Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	1	195

ACHSNH-P152(082)E

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN SANTA CLARA COUNTY
NEAR GILROY FROM OLD LAKE ROAD
TO 0.3 MILE EAST OF OLD LAKE ROAD AND
FROM 0.4 MILE WEST TO 0.6 MILE EAST OF LOVERS LANE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-6	TYPICAL CROSS SECTIONS
7-14	LAYOUTS
15-19	PROFILES AND SUPERELEVATION DIAGRAMS
20-21	CONSTRUCTION DETAILS
22	TEMPORARY WATER POLLUTION CONTROL QUANTITIES
23-31	EROSION CONTROL PLANS, DETAILS AND QUANTITIES
32-59	DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES
60-64	UTILITY PLANS
65-66	CONSTRUCTION AREA SIGNS
67-93	STAGE CONSTRUCTION PLANS
94-103	PAVEMENT DELINEATION PLANS
104-105	SIGN PLAN AND QUANTITIES
106	SUMMARY OF QUANTITIES
107-109	RETAINING WALL PLANS
110	PLANT REMOVAL PLAN
111-145	REVISED AND NEW STANDARD PLANS

STRUCTURE PLANS

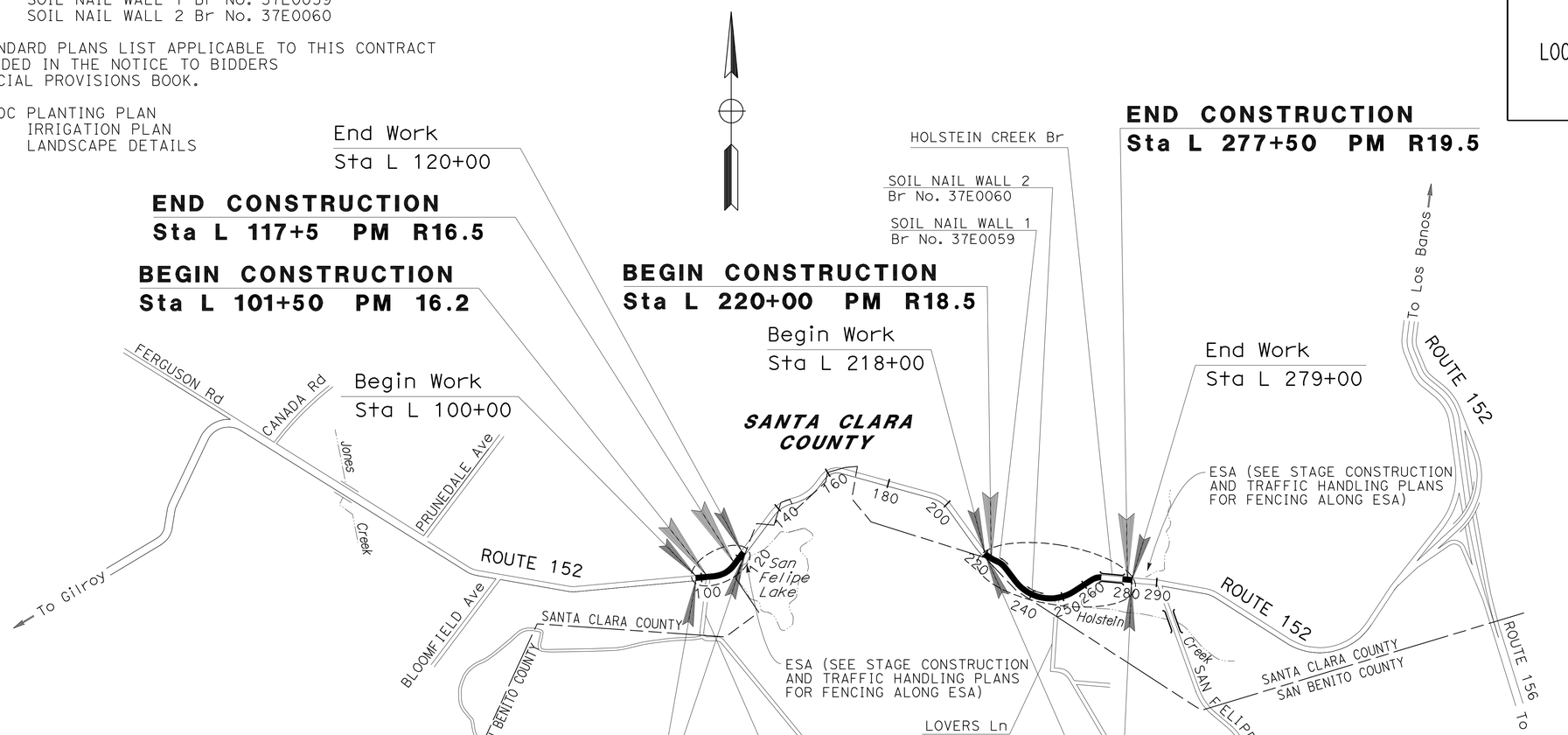
146-157	SOIL NAIL WALL 1 Br No. 37E0059
158-195	SOIL NAIL WALL 2 Br No. 37E0060

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

110A-110C	PLANTING PLAN
110D	IRRIGATION PLAN
110E	LANDSCAPE DETAILS

1

LOCATION MAP



1 **REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012**

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

NO SCALE

PROJECT MANAGER: FARIBA ZOHOURY

DESIGN ENGINEER: AHMED RAHID

2/7/12
PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — Ahmed T. Rahid — No. 76800 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

May 21, 2012
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.

