DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2242	2313

REGISTERED CIVIL ENGINEER — DATE 10/01/14

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Dawit T Worku — No. C60711 — Exp. 12-31-14 — CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NOTES:

Ⓐ Paint "Br No. 53-E0144"

Ⓑ Concrete Barrier Type 736A (Mod 4)

Ⓒ For exact location of steps, see "LAYOUT" sheets

LEGEND:

⇨ Indicates direction of traffic

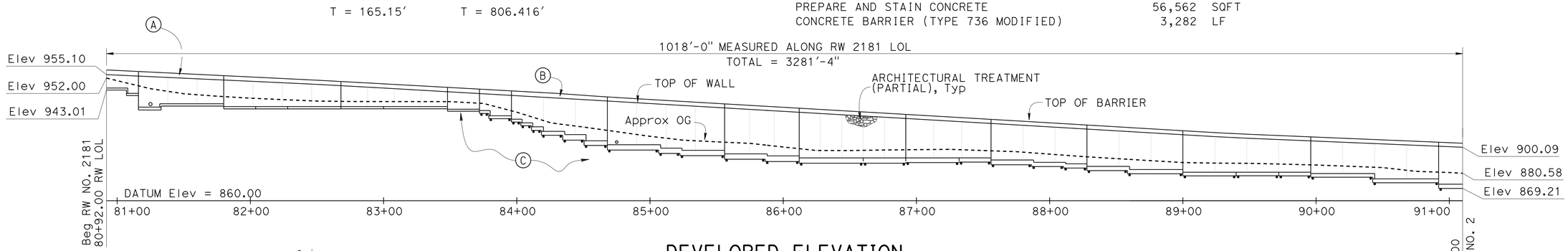
CURVE DATA

①	⑥
R = 3101.758′	R = 3000.00′
Δ = 06°05′43.95"	Δ = 30°05′29.510"
L = 329.988′	L = 1575.588′
T = 165.15′	T = 806.416′

QUANTITIES

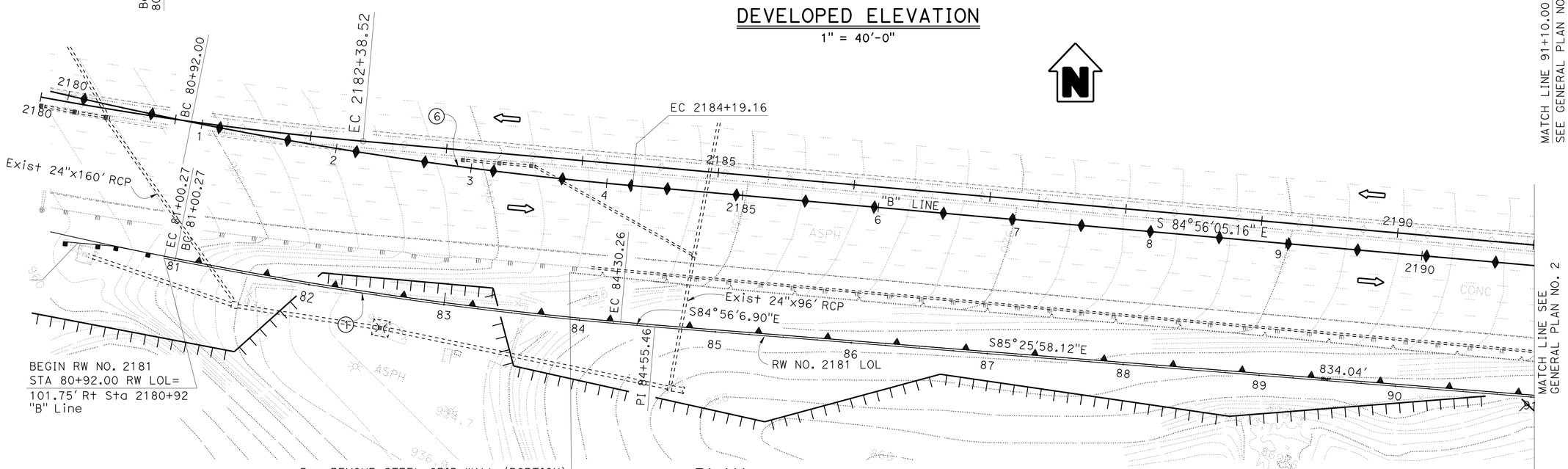
REMOVE RETAINING WALL (PORTION) (LS)	LUMP	SUM
STRUCTURE EXCAVATION (RETAINING WALL)	21,202	CY
STRUCTURE EXCAVATION (SOIL NAIL WALL)	198	CY
STRUCTURE EXCAVATION (TYPE Y-1) (AERIALLY DEPOSITED LEAD)	729	CY
STRUCTURE BACKFILL (RETAINING WALL)	29,463	CY
PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	1,676	CY
SOIL NAIL	102,820	LF
FURNISH STEEL PILING (HP 10 X 42)	82,970	LF
DRIVE STEEL PILE (HP 10 X 42)	2,137	EA
STRUCTURAL CONCRETE, RETAINING WALL	9,870	CY
CONCRETE SURFACE TEXTURE	53,839	SQFT
BAR REINFORCING STEEL (RETAINING WALL)	1,621,245	LB
PREPARE AND STAIN CONCRETE	56,562	SQFT
CONCRETE BARRIER (TYPE 736 MODIFIED)	3,282	LF

3



DEVELOPED ELEVATION

1" = 40′-0"



PLAN

1" = 40′

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

HOWARD NG — DESIGN ENGINEER	DESIGN	BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE
	DETAILS	BY K. FARAHZADI/A. ONG	CHECKED DAWIT WORKU	LAYOUT: BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU
	QUANTITIES	BY MOHAMMAD MUQTADIR	CHECKED EDDY SCOTT	SPECIFICATIONS: BY XIAODONG CHEN	PLANS AND SPECS COMPARED XIAODONG CHEN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 20

UNIT: 3622
PROJECT NUMBER & PHASE: 0713000007-4
CONTRACT NO.: 1193U1

BRIDGE NO. 53-E0144
POST MILE 41.80

RETAINING WALL NO. 2181
GENERAL PLAN 1 OF 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01/26/15 02/03/15 09/09/14

SHEET 1 OF 53

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53-E0144-a-gp01.add.dgn

USERNAME => s116260 DATE PLOTTED => 08-OCT-2015 TIME PLOTTED => 13:52

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2243	2313

REGISTERED CIVIL ENGINEER 10/01/14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Dawit T Worku No. C60711 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

3

NOTES:

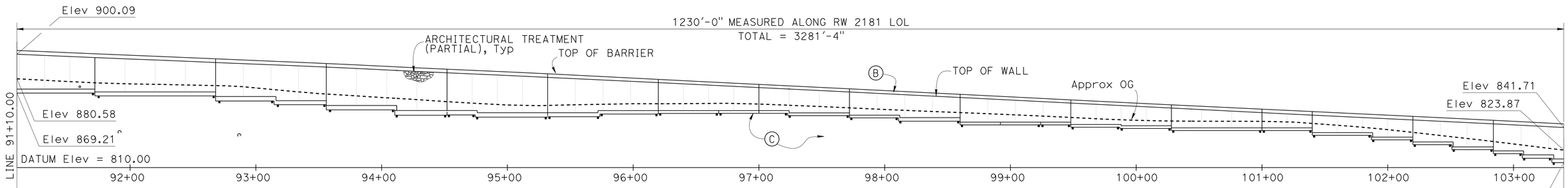
(A) Paint "Br No. 53-E0144"
(B) Concrete Barrier Type 736A (Mod 4)
(C) For exact location of steps, see "LAYOUT" sheets

LEGEND:

⇨ Indicates direction of traffic

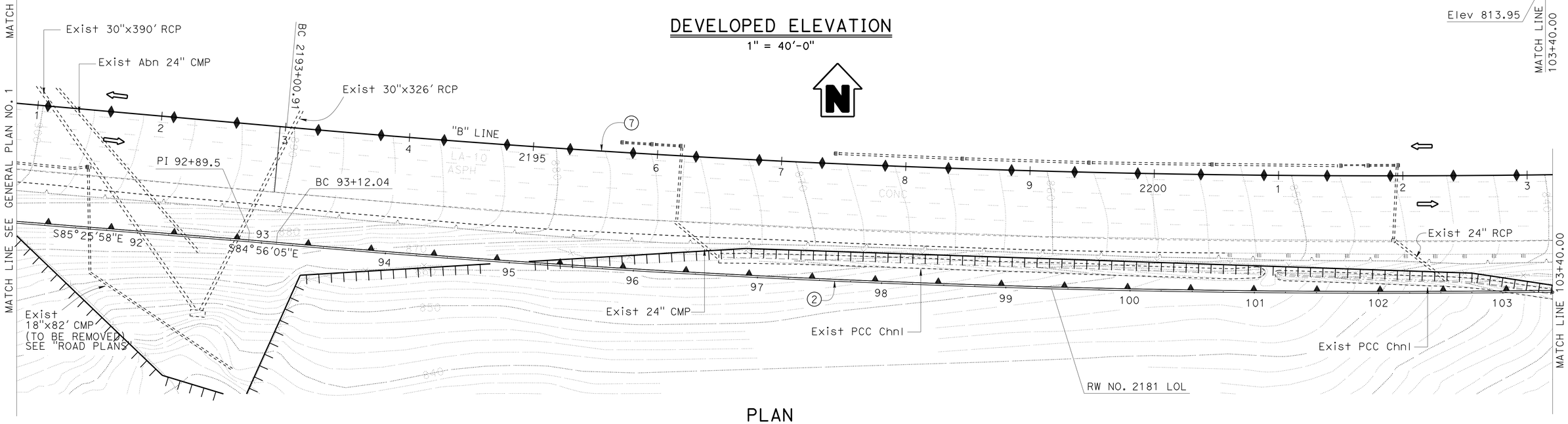
CURVE DATA

(2)	(7)
R = 10109.506′	R = 10015.0′
Δ = 08°10′24.89"	Δ = 08°10′24.91"
L = 1442.181′	L = 1428.70′
T = 722.316′	T = 715.564′



DEVELOPED ELEVATION

1" = 40′-0"



PLAN

1" = 40′

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

HOWARD NG DESIGN ENGINEER	DESIGN	BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY": PERMIT DESIGN VEHICLE	
	DETAILS	BY K. FARAHZADI/A. ONG	CHECKED DAWIT WORKU	LAYOUT	BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU
	QUANTITIES	BY MOHAMMAD MUQTADIR	CHECKED EDDY SCOTT	SPECIFICATIONS	BY XIAODONG CHEN	PLANS AND SPECS COMPARED XIAODONG CHEN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 20

BRIDGE NO. 53-E0144
POST MILE 41.80

RETAINING WALL NO. 2181
GENERAL PLAN 2 OF 3

UNIT: 3622
PROJECT NUMBER & PHASE: 0713000007-4
CONTRACT NO.: 1193U1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 06/03/14 05/19/14 05/20/14

SHEET 2 OF 53

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53-E0144-a-gp02.add.dgn

USERNAME => s127951

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2244	2313

REGISTERED CIVIL ENGINEER 10/01/14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Dawit T Worku No. C60711 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

3

NOTES:

Ⓐ Paint "Br No. 53-E0144"

Ⓑ Concrete Barrier Type 736A (Mod 4)

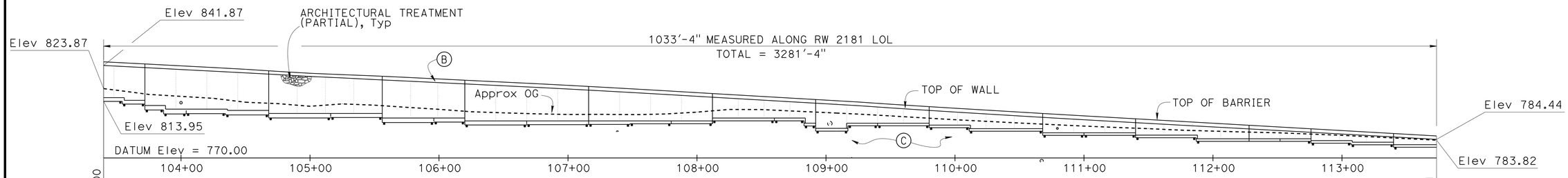
Ⓒ For exact location of steps, see "LAYOUT" sheets

LEGEND:

⇨ Indicates direction of traffic

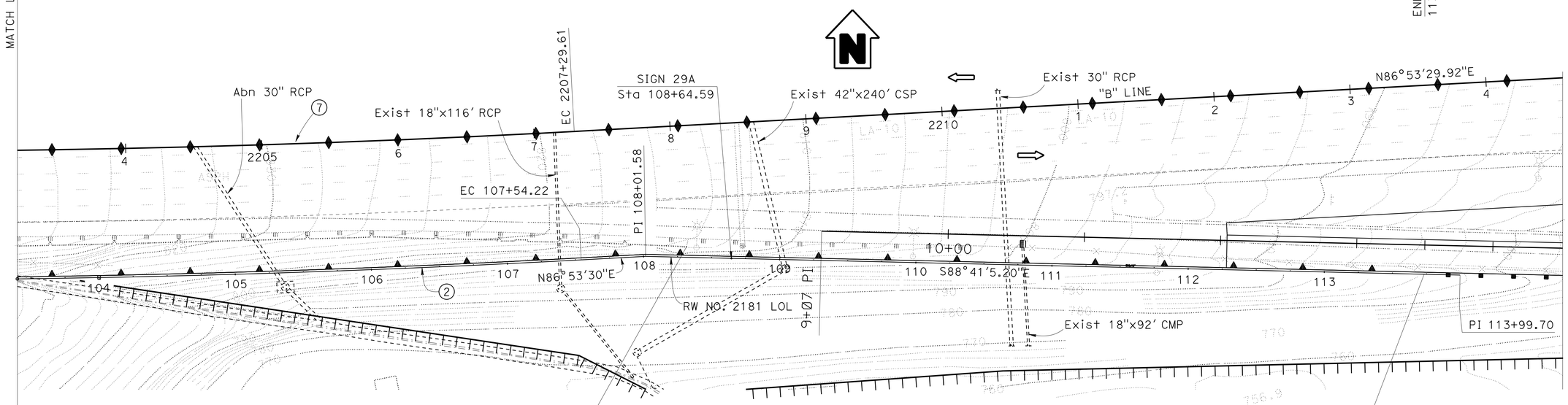
CURVE DATA

②	⑦
R = 10109.506′	R = 10015.0′
Δ = 08°10′24.89"	Δ = 08°10′24.91"
L = 1442.181′	L = 1428.70′
T = 722.316′	T = 715.564′



DEVELOPED ELEVATION

1" = 40′-0"



PLAN

1" = 40′

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

HOWARD NG DESIGN ENGINEER	DESIGN	BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE
	DETAILS	BY K. FARAHZADI/A. ONG	CHECKED DAWIT WORKU	LAYOUT BY MOHAMMAD MUQTADIR	CHECKED DAWIT WORKU
	QUANTITIES	BY MOHAMMAD MUQTADIR	CHECKED EDDY SCOTT	SPECIFICATIONS BY XIAODONG CHEN	PLANS AND SPECS COMPARED XIAODONG CHEN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 20

UNIT: 3622
PROJECT NUMBER & PHASE: 0713000007-1
CONTRACT NO.: 1193U1

BRIDGE NO. 53-E0144
POST MILE 41.80

RETAINING WALL NO. 2181
GENERAL PLAN 3 OF 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES 05/20/14 06/03/14 03/05/15

SHEET 3 OF 53

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53-E0144-a-gp03.add.dgn

USERNAME => s116260 DATE PLOTTED => 08-OCT-2015 TIME PLOTTED => 13:52

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2026	2313

REGISTERED CIVIL ENGINEER — DATE 10/01/14

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — RICHARD E. SCHENDEL — No. C64259 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

