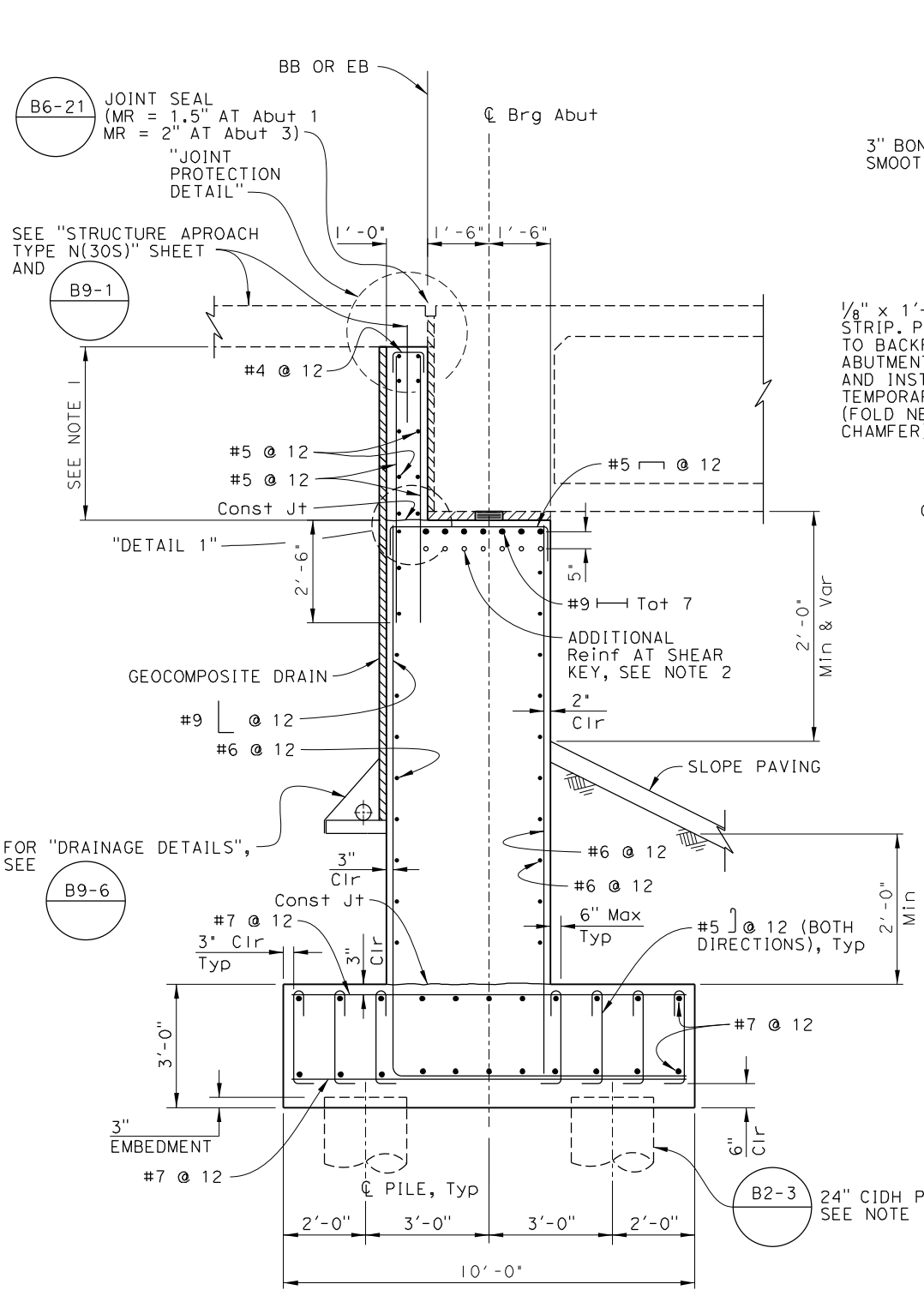
NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT <i>Lily Sun</i> 08/10/2020 SIGN OFF DATE	DESIGN	BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE) ABUTMENT FOOTING & PILE LAYOUT	
	DETAILS	BY S. Weight	CHECKED K. BOWES		POST MILE	19.2		
	QUANTITIES	BY B. Lux	CHECKED K. BOWES		PROJECT ENGINEER	Kevin Michalski		
DATE PLOTTED => 03-AUG-2020 FILE => 56-0845-T-g01pd+01.dgn	TIME PLOTTED => 08:15 USERNAME => p004336A	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591	CONTRACT No.: 08-323034	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 10/24/19 03/05/20 05/19/20 08/05/20	SHEET 9 OF 40

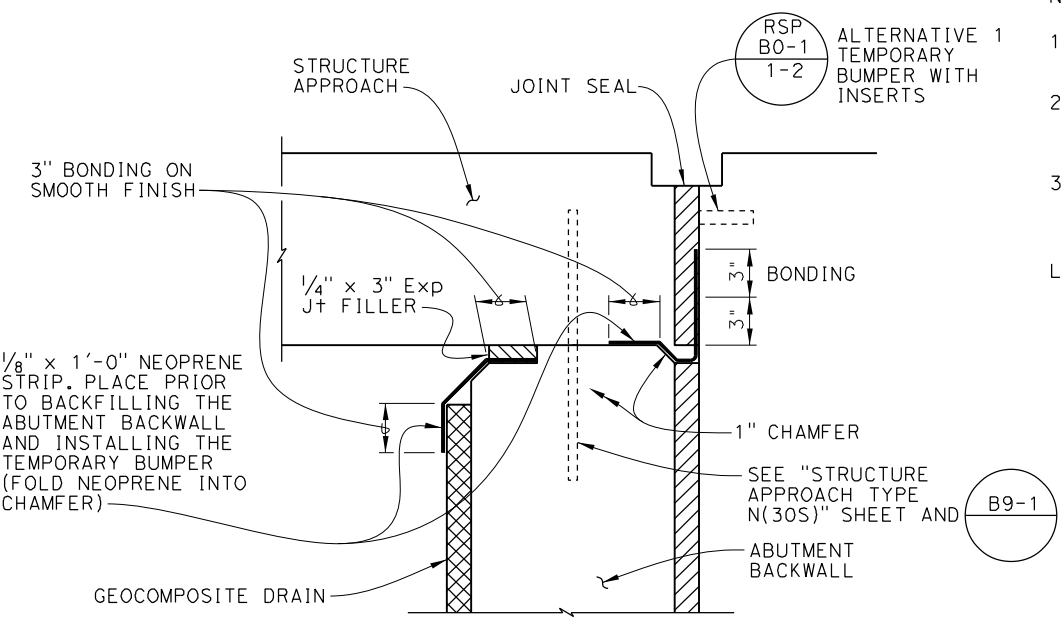
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	328	358
		08/05/20 REGISTERED CIVIL ENGINEER DATE			
PLANS APPROVAL DATE					
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City of Moreno Valley 14177 Frederick Street Moreno Valley, CA 92552					
PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CA 92612					

- NOTES:
- Place backwall after prestressing is complete.
 - For additional abutment reinforcement at shear key, see "ABUTMENT DETAILS NO. 2" sheet.
 - Hook CIDH pile reinforcement as high as possible or as directed by the Engineer.

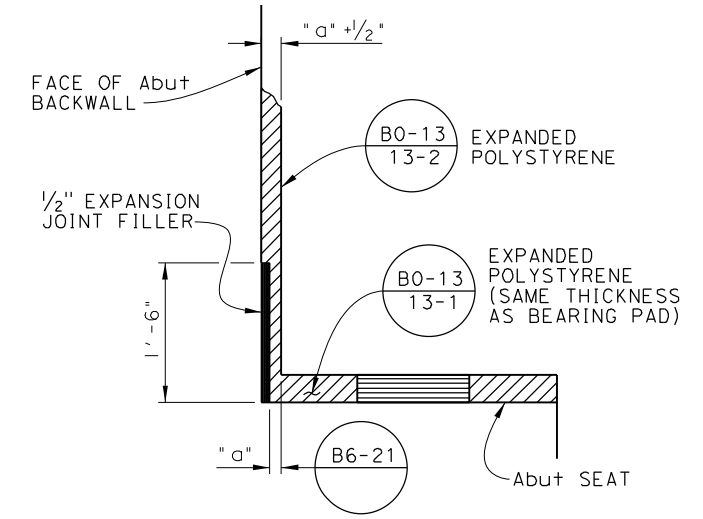
LEGEND:
 Indicates Headed Reinforcement



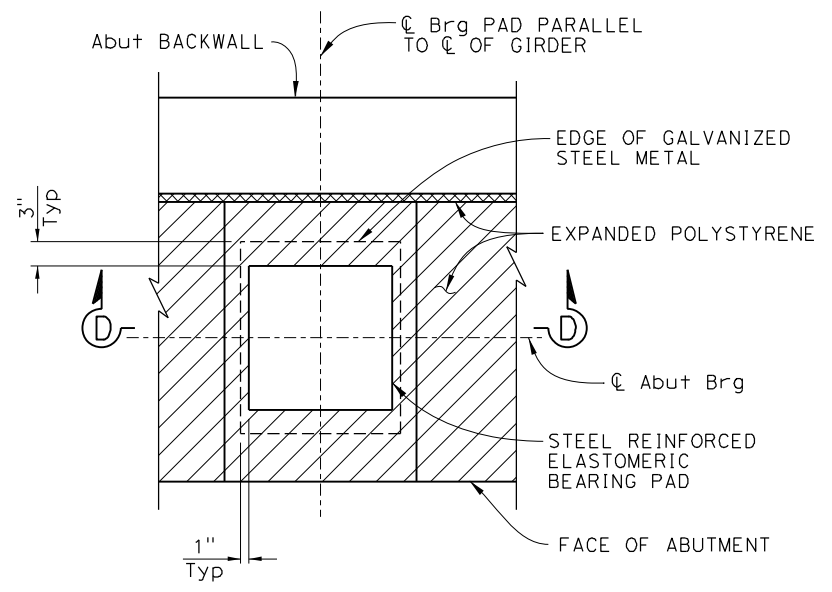
SECTION A-A
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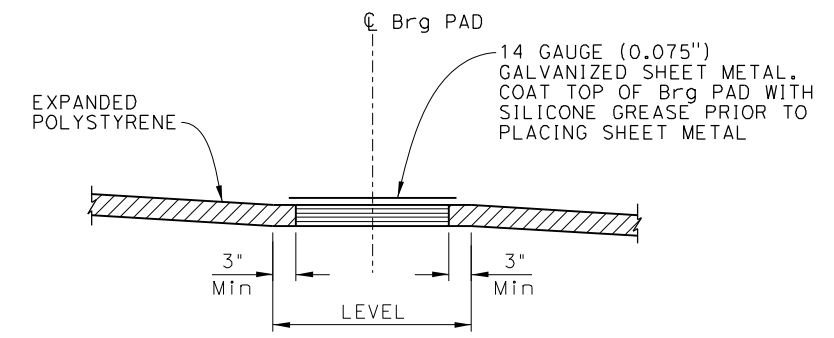
JOINT PROTECTION DETAIL
 NO SCALE



DETAIL 1
 NO SCALE



PLAN BEARING PAD DETAIL
 1" = 1'-0"



SECTION D-D
 NO SCALE

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT

 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

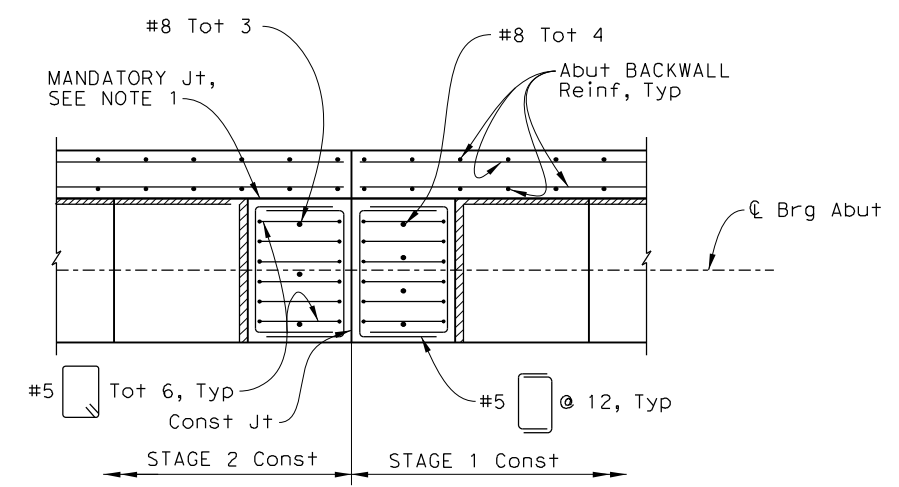
BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
ABUTMENT DETAILS NO. 1

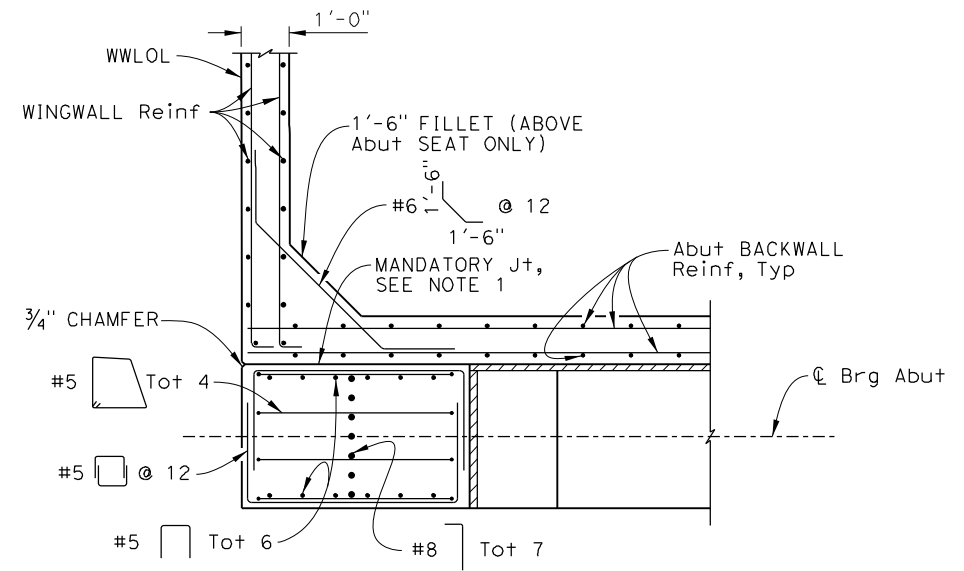
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	329	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

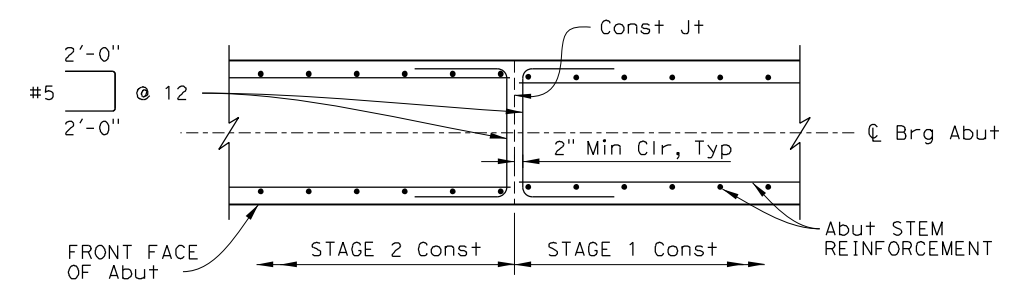
PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
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 Moreno Valley, CA 92552
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 IRVINE, CA 92612



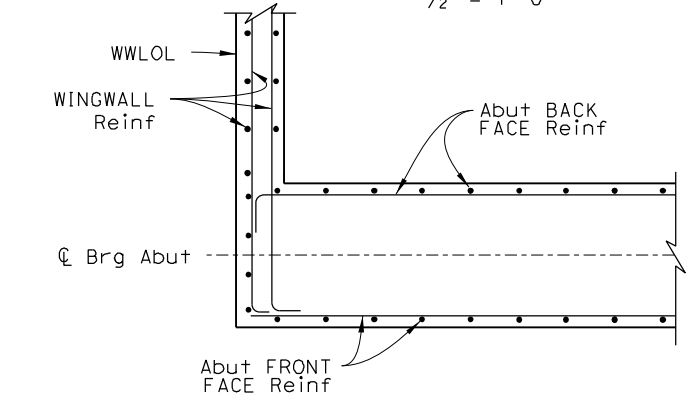
SECTION E-E
 $1/2" = 1'-0"$



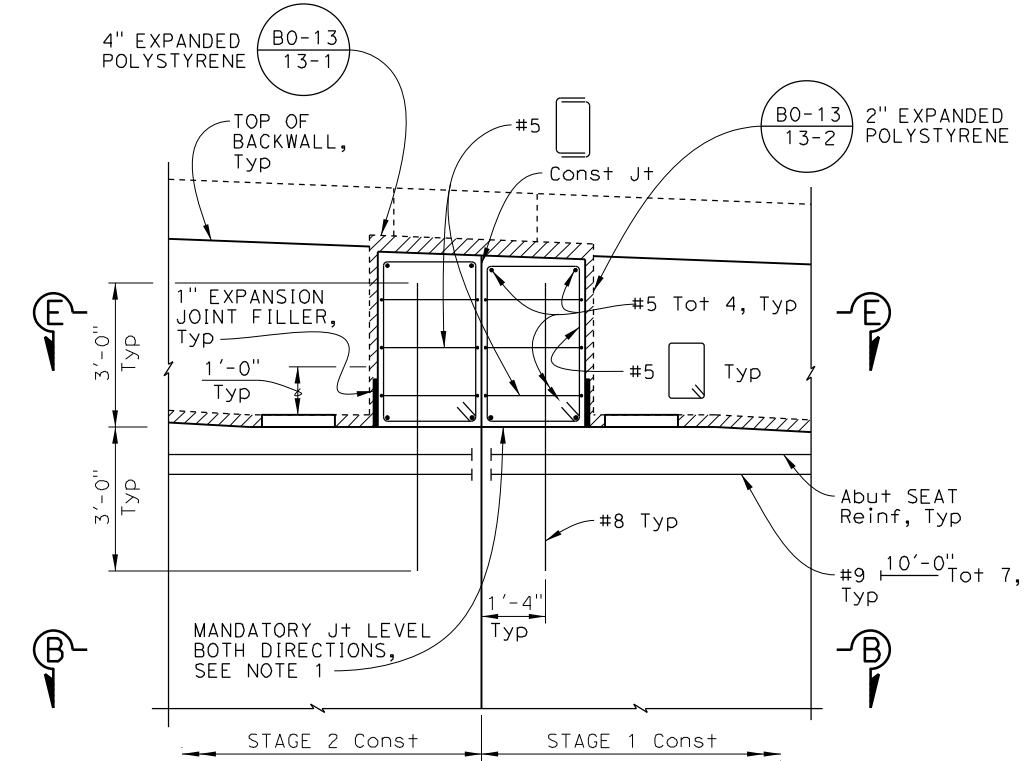
SECTION C-C
 $1/2" = 1'-0"$



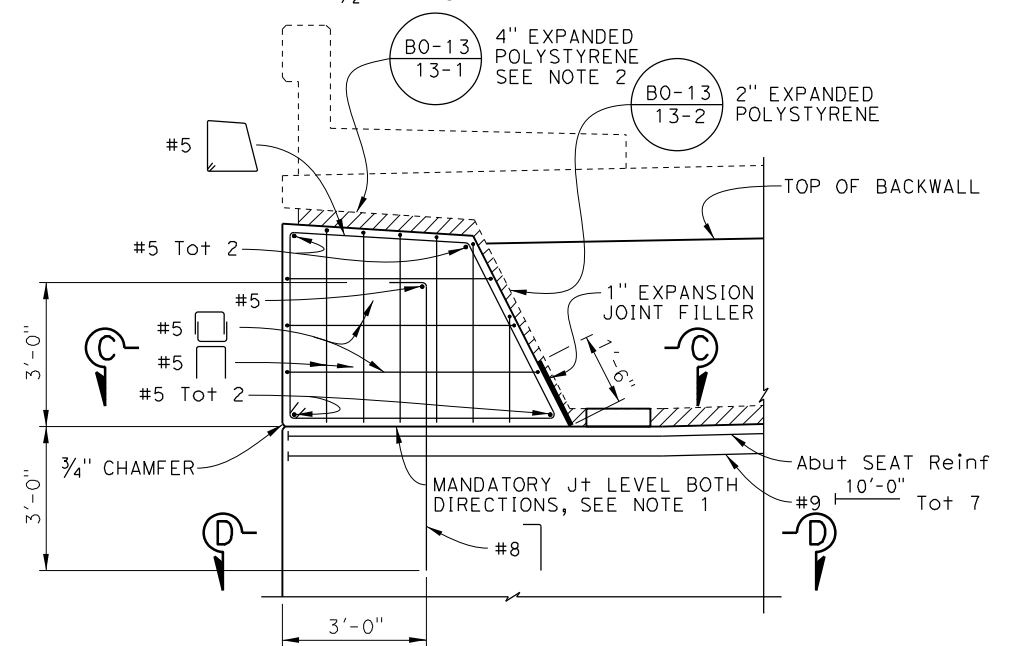
SECTION B-B
 $1/2" = 1'-0"$



SECTION D-D
 $1/2" = 1'-0"$



INTERIOR SHEAR KEY DETAIL
 $1/2" = 1'-0"$



EXTERIOR SHEAR KEY DETAIL
 $1/2" = 1'-0"$

- NOTES:
- Mandatory joint must be smooth finished and lined with 15 pound construction paper.
 - Remove outer 4" of expanded polystyrene after construction.
- LEGEND:
- Indicates Headed Reinforcement

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.


DESIGN OVERSIGHT
 Lily Sun
 8/10/2020

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	
ABUTMENT DETAILS NO. 2		

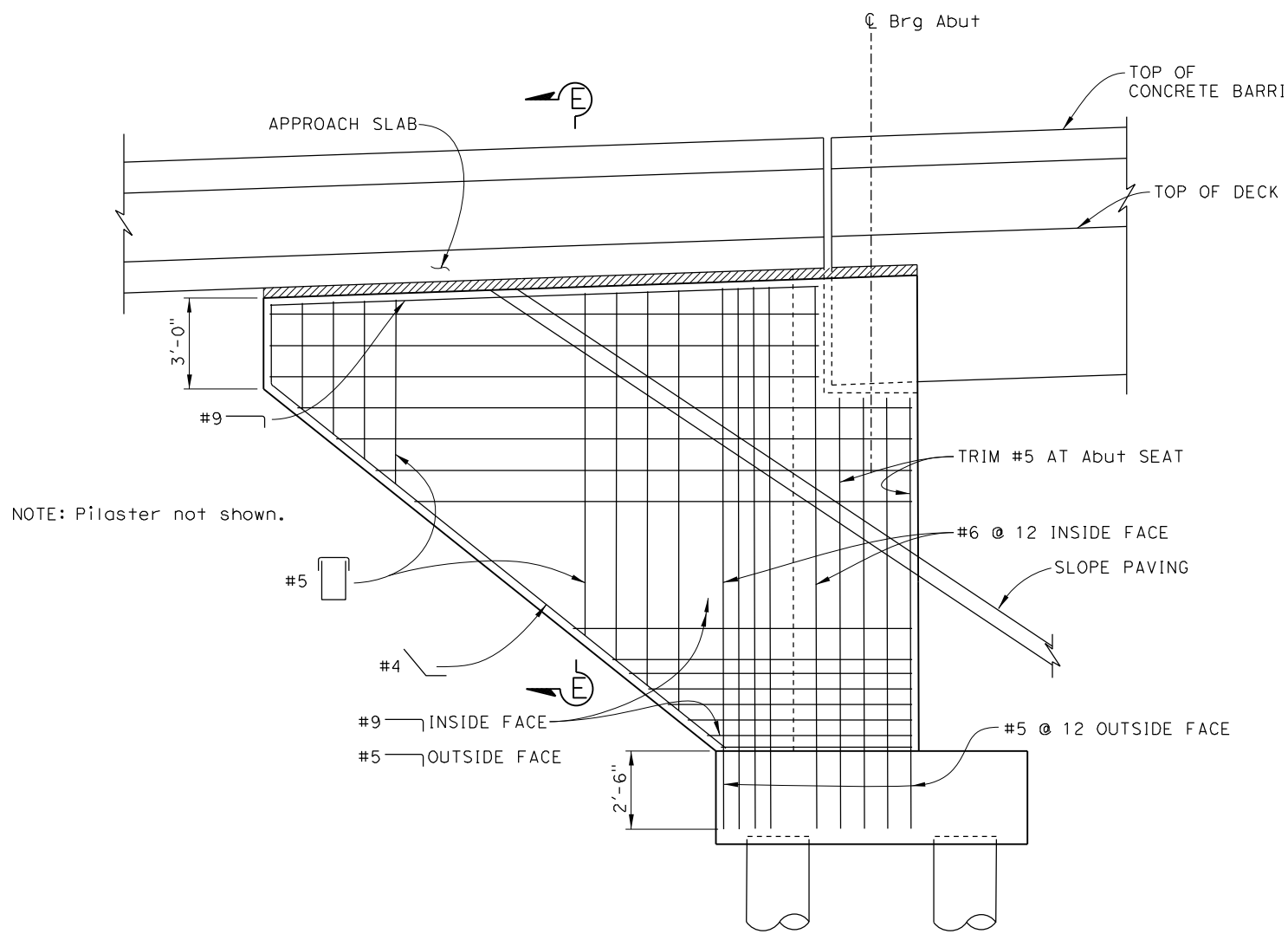
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	330	358

 08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H. Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

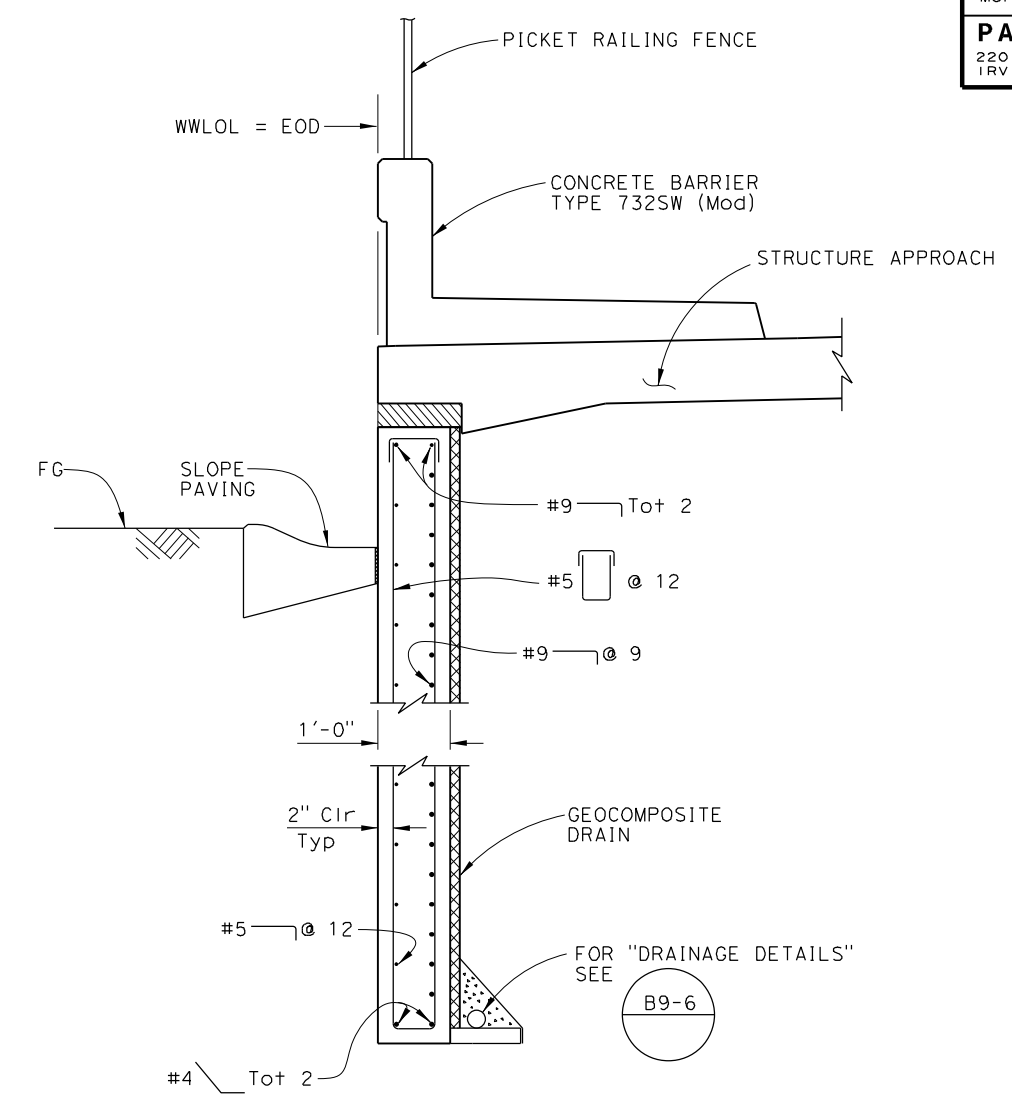
PLANS APPROVAL DATE _____

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ABUTMENT WINGWALL ELEVATION
 $\frac{3}{8}'' = 1'-0''$



SECTION E-E
 $\frac{3}{4}'' = 1'-0''$

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT 8/10/2020 SIGN OFF DATE	DESIGN BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 56-0845	MORENO BEACH DRIVE OC (REPLACE)
	DETAILS BY S. Weight	CHECKED K. BOWES		PROJECT ENGINEER Kevin Michalski	
	QUANTITIES BY B. Lux	CHECKED K. BOWES		POST MILE 19.2	ABUTMENT DETAILS NO. 3
DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)	DATE PLOTTED => 03-AUG-2020 FILE => 56-0845-T-a03d103.dgn	TIME PLOTTED => 08:17 USERNAME => p004336A	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591	CONTRACT No.: 08-323034
				DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 10/24/19, 03/05/20, 05/19/20, 08/05/20
				SHEET 12	OF 40

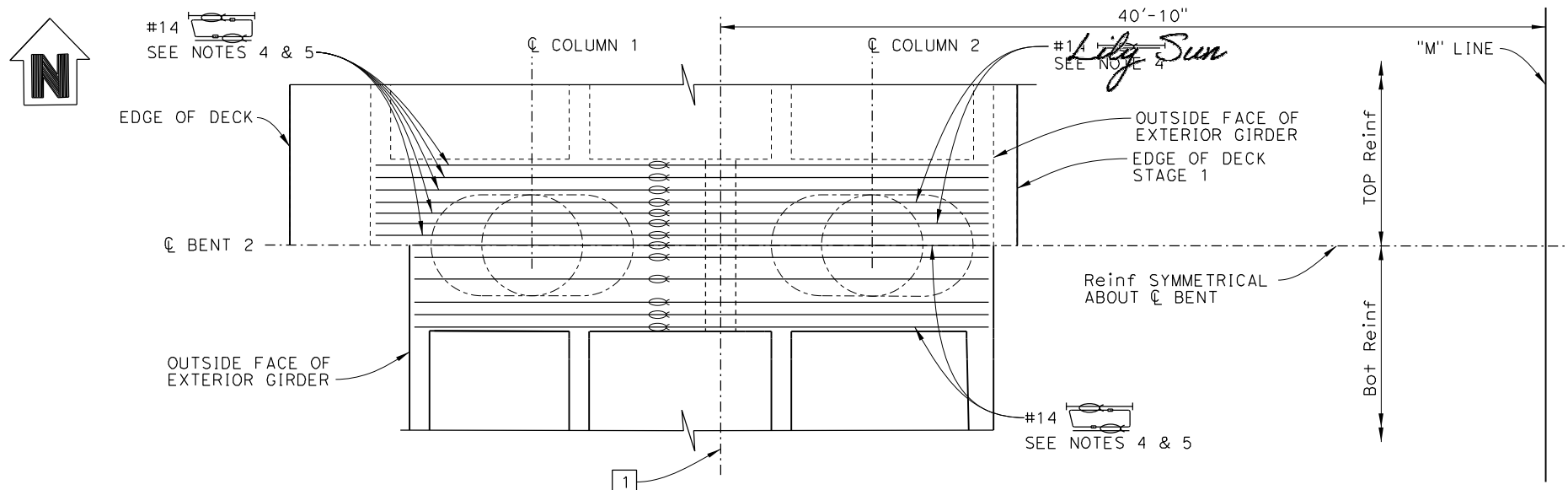
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	331	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

