Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	1	41

ACSTPE-005-8(350)E

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN TEHAMA COUNTY AT VARIOUS LOCATIONS FROM 0.2 MILE SOUTH OF LIBERAL AVENUE OVERCROSSING TO 0.1 MILE NORTH OF BOWMAN ROAD OVERCROSSING

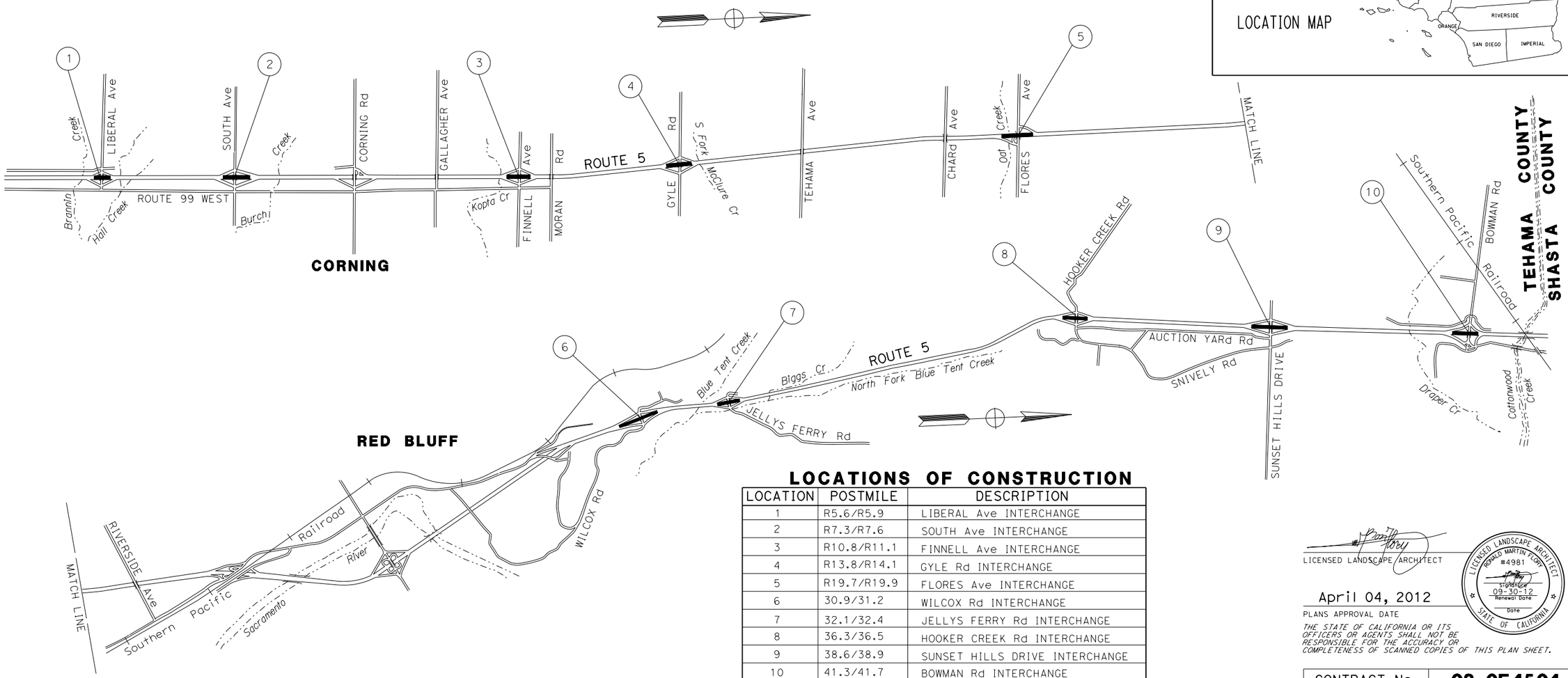
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE
2-25	LAYOUTS
26	CONSTRUCTION DETAILS
27	CONSTRUCTION AREA SIGNS
28-29	SUMMARY OF QUANTITIES
30-41	NEW AND REVISED STANDARD PLANS

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

LOCATION MAP



LOCATIONS OF CONSTRUCTION

LOCATION	POSTMILE	DESCRIPTION
1	R5.6/R5.9	LIBERAL Ave INTERCHANGE
2	R7.3/R7.6	SOUTH Ave INTERCHANGE
3	R10.8/R11.1	FINNELL Ave INTERCHANGE
4	R13.8/R14.1	GYLE Rd INTERCHANGE
5	R19.7/R19.9	FLORES Ave INTERCHANGE
6	30.9/31.2	WILCOX Rd INTERCHANGE
7	32.1/32.4	JELLYS FERRY Rd INTERCHANGE
8	36.3/36.5	HOOKER CREEK Rd INTERCHANGE
9	38.6/38.9	SUNSET HILLS DRIVE INTERCHANGE
10	41.3/41.7	BOWMAN Rd INTERCHANGE

NO SCALE

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

LICENSED LANDSCAPE ARCHITECT

April 04, 2012
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date Date STATE OF CALIFORNIA

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CONTRACT No.	02-0E4504
PROJECT ID	0200020065

LAST REVISION 01-10-12
DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

PROJECT MANAGER STEVE ROGERS
SENIOR LANDSCAPE ARCHITECT RON FLORY

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	2	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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NOTES:

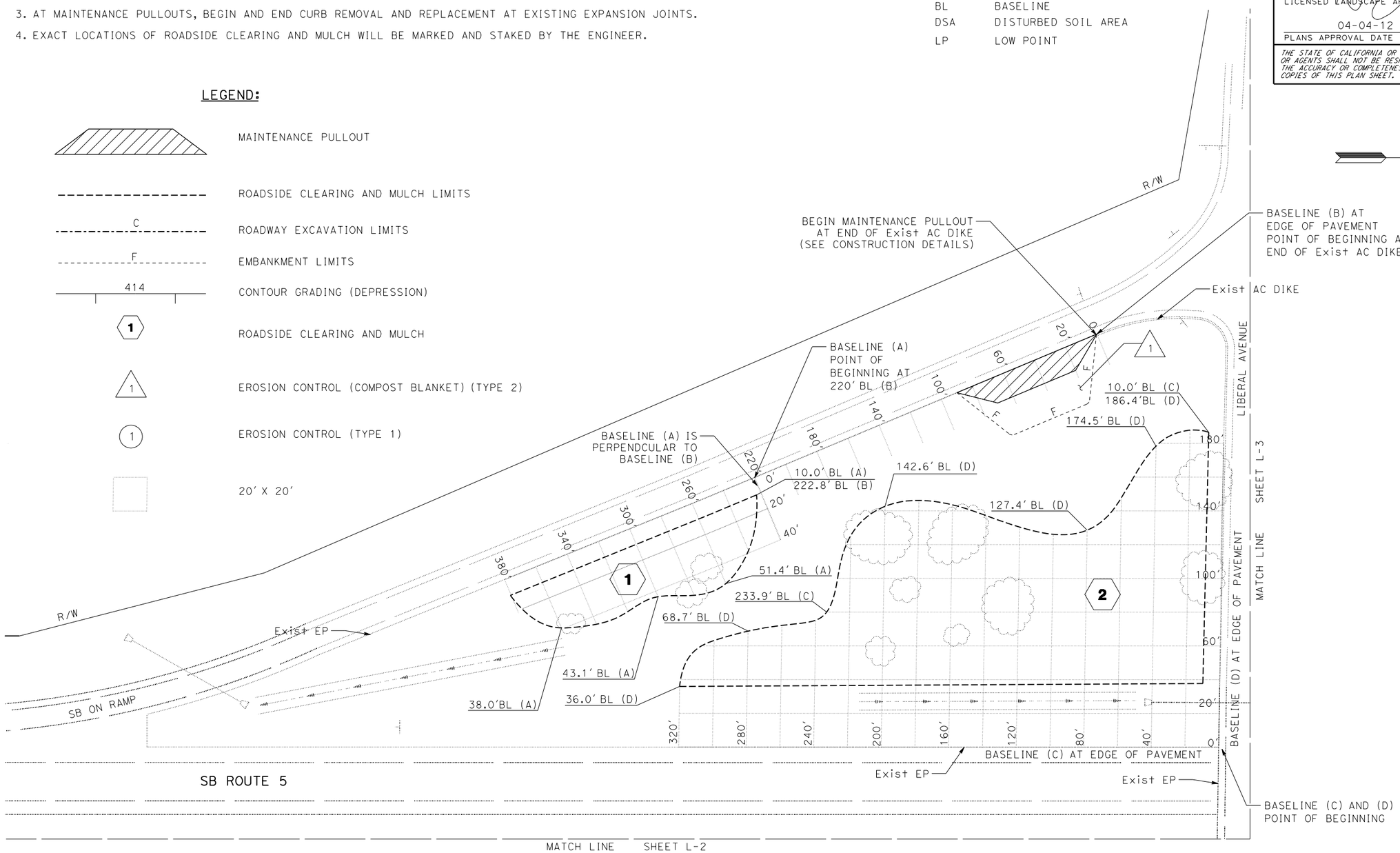
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ROADSIDE CLEARING SHALL NOT COMMENCE UNTIL LIMITS OF WORK ARE MARKED AND APPROVED BY THE ENGINEER
3. AT MAINTENANCE PULLOUTS, BEGIN AND END CURB REMOVAL AND REPLACEMENT AT EXISTING EXPANSION JOINTS.
4. EXACT LOCATIONS OF ROADSIDE CLEARING AND MULCH WILL BE MARKED AND STAKED BY THE ENGINEER.

ABBREVIATIONS:

BL	BASELINE
DSA	DISTURBED SOIL AREA
LP	LOW POINT

LEGEND:

- MAINTENANCE PULLOUT
- ROADSIDE CLEARING AND MULCH LIMITS
- C — ROADWAY EXCAVATION LIMITS
- F — EMBANKMENT LIMITS
- 414 — CONTOUR GRADING (DEPRESSION)
- 1 — ROADSIDE CLEARING AND MULCH
- 1 — EROSION CONTROL (COMPOST BLANKET) (TYPE 2)
- 1 — EROSION CONTROL (TYPE 1)
- 20' X 20'



LIBERAL AVENUE SOUTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-1

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

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SENIOR LANDSCAPE ARCHITECT: RON FLORY

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LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 STATE OF CALIFORNIA Signature 09-30-12 Renewal Date 04-04-12 Date

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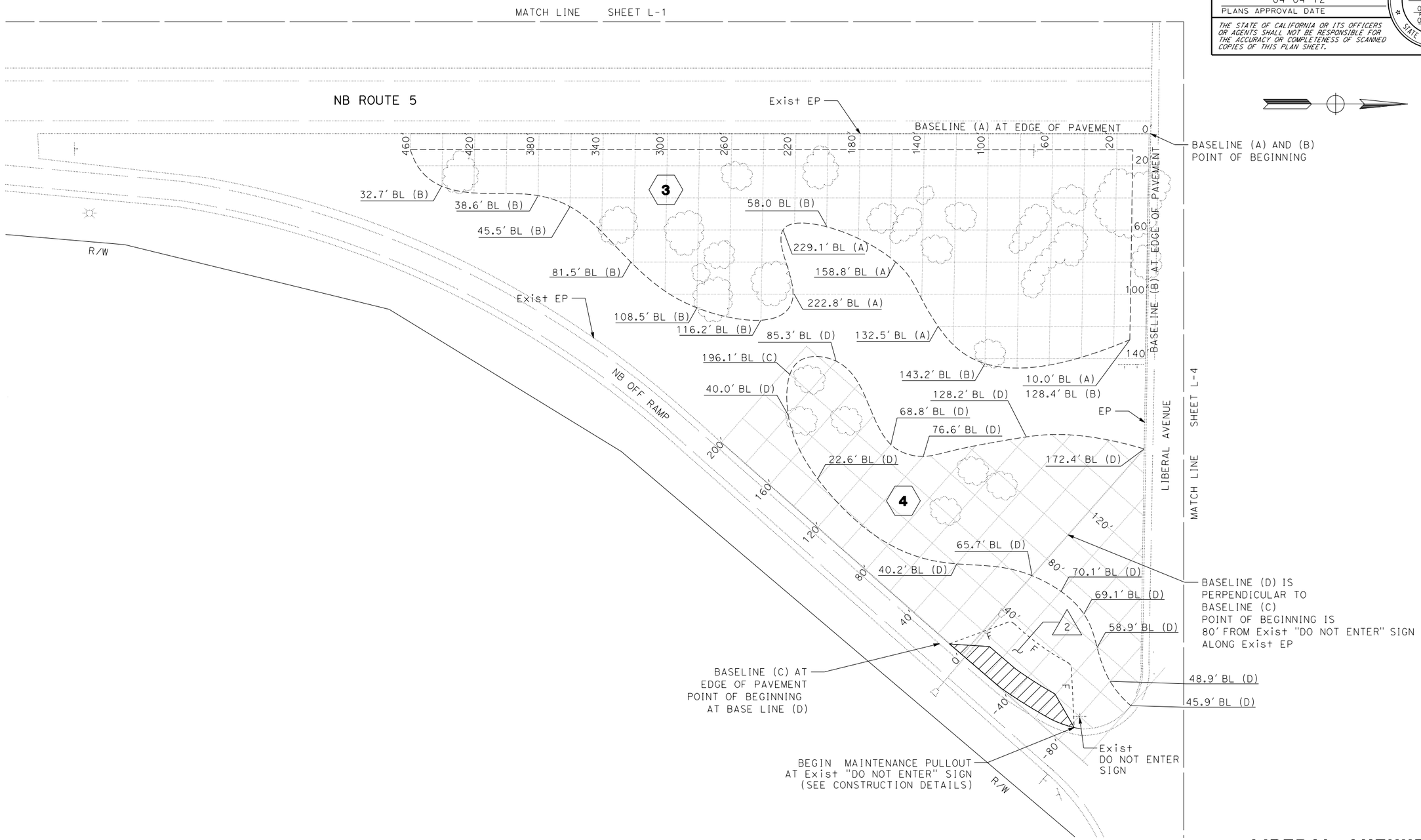

LIBERAL AVENUE SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-2

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LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

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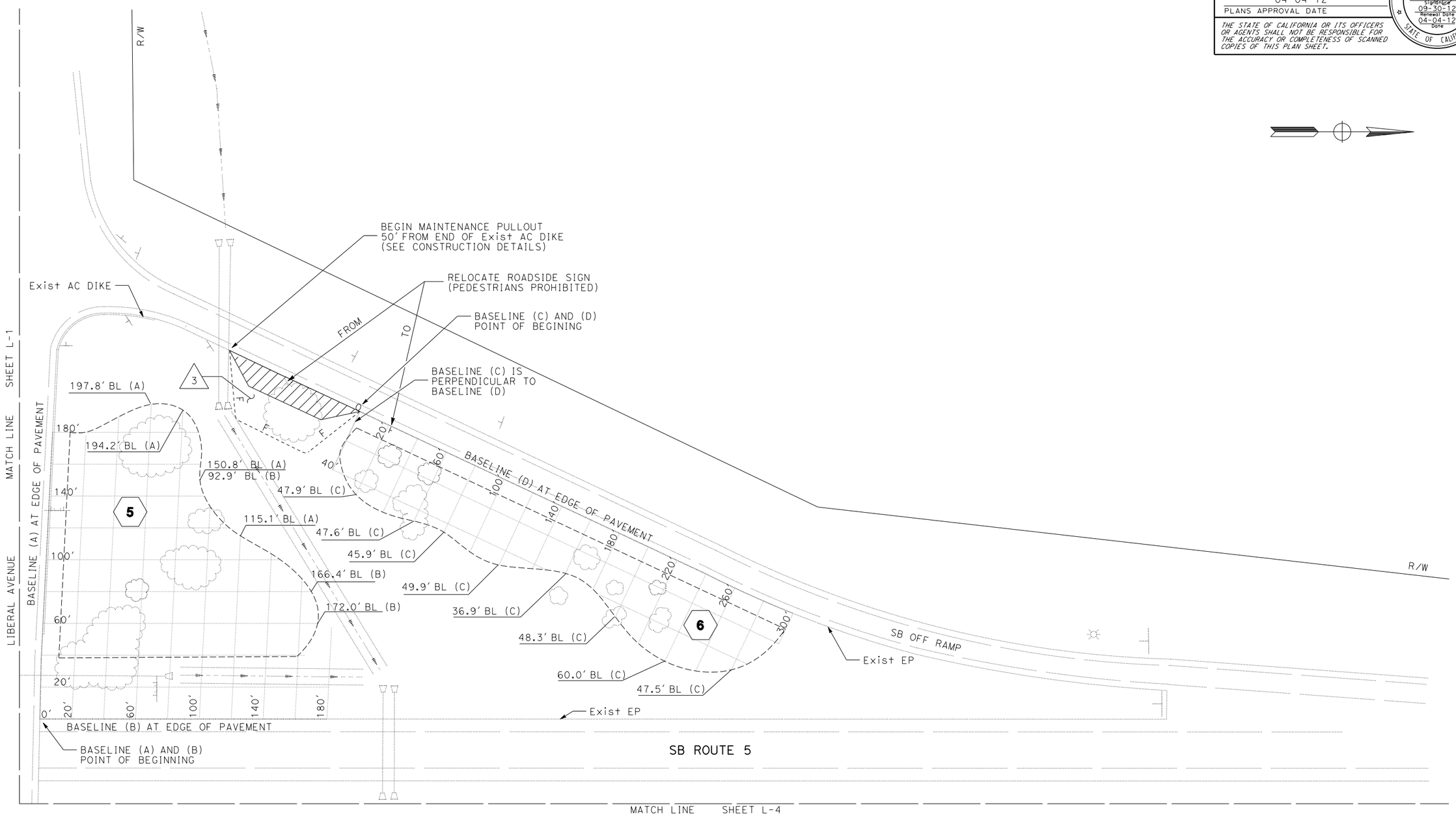

LIBERAL AVENUE NORTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-3

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ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY: RON FLORY
CHECKED BY: RON FLORY
SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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LICENSED LANDSCAPE ARCHITECT

04-04-12
PLANS APPROVAL DATE

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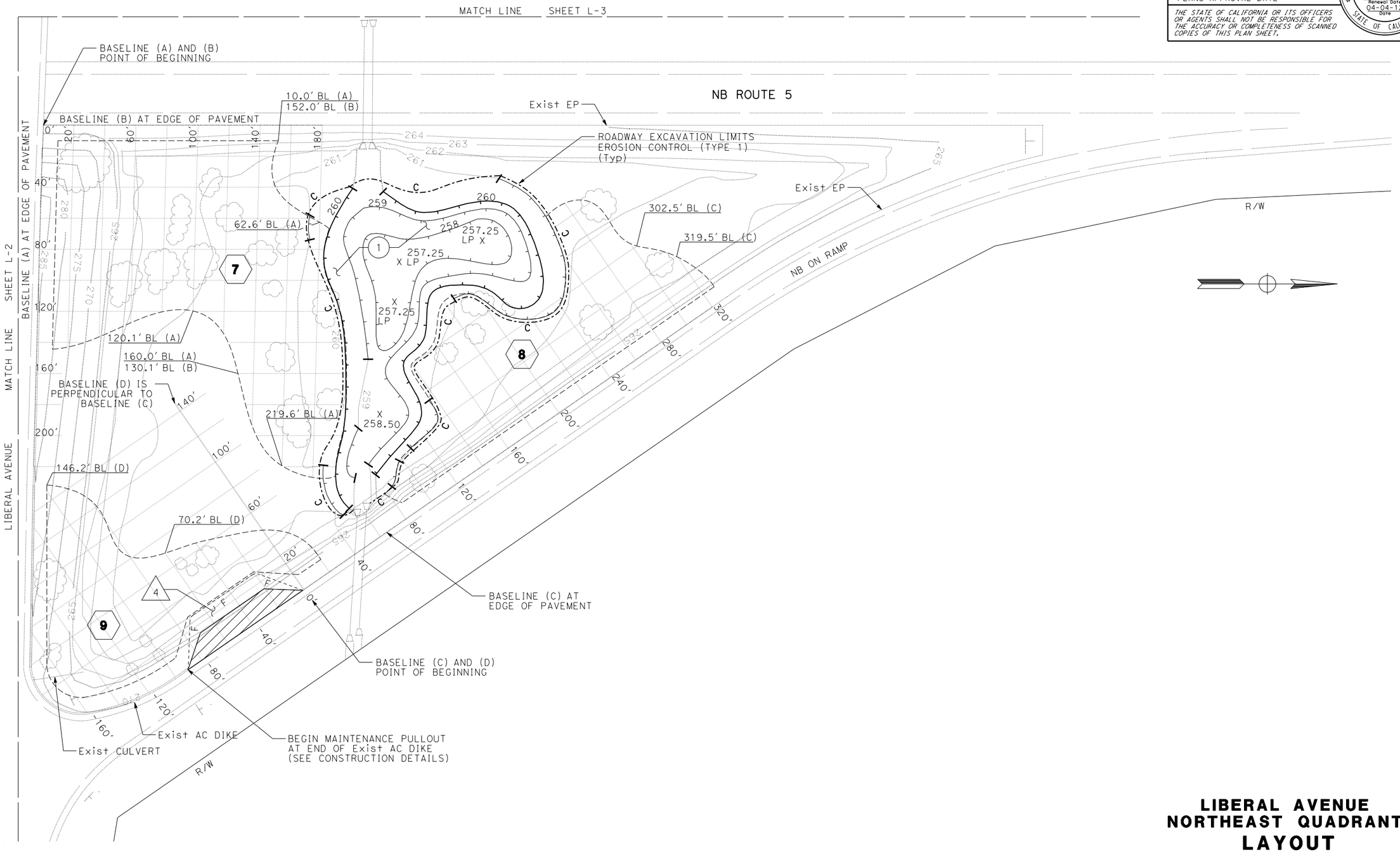

LIBERAL AVENUE NORTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-4

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CHECKED BY

SENIOR LANDSCAPE ARCHITECT
RON FLORY

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LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
RONALD MARTIN FLORY
#4981
Signature
09-30-12
Renewal Date
04-04-12
Date
STATE OF CALIFORNIA