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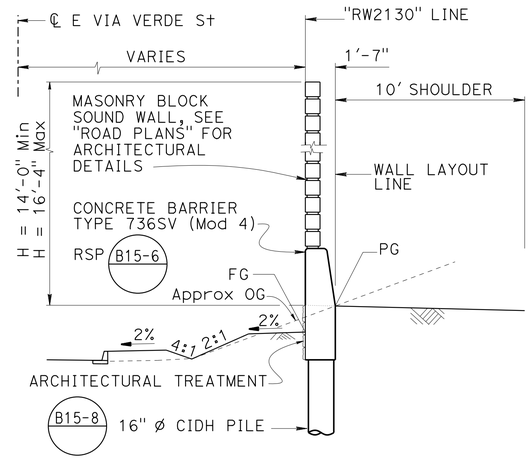
INDEX TO PLANS

SHEET NO.	TITLE
1.	GENERAL PLAN
2.	FOUNDATION PLAN
3.	STRUCTURE PLAN NO. 1
4.	STRUCTURE PLAN NO. 2
5.	STRUCTURE PLAN NO. 3
6.	RETAINING WALL TYPE 1SWB - DETAILS NO. 1
7.	RETAINING WALL TYPE 1SWB - DETAILS NO. 2
8.	MASONRY BLOCK SOUND WALL WITH BARRIER ON RETAINING WALL - DETAILS NO. 1
9.	MASONRY BLOCK SOUND WALL WITH BARRIER ON RETAINING WALL - DETAILS NO. 2
10.	ARCHITECTURAL DETAILS
11.	LOG TEST BORINGS

STANDARD PLANS DATED 2010

SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
BO-3	BRIDGE DETAILS
RSP B3-5	RETAINING WALL DETAILS No. 1
B3-6	RETAINING WALL DETAILS No. 2
RSP B15-6	SOUND WALL MASONRY BLOCK ON TYPE 736S/SV BARRIER DETAILS (1)
RSP B15-7	SOUND WALL MASONRY BLOCK ON TYPE 736S/SV BARRIER DETAILS (2)
B15-8	SOUND WALL MASONRY BLOCK ON TYPE 736S/SV BARRIER DETAILS (3)



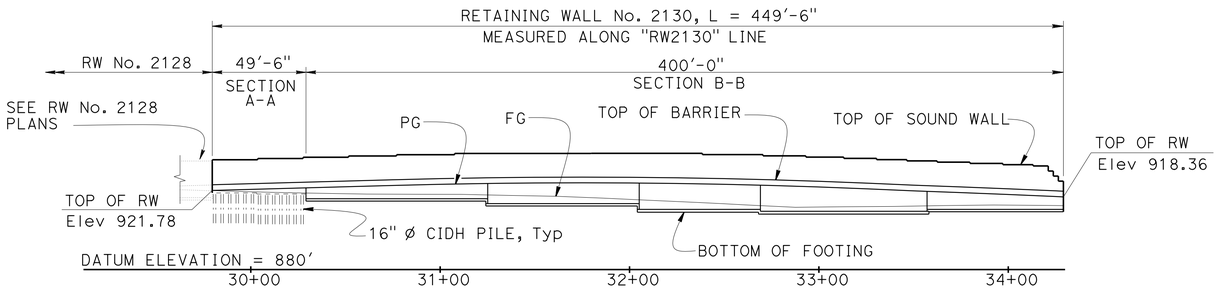
SECTION A-A

¼" = 1'-0"

QUANTITIES

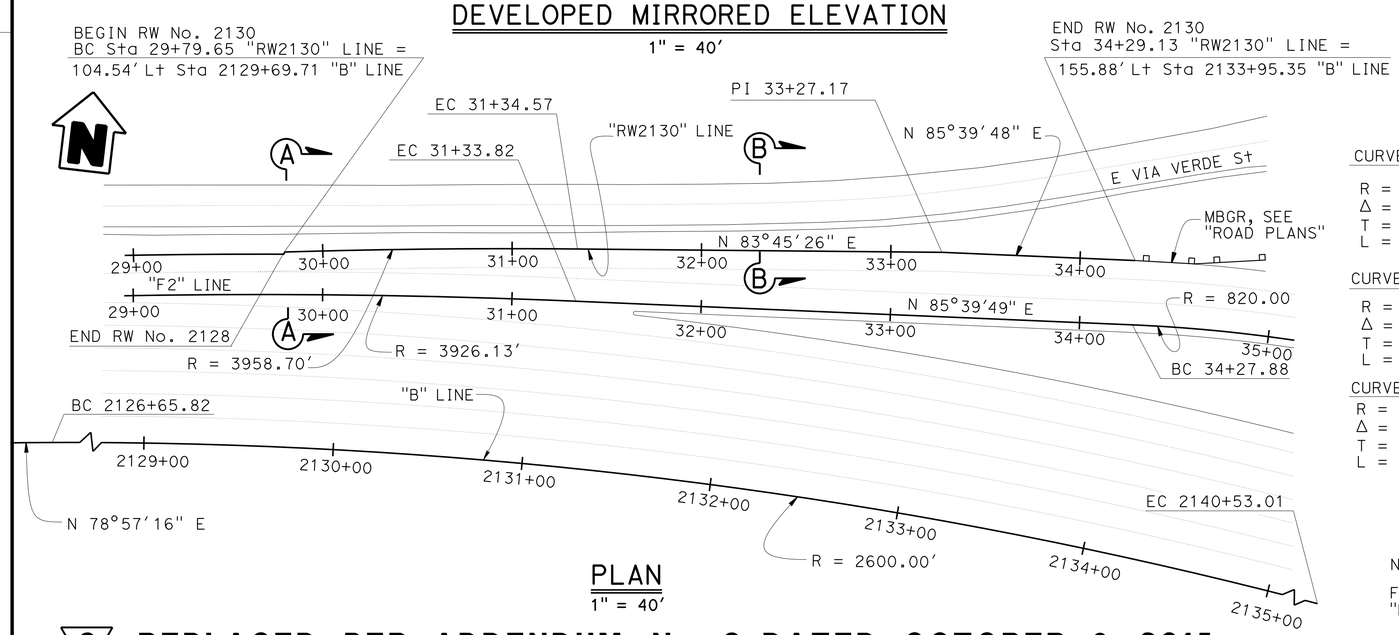
STRUCTURE EXCAVATION (RETAINING WALL)	616 CY
STRUCTURE BACKFILL (RETAINING WALL)	919 CY
PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	65 CY
16" CAST-IN-DRILLED-HOLE CONCRETE PILING	213 LF
STRUCTURAL CONCRETE, RETAINING WALL	396 CY
CONCRETE SURFACE TEXTURE	3,342 SQFT
BAR REINFORCING STEEL (RETAINING WALL)	48,843 LB
SOUND WALL (MASONRY BLOCK) 5,775 ~~5,097~~	SQFT
PREPARE AND STAIN CONCRETE	3,342 SQFT
CONCRETE BARRIER (TYPE 736S MODIFIED)	400 LF
CONCRETE BARRIER (TYPE 736SV MODIFIED)	50 LF

3



DEVELOPED MIRRORED ELEVATION

1" = 40'



CURVE DATA "RW2130" LINE

R = 3958.70'
Δ = 2°14'32"
T = 77.47'
L = 154.92'

CURVE DATA "F2" LINE

R = 3926.13'
Δ = 6°49'40"
T = 234.21'
L = 467.86'

R = 820.00'
Δ = 16°54'09"
T = 121.84'
L = 241.90'

CURVE DATA "B" LINE

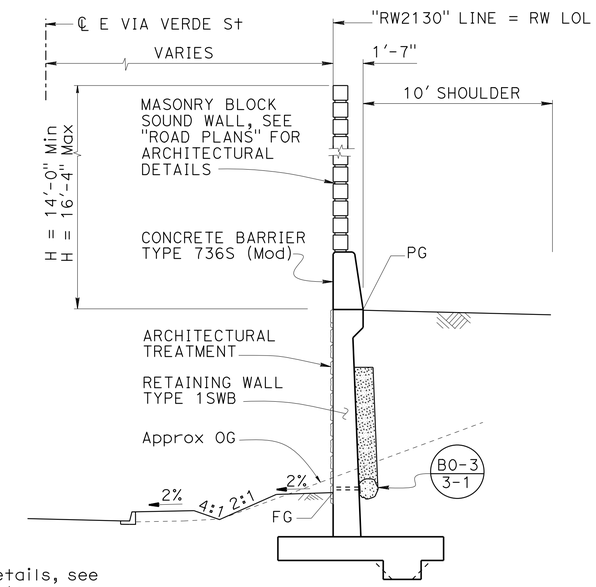
R = 2600.00'
Δ = 30°34'09"
T = 710.53'
L = 1387.18'

PLAN

1" = 40'

NOTE:

For Retaining Wall Type 1SWB details, see "RETAINING WALL TYPE 1SWB" sheets.



SECTION B-B

¼" = 1'-0"

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

MICHAEL POPE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	DAVID P. MURRAY	GERRARD HIGHT
DETAILS	MINH TRAN	GERRARD HIGHT
QUANTITIES	DAVID P. MURRAY	GERRARD HIGHT

LOAD & RESISTANCE FACTOR DESIGN — LIVE LOADING: HL93 W/"LOW-BOY": PERMIT DESIGN VEHICLE

	BY	CHECKED
LAYOUT	MINH TRAN	GERRARD HIGHT
SPECIFICATIONS	XIAODONG CHEN	PLANS AND SPECS COMPARED: XIAODONG CHEN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 18

BRIDGE NO. 53E0307
POST MILE 40.34

RETAINING WALL NO. 2130
GENERAL PLAN

UNIT: 3603
PROJECT NUMBER & PHASE: 0713000007 1
CONTRACT NO.: 07-1193U1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 7-16-13 01/31/14 03/03/14 09/10/14

SHEET 1 OF 11

USERNAME => s116260 DATE PLOTTED => 08-OCT-2015 TIME PLOTTED => 13:52

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53e0307-a-gp.add.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2158	2313

REGISTERED CIVIL ENGINEER 10-1-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gabriel J. Galo No. 52288 Exp. 12-31-14 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.

NOTES:

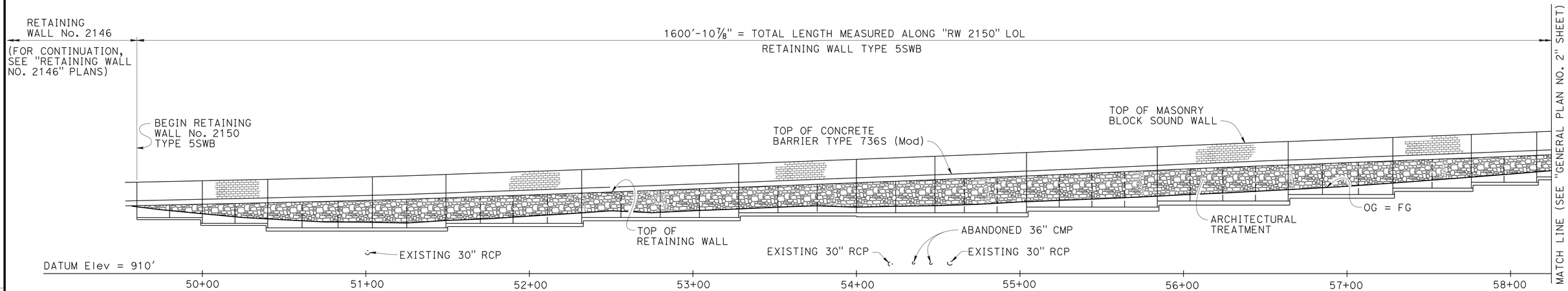
1. For "TYPICAL SECTION" see "GENERAL PLAN NO. 2" sheet.
2. For Geocomposite Drain see "RETAINING WALL DETAILS" sheet.
3. For Retaining Wall Details see "STRUCTURE PLAN NO. 1" thru "STRUCTURE PLAN NO. 7" sheets.
4. For Structure Excavation and Backfill see "INDEX TO PLANS" sheet.
5. For OG, not shown in "DEVELOPED MIRRORED ELEVATION" view for clarity, see "INDEX TO PLANS" and "STRUCTURE PLAN NO. 1" thru "STRUCTURE PLAN NO. 7" sheets.

LEGEND:

▭ Indicates Pullbox, see "ROADWAY PLANS"

QUANTITIES

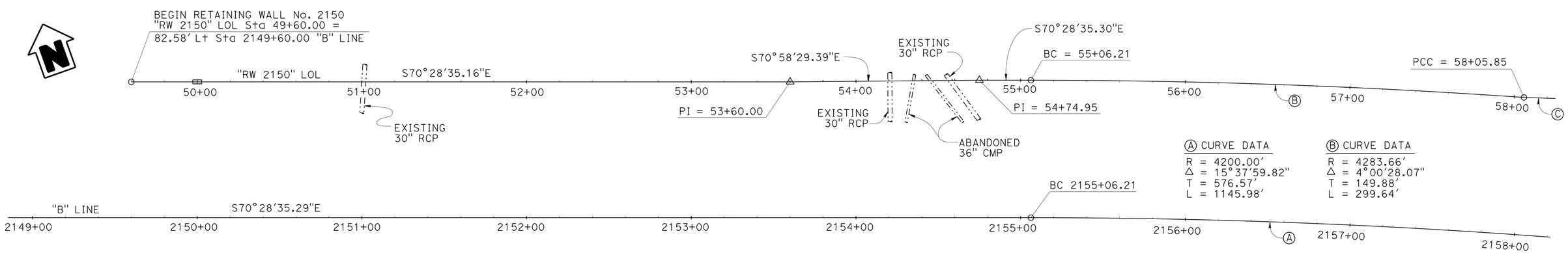
STRUCTURE EXCAVATION (RETAINING WALL)	7,485	CY
STRUCTURE EXCAVATION (TYPE Y-1) (AERIALLY DEPOSITED LEAD)	157	CY
STRUCTURE BACKFILL (RETAINING WALL)	10,192	CY
STRUCTURAL CONCRETE, RETAINING WALL	2,608	CY
CONCRETE SURFACE TEXTURE	17,616	SQFT
BAR REINFORCING STEEL (RETAINING WALL)	426,522	LB
SOUND WALL (MASONRY BLOCK)	18,091′ ~~17,611~~	SQFT 3
PREPARE AND STAIN CONCRETE	17,616	SQFT
CONCRETE BARRIER (TYPE 736S MODIFIED)	1,601	LF



DEVELOPED MIRRORED ELEVATION

1" = 30′-0"

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**



PLAN

1" = 30′-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

Traci Menard
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Sara Yip/Gabriel Galo	Suzan Moradi
DETAILS	Herman Mauroschadt	Suzan Moradi
QUANTITIES	Gabriel Galo	Ruslan Novik

LOAD & RESISTANCE FACTOR DESIGN — LIVE LOADING: HL93 W/"LOW-BOY": PERMIT DESIGN VEHICLE

	BY	CHECKED
LAYOUT	Sara Yip/Gabriel Galo	Suzan Moradi
SPECIFICATIONS	X. Chen	PLANS AND SPECS COMPARED X. Chen

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 15

BRIDGE NO. 53E0314
POST MILE 40.71

RETAINING WALL NO. 2150
GENERAL PLAN NO. 1

UNIT: 3604
PROJECT NUMBER & PHASE: 0713000007
CONTRACT NO.: 07-1193U1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 3-15-13 5-23-14 02-13-15 12-3-15

SHEET 1 OF 23

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53e0314-b-gp01.add.dgn

USERNAME => s116260 DATE PLOTTED => 08-OCT-2015 TIME PLOTTED => 13:52

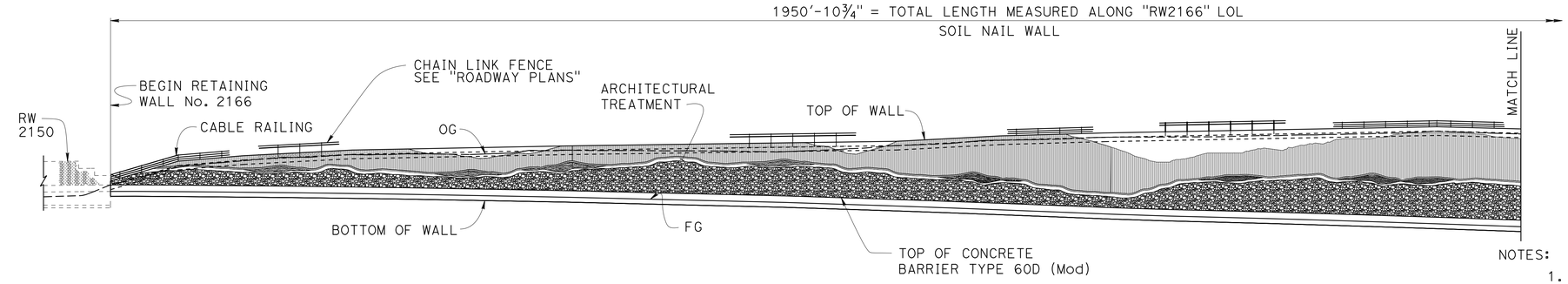
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	2198	2313

REGISTERED CIVIL ENGINEER — DATE 10-1-14

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gabriel J. Galo — No. 52288 — Exp. 12-31-14 — 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.