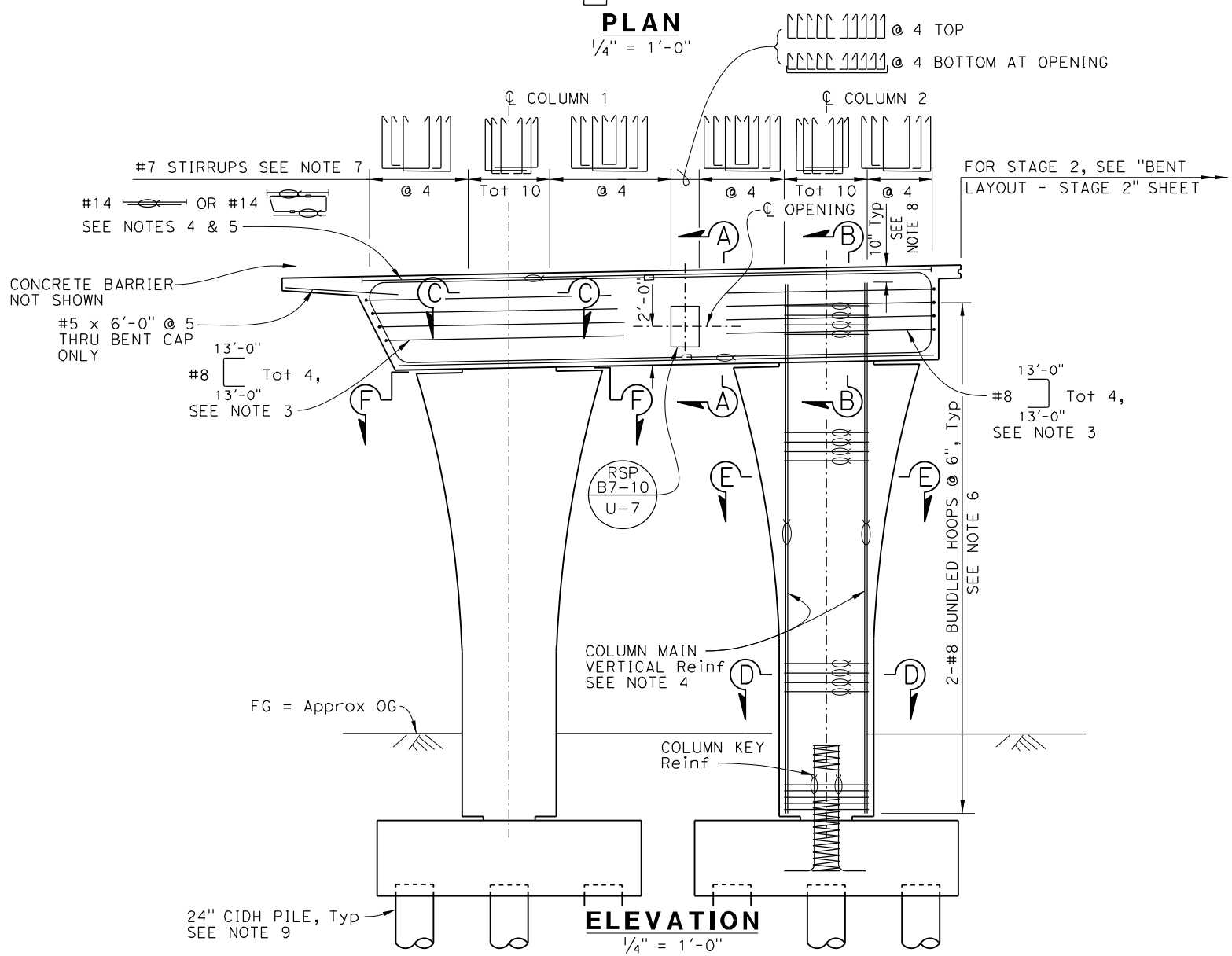
PLANS APPROVAL DATE
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PLAN
1/4" = 1'-0"



UTILITIES:

LOCATION	OPENING AT BENT
1 6-5" Dia Electrical Conduits	2'-2"H x 1'-6"W

LEGEND:

- Indicates Bundled Reinforcement
- Indicates Headed Reinforcement

NOTES:

- For "SECTION A-A" through "SECTION C-C", see "BENT DETAILS NO. 1" sheet
- For "SECTION D-D" through "SECTION F-F", see "BENT DETAILS NO. 2" sheet.
- For additional reinforcement and details at bent cap ends, see "BENT DETAILS NO. 3" sheet.
- No splices allowed in straight bent cap main reinforcement and column main vertical reinforcement.
- Mechanical couplers must be "Service" spliced, staggered at 2'-0" and centered between columns. Number and location of couplers are shown for illustration purposes only.
- All hoops must be "Ultimate Butt" spliced.
- Place stirrups parallel to C Girder and space along C Bent.
- Where column main vertical reinforcement interferes with prestressing, hook reinforcement as high as possible to clear prestress ducts or as directed by the Engineer.
- For CIDH pile details, see "BENT FOOTING DETAILS - STAGE 1" sheet.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun DESIGN OVERSIGHT 8/10/2020 SIGN OFF DATE	DESIGN	BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE) BENT LAYOUT - STAGE 1	
	DETAILS	BY S. Weight	CHECKED K. BOWES		PROJECT ENGINEER	POST MILE		19.2
	QUANTITIES	BY B. Lux	CHECKED K. BOWES		Kevin Michalski	CONTRACT No.:		08-323034

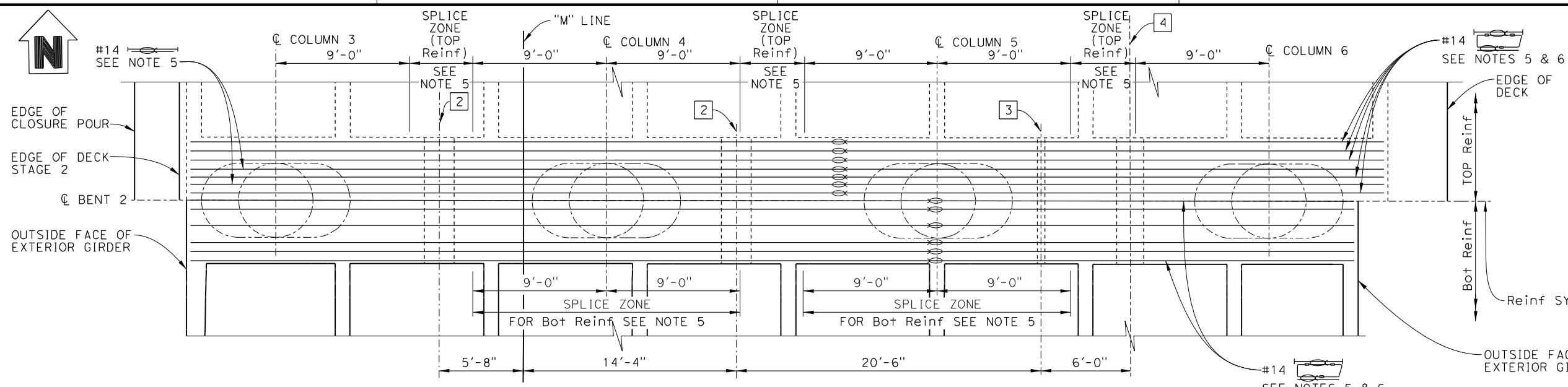
DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:18 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-n-b02_1a01.dgn USERNAME => p004336A

UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591 CONTRACT No.: 08-323034 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 10/24/19 03/05/20 05/19/20 08/05/20 SHEET 13 OF 40

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	332	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
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PLANS APPROVAL DATE
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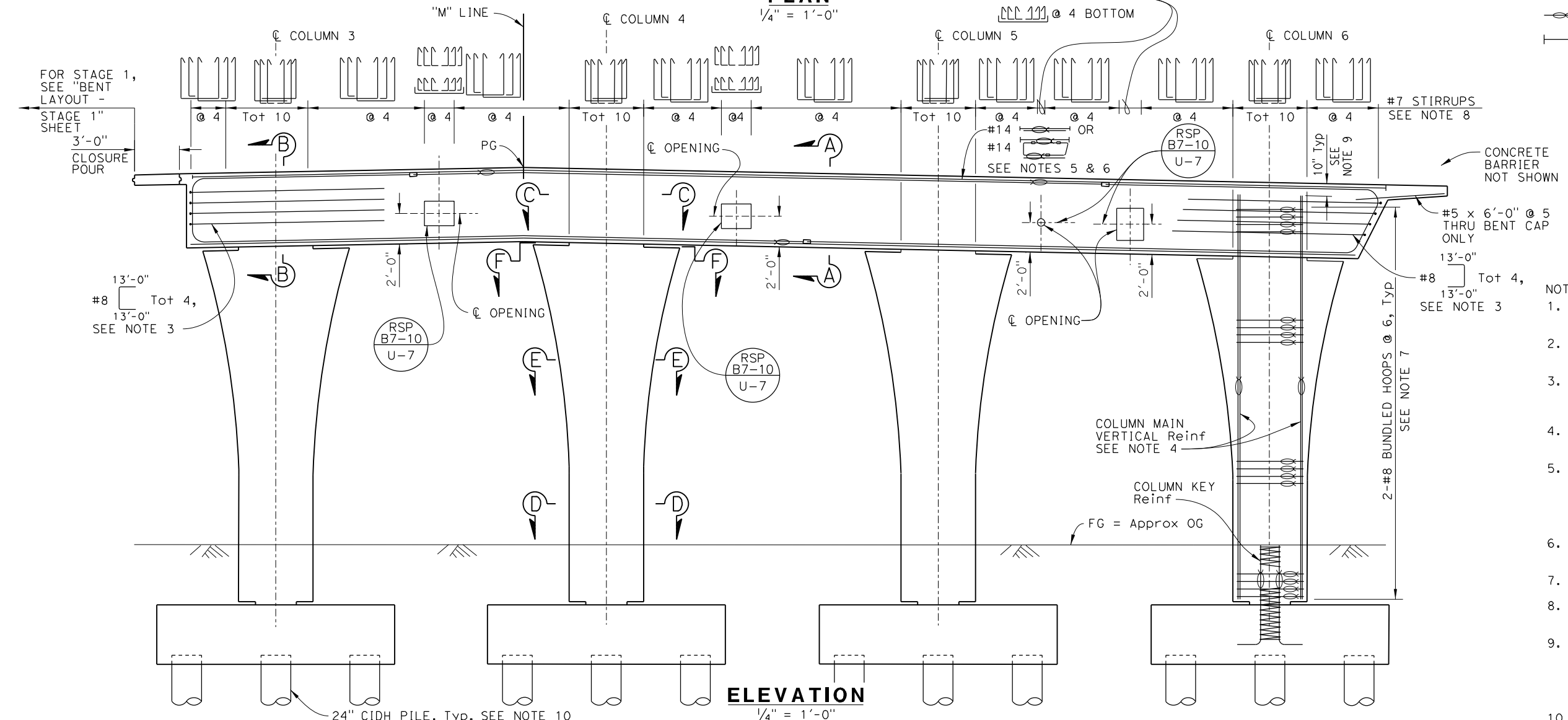


PLAN
 1/4" = 1'-0"

LEGEND:
 — Indicates Bundled Reinforcement
 — Indicates Headed Reinforcement

UTILITIES:

LOCATION	OPENING AT BENT
2 Future Utility	1'-8"H x 2'-0"W
3 3" Dia Water Irrigation Supply Line	6" Dia
4 2'-6" Dia & 4'-5" Dia Empty Elect Conduits	2'-2"H x 1'-10"W



ELEVATION
 1/4" = 1'-0"

- NOTES:
- For "SECTION A-A" through "SECTION C-C", see "BENT DETAILS NO. 1" sheet.
 - For "SECTION D-D" through "SECTION F-F", see "BENT DETAILS NO. 2" sheet.
 - For additional reinforcement and details at bent cap ends, see "BENT DETAILS NO. 3" sheet.
 - No splices allowed in column main vertical reinforcement.
 - Splices in main bent cap reinforcement must be "SERVICE" spliced within zones shown or as directed by the Engineer. Splices must be Staggered at 2'-0" Min and alternated.
 - Number and location of couplers are shown for illustration purposes only.
 - All hoops must be "Ultimate Butt" spliced.
 - Place stirrups parallel to \bar{C} Girder and space along \bar{C} Bent.
 - Where column main vertical reinforcement interferes with prestressing, hook reinforcement as high as possible to clear prestress ducts or as directed by the Engineer.
 - For CIDH pile details, see "BENT FOOTING DETAILS - STAGE 1" sheet.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
 Lily Sun
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
BENT LAYOUT - STAGE 2

DESIGN DETAIL SHEET
 (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:18 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 FILE => 56-0845-n-b02_1a02.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	10/24/19 03/05/20 05/19/20 08/05/20	14	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	333	358

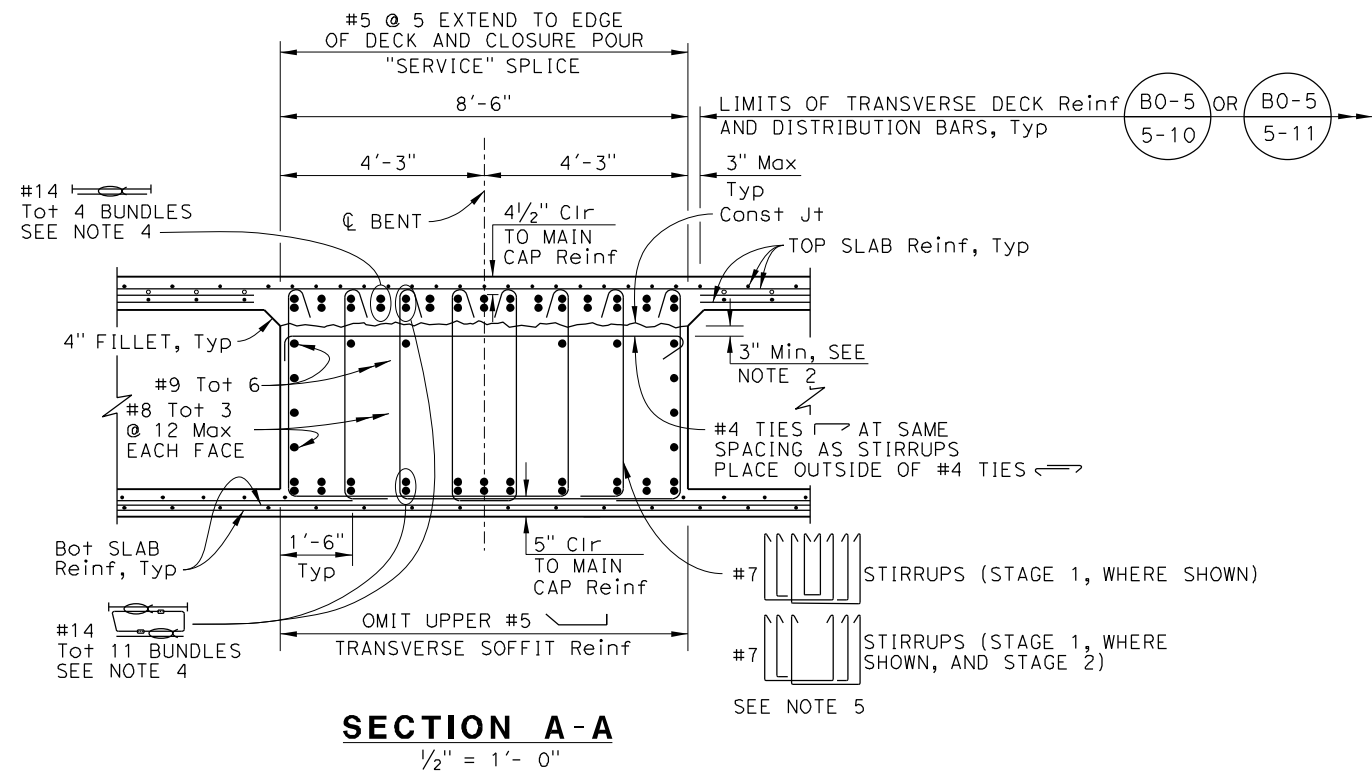
08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552
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- NOTES:
- For limits of horizontal cross ties, see "BENT DETAILS NO. 3" sheet.
 - Construction reinforcement and ties may be adjusted as necessary to clear prestress ducts.
 - Hoops may be adjusted to clear cap and soffit reinforcement as directed by the Engineer. Total number of hoops must remain unchanged.
 - For location of splice zones, see "BENT LAYOUT - STAGE 1" and "BENT LAYOUT - STAGE 2" sheets.
 - For location of bent cap stirrups, see "BENT LAYOUT - STAGE 1" and "BENT LAYOUT - STAGE 2" sheets.

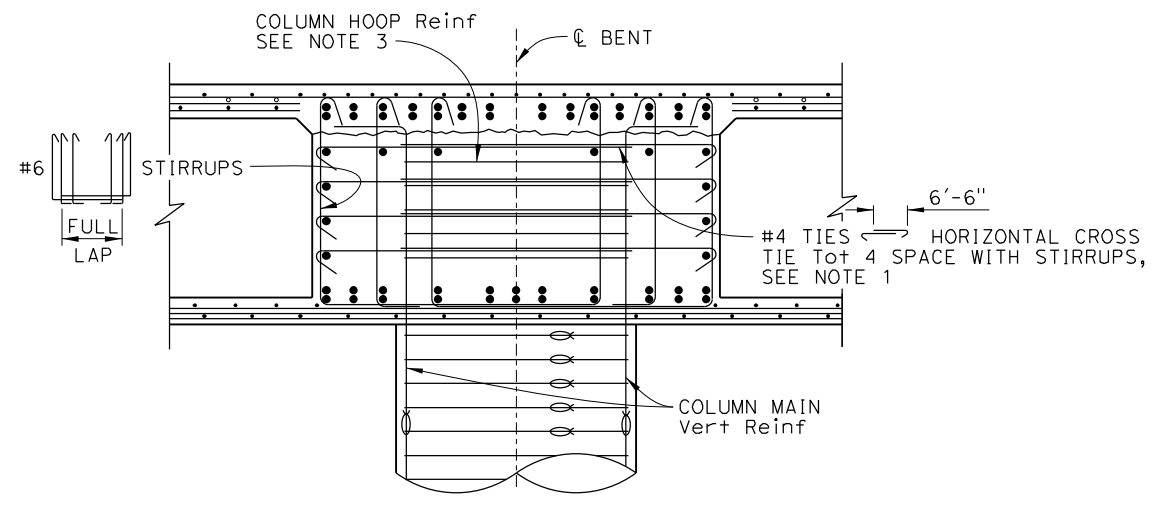
LEGEND:

 Indicates Bundled Reinforcement
 Indicates Headed Reinforcement



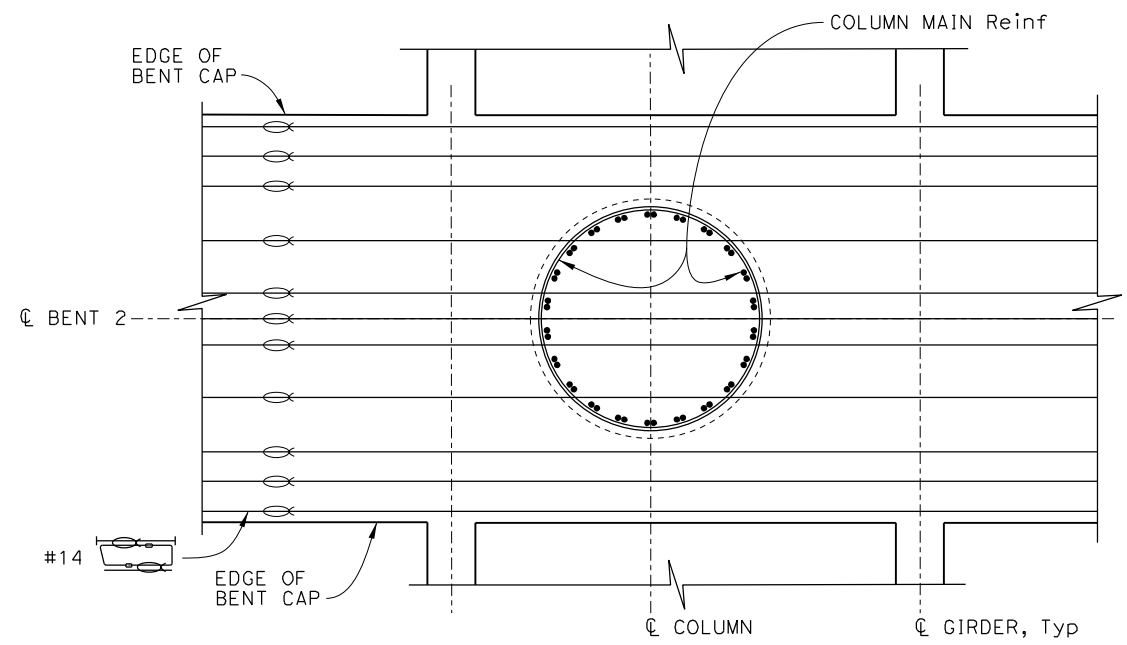
SECTION A-A
1/2" = 1'- 0"

NOTE: Stage 1 between columns shown. All other locations similar, except as noted.



SECTION B-B
1/2" = 1'- 0"

NOTE: For information not shown, see "SECTION A-A"



SECTION C-C
1/2" = 1'- 0"

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT <i>Lily Sun</i> 8/10/2020 SIGN OFF DATE	DESIGN	BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	MORENO BEACH DRIVE OC (REPLACE) BENT DETAILS NO. 1				
	DETAILS	BY S. Weight	CHECKED K. BOWES		56-0845					
	QUANTITIES	BY B. Lux	CHECKED K. BOWES		19.2					
DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)	DATE PLOTTED => 03-AUG-2020	TIME PLOTTED => 08:19	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 2232	PROJECT NUMBER & PHASE: 08120000591	CONTRACT No.: 08-323034	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 15	OF 40

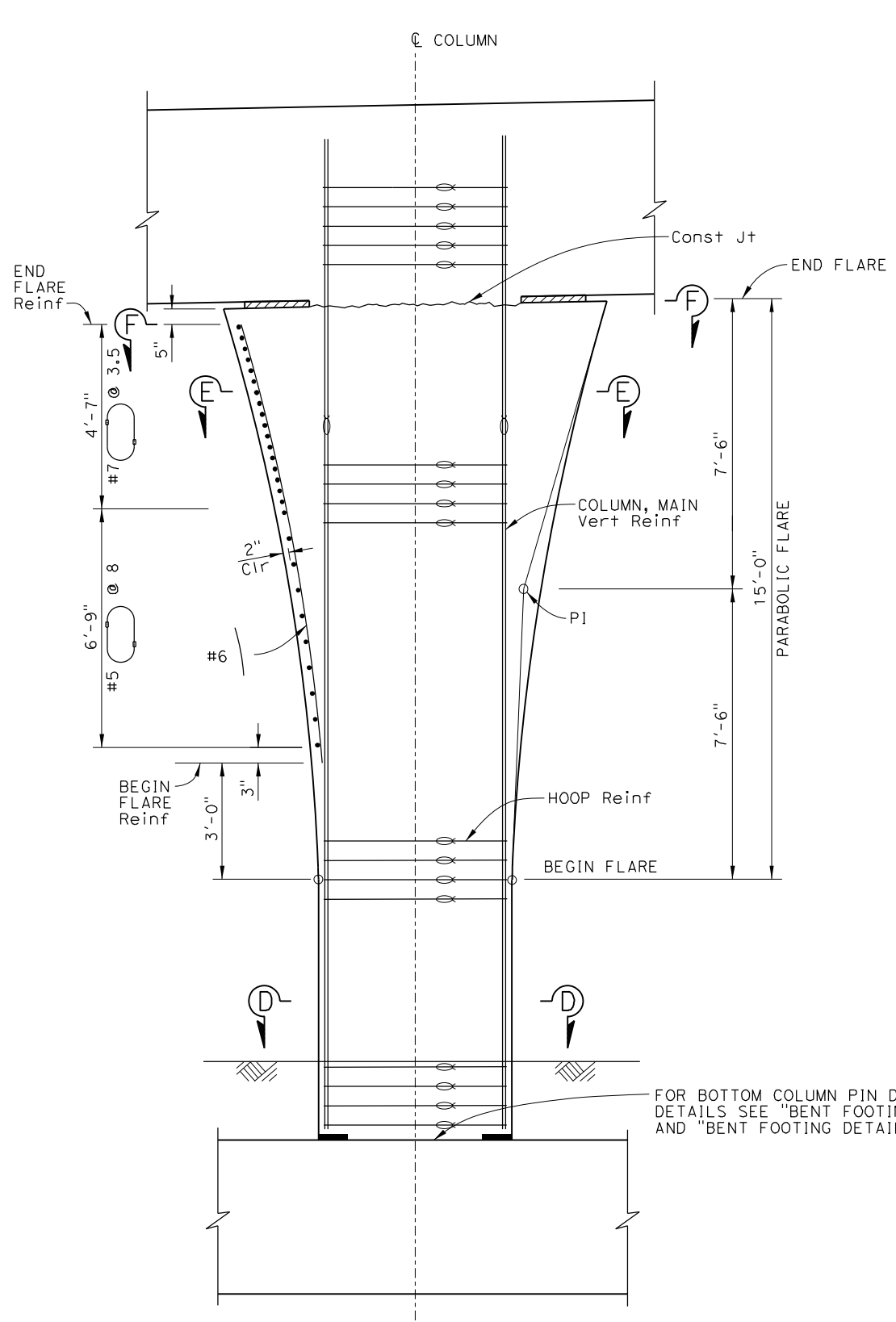
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	334	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

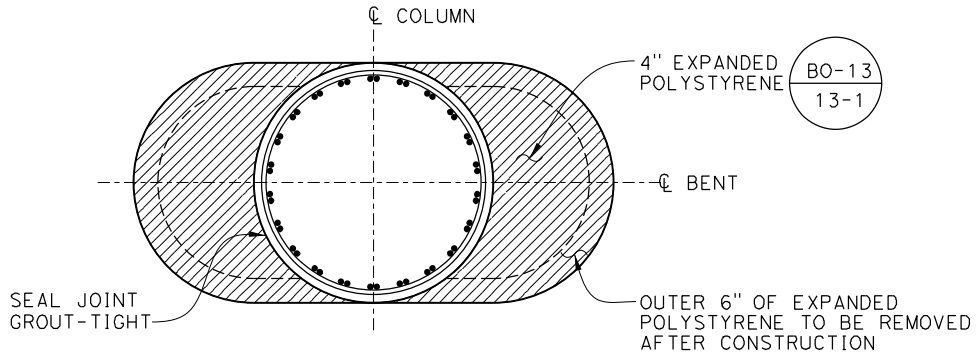
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City of Moreno Valley
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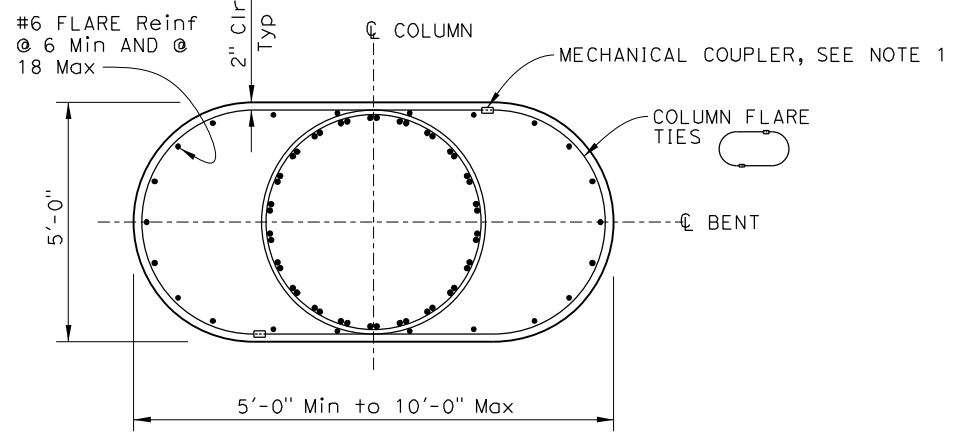
COLUMN FLARE DETAIL
1/2" = 1'-0"

FOR BOTTOM COLUMN PIN DETAILS AND FOOTING DETAILS SEE "BENT FOOTING DETAILS-STAGE 1" AND "BENT FOOTING DETAILS-STAGE 2" SHEETS



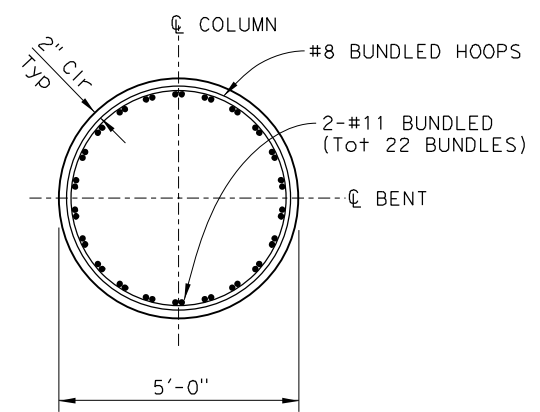
SECTION F-F
1/2" = 1'-0"

NOTE: For information not shown, see "SECTION D-D".



SECTION E-E
1/2" = 1'-0"

NOTE: For information not shown, see "SECTION D-D".



SECTION D-D
1/2" = 1'-0"

NOTE:

- Mechanical couplers must be staggered symmetrically about \bar{C} column and "Service" spliced.

LEGEND:

Indicates Bundled Reinforcement

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.


Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

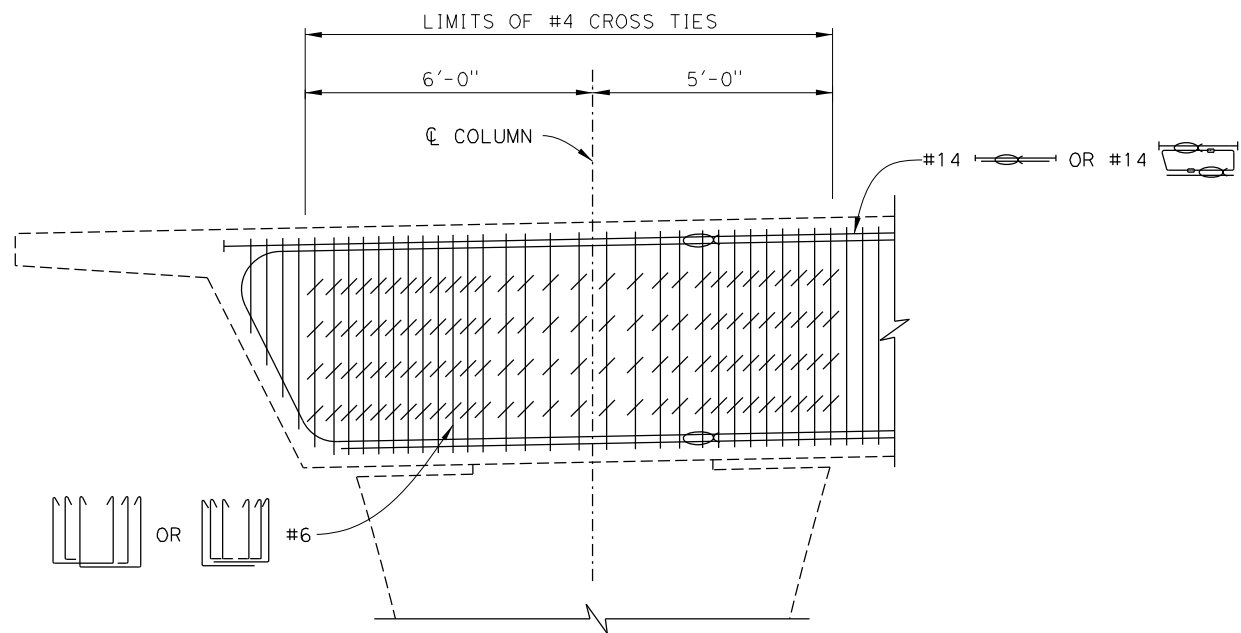
PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	
BENT DETAILS NO. 2		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	335	358

 08/05/20
 REGISTERED CIVIL ENGINEER DATE
 REGISTERED PROFESSIONAL ENGINEER
 No. C83083
 Exp. 9-30-22
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 STATE OF CALIFORNIA

PLANS APPROVAL DATE _____
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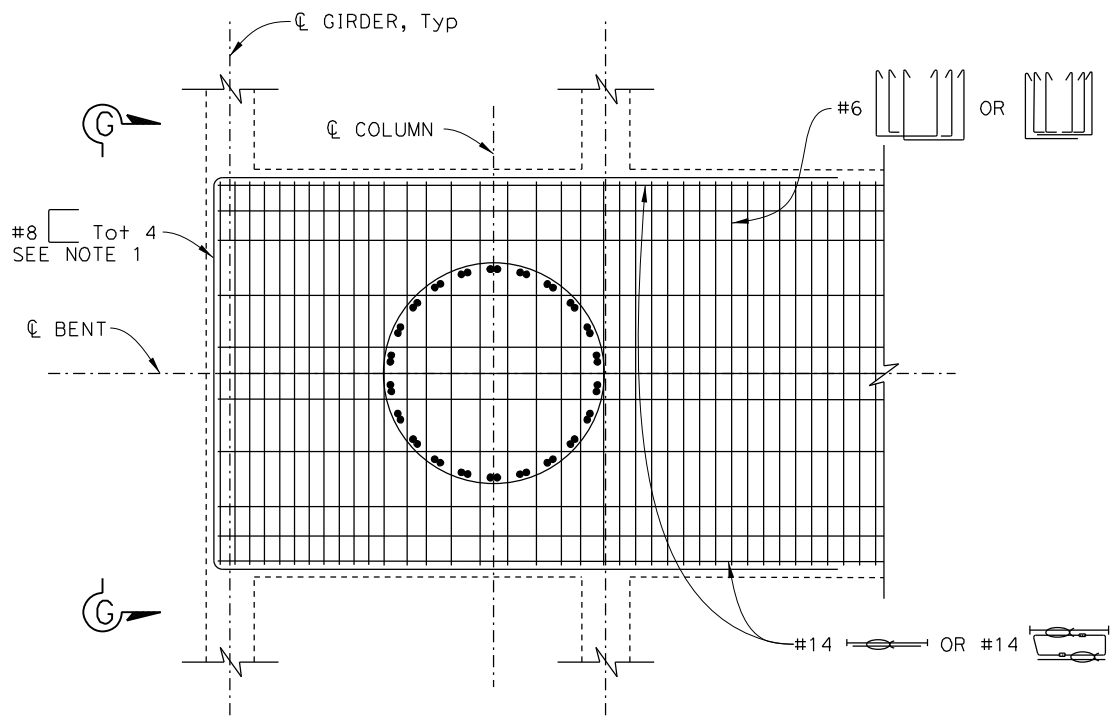


PART ELEVATION
1/2" = 1'-0"

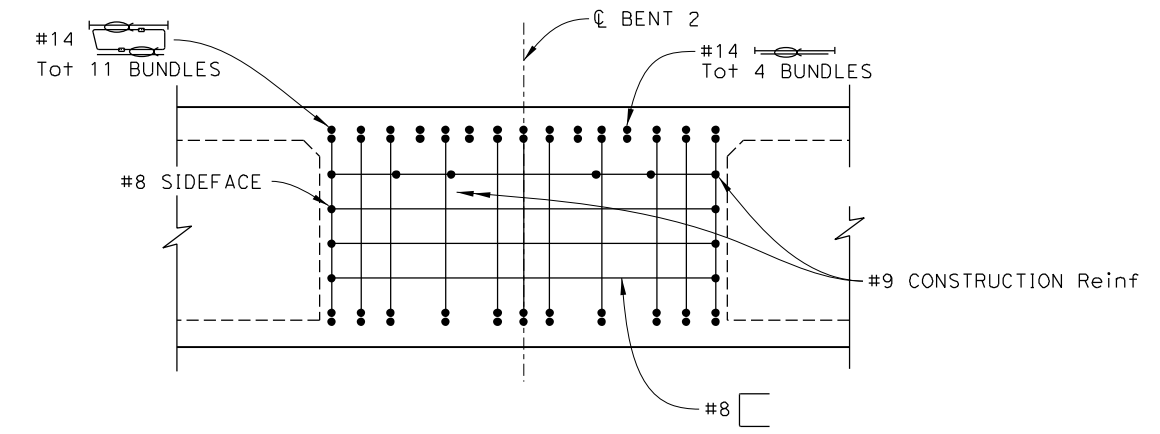
NOTE:

- Place #8 bar around bent #14 and bundle with #8 side face and #9 construction reinforcement.