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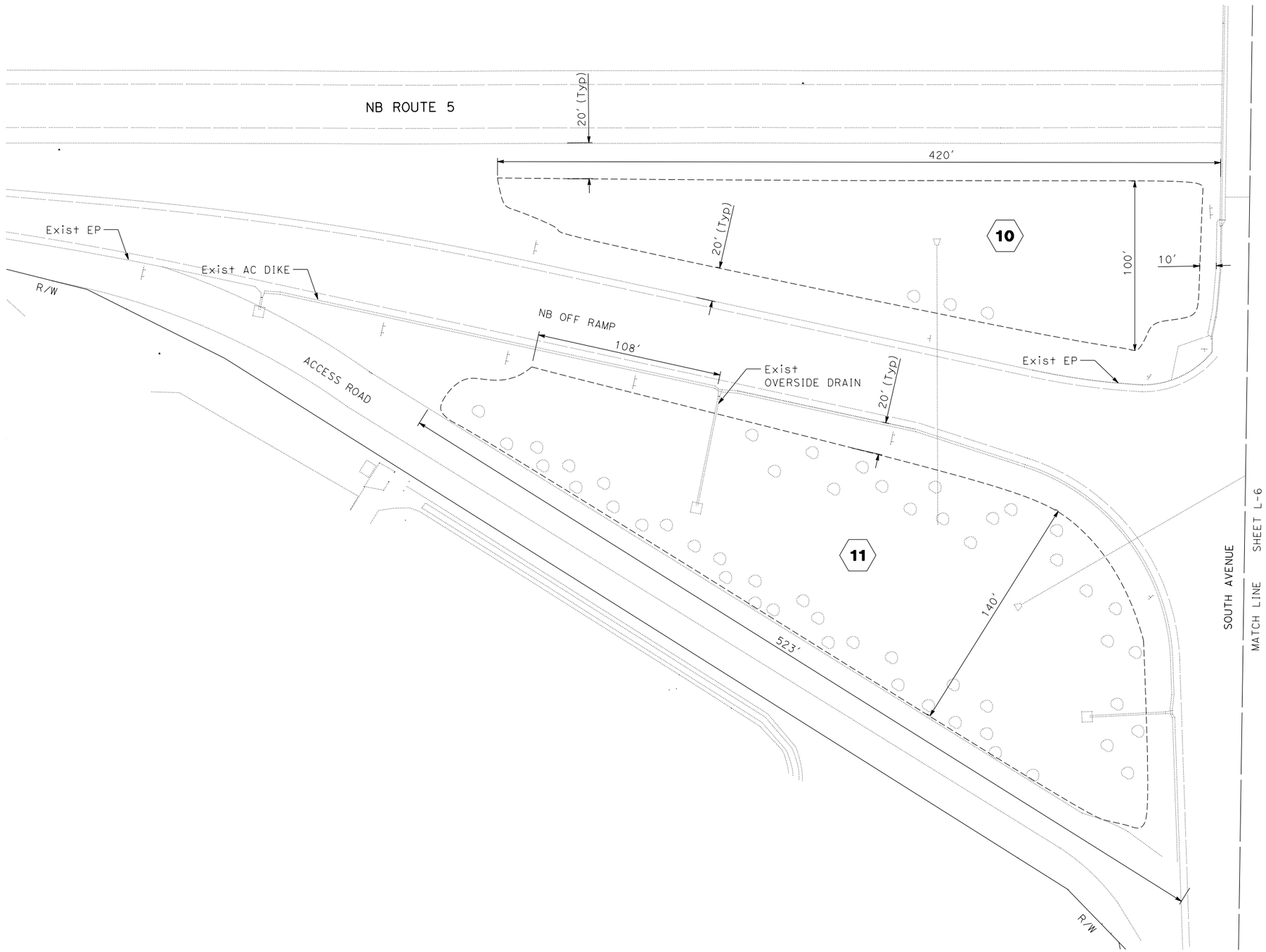

SOUTH AVENUE SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-5

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RON FLORY

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LICENSED LANDSCAPE ARCHITECT

04-04-12

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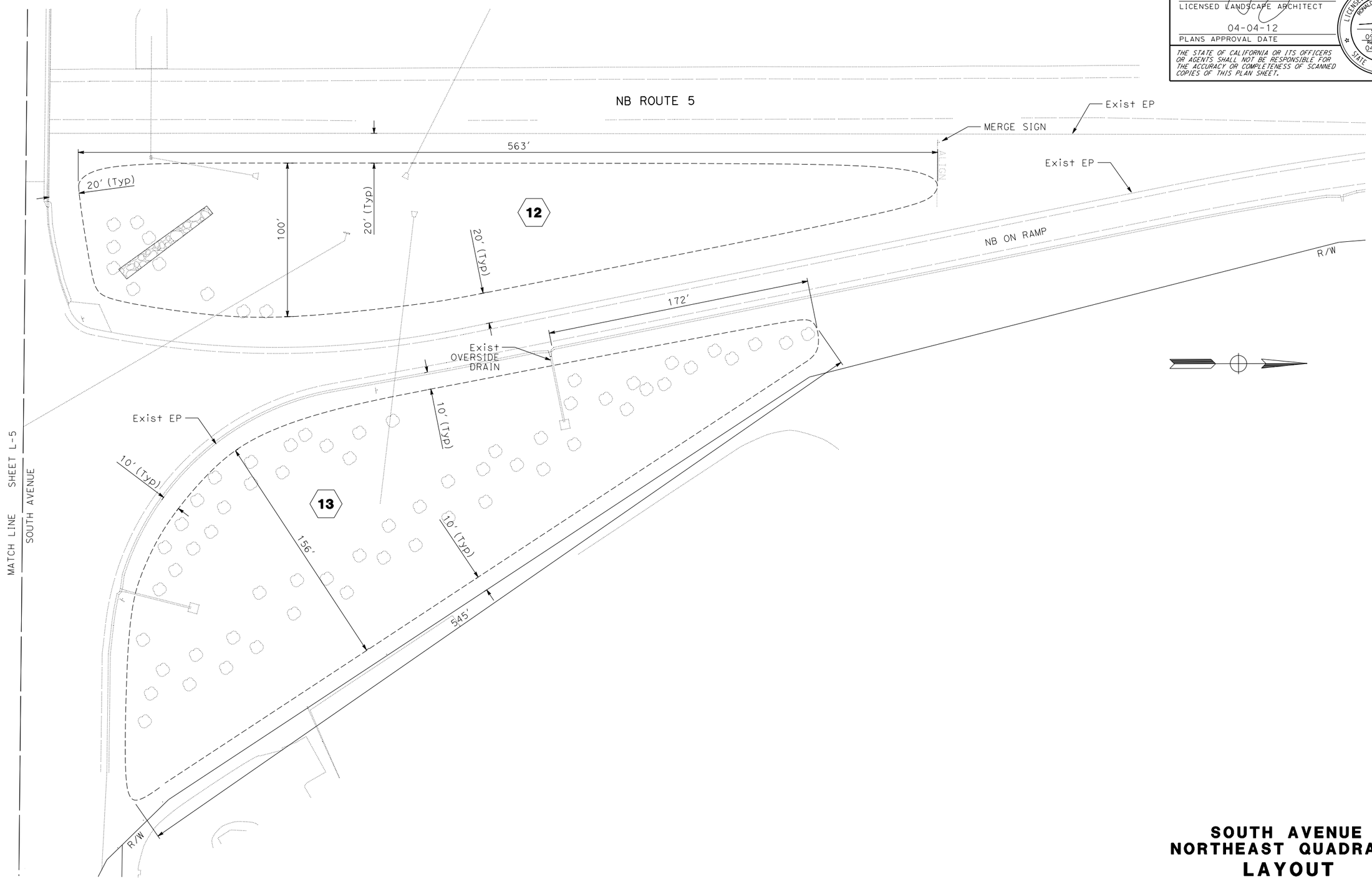

SOUTH AVENUE
NORTHEAST QUADRANT
LAYOUT

SCALE: 1" = 30'

L-6

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	8	41

LICENSED LANDSCAPE ARCHITECT

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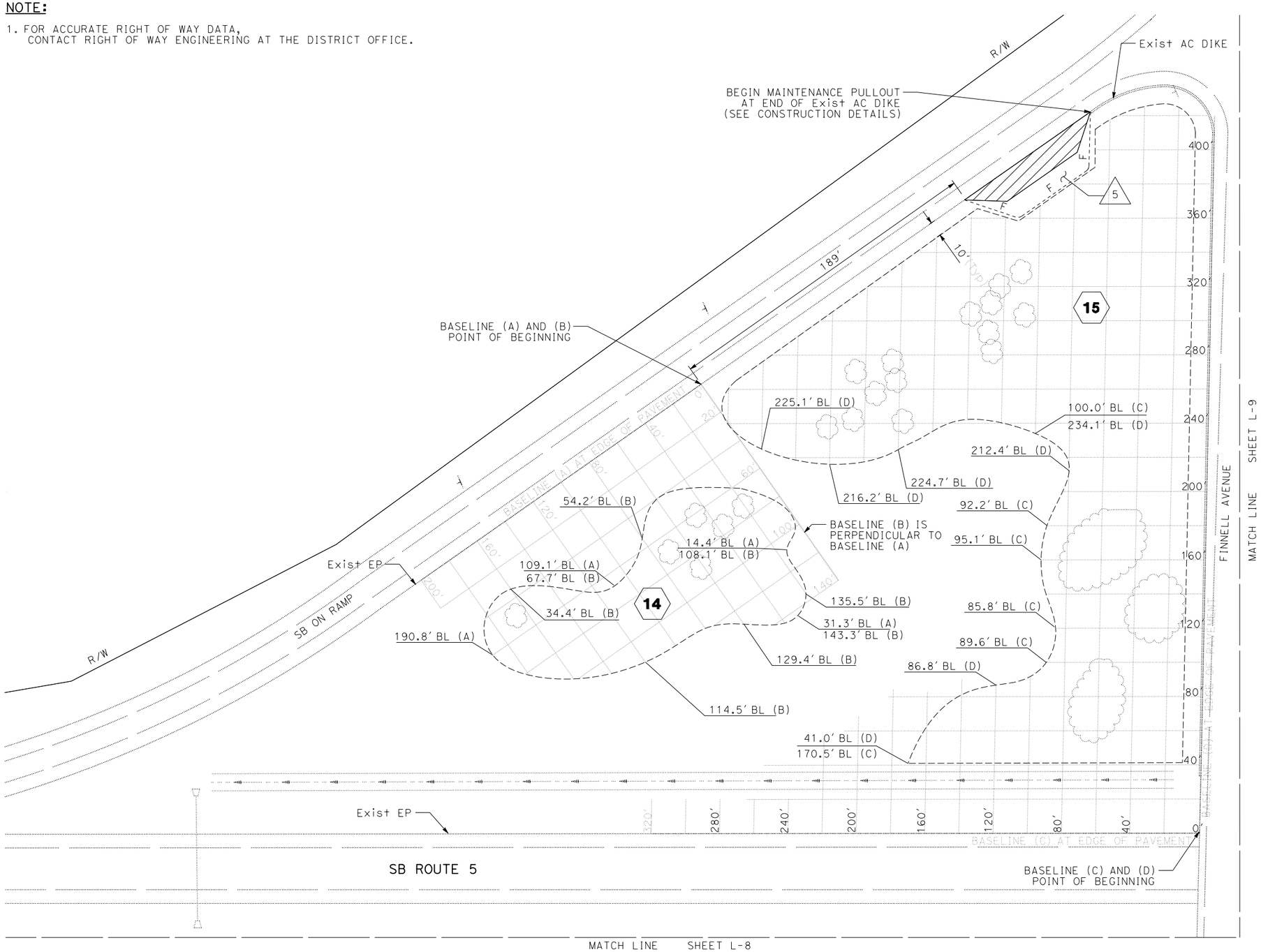

FINNELL AVENUE SOUTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-7

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CHECKED BY	RON FLORY

SENIOR LANDSCAPE ARCHITECT: RON FLORY

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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LICENSED LANDSCAPE ARCHITECT

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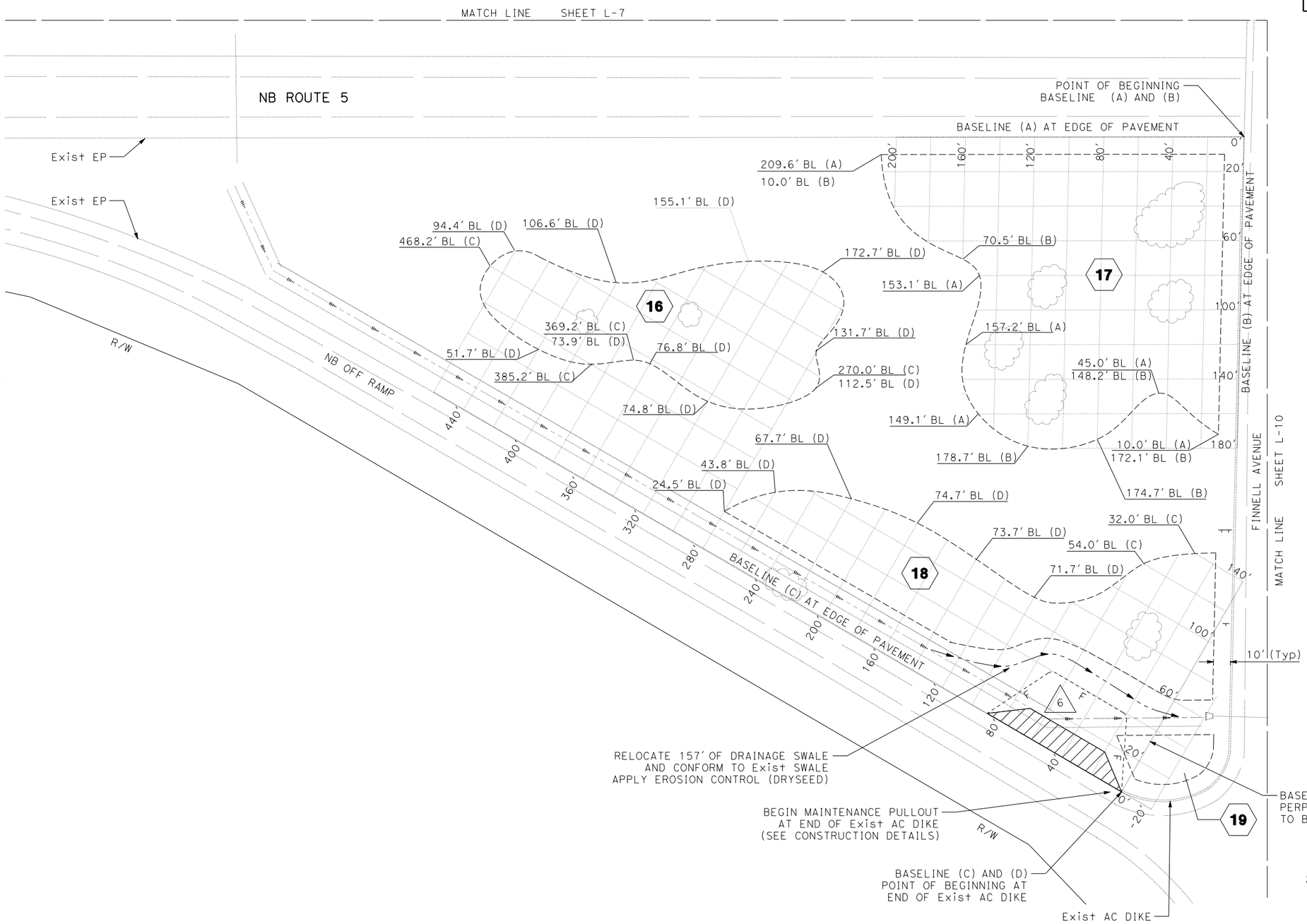

FINNELL AVENUE SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-8

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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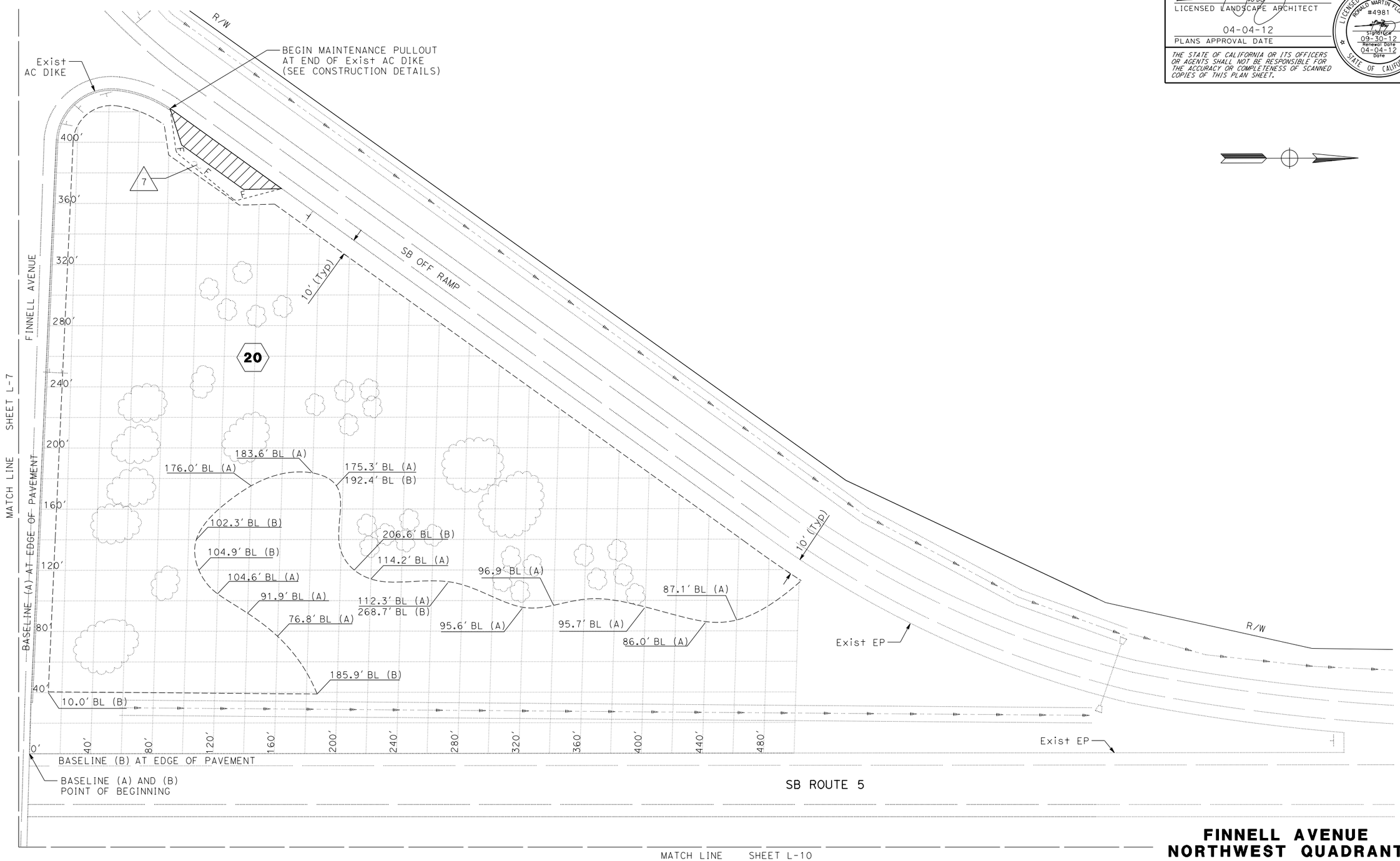

FINNELL AVENUE NORTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-9

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02	Teh	5	R5.6/42.1	11	41

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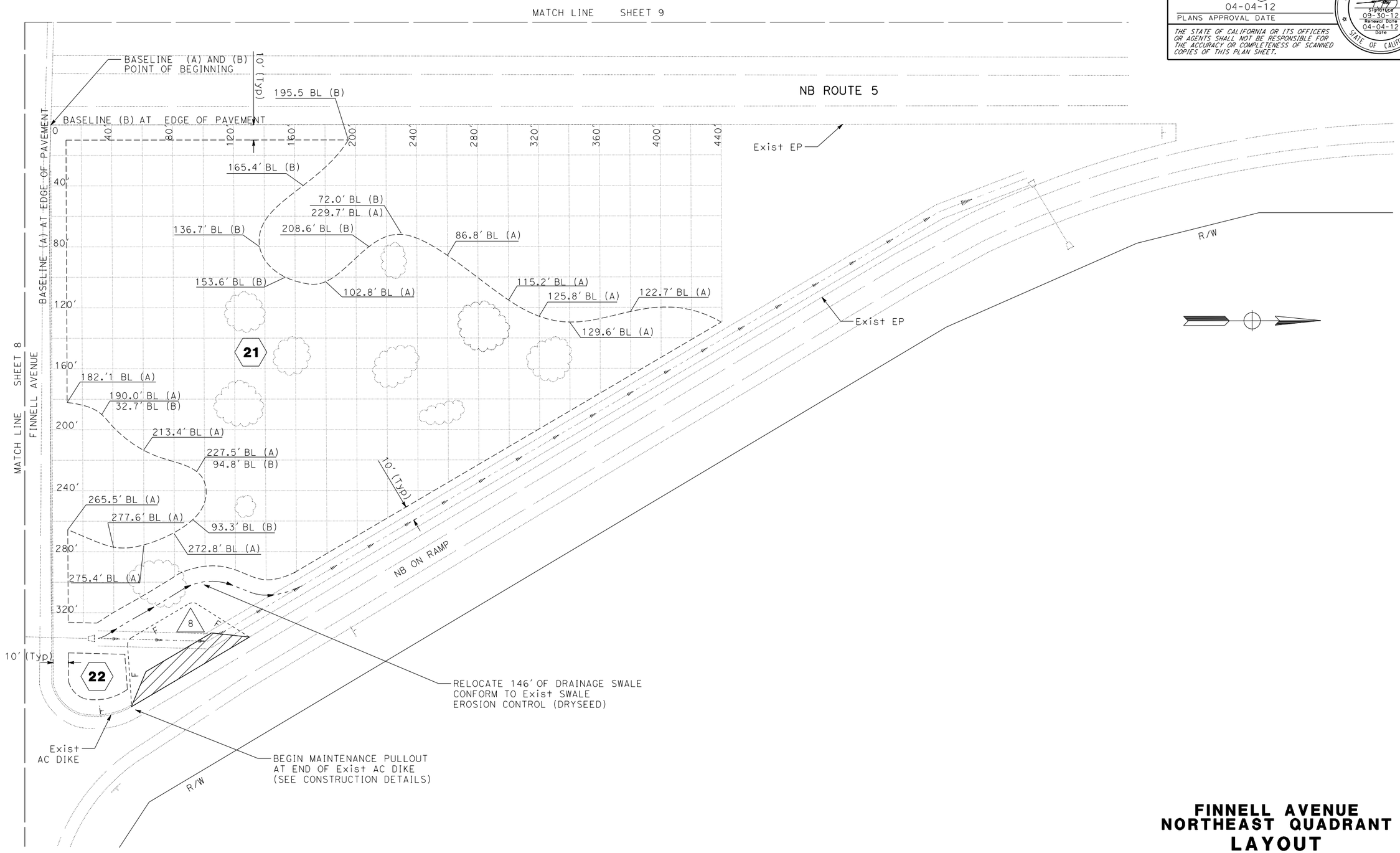