NOTES:

1. For additional details see "GENERAL PLAN NO. 2" and "GENERAL PLAN NO. 3" sheets.
2. For Concrete Channel see "ROADWAY PLANS".

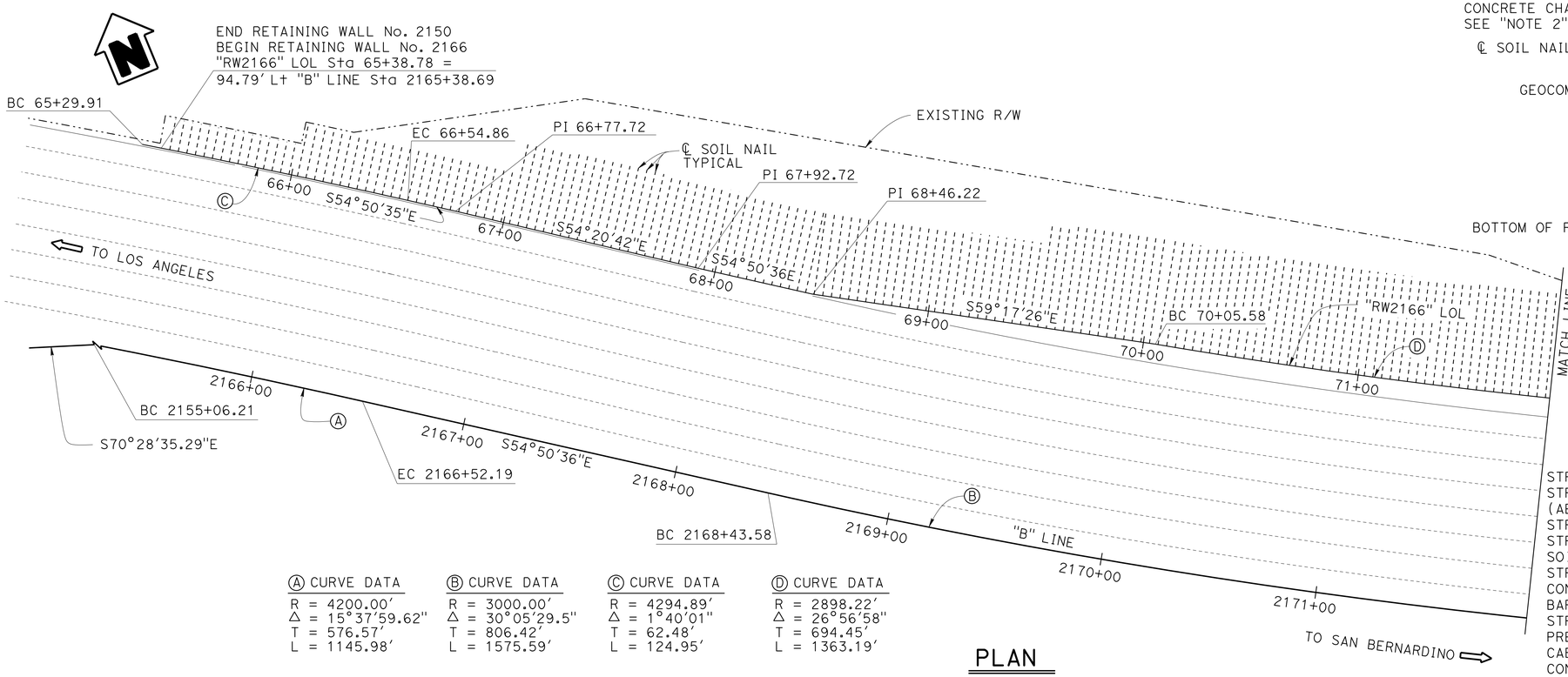
DATUM Elev = 920'

66+00 67+00 68+00 69+00 70+00 71+00 72+00

DEVELOPED ELEVATION

1" = 30'-0"

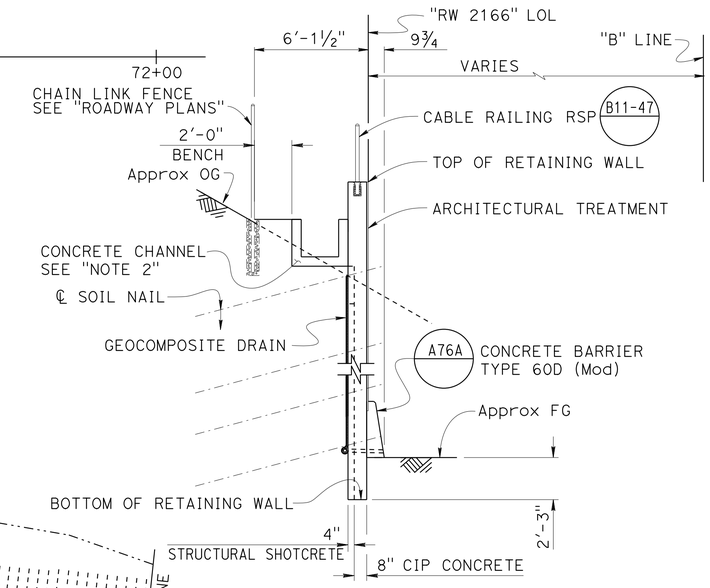
3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015



Ⓐ CURVE DATA	Ⓑ CURVE DATA	Ⓒ CURVE DATA	Ⓓ CURVE DATA
R = 4200.00'	R = 3000.00'	R = 4294.89'	R = 2898.22'
Δ = 15°37'59.62"	Δ = 30°05'29.5"	Δ = 1°40'01"	Δ = 26°56'58"
T = 576.57'	T = 806.42'	T = 62.48'	T = 694.45'
L = 1145.98'	L = 1575.59'	L = 124.95'	L = 1363.19'

PLAN

1" = 30'-0"



TYPICAL SECTION

¼" = 1'-0"

QUANTITIES

STRUCTURE EXCAVATION (SOIL NAIL WALL)		3,475	CY
STRUCTURE EXCAVATION (TYPE Y-1) (AERIALLY DEPOSITED LEAD)		71	CY
STRUCTURE BACKFILL (SLURRY CEMENT)	3	36	CY
STRUCTURE BACKFILL (SOIL NAIL WALL)		163	CY
SOIL NAIL	155,212	~~147,670~~	LF
STRUCTURAL CONCRETE, RETAINING WALL		1,554	CY
CONCRETE SURFACE TEXTURE		49,295	SQFT
BAR REINFORCING STEEL (RETAINING WALL)		283,818	LB
STRUCTURAL SHOTCRETE		615	CY
PREPARE AND STAIN CONCRETE		47,018	SQFT
CABLE RAILING		1,951	LF
CONCRETE BARRIER (TYPE 60D)		1,951	LF

Traci Menard
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Fred Feng	R. Novik\J. Higareda
DETAILS	H. Mauroschadt\S. Cholda	R. Novik\J. Higareda
QUANTITIES	Fred Feng	Ruslan Novik

LOAD & RESISTANCE FACTOR DESIGN — LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE
LAYOUT — BY F. Feng — CHECKED R. Novik
SPECIFICATIONS — BY X. Chen — PLANS AND SPECS COMPARED X. Chen

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 15

BRIDGE NO. 53E0315
POST MILE 41.01

RETAINING WALL NO. 2166
GENERAL PLAN NO. 1

UNIT: 3604
PROJECT NUMBER & PHASE: 0713000007
CONTRACT NO.: 07-1193U1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 01-18-13 02-13-15 06-06-14 9-18-14

SHEET 1 OF 44

USERNAME => s116260 DATE PLOTTED => 08-OCT-2015 TIME PLOTTED => 13:52

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.09-01-10)

FILE => 53e0315-a-gp01.add.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	3	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 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.

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON SUPERELEVATION DIAGRAMS.
3. EXACT LOCATIONS AND TYPES OF CONCRETE BARRIER, CURB, HMA DIKE AND MGS ARE SHOWN ON THE LAYOUT AND CONSTRUCTION DETAILS PLANS.
4. RETAINING WALL/SOUND WALL DOES NOT EXIST FOR ENTIRE LIMIT OF TYPICAL SECTION. SEE LAYOUT AND RETAINING WALL/SOUND WALL PLANS FOR LIMITS.
5. LOCATION OF SLAB REPLACEMENT WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ABBREVIATION:

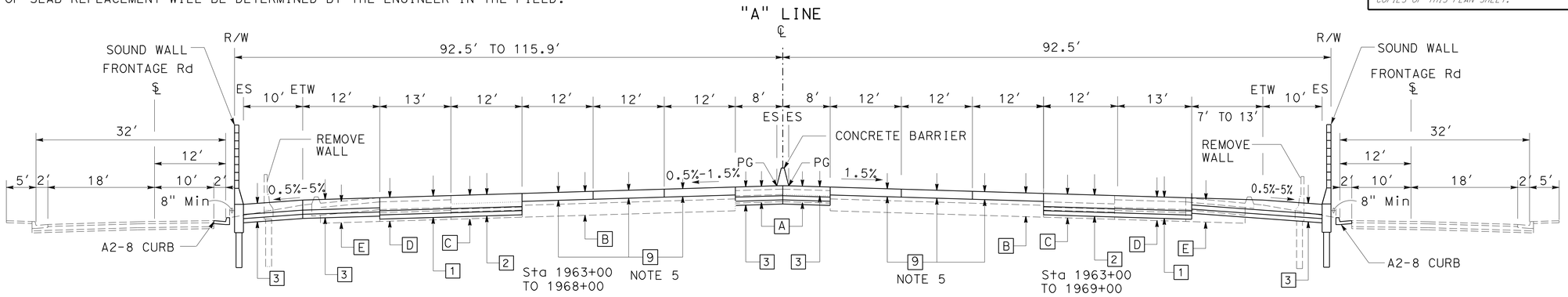
RSC RAPID STRENGTH CONCRETE

DESIGN DESIGNATION (ROUTE 10)

2011 ADT = 237,000 D = 55%
2031 ADT = 370,000 T = 7.5%
DHV = 16,280 V = 70 mph
ESAL = 162,730,000 TI_{20} = 16.5

PAVEMENT CLIMATE REGION

INLAND VALLEY



WESTBOUND ROUTE 10

1963+00.00 TO 1971+66.00 "A" LINE
2018+30.00 TO 2023+50.00 "A" LINE

EASTBOUND ROUTE 10

1963+00.00 TO 2033+30.00 "A" LINE

EXISTING STRUCTURAL SECTIONS

[A] 0.30' ASPHALT CONCRETE (TYPE B)
0.45' CLASS 2 AGGREGATE BASE
0.60' CLASS 4 AGGREGATE SUBBASE

[B] 0.67' CONCRETE PAVEMENT
0.33' CEMENT TREATED BASE
1.00' AGGREGATE SUBBASE

[C] 0.70' CONCRETE PAVEMENT
0.45' CTB (ROAD MIX) CLASS A
0.25' CLASS 3 AGGREGATE BASE
0.60' CLASS 4 AGGREGATE SUBBASE

[D] 0.35' ASPHALT CONCRETE (TYPE B)
0.65' CTB (ROAD MIX) CLASS A
0.25' CLASS 3 AGGREGATE BASE
0.75' AGGREGATE SUBBASE

[E] 0.35' ASPHALT CONCRETE (TYPE B)
0.65' AGGREGATE BASE
Var CLASS 4 AGGREGATE SUBBASE

[F] 0.75' CONCRETE PAVEMENT
0.33' CTB (ROAD MIX) CLASS A
0.33' CLASS 2 AGGREGATE BASE
0.58' CLASS 2 AGGREGATE SUBBASE

[G] 0.33' ASPHALT CONCRETE (TYPE B)
0.50' CLASS 2 AGGREGATE BASE
Var CLASS 2 AGGREGATE SUBBASE

[H] 0.75' CONCRETE PAVEMENT
0.50' CTB (ROAD MIX) CLASS A
0.35' CLASS 3 AGGREGATE BASE
0.40' CLASS 4 AGGREGATE SUBBASE

[I] 0.40' ASPHALT CONCRETE (TYPE B)
0.45' CLASS 2 AGGREGATE BASE
Var CLASS 4 AGGREGATE SUBBASE

[J] 0.35' ASPHALT CONCRETE (TYPE B)
0.65' CTB (ROAD MIX) CLASS A
0.25' CLASS 3 AGGREGATE BASE
0.55' AGGREGATE SUBBASE

[K] 0.25' ASPHALT CONCRETE (TYPE B)
0.45' CLASS 2 AGGREGATE BASE
Var CLASS 4 AGGREGATE SUBBASE

[L] 0.40' ASPHALT CONCRETE (TYPE B)
0.75' CLASS 2 AGGREGATE BASE
0.60 CLASS 4 AGGREGATE SUBBASE

[M] 0.50' ASPHALT CONCRETE (TYPE B)
0.75' CLASS 2 AGGREGATE BASE
0.60 CLASS 4 AGGREGATE SUBBASE

[N] 0.40' ASPHALT CONCRETE (TYPE B)
0.70 AGGREGATE BASE (CLASS 2)
0.50' PERMEABLE MATERIAL (CLASS 2)
1.00' PERMEABLE MATERIAL (CLASS 1, TYPE B)

[O] 0.33' ASPHALT CONCRETE (TYPE B)
0.67' AGGREGATE BASE
0.50 PERMEABLE MATERIAL (CLASS 2)

[P] 0.35' ASPHALT CONCRETE (TYPE B)
0.65' CTB (ROAD MIX) CLASS A
0.35' CLASS 3 AGGREGATE BASE
0.65' AGGREGATE SUBBASE

[Q] 0.60' ASPHALT CONCRETE (TYPE B)
0.35' CTB (ROAD MIX) CLASS A
0.35' CLASS 3 AGGREGATE BASE
0.65' AGGREGATE SUBBASE

[R] 0.20' ASPHALT CONCRETE (TYPE B)
0.67' CONCRETE PAVEMENT
0.33' CEMENT TREATED BASE
1.00' AGGREGATE SUBBASE

[S] 0.20' ASPHALT CONCRETE (TYPE B)
0.70' CONCRETE PAVEMENT
0.45' CTB (ROAD MIX) CLASS A
0.25' CLASS 3 AGGREGATE BASE
0.60' CLASS 4 AGGREGATE SUBBASE

[T] 0.20' ASPHALT CONCRETE (TYPE B)
0.35' ASPHALT CONCRETE (TYPE B)
0.65' CTB (ROAD MIX) CLASS A
0.25' CLASS 3 AGGREGATE BASE
0.75' AGGREGATE SUBBASE

[U] 0.75' CONCRETE PAVEMENT
0.45' CTB (ROAD MIX) CLASS A
0.50' CLASS 3 AGGREGATE BASE

[V] 0.20' ASPHALT CONCRETE (TYPE B)
0.75' CONCRETE PAVEMENT
0.50' CTB (ROAD MIX) CLASS A
0.35' CLASS 3 AGGREGATE BASE
0.40' CLASS 4 AGGREGATE SUBBASE

PROPOSED STRUCTURAL SECTIONS

[1] 1.10' JOINTED PLAIN CONCRETE PAVEMENT
----- BASE BOND BREAKER
0.35' LEAN CONCRETE BASE
0.35' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[2] 1.10' JOINTED PLAIN CONCRETE PAVEMENT (RSC)
----- BASE BOND BREAKER
0.35' LEAN CONCRETE BASE RAPID SETTING
0.35' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[3] 0.85' JOINTED PLAIN CONCRETE PAVEMENT
----- BASE BOND BREAKER
0.35' LEAN CONCRETE BASE
0.35' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[4] 0.85' JOINTED PLAIN CONCRETE PAVEMENT (RSC)
----- BASE BOND BREAKER
0.35' LEAN CONCRETE BASE RAPID SETTING
0.35' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[5] 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.30' HOT MIX ASPHALT (TYPE A)
CRACK AND SEAT