LEGEND:
 Indicates Bundled Reinforcement




PART PLAN
1/2" = 1'-0"



NOTE: All reinforcement not shown.

VIEW G-G
1/2" = 1'-0"

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT

 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2
MORENO BEACH DRIVE OC (REPLACE)
BENT DETAILS NO. 3

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:20 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-n-b02d103.dgn USERNAME => p004336A

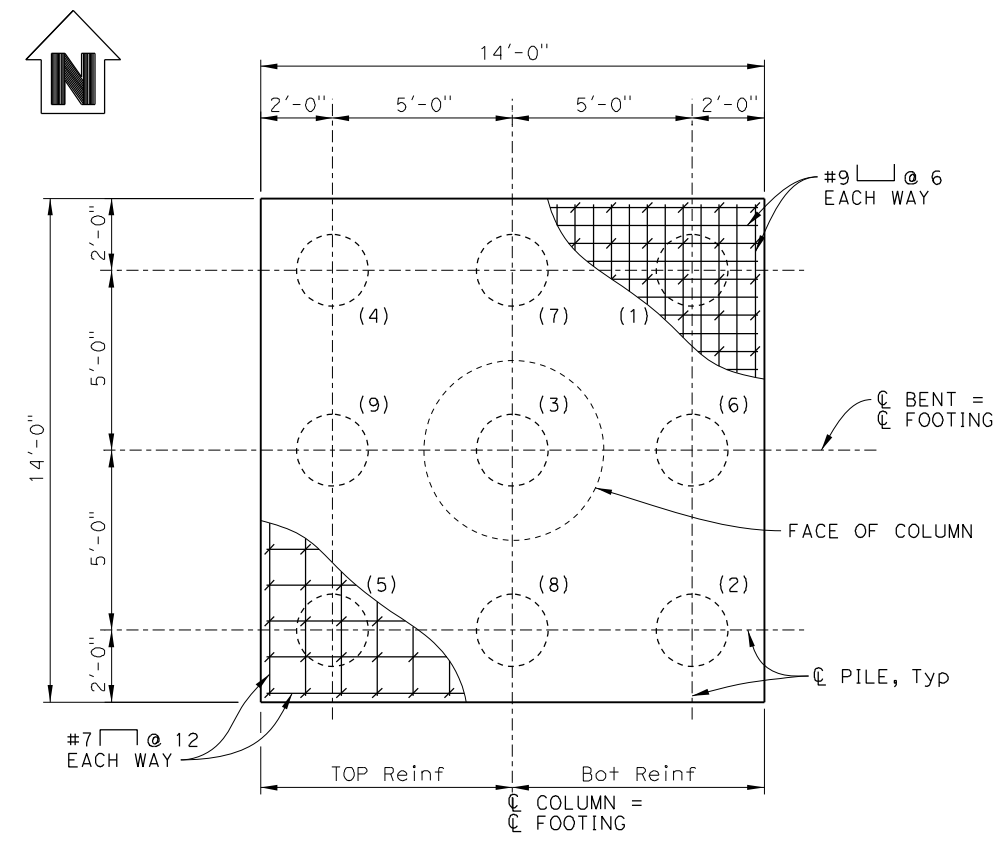
UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591 CONTRACT No.: 08-323034

REVISION DATES	SHEET	OF
10/24/19 03/05/20 05/19/20 08/05/20	17	40

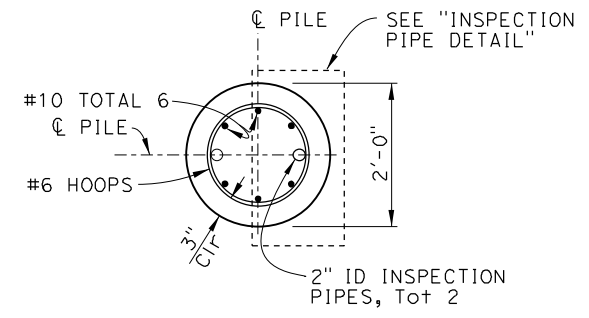
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	336	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

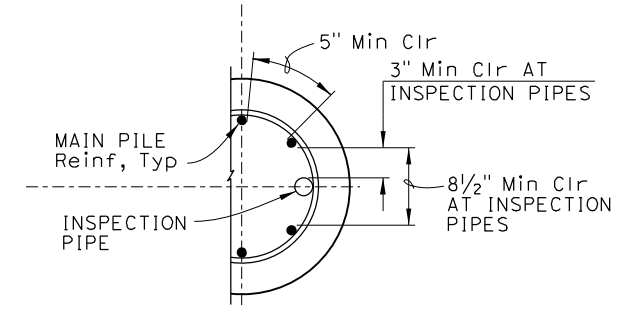
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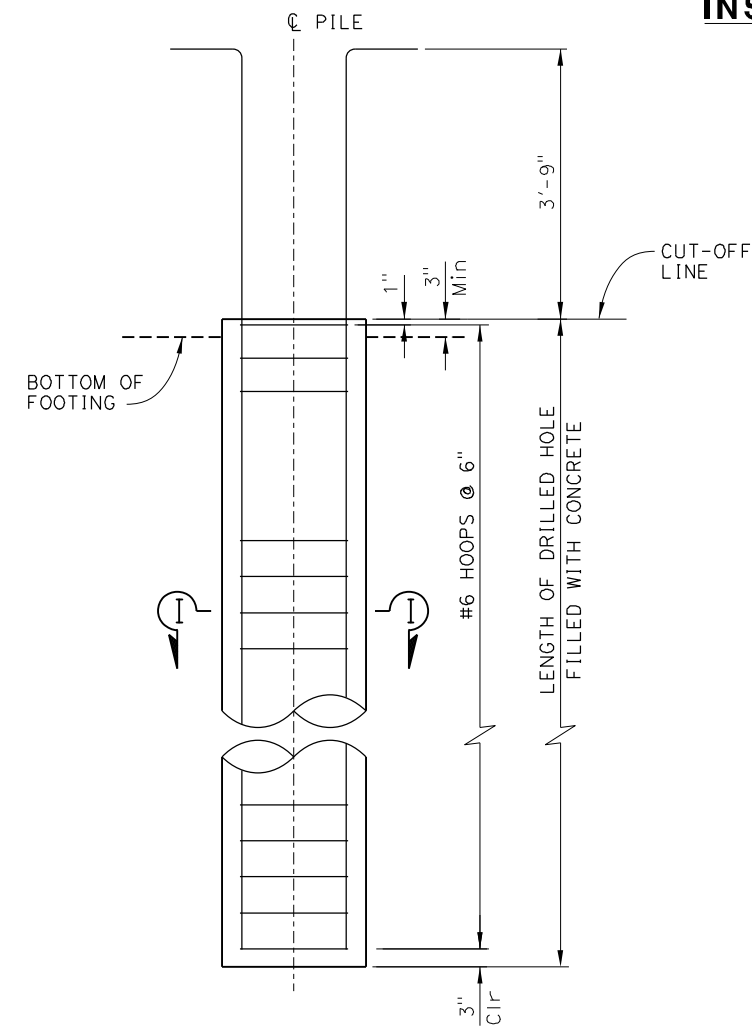
FOOTING PLAN - STAGE 1
(COLUMNS 1 & 2)
3/8" = 1'-0"



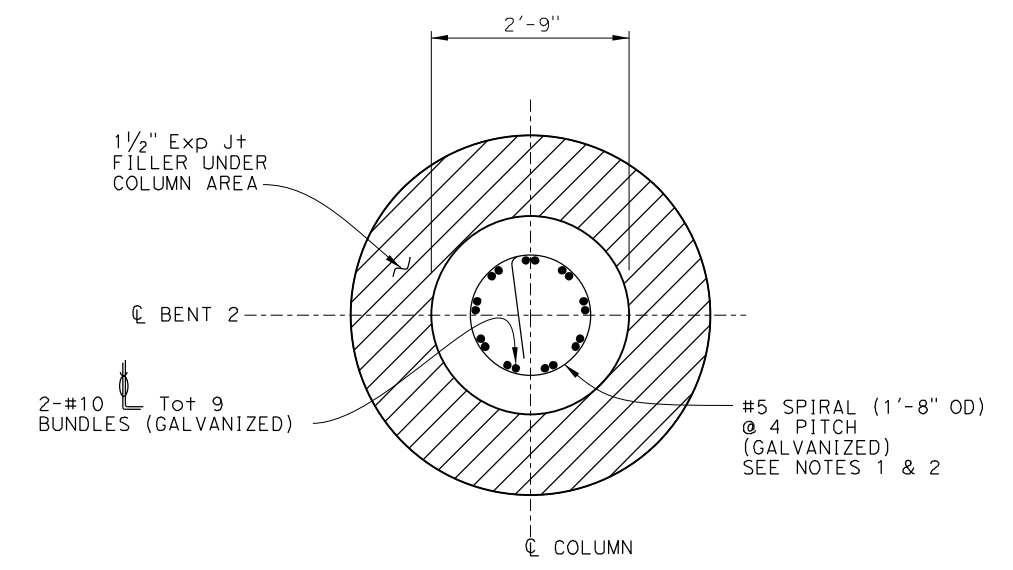
SECTION I-I
3/4" = 1'-0"



INSPECTION PIPE DETAIL
No Scale

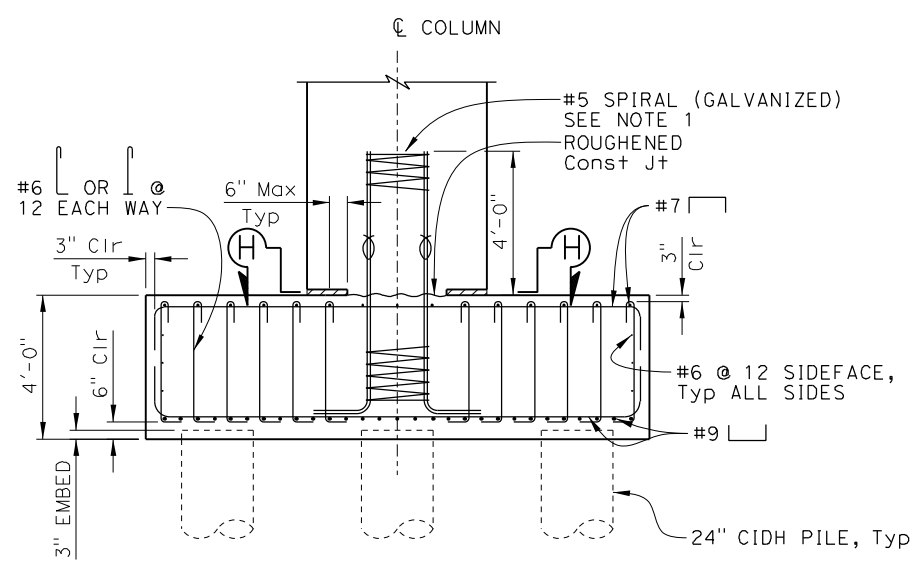


ELEVATION
24" CIDH PILE
3/4" = 1'-0"



SECTION H-H
3/4" = 1'-0"

- NOTES:
- Spiral may be discontinuous at footing top reinforcement.
 - At spiral ends, add one extra turn at half pitch and 135° hook with a 6" tail hooked around.
- LEGEND:
- ⊗ Indicates Bundled Reinforcement
 - (X) Pile Installation Sequence



FOOTING ELEVATION - STAGE 1
(COLUMN 1 & 2)
3/8" = 1'-0"

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

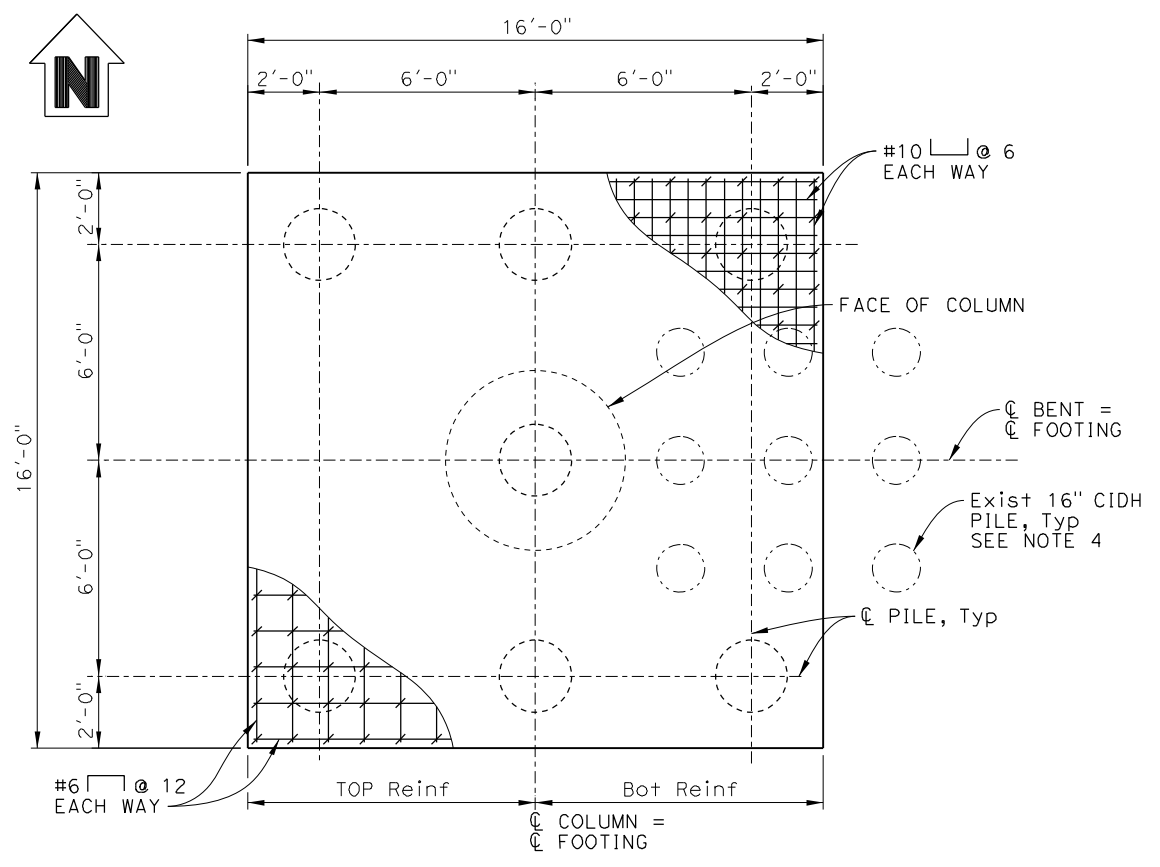
BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
PROJECT MILE	19.2	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	337	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

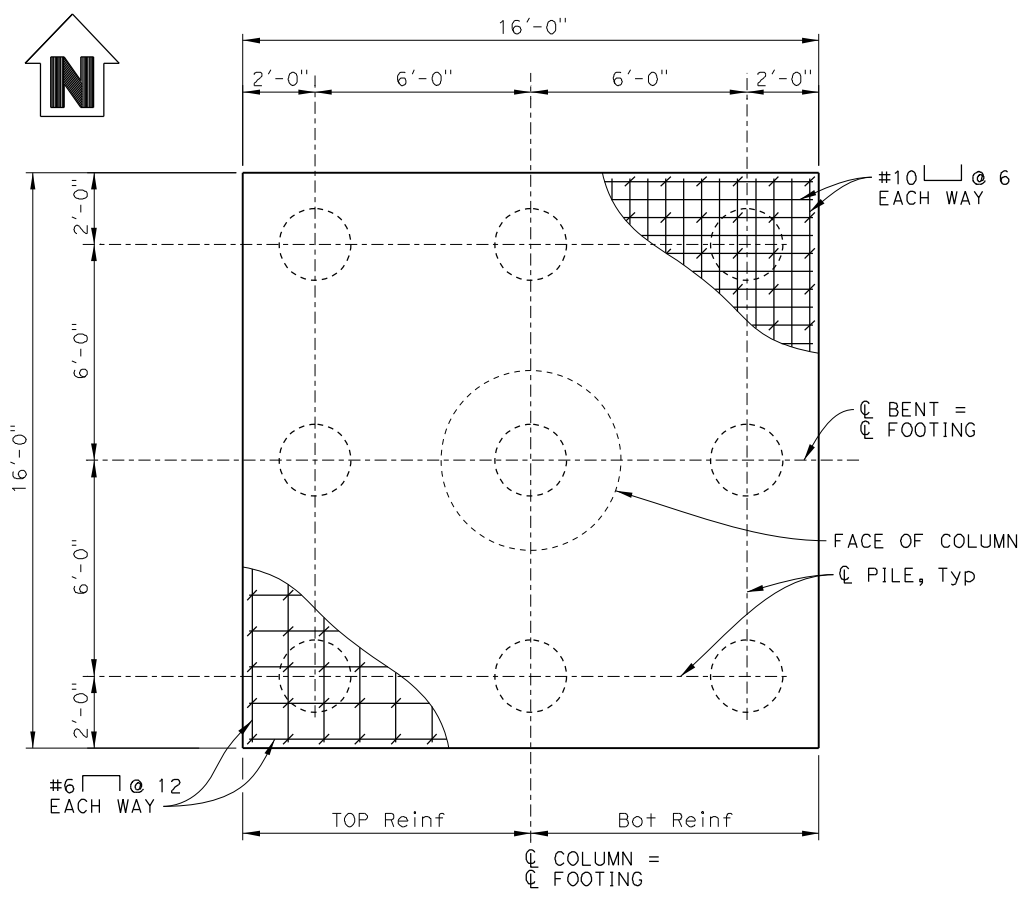
PLANS APPROVAL DATE
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 City of Moreno Valley
 14177 Frederick Street
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 IRVINE, CA 92612

- NOTES:
- For "SECTION H-H", see "BENT FOOTING DETAILS - STAGE 1" sheet.
 - Spiral may be discontinuous at footing top reinforcement.
 - For CIDH pile details, see "BENT FOOTING DETAILS - STAGE 1" sheet.
 - Location of piles may be adjusted to avoid conflicts with existing piles as permitted by the Engineer.
- LEGEND:
- ⊗ Indicates Bundled Reinforcement



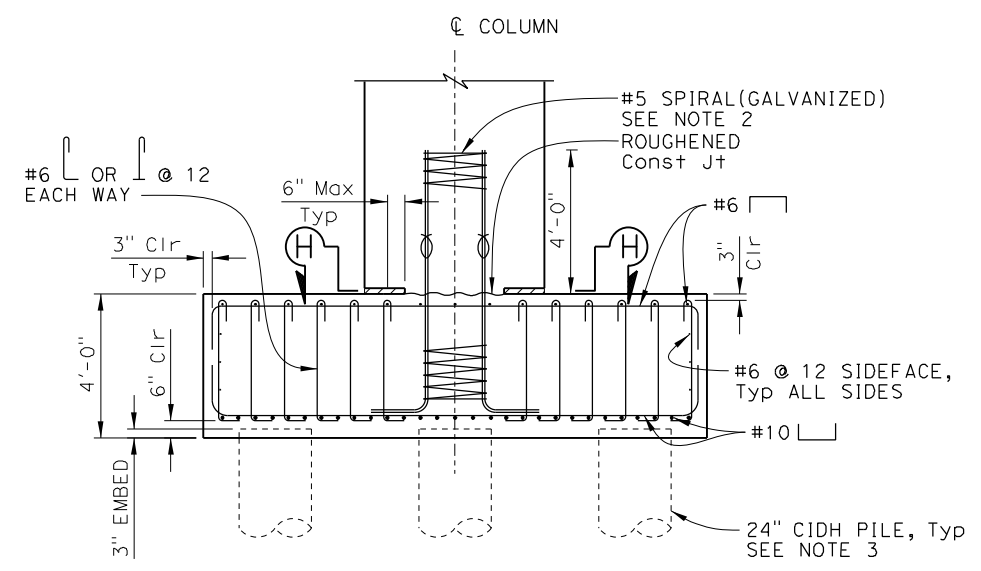
**FOOTING PLAN - STAGE 2
(COLUMNS 3 & 4)**

3/8" = 1'-0"
NOTE: Column 3 shown, Column 4 similar.



**FOOTING PLAN - STAGE 2
(COLUMNS 5 & 6)**

3/8" = 1'-0"



FOOTING ELEVATION - STAGE 2

3/8" = 1'-0"

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
BENT FOOTING DETAILS - STAGE 2

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:21 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-n-b02Fd+02.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

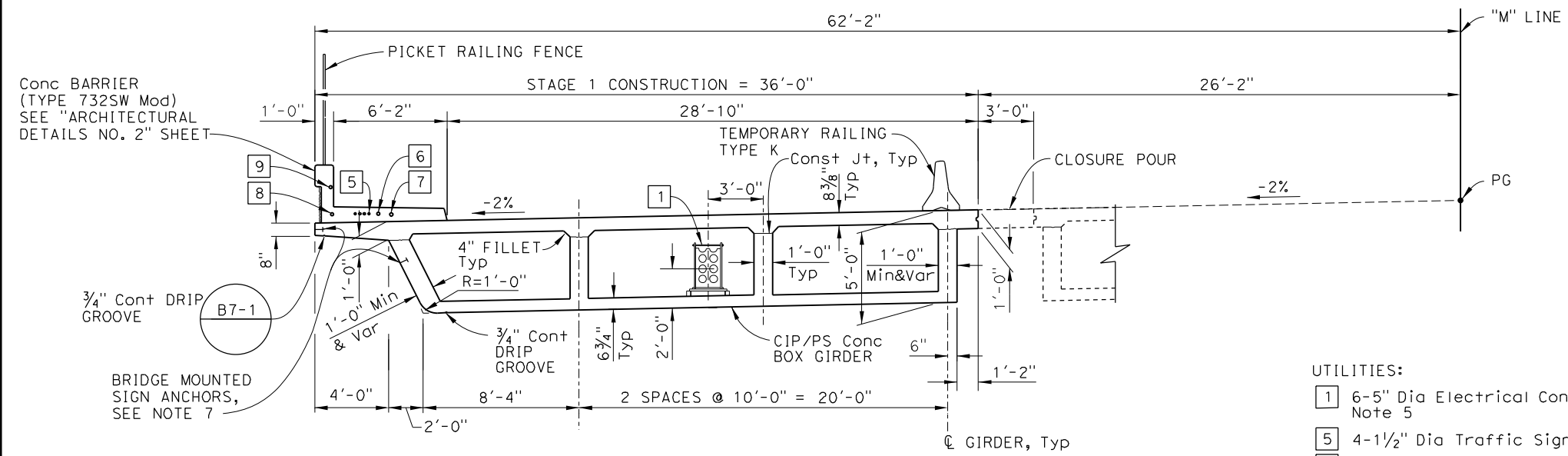
CONTRACT No.: 08-323034

REVISION DATES	SHEET	OF
10/24/19 03/05/20 05/17/20 08/05/20	19	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	338	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

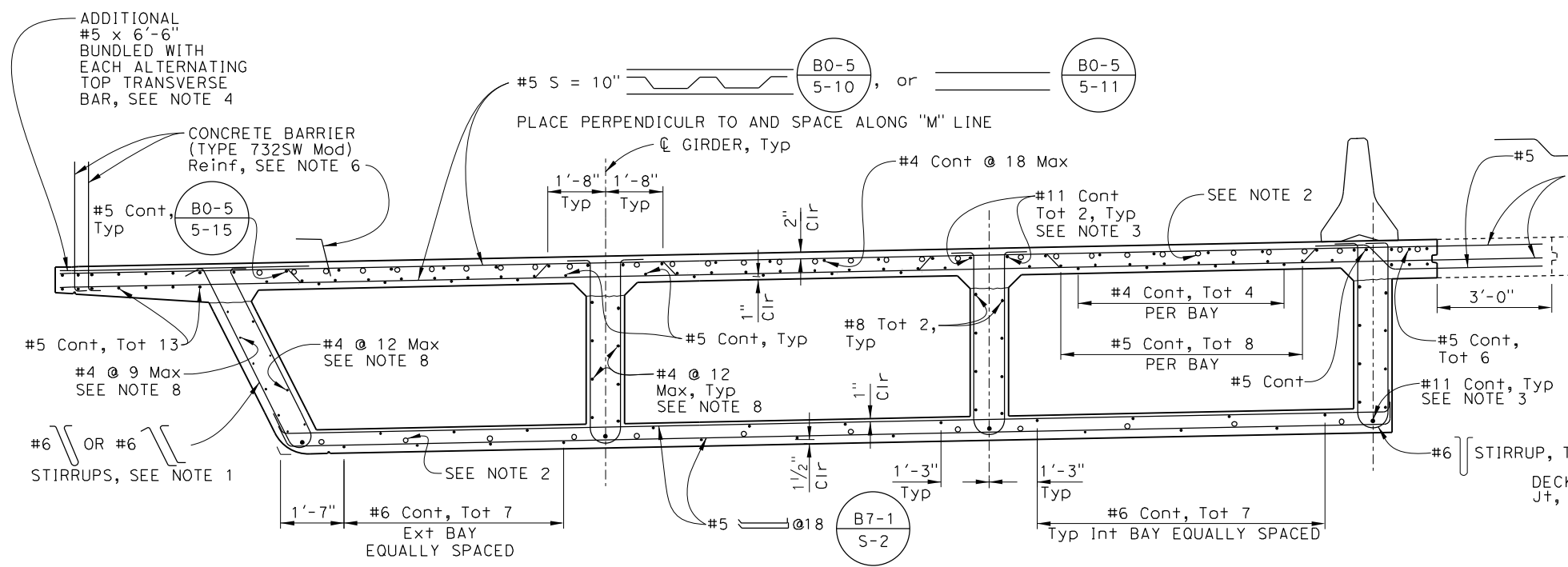
PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612



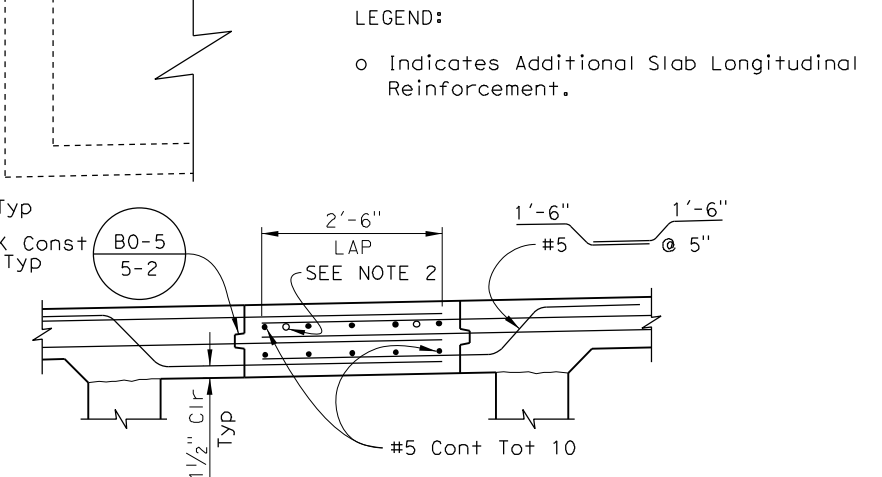
TYPICAL SECTION - STAGE 1
 1/4" = 1'-0"

- UTILITIES:
- 1 6-5" Dia Electrical Conduits, See Note 5
 - 5 4-1/2" Dia Traffic Signal Conduits
 - 6 2" Dia Empty Conduit
 - 7 2" Dia Signal Interconnect Conduit
 - 8 2" Dia Lighting Conduit
 - 9 2" Dia Lighting Conduit

- NOTES:
- For stirrup placement and prestressing information, see "GIRDER LAYOUT - STAGE 1" sheet.
 - For additional longitudinal reinforcement, see "ADDITIONAL DECK REINFORCEMENT-STAGE 1" and "ADDITIONAL DECK REINFORCEMENT-STAGE 2" sheets.
 - #11 continuous reinforcement in top and bottom slab must be "Service" spliced. No splices allowed within 20'-0" of C Bent. Splices must be staggered at 2'-0" minimum.
 - Additional #5 x 6'-6" must be placed for a minimum distance of 5'-0" at BB and EB.
 - Contractor to install MVU electrical service including conduits, conduit supports, structure bond cable, and additional requirements at the bridge abutments. See "CITY OF MORENO VALLEY CONDUIT EXTENSION PLANS".
 - Concrete barrier reinforcement must be in place prior to deck placement.
 - For bridge mounted sign details, see "BRIDGE MOUNTED SIGN DETAILS NO. 1" and "BRIDGE MOUNTED SIGN DETAILS NO. 2" sheets.
 - For additional reinforcement at Bent 2, see "ADDITIONAL GIRDER STEM REINFORCEMENT" detail on "GIRDER DETAILS" sheet.