FINNELL AVENUE NORTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-10

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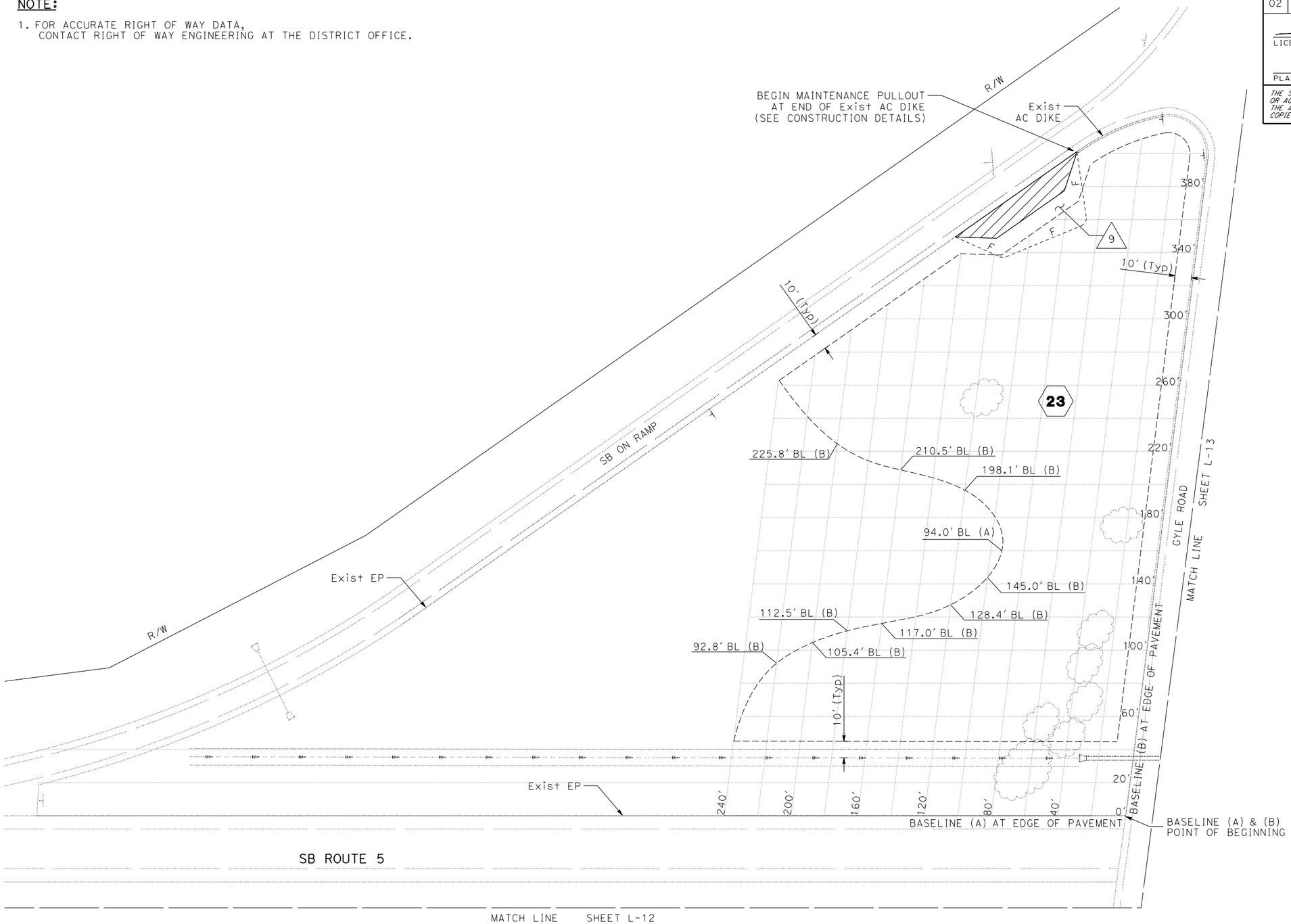

GYLE ROAD SOUTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-11

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LICENSED LANDSCAPE ARCHITECT

04-04-12
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LICENSED LANDSCAPE ARCHITECT
RONALD MARTIN FLORY
#4981
Signature
09-30-12
Renewal Date
04-04-12
Date
STATE OF CALIFORNIA

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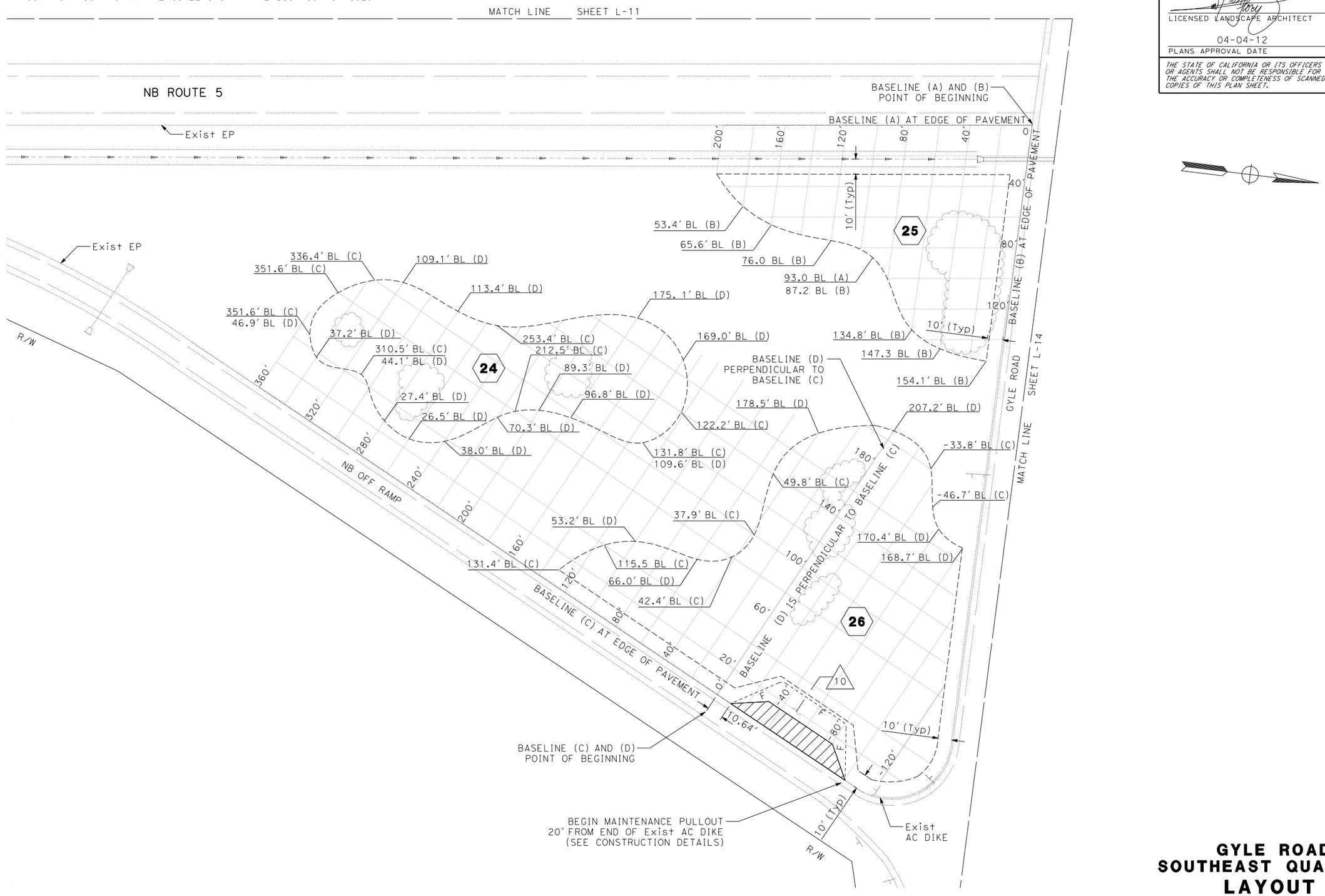

GYLE ROAD SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-12

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SENIOR LANDSCAPE ARCHITECT	RON FLORY

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LICENSED LANDSCAPE ARCHITECT

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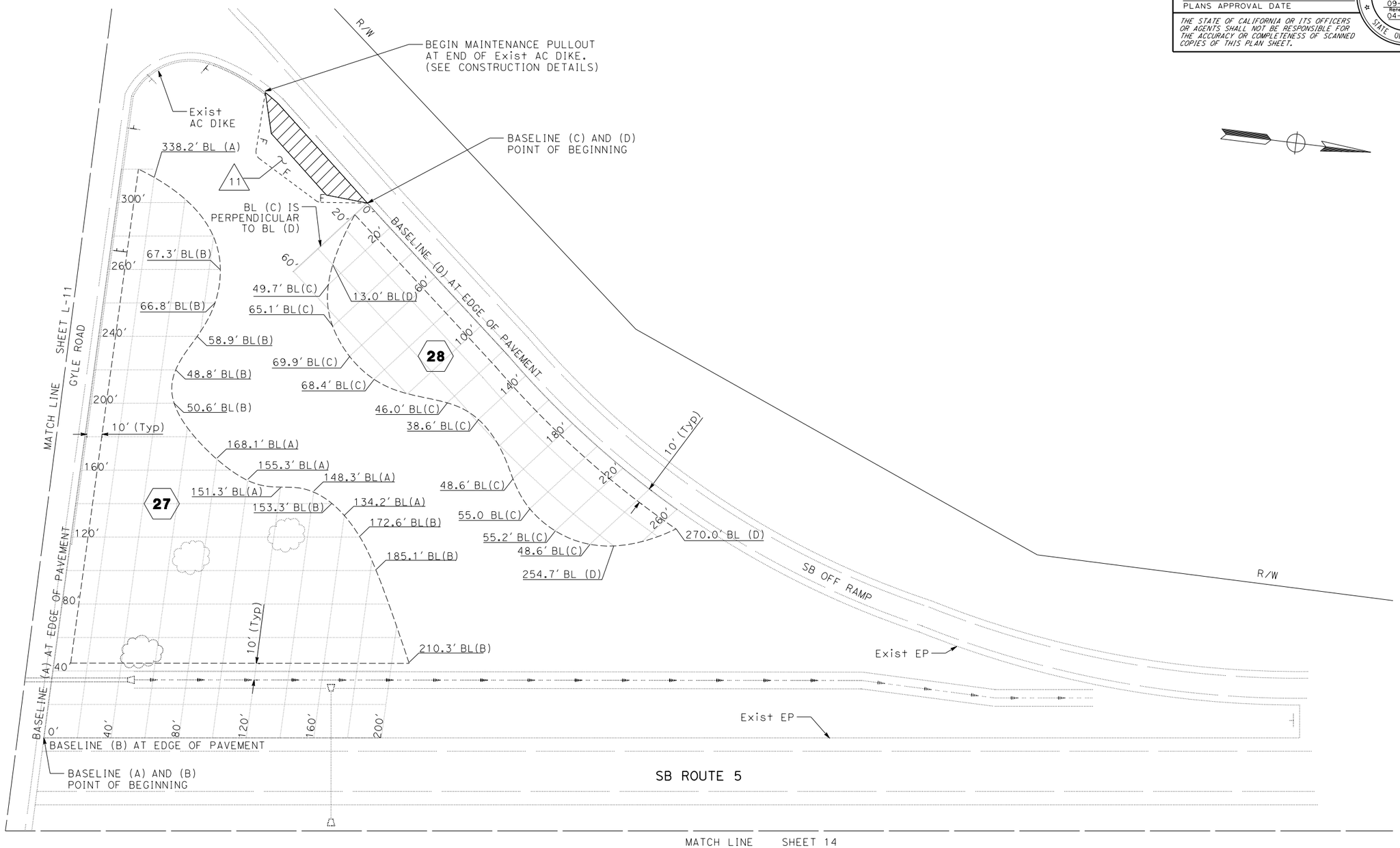

GYLE ROAD NORTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-13

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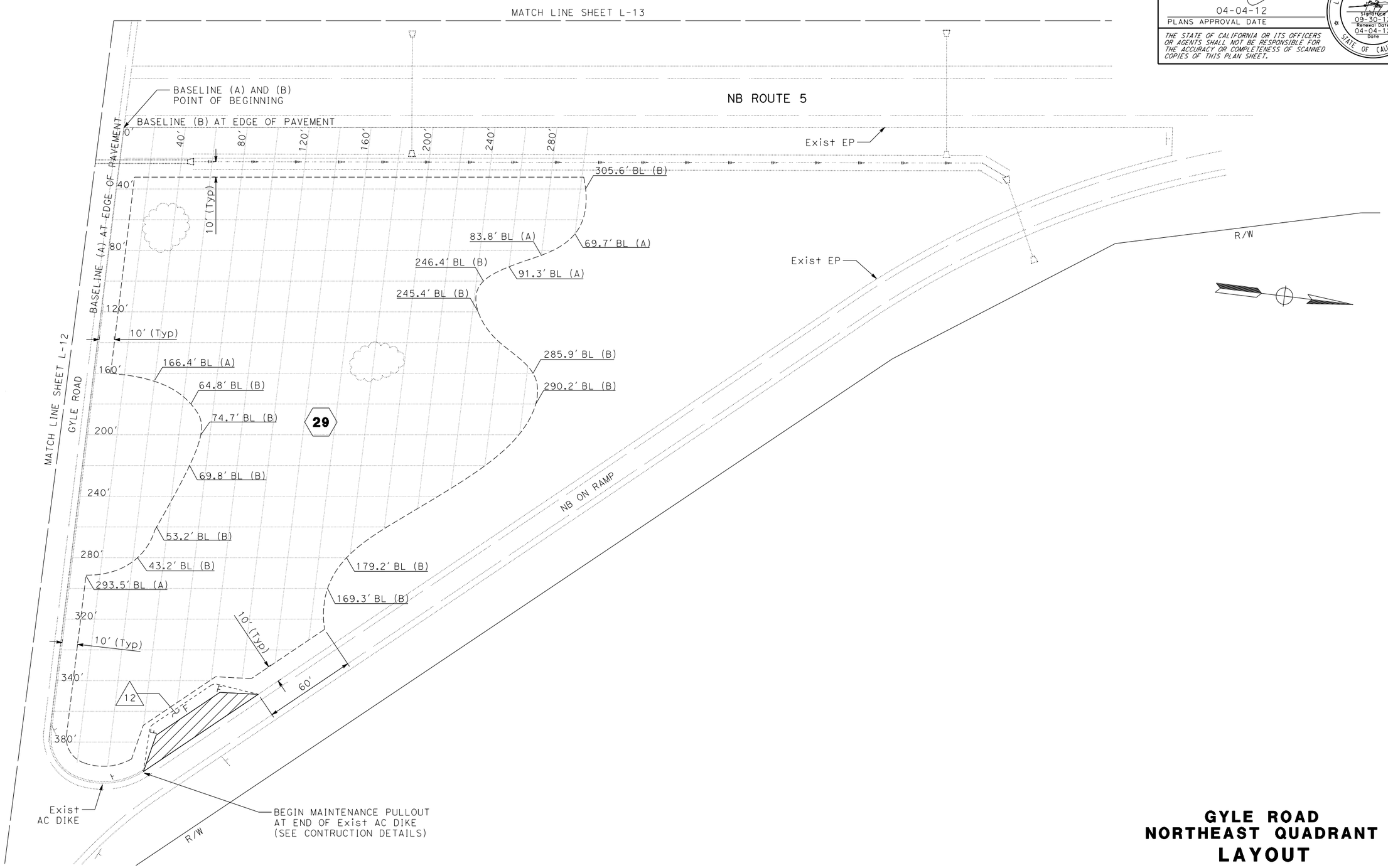

GYLE ROAD NORTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-14

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY	CHECKED BY

SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® LANDSCAPE ARCHITECTURE

P:\proj2\02\0E450_plans\pse\20e450ea014.dgn

LAST REVISION 01-31-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	16	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 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.

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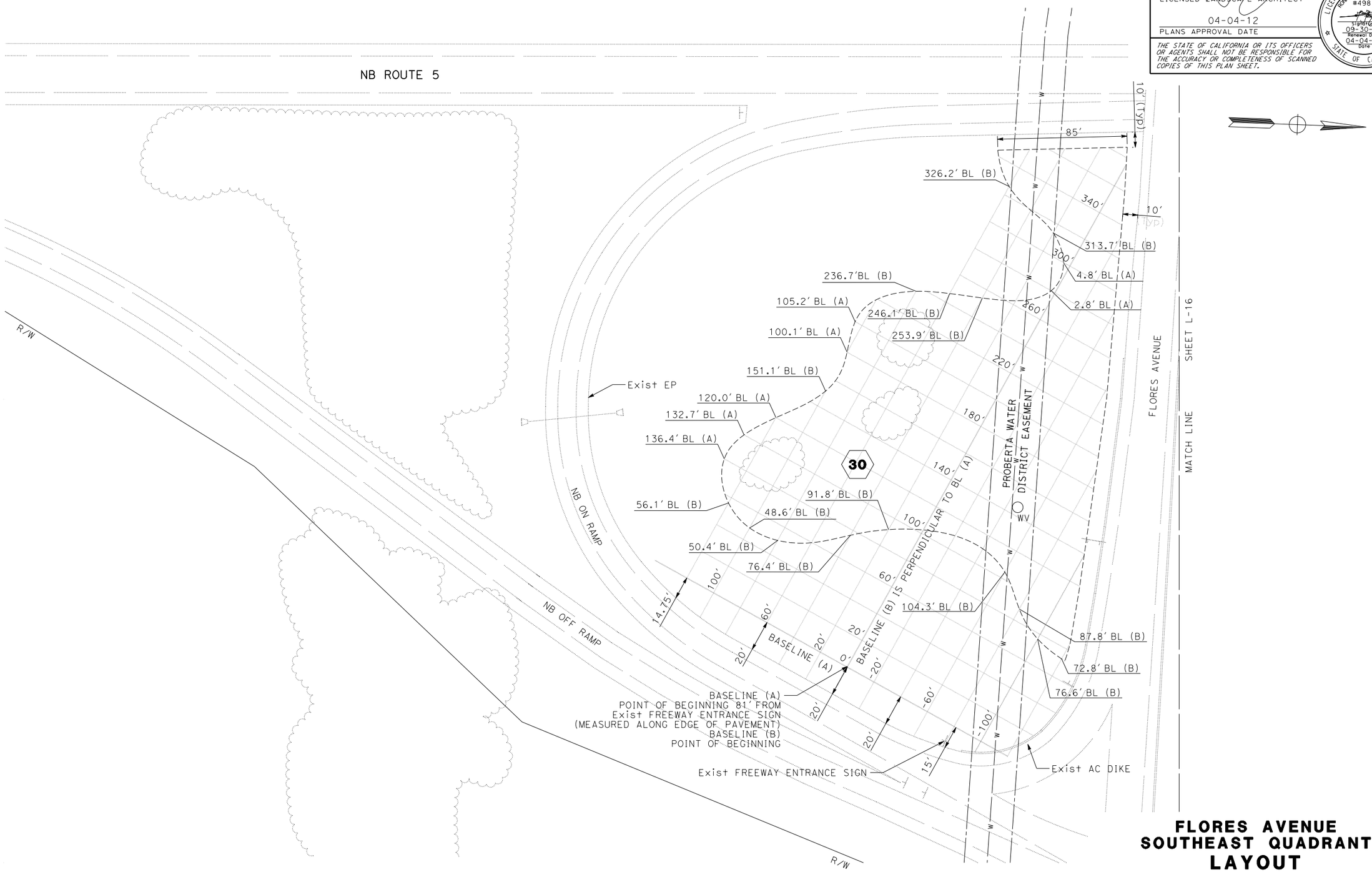

FLORES AVENUE SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-15

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 01-31-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tem	5	R5.6/42.1	17	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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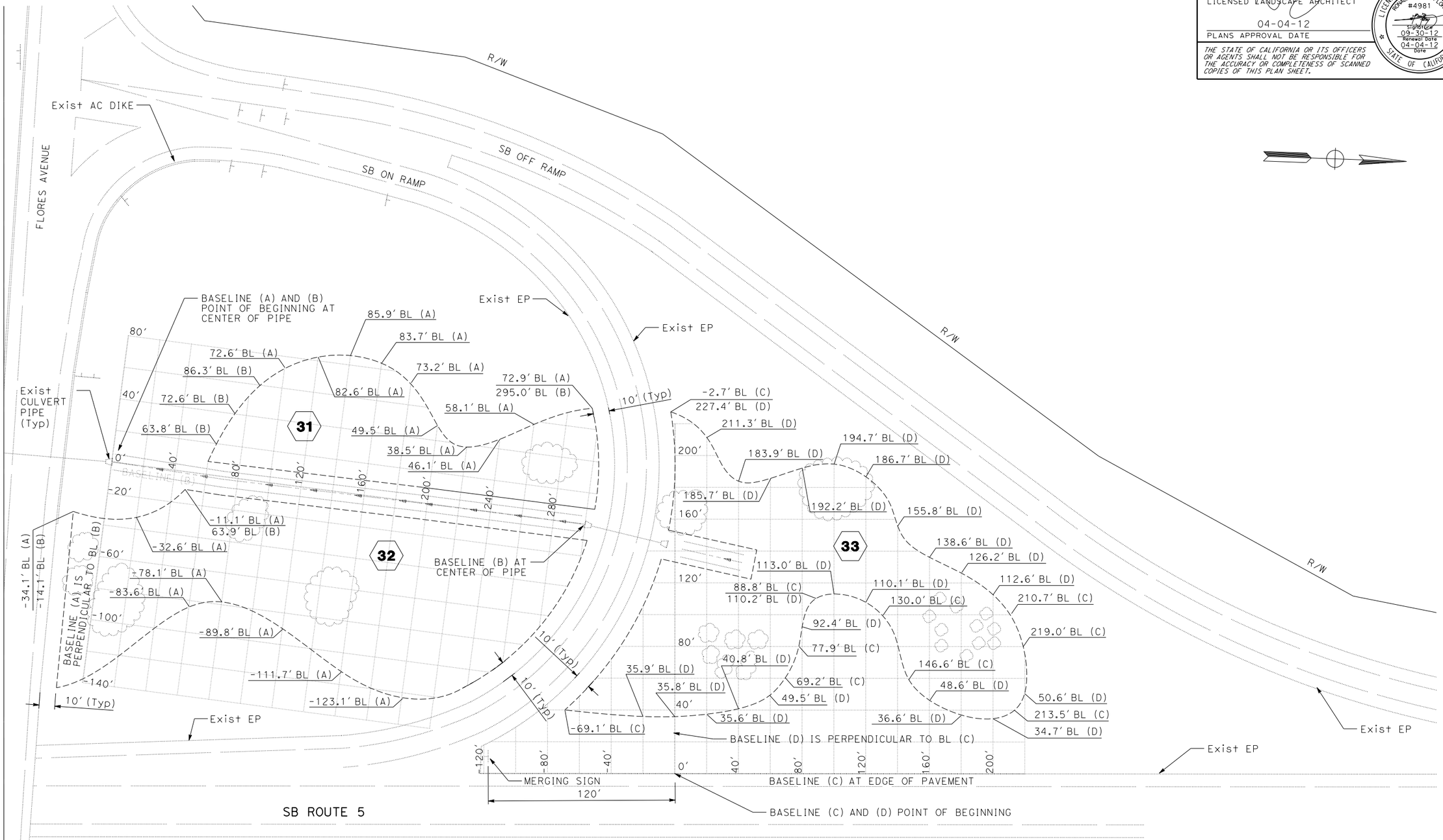

FLORES AVENUE NORTHWEST QUADRANT

LAYOUT

SCALE: 1" = 30'