[6] 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.30' HOT MIX ASPHALT (TYPE A)
0.75' LEAN CONCRETE BASE
1.25' CLASS 3 AGGREGATE BASE

[7] 0.65' TO 1.65' JOINTED PLAIN CONCRETE PAVEMENT

[8] 0.15' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.20' TO 0.60' HOT MIX ASPHALT (TYPE A)
0.20' COLD PLANE AC PAVEMENT

[9] 0.67' INDIVIDUAL SLAB REPLACEMENT (RSC)

[10] 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.40' HOT MIX ASPHALT (TYPE A)
0.60' LEAN CONCRETE BASE
0.80' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[11] 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.15' HOT MIX ASPHALT (TYPE A)
----- GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC)
0.25' HOT MIX ASPHALT (TYPE A)
0.60' LEAN CONCRETE BASE
0.80' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[12] 0.85' JOINTED PLAIN CONCRETE PAVEMENT (RSC)
----- BASE BOND BREAKER
0.50' LEAN CONCRETE BASE RAPID SETTING
0.50' CLASS 3 AGGREGATE BASE
----- SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2

[13] 0.90' JOINTED PLAIN CONCRETE PAVEMENT
0.50' LEAN CONCRETE BASE
0.70' CLASS 3 AGGREGATE BASE

[14] 0.40' HOT MIX ASPHALT (TYPE A)
0.40' LEAN CONCRETE BASE
0.65' CLASS 3 AGGREGATE BASE

[15] 0.65' HOT MIX ASPHALT (TYPE A)
0.65' LEAN CONCRETE BASE
0.35' CLASS 3 AGGREGATE BASE

[16] 0.65' HOT MIX ASPHALT (TYPE A)
0.65' LEAN CONCRETE BASE
1.25' CLASS 3 AGGREGATE BASE

[17] 0.50' HOT MIX ASPHALT (TYPE A)
0.50' LEAN CONCRETE BASE
0.35' CLASS 3 AGGREGATE BASE

[18] 1.05' JOINTED PLAIN CONCRETE PAVEMENT
0.35' LEAN CONCRETE BASE
----- BASE BOND BREAKER

[19] 0.15' HOT MIX ASPHALT (TYPE A)
0.15' COLD PLANE AC PAVEMENT

[20] 0.15' TO 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.20' COLD PLANE AC PAVEMENT

[21] 0.20' RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
0.30' HOT MIX ASPHALT (TYPE A)
0.75' LEAN CONCRETE BASE RAPID SETTING
1.25' CLASS 3 AGGREGATE BASE

[22] 0.65' TO 1.65' JOINTED PLAIN CONCRETE PAVEMENT (RSC)

[23] 0.65' HOT MIX ASPHALT (TYPE A)
0.65' LEAN CONCRETE BASE (RAPID SETTING)
1.25' CLASS 3 AGGREGATE BASE

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR KAREN FONG
CALCULATED-DESIGNED BY MOHAMMAD M.FARD
CHECKED BY REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

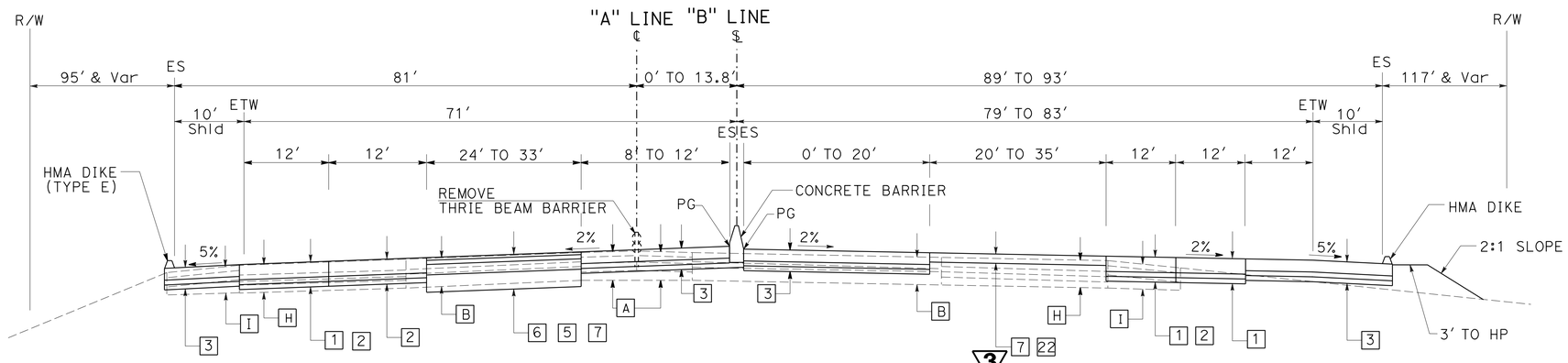
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	9	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
REFUGIO DOMINGUEZ
No. 50820
Exp. 9-30-15
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.



WESTBOUND ROUTE 10

2208+00.00 TO 2234+32.85 "B" LINE
2234+48.55 TO 2239+50.00 "A" LINE

EASTBOUND ROUTE 10

2224+20.41 "B" LINE TO 2239+50.00 "A" LINE

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

TYPICAL CROSS SECTIONS

NO SCALE

X-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG

CALCULATED-DESIGNED BY: MOHAMMAD M.FARD
CHECKED BY: REFUGIO DOMINGUEZ

REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	27	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

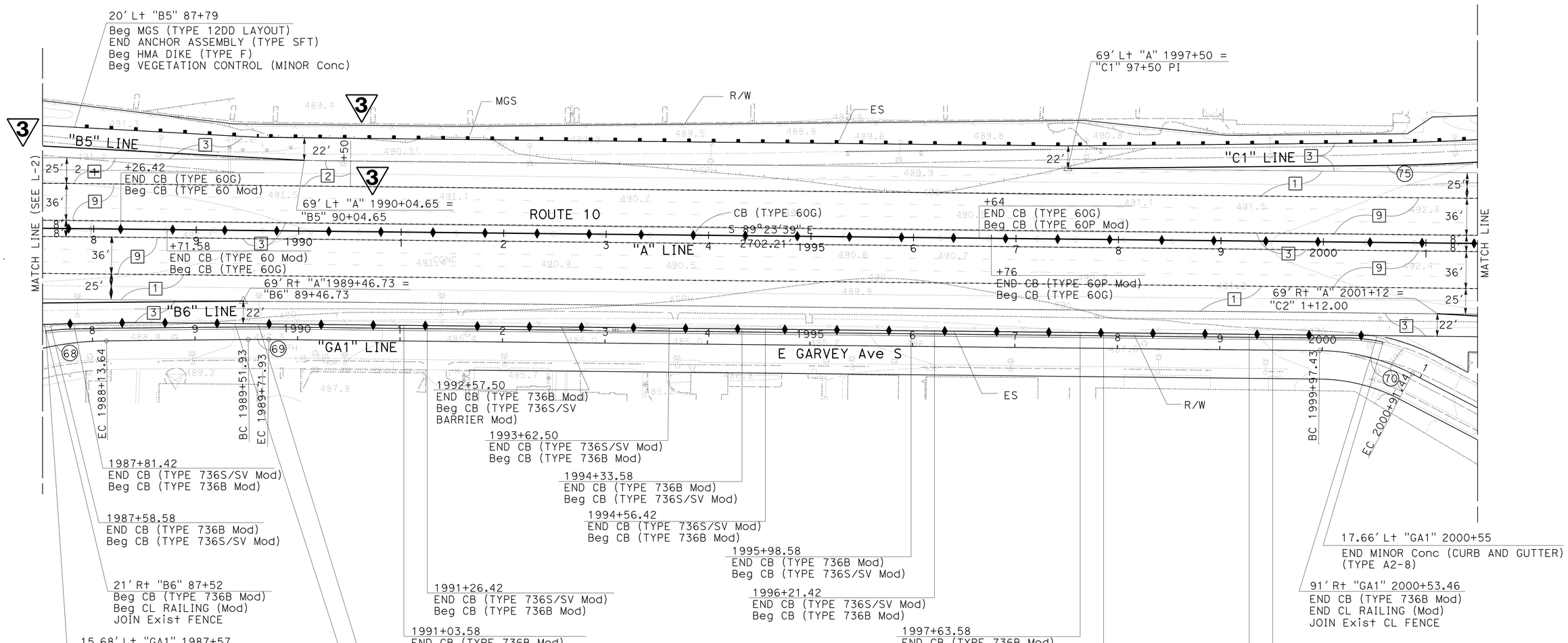
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR ADDITIONAL CURVE DATA, SEE LAYOUT SHEET L-2.

CURVE DATA

No. (#)	R	△	T	L
68	300.00′	38°06′34"	103.62′	199.54′
69	1000.00′	01°08′45"	10.00′	20.00′
70	200.00′	26°56′16"	47.91′	94.04′
75	2000.00′	5°59′00"	104.57′	208.95′



LAYOUT
SCALE: 1" = 50′

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR KAREN FONG
CALCULATED-DESIGNED BY REFUGIO DOMINGUEZ
CHECKED BY NGUYEN HUA
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	28	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

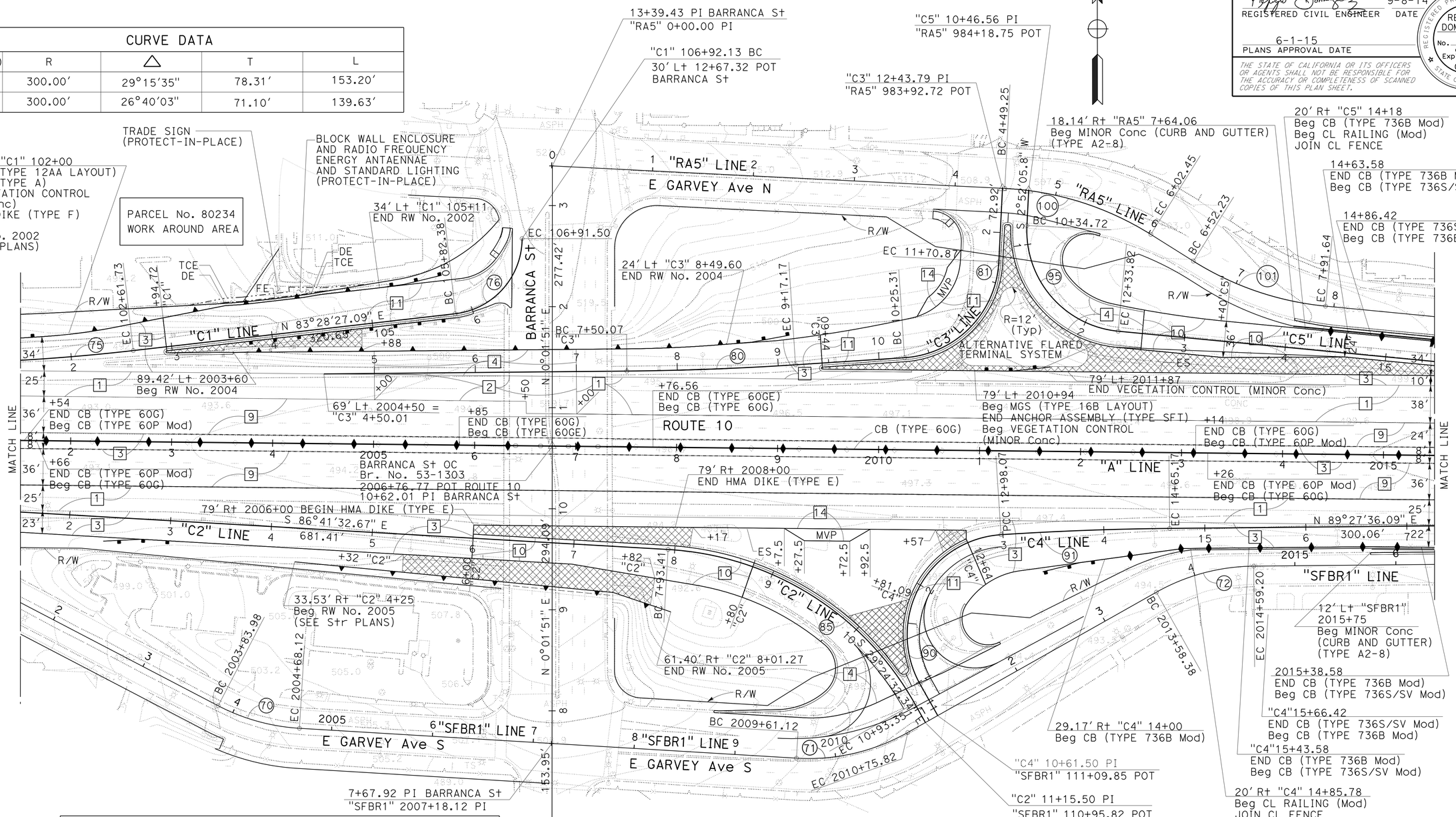
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

3

NOTES:

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

CURVE DATA				
No.(#)	R	△	T	L
100	300.00′	29°15′35"	78.31′	153.20′
101	300.00′	26°40′03"	71.10′	139.63′



CURVE DATA				
No.(#)	R	△	T	L
70	199.93′	24°05′12"	42.65′	84.05′
71	200.00′	32°52′13"	59.00′	114.75′
72	200.00′	28°52′01"	51.47′	100.76′
75	2000.00′	5°59′09"	104.57′	208.95′
76	75.00′	83°21′36"	66.78′	109.12′

CURVE DATA				
No.(#)	R	△	T	L
80	3000.00′	3°11′29"	83.57′	167.10′
81	100.00′	83°24′01"	89.10′	145.56′
85	300.00′	57°17′01"	163.85′	299.93′
90	99.40′	115°41′01"	158.10′	200.70′
91	3000.00′	3°11′29"	83.57′	167.10′
95	100.00′	87°23′37"	95.55′	152.53′

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

LAYOUT

SCALE: 1" = 50′

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY / DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	29	2313

REGISTERED CIVIL ENGINEER — DATE 9-8-14

PLANS APPROVAL DATE 6-1-15

REGISTERED PROFESSIONAL ENGINEER — REFUGIO DOMINGUEZ — No. 50820 — Exp. 9-30-15 — CIVIL — STATE OF CALIFORNIA

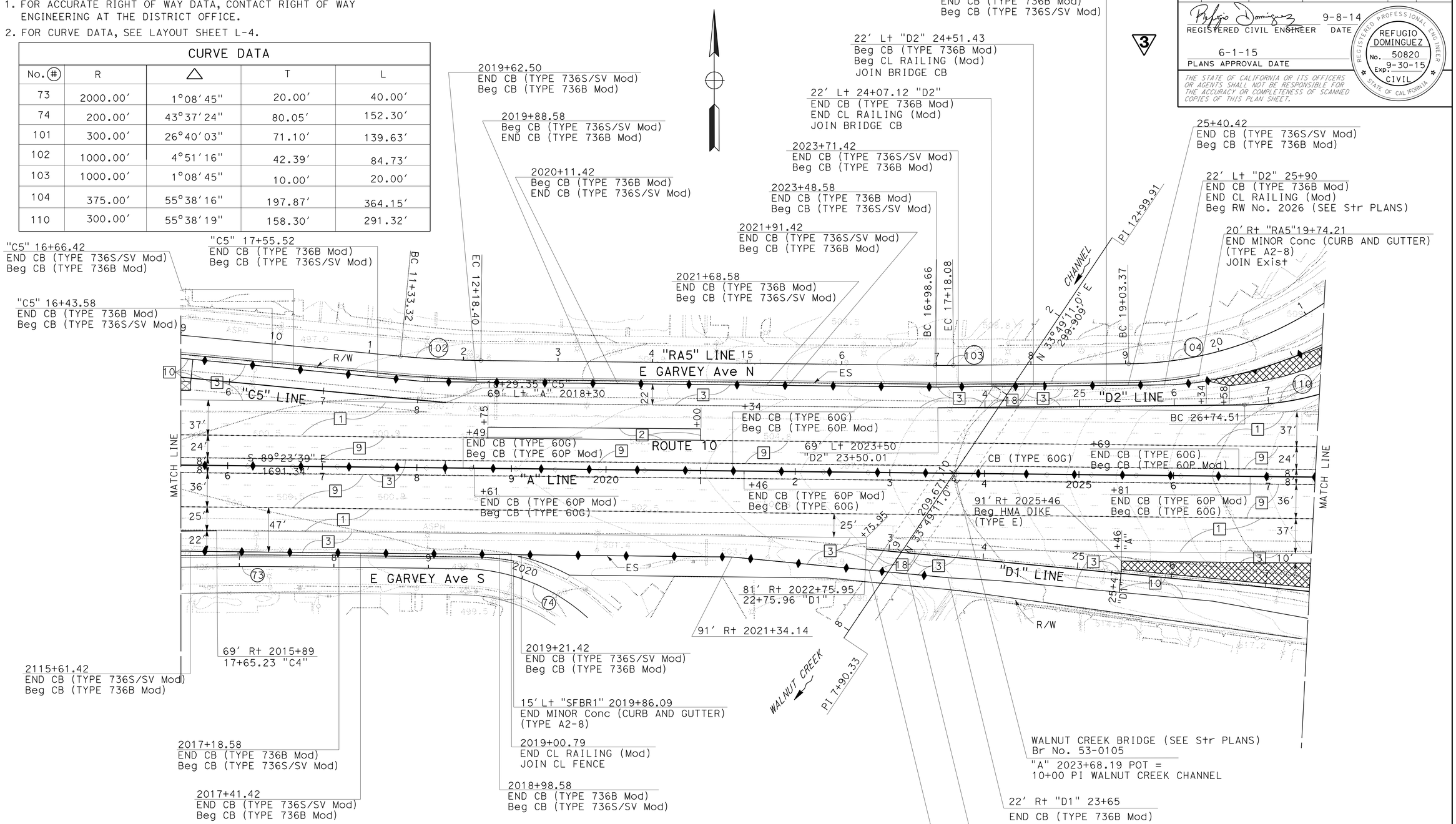
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR CURVE DATA, SEE LAYOUT SHEET L-4.