TYPICAL SECTION - STAGE 1
 1/2" = 1'-0" B0-5 B7-1 B8-5



NOTE: For reinforcement not shown, see "TYPICAL SECTION-STAGE 1" and "TYPICAL SECTION-STAGE 2" sheets

CLOSURE POUR DETAIL
 3/4" = 1'-0"

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

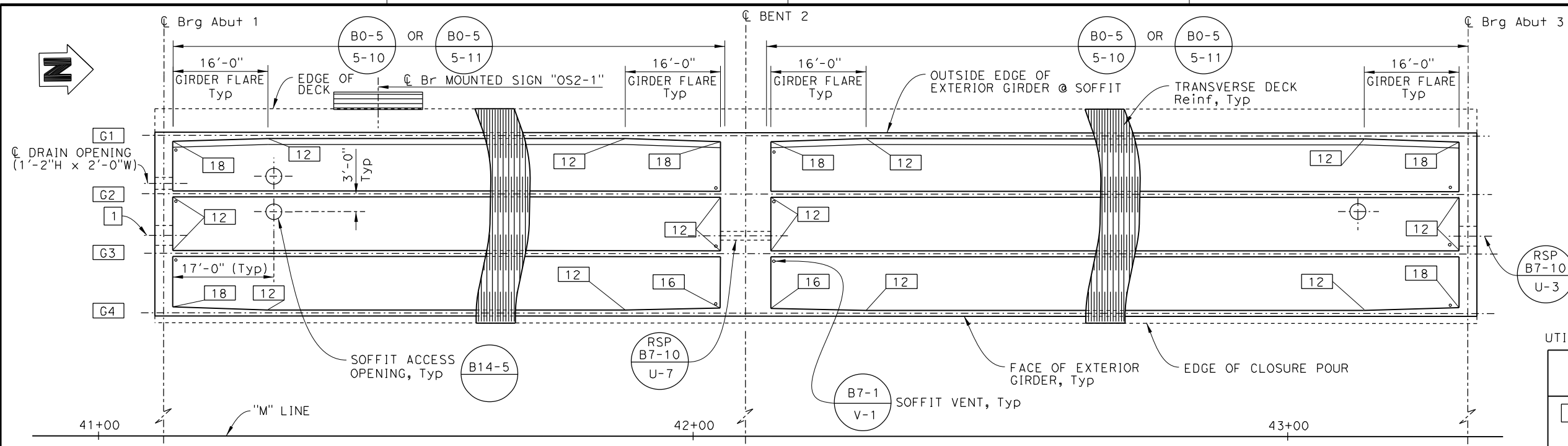
BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
TYPICAL SECTION - STAGE 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	340	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
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GIRDER LAYOUT (B7-1)
 1" = 10'

RSP B7-10 U-3 Typ

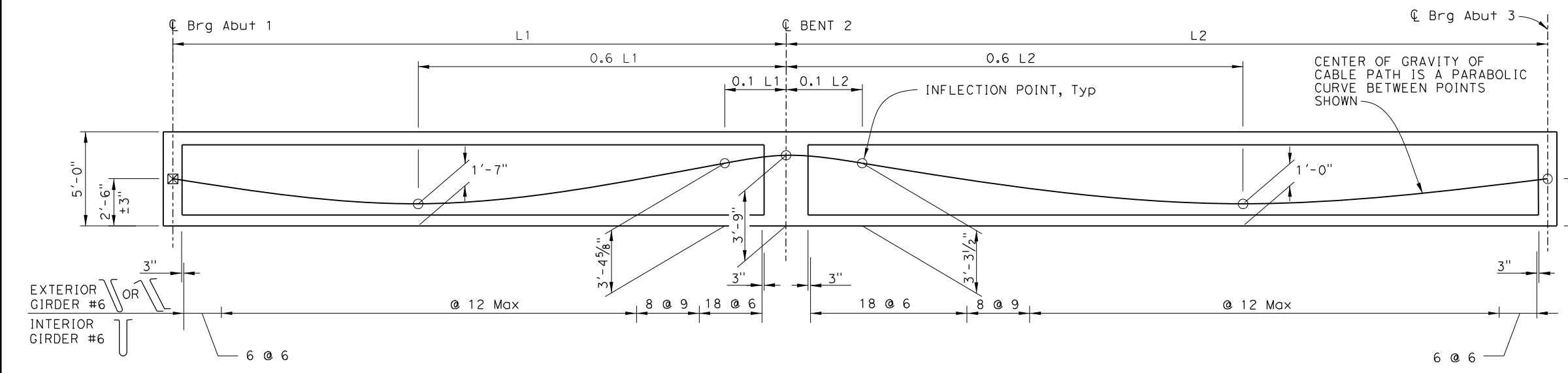
UTILITIES:

LOCATION	OPENING AT END DIAPHRAGM
1 6-5" Dia Electrical Conduits	2'-2"H x 2'-6"W

- LEGEND:
- XX Indicates Girder Stem Width in Inches
 - ⊗ Indicates Theoretical Point of No Movement
 - GX Indicates Girder Designation

PRESTRESSING NOTES

270 KSI Low Relaxation Strand:
 $P_{jack} = 7,380$ kips
 Anchor Set = $\frac{3}{8}$ in
 Friction curvature coefficient, $\mu = 0.15$ (1/rad)
 Friction wobble coefficient, $K = 0.0002$ (1/ft)
 Assumed long term losses = 20 (ksi)
 Total Number of Girders = 4
 The final force ratio (larger divided by smaller) between any two girders must not exceed the ratio of 10 to 9
 Concrete: $f'_c = 5,500$ psi @ 28 days
 $f'_{ci} = 4,000$ psi @ time of stressing
 Contractor must submit elongation calculations based on initial stress at
 $\lambda = 0.901$ times jacking stress.
 One end stressing must be performed from Abutment 3 only.



LONGITUDINAL SECTION (B7-1, B8-5)
 No Scale

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
 Lily Sun
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2
MORENO BEACH DRIVE OC (REPLACE)
GIRDER LAYOUT - STAGE 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	341	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
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PLANS APPROVAL DATE
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UTILITIES:

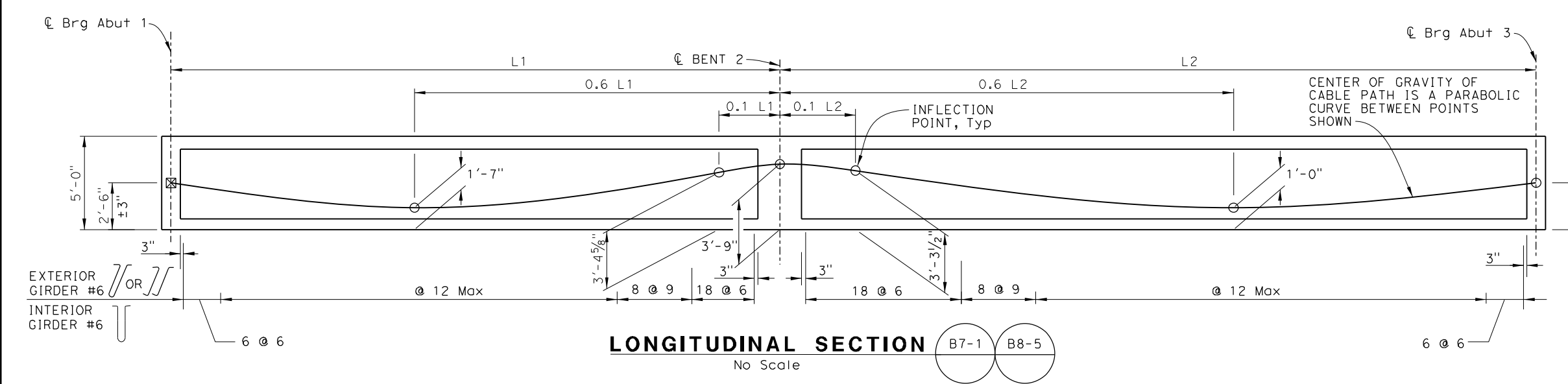
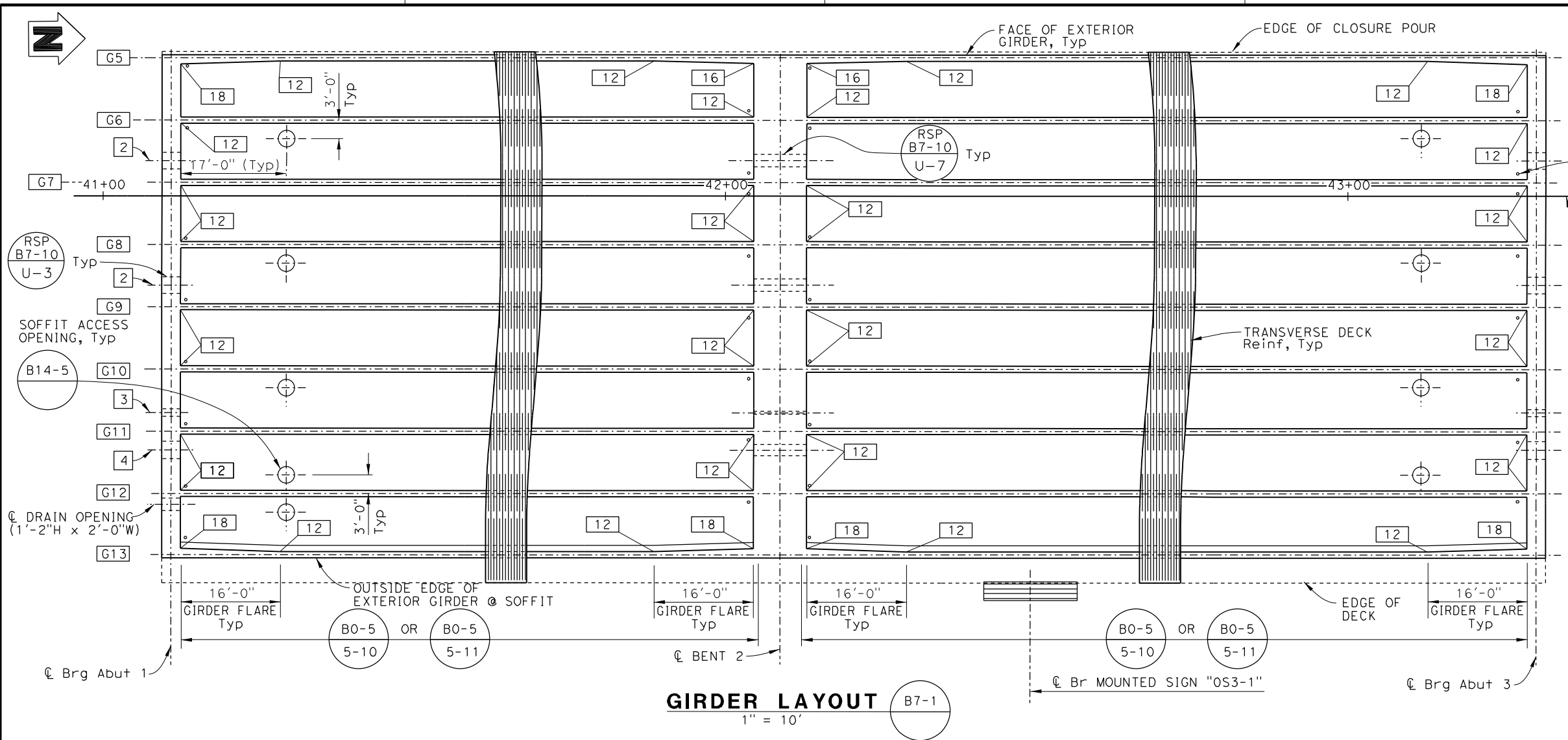
LOCATION	OPENING AT END DIAPHRAGM
2 Future Utility	2'-8" Dia
3 3" Dia Water Irrigation Supply Line	1'-2" Dia
4 2-6" Dia & 4-5" Dia Empty Elect Conduits	2'-2"H x 2'-10"W

LEGEND:

- XX Indicates Girder Stem Width in Inches
- ⊗ Indicates Theoretical Point of No Movement
- GX Indicates Girder Designation

PRESTRESSING NOTES


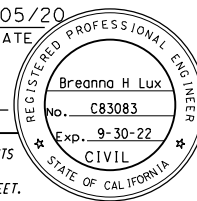
270 KSI Low Relaxation Strand:
 $P_{jack} = 13,410$ kips
 Anchor Set = $\frac{3}{8}$ in
 Friction curvature coefficient, $\mu = 0.15$ (1/rad)
 Friction wobble coefficient, $K = 0.0002$ (1/ft)
 Assumed long term losses = 20 (ksi)
 Total Number of Girders = 9
 The final force ratio (larger divided by smaller) between any two girders must not exceed the ratio of 10 to 9
 Concrete: $f'_c = 5,500$ psi @ 28 days
 $f'_{ci} = 4,000$ psi @ time of stressing
 Contractor must submit elongation calculations based on initial stress at $\lambda = 0.901$ times jacking stress.
 One end stressing must be performed from Abutment 3 only.



NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT <i>Lily Sun</i> 8/10/2020 SIGN OFF DATE	DESIGN BY B. Lux CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 56-0845 POST MILE 19.2	MORENO BEACH DRIVE OC (REPLACE) GIRDER LAYOUT - STAGE 2
	DETAILS BY S. Weight CHECKED K. BOWES		PROJECT ENGINEER Kevin Michalski	
QUANTITIES BY B. Lux CHECKED K. BOWES	DATE PLOTTED => 03-AUG-2020 FILE => 56-0845-1-g_1002.dgn	TIME PLOTTED => 08:23 USERNAME => p004336A	UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591	CONTRACT No.: 08-323034

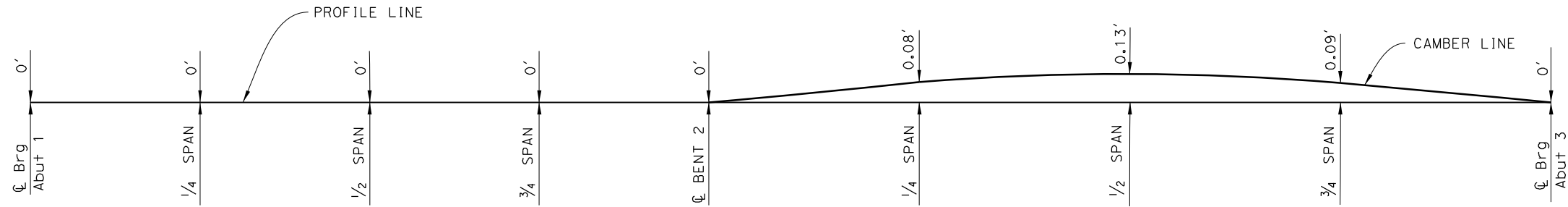
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	342	358

 08/05/20
 REGISTERED CIVIL ENGINEER DATE


PLANS APPROVAL DATE _____

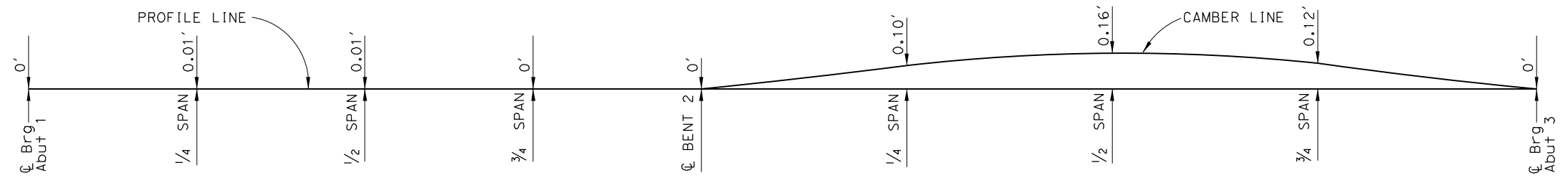
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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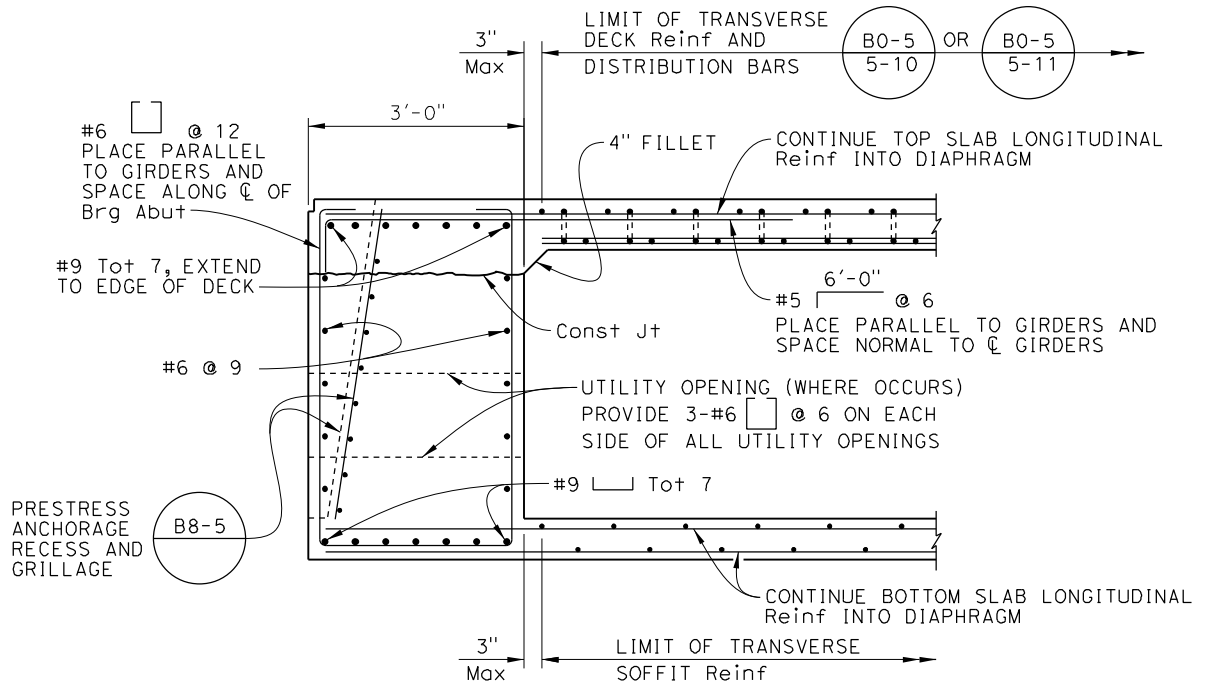
NOTE: Camber does not include allowance for falsework settlement.

CAMBER DIAGRAM - STAGE 1
No Scale

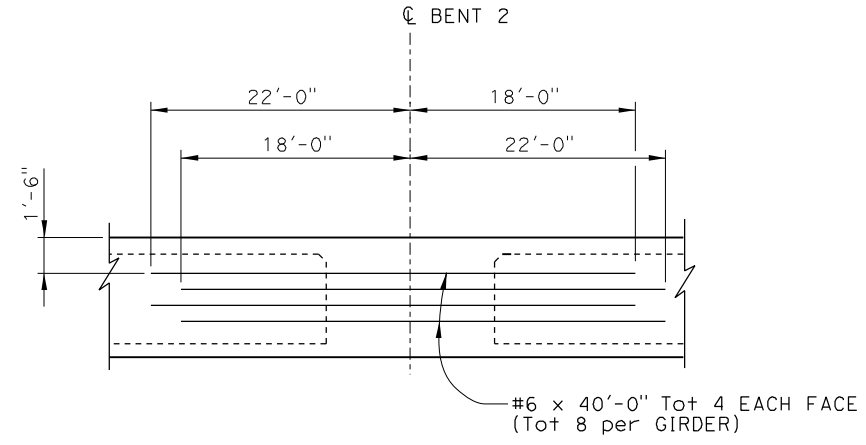


NOTE: Camber does not include allowance for falsework settlement.

CAMBER DIAGRAM - STAGE 2
No Scale



END DIAPHRAGM DETAIL
 $\frac{3}{4}'' = 1'-0''$



ADDITIONAL GIRDER STEM REINFORCEMENT
 $\frac{1}{4}'' = 1'-0''$

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
 Lily Sun
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

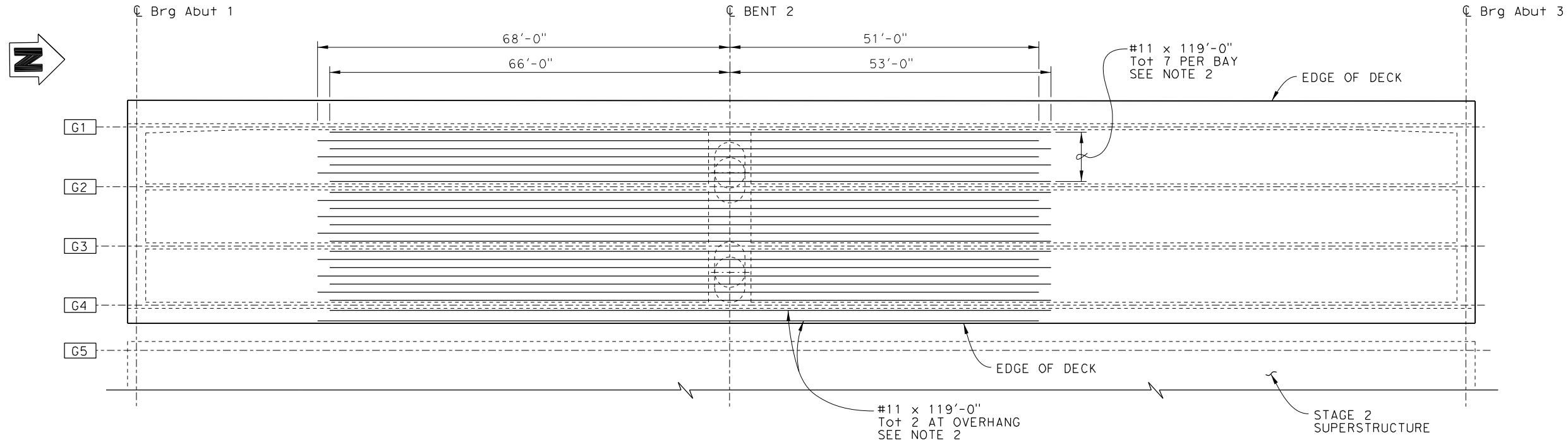
BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	
GIRDER DETAILS		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	343	358

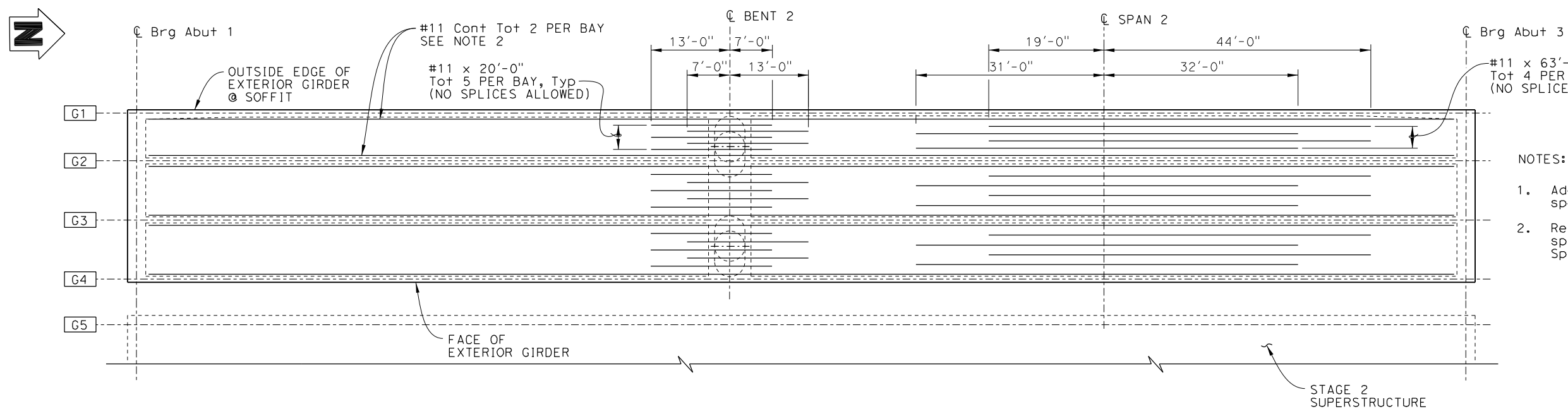
08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
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TOP SLAB ADDITIONAL REINFORCEMENT
No Scale



BOTTOM SLAB ADDITIONAL REINFORCEMENT
No Scale

- NOTES:
- Additional reinforcement must be evenly spaced between inside face of girders.
 - Reinforcement must be "Service" spliced. No splices are allowed within 20'-0" of \bar{c} bent. Splices must be staggered at 2'-0" minimum.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	

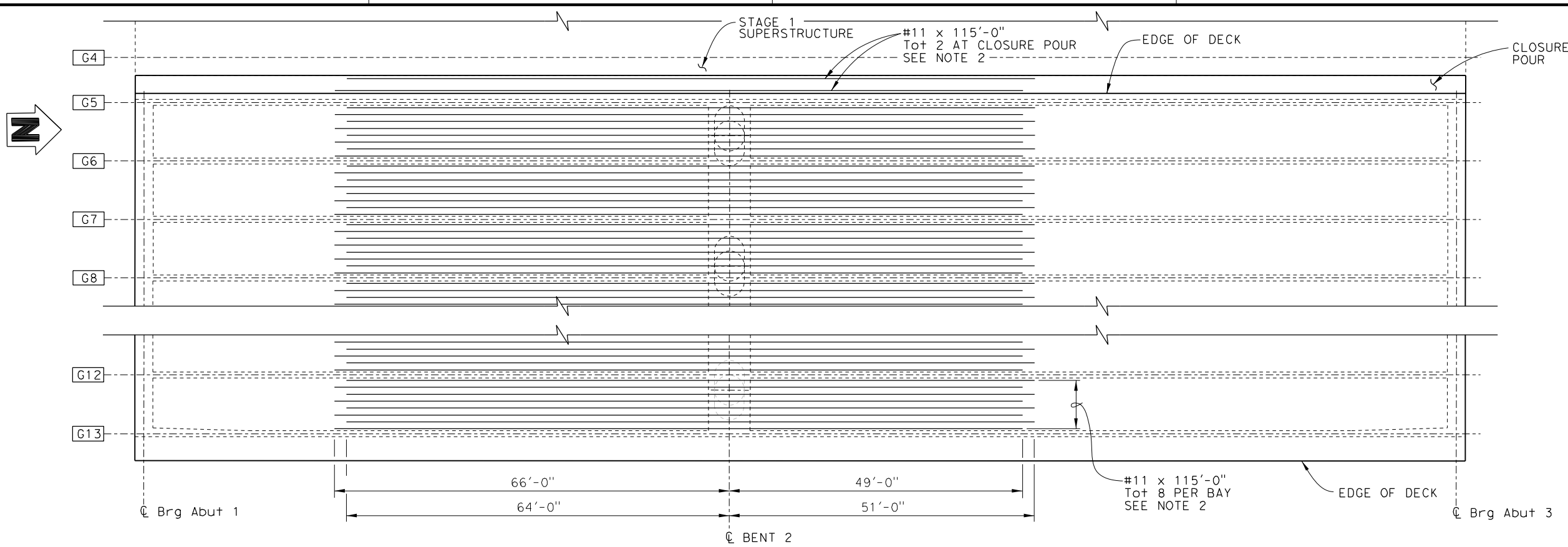
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	344	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

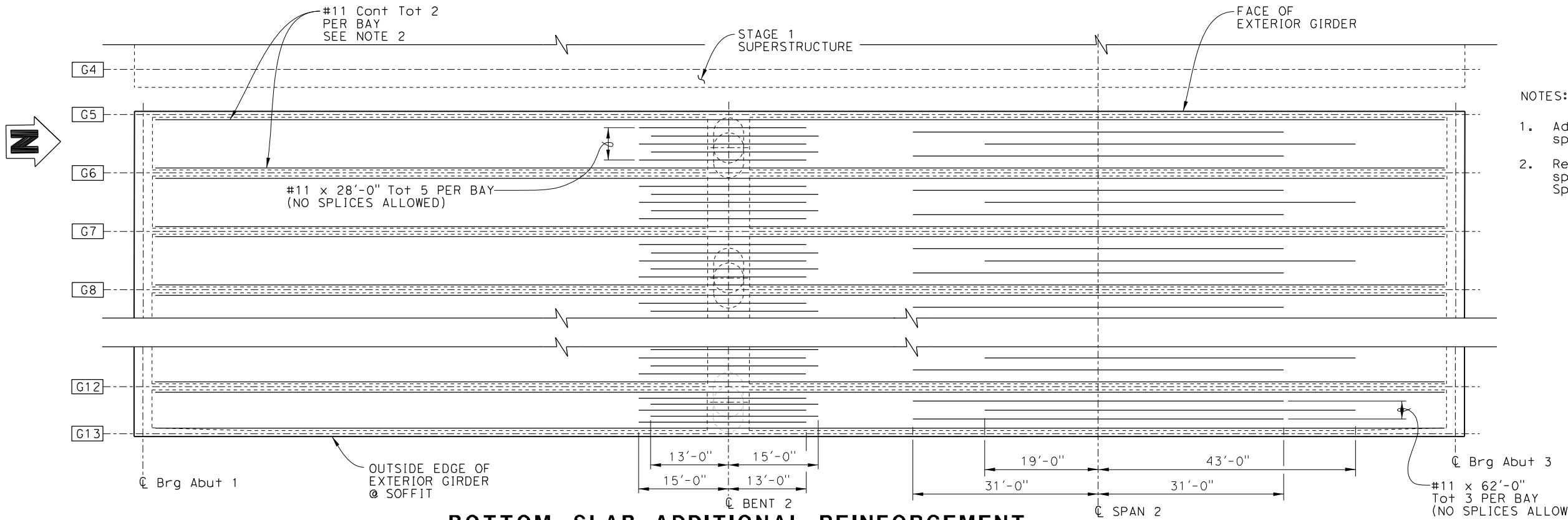
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TOP SLAB ADDITIONAL REINFORCEMENT
No Scale



BOTTOM SLAB ADDITIONAL REINFORCEMENT
No Scale

- NOTES:
1. Additional reinforcement must be evenly spaced between inside face of girders.
 2. Reinforcement must be "Service" spliced. No splices are allowed within 20'-0" of ϕ bent. Splices must be staggered at 2'-0" minimum.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

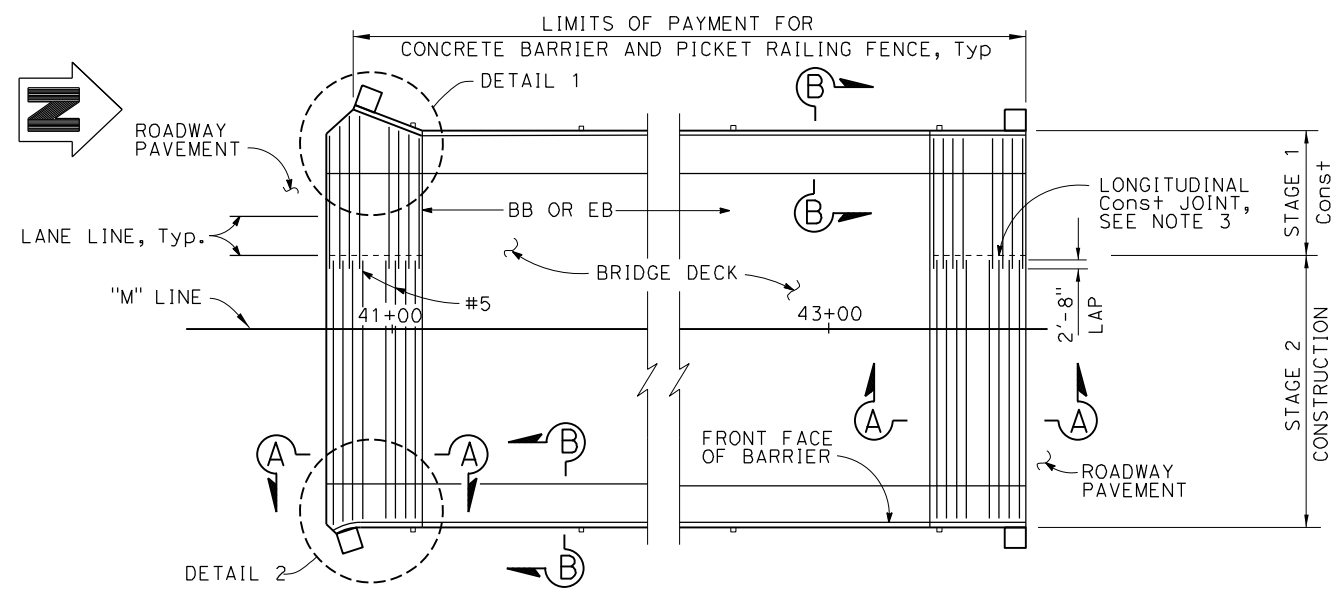
PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE	19.2	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	345	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
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PLANS APPROVAL DATE
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PARSONS
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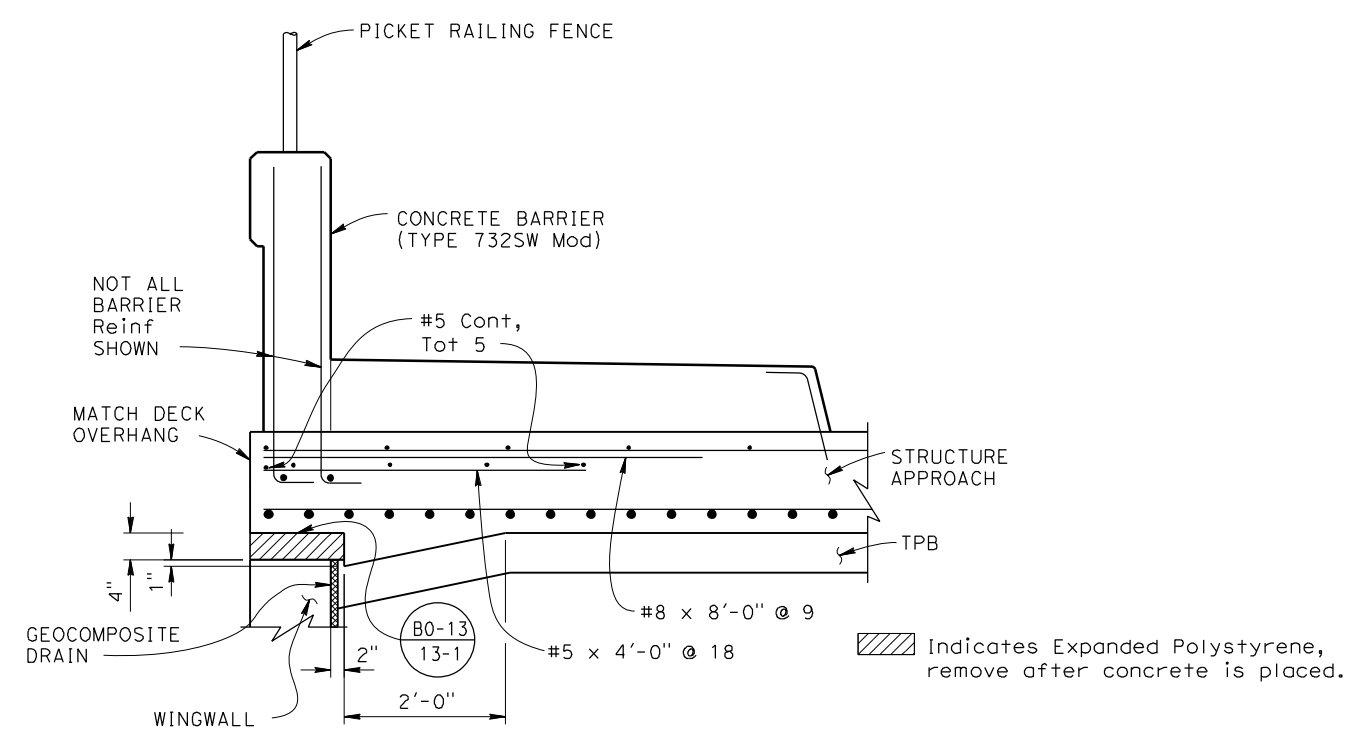


PLAN
No Scale

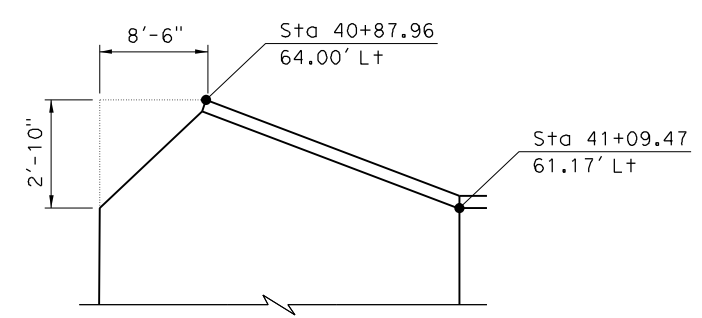
APPROACH SLAB TRANSVERSE JOINT		
APPROACH SKEW	WITH HMA ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 20°	PARALLEL TO BB OR EB	PARALLEL TO BB OR EB

NOTES:

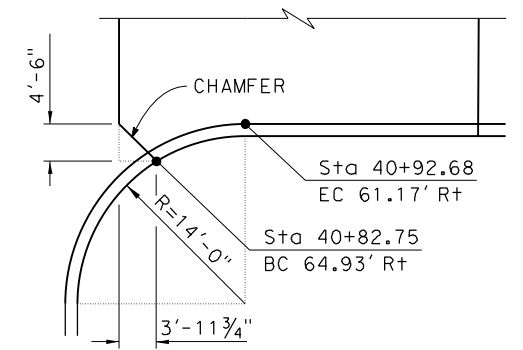
- For "SECTION A-A" and additional information and details, see Caltrans Standard Plans B9-1 and B9-5.
- For drainage details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet and Caltrans Standard Plan B9-6.
- Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.