L-16

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY / CHECKED BY

SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LANDSCAPE ARCHITECTURE

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LAST REVISION 01-31-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	18	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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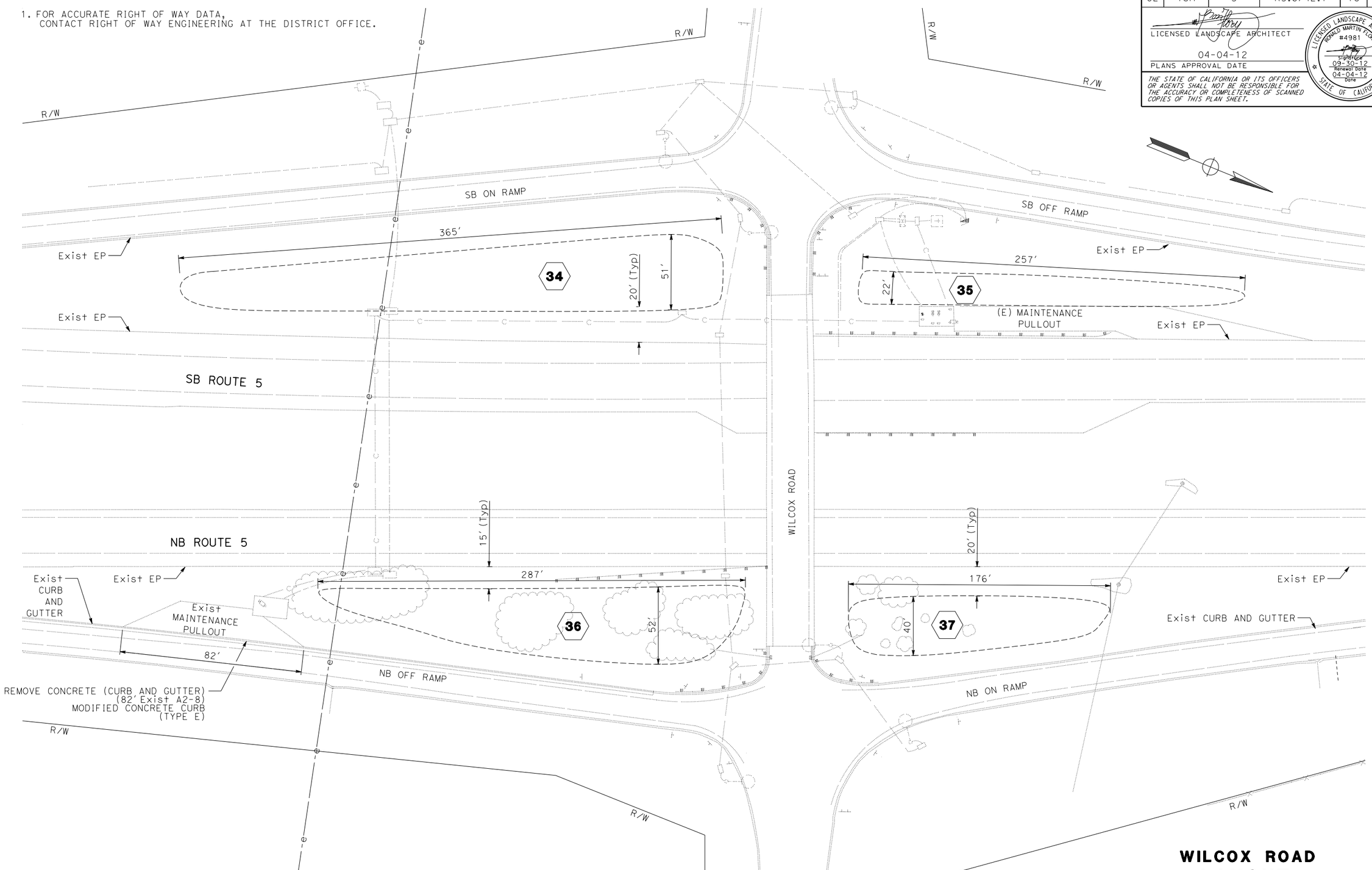

WILCOX ROAD LAYOUT

SCALE: 1" = 30'

L-17

REVISED BY | DATE REVISED

ROBIN SOLARI | RON FLORY

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT | RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 01-31-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	19	41

LICENSED LANDSCAPE ARCHITECT
04-04-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
RONALD MARTIN FLORY
#4981
Signature
09-30-12
Renewal Date
04-04-12
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.

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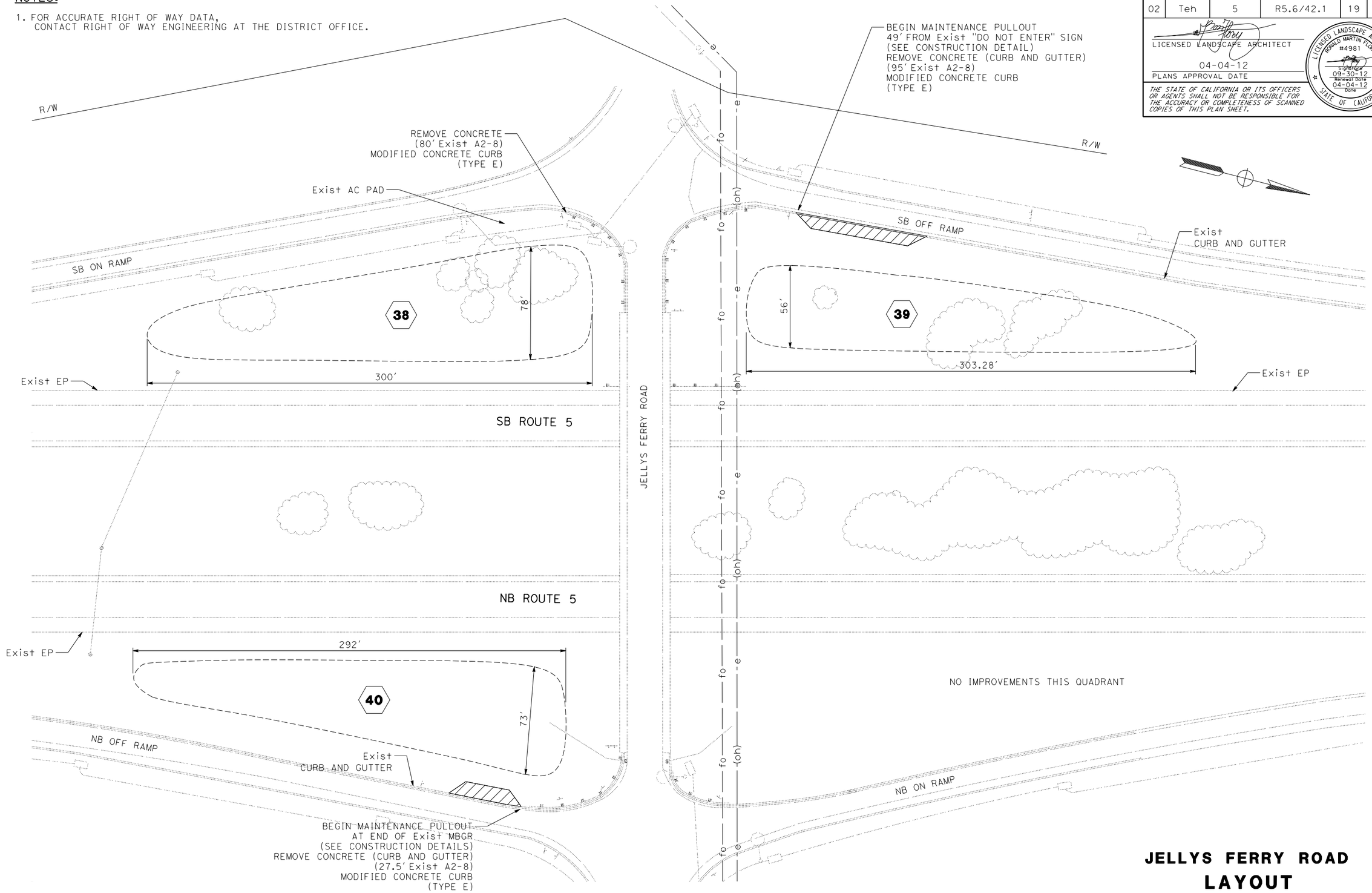

JELLYS FERRY ROAD
LAYOUT

SCALE: 1" = 30'

L-18

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY (PB)
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 01-31-12
DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

BORDER LAST REVISED 7/2/2010
USERNAME => s115152
DGN FILE => 20e450ea018.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0382
PROJECT NUMBER & PHASE 02000200651

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	20	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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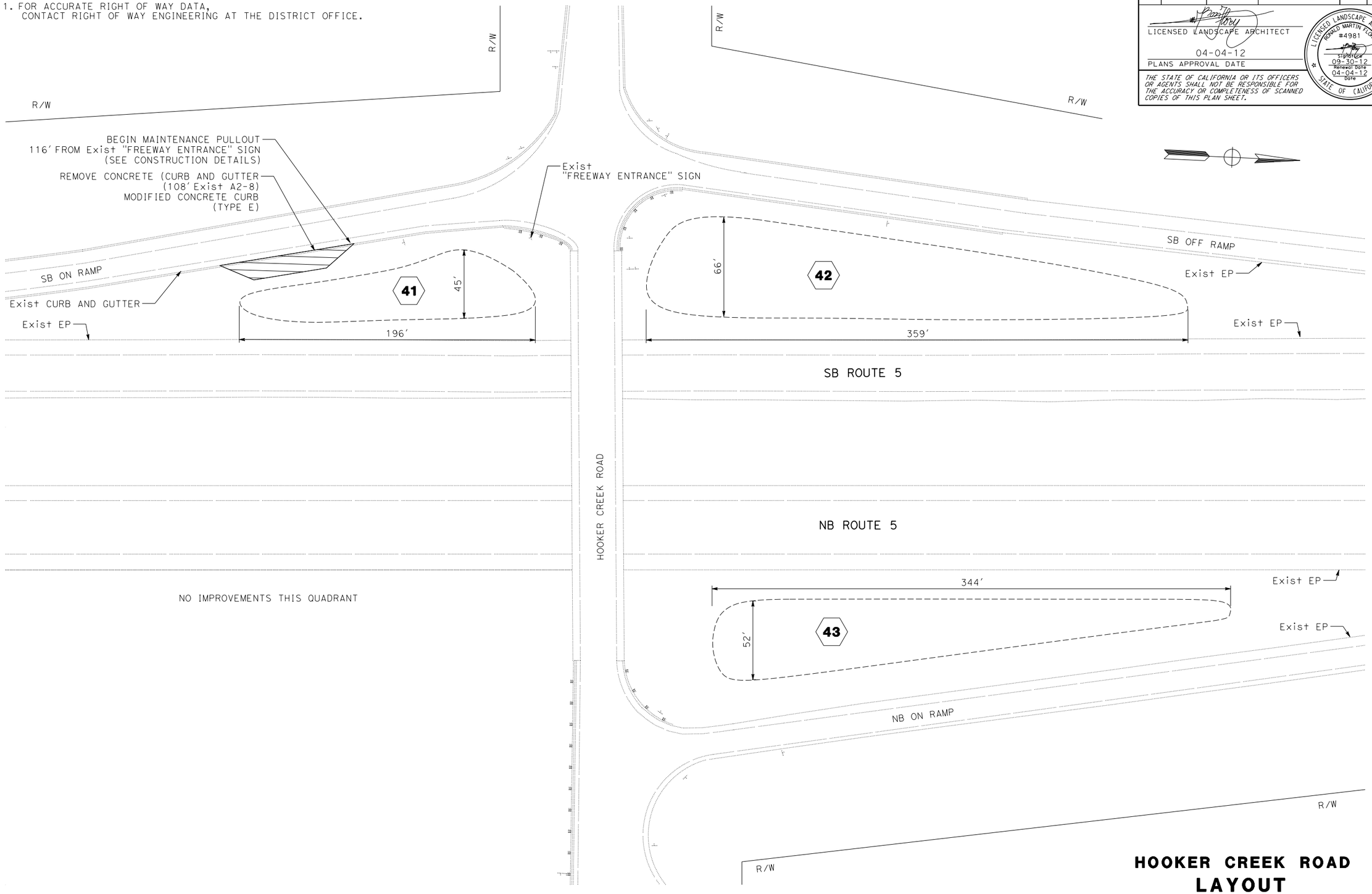

HOOKER CREEK ROAD LAYOUT

SCALE: 1" = 30'

L-19

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-01-12

DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	21	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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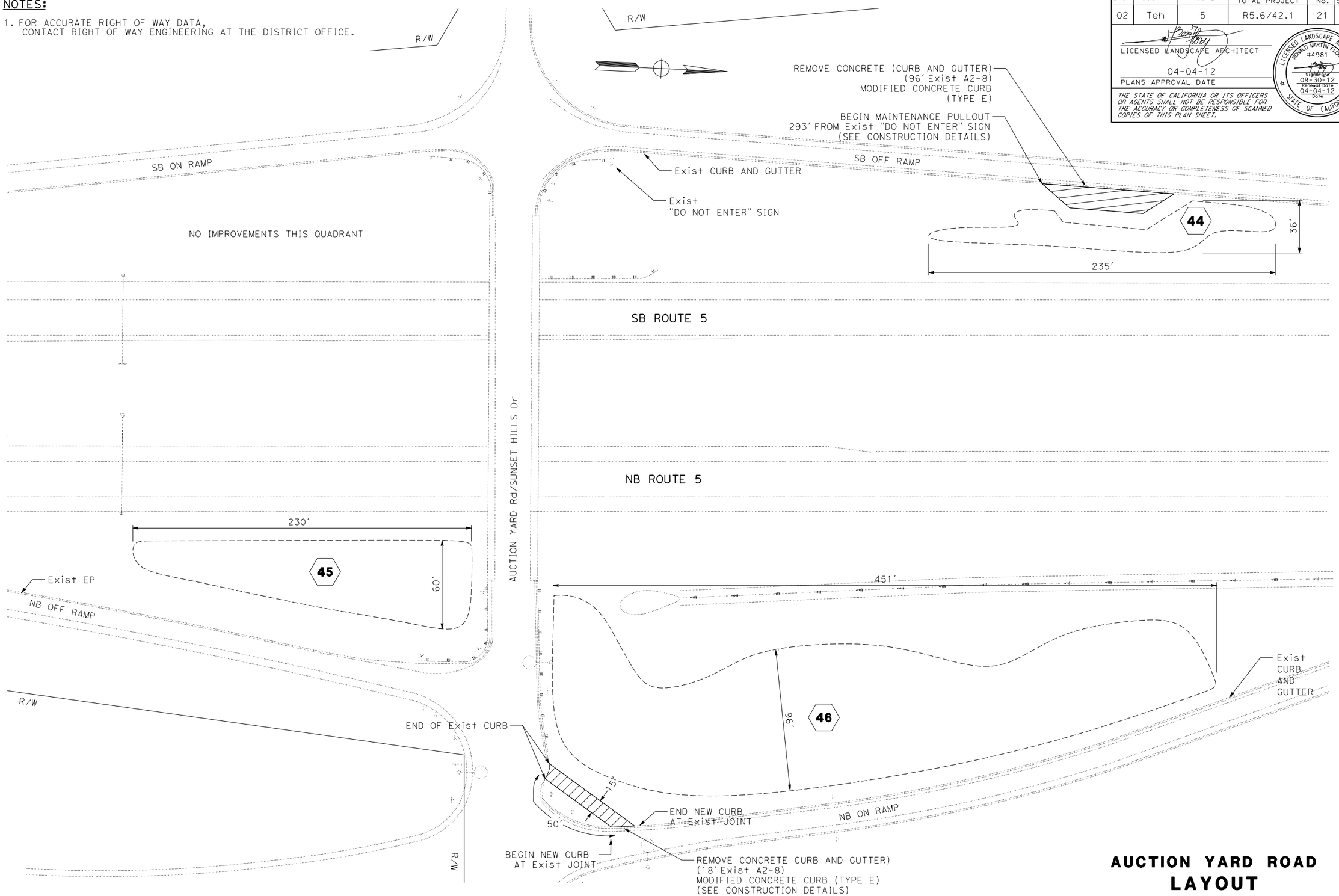

AUCTION YARD ROAD
LAYOUT
SCALE: 1" = 30'

L-20

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-01-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	22	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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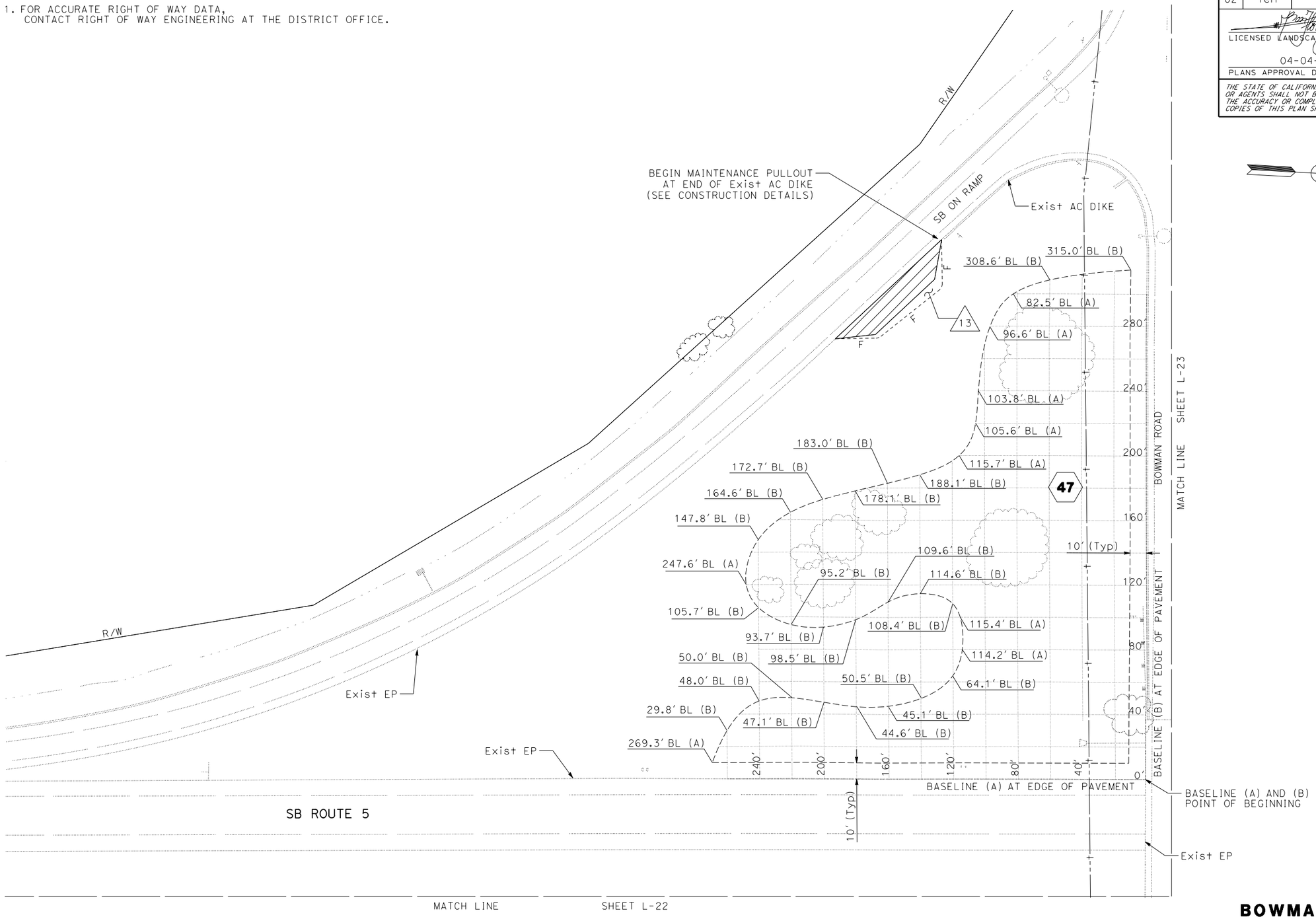

BOWMAN ROAD SOUTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L- 21

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY: ROBIN SOLARI
CHECKED BY: RON FLORY
SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-01-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tehama	5	R5.6/42.1	23	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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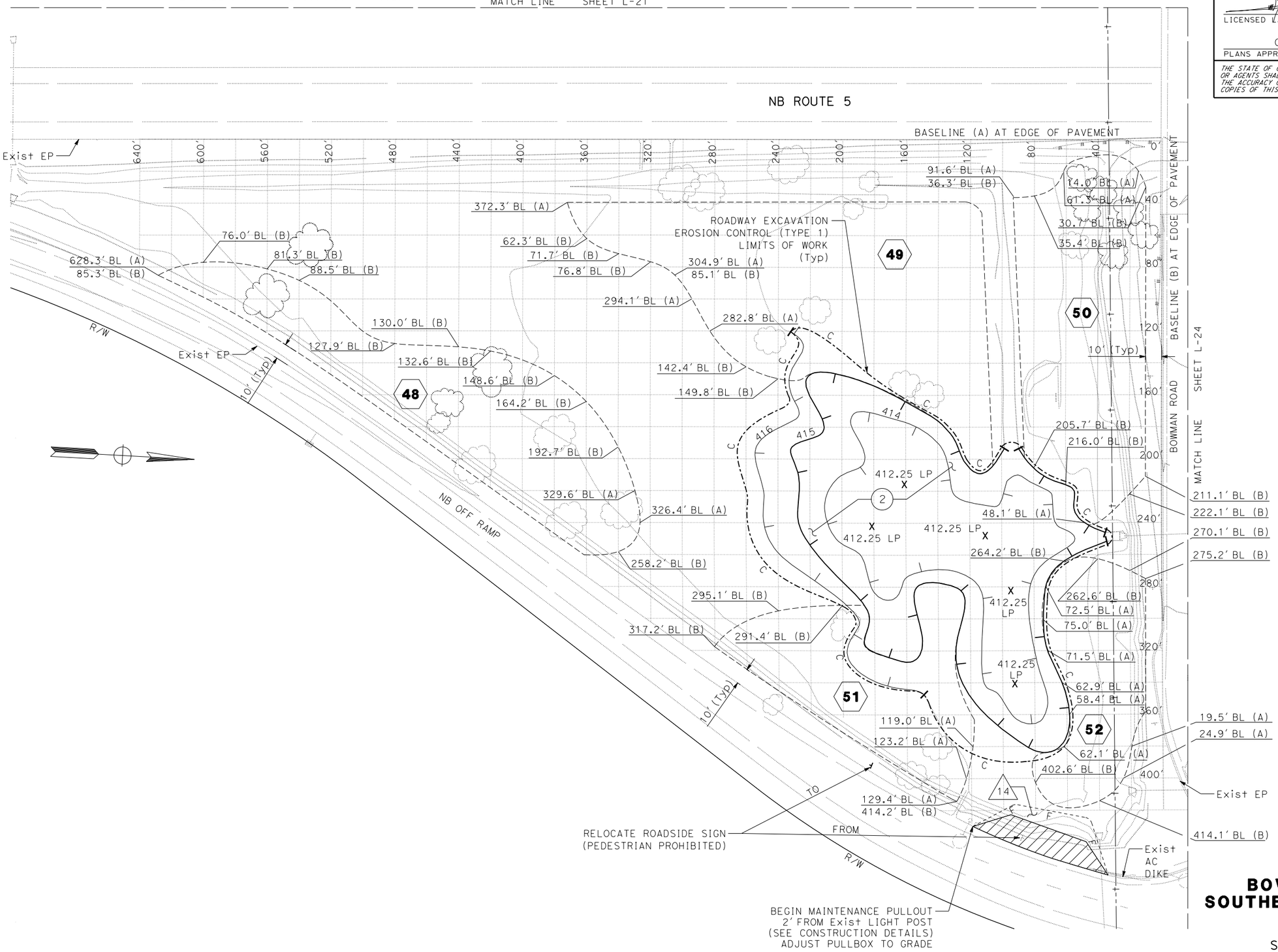