CURVE DATA

No. (#)	R	△	T	L
73	2000.00′	1°08′45"	20.00′	40.00′
74	200.00′	43°37′24"	80.05′	152.30′
101	300.00′	26°40′03"	71.10′	139.63′
102	1000.00′	4°51′16"	42.39′	84.73′
103	1000.00′	1°08′45"	10.00′	20.00′
104	375.00′	55°38′16"	197.87′	364.15′
110	300.00′	55°38′19"	158.30′	291.32′



3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

LAYOUT

SCALE: 1" = 50′

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG

CALCULATED-DESIGNED BY: NGUYEN HUA — CHECKED BY: REFUGIO DOMINGUEZ

REVISED BY — DATE REVISED

LAST REVISION 01-09-15 — DATE PLOTTED => 08-OCT-2015 — TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	31	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

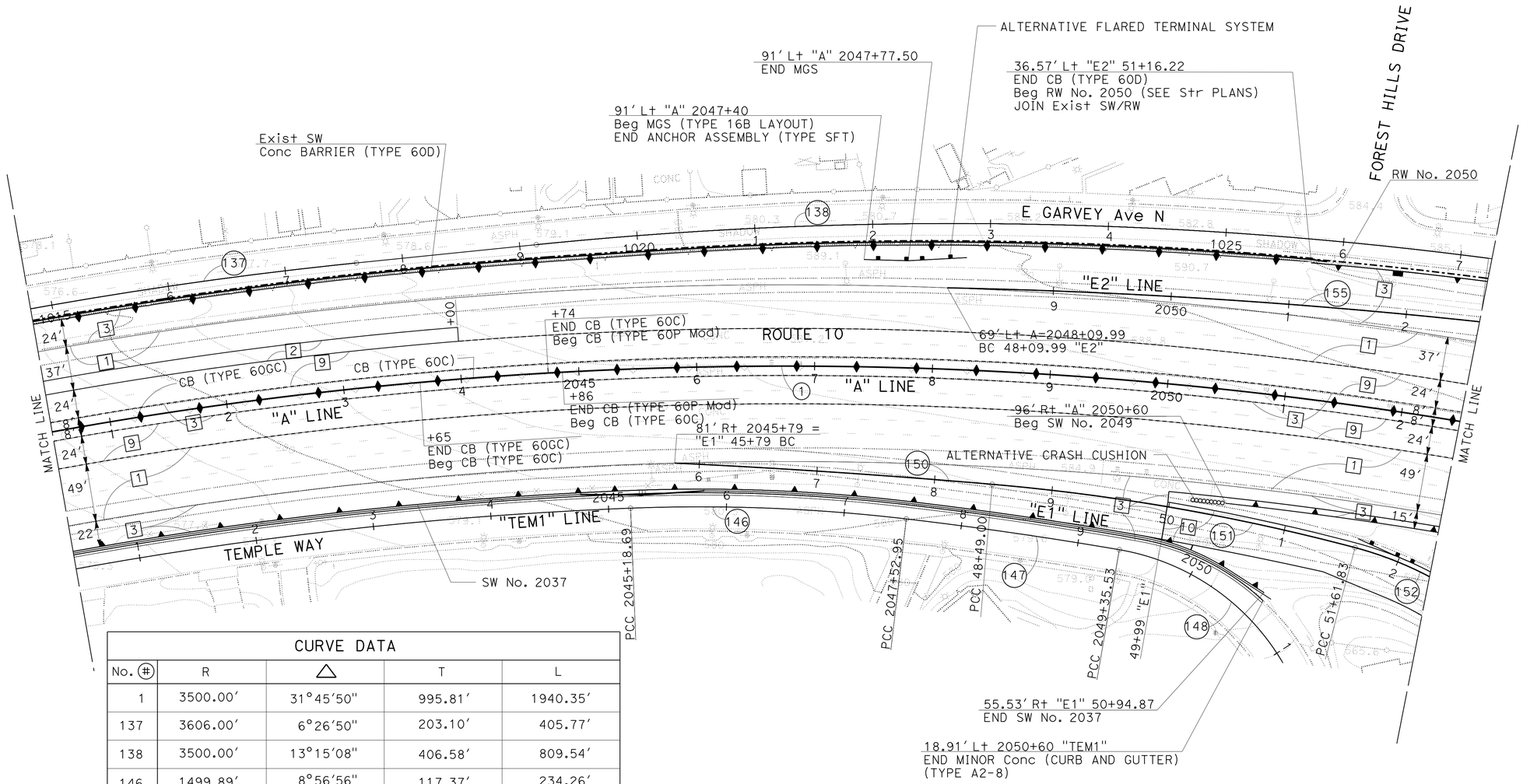
6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR CONCRETE BARRIER TYPE 60P MOD TO CONCRETE BARRIER TYPE 60C TRANSITION, SEE CONSTRUCTION DETAILS SHEETS.



CURVE DATA				
No. (#)	R	△	T	L
1	3500.00'	31°45'50"	995.81'	1940.35'
137	3606.00'	6°26'50"	203.10'	405.77'
138	3500.00'	13°15'08"	406.58'	809.54'
146	1499.89'	8°56'56"	117.37'	234.26'
147	3455.34'	3°01'39"	91.31'	182.58'
148	200.02'	68°10'06"	135.34'	237.97'
150	7000.00'	2°12'36"	135.02'	270.00'
151	1803.59'	9°56'16"	156.81'	312.83'
152	300.00'	47°23'51"	131.68'	248.17'

3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

LAYOUT

SCALE: 1" = 50'

L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15 | DATE PLOTTED => 08-OCT-2015 | TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	40	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

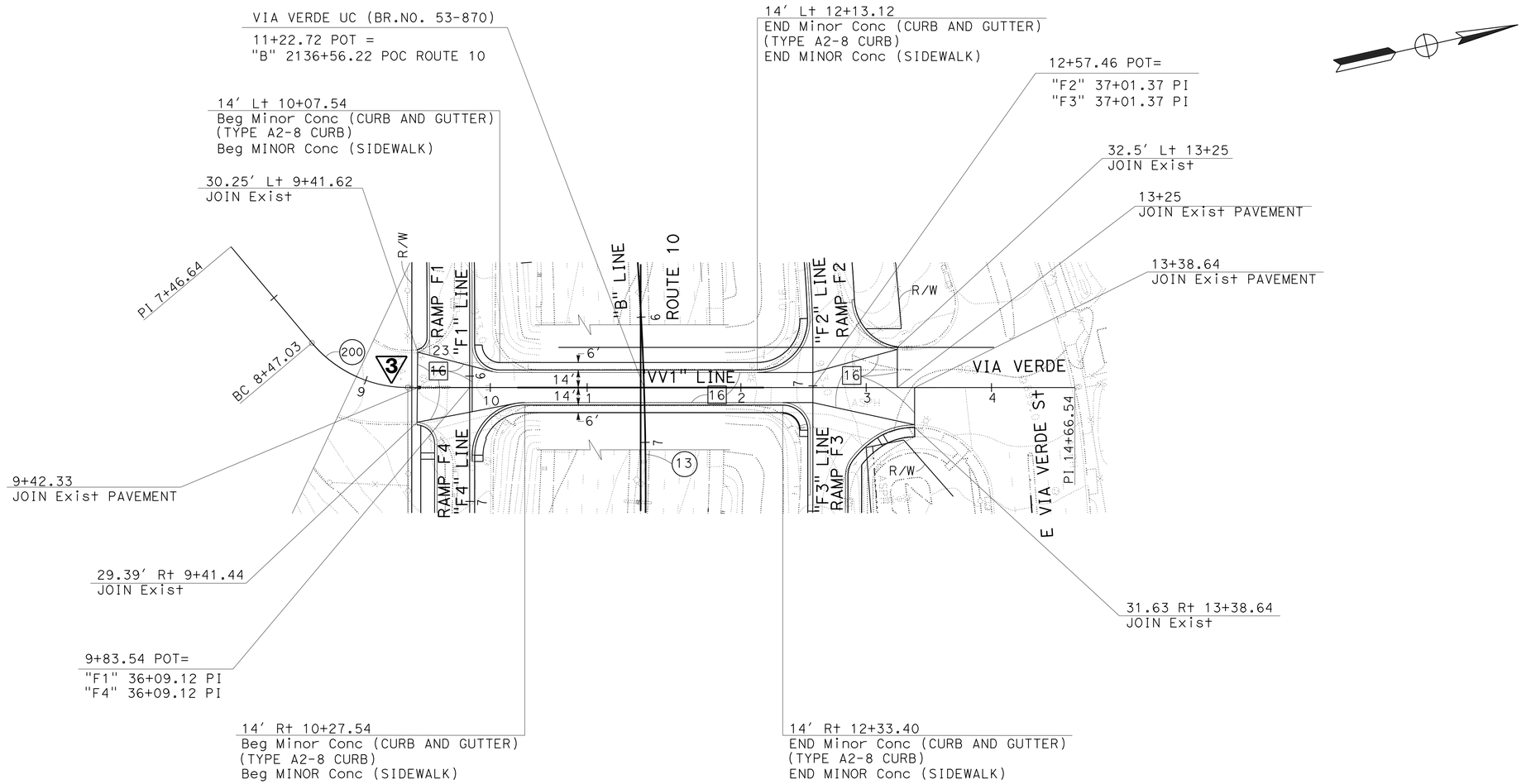
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. STATIONS ARE REFERENCED TO VIA VERDE "VV1" LINE UNLESS OTHERWISE NOTED.

CURVE DATA

No. (#)	R	△	T	L
13	2599.00′	30°34′09"	710.53′	1387.18′
200	100.00′	49°54′56"	46.54′	87.12′



3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

LAYOUT
SCALE: 1" = 50′
L-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15 | DATE PLOTTED => 08-OCT-2015 | TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	44	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 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.

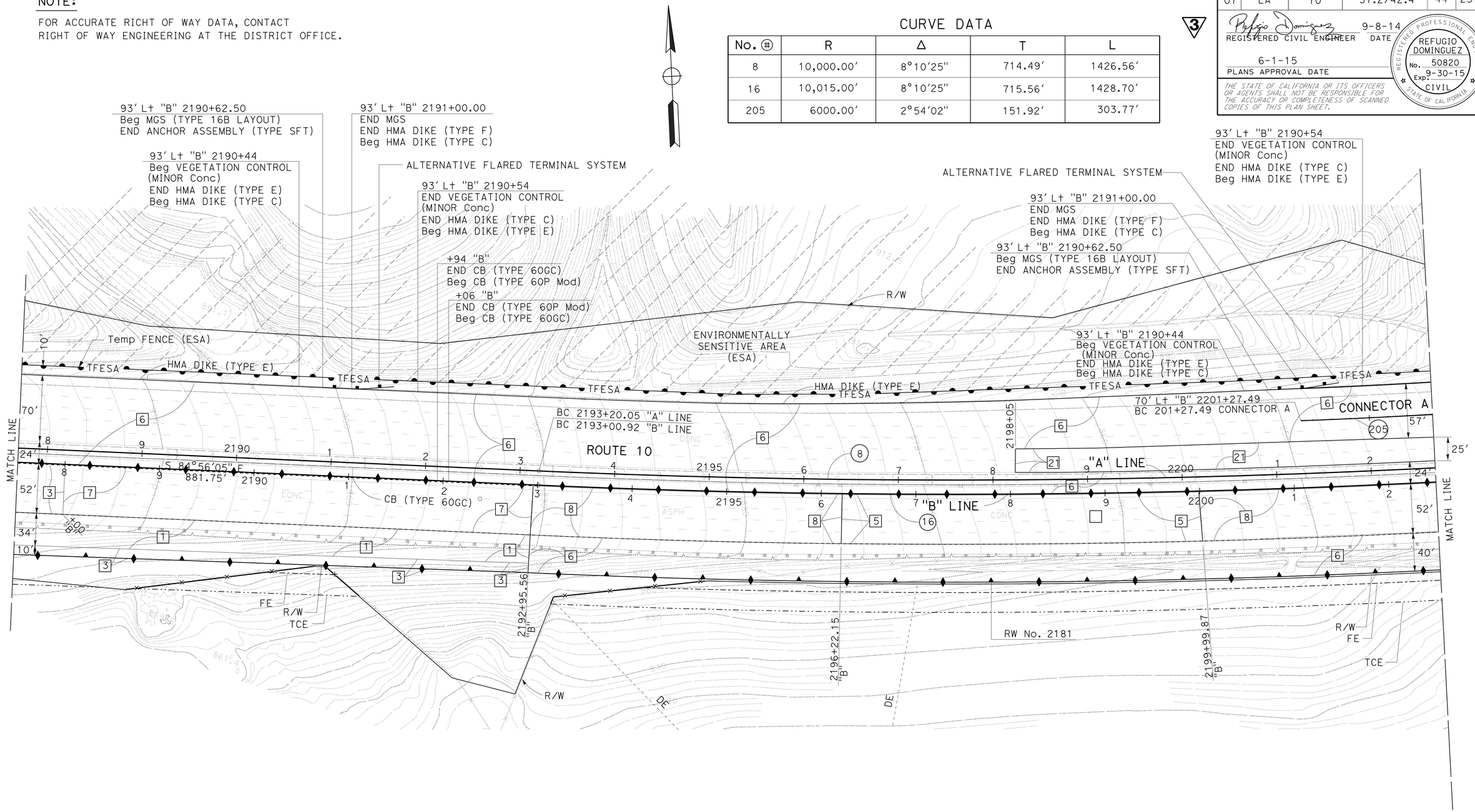
3

NOTE:

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

CURVE DATA

No. ⊕	R	Δ	T	L
8	10,000.00′	8°10′25"	714.49′	1426.56′
16	10,015.00′	8°10′25"	715.56′	1428.70′
205	6000.00′	2°54′02"	151.92′	303.77′



3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

LAYOUT
SCALE: 1" = 50′

L-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	45	2313

REGISTERED CIVIL ENGINEER — DATE 9-8-14

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — REFUGIO DOMINGUEZ — No. 50820 — Exp. 9-30-15 — CIVIL — STATE OF CALIFORNIA