SECTION B-B



DETAIL 1



DETAIL 2

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
STRUCTURE APPROACH TYPE N(30S)

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020
 FILE => 56-0845-8-8g30s.dgn
 TIME PLOTTED => 08:25
 USERNAME => p004336A
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	10/24/19 03/05/20 05/19/20 08/05/20	27	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	346	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

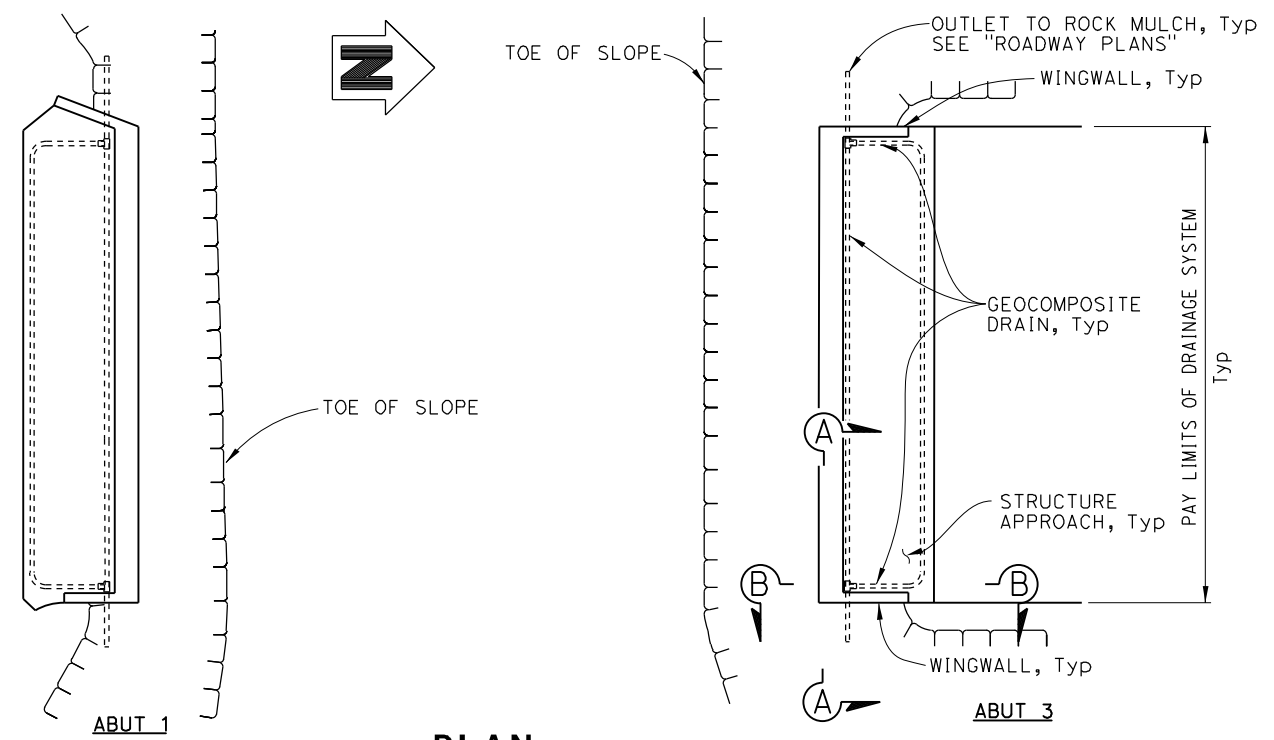
PLANS APPROVAL DATE
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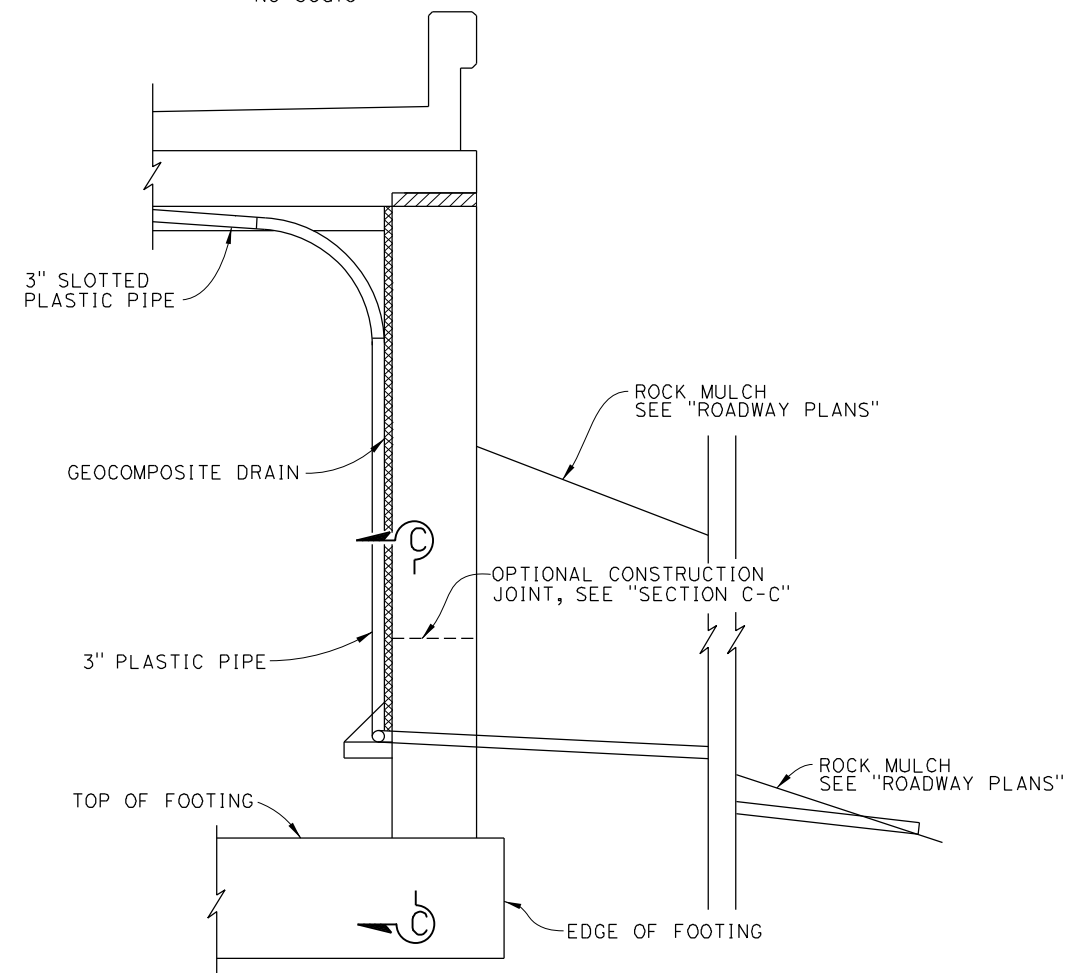
PARSONS
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 IRVINE, CA 92612

NOTE:

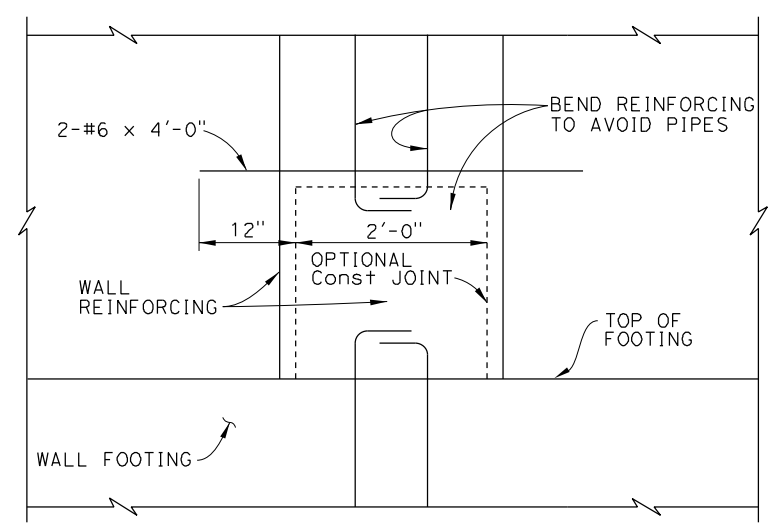
1. For "SECTION B-B" and additional information and details, see Caltrans Standard Plan B9-6.



PLAN
No Scale



SECTION A-A
No Scale



SECTION C-C
No Scale

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

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DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2
MORENO BEACH DRIVE OC (REPLACE)
STRUCTURE APPROACH DRAINAGE DETAILS

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:25 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-8-sgdd.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 10/24/19, 03/05/20, 05/19/20, 08/05/20
 SHEET 28 OF 40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	347	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

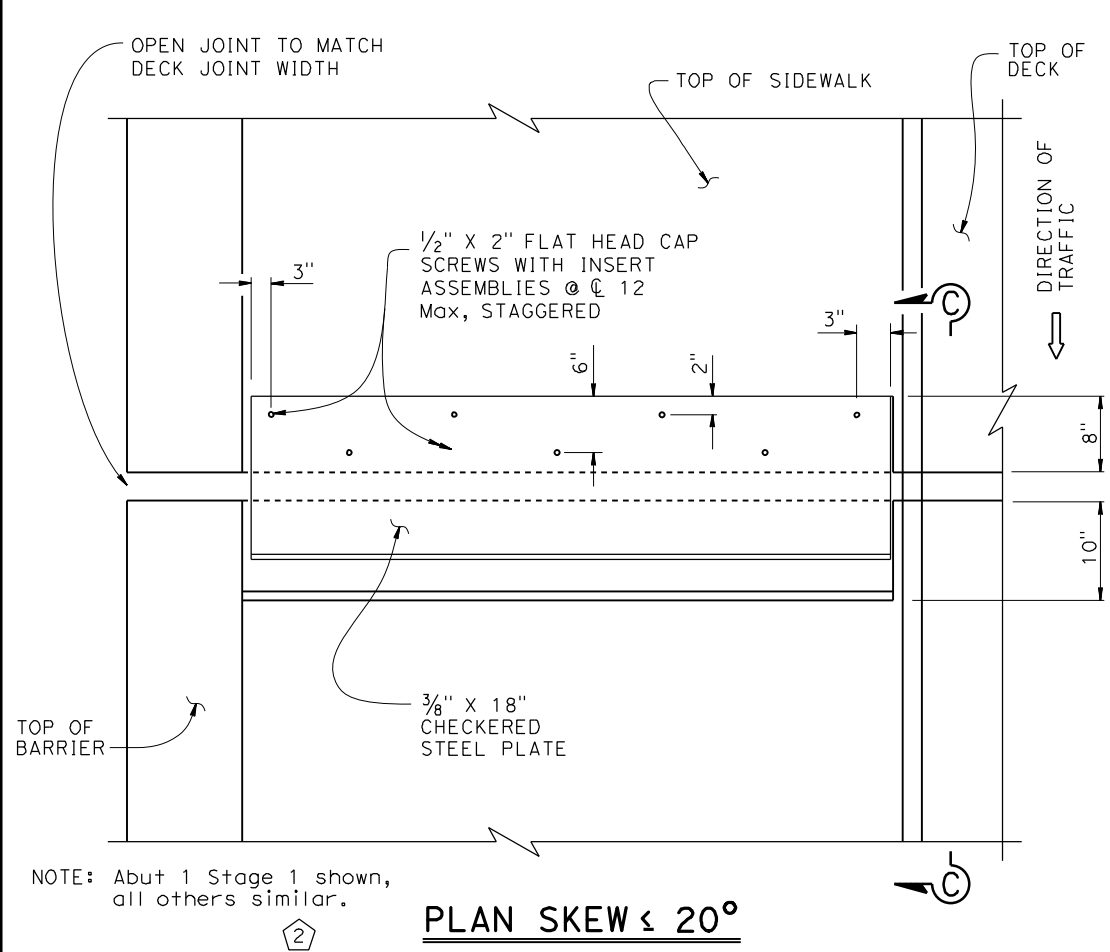
PLANS APPROVAL DATE

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The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

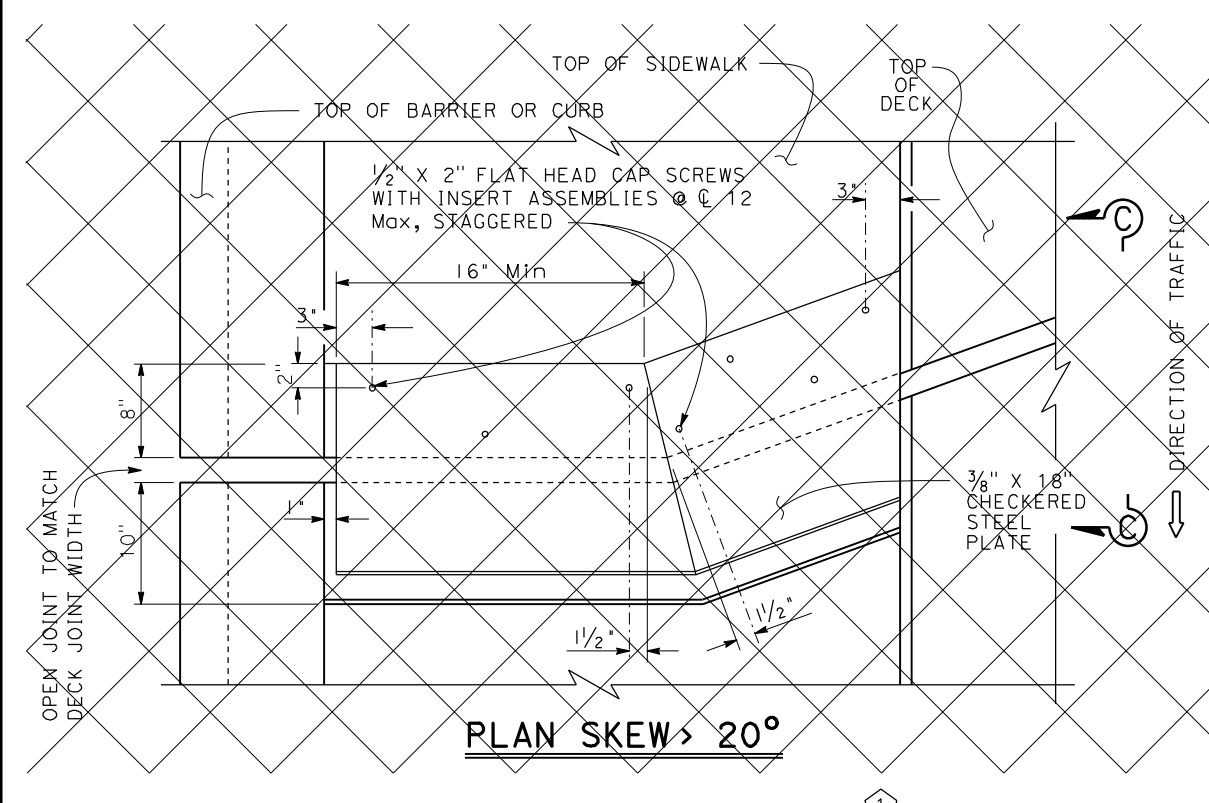
City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552

PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

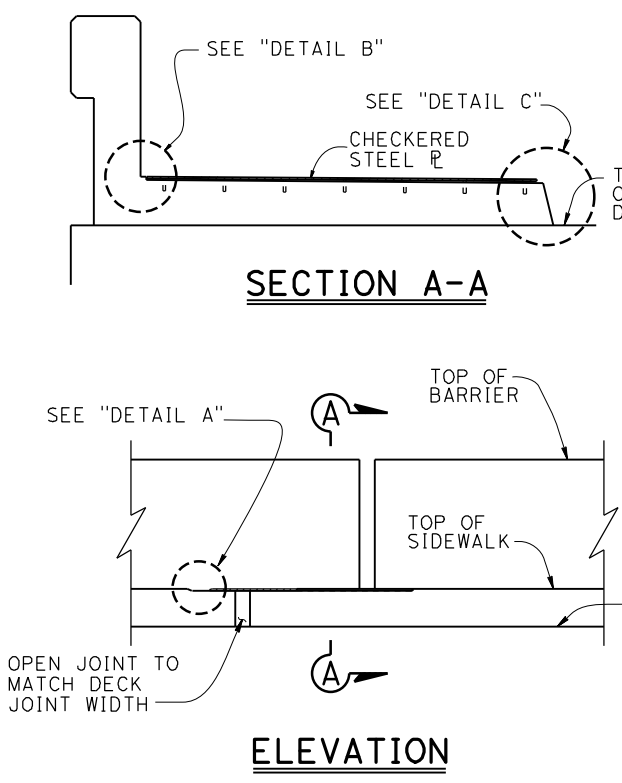


NOTE: Abut 1 Stage 1 shown, all others similar.

PLAN SKEW ≤ 20°

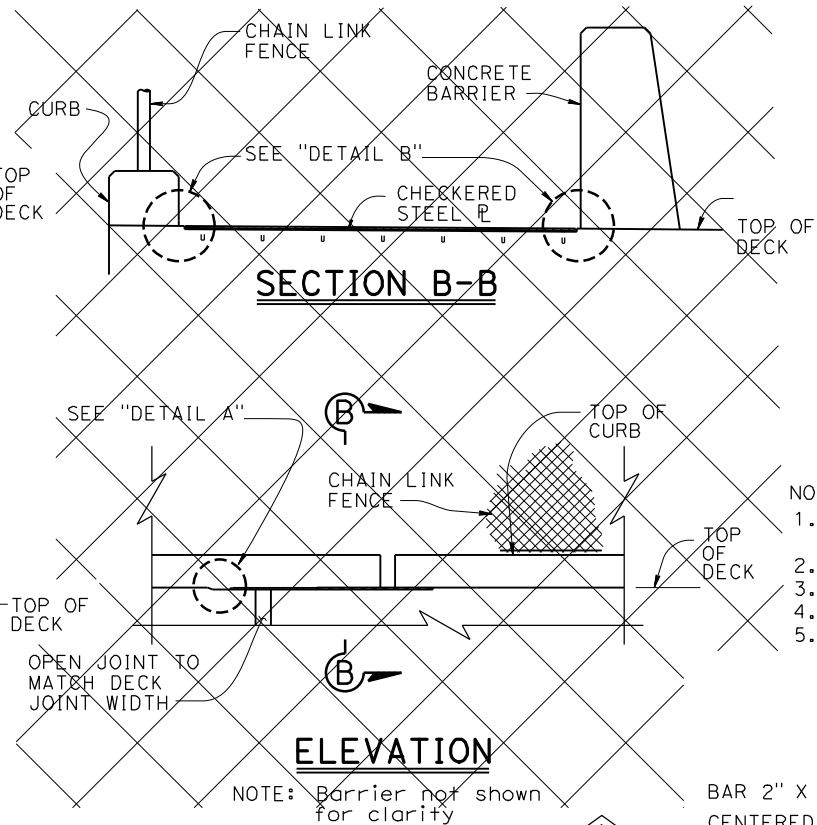


PLAN SKEW > 20°



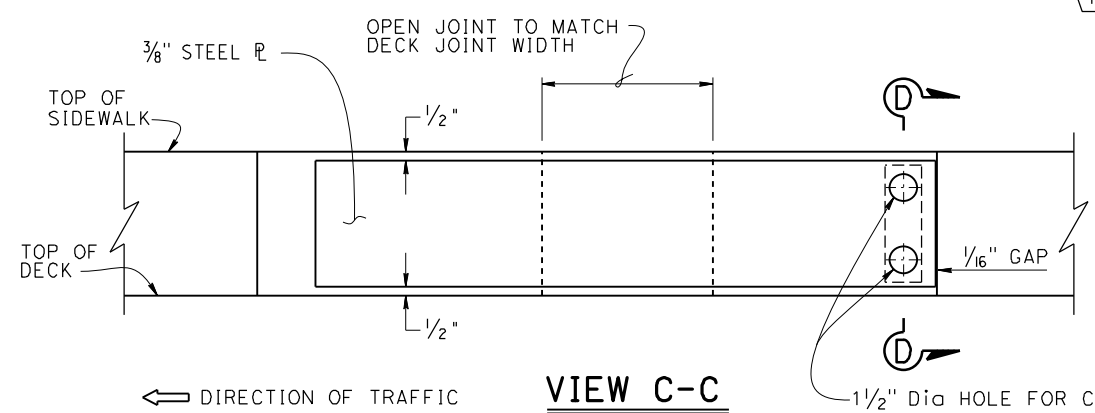
SECTION A-A

ELEVATION

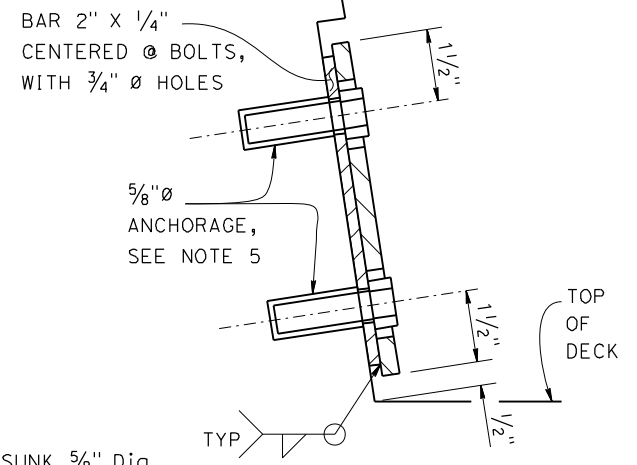


SECTION B-B

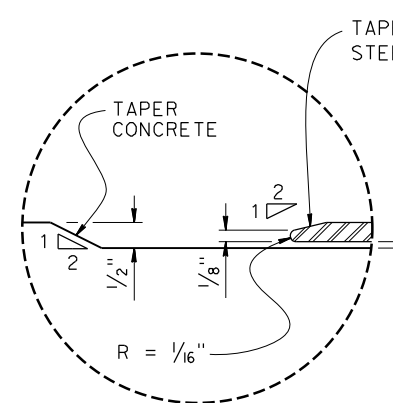
ELEVATION



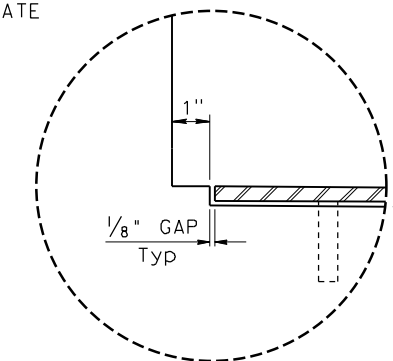
VIEW C-C



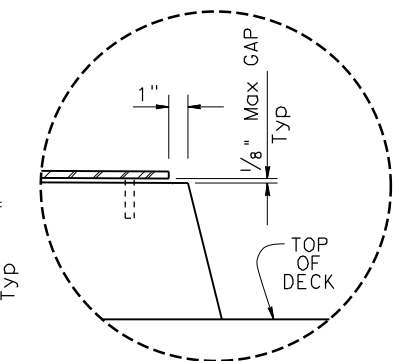
SECTION D-D



DETAIL A



DETAIL B



DETAIL C

SPECIAL DETAILS NO SCALE

REVISED BRIDGE STANDARD DETAILS		
XS8-050	October 2018	The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California.
FILE NO.	APPROVAL DATE	

MODIFICATIONS SHOWN:	
1	DOES NOT APPLY
2	MODIFIED DETAIL

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

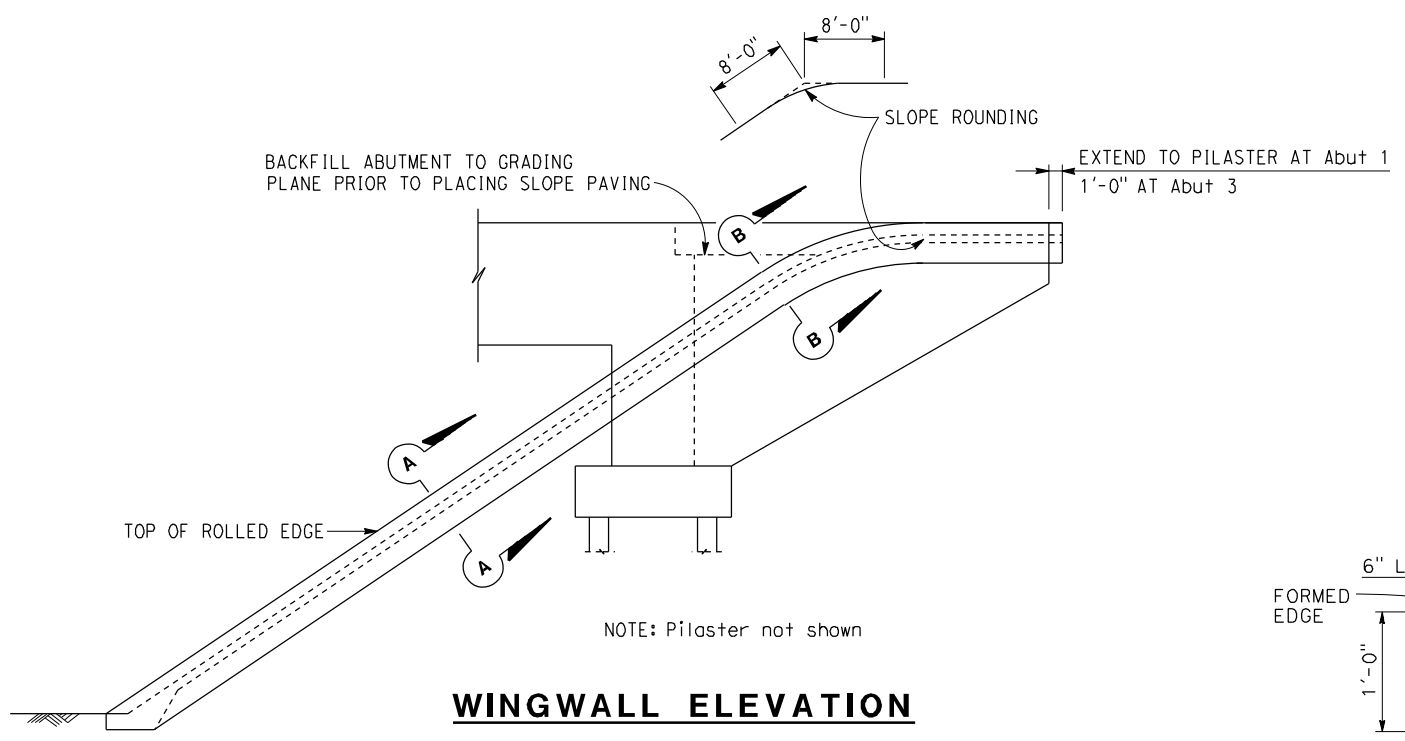
BRIDGE NO. 56-0845	MORENO BEACH DRIVE OC (REPLACE)
POST MILE 19.2	
JOINT ARMOR FOR PEDESTRIAN WALKWAYS	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	348	358

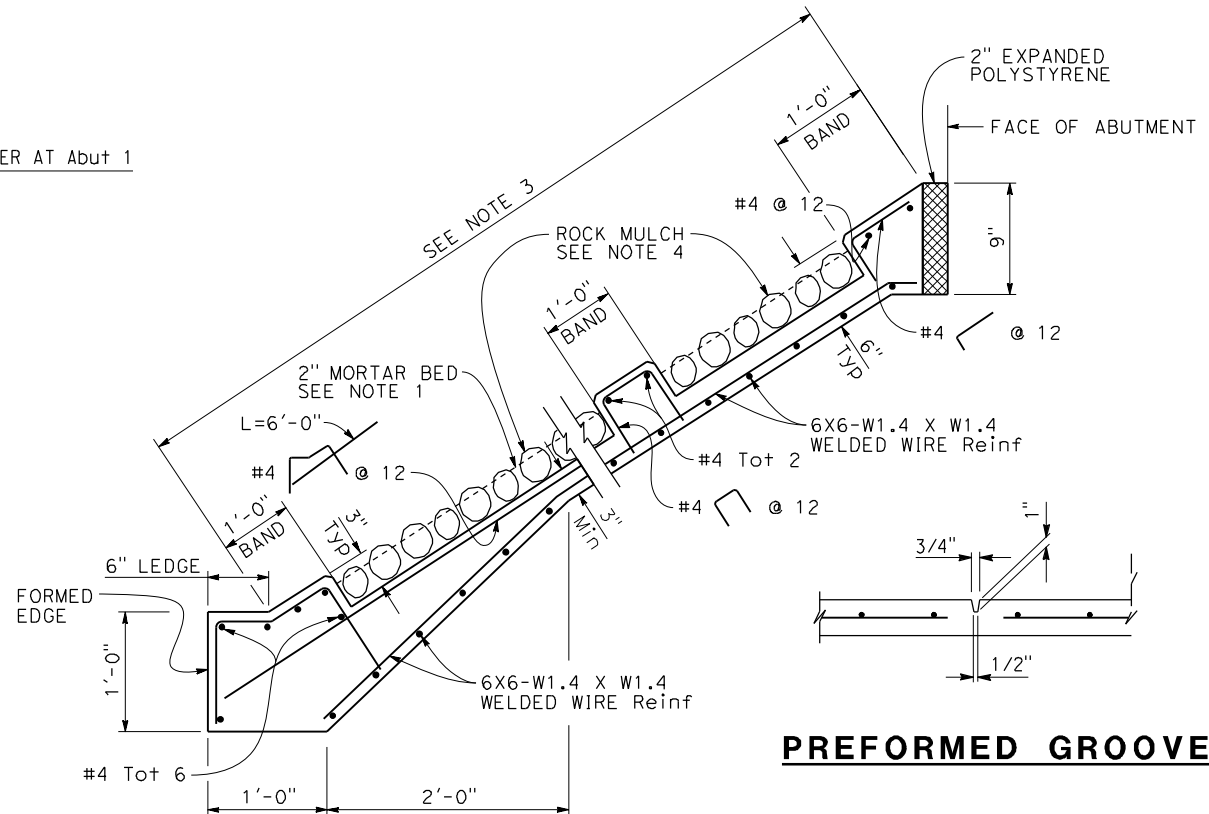
08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
 City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

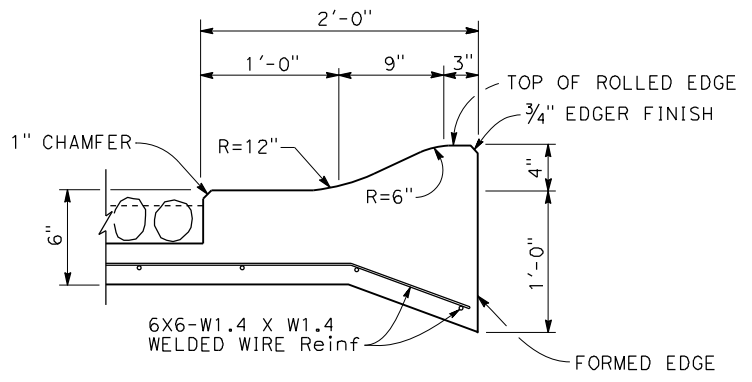
- NOTES:
1. Rock mulch must be placed to minimize mortar exposure to the top surface.
 2. All rebar to have a minimum 2" end clearance from all concrete edges.
 3. For additional details, see "ARCHITECTURAL DETAILS NO. 3" sheet.
 4. Rock mulch to be a blend of aggregate sizes. For gradation requirements, see Project Specifications.