BOWMAN ROAD SOUTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-22

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY
CALCULATED-DESIGNED BY	CHECKED BY
SENIOR LANDSCAPE ARCHITECT	RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-01-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	24	41

LICENSED LANDSCAPE ARCHITECT

04-04-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
RONALD MARTIN FLORY
#4981
Signature
09-30-12
Renewal Date
04-04-12
Date
STATE OF CALIFORNIA

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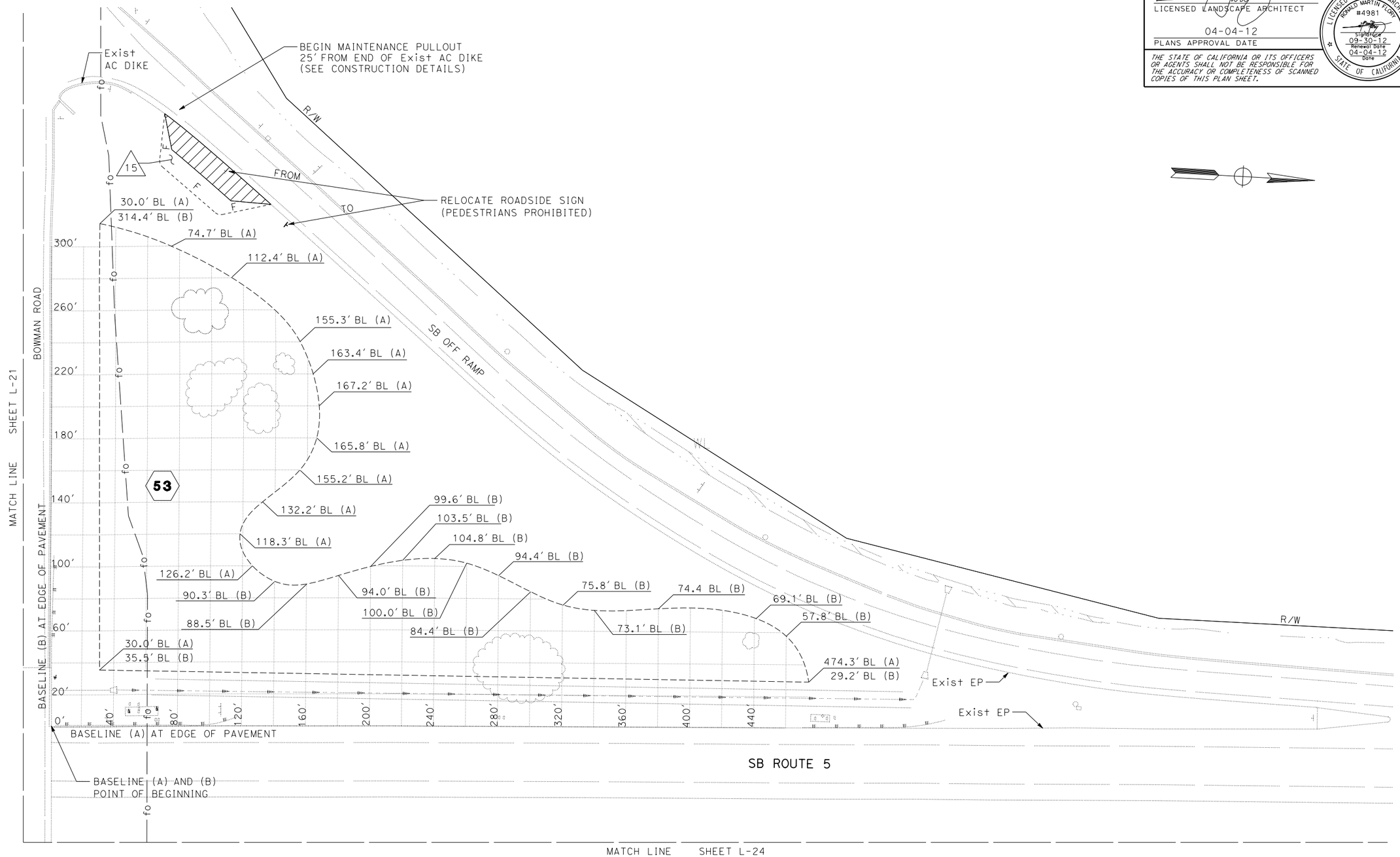

BOWMAN ROAD NORTHWEST QUADRANT LAYOUT

SCALE: 1" = 30'

L-23

LAST REVISION 02-01-12
DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY: ROBIN SOLARI
CHECKED BY: RON FLORY
SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	25	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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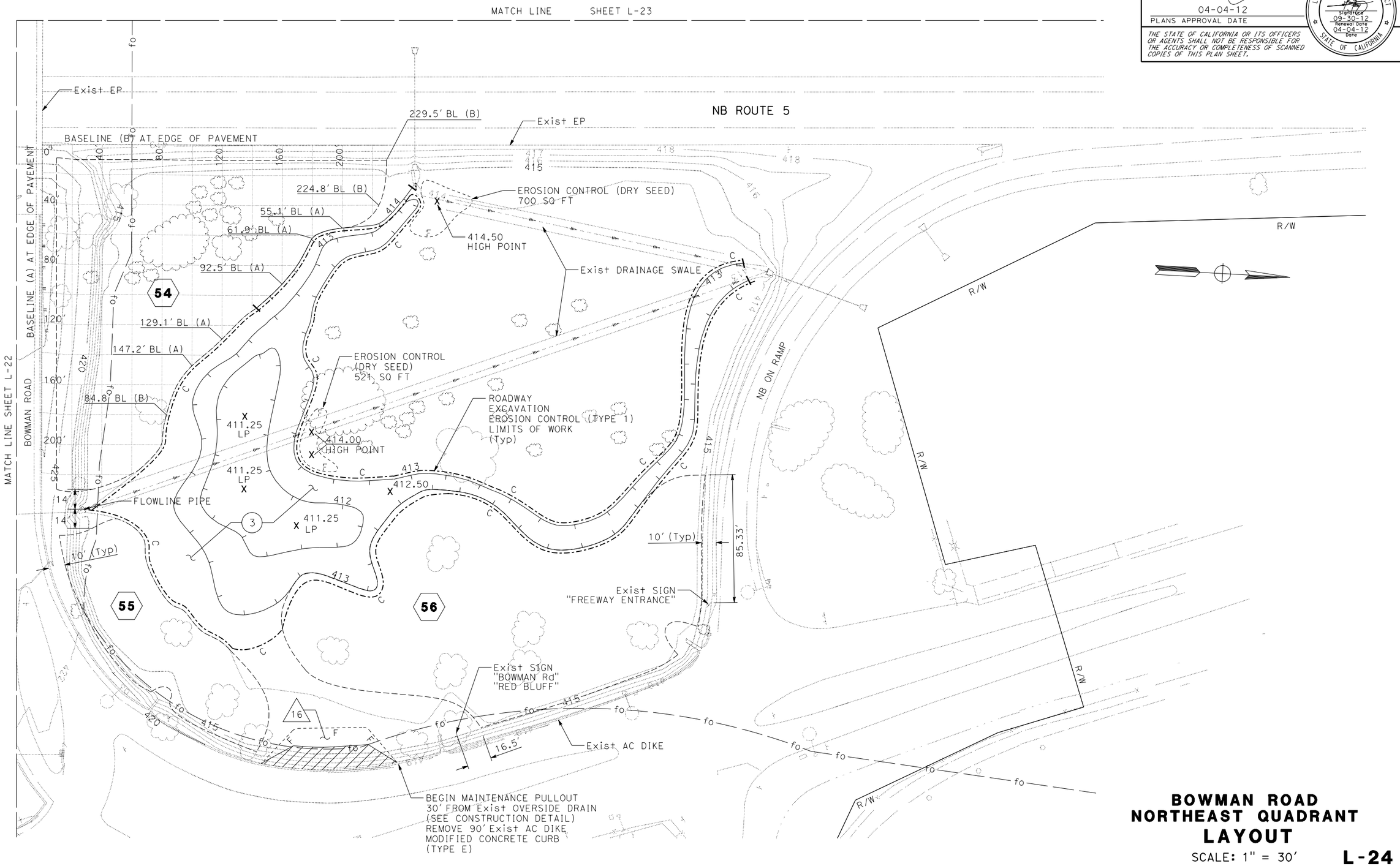

BOWMAN ROAD NORTHEAST QUADRANT LAYOUT

SCALE: 1" = 30'

L-24

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY

CHECKED BY

SENIOR LANDSCAPE ARCHITECT RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-01-12

DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

BORDER LAST REVISED 7/2/2010

USERNAME => s115152
DGN FILE => 20e450ea024.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0382

PROJECT NUMBER & PHASE 02000200651

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	26	41

Michael J. Mogen 04-04-12
REGISTERED CIVIL ENGINEER DATE

04-04-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIKE MOGEN No. 67018 Exp. 09-30-12 CIVIL STATE OF CALIFORNIA

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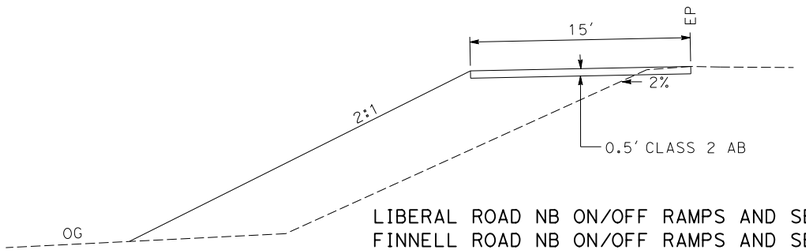
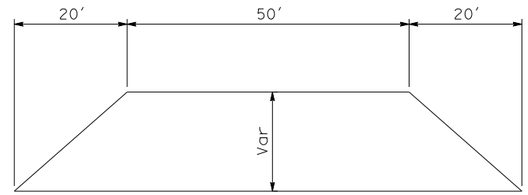
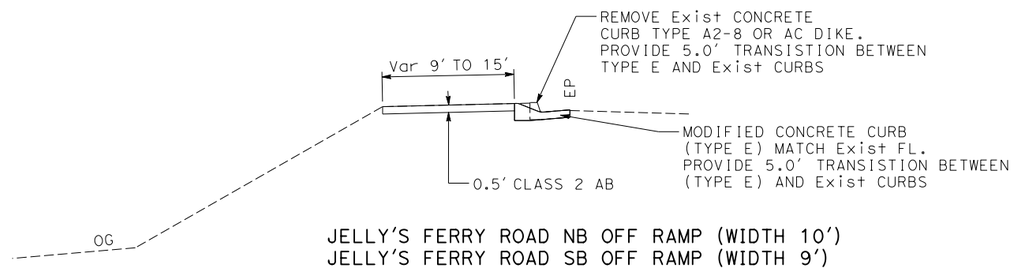


LIBERAL ROAD NB ON/OFF RAMPS AND SB ON/OFF RAMPS
FINNELL ROAD NB ON/OFF RAMPS AND SB ON/OFF RAMPS
GYLE ROAD NB ON/OFF RAMPS AND SB ON/OFF RAMPS
BOWMAN ROAD NB ON/OFF RAMPS AND SB ON/OFF RAMPS

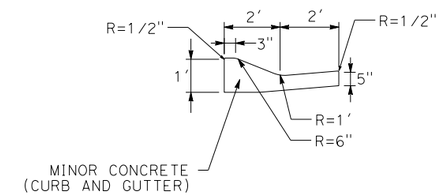


PLAN

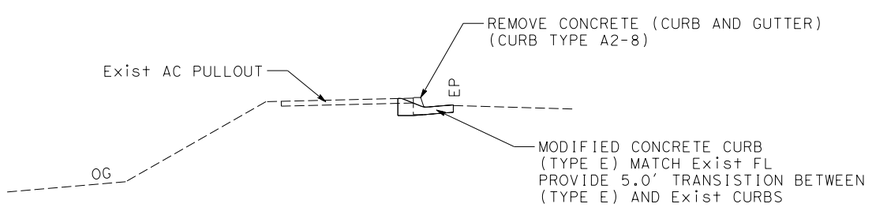
MAINTENANCE PULLOUT DETAIL (Typ)



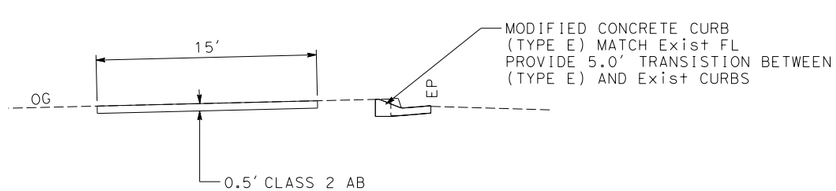
JELLY'S FERRY ROAD NB OFF RAMP (WIDTH 10')
JELLY'S FERRY ROAD SB OFF RAMP (WIDTH 9')
HOOKER CREEK ROAD SB ON RAMP (WIDTH 12')
AUCTION YARD ROAD SB OFF RAMP (WIDTH 12')
BOWMAN ROAD NB ON RAMP (WIDTH 15')



MODIFIED CONCRETE CURB (TYPE E)

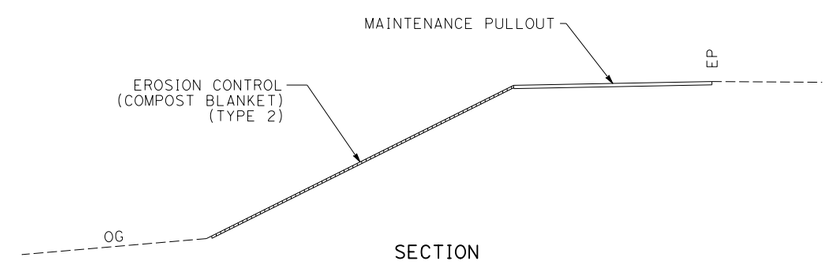


WILCOX ROAD NB OFF RAMP
JELLY'S FERRY ROAD SB ON RAMP

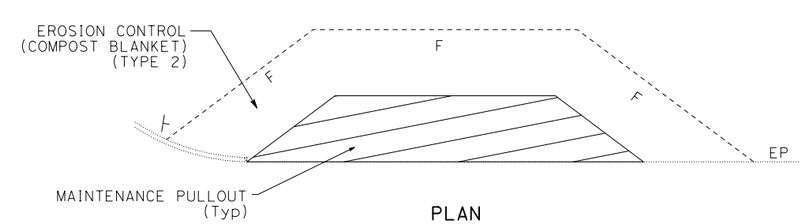


AUCTION YARD ROAD NB ON RAMP

MAINTENANCE PULLOUTS



SECTION



PLAN

EROSION CONTROL (COMPOST BLANKET)

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY | DATE REVISED
DANIEL R. FISHER | MIKE MOGEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | JULIE CASEY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

P:\proj2\02\0E450_plans\pse\20e450ga001.dgn

LAST REVISION | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 20e450ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0318 | PROJECT NUMBER & PHASE 02000200651 | EA: 0E450

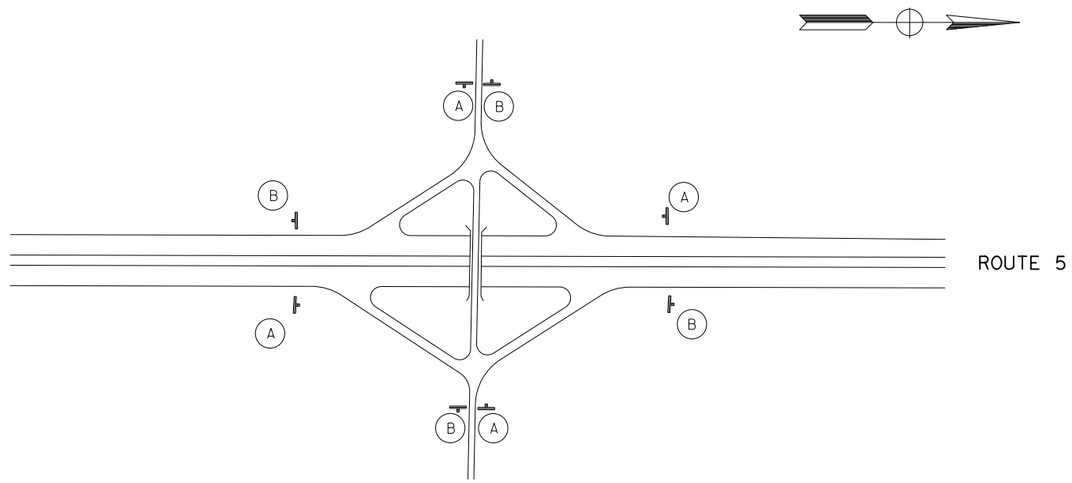
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	27	41

Michael J. Mogen 04-04-12
REGISTERED CIVIL ENGINEER DATE

04-04-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MIKE MOGEN
No. 67018
Exp. 09-30-12
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.

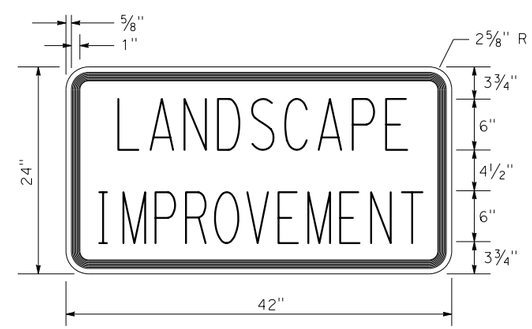


TYPICAL CONSTRUCTION AREA SIGN LOCATIONS

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	No. AND SIZE OF POSTS	No. OF SIGNS
A	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	40
	C-23B	30" X 18"	LANDSCAPE IMPROVEMENTS		
B	C14 (CA)	36" x 18"	END ROAD WORK	1-4" x 4"	40
				TOTAL	80

NOTE: EXACT LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.



C23B SIGN PANEL DETAIL

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

REVISED BY	DATE REVISED

DANIEL R. FISHER — MIKE MOGEN

CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — JULIE CASEY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **DESIGN**

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LAST REVISION — DATE PLOTTED => 06-JUN-2012 TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	28	41

LICENSED LANDSCAPE ARCHITECT

04-04-12

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT RONALD MARTIN FLORY #4981 Signature 09-30-12 Renewal Date 04-04-12 Date STATE OF CALIFORNIA

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NOTE:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

EROSION CONTROL QUANTITIES

SHEET	EROSION CONTROL (DRY SEED)
	SQFT
L-8	1,570
L-10	1,460
L-24	1,221
TOTAL	4,251

SYMBOL	EROSION CONTROL (TYPE 1)		
	EROSION CONTROL (COMPOST BLANKET) (TYPE 1)	EROSION CONTROL (HYDROSEED)	ROLLED EROSION CONTROL PRODUCT (BLANKET)
	CY	ACRE	SQFT
1	124	0.46	19,993
2	170	0.63	27,426
3	198	0.74	32,061
TOTAL	492	1.83	79,480

SYMBOL	EROSION CONTROL (COMPOST BLANKET) (TYPE 2)	
	SQFT (N)	CY
1	1,500	10
2	1,300	8
3	1,600	10
4	800	5
5	920	6
6	1,750	11
7	856	6
8	1,750	11
9	1,700	11
10	1,225	8
11	1,200	8
12	550	3
13	400	3
14	734	5
15	734	5
16	856	5
TOTAL	17,875	115

LANDSCAPE QUANTITIES

SYMBOL	ROADSIDE CLEARING		MULCH
	SQFT (N)	ACRE (N)	CY
1	5,031	0.12	47
2	26,443	0.61	245
3	35,326	0.82	309
4	19,013	0.44	176
5	18,030	0.41	167
6	11,140	0.26	103
7	25,452	0.58	236
8	14,401	0.33	134
9	11,644	0.27	108
10	26,050	0.60	242
11	44,612	1.02	413
12	40,683	0.93	377
13	55,307	1.27	513
14	11,823	0.27	110
15	51,118	1.17	474
16	12,325	0.28	115
17	25,365	0.58	235
18	14,786	0.34	137
19	1,600	0.04	15
20	89,390	2.05	828
21	69,220	1.59	641
22	1,110	0.03	10
23	54,130	1.24	502
24	17,115	0.39	160
25	12,015	0.28	112
26	30,912	0.71	287
27	27,720	0.64	257
28	10,880	0.25	101

LANDSCAPE QUANTITIES

SYMBOL	ROADSIDE CLEARING		MULCH
	SQFT (N)	ACRE (N)	CY
29	71,350	1.64	661
30	41,022	0.94	380
31	13,030	0.30	121
32	27,606	0.63	256
33	26,867	0.62	248
34	13,289	0.31	123
35	4,776	0.11	45
36	10,385	0.24	97
37	5,732	0.13	53
38	16,855	0.39	156
39	12,683	0.29	118
40	14,251	0.33	132
41	5,110	0.12	48
42	16,672	0.38	155
43	11,747	0.27	109
44	4,048	0.09	38
45	9,558	0.22	89
46	35,027	0.80	325
47	44,831	1.03	516
48	17,092	0.39	159
49	24,092	0.55	223
50	15,998	0.37	148
51	10,901	0.25	101
52	8,240	0.19	76
53	47,266	1.09	438
54	28,107	0.65	254
55	9,164	0.21	86
56	29,905	0.69	277
TOTAL	1,321,406	30.75	12,486

ROADWAY QUANTITIES

LOCATION	QUADDRANT	ROADWAY EXCAVATION	(N) EMBANKMENT	REMOVE CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (CURB AND GUTTER)	CLASS 2 AB	RELOCATE ROADSIDE SIGN	ADJUST PULLBOX TO GRADE
		CY	CY	LF	CY	CY	EA	EA
LIBERAL AVENUE	SOUTHEAST	10	288			20		
	NORTHEAST	1150	83			20		
	NORTHWEST	4	446			20	1	
	SOUTHWEST	13	281			20		
FINNELL AVENUE	SOUTHEAST	3	360			20		
	NORTHEAST	5	380			20		
	NORTHWEST	5	51			20		
	SOUTHWEST	5	188			20		
GYLE ROAD	SOUTHEAST	4	201			20		
	NORTHEAST	5	28			20		
	NORTHWEST	7	62			20		
	SOUTHWEST	4	258			20		
WILCOX ROAD	SOUTHEAST			82	5.8			
	NORTHEAST							
	NORTHWEST							
	SOUTHWEST							
JELLY'S FERRY ROAD	SOUTHEAST			28	2.0			
	NORTHEAST							
	NORTHWEST	13		144	6.7	13		
	SOUTHWEST			80	5.6			
HOOKER CREEK ROAD	SOUTHEAST							
	NORTHEAST							
	NORTHWEST							
	SOUTHWEST	16		108	7.6	16		
AUCTION YARD ROAD	SOUTHEAST							
	NORTHEAST	20		18	1.3	20		
	NORTHWEST	16		96	6.8	16		
	SOUTHWEST							
BOWMAN ROAD	SOUTHEAST	760	93			20	1	1
	NORTHEAST	1135	245		6.3	20		
	NORTHWEST	6	200			20	1	
	SOUTHWEST	10	27			20		
TOTAL		3191	3191	556	42.1	385	3	1

SUMMARY OF QUANTITIES

Q-1

REVISED BY	DATE REVISED
ROBIN SOLARI	RON FLORY

CALCULATED-DESIGNED BY: ROBIN SOLARI
CHECKED BY: RON FLORY
SENIOR LANDSCAPE ARCHITECT: RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 02-02-12 | DATE PLOTTED => 06-JUN-2012 | TIME PLOTTED => 08:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	29	41

Michael J. Mogen 04-04-12
REGISTERED CIVIL ENGINEER DATE

04-04-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MIKE MOGEN
No. 67018
Exp. 09-30-12
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.