CONTRACT No.	04-2A4404
PROJECT ID	0400000823

LAST REVISION 02-07-12 — DATE PLOTTED => 14-DEC-2012 — TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	7	195

REGISTERED CIVIL ENGINEER 8/9/12 DATE

5-21-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ahmed T. Rahid No. 76800 Exp. 12-31-12 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.

LEGEND:

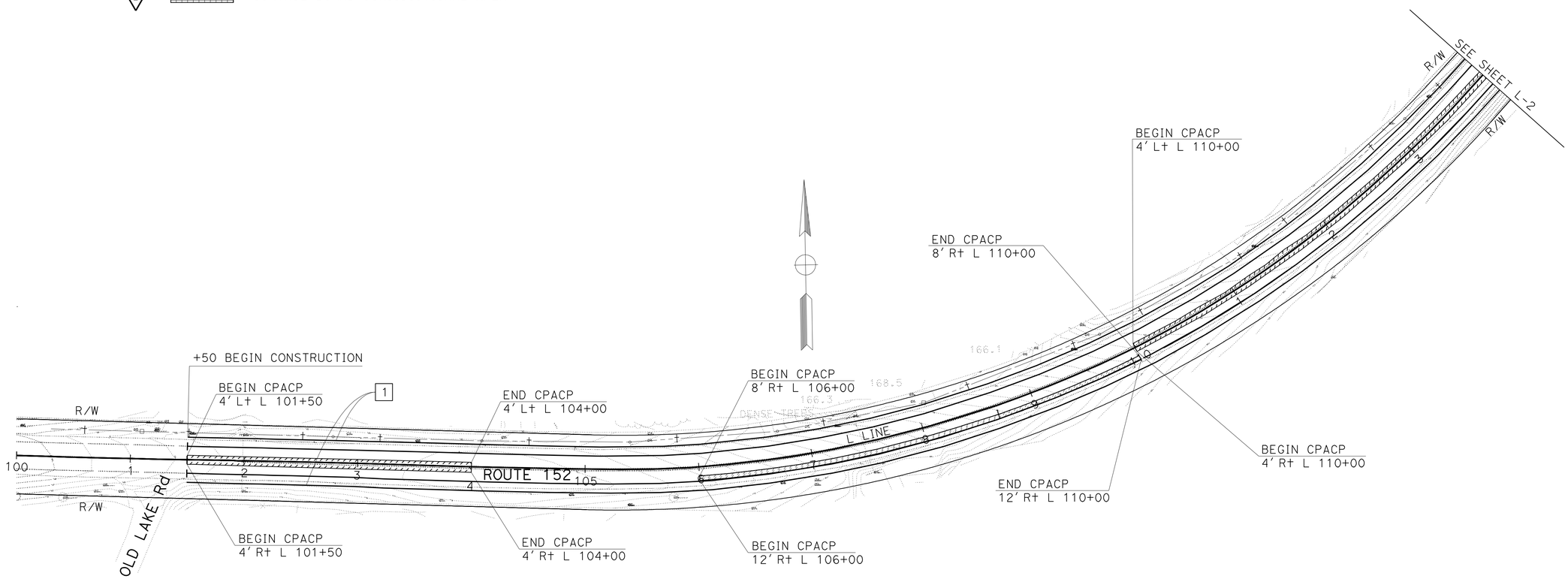
- No. — PAVEMENT STRUCTURAL SECTION NUMBER
- No. — CURVE DATA NUMBER
- COLD PLANE ASPHALT CONCRETE PAVEMENT(CPACP)
- REMOVE BASE AND SURFACING
- DRIVEWAY CONFORM
- 1 — CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD JURISDICTIONAL AREA

ABBREVIATIONS:

AMA	ARCHAEOLOGICAL MONITORING AREA
CPACP	COLD PLANE ASPHALT CONCRETE PAVEMENT
DE	DRAINAGE EASEMENT
SE	SLOPE EASEMENT
SNWE	SOIL NAIL WALL EASEMENT
TCE	TEMPORARY CONSTRUCT EASEMENT

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE STAGE CONSTRUCTION AND TRAFFIC HANDLING PLANS FOR ENVIRONMENTALLY SENSITIVE AREAS AND ARCHAEOLOGICAL MONITORING AREA.
3. NEW MAILBOX LOCATION WILL BE DETERMINED BY ENGINEER.



1 REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

LAYOUT

SCALE 1'' = 50'

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MORTEZA AZIMI
CALCULATED-DESIGNED BY: AHMED RAHID
CHECKED BY: CALVIN TRAN
REVISED BY: AR
DATE REVISED: 8/9/12

LAST REVISION 08-16-12 | DATE PLOTTED => 14-DEC-2012 | TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	9	195

REGISTERED CIVIL ENGINEER 8/9/12 DATE

5-21-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ahmed T. Rahid No. 76800 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