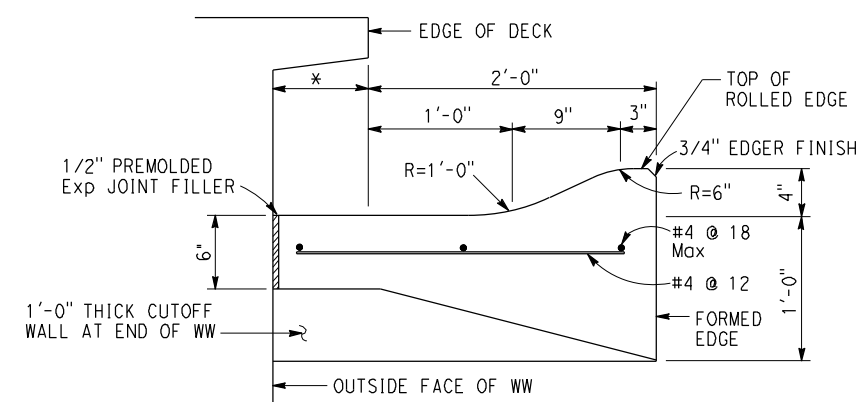
WINGWALL ELEVATION



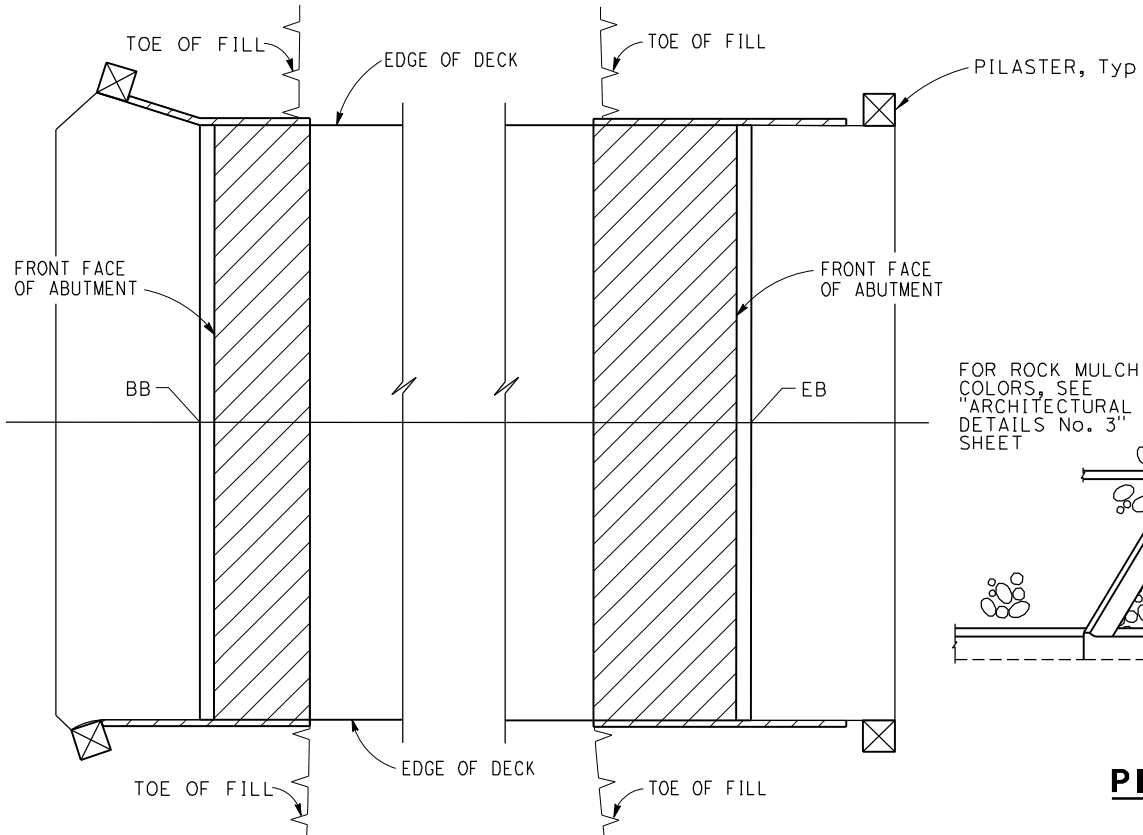
TYPICAL SECTION - CONCRETE PAVING



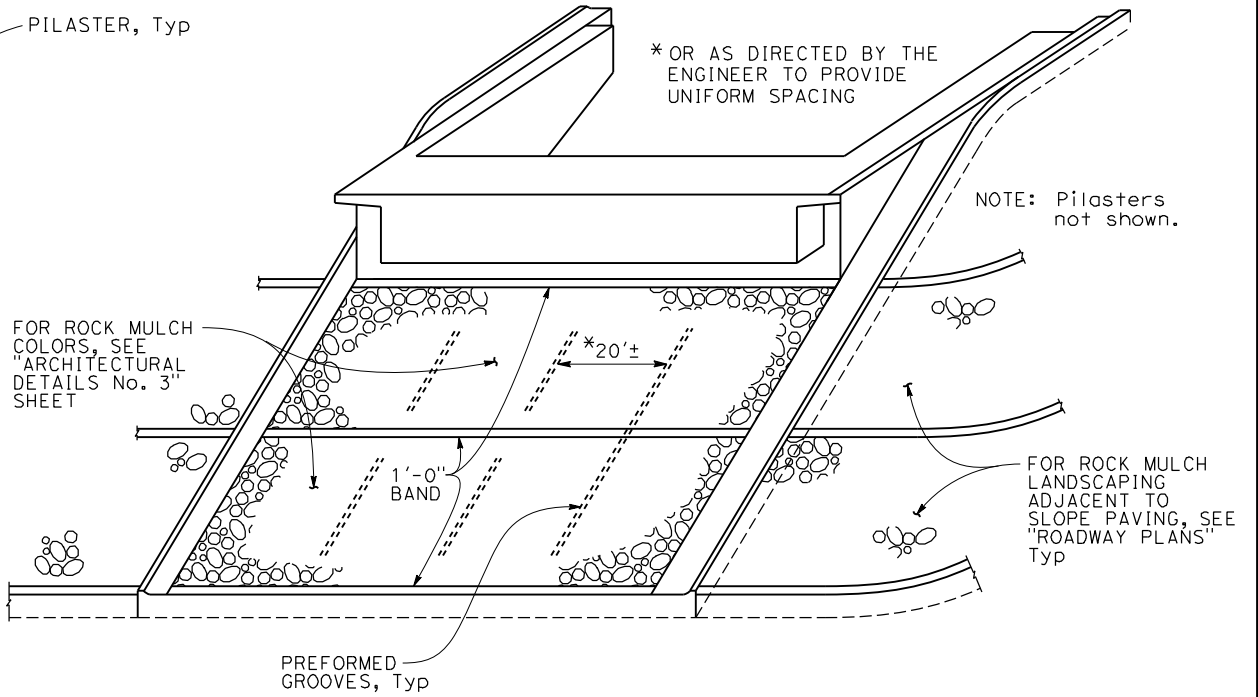
SECTION A-A



SECTION B-B



LIMITS OF SLOPE PAVING



PICTORIAL VIEW OF TYPICAL INSTALLATION

LEGEND:
 Limits of payment for slope paving (For dimensions, see "ARCHITECTURAL DETAILS No. 3" sheet)

* This dimension becomes zero when edge of deck is at outside face of WW

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT <i>Lily Sun</i> 10/2020	DESIGN	BY B. Lux	CHECKED K. BOWES	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No.	MORENO BEACH DRIVE OC (REPLACE)
	DETAILS	BY S. Weight	CHECKED K. BOWES		56-0845	
SIGN OFF DATE	QUANTITIES	BY B. Lux	CHECKED K. BOWES	PROJECT ENGINEER	POST MILE	SLOPE PAVING - FULL SLOPE
DATE PLOTTED => 03-AUG-2020	FILE => 56-0845-8-81p02.dgn	TIME PLOTTED => 08:26	USERNAME => p004336A	UNIT: 2232	CONTRACT No.: 08-323034	REVISION DATES
DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	10/24/19
						03/05/20
						05/19/20
						08/05/20
						30
						40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	349	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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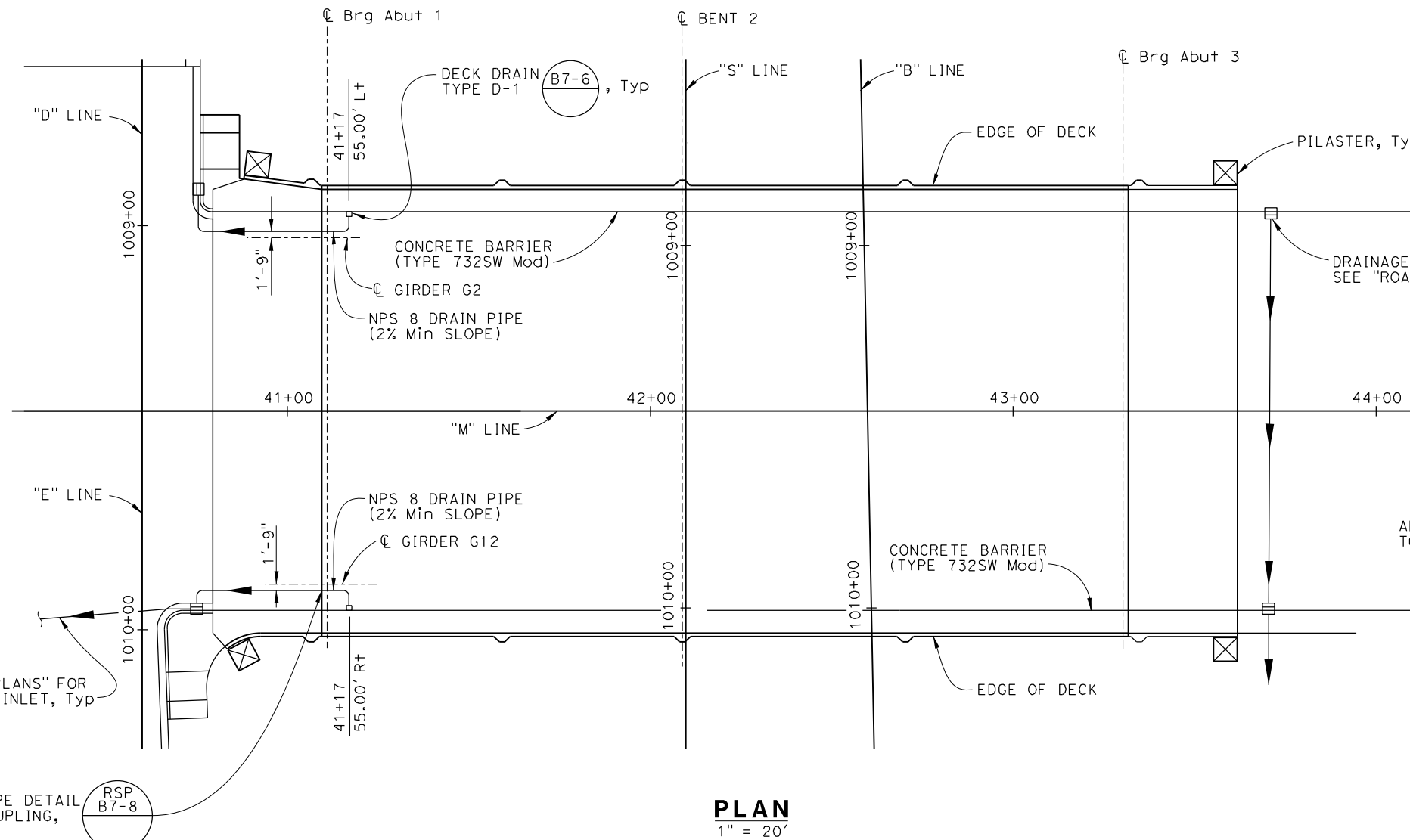
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

NOTES:

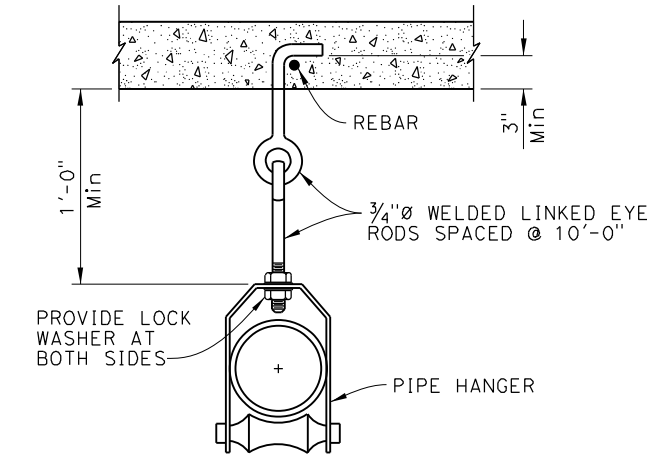
1. Reinforcing bars interfering with deck drain must be terminated 2" clear of deck drain.

LEGEND:

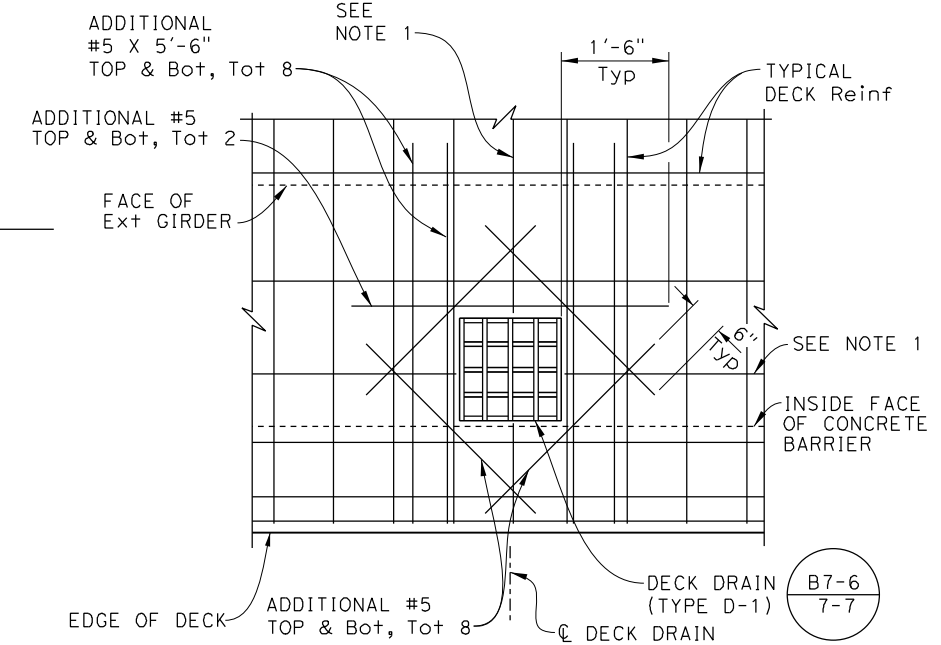
➔ Direction of Flow



PLAN
 1" = 20'



PIPE HANGER DETAIL
 NO SCALE



DECK REINFORCEMENT AT DECK DRAIN
 NO SCALE

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
Lily Sun
 8/10/2020

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
DECK DRAINAGE DETAILS

DESIGN DETAIL SHEET
 (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:27 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-1-dad01.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

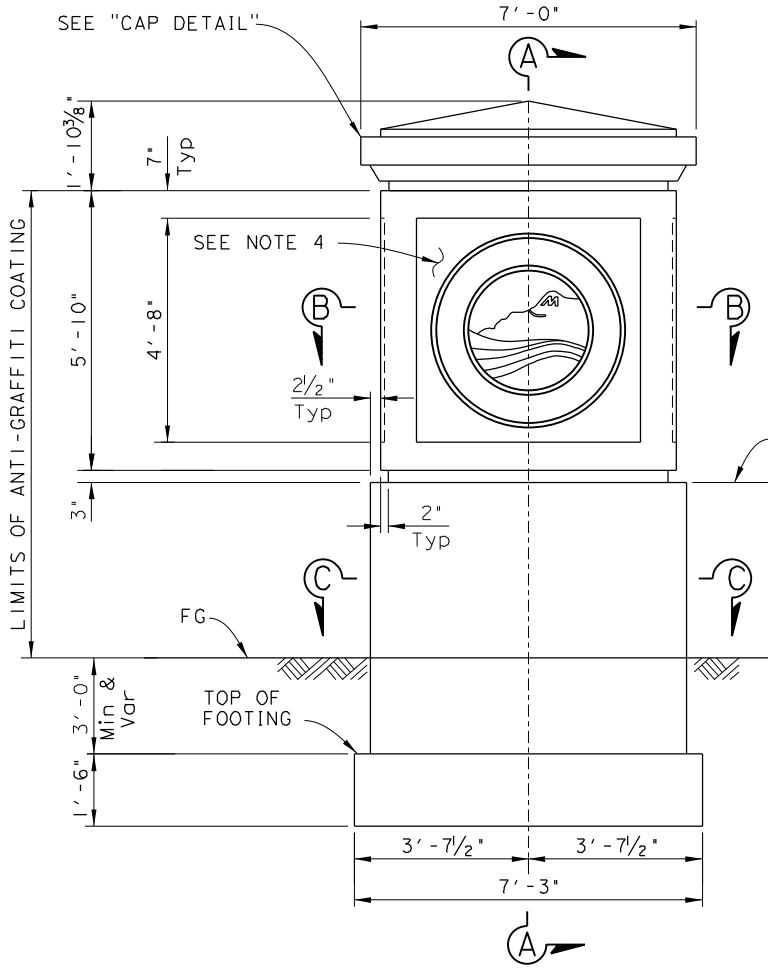
CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	10/24/19 03/05/20 05/19/20 08/05/20	31	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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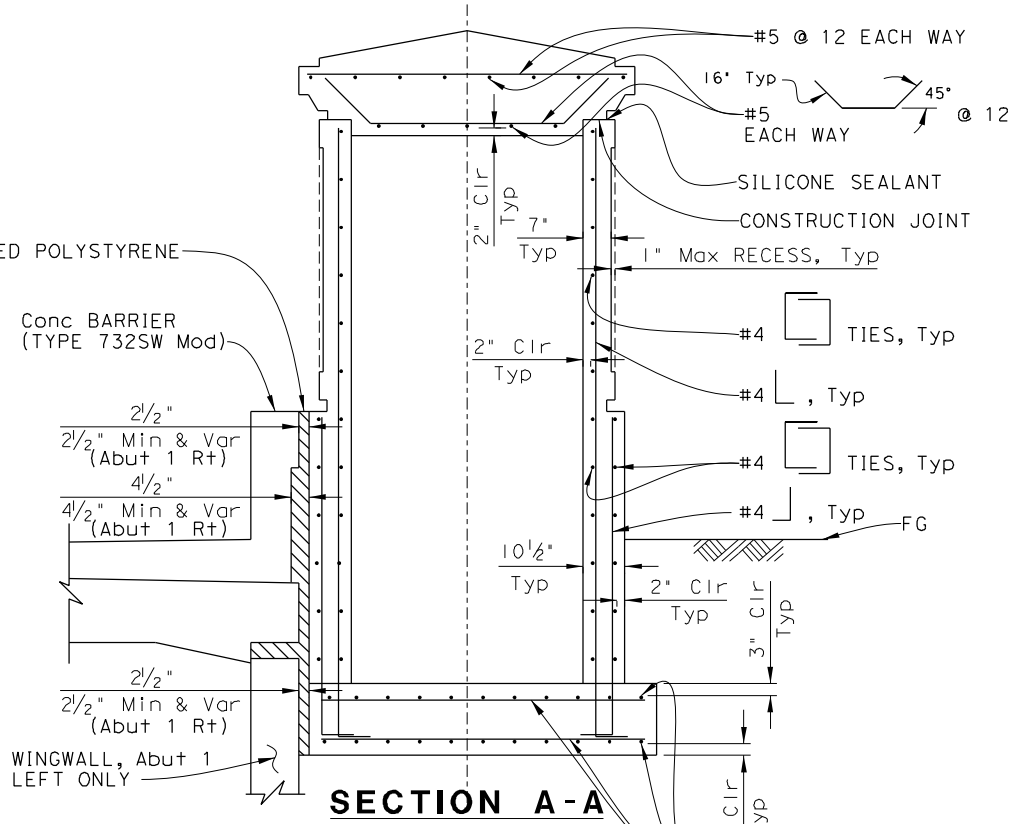
08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612



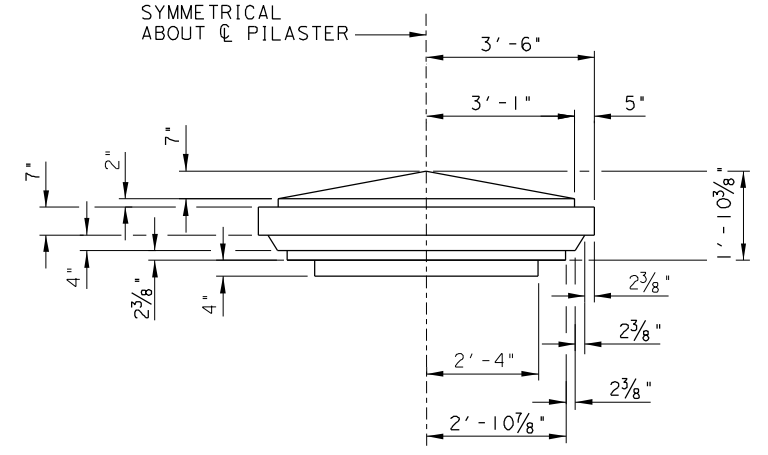
PILASTER ELEVATION AT END OF APPROACH SLAB

1/2" = 1'-0"



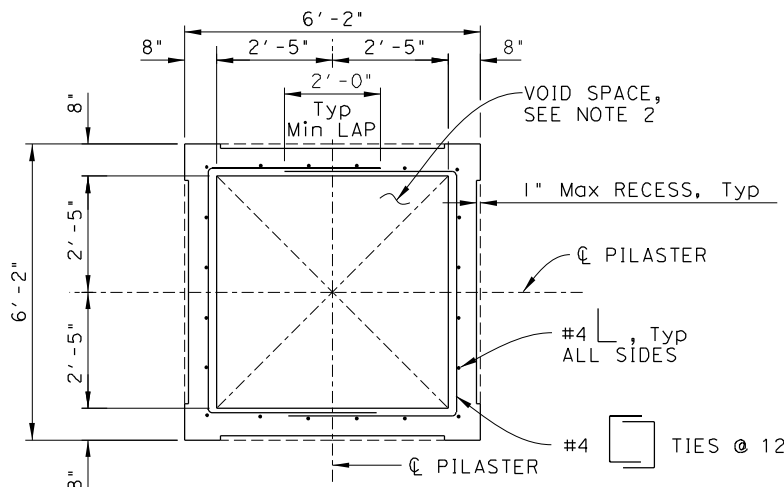
SECTION A-A

NOTE: Abut 1 Left Pilaster shown. All others similar unless noted.



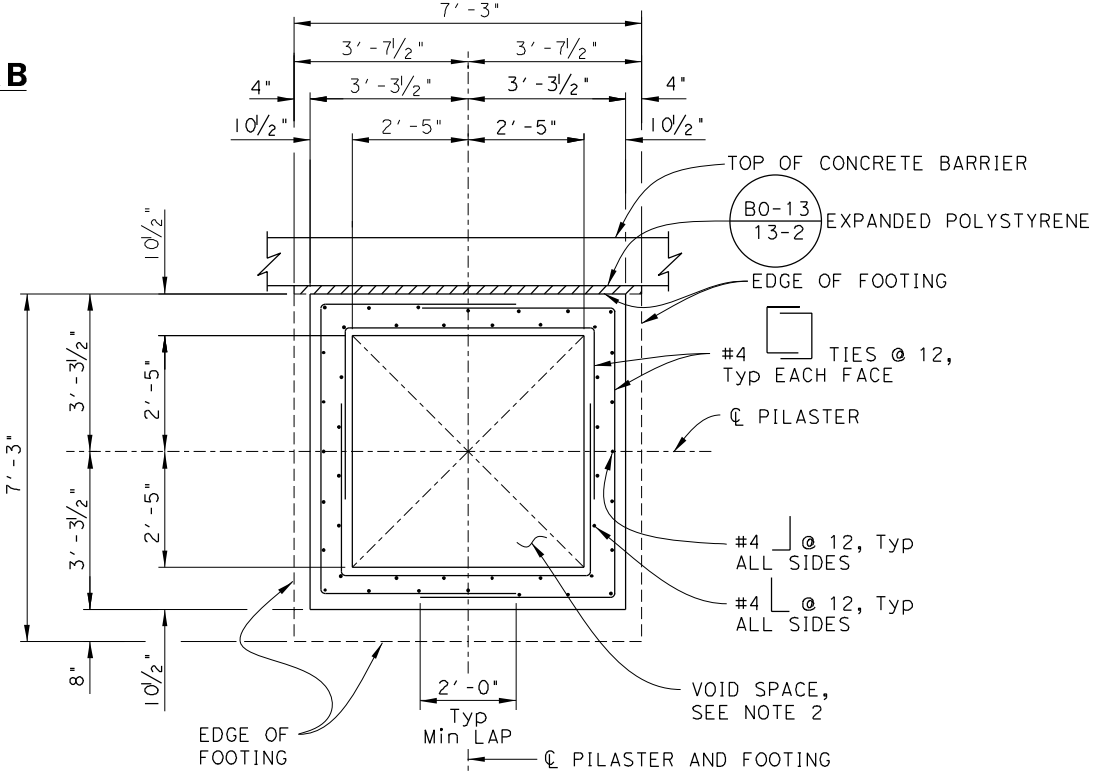
CAP DETAIL

1/2" = 1'-0"



SECTION B-B

1/2" = 1'-0"



SECTION C-C

1/2" = 1'-0"

NOTES:

- Class 1 surface finish shall be applied to Pilaster and Cap.
- The contractor must remove all formwork from inside of Pilaster prior to placement of Cap.
- For location of pilasters, see "FOUNDATION PLAN" sheet.
- Fiberglass City Emblem Panel to be installed on all sides of pilaster. See "ARCHITECTURAL DETAILS NO. 1" sheet for additional details.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
PILASTER DETAILS

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 FILE => 56-0845-t-pil1d101.dgn

TIME PLOTTED => 08:27 USERNAME => p004336A

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: 2232 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES

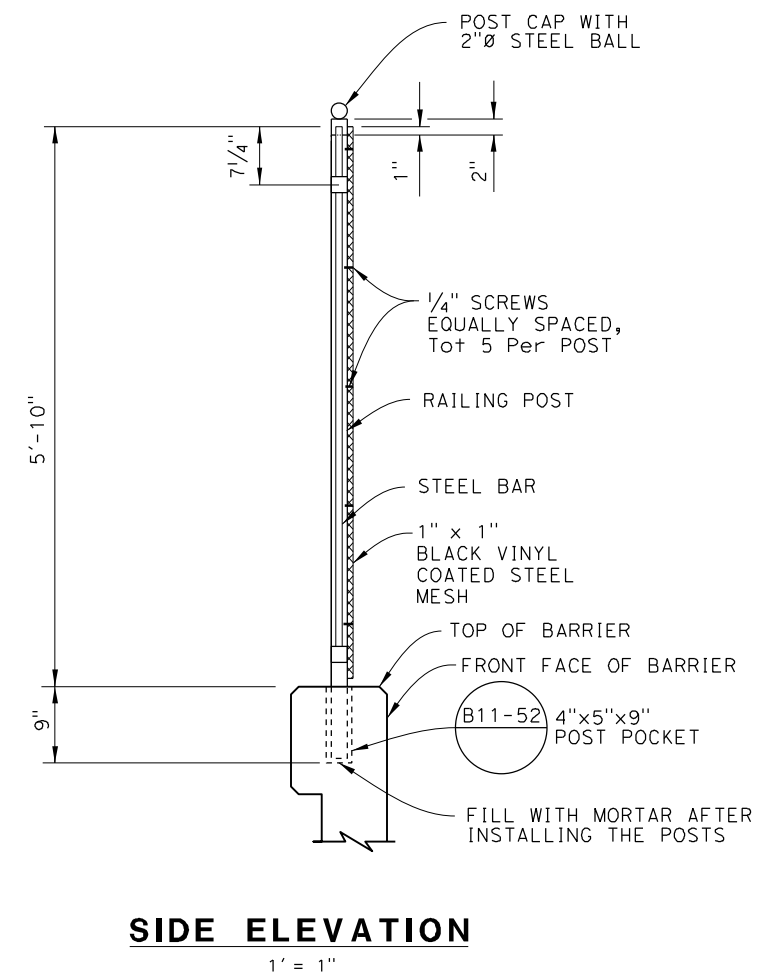
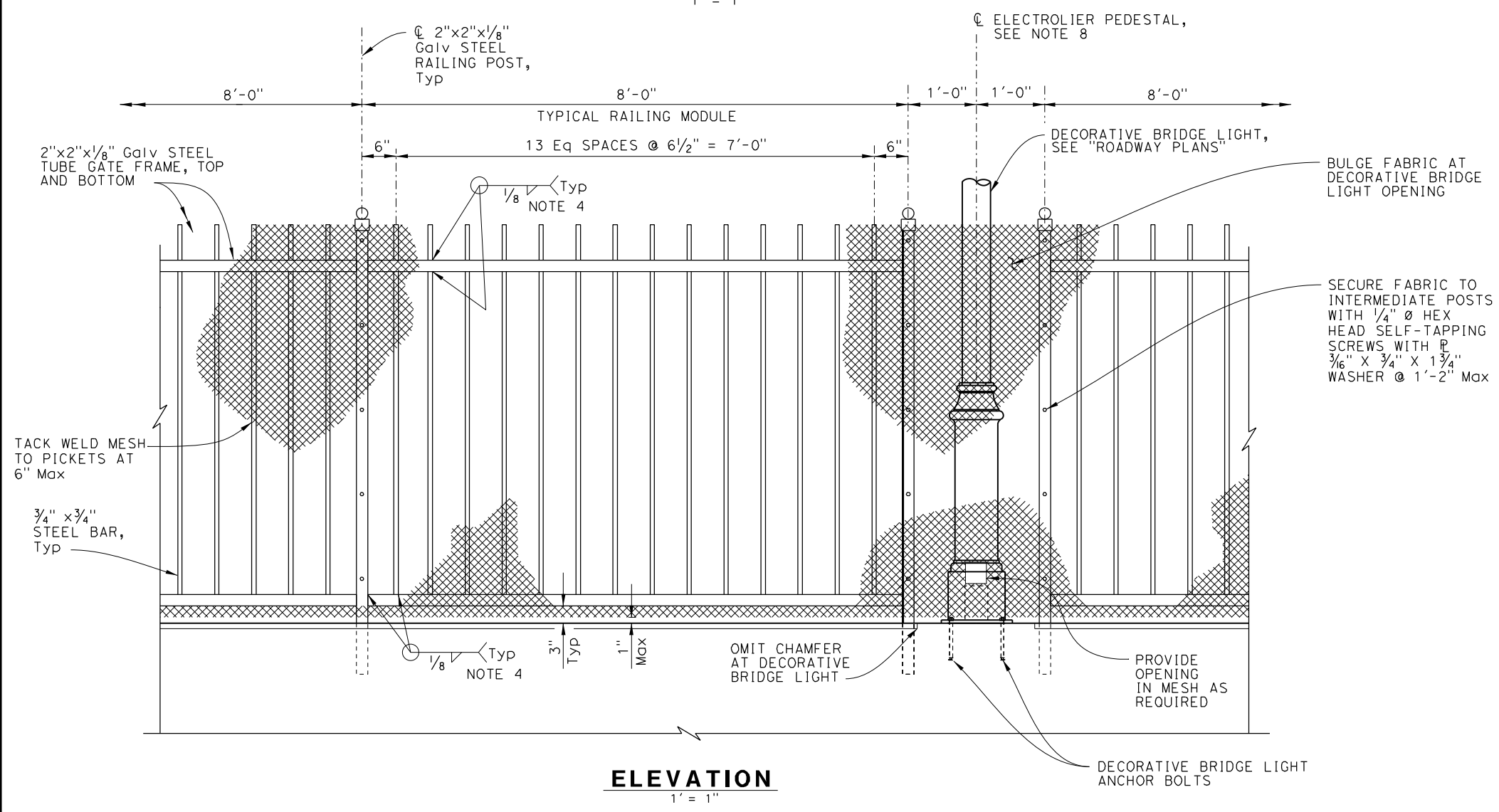
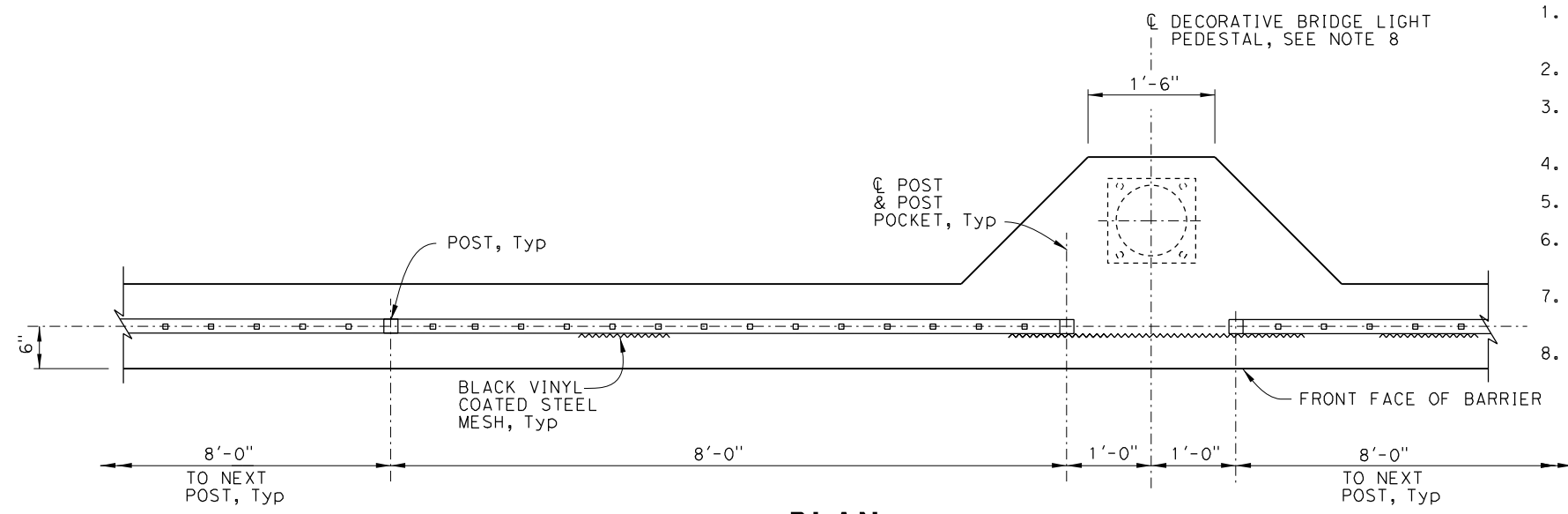
REVISION DATES	SHEET	OF
10/24/19 03/05/20 05/19/20 08/05/20	32	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	351	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
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 IRVINE, CA 92612

- NOTES:
- Railing assembly except chain link fabric to be galvanized after fabrication.
 - Post must be vertical.
 - Install 1" square vinyl coated steel mesh (front side of railing).
 - Grind finish all welded joints, Typ
 - When rail is on slope, place fabric parallel to slope.
 - Alternative details may be submitted by Contractor for Engineer's approval.
 - For details and reinforcement not shown see Standard Plans B11-58 and B11-59.
 - For locations, see "ARCHITECTURAL DETAILS NO. 2" sheet.



NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 PROJECT MILE 19.2
MORENO BEACH DRIVE OC (REPLACE)
PICKET RAILING FENCE

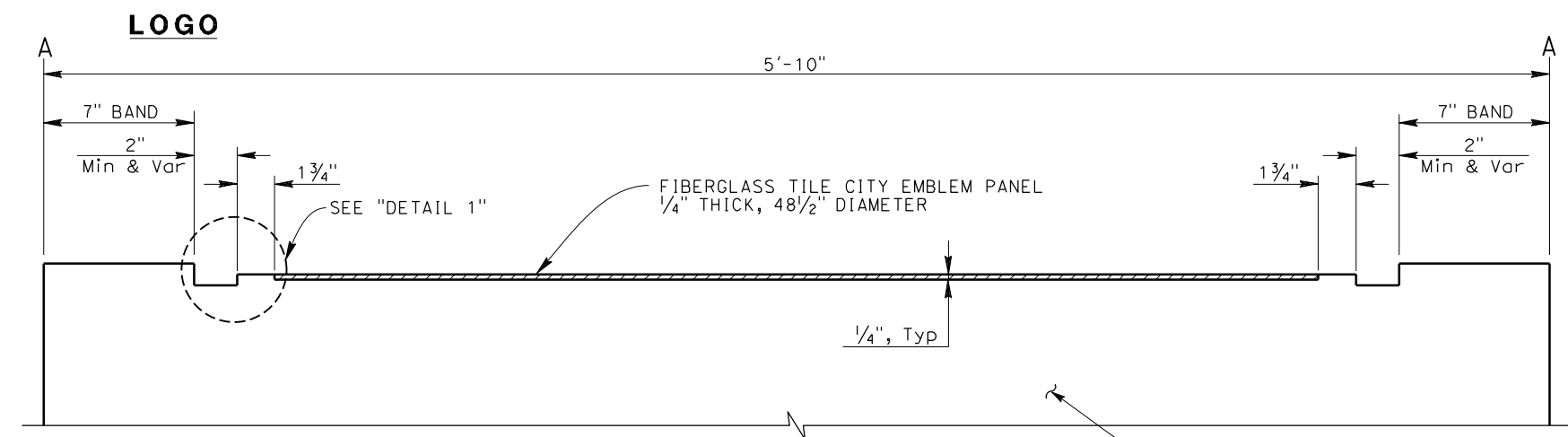
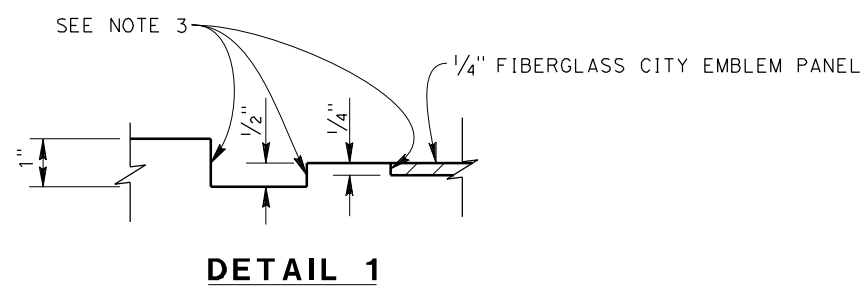
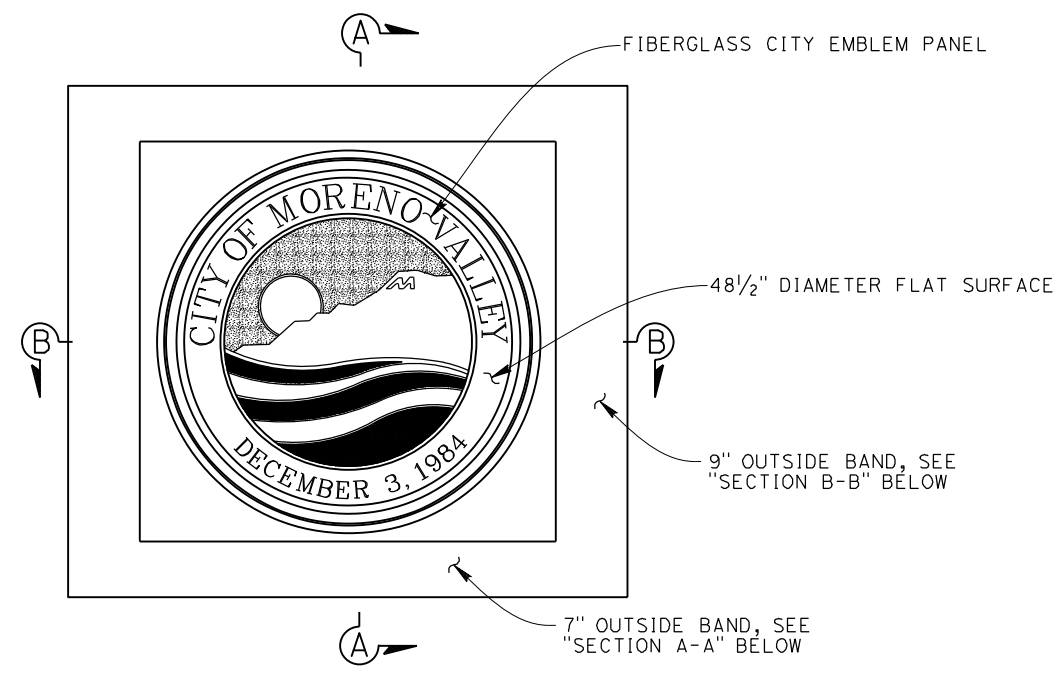
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	352	358

08/05/20
 REGISTERED CIVIL ENGINEER DATE
 Breanna H Lux
 No. C83083
 Exp. 9-30-22
 CIVIL
 STATE OF CALIFORNIA

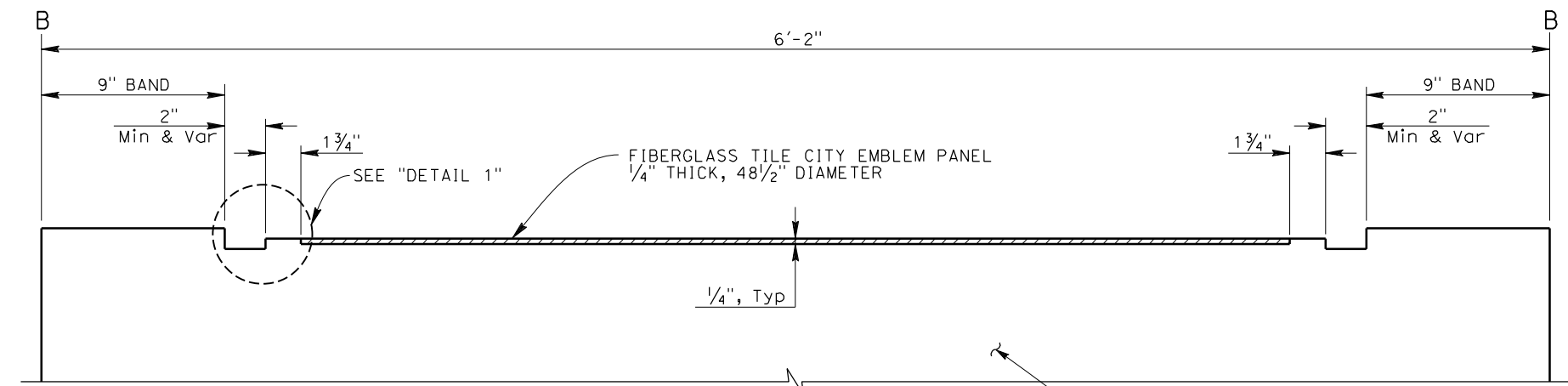
City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552
PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612

NOTES

1. Provide sample of fiberglass City Emblem Panel prior to fabricating for Engineer's approval.
2. Attach fiberglass emblem with tamper proof screws per the manufacturer's specifications.
3. On traffic face of pilaster, add a bevel 45° from vertical surface at 1" inset and 15° from vertical surface at 1/2" and 1/4" insets.



SECTION A-A
No Scale



SECTION B-B
No Scale

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

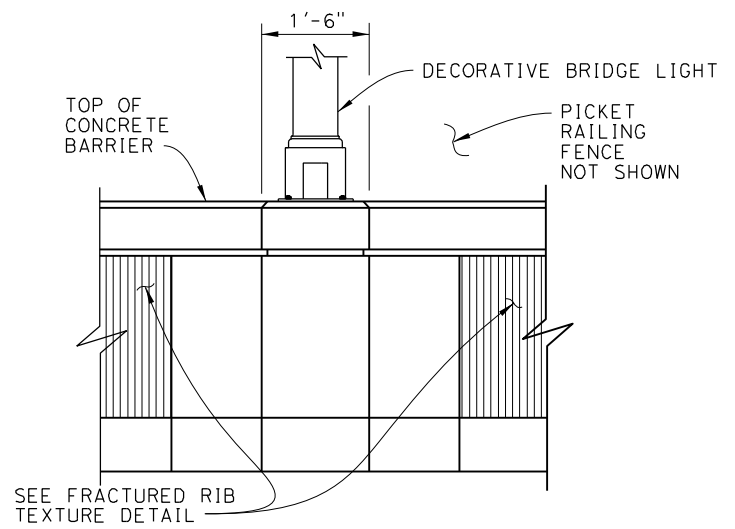
Lily Sun
 DESIGN OVERSIGHT
 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

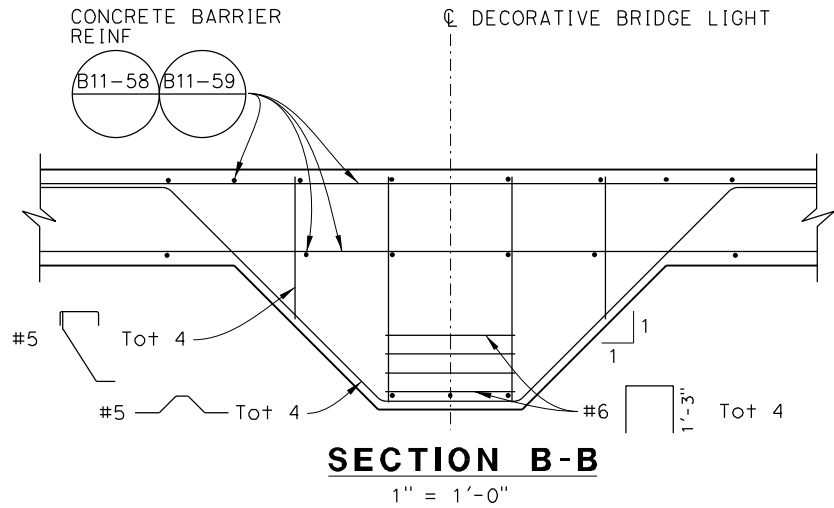
PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2
MORENO BEACH DRIVE OC (REPLACE)
ARCHITECTURAL DETAILS NO. 1

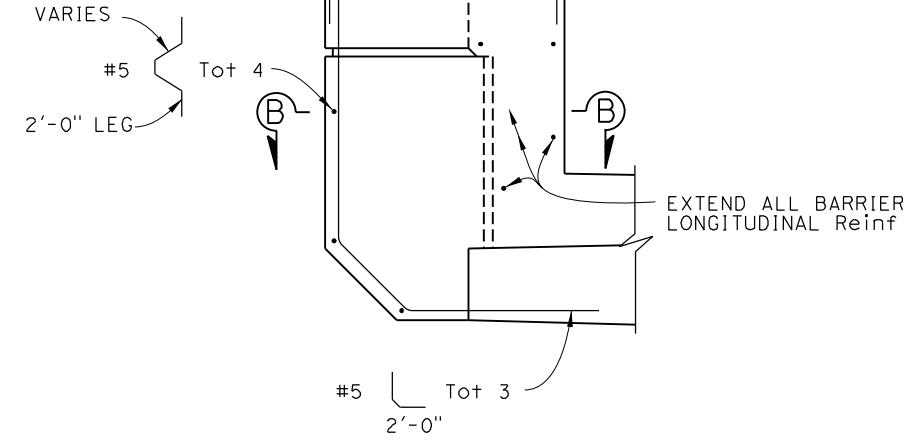
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	353	358
08/05/20		REGISTERED CIVIL ENGINEER DATE			
Breanna H Lux		REGISTERED PROFESSIONAL ENGINEER			
No. C83083		Exp. 9-30-22			
CIVIL		STATE OF CALIFORNIA			
PLANS APPROVAL DATE					
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City of Moreno Valley 14177 Frederick Street Moreno Valley, CA 92552					
PARSONS 2201 DUPONT DRIVE, SUITE 200 IRVINE, CA 92612					



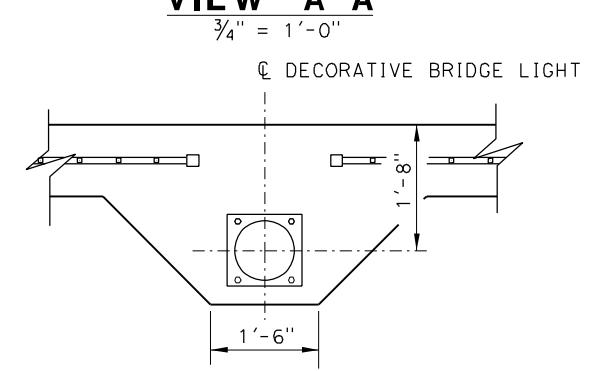
VIEW A-A
3/4" = 1'-0"



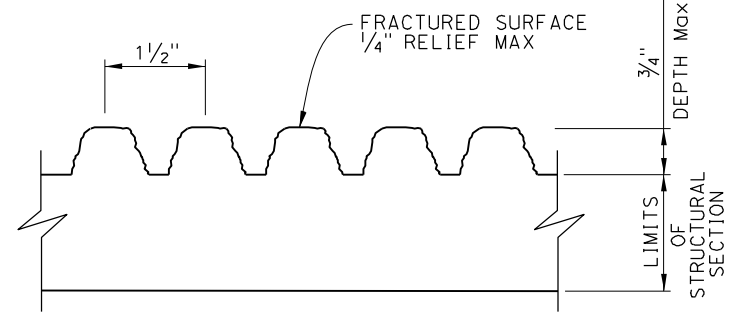
SECTION B-B
1" = 1'-0"



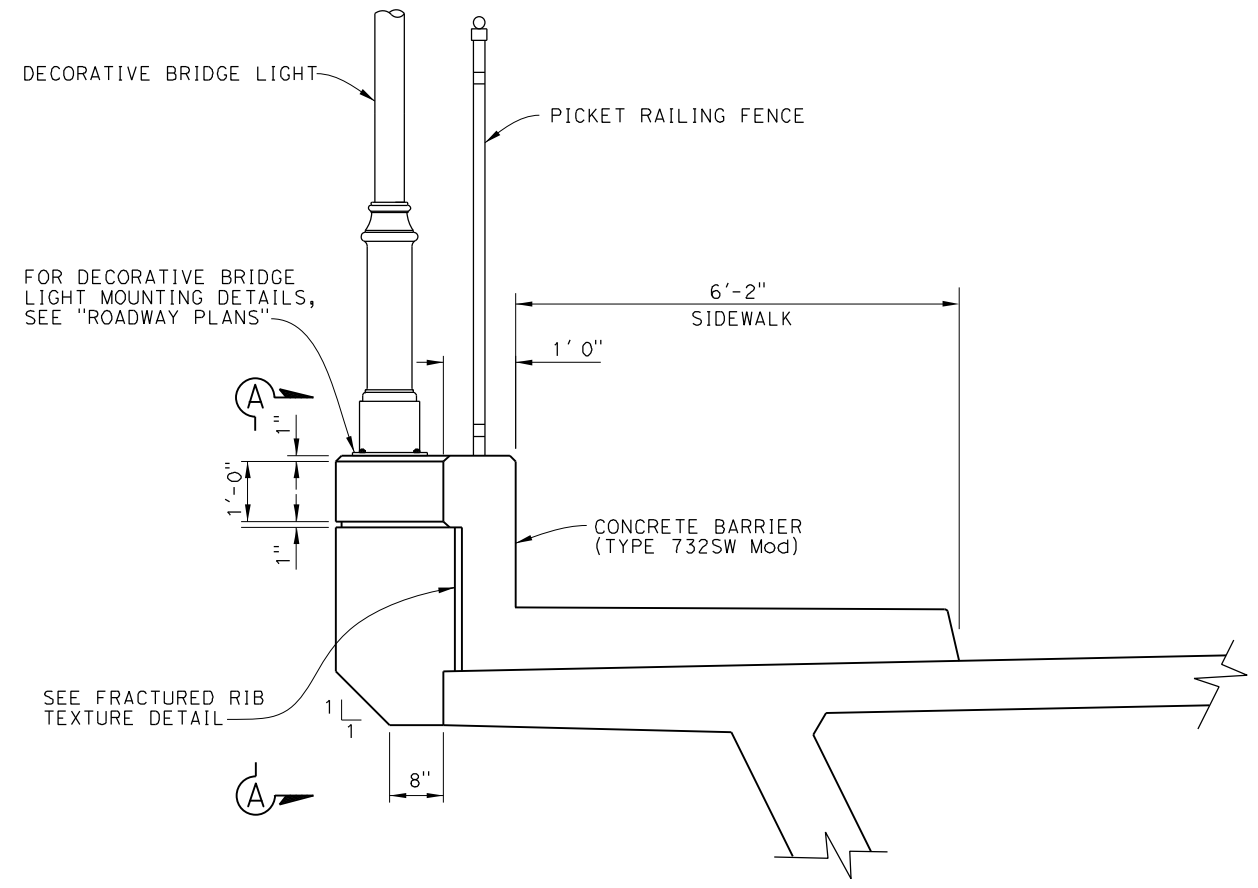
PEDESTAL ELEVATION
1" = 1'-0"



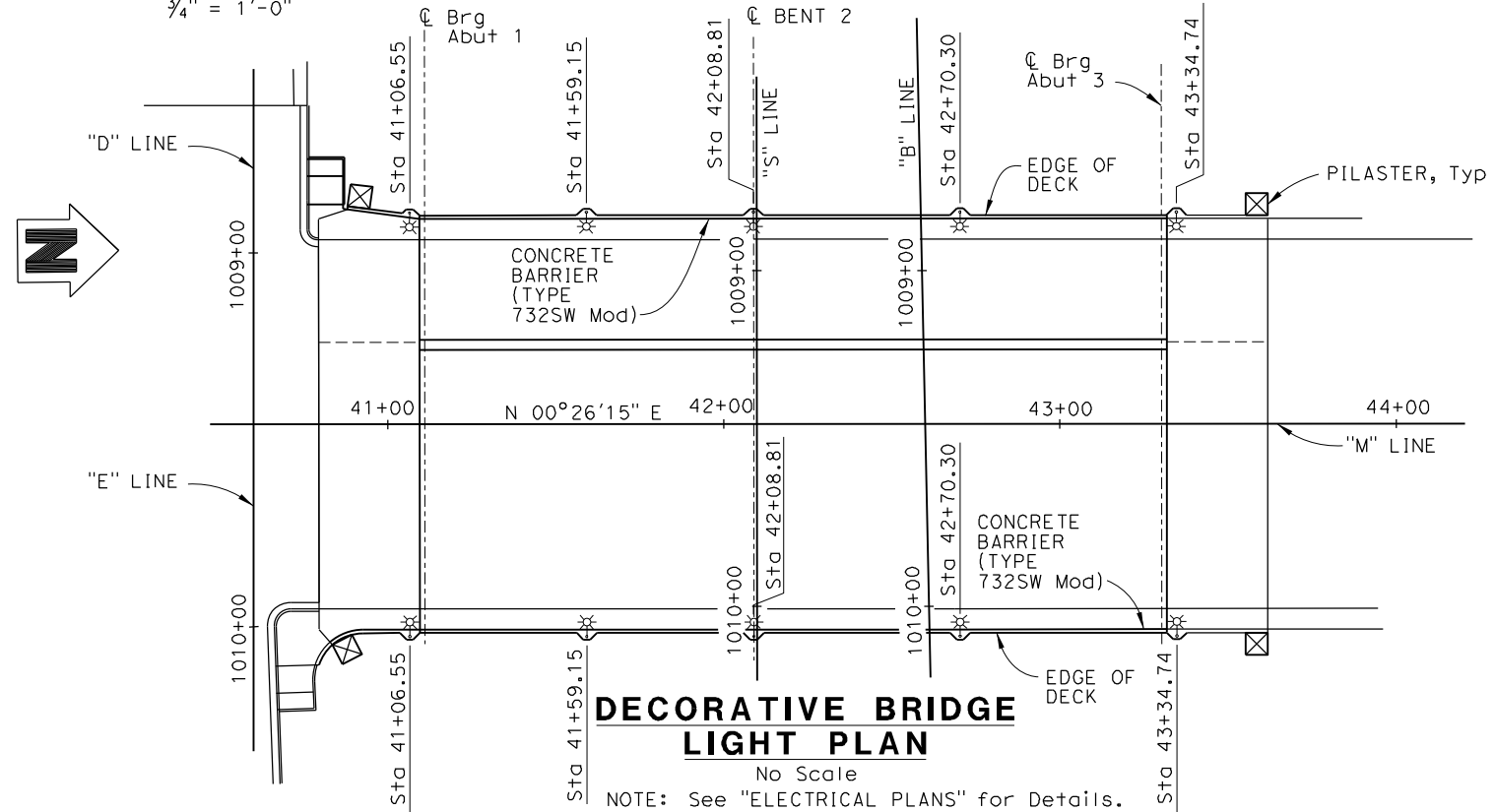
LIGHT BLISTER DETAIL
3/4" = 1'-0"



FRACTURED RIB TEXTURE
No Scale



CONCRETE BARRIER TYPE 732SW (MOD)
3/4" = 1'-0"



DECORATIVE BRIDGE LIGHT PLAN
No Scale

NOTE: See "ELECTRICAL PLANS" for Details.

NOTE: For information not shown, see B11-58 B11-59

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
Lily Sun
8/10/2020
SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Kevin Michalski
PROJECT ENGINEER

BRIDGE No.	56-0845
POST MILE	19.2

MORENO BEACH DRIVE OC (REPLACE)
ARCHITECTURAL DETAILS NO. 2

DESIGN DETAIL SHEET
(ENGLISH) (REVISION 4/19/2018)


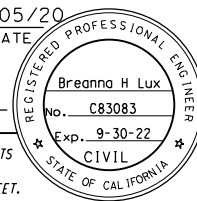
DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:29 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 2232
PROJECT NUMBER & PHASE: 08120000591

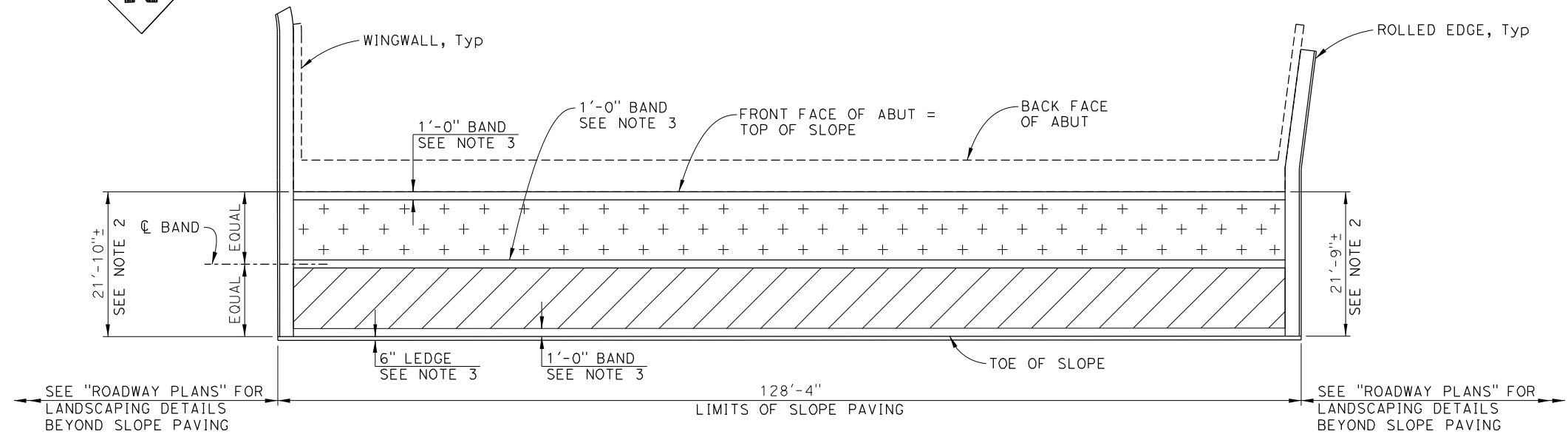
CONTRACT No.: 08-323034

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	10/24/19 03/05/20 05/19/20 08/05/20	35	40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	354	358

 08/05/20
 REGISTERED CIVIL ENGINEER DATE

 PLANS APPROVAL DATE
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City of Moreno Valley
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PARSONS
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



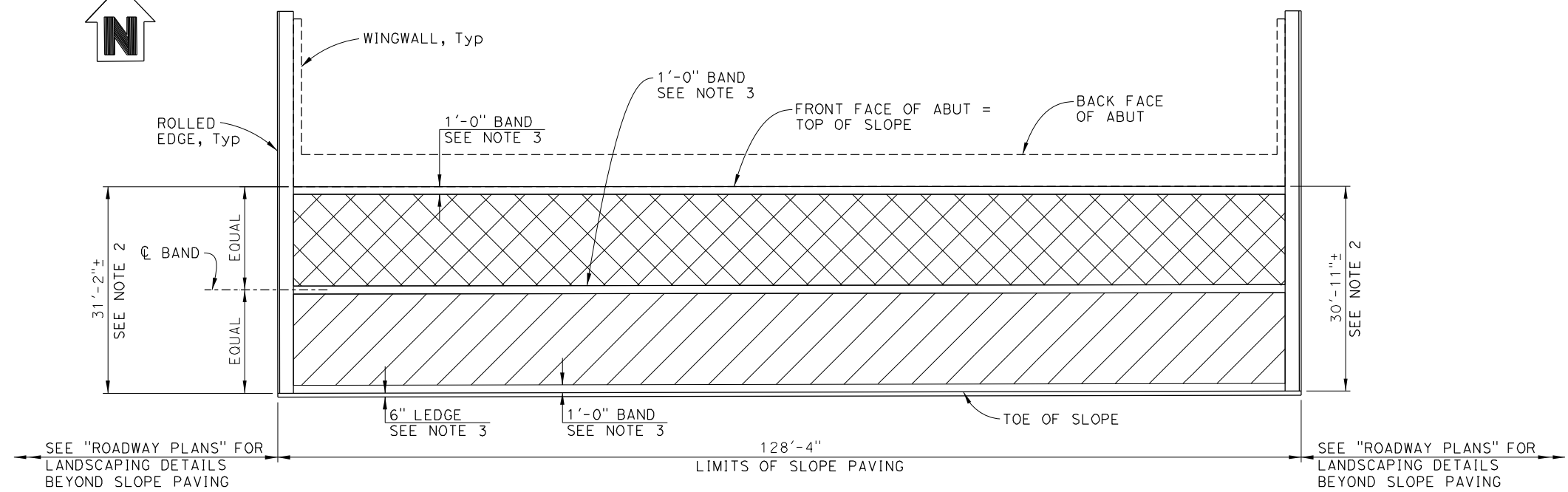
SLOPE PAVING LAYOUT (ABUT 1)
No Scale

NOTES:

1. Contractor is to seed specified aggregates into each band separately making sure that all stones are well seated and have good contact with the underlying concrete.
2. Dimensions shown are along the slope and approximate. Dimensions to be adjusted based on final grading placed during construction and as directed by the Engineer.
3. For additional slope paving details, see "SLOPE PAVING - FULL SLOPE" sheet.