EXISTING LOOP DETECTORS

POST MILE	DESCRIPTION
R5.64	LIBERAL AVENUE NB OFF
R5.91	LIBERAL AVENUE NB ON
R5.90	LIBERAL AVENUE SB OFF
R5.63	LIBERAL AVENUE SB ON
R7.28	SOUTH AVENUE NB OFF
R7.67	SOUTH AVENUE NB ON
R7.65	SOUTH AVENUE SB OFF
R7.34	SOUTH AVENUE SB ON
R10.77	FINNELL AVENUE NB OFF
R11.13	FINNELL AVENUE NB ON
R11.15	FINNELL AVENUE SB OFF
R10.78	FINNELL AVENUE SB ON
R13.76	GYLE ROAD NB OFF
R14.11	GYLE ROAD NB ON
R14.12	GVLE ROAD SB OFF
R13.81	GVLE ROAD SB ON
R19.73	FLORES AVENUE NB OFF
R19.73	FLORES AVENUE NB ON
R19.96	FLORES AVENUE SB OFF
R19.96	FLORES AVENUE SB ON
30.89	WLICOX ROAD NB OFF
31.20	WILCOX ROAD NB ON
32.06	WILCOX ROAD SB OFF
32.73	WILCOX ROAD SB ON
32.06	JELLYS FERRY ROAD NB OFF
32.35	JELLVS FERRY ROAD NB ON
32.42	JELLVS FERRY ROAD SB OFF
32.07	JELLYS FERRY ROAD SB ON
38.58	SUNSET HILLS NB OFF
38.89	SUNSET HILLS NB ON
38.94	SUNSET HILLS SB OFF
38.55	SUNSET HILLS SB ON
41.33	BOWMAN ROAD NB OFF
41.66	BOWMAN ROAD NB ON
41.68	BOWMAN ROAD SB OFF
41.38	BOWMAN ROAD SB ON

EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS TO MAINTAINED

ELEMENT	POST MILE	DESCRIPTION
CCTV	TEH 5 PM 30.97	WILCOX ROAD O.C. (NB)
CMS	TEH 5 PM 31.05	WILCOX ROAD O.C.
CCTV	TEH 5 PM 31.06	WILCOX ROAD O.C. (SB)
CCTV	TEH 5 PM 32.23	JELLYS FERRY EAST SIDE OF FREEWAY
CCTV	TEH 5 PM 41.52	BOWMAN ROAD O.C.
CMS	TEH 5 PM 41.53	BOWMAN ROAD O.C.

SUMMARY OF QUANTITIES
Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: JULIE CASEY
CALCULATED-DESIGNED BY: DANIEL R. FISHER
CHECKED BY: MIKE MOGEN
REVISED BY
DATE REVISED

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LAST REVISION
DATE PLOTTED => 06-JUN-2012
TIME PLOTTED => 08:36

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	30	41

REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Michael Jonzen No. 44788 Exp. 03-31-08 CIVIL STATE OF CALIFORNIA

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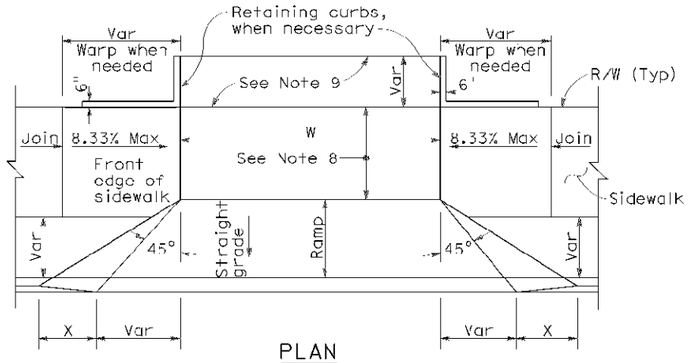
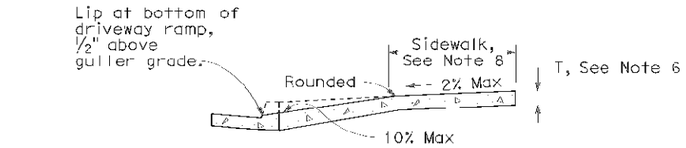
To accompany plans dated 04-04-12



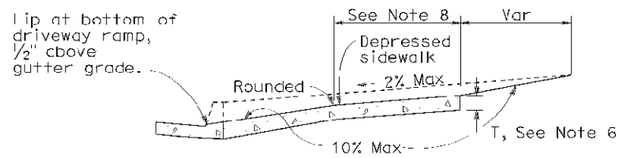
PLAN

ELEVATION



CASE A

Typical driveway, sidewalk not depressed



CASE B

Driveway with depressed sidewalk

SECTIONS

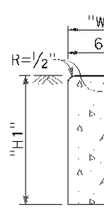
CURB QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

TABLE A

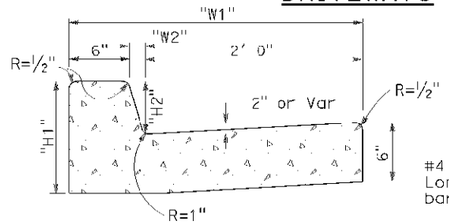
CURB TYPE	DIMENSIONS "H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7½"	1½"
A1-8	1'-4"	8"	9"	2"
A2-6	1'-0"	6"	2'-7½"	1½"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7¼"	1¼"
A3-8	8"	7"	7¾"	1¾"
B1-4	1'-0"	4"	7½"	2½"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7½"	2½"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8½"	3½"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-8"

DRIVEWAYS



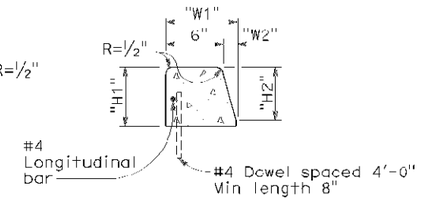
TYPE A1 CURBS

See Table A



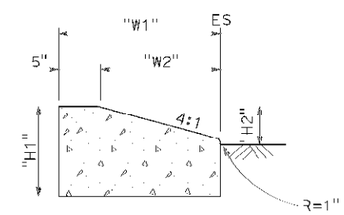
TYPE A2 CURBS

See Table A



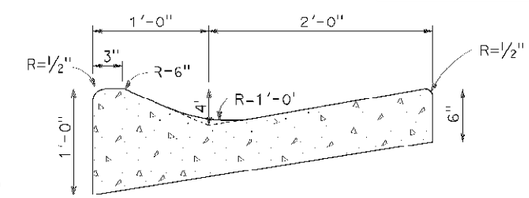
TYPE A3 CURBS

Superimposed on existing pavement
See Table A

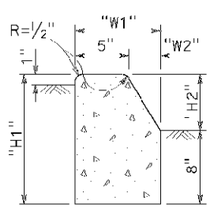


TYPE D CURBS

See Table A

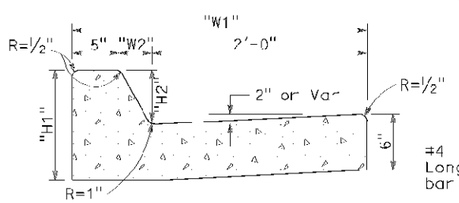


TYPE E CURB



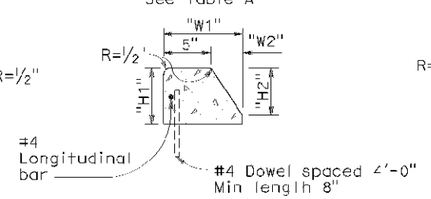
TYPE B1 CURBS

See Table A



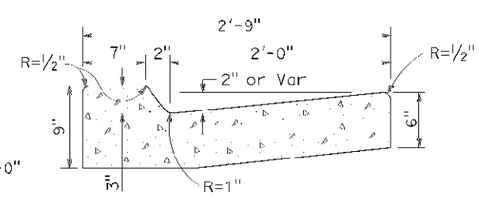
TYPE B2 CURBS

See Table A

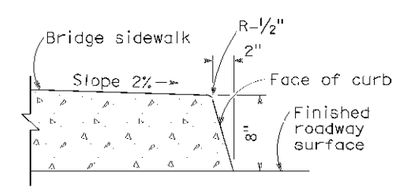


TYPE B3 CURBS

Superimposed on existing pavement
See Table A



TYPE B4 CURBS



TYPE H CURB

On Bridges

CURBS

NOTES:

1. Case A driveway section typically applies.
2. Use Case B driveway section when ramp slopes would exceed 10% in Case A.
3. Use Case B driveway section when sidewalk cross slope would exceed 2% in Case A.
4. X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
5. X is a variable when sidewalk is located where wheelchairs may traverse the surface. Slopes shall not exceed 8.33%.
6. Sidewalk and ramp thickness "T" at driveway shall be 4" for residental and 6" for commercial.
7. Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.
8. Minimum width of clear passageway for sidewalk shall be 4'-0".
9. Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
10. Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2' 0" of width.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURBS AND DRIVEWAYS

NO SCALE

RSP A87A DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN A87A DATED MAY 1, 2006 - PAGE 113 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A87A

2006 REVISED STANDARD PLAN RSP A87A

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	31	41

LICENSED LANDSCAPE ARCHITECT

June 5, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Gregory A. Balzer 2579 Signature 2-28-11 Renewal date 5-14-09 Date STATE OF CALIFORNIA

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To accompany plans dated 04-04-12

A

AB	aggregate base
ABS	acrylonitrile-butadiene-styrene
AC	asphalt concrete
Adj	adjacent/adjustable
AIC	auxiliary irrigation controller
Alt	alternative
AMEND	amendment
ARV	air release valve
AUTO	automatic
AUX	auxiliary
AVB	atmospheric vacuum breaker

B

B&B	balled and burlapped
B/B	brass/bronze
B/B/PL	brass/bronze/plastic
B/PL	brass/plastic
BFM	bonded fiber matrix
Bit Ctd	bituminous coated
BP	booster pump
BPA	backflow preventer assembly
BPAE	backflow preventer assembly in enclosure
BPE	backflow preventer enclosure
BV	ball valve

C

CAP	corrugated aluminum pipe
CARV	combination air release valve
CCA	cam coupler assembly
CEC	controller enclosure cabinet
CHDPE	corrugated high density polyethylene
CL	chain link
CNC	control and neutral conductors
Conc	concrete
Cond	conduit
CSP	corrugated steel pipe
CST	center strip
CV	check valve

D

Dia	diameter
DIP	ductile iron pipe
DN	diameter nominal

E

EA	each
Elect	electric/electrical
Elev	elevation
ENCL	enclosure
EP	edge of pavement
ES	edge of shoulder
EST	end strip
ESTB	establishment
ETW	edge of traveled way

F

F	full circle
F/P	full/part circle
FAU	filter assembly unit
FCV	flow control valve
FERT	fertilizer
FG	finished grade
FIPT	female iron pipe thread
FIS	fertilizer injector system
FL	flow line
FM	flow monitor
FS	flow sensor
Ft	foot/feet
FV	flush valve

G

GAL	Gallon(s)
Galv	galvanized
GARV	garden valve
GPH	gallons per hour
GPM	gallons per minute
GSP	galvanized steel pipe
GV	gate valve

H

H	half circle
HB	hose bib
HDPE	high density polyethylene
HP	horsepower/hinge point
HPL	high pressure line
Hwy	highway

I

IC	irrigation controller
ICC	irrigation controller(s) in controller enclosure cabinet
ID	inside diameter
In	inches
IFS	irrigation filtration system
IPS	iron pipe size
IPT	iron pipe thread
Irr	irrigation

L

L	length
LF	linear foot

M

Max	maximum
MBGR	metal beam guard railing
MCV	manual control valve
MIC	master irrigation controller
Min	minimum
MIPT	male iron pipe thread
Misc	miscellaneous
Mtl	material
MVP	maintenance vehicle pullout

N

NCN	no common name
NL	nozzle line
No.	number
NPT	national pipe thread

O

O/C	on center
OD	outside diameter
Oz	ounce

P

P	part circle
PB	pull box
PCC	portland cement concrete
PE	polyethylene
Pkt	packet
PL	plastic
PLT	plant/planting
PLT ESTB	plant establishment
PM	post mile
PR	pressure rated
PRLV	pressure relief valve
PSFM	polymer stabilized fiber matrix
PSI	pounds per square inch
PRV	pressure reducing valve
PVC	polyvinyl chloride
Pvmt	pavement

Q

Q	quarter circle
QCV	quick coupling valve

R

R	radius
RCP	reinforced concrete pipe
RCV	remote control valve
RCVM	remote control valve (master)
RCVMF	remote control valve (master) w/ flow meter
RCW	recycled/reclaimed water
RECP	rolled erosion control product
REQ	required
R/W	right of way

S

S	slip
SCC	sprinkler control conduit
SCH	schedule
SF	state-furnished
Shld	shoulder
SQFT	square foot/feet
SQYD	square yard(s)
SST	side strip
Sta	station
Std	standard
SW	sidewalk/sound wall

T

T	third circle/thread
TLS	truck loading standpipe
TQ	three quarter circle
TRM	turf reinforcement mat
TRVD	traveled
TT	two third circle
Typ	typical

U

UG	underground

V

VAU	valve assembly unit

W

W	width
W/	with
WM	water meter
WS	wye strainer
WSP	welded steel pipe
WWM	welded wire mesh

NOTE:

FOR ADDITIONAL ABBREVIATIONS, SEE STANDARD PLANS A10A AND A10B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PLANTING AND IRRIGATION ABBREVIATIONS

NO SCALE

RSP H1 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H1
DATED MAY 1, 2006 - PAGE 201 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H1

2006 REVISED STANDARD PLAN RSP H1

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5 28 09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	32	41

Gregory A. Betzer
LICENSED LANDSCAPE ARCHITECT

June 5, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Gregory A. Betzer 2576 Signature 2-28-11 Renewal date 5-14-09 Date STATE OF CALIFORNIA

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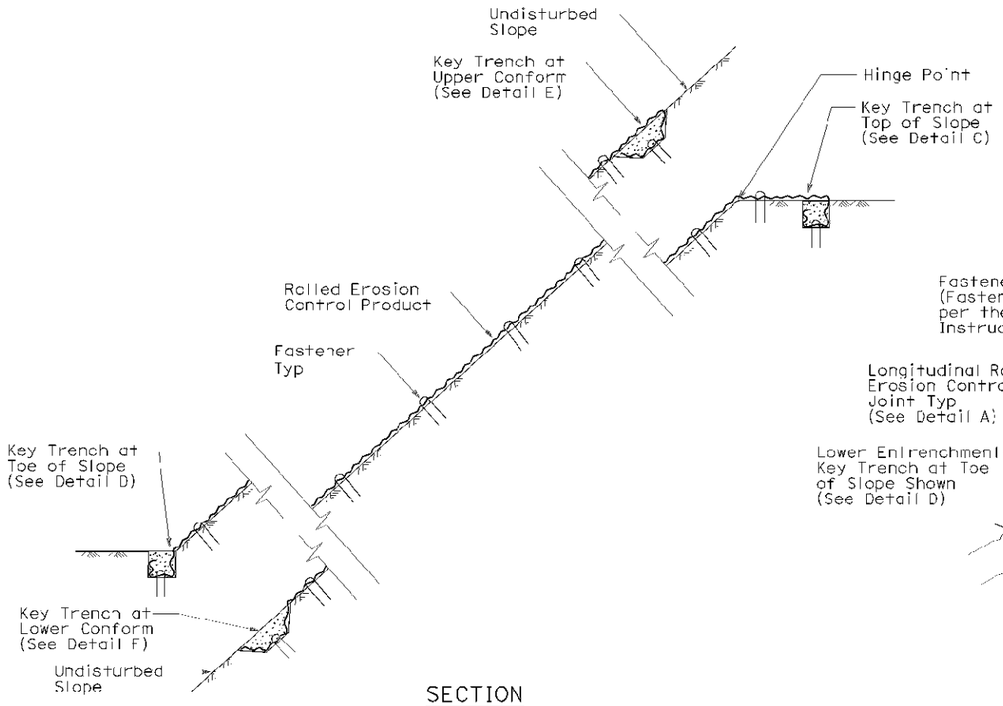
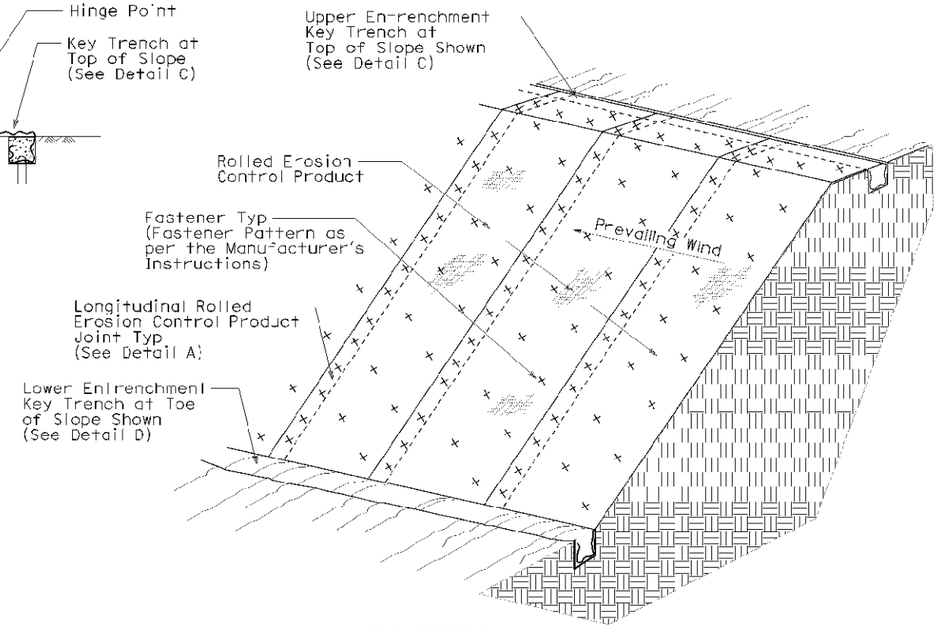
To accompany plans dated 04-04-12



SECTION

ROLLED EROSION CONTROL PRODUCT ON SLOPE WITH VARIOUS KEY ENTRENCHMENTS

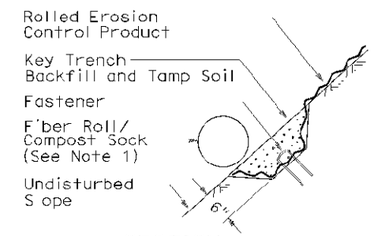


ISOMETRIC

ROLLED EROSION CONTROL PRODUCT ON SLOPE

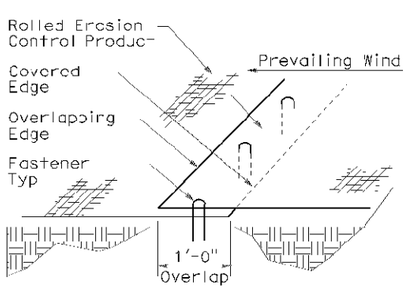
NOTE:

1. Fiber Roll/Compost Sock shown for reference purposes only.
2. If transverse rolled erosion control product joints are required or slopes, see Detail B.



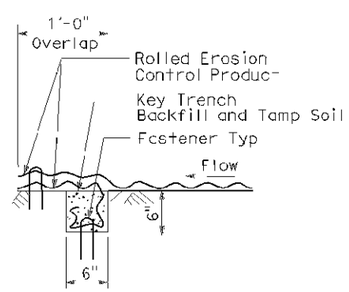
SECTION

DETAIL F
KEY TRENCH AT LOWER CONFORM



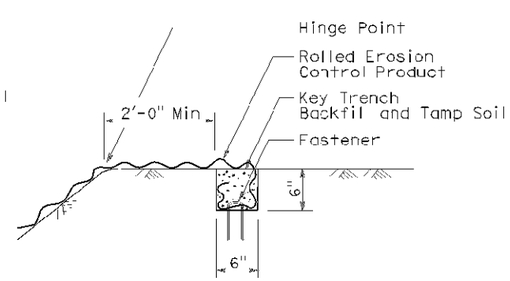
PERSPECTIVE

DETAIL A
LONGITUDINAL ROLLED EROSION CONTROL PRODUCT JOINT



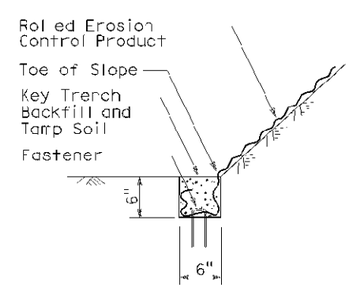
SECTION

DETAIL B
TRANSVERSE ROLLED EROSION CONTROL PRODUCT JOINT



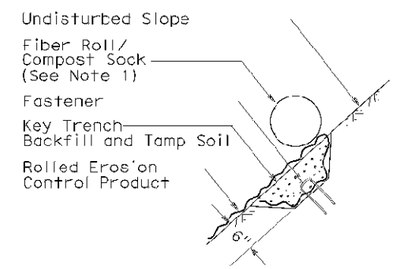
SECTION

DETAIL C
KEY TRENCH AT TOP OF SLOPE



SECTION

DETAIL D
KEY TRENCH AT TOE OF SLOPE



SECTION

DETAIL E
KEY TRENCH AT UPPER CONFORM

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ROLLED EROSION CONTROL PRODUCT

NO SCALE

NSP H53 DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP H53

2006 NEW STANDARD PLAN NSP H53

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5 4 09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	33	41

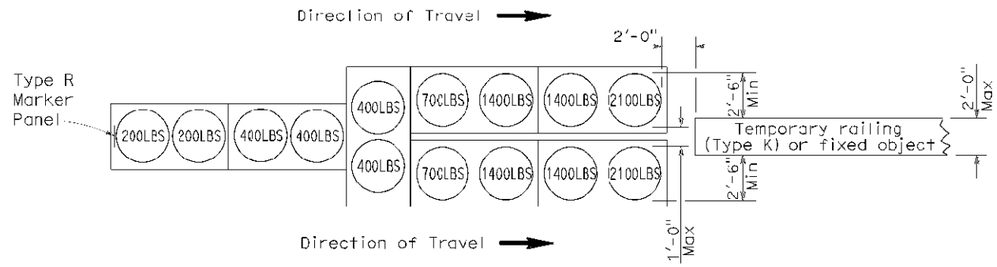
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

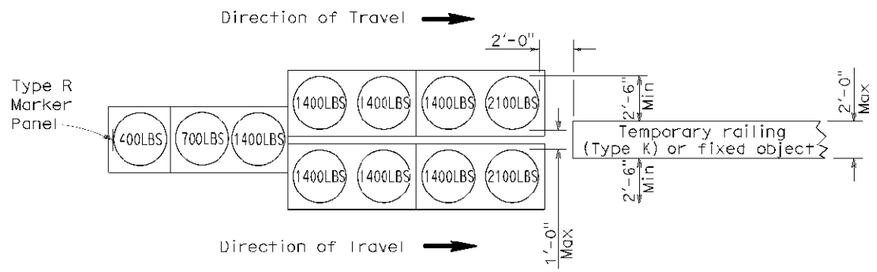
The State of California, or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 04-04-12