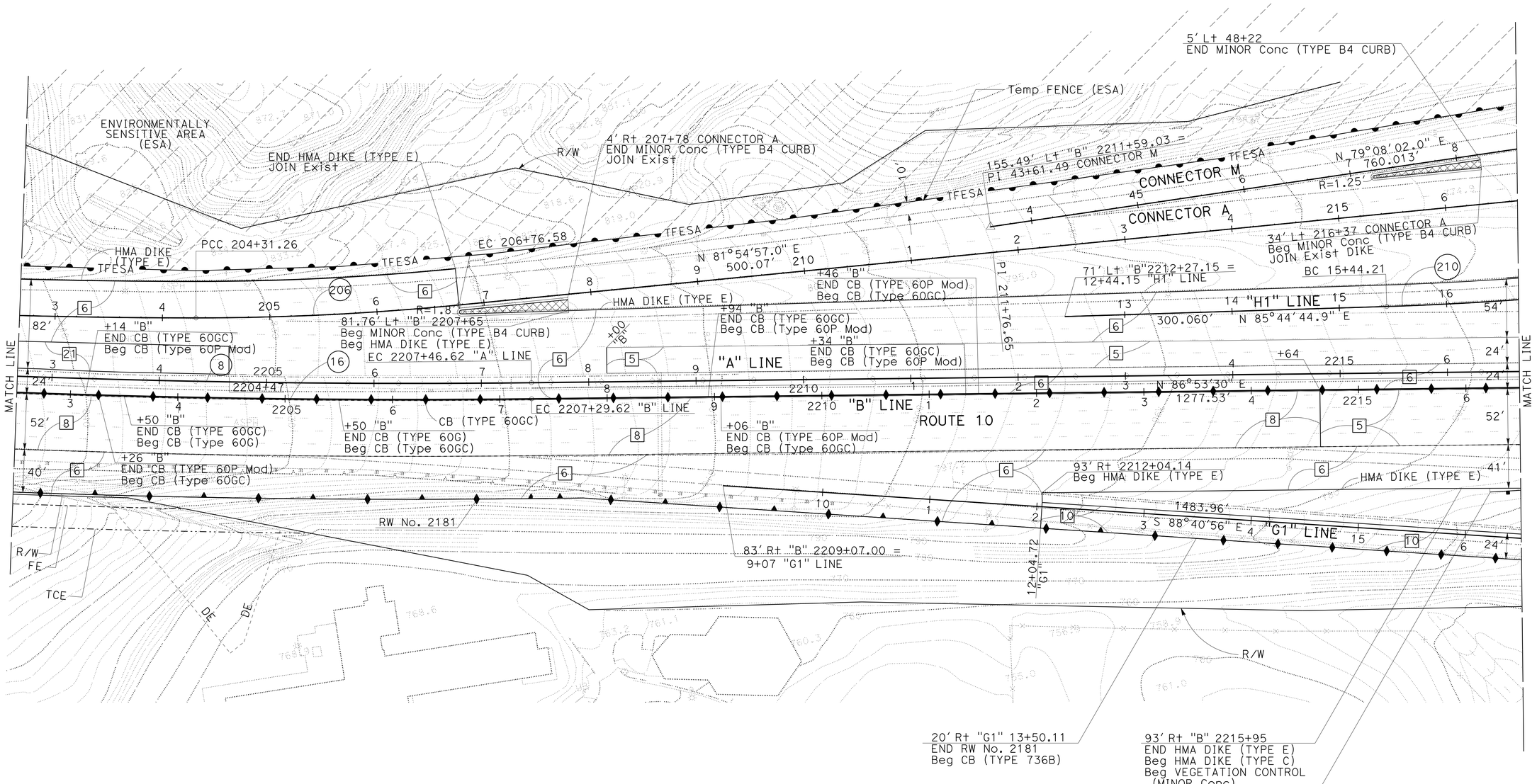
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA

No. ⊕	R	△	T	L
8	10,000.00′	8°10′25"	714.49′	1426.56′
16	10,015.00′	8°10′25"	715.56′	1428.70′
206	2500.00′	5°37′19"	122.76′	245.32′
210	2999.00′	6°09′24"	161.30′	322.28′



3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

LAYOUT
SCALE: 1" = 50′

L-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	48	2313

REGISTERED CIVIL ENGINEER — DATE 9-8-14

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

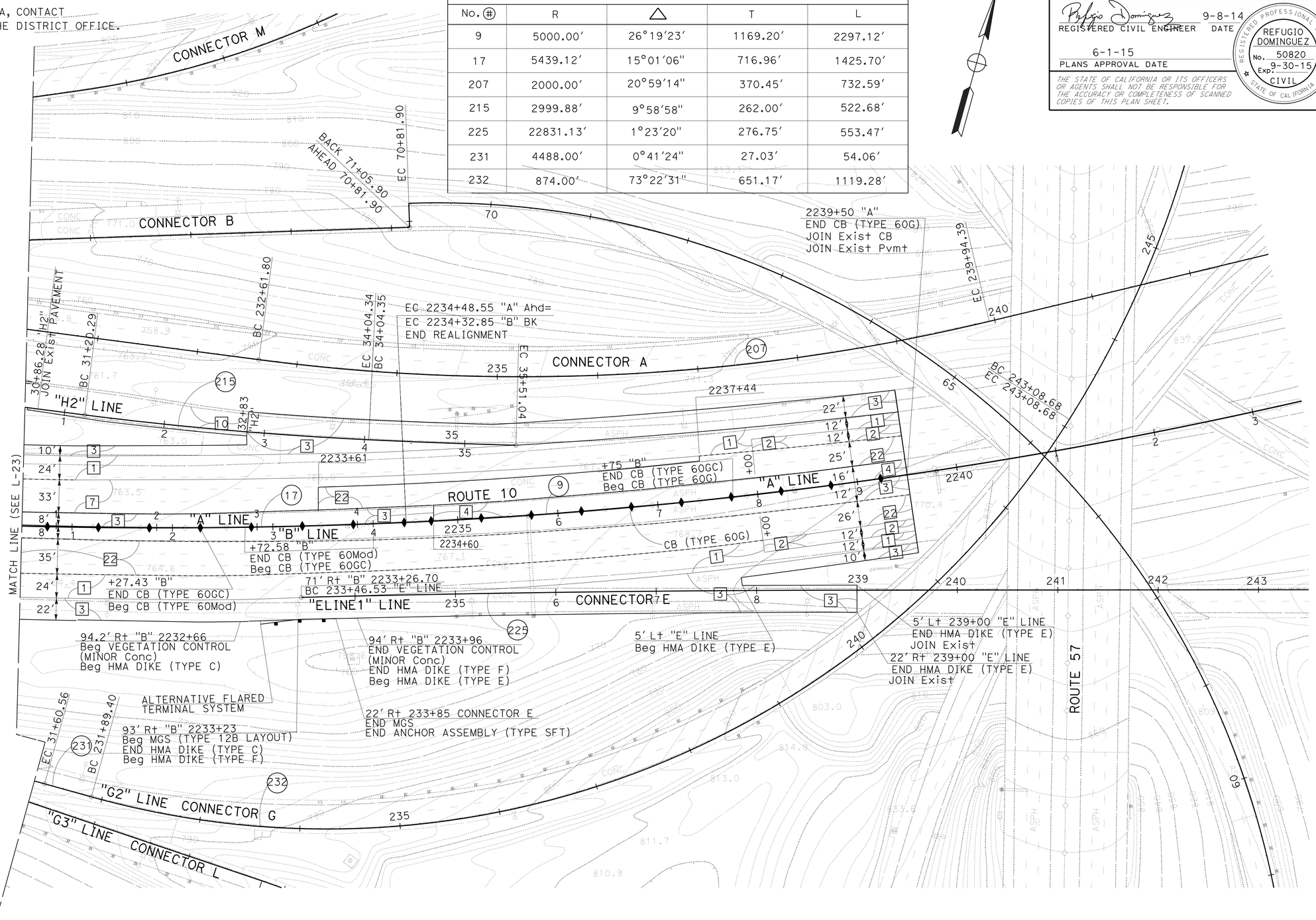
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA

No. ⊕	R	△	T	L
9	5000.00′	26°19′23′	1169.20′	2297.12′
17	5439.12′	15°01′06"	716.96′	1425.70′
207	2000.00′	20°59′14"	370.45′	732.59′
215	2999.88′	9°58′58"	262.00′	522.68′
225	22831.13′	1°23′20"	276.75′	553.47′
231	4488.00′	0°41′24"	27.03′	54.06′
232	874.00′	73°22′31"	651.17′	1119.28′



3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

LAYOUT
SCALE: 1" = 50′
L-25

REVISED BY	DATE REVISED
NGUYEN HUA	REFUGIO DOMINGUEZ

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR: KAREN FONG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 01-09-15 | DATE PLOTTED => 08-OCT-2015 | TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	644	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

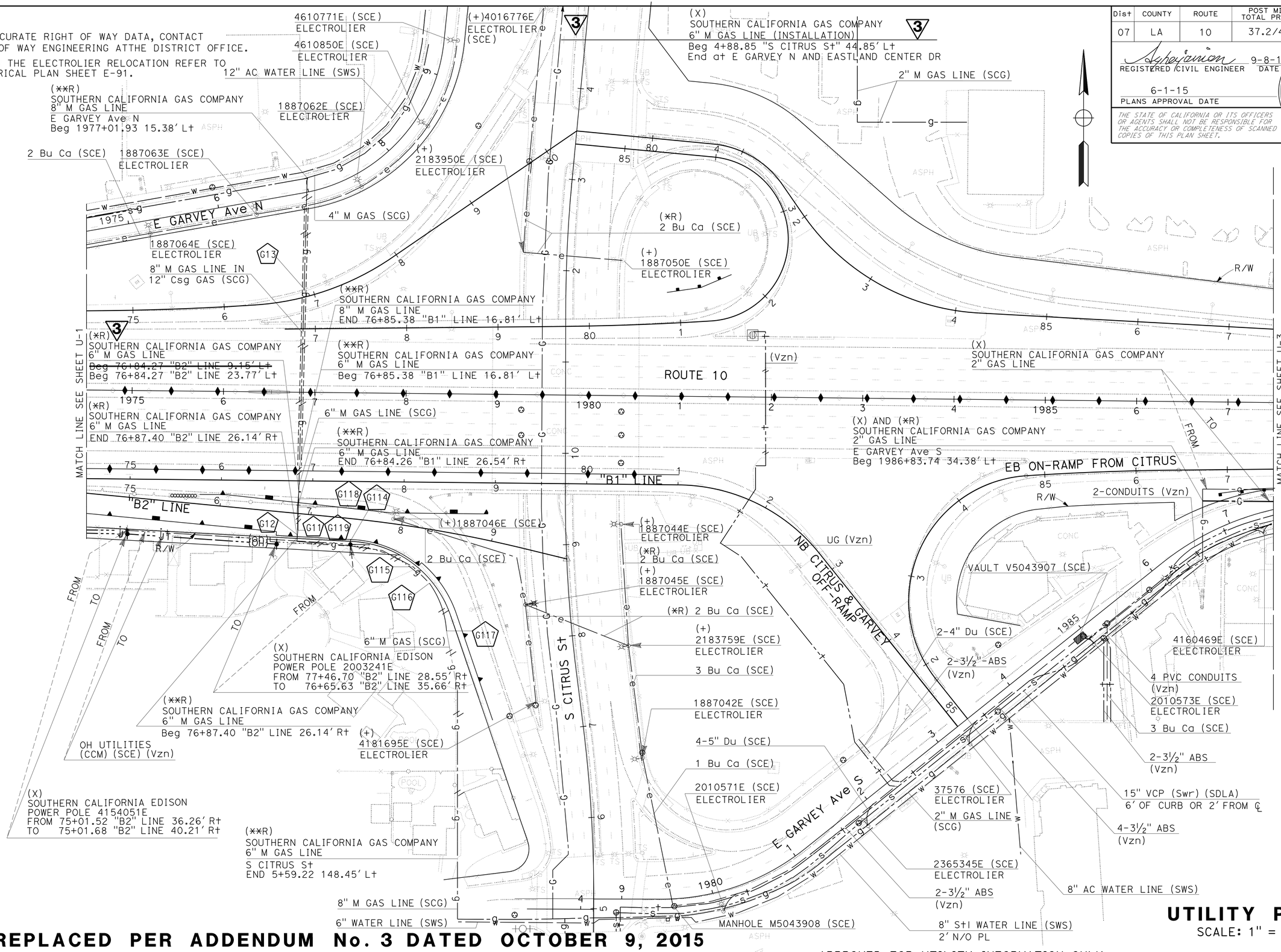
6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HAYKAZ AGHAJANIAN No. C53866 Exp. 12-31-15 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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING ATTHE DISTRICT OFFICE.
2. (+) FOR THE ELECTROLIER RELOCATION REFER TO ELECTRICAL PLAN SHEET E-91.



UTILITY PLAN

SCALE: 1" = 50'

U-2

APPROVED FOR UTILITY INFORMATION ONLY

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN A

FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: HAYKS AGHAJANIAN
CHECKED BY: DAWN DANIELS
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	650	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

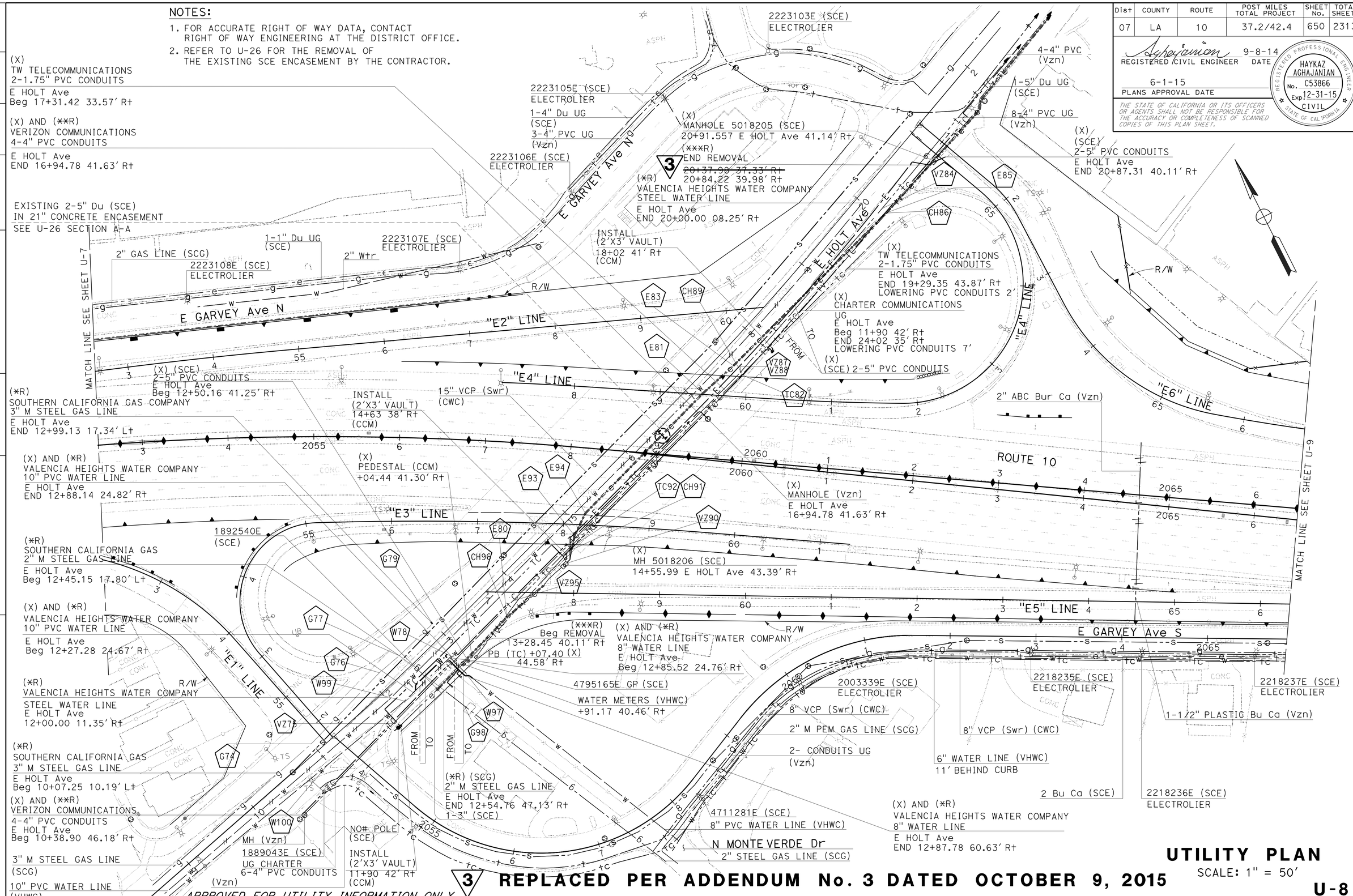
6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HAYKAZ AGHAJANIAN No. C53866 Exp. 12-31-15 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.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO U-26 FOR THE REMOVAL OF THE EXISTING SCE ENCASEMENT BY THE CONTRACTOR.