LEGEND:

-  Rock Mulch (Red)
-  Rock Mulch (Gold)
-  Rock Mulch (Grey)



SLOPE PAVING LAYOUT (ABUT 3)
No Scale

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT

 8/10/2020
 SIGN OFF DATE

DESIGN	BY B. Lux	CHECKED K. BOWES
DETAILS	BY S. Weight	CHECKED K. BOWES
QUANTITIES	BY B. Lux	CHECKED K. BOWES

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 Kevin Michalski
 PROJECT ENGINEER

BRIDGE No.	MORENO BEACH DRIVE OC (REPLACE)
56-0845	
POST MILE	ARCHITECTURAL DETAILS NO. 3
19.2	

DESIGN DETAIL SHEET (ENGLISH) (REVISION 4/19/2018)

DATE PLOTTED => 03-AUG-2020 TIME PLOTTED => 08:29 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
 FILE => 56-0845-u-archd+03.dgn USERNAME => p004336A

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

CONTRACT No.: 08-323034	REVISION DATES	SHEET 36 OF 40
	10/24/19 03/05/20 05/19/20 08/05/20	

DISREGARD PRINTS BEARING EARLIER REVISION DATES

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60	18.8/19.6	355	358

George Douglass 08/05/20
REGISTERED CIVIL ENGINEER DATE

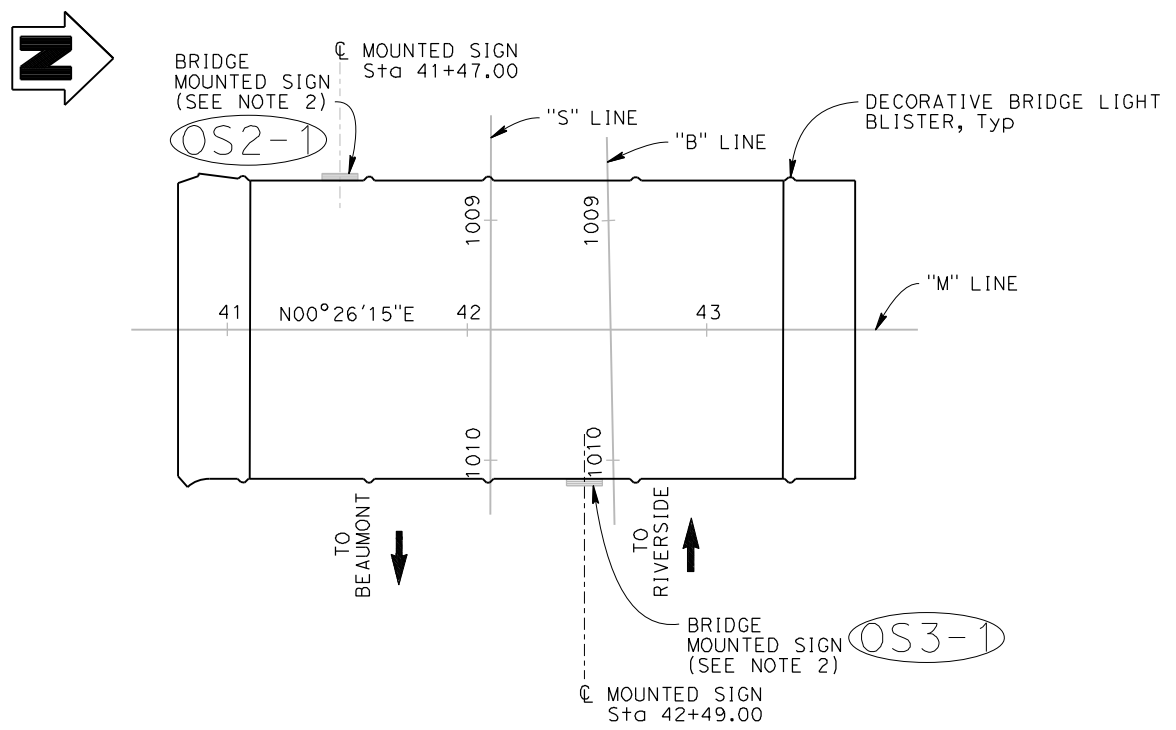
George Adam Douglass
No. C78142
Exp. 9-30-21
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

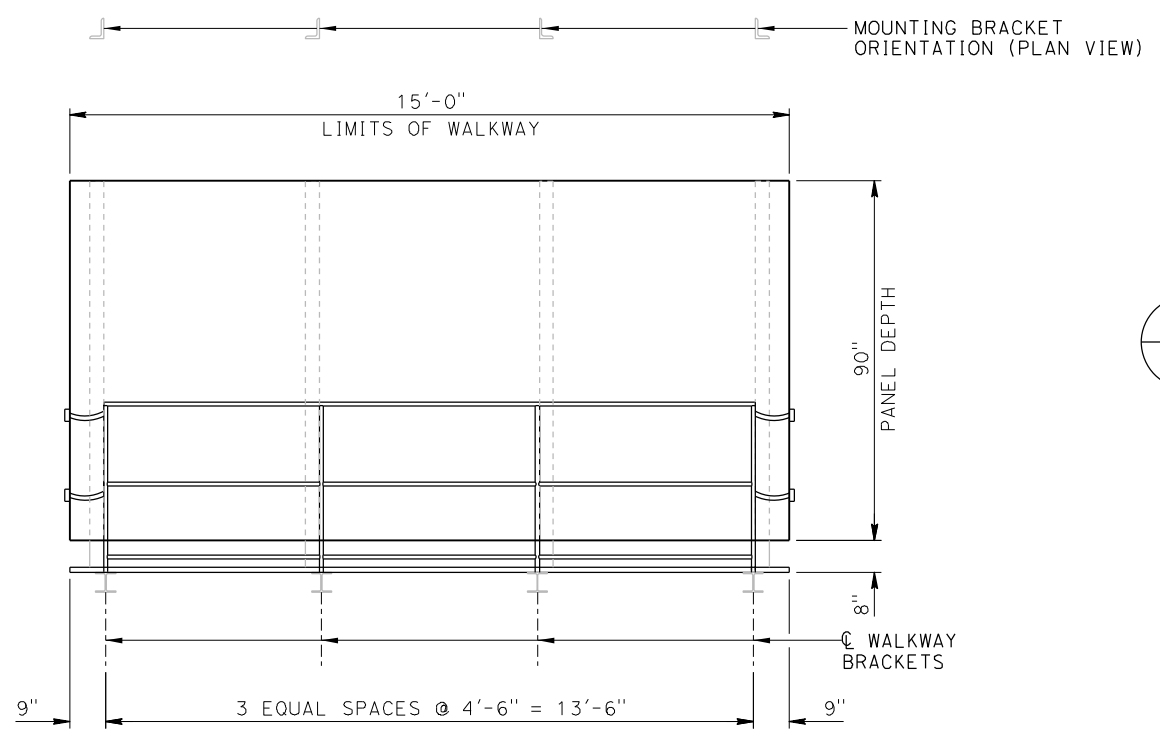
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

City of Moreno Valley
14177 Frederick Street
Moreno Valley, CA 92552

PARSONS
2201 DUPONT DRIVE, SUITE 200
IRVINE, CA 92612

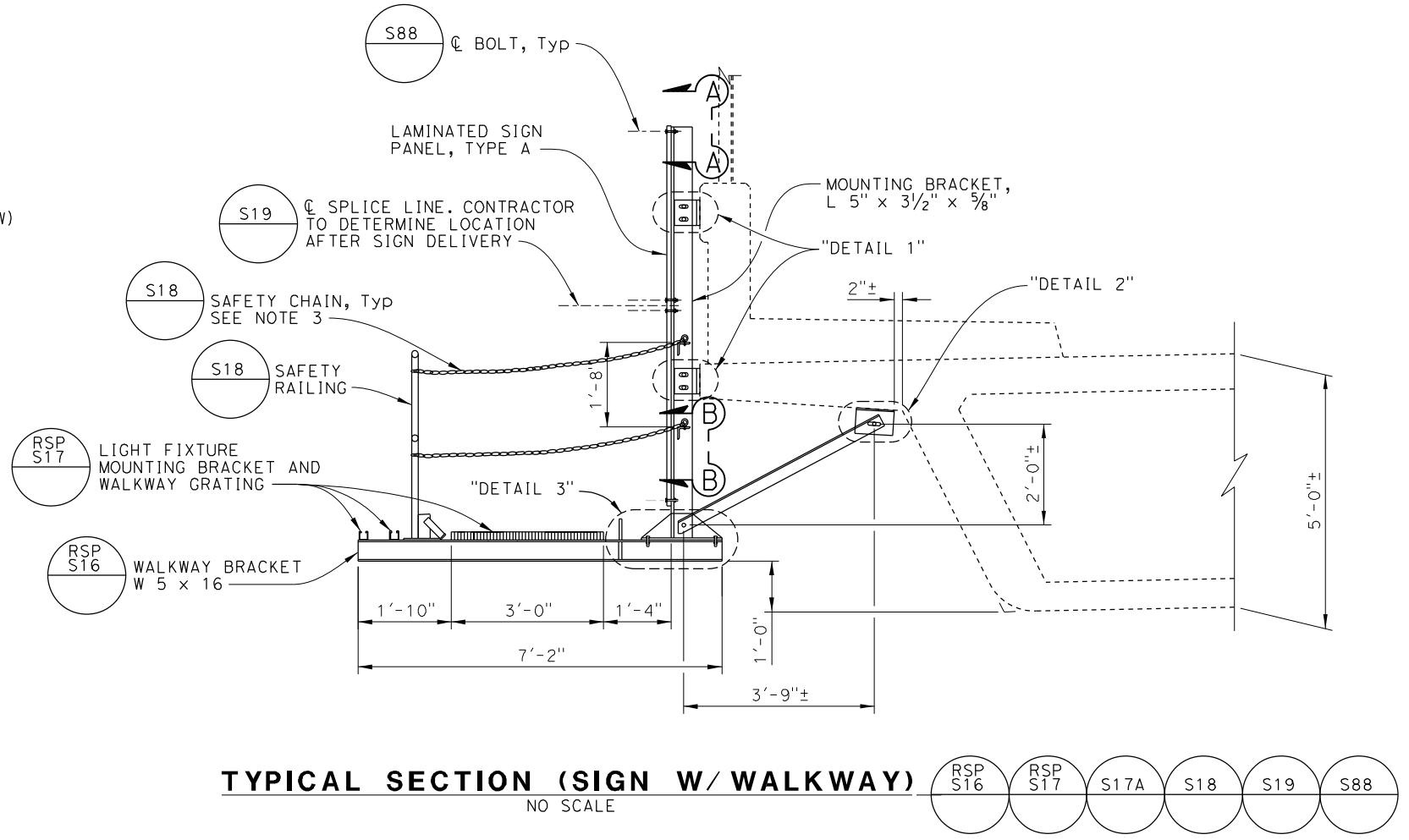


LOCATION PLAN
1" = 40'



SIGN ELEVATION OS2-1 OS3-1
NO SCALE

- NOTES:**
1. For details not shown, see Revised Standard Plans S16 and S17, and Standard Plans S17A, S18, S19, and S88.
 2. For sign panel details, see "ROADWAY PLANS".
 3. Safety chain is located at the ends of the walkway only but is shown here for clarity.
 4. All High Strength (HS) bolts shall be snug tightened.
 5. For "DETAIL 1", "DETAIL 2", "DETAIL 3", "SECTION A-A", "SECTION B-B", and additional sign details see "BRIDGE MOUNTED SIGN DETAILS NO. 2" sheet.



TYPICAL SECTION (SIGN W/ WALKWAY)
NO SCALE

RSP S16	RSP S17	S17A	S18	S19	S88
---------	---------	------	-----	-----	-----

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
Lily Sun
8/10/2020
SIGN OFF DATE

DESIGN	BY C. Douglass	CHECKED M. Principe
DETAILS	BY C. Douglass	CHECKED M. Principe
QUANTITIES	BY B. Lux	CHECKED K. Bowes

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Kevin Michalski
PROJECT ENGINEER

BRIDGE No. 56-0845
POST MILE 19.2

MORENO BEACH DRIVE OC (REPLACE)
BRIDGE MOUNTED SIGN DETAILS NO. 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	356	358

George Douglass 08/05/20
 REGISTERED CIVIL ENGINEER DATE

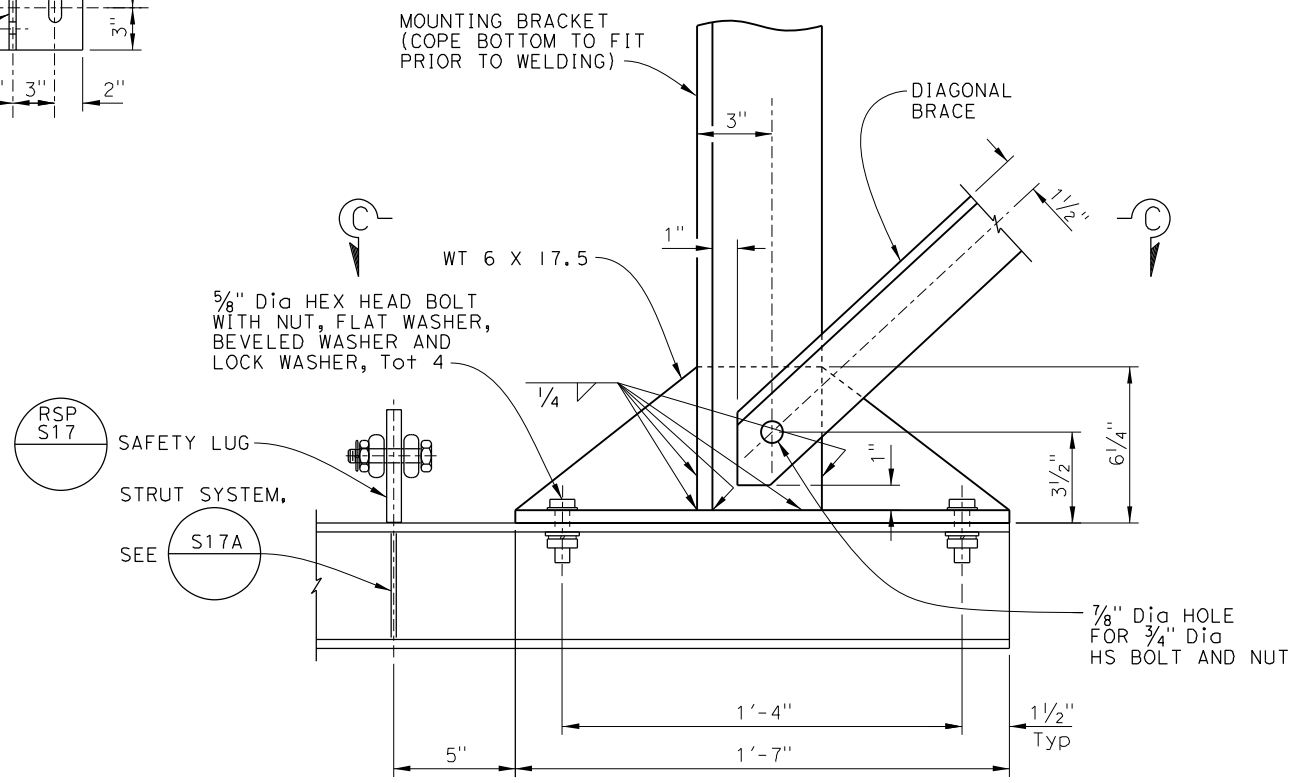
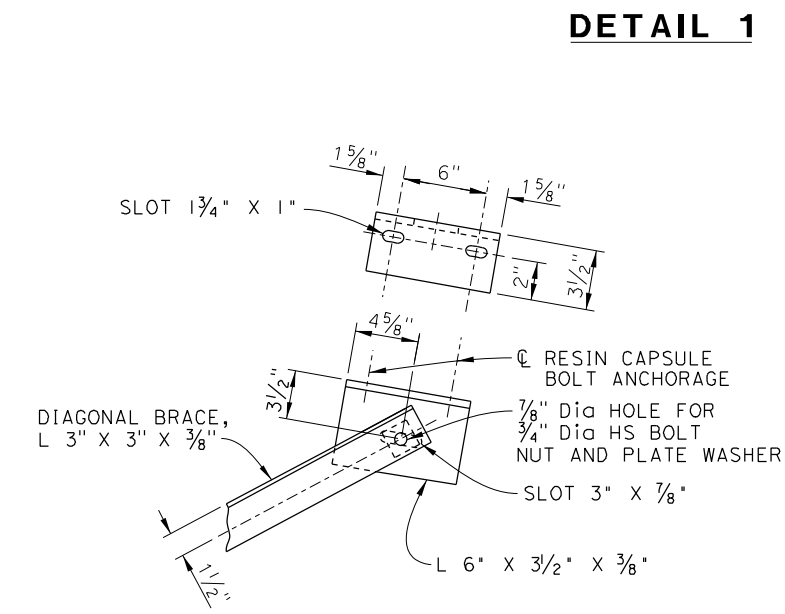
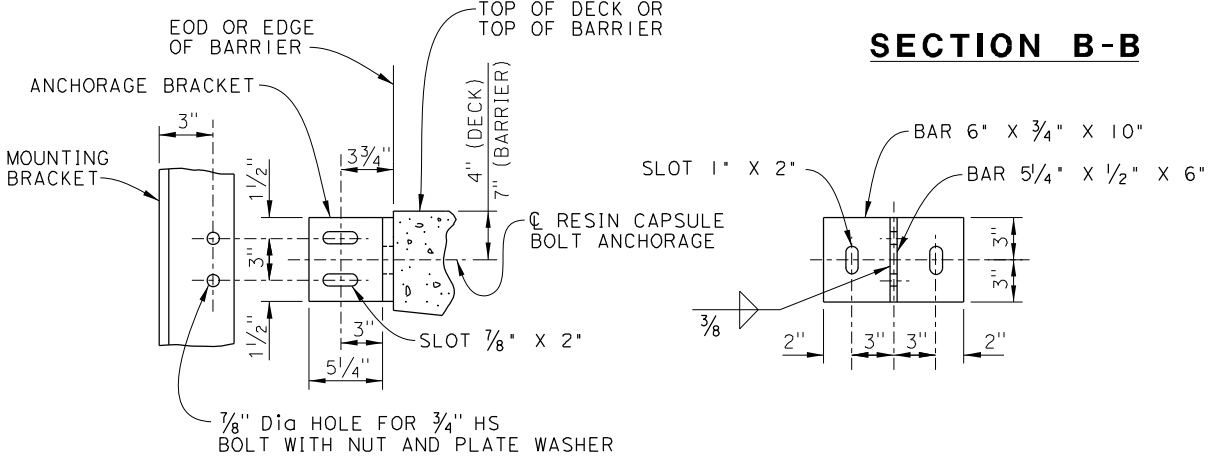
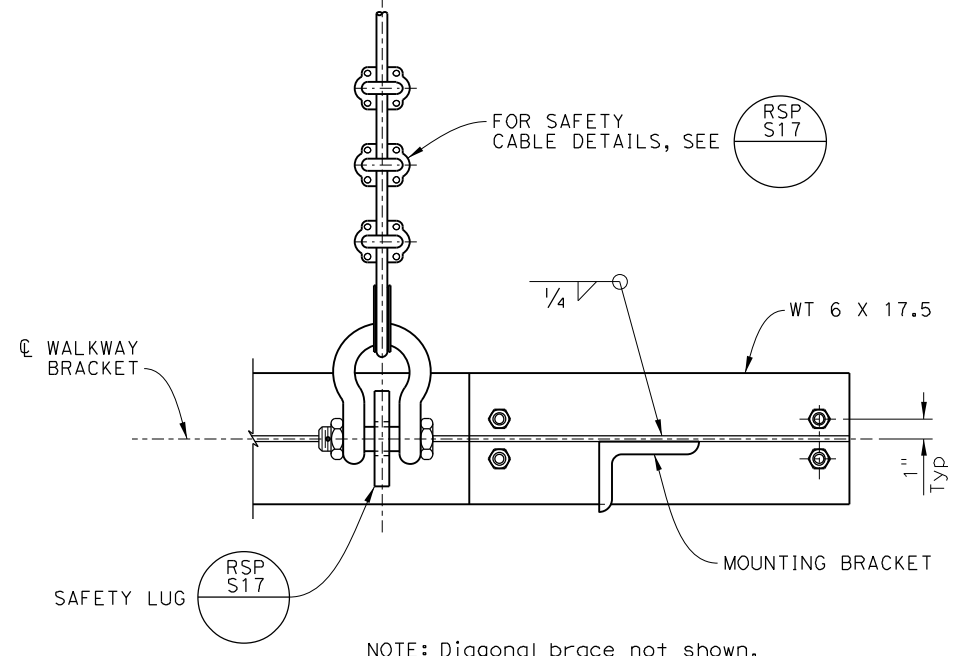
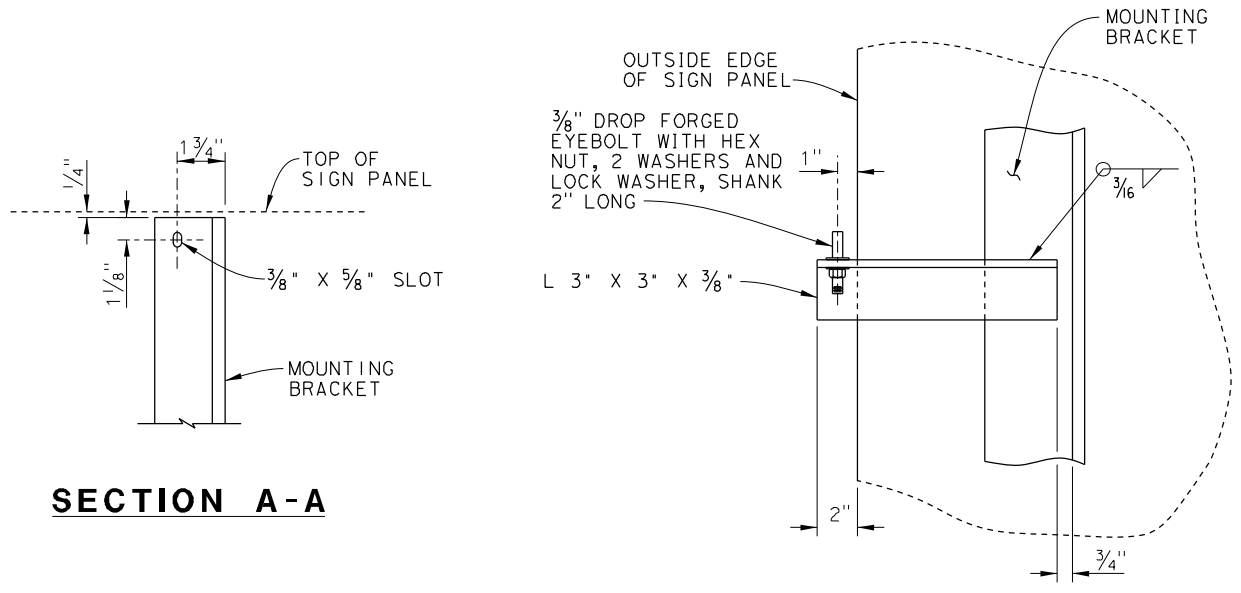
George Adam Douglass
 No. C78142
 Exp. 9-30-21
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

City of Moreno Valley
 14177 Frederick Street
 Moreno Valley, CA 92552

PARSONS
 2201 DUPONT DRIVE, SUITE 200
 IRVINE, CA 92612



- NOTES:
1. Resin capsule anchorage is subject to approval of Engineer. Installation procedure shall comply with manufacturer's instructions.
 2. Unless otherwise shown all steel shall be galvanized after fabrication.
 3. Resin capsule bolt anchorage shall be installed in sound concrete free of cracks or delamination.
 4. Minimum size fillet weld is 1/4" or thickness of thinner part unless noted otherwise.

NOTE: The Contractor must verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT
 Lily Sun
 8/10/2020

SIGN OFF DATE

DESIGN	BY C. Douglass	CHECKED M. Principe
DETAILS	BY C. Douglass	CHECKED M. Principe
QUANTITIES	BY B. Lux	CHECKED K. Bowes

DATE PLOTTED => 03-AUG-2020
 FILE => 56-0845-w-bmsd+02.dgn

TIME PLOTTED => 08:30
 USERNAME => p004336a

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

PREPARED FOR THE
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

Kevin Michalski
 PROJECT ENGINEER

BRIDGE No. 56-0845
 POST MILE 19.2

UNIT: 2232
 PROJECT NUMBER & PHASE: 08120000591

MORENO BEACH DRIVE OC (REPLACE)	
BRIDGE MOUNTED SIGN DETAILS NO. 2	
CONTRACT No.: 08-323034	REVISION DATES
	03/05/20 05/19/20 08/05/20
SHEET 38	OF 40

BENCHMARK

Pt.18007
N:2285890.92 E:6276076.45 Elevation: 1735.35
FD 2" Brass Disk Stamped "California Division of
Highways C/L Nason POT 12+60.00"

Pt.11006
N:2285947.07 E:6280039.46 Elevation: 1766.97
FD 2" Brass Disk Stamped "California Division of
Highways 368+16.73 C/L Hen 12+93.00" in Well 3.3' DN

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	18.8/19.6	357	358

08/05/20
GEOTECHNICAL PROFESSIONAL DATE

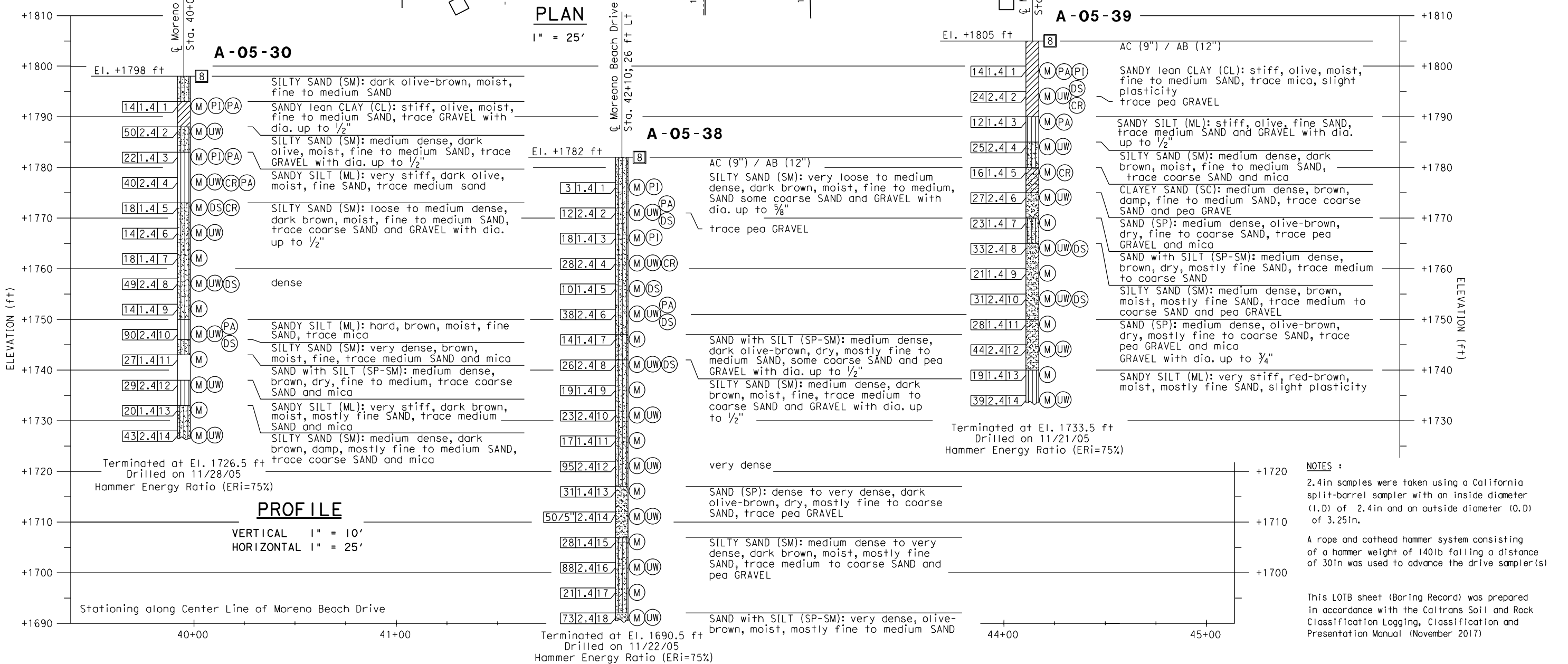
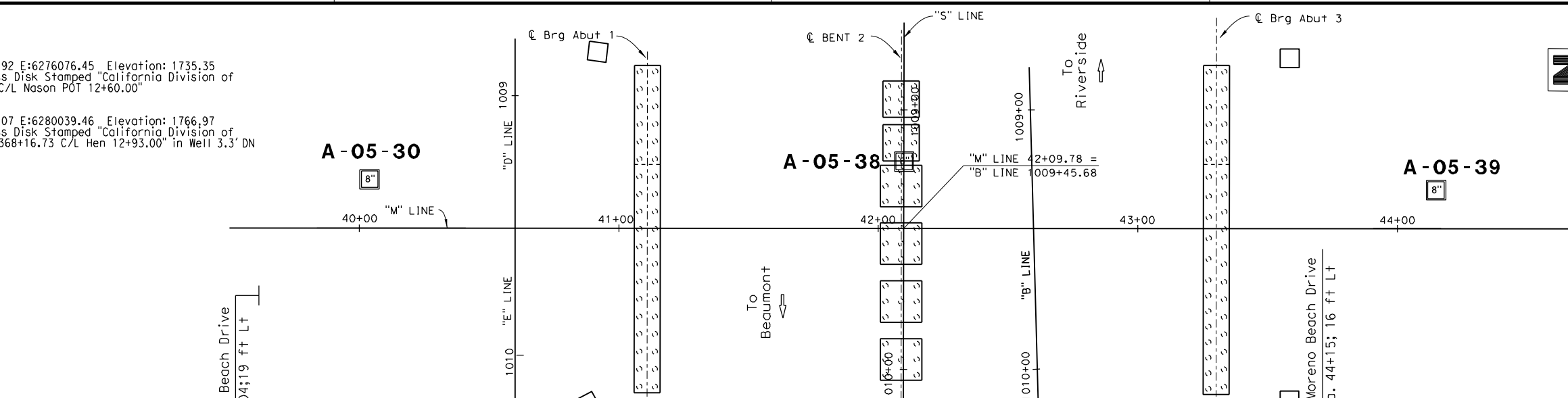
Eric Brown
No. 2806
Exp. 6/30/2022
REGISTERED PROFESSIONAL ENGINEER
GEOTECHNICAL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF MORENO VALLEY
14177 FREDERICK STREET
MORENO VALLEY, CA 92552

EARTH MECHANICS, INC
17660 NEWHOPE STREET, SUITE E
FOUNTAIN VALLEY, CA 92708



NOTES :

2.4in samples were taken using a California split-barrel sampler with an inside diameter (I.D) of 2.4in and an outside diameter (O.D) of 3.25in.

A rope and cathead hammer system consisting of a hammer weight of 140lb falling a distance of 30in was used to advance the drive sampler(s)

This LOTB sheet (Boring Record) was prepared in accordance with the Caltrans Soil and Rock Classification Logging, Classification and Presentation Manual (November 2017)

DESIGN OVERSIGHT <i>Lily Sun</i> 8/10/2020	DRAWN M. Hoshiyama	BY B. Schell	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 56-0845	MORENO BEACH DRIVE OC (REPLACE)
	CHECKED E. Brown	FIELD INVESTIGATOR 11/21/05 - 11/28/05		PROJECT ENGINEER E. Brown	

October 27, 1961

BENCH MARK = C 37A-52
 Sp. hd. nail in root of tree
 side of 72' Euc. tree 82' N.
 C.M. 360+35.
 ELEV. 1763.96

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES

As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. This drawing is available and possessed only for the convenience of any bidder, contractor or other interested party.

DISTRICT	COUNTY	ROUTE	RIGHT-OF-WAY POST-MILE TOTAL	PROJECT
8	RIV	60	10.87/1.6	358 358

DATE: 08/05/20

REGISTERED CIVIL ENGINEER

MORENO BEACH DRIVE OC (REPLACE)

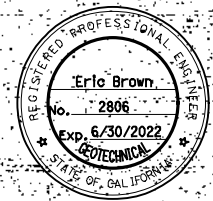
LOG OF TEST BORINGS (2 OF 2)

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA.

CD-2232	BRIDGE NO.
341 325034	56-0945

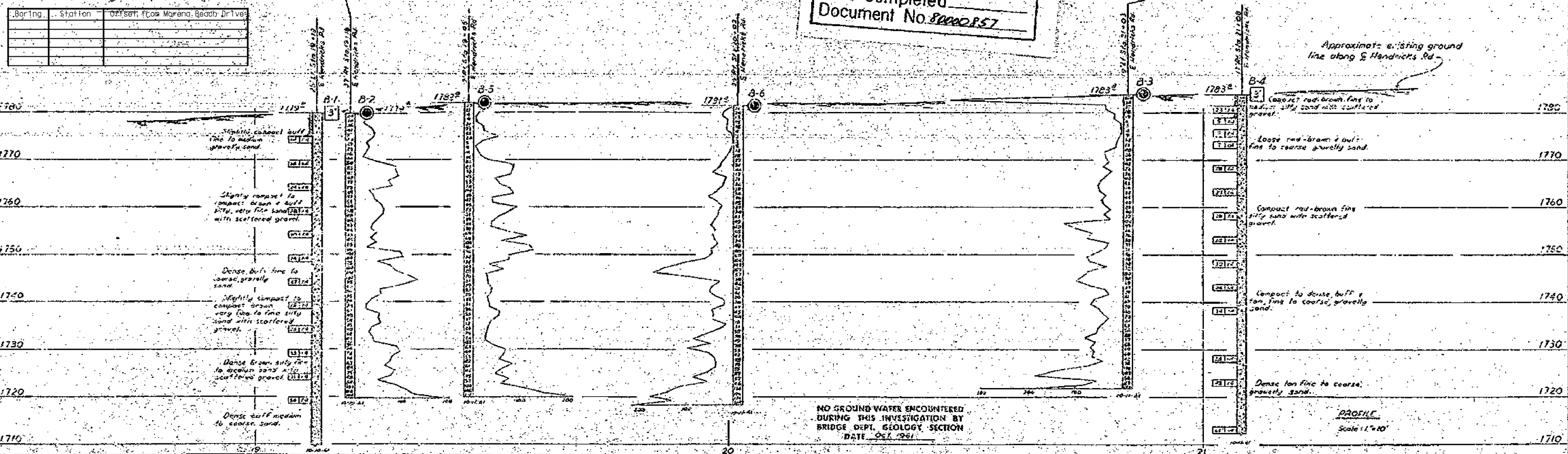
Revisions made to this Log of Test Borings from the original 1961 Log of Test Borings are the addition of the following Table and notes:

Boring	Station	Offset from Moreno Beach Drive



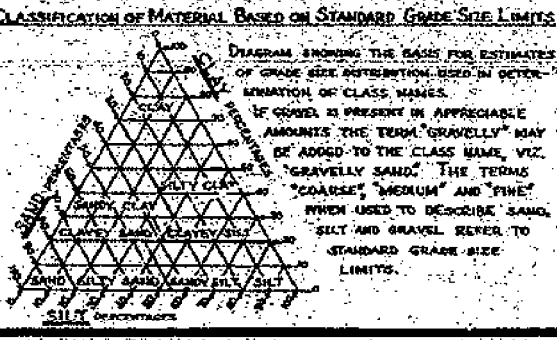
AS BUILT PLANS
 Contract No. 64-8V13C1
 Date Completed
 Document No. 80000857

NO. AS BUILT CHANGE
 THIS SET OF PLANS HAS BEEN CORRECTED TO CORRESPOND TO THE "AS BUILT" PRINTS DATED MAY 25, 1964, AS SUBMITTED BY RESIDENT ENGINEER, WARREN J. FOEL.
 TRACINGS CORRECTED BY [Signature] DATE: 7-21-64



BRIDGE DEPARTMENT

FIELD STUDY
 DRAWN
 CHECKED



- LEGEND OF EARTH MATERIALS**
- GRAVEL
 - SAND
 - SILT
 - CLAY
 - SANDY CLAY OR CLAYEY SAND
 - SANDY SILT OR SILTY SAND
 - SILTY CLAY OR CLAYEY SILT
 - PEAT AND/OR ORGANIC MATTER
 - FILL MATERIAL
 - IGNEOUS ROCK
 - SEDIMENTARY ROCK
 - METAMORPHIC ROCK

- LEGEND OF BORING OPERATIONS**
- PENETROMETER
 - 2 1/2" CONE PENETROMETER
 - SAMPLER BORING (DR)
 - ROTARY BORING (WET)
 - Auger Boring (DR)
 - JET BORING
 - COCK BORING
 - TEST PIT
 - 1" SOIL TUBE
 - ROTARY BORING
 - PENETRATION BORING

NOTE

Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF BRIDGES

HENDRICKS ROAD OVERCROSSING

LOG OF TEST BORINGS

SCALE As Shown BRIDGE 56-486 FILE DRAWING 6-56-195-13

PREL. DRAWING NO. P-56-195-13

154