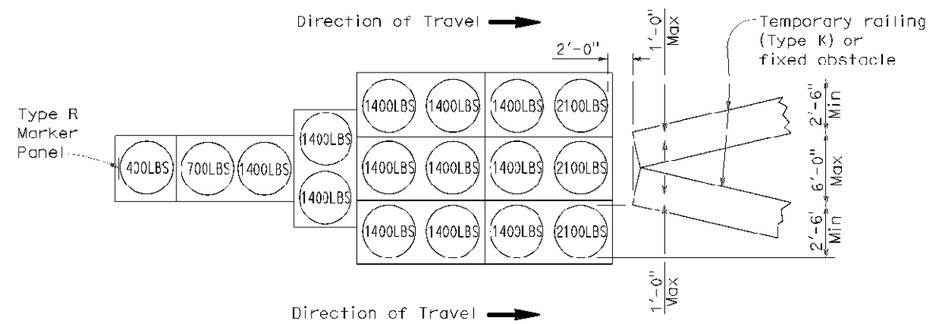
ARRAY 'TU14'

Approach speed 45 mph or more



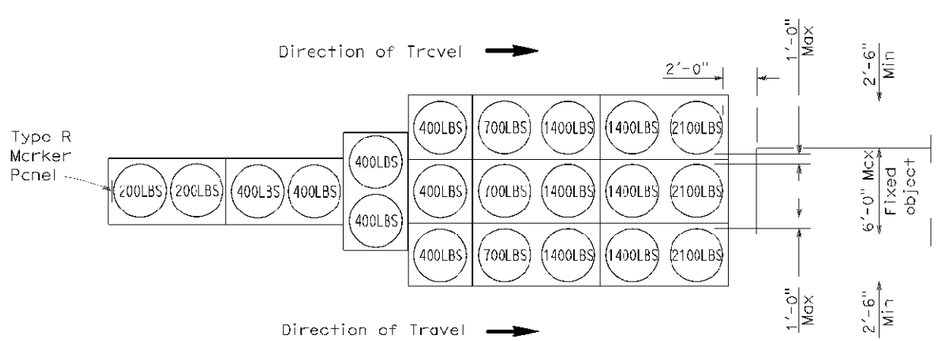
ARRAY 'TU11'

Approach speed less than 45 mph



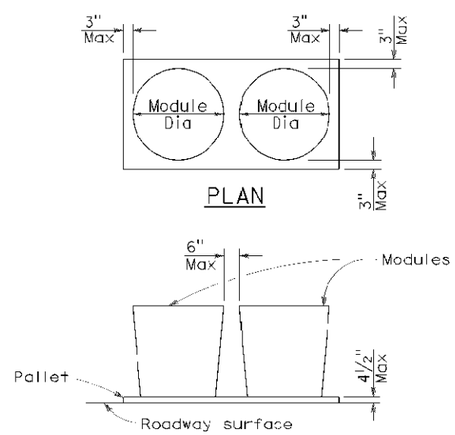
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



PLAN

ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

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5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	34	41

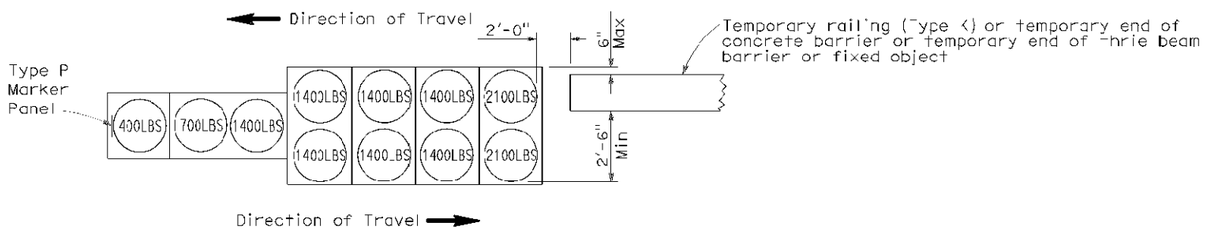
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

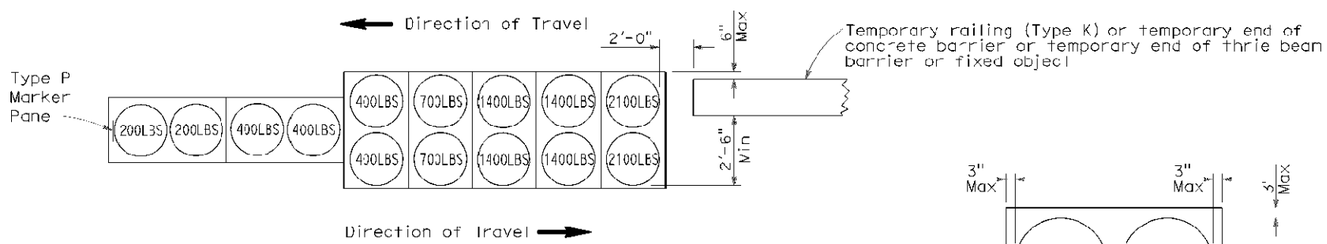
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 04-04-12



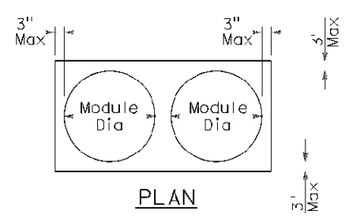
ARRAY 'TB11'

Approach speed less than 45 mph

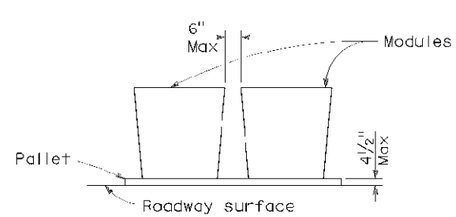


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

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5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	35	41

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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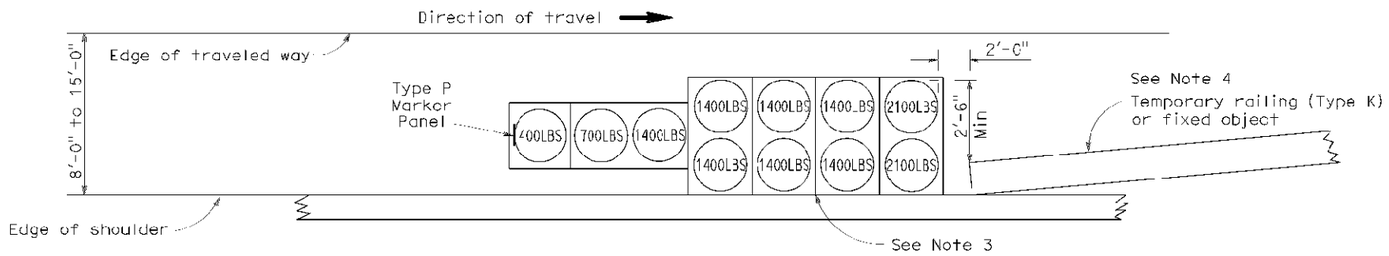
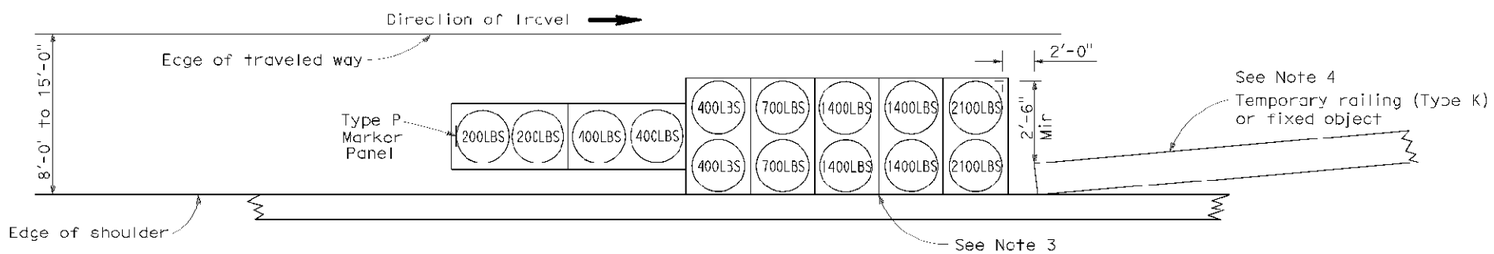
To accompany plans dated 04-04-12



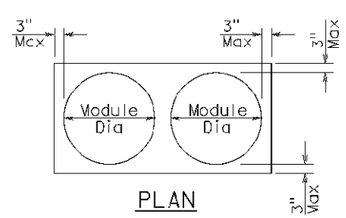
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

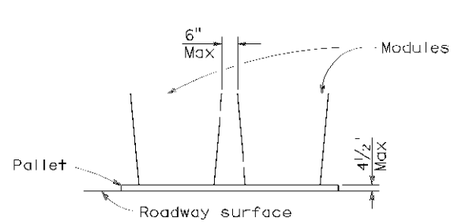


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

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5.13.08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	36	41

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Randell D. Hiatt No. C50200 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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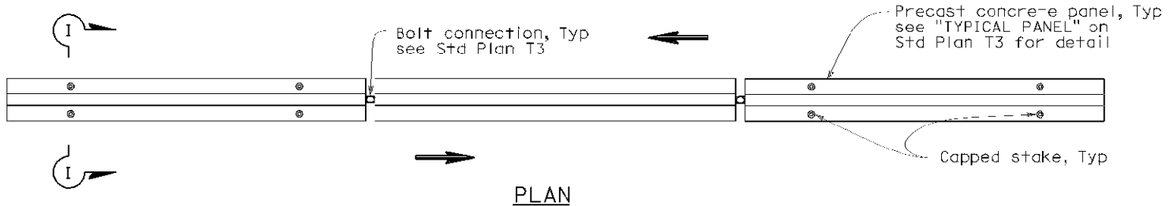
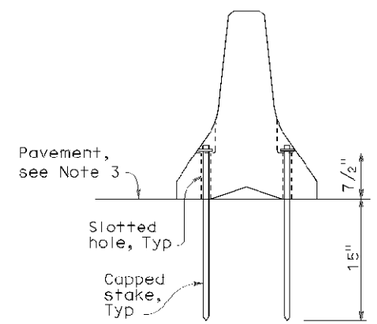
To accompany plans dated 04-04-12



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

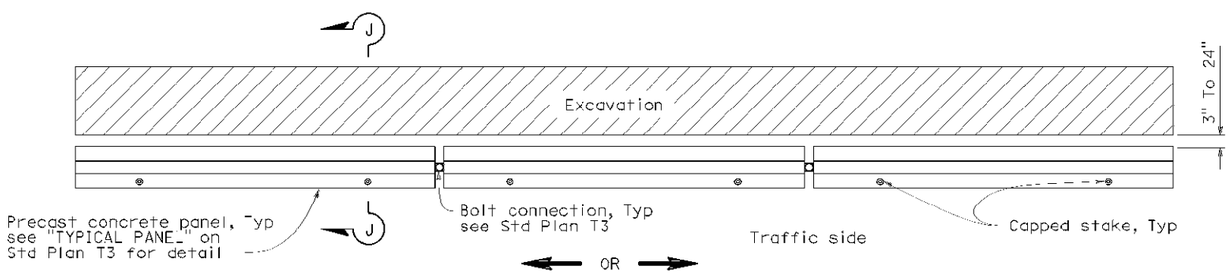
See Note 1



SECTION I-I

NOTES:

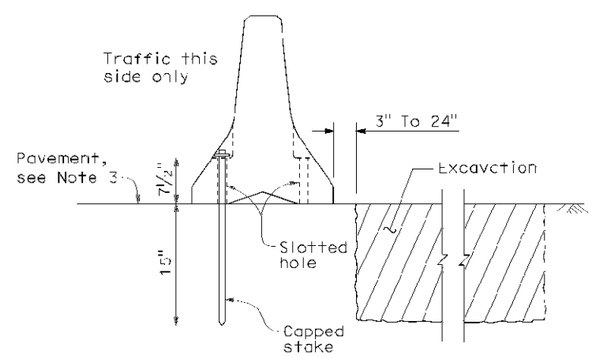
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



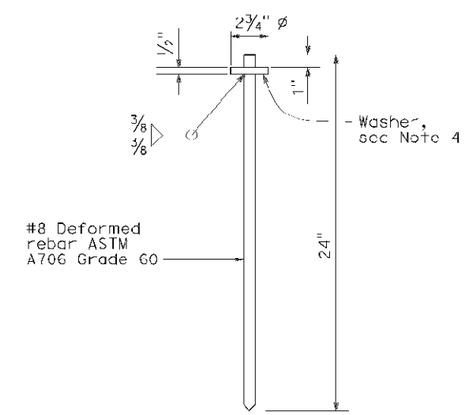
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

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8 31 10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	37	41

REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

Greg W. Edwards No. C36386 Exp. 6-30-08 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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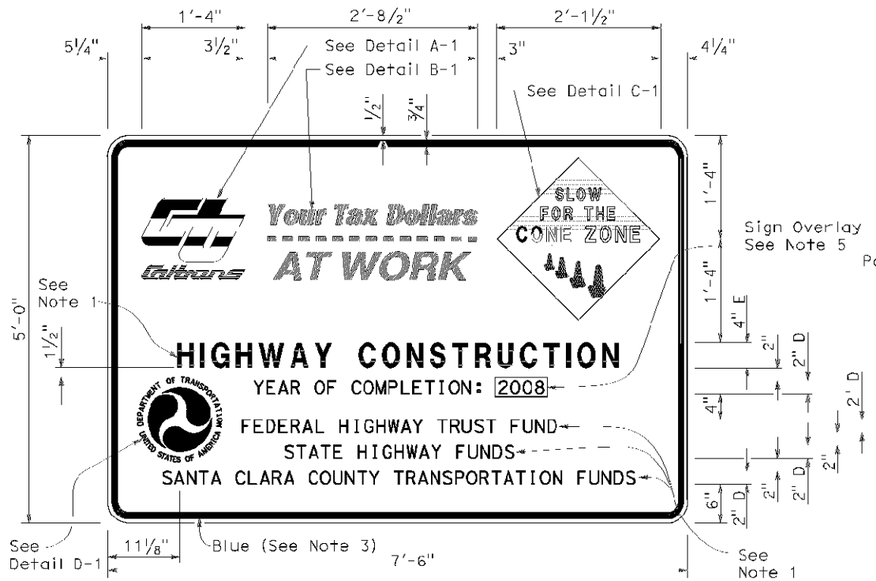
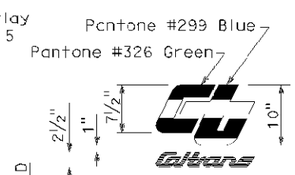
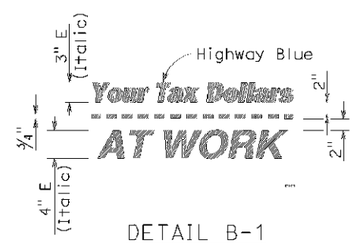
To accompany plans dated 04-04-12



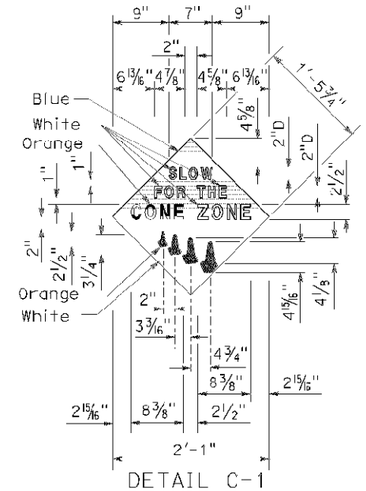
TYPE 1



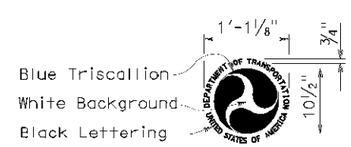
DETAIL A-1



DETAIL B-1
(See Note 3)



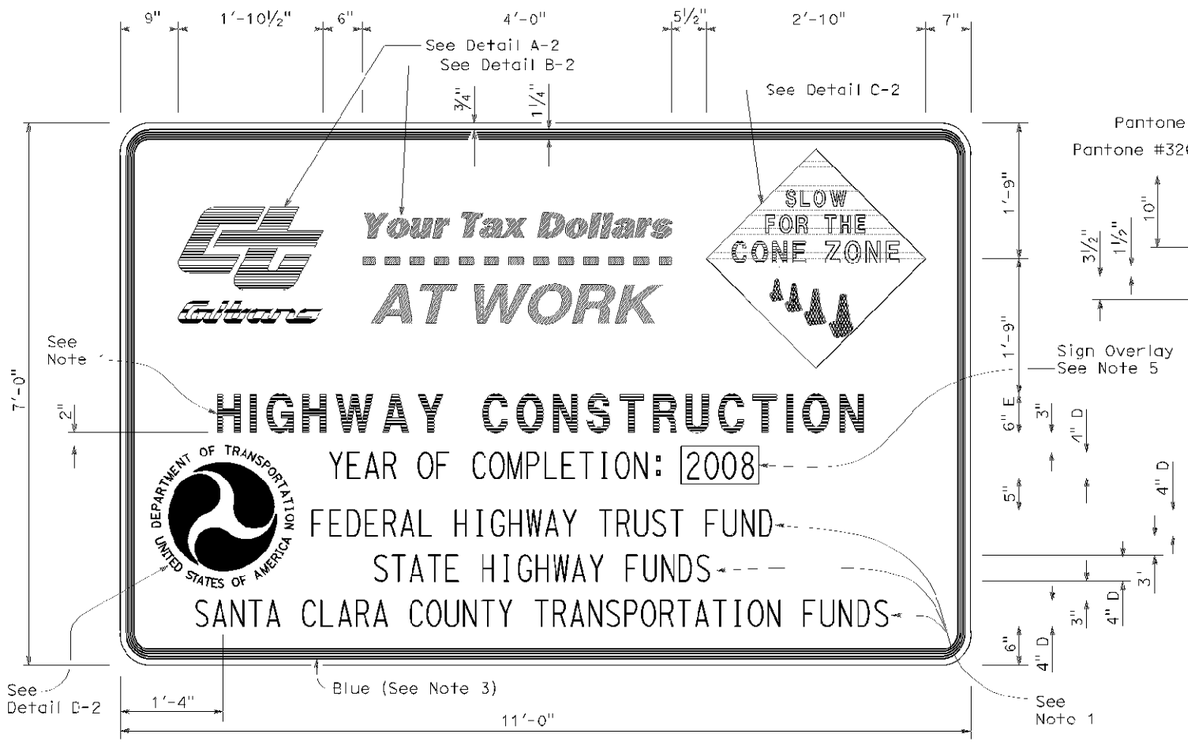
DETAIL C-1
(See Note 4)



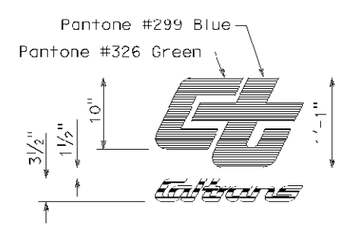
DETAIL D-1
(See Note 6)

NOTES:

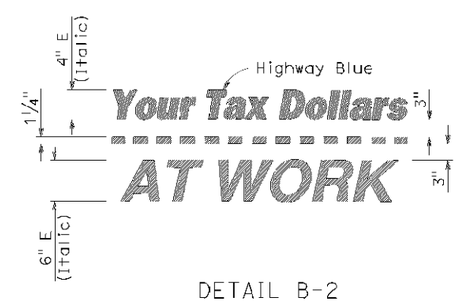
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C 1" and "C 2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



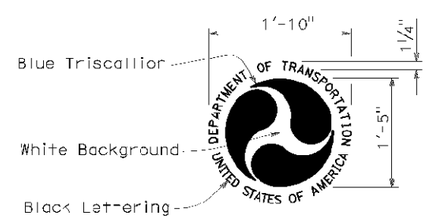
TYPE 2



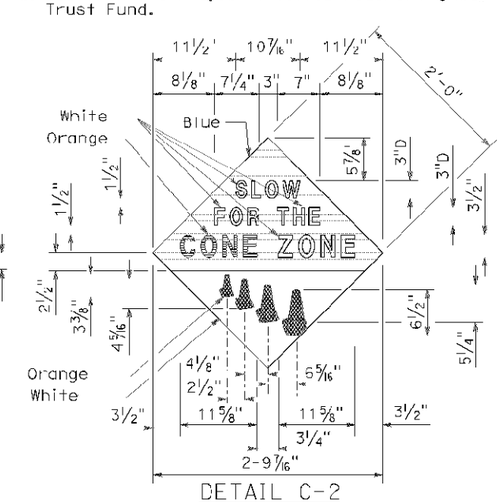
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7 DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

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9/06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	38	41

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

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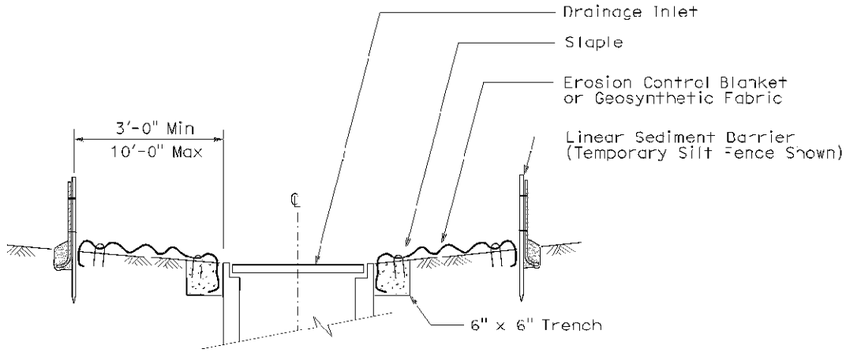
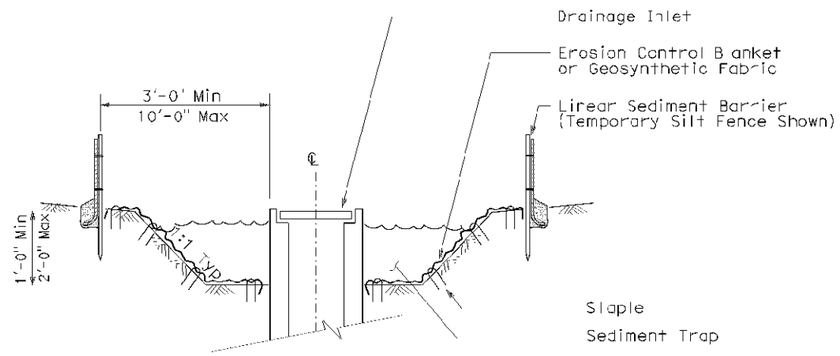
LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3885 Signature 11-04-08 Renewal Date 06-11-08 Date STATE OF CALIFORNIA