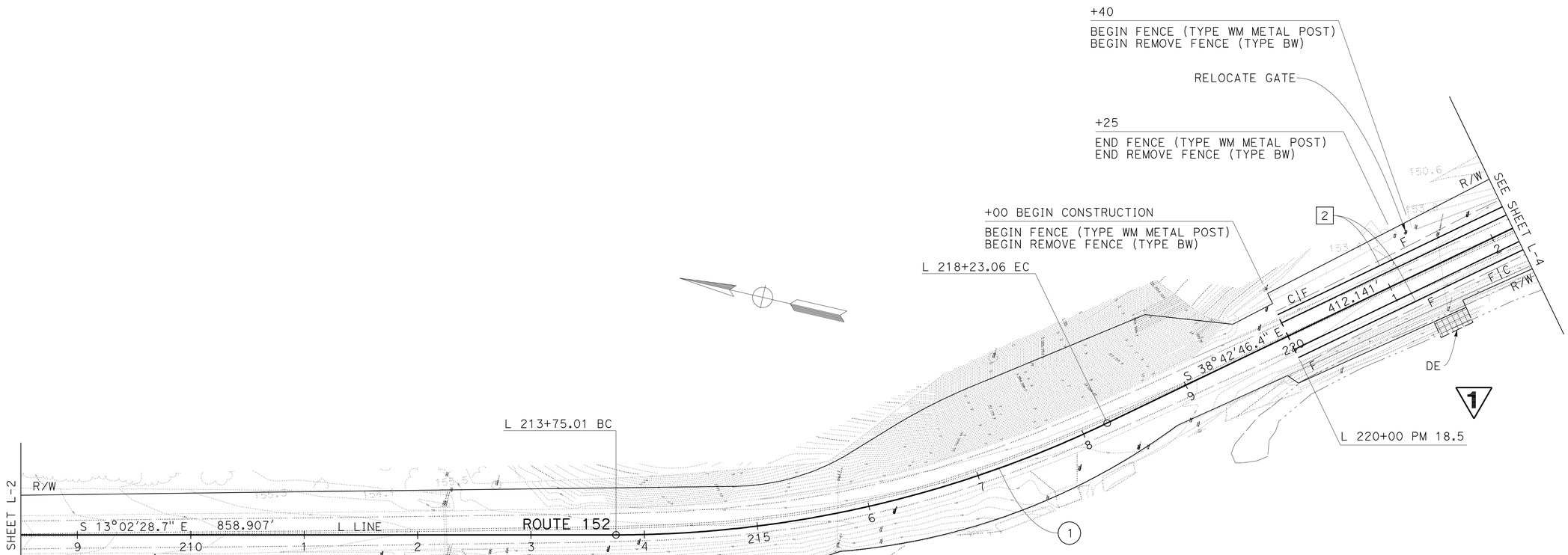
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA

No.	R	Δ	T	L	N	E
1	1000′	25°40′18"	227.85′	448.05′	1816519.69	6288619.17



1 REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1″ = 50′

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MORTEZA AZIMI
CALCULATED-DESIGNED BY: AHMED RAHID
CHECKED BY: CALVIN TRAN
REVISED BY: AR
DATE REVISED: 8/9/12

LAST REVISION 08-16-12 | DATE PLOTTED => 14-DEC-2012 | TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	10	195

REGISTERED CIVIL ENGINEER 8/9/12 DATE

5-21-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ahmed T. Rahid No. 76800 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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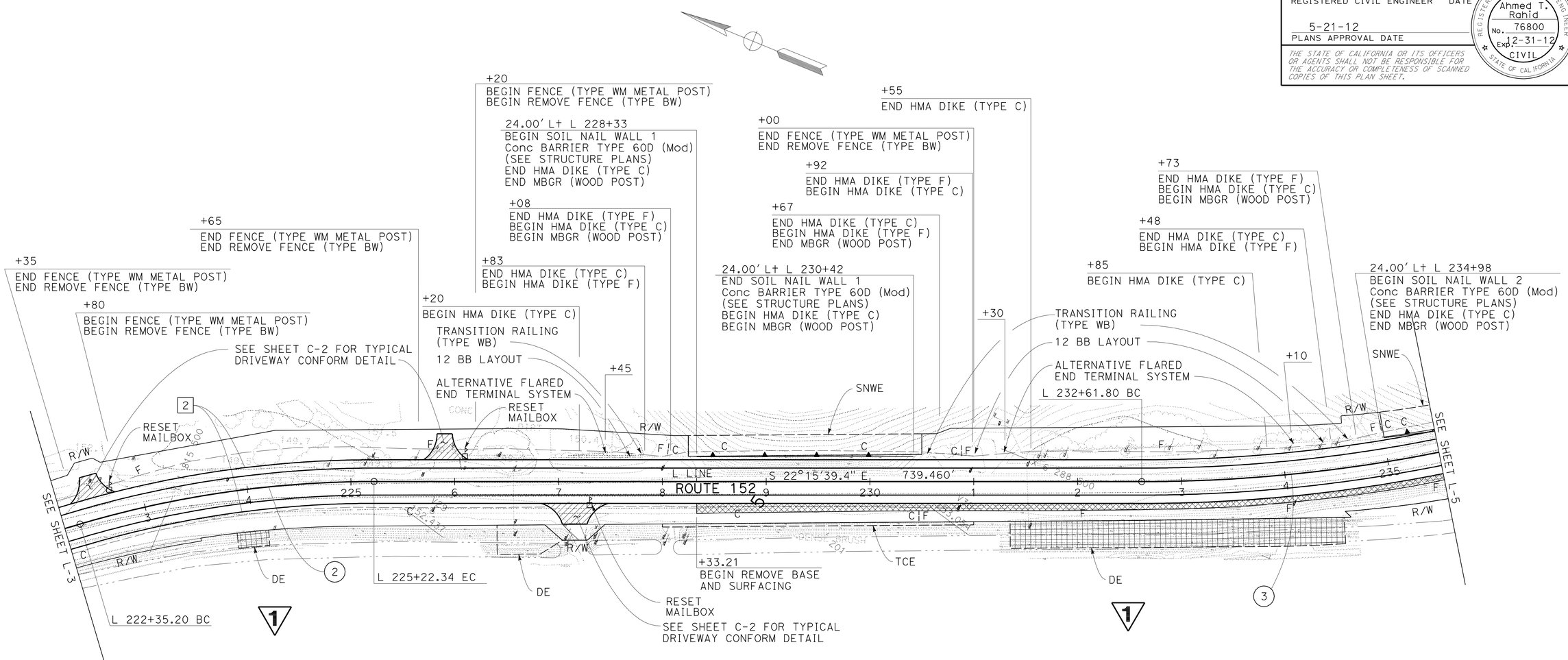
NOTE:

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



CURVE DATA

No.	R	Δ	T	L	N	E
2	1000'	16°27'07"	144.56'	287.14'	1814947.27	6287316.36
3	1460'	82°58'04"	1290.96'	2114.17'	1815194.83	6289873.13

1 REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1'' = 50'

L-4

REVISED BY	DATE REVISED
AR	8/9/12

AHMED RAHID — CALCULATED-DESIGNED BY
CALVIN TRAN — CHECKED BY
MORTEZA AZIMI — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-16-12 | DATE PLOTTED => 14-DEC-2012 | TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	12	195

REGISTERED CIVIL ENGINEER 8/9/12 DATE

5-21-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ahmed T. Rahid No. 76800 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

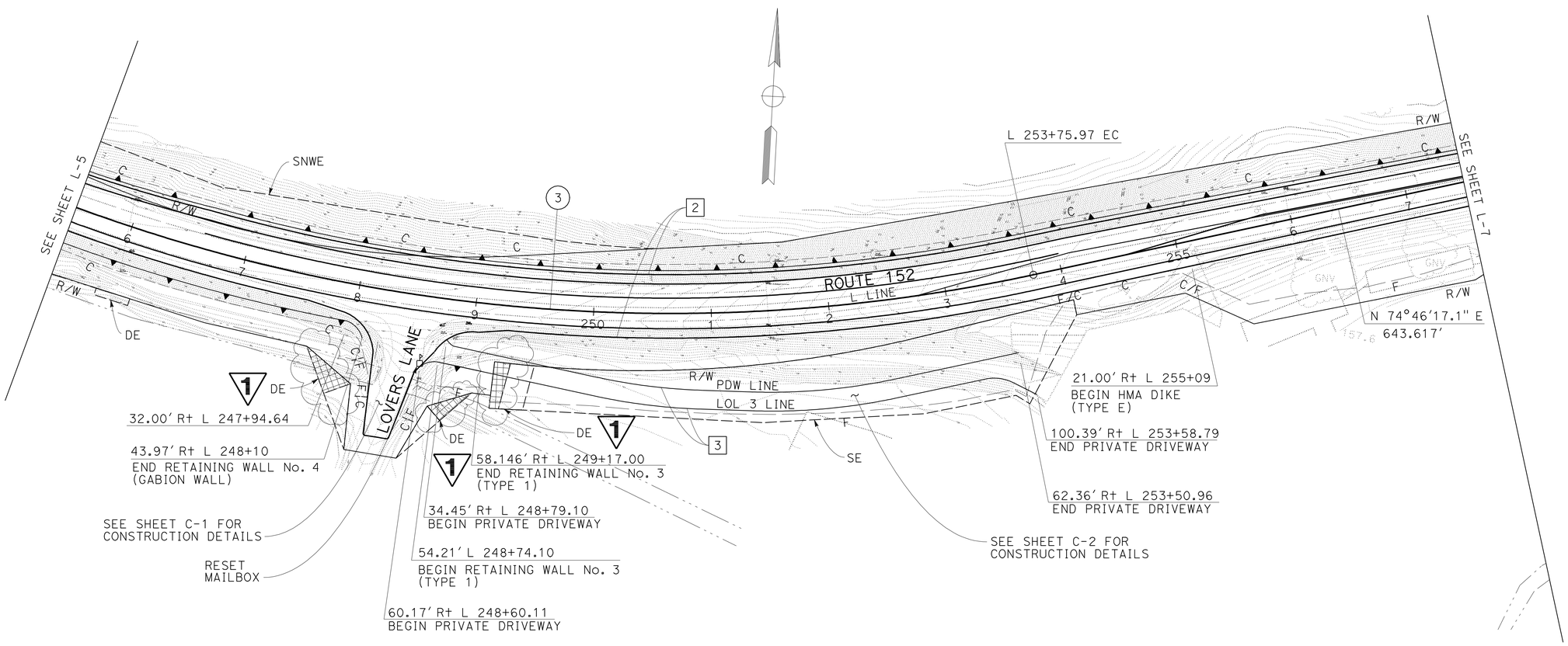
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA

No.	R	Δ	T	L	N	E
3	1460′	82°58′04"	1290.96′	2114.17′	1815194.83	6289873.13



1 REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT

SCALE: 1″ = 50′

L-6

REVISED BY	DATE REVISED
AR	8/9/12

CALCULATED-DESIGNED BY: AHMED RAHID
CHECKED BY: CALVIN TRAN
FUNCTIONAL SUPERVISOR: MORTEZA AZIMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-16-12 | DATE PLOTTED => 14-DEC-2012 | TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	13	195