3 REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN A

FUNCTIONAL SUPERVISOR: CELINA AVILES
CALCULATED-DESIGNED BY: HAYKS AGHAJANIAN
CHECKED BY: DAWN DANIELS
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	698	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

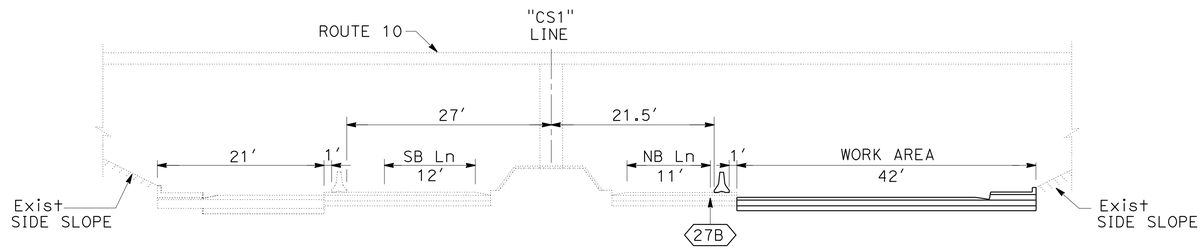
6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

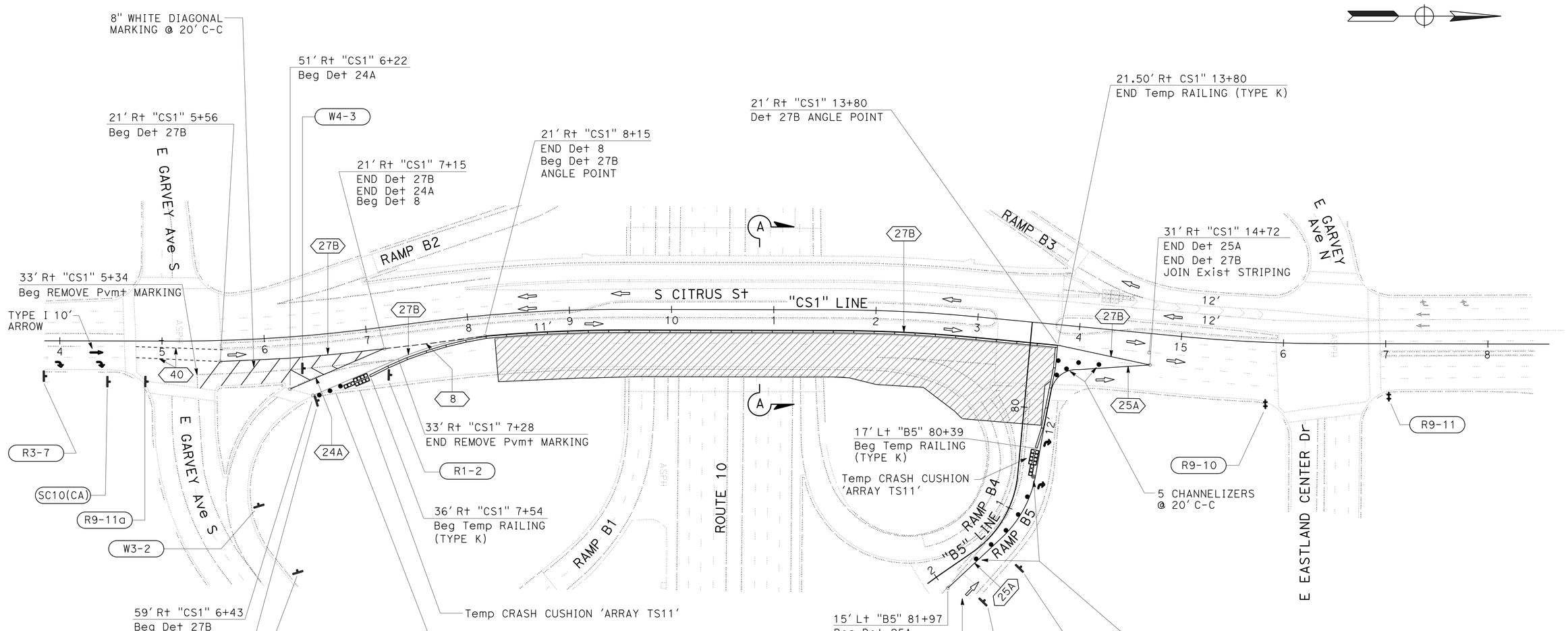
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. SEE STANDARD PLAN T11 FOR ADDITIONAL SIGN REQUIREMENTS FOR LANE CLOSURE.



SECTION A-A
NO SCALE



3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

STAGE 1 PHASE 2 (CITRUS St)

SCALE: 1" = 50'

SC-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: BARKEF KARAPETIAN
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	771	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

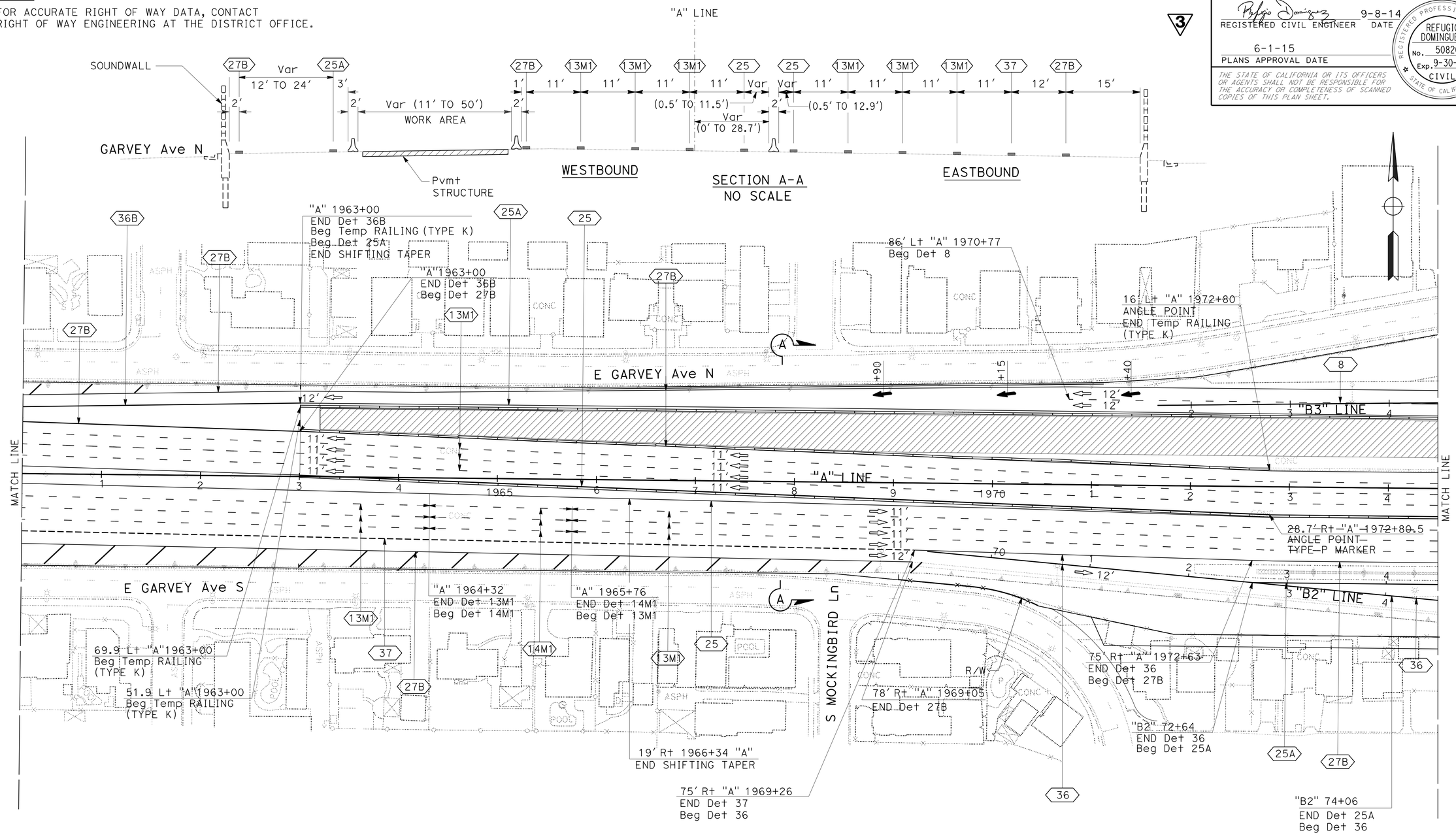
REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

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.

3

NOTE:

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



3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

STAGE 4 (PHASE 1)

SCALE: 1" = 50'

SC-77

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: BARKEF KARAPETIAN
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	794	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

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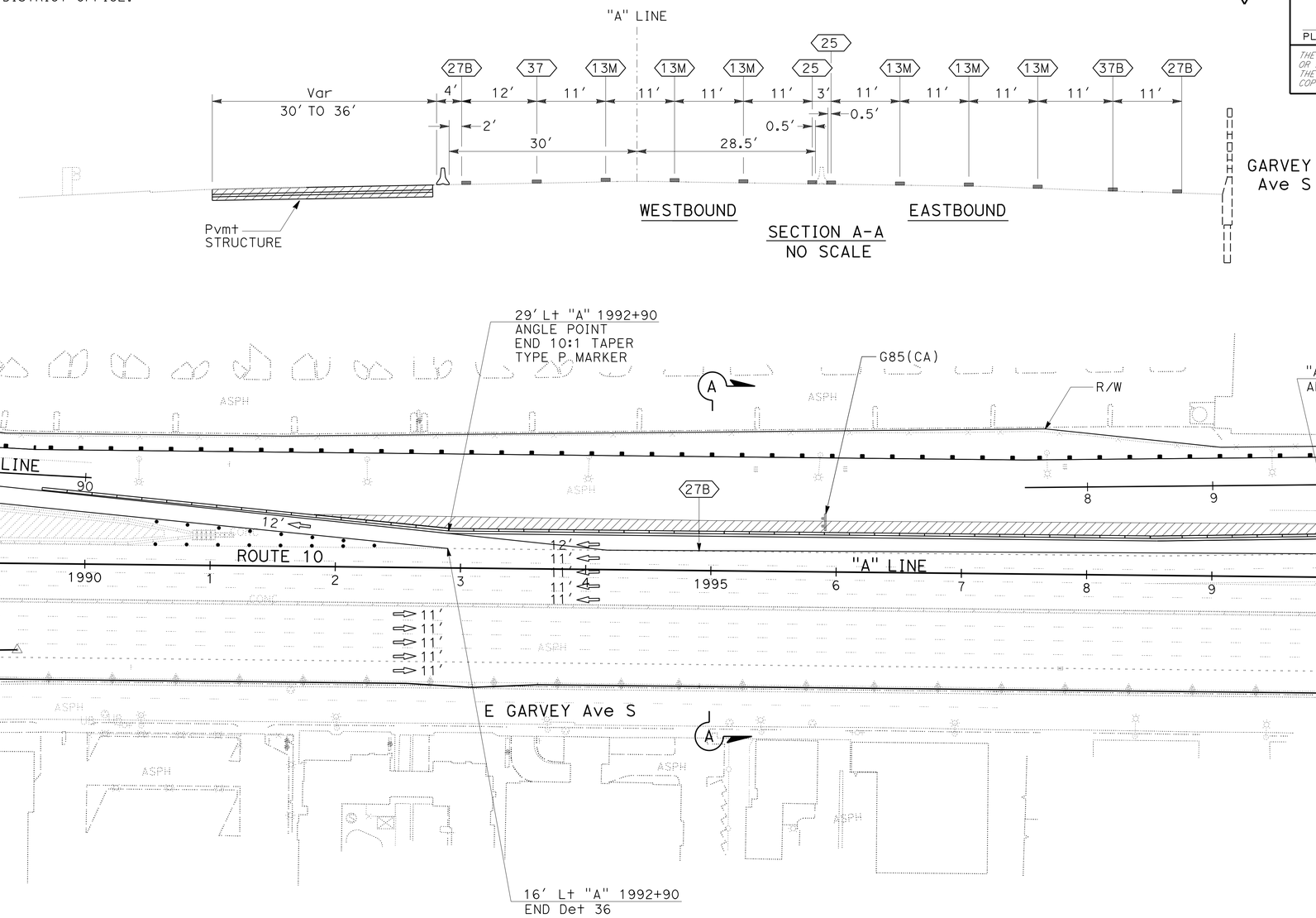
3

NOTE:

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



3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

STAGE 4 (PHASE 2)

SCALE: 1" = 50'

SC-100

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: BARKEF KARAPETIAN
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 01-09-15
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	1114	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