To accompany plans dated 04-04-12



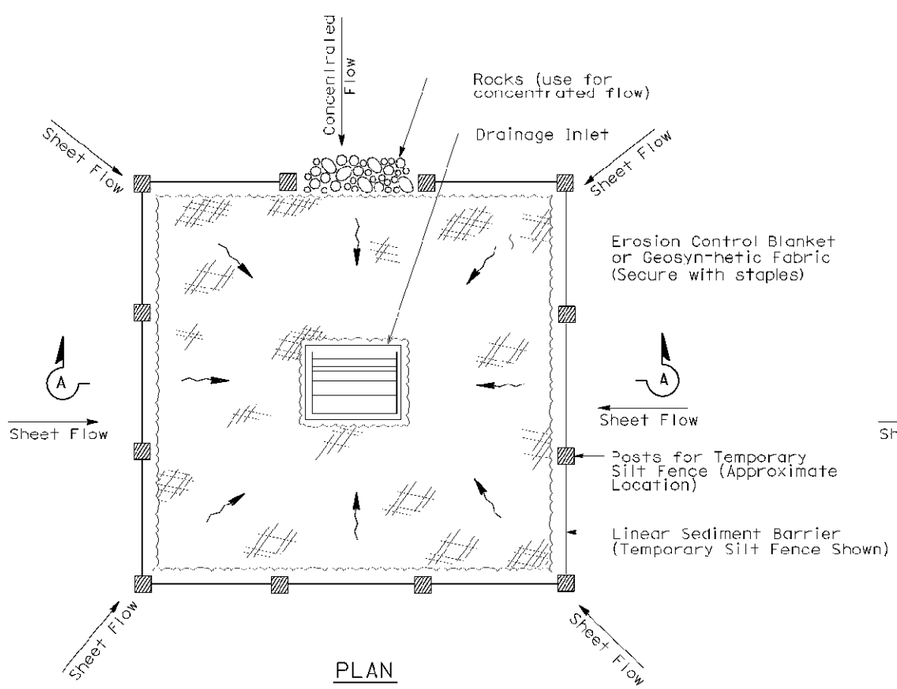
SECTION A-A



SECTION B-B

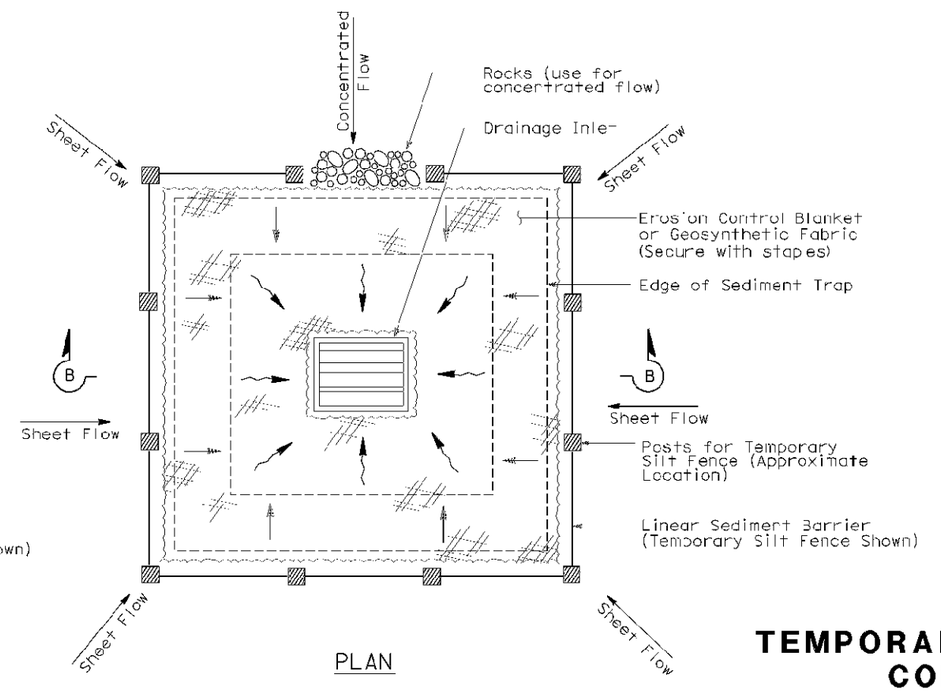
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.



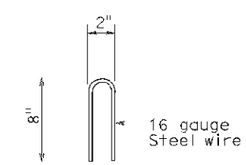
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

Nsp T61 dated august 15, 2008 supplements the standard plans book dated may 2006.

NEW STANDARD PLAN NSP T61

2006 NEW STANDARD PLAN NSP T61

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	39	41

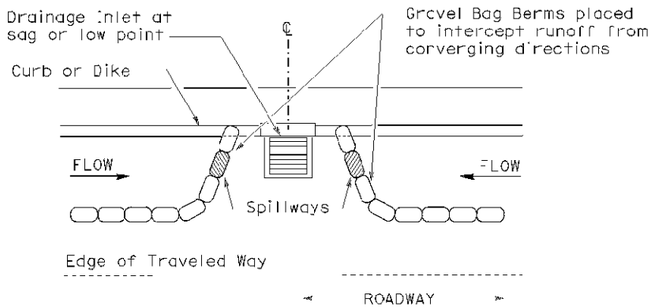
Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

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.

LICENSED LANDSCAPE ARCHITECT
Robert B. Schott 3885
Signature
11-04-08
Retrieval Date
06-11-08
Date
STATE OF CALIFORNIA

To accompany plans dated 04-04-12



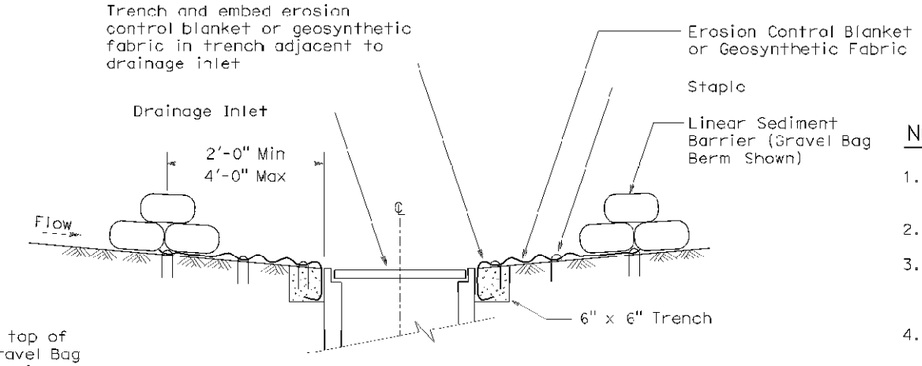
PLAN

CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10-
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

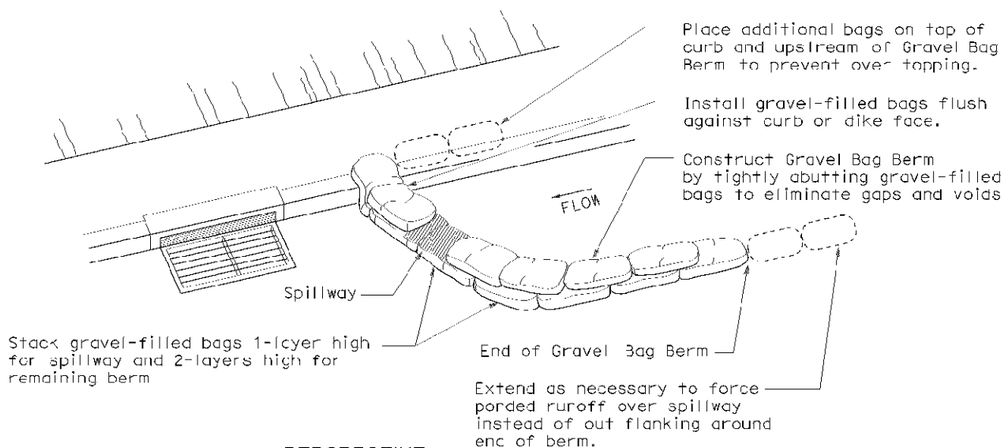
For slope of less than 1%, install barriers only if erosion/sediment is prevalent



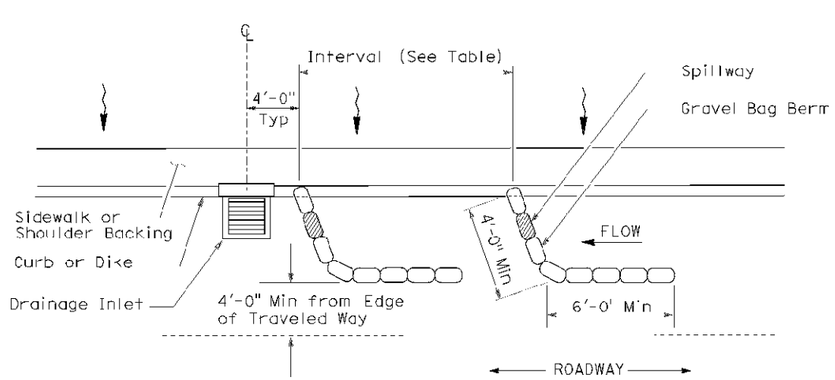
SECTION A-A

NOTES:

1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.

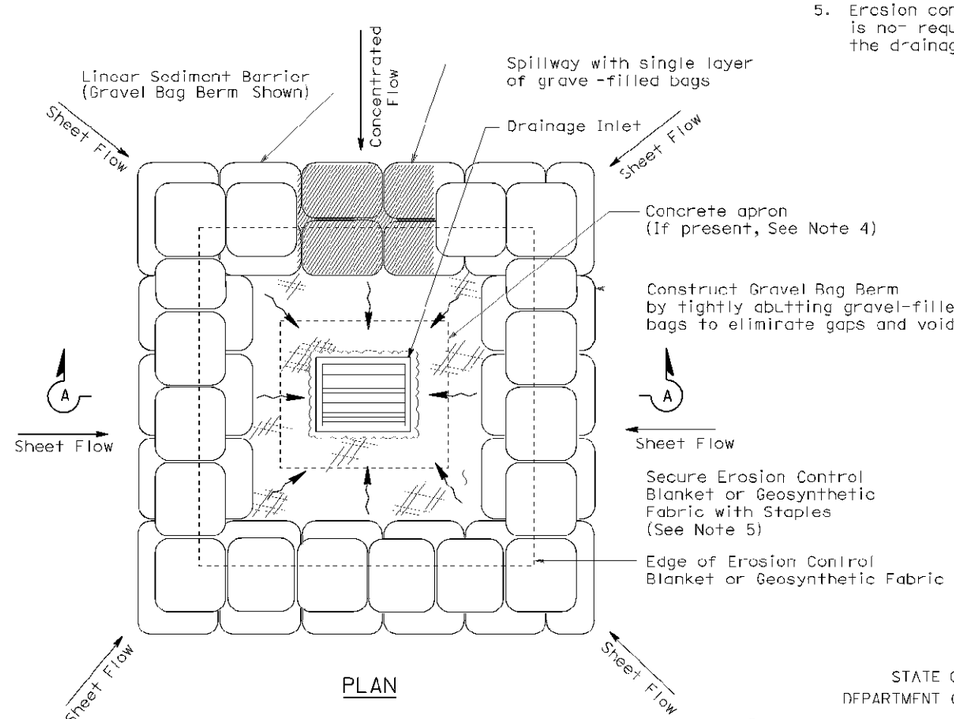


PERSPECTIVE



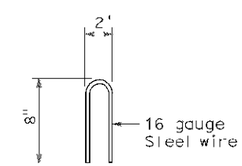
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T62

2006 NEW STANDARD PLAN NSP T62

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	40	41

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

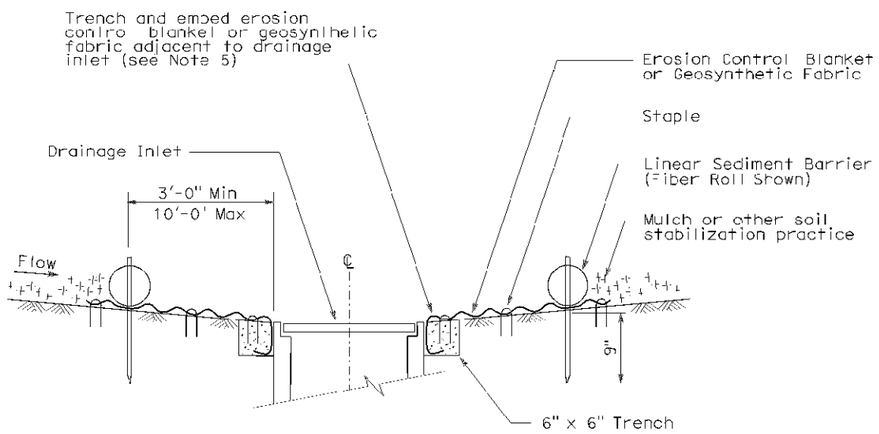
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3885 Signature 11-04-08 Renewal Date 05-11-08 Date STATE OF CALIFORNIA

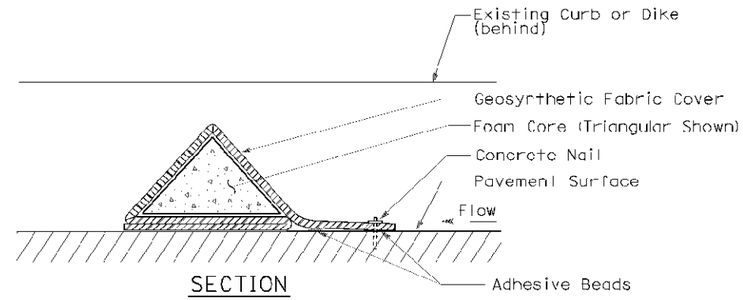
To accompany plans dated 04-04-12

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50′	35′	30′	25′	20′
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6′	6′	6′	6′	6′

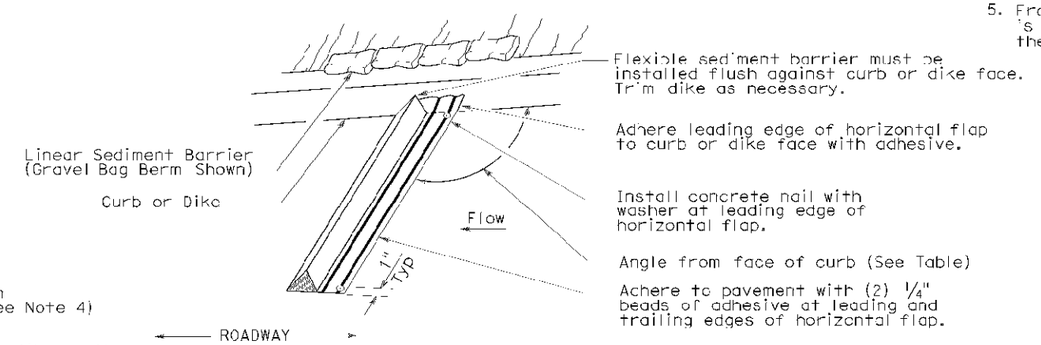


SECTION A-A



SECTION

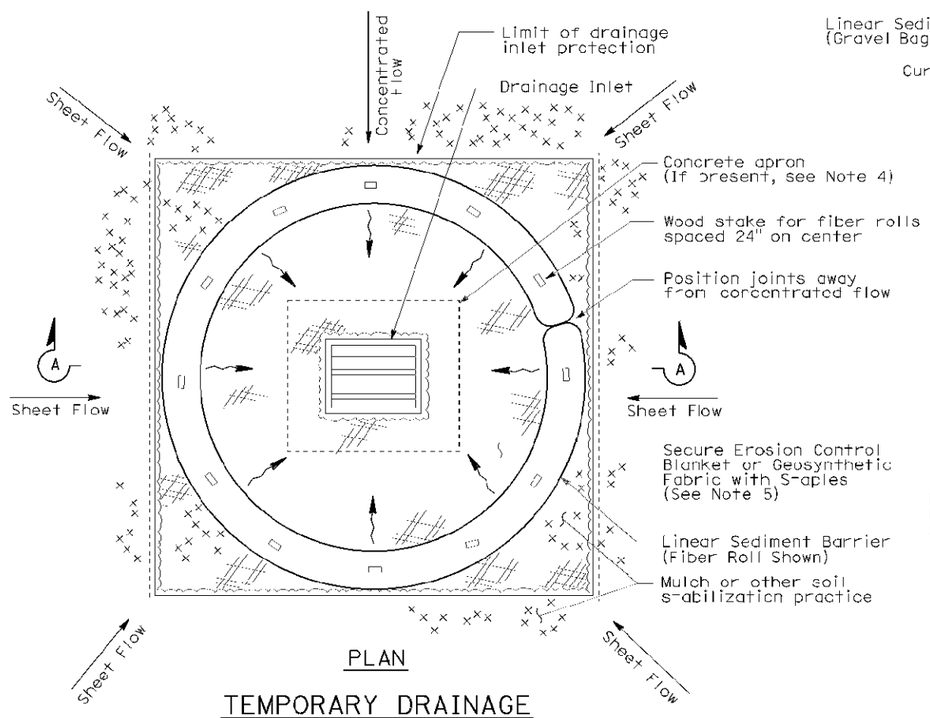
FLEXIBLE SEDIMENT BARRIER DETAIL
(FOAM BARRIER SHOWN)



PERSPECTIVE

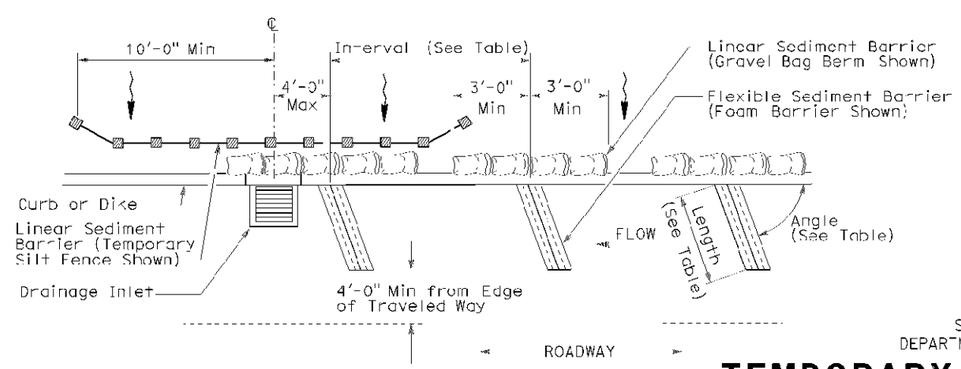
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.



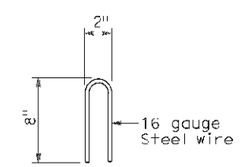
PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4A)



PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4B)
FLEXIBLE SEDIMENT BARRIER



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T63

2006 NEW STANDARD PLAN NSP T63

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5	R5.6/42.1	41	41

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

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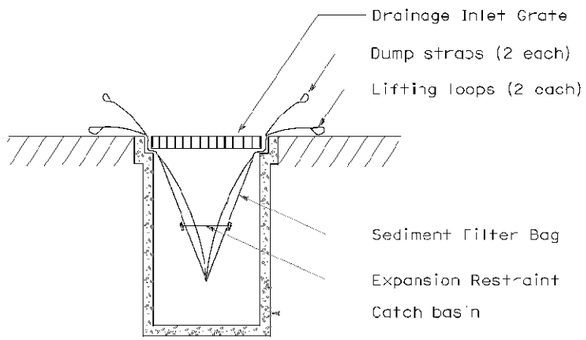
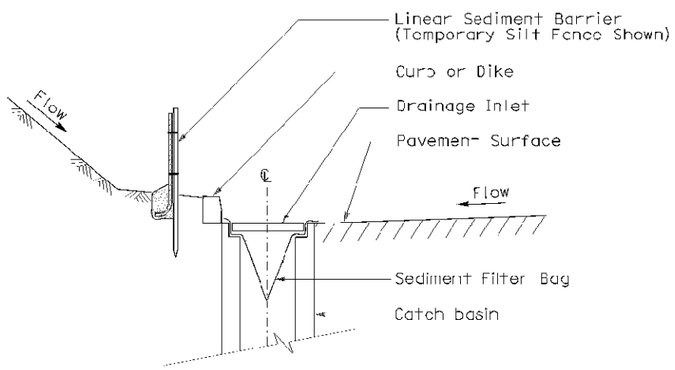
LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3885 Signature 11-04-08 Retired Date 06-11-08 Date STATE OF CALIFORNIA

To accompany plans dated 04-04-12

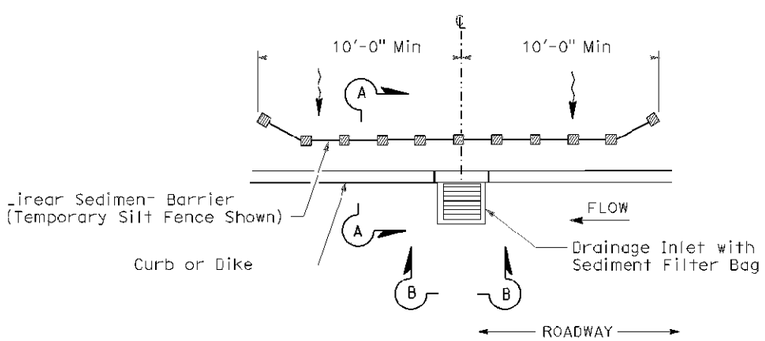


SECTION B-B

SEDIMENT FILTER BAG DETAIL

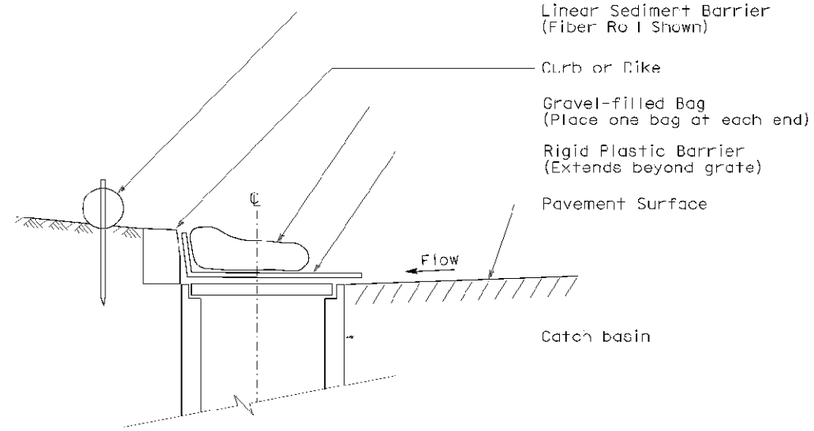


SECTION A-A



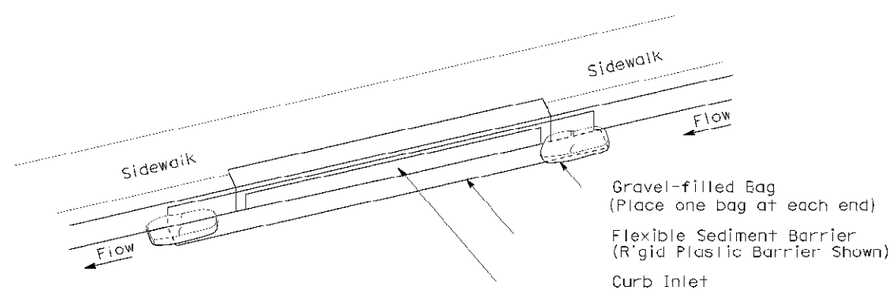
PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)



SECTION

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6A)
(CATCH BASIN WITH GRATE)



PERSPECTIVE

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6B)
(CURB INLET WITHOUT GRATE)

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64

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