REGISTERED CIVIL ENGINEER 8/9/12 DATE

5-21-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Ahmed T. Rahid No. 76800 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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NOTE:

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

CURVE DATA

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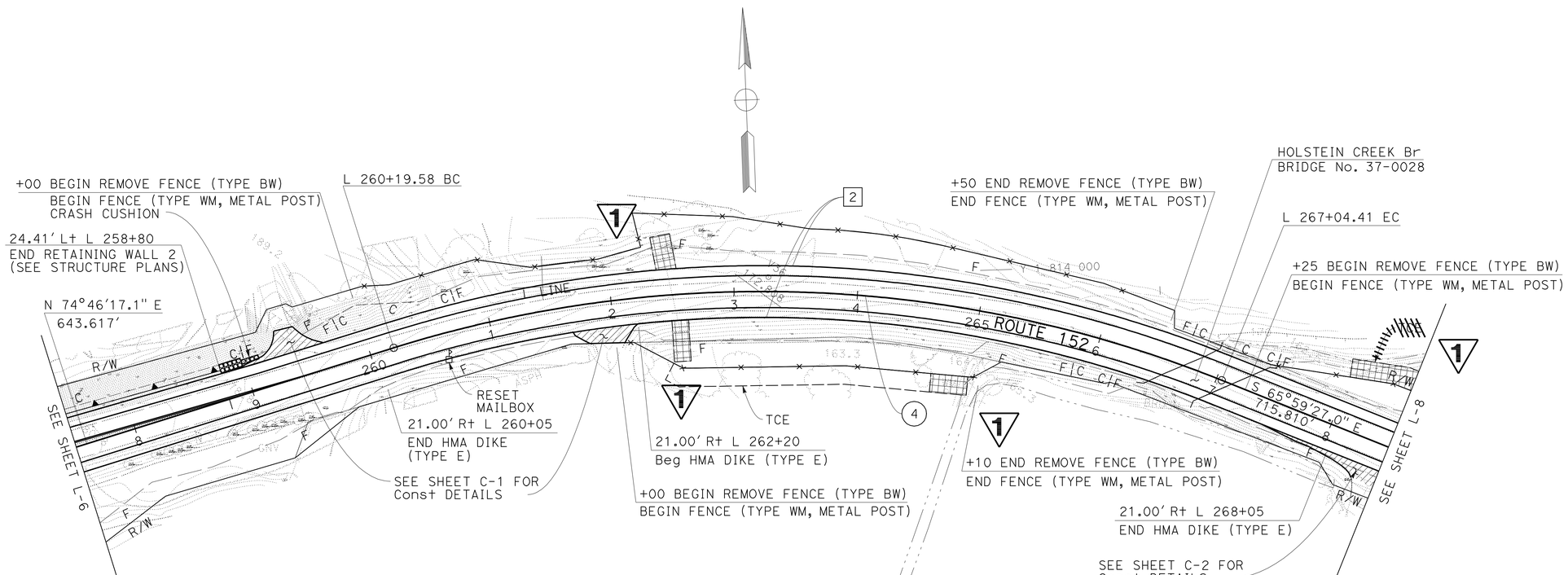


1 REVISED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1″ = 50′

L-7

REVISED BY	DATE REVISED
AR	8/9/12

AHMED RAHID — CALCULATED-DESIGNED BY
CALVIN TRAN — CHECKED BY
MORTEZA AZIMI — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-16-12 | DATE PLOTTED => 14-DEC-2012 | TIME PLOTTED => 10:41

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	110A	195

LICENSED LANDSCAPE ARCHITECT

5-21-12
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 Laurie J. Smith No. 4366 Signature 8-31-14 Renewal Date 11-13-12 Date STATE OF CALIFORNIA

FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

APPLICABLE WHEN CIRCLED:

1 - QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS SQFT OR SQYD APPLICATION RATES
2 - BASIN MULCH IS INCLUDED WITH MULCH QUANTITIES SHOWN ON PLANTING PLAN
3 - SUFFICIENT TO RECEIVE ROOT BALL AND AMENDMENTS IF REQUIRED
4 - SEE DETAIL
5 - SEE SPECIAL PROVISIONS
6 - SEE STANDARD SPECIFICATIONS
7 - AS SHOWN ON PLANS
8 - UNLESS OTHERWISE SHOWN ON PLANS
9 - FOLIAGE PROTECTOR REQUIRED
10 - ROOT PROTECTOR REQUIRED
11 - ROOT BARRIER REQUIRED
12 - STATE-FURNISHED
13 - POT SIZE 4" X 14"