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3

ROADWAY QUANTITIES

SHEET No.	LINE DESIGNATION	STATION	DIRECTION	JOINTED PLAIN CONCRETE PAVEMENT (CY)	JOINTED PLAIN CONCRETE PAVEMENT (RSC) (CY)	LEAN CONCRETE BASE RAPID SETTING (CY)	BASE BOND BREAKER (SQYD)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED) (TON)	HOT MIX ASPHALT (TYPE A) (TON)	LEAN CONCRETE BASE (CY)	CLASS 3 AGGREGATE BASE (CY)	SUBGRADE ENHANCEMENT GEOTEXTITLE, CLASS B2 (SQYD)	GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC) (SQYD)	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	TACK COAT (TON)	DRILL AND BOND (DOWEL BAR) (EA)	ISOLATION JOINT SEAL (PREFORMED COMPRESSION) (LF)	JOINT SEAL (PREFORMED COMPRESSION) (LF)	INDIVIDUAL SLAB REPLACEMENT (RSC) (CY)	CRACK AND SEAT (SQYD)	REMOVE CONCRETE PAVEMENT (CY)	ROADWAY EXCAVATION (CY)
L-1	"A"	1963+00 TO 1974+50	WB	2,283	244	78	7,972			852	930	7,972				1,205	2,645	7,539	308		1,060	2,904
L-1	"B3"	71+66 TO 74+50	WB	205			722			84	84	722				339	653	1,862				
L-1	"A"	1963+00 TO 1974+50	EB	2,006	293	93	7,161			742	835	7,161				1,205	2,645	7,539	309		1,066	2,904
L-1	"B1"	72+65 TO 74+53	EB					33	67	51	68	256			0.09							64
L-1	"B2"	69+35 TO 74+53	EB	189			667	84	168	207	250	1,311			0.21							1,106
L-2	"A"	1974+50 TO 1987+50	WB	1,812			5,511			643	643	5,511				1,433	2,990	8,522	290		993	2,933
L-2	"B3"	74+50 TO 80+11	WB	208			733	154	415	376	489	1,911	1,178		0.50							3,630
L-2	"B4"	76+67 TO 84+90	WB	233			822	162	350	358	448	2,067	1,244		0.44							3,708
L-2	"B5"	79+72 TO 87+50	WB	167	290	119	1,611	154	307	304	502	2,789			0.39							2,208
L-2	"A"	1974+50 TO 1987+50	EB	1,803			5,478		23	651	658	5,478			0.02	1,393	2,990	8,522	290		993	2,933
L-2	"B1"	74+53 TO 84+83	EB		268	110	944	265	531	407	652	2,978			0.68							2,818
L-2	"B2"	74+53 TO 79+37	EB		139	57	489	109	218	167	279	1,322			0.28							3,856
L-2	"B6"	81+63 TO 87+50	EB	233			822	123	247	285	348	1,767	944		0.31							1,702
L-3	"CS1"	5+00 TO 13+76	SB						635	580	312			556	0.99							3,645
L-3	"CS1"	5+00 TO 13+76	NB						733	657	354			778	1.14							3,645
L-4	"A"	1987+50 TO 2001+50	WB	2,098	306	97	7,333			759	775	7,333				1,400	3,220	9,178	374		1,287	3,040
L-4	"B5"	87+50 TO 90+05	WB	164			578			67	67	578										
L-4	"C1"	97+50 TO 101+50	WB	280			989			115	115	989										
L-4	"A"	1987+50 TO 2001+50	EB	2,595			8,011			935	935	8,011				1,400	3,220	9,178	376		1,286	3,040
L-4	"B6"	87+50 TO 89+50	EB	129			456			53	53	456				200	460	1,311				
L-4	"C2"	01+12 TO 01+50	EB	28			100			12	12	100				38	87	249				
L-5	"A"	2001+50 TO 2015+50	WB	2,675	326	124	7,944			803	927	7,944				1,400	3,220	9,178	296		1,483	3,219
L-5	"C1"	101+50 TO 106+55	WB	110			389	181	363	323	416	1,778	1,389		0.46							3,111
L-5	"C3"	04+50 TO 12+20	WB	356			1,256	141	305	374	453	2,333	1,078		0.38							3,749
L-5	"C5"	10+75 TO 15+48	WB		242	100	856	128	255	196	361	1,833			0.33							2,148
L-5	"A"	2001+50 TO 2015+50	EB	2,195			6,600		23	782	789	6,600			0.02	1,400	3,220	9,178	375		1,285	3,407
L-5	"C2"	01+50 TO 10+90	EB	283	274	113	1,967	116	232	294	466	2,856			0.30							4,790
L-5	"C4"	11+00 TO 17+65	EB	365			1,289	103	206	308	361	2,078	789		0.26							1,914
L-6	"A"	2015+50 TO 2027+50	WB	2,537			7,589			885	885	7,589				1,200	2,760	7,867	238		1,295	3,046
L-6	"C5"	15+48 TO 18+30	WB	173			611	4	9	78	80	644			0.01							432
L-6	"D2"	23+50 TO 27+50	WB	308			1,061			124	111	956										432
L-6	"A"	2015+50 TO 2027+50	EB	2,390			7,322			854	854	7,322				1,200	2,760	7,867	310		1,195	3,182
L-6	"D1"	22+76 TO 27+46	EB	187			633	77	154	192	218	1,111			0.20							731
L-7	"A"	2027+50 TO 2040+50	WB	2,724			8,128			948	948	8,128				1,490	2,990	8,522	220		1,399	4,046
L-7	"D2"	27+60 TO 30+00	WB	7			23	126	252	196	261	990	967		0.32							1,403
L-7	"D4"	39+97 TO 45+89	WB	233			822	123	270	297	367	1,767			0.34							1,530
L-7	"A"	2027+50 TO 2040+50	EB	2,939			8,644		23	1,020	1,028	8,644			0.02	1,490	2,990	8,522	270		1,642	3,797
L-7	"D1"	27+46 TO 31+60	EB					210	421	322	430	1,611			0.54							1,587
L-7	"D3"	35+50 TO 45+00	EB	264			933	189	400	410	513	2,378	1,444		0.50							6,966
			SUBTOTAL	32,179	2,382	891	106,466	2,482	6,607	16,711	18,277	125,274	9,033	1,334	8.73	16,793	36,850	105,034	3,656		14,984	93,626

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: REFUGIO DOMINGUEZ
CHECKED BY: NGUYEN HUA
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 08-OCT-2015 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	1115	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 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.

3

ROADWAY QUANTITIES

SHEET No.	LINE DESIGNATION	STATION	DIRECTION	JOINTED PLAIN CONCRETE PAVEMENT (CY)	JOINTED PLAIN CONCRETE PAVEMENT (RSC) (CY)	LEAN CONCRETE BASE RAPID SETTING (CY)	BASE BOND BREAKER (SQYD)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED) (TON)	HOT MIX ASPHALT (TYPE A) (TON)	LEAN CONCRETE BASE (CY)	CLASS 3 AGGREGATE BASE (CY)	SUBGRADE ENHANCEMENT GEOTEXTITLE, CLASS B2 (SQYD)	GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC) (SQYD)	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	TACK COAT (TON)	DRILL AND BOND (DOWEL BAR) (EA)	ISOLATION JOINT SEAL (PREFORMED COMPRESSION) (LF)	JOINT SEAL (PREFORMED COMPRESSION) (LF)	INDIVIDUAL SLAB REPLACEMENT (RSC) (CY)	CRACK AND SEAT (SQYD)	REMOVE CONCRETE PAVEMENT (CY)	ROADWAY EXCAVATION (CY)
L-8	"A"	2040+50 TO 2052+50	WB	2,736			8,316			971	971	8,316				1,200	2,760	7,867	320		1,284	3,901
L-8	"E2"	48+00 TO 52+50	WB	529			1,867			218	218	1,867				450	1,035	2,950				3,901
L-8	"A"	2040+50 TO 2052+50	EB	3,296			9,739			1,136	1,136	9,739				1,200	2,760	7,867	212		1,716	3,555
L-8	"E1"	45+90 TO 52+30	EB	296			1,044	116	232	300	359	1,933			0.30							1,289
L-9	"A"	2052+50 TO 2066+50	WB	1,155			3,456	617	1,146	1,034	1,454	3,456		2,944	1.75	543	3,220	9,178	86		578	3,621
L-9	"E2"	52+63 TO 59+90	WB	38			133	392	783	616	816	3,133	3,000		1.00							2,793
L-9	"E4"	57+15 TO 65+94	WB	57			200	202	427	381	544	1,311	1,111		0.56							963
L-9	"E6"	61+02 TO 66+54	WB	255			900	165	327	359	447	2,122			0.42							15,565
L-9	"A"	2052+50 TO 2066+50	EB	3,804			7,398			863	863	7,398				522	3,220	9,178	78		1,864	2,712
L-9	"E1"	52+30 TO 55+36	EB	211			744	51	148	188	229	1,133			0.17							655
L-9	"E3"	52+11 TO 61+35	EB	159			560	167	357	333	425	1,838	1,278		0.45							4,605
L-9	"E5"	57+55 TO 65+50	EB	35			122	297	595	470	622	2,400	2,278		0.76							2,310
L-10	"HA1"	10+00 TO 20+00	SB						1,509	744	1,431			544	1.24							1,463
L-10	"HA1"	10+00 TO 21+98	NB						1,609	799	1,537			456	1.31							1,365
L-11	"A"	2066+50 TO 2078+50	WB					1,272	2,001	1,400	2,333			5,533	3.37							4,662
L-11	"E6"	66+54 TO 73+86	WB					213	320	408	681				0.54							4,662
L-11	"A"	2066+50 TO 2078+50	EB	5,069			7,900			922	922	7,900					2,760	7,867			1,556	3,106
L-11	"E5"	65+50 TO 70+90	EB	318			1,122			131	131	1,122										4,662
L-12	"A"	2078+50 TO 2091+50	WB					1,488	2,374	1,903	3,171			5,056	3.94							5,932
L-12	"A"	2078+50 TO 2091+50	EB	5,311			7,778		35	925	936	7,778			0.03		2,990	8,522			1,711	4,221
L-13	"A"	2091+50 TO 2104+50	WB					1,430	2,541	1,708	2,847			5,500	3.96							3,090
L-13	"A"	2091+50 TO 2104+50	EB	4,432			10,722			1,251	1,251	10,722					2,990	8,522			1,750	1,340
L-14	"A"	2104+50 TO 2117+50	WB			507		1,390	2,726	1,104	2,685			5,611	4.02							5,360
L-14	"EVV1"	2117+10 TO 2117+50	WB						12	6	12				0.01		92	262				
L-14	"A"	2104+50 TO 2117+50	EB	4,817			10,167			1,186	1,186	10,167					2,990	8,522			1,646	3,714
L-15	"A"	2117+50 TO 2130+50	WB			208		1,637	2,456	2,928	5,227				4.18						1,633	23,069
L-15	"EVV1"	2117+50 TO 2130+50	WB						250	128	245				0.20							
L-15	"F2"	26+66 TO 30+50	WB					131	196	250	417				0.33							3,035
L-15	"A"	2117+50 TO 2130+50	EB	4,472			14,756			1,721	1,721	14,756					2,990	8,522			1,633	23,069
L-15	"F1"	25+29 TO 30+36	EB	334			1,178	94	189	282	330	1,900			0.24							10,970
L-16	"A"	2130+50 TO 2144+50	WB					1,627	2,440	3,117	5,194				4.16		3,220	9,178			1,680	4,307
L-16	"EVV1"	2130+50 TO 2136+46	WB						108	55	106				0.09							
L-16	"F2"	30+50 TO 36+89	WB					323	650	523	727	2,167	2,167		0.85							3,035
L-16	"F3"	37+13 TO 45+11	WB		268	157	944	218	435	333	602	2,611			0.56							659
L-16	"A"	2130+50 TO 2144+50	EB	4,204			13,044			1,522	1,522	13,044				372	3,220	9,178			1,924	3,983
L-16	"F1"	30+36 TO 35+92	EB		220	91	778	203	406	311	506	2,333			0.52							5,392
L-16	"F4"	36+30 TO 41+63	EB	201			711	283	566	516	661	2,878	2,167		0.72							3,677
L-17	"VV1"	9+42 TO 12+00	SB			30			273	110	269				0.21							463
L-17	"VV1"	9+42 TO 12+00	NB			35			292	114	287				0.23							410
			SUBTOTAL	41,729	488	1,028	103,579	12,316	25,403	31,266	45,021	122,024	12,001	25,644	36.12	4,287	34,247	97,613	696		18,978	171,516

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 08-OCT-2015 | TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	10	37.2/42.4	1116	2313

REGISTERED CIVIL ENGINEER 9-8-14 DATE

6-1-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER REFUGIO DOMINGUEZ No. 50820 Exp. 9-30-15 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.

3

ROADWAY QUANTITIES

SHEET No.	LINE DESIGNATION	STATION	DIRECTION	JOINTED PLAIN CONCRETE PAVEMENT (CY)	JOINTED PLAIN CONCRETE PAVEMENT (RSC) (CY)	LEAN CONCRETE BASE RAPID SETTING (CY)	BASE BOND BREAKER (SQYD)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED) (TON)	HOT MIX ASPHALT (TYPE A) (TON)	LEAN CONCRETE BASE (CY)	CLASS 3 AGGREGATE BASE (CY)	SUBGRADE ENHANCEMENT GEOTEXTITLE, CLASS B2 (SQYD)	GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC) (SQYD)	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	TACK COAT (TON)	DRILL AND BOND (DOWEL BAR) (EA)	ISOLATION JOINT SEAL (PREFORMED COMPRESSION) (LF)	JOINT SEAL (PREFORMED COMPRESSION) (LF)	INDIVIDUAL SLAB REPLACEMENT (RSC) (CY)	CRACK AND SEAT (SQYD)	REMOVE CONCRETE PAVEMENT (CY)	ROADWAY EXCAVATION (CY)
L-18	"A"	2144+50 TO 2159+50	WB					1,789	2,684	3,428	5,713				4.57						1,581	3,495
L-18	"F3"	45+11 TO 48+62	WB					117	187	217	350	167			0.30							3,602
L-18	"A"	2144+50 TO 2159+50	EB	5,897	33	10	14,256			1,653	1,663	14,256					3,450	9,833			2,359	3,170
L-19	"A"	2159+50 TO 2173+50	WB					1,943	2,915	2,431	4,051				4.96					5,167	560	8,030
L-19	"A"	2159+50 TO 2173+50	EB	4,614	61	19	15,389			1,776	1,795	15,389					3,220	9,178			1,742	8,277
L-20	"A"	2173+50 TO 2187+50	WB					2,001	3,002	2,653	4,421				5.11					4,722	684	8,603
L-20	"A"	2173+50 TO 2187+50	EB	4,880			15,833			1,847	1,847	15,833					3,220	9,178			1,742	7,545
L-21	"A"	2187+50 TO 2202+50	WB			257		2,033	3,049	3,894	6,491				5.19							2,866
L-21	"CONNA"	201+27 TO 202+50	WB					70	104	133	222				0.18							2,866
L-21	"A"	2187+50 TO 2202+50	EB	2,108			2,944	1,187	2,168	1,427	2,149	2,944		3,389	3.31		3,450	9,833		2,222	674	2,192
L-22	"A"	2202+50 TO 2216+50	WB			139		1,620	2,429	2,533	4,222				4.14					2,278	1,213	1,018
L-22	"CONNA"	202+50 TO 216+50	WB					200	300	383	639				0.51						1,213	1,018
L-22	"H1"	12+50 TO 16+50	WB					123	185	236	394				0.31						1,213	1,018
L-22	"A"	2202+50 TO 2216+50	EB					1,679	3,336	1,594	2,657			7,167	4.89					1,111		2,231
L-22	"G1"	09+07 TO 16+52	EB					247	450	411	604	1,222			0.63							821
L-23	"A"	2216+50 TO 2230+50	WB	1,945			3,400	792	1,188	1,541	2,304	3,400			2.02	84	3,220	9,178		1,489	1,429	1,444
L-23	"H1"	17+50 TO 24+00	WB					25	133	96	158				0.15							
L-23	"H2"	29+42 TO 30+60	WB					48	96	73	98	367			0.12							
L-23	"A"	2216+50 TO 2230+50	EB	2,261			3,633	929	1,394	1,385	2,026	3,633			2.37	122	3,220	9,178		3,278	1,244	1,630
L-23	"G1"	16+52 TO 23+67	EB		268	110	944	210	421	322	540	2,556			0.54							1,167
L-23	"G2"	19+50 TO 31+06	EB		560	231	1,978	117	176	225	606	1,978			0.30							1,530
L-23	"G3"	27+50 TO 30+74	EB		227	93	800				93	800										
L-24	"KD1"	1+80 TO 3+00	SB						137	70	134				0.11							216
L-24	"KD1"	1+80 TO 3+00	NB						137	70	134				0.11							216
L-25	"A"	2230+50 TO 2239+50	WB	1,944	1,142	186	5,400			302	630	5,400				86	2,070	5,900			1,305	1,552
L-25	"H2"	30+86 TO 32+83	WB	170			600	87	174	203	248	1,267			0.22							966
L-25	"A"	2230+50 TO 2239+50	EB	2,795	727	25	5,356			600	625	5,356				80	2,070	5,900			1,268	1,587
L-25	"ELINE1"	233+47 TO 239+00	EB	384			1,356			158	158	1,356				80	1,272	3,625			52	1,587
		SUBTOTAL		27,000	3,018	1,070	71,889	15,217	24,665	29,661	44,972	75,924		10,556	40.04	452	25,192	71,803		20,267	18,279	68,647
		Q-1 SUBTOTAL		32,179	2,382	891	106,466	2,482	6,607	16,711	18,277	125,274	9,033	1,334	8.73	16,793	36,850	105,034	3,656		14,984	93,626
		Q-2 SUBTOTAL		41,729	488	1028	103,579	12,316	25,403	31,266	45,021	122,024	12,001	25,644	36.12	4,287	34,247	97,613	696		18,978	171,516
		TOTAL		100,908	5,888	2,989	281,934	30,015	56,675	77,638	108,270	323,222	21,034	37,534	84.89	21,532	96,289	274,450	4,352	20,267	52,241	333,789
		WQ-3 QUANTITIES							0.35													704
		Q-5 QUANTITIES							445.4													
		SCQ-19 QUANTITIES							47,617	23,589	31,760											72,519
		GRAND TOTAL		100,908	5,888	2,989	281,934	30,015	104,738	101,227	140,030	323,222	21,034	37,534	84.89	21,532	96,289	274,450	4,352	20,267	52,241	407,012

3 **REPLACED PER ADDENDUM No. 3 DATED OCTOBER 9, 2015**

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: KAREN FONG
CALCULATED-DESIGNED BY: NGUYEN HUA
CHECKED BY: REFUGIO DOMINGUEZ
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 08-OCT-2015
TIME PLOTTED => 14:26