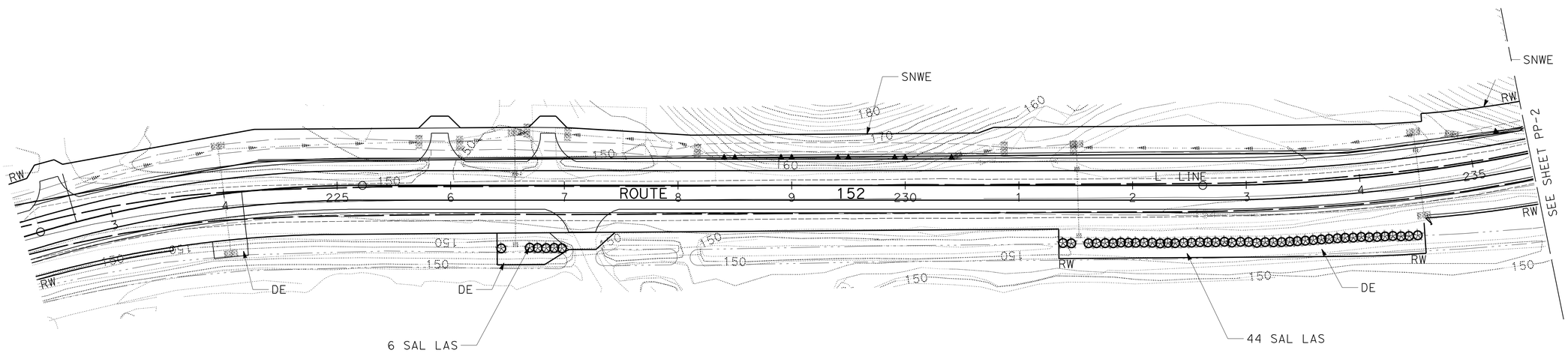
ABBREVIATIONS:

SNWE SOUNDWALL
DE DRAINAGE EASEMENT
TCE TEMPORARY CONSTRUCTION EASEMENT

1

PLANT LIST AND PLANTING SPECIFICATIONS

GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH) Dia	HOLE SIZE (INCH) DEPTH	BASIN TYPE	IRON SULFATE 1	SOIL AMEND 1	COMMERCIAL FERTILIZER 1 PLANTING	COMMERCIAL FERTILIZER 1 PLT ESTB	BASIN MULCH (CY)	STAKING	PLANTING LIMITS MINIMUM DISTANCE (ft) FROM ETW	Pvmt	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (ft)	REMARKS
I	1		AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	POT 13	12	12"	18"	1	-	0.18 CF	1 Pkt	-	0.03	-	30	-	20	15	15	17	7	TREE 9
	2		QUERCUS AGRIFOLIA	COAST LIVE OAK	POT 13	5	12"	18"	1	-	0.18 CF	1 Pkt	-	0.03	-	30	-	20	15	15	17	7	TREE 9
	3		SAMBUCUS CAERULEA	ELDERBERRY	POT 13	9	12"	18"	1	-	0.18 CF	1 Pkt	-	0.03	-	30	-	20	15	15	17	7	TREE 9
W	4		SALIX LASIOLEPIS	ARROYO WILLOW	POT 5	562	-	-	1	-	-	1 Pkt	-	-	-	30	-	-	-	-	-	7	SHRUB



1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE 1" = 50'

PP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
WATER QUALITY

SENIOR LANDSCAPE ARCHITECT: DAVID W YAM
CALCULATED-DESIGNED BY: LAURIE J SMITH
CHECKED BY: ALEX MC DONALD
REVISED BY: LJS
DATE REVISED: 11/13/12

LAST REVISION 11-13-12
DATE PLOTTED => 14-DEC-2012
TIME PLOTTED => 10:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	110B	195

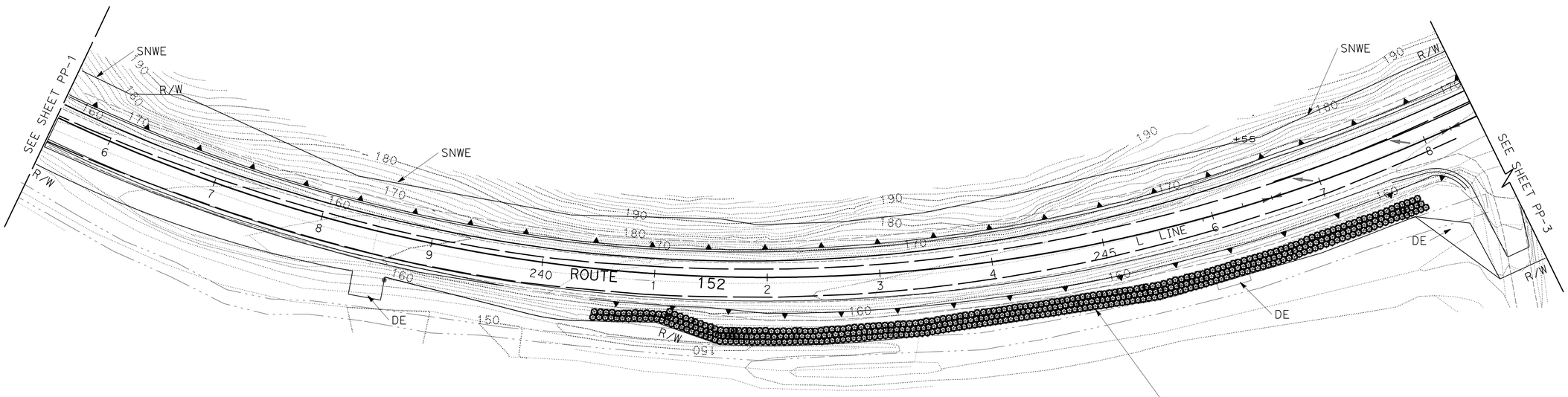
LICENSED LANDSCAPE ARCHITECT

5-21-12
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
Laurie J. Smith No. 4096
Signature
8-31-14
Renewal Date
11-13-12
Date
STATE OF CALIFORNIA

FOR COMPLETE RIGHT OF WAY DATA,
SEE RIGHT OF WAY RECORD MAPS
AT DISTRICT OFFICE.



1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN PP-2

SCALE 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
WATER QUALITY

SENIOR LANDSCAPE ARCHITECT: DAVID W YAM
CALCULATED-DESIGNED BY: LAURIE J SMITH
CHECKED BY: ALEX MC DONALD
REVISED BY: LJS
DATE REVISED: 11/13/12

LAST REVISION 11-13-12
DATE PLOTTED => 14-DEC-2012
TIME PLOTTED => 10:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	110C	195

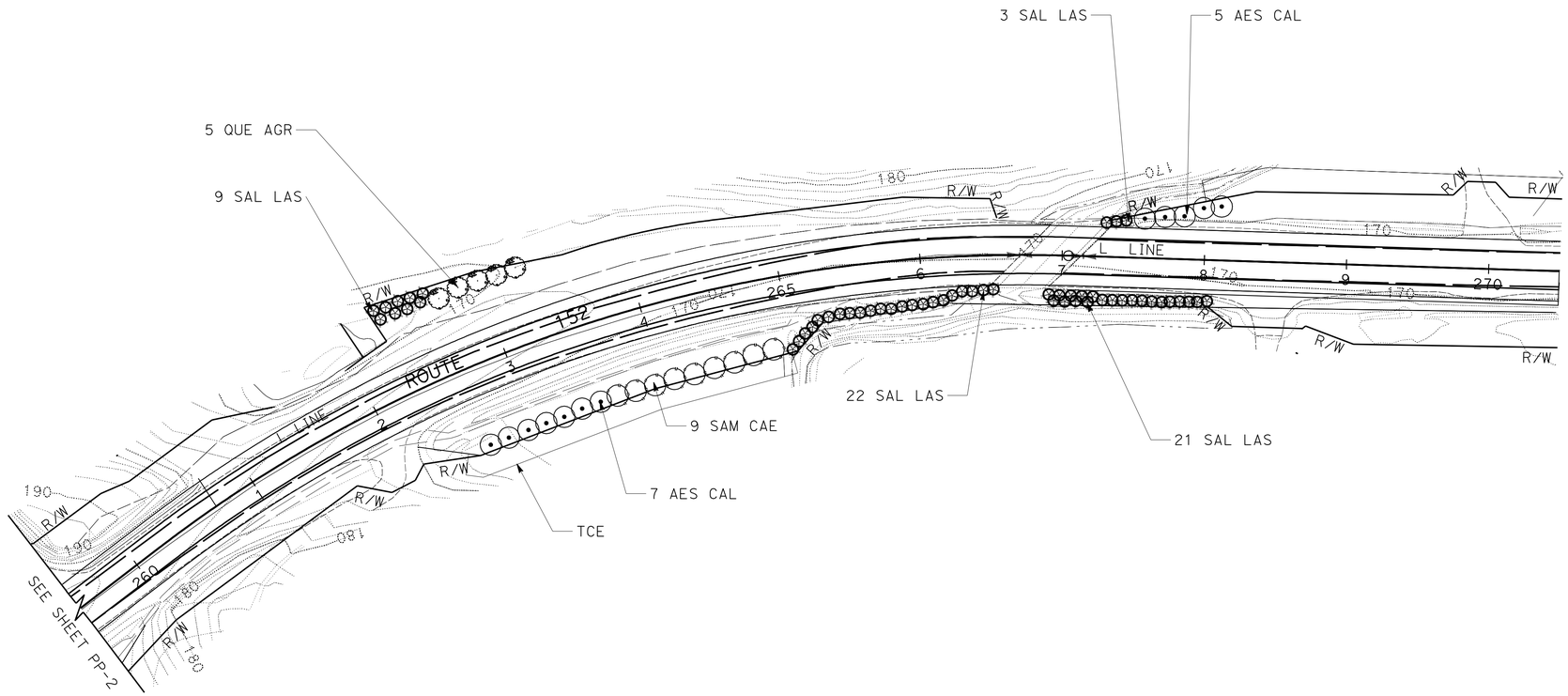
LICENSED LANDSCAPE ARCHITECT

5-21-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Laurie J. Smith No. 4088
Signature
8-31-14
Renewal Date
11-3-12
Date
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.

FOR COMPLETE RIGHT OF WAY DATA,
SEE RIGHT OF WAY RECORD MAPS
AT DISTRICT OFFICE.



1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE 1" = 50'

PP-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
WATER QUALITY

SENIOR LANDSCAPE ARCHITECT: DAVID W YAM
CALCULATED-DESIGNED BY: LAURIE J SMITH
CHECKED BY: ALEX MC DONALD
REVISED BY: LJS
DATE REVISED: 11/13/12

LAST REVISION: 11-13-12
DATE PLOTTED => 14-DEC-2012
TIME PLOTTED => 10:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	110D	195

LICENSED LANDSCAPE ARCHITECT

5-21-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Laurie J. Smith No. 4088
Signature
8-31-14
Renewal Date
11-13-12
Date
STATE OF CALIFORNIA

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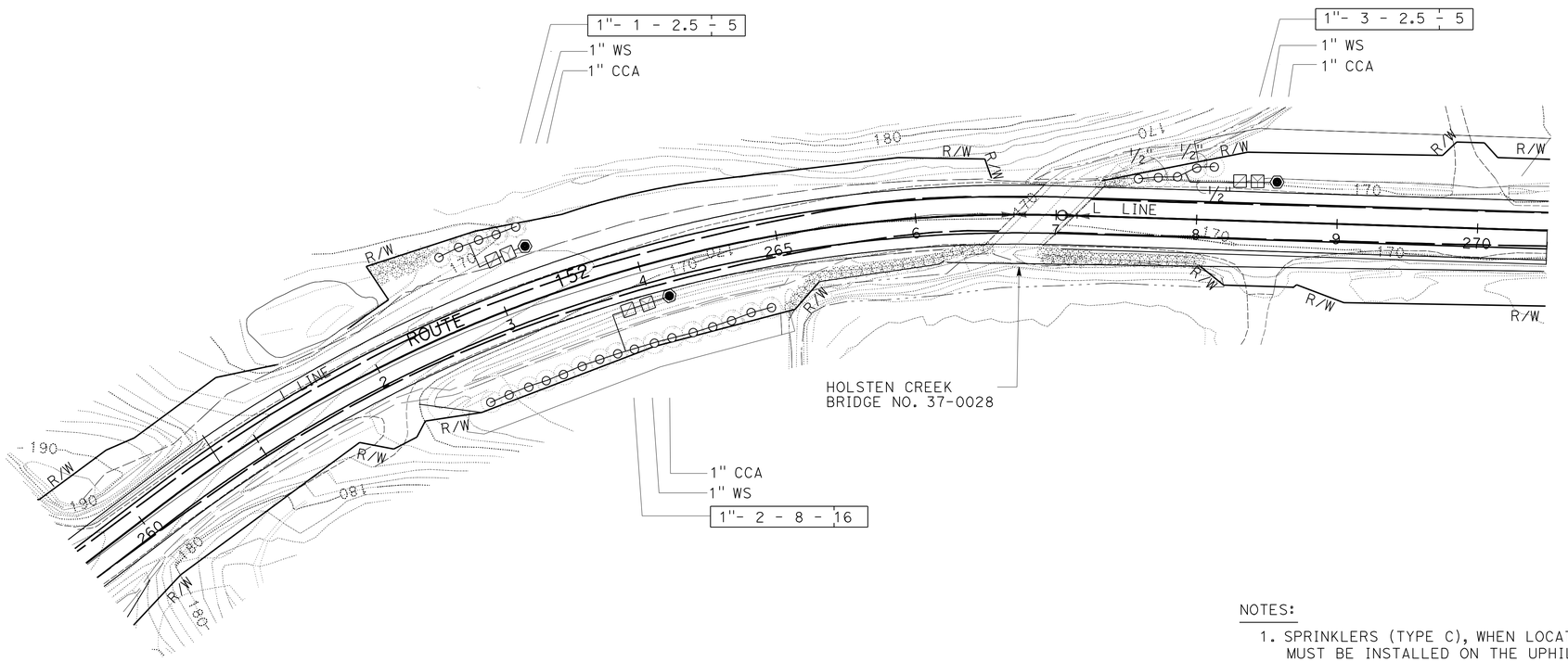
AT DISTRICT OFFICE.



NOTES:

1. SPRINKLERS (TYPE C), WHEN LOCATED ON SLOPES, MUST BE INSTALLED ON THE UPHILL SIDE OF THE BASIN.
2. ALL IRRIGATION EQUIPMENT SIZES ARE SHOWN INCHES.

1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012

APPROVED FOR IRRIGATION WORK ONLY

IRRIGATION PLAN

SCALE 1" = 50'

IP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
WATER QUALITY

SENIOR LANDSCAPE ARCHITECT: DAVID W YAM

CALCULATED-DESIGNED BY: LAURIE J SMITH
CHECKED BY: ALEX MC DONALD

REVISED BY: LJS
DATE REVISED: 11/13/12

LAST REVISION: 11-13-12
DATE PLOTTED => 14-DEC-2012
TIME PLOTTED => 10:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCI	152	16.2/R16.5, R18.5/R19.5	110E	195

LICENSED LANDSCAPE ARCHITECT

5-21-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Laurie J. Smith No. 4088 — Signature — 8-31-14 Renewal Date — 11-13-12 Date — 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.

1

SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ② DISCHARGE: GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)	RADIUS (ft)	WIDTH x LENGTH (ft)	MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING Adj ARC STOP	BACKSPLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	Adj DISCHARGE	RISER: TYPE	MATERIAL: PLASTIC	GALVANIZED	SIZE (IPS INCH)	HEIGHT (INCH)	FLOW SHUTOFF DEVICE	⑤ SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS
☼	C-2	BUBBLER	F	25	X	.25	-	-	-	PL	½"	-	-	-	-	-	V	X	-	½"	-	-	-	-	-	

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

1 - SEE SPECIAL PROVISIONS.
2 - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
3 - ARC STOP SHALL BE FITTED WITH A NUT AND BOLT.
4 - VINYL-COATED CAST IRON HOUSING.
5 - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
6 - UNLESS OTHERWISE SHOWN ON PLANS.

1 **ADDED PER ADDENDUM No. 1 DATED DECEMBER 14, 2012**

LANDSCAPE DETAILS

NO SCALE

LD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® WATER QUALITY

SENIOR LANDSCAPE ARCHITECT: DAVID W YAM
CALCULATED-DESIGNED BY / CHECKED BY
REVISED BY: LJS — DATE REVISED: 11/13/12
LAURIE J SMITH — ALEX MC DONALD

LAST REVISION 11-13-12 — DATE PLOTTED => 14-DEC-2012 — TIME PLOTTED => 10:27