INDEX OF PLANS

SHEET No. DESCRIPTION

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91-95 SUMMARY OF QUANTITIES
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111-129 REVISED AND NEW STANDARD PLANS

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

STP-X029(101)E

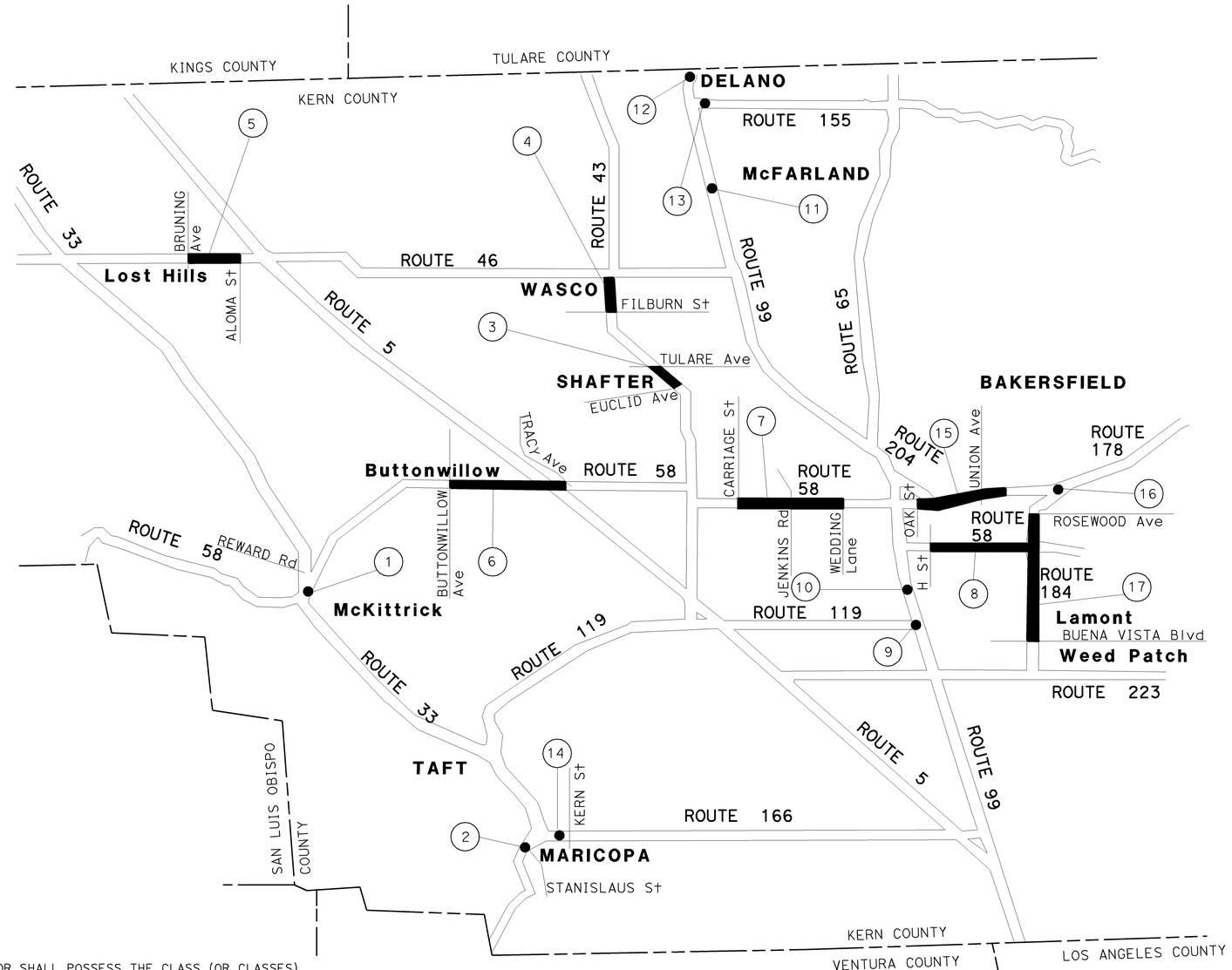
PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN KERN COUNTY

AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	1	129



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

LOCATIONS OF CONSTRUCTION

LOCATION	CITY	ROUTE	POST MILE	
1	McKITTRICK	33	R11.44	R11.44
2	MARICOPA	33	34.11	34.11
3	SHAFTER	43	16.43	17.28
4	WASCO	43	R23.62	R25.18
5	LOST HILLS/Rte 5	46	30.13	32.29
6	BUTTONWILLOW/Rte 5	58	27.28	31.75
7	BAKERSFIELD	58	42.91	49.40
8	BAKERSFIELD	58	R53.39	R59.44
9	BAKERSFIELD	99	17.50	17.50
10	BAKERSFIELD	99	21.60	21.60
11	McFARLAND	99	49.30	49.30
12	DELANO	99	57.45	57.55
13	DELANO	155	R0.04	R0.47
14	MARICOPA	166	0.09	00.09
15	BAKERSFIELD	178	0.36	R2.41
16	BAKERSFIELD	178	T9.61	T9.61
17	WEED PATCH/LAMONT BAKERSFIELD	184	0.00	09.37

NOTE: THE TABLE OF LOCATIONS OF CONSTRUCTION IS SHOWN ON THE LOCATIONS OF CONSTRUCTION SHEET

NO SCALE

Scott Friesen 3-5-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

March 22, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — 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.

CONTRACT No.	06-0G9404
PROJECT ID	0600000115

PROJECT MANAGER: DALLIA FOSTER
DESIGN ENGINEER: SCOTT FRIESEN

LAST REVISION 03-22-10
DATE PLOTTED => 16-JUL-2010
TIME PLOTTED => 08:57

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 DGN FILE => 60G940ab001.dgn | UNIT 1466 | PROJECT NUMBER & PHASE 06000001151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	2	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — 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.

LOCATIONS OF CONSTRUCTION

LOCATION	CURB RAMP	CITY	ROUTE	PM	SHEET	LOCATION	CURB RAMP	CITY	ROUTE	PM	SHEET	LOCATION	CURB RAMP	CITY	ROUTE	PM	SHEET	LOCATION	CURB RAMP	CITY	ROUTE	PM	SHEET
1	1	MCKITTRICK	33	R11.4	C-1		37	BAKERSFIELD	58	46.29	C-21		73	BAKERSFIELD	58	R59.44	C-40		109	BAKERSFIELD	178	00.82	C-61
2	2	MARICOPA	33	34.11	C-1		38	BAKERSFIELD	58	46.29	C-21		74	BAKERSFIELD	58	R59.44	C-40		110	BAKERSFIELD	178	00.82	C-61
3	3	SHAFTER	43	16.43	C-2		39	BAKERSFIELD	58	46.89	C-22		75	BAKERSFIELD	58	R59.44	C-41		111	BAKERSFIELD	178	00.89	C-62
	4	SHAFTER	43	16.63	C-2	7	40	BAKERSFIELD	58	46.89	C-22	8	76	BAKERSFILED	58	R59.44	C-41		112	BAKERSFIELD	178	00.96	C-63
	5	SHAFTER	43	17.17	C-3		41	BAKERSFIELD	58	47.27	C-23		77	BAKERSFIELD	58	R59.44	C-42		113	BAKERSFIELD	178	00.96	C-63
	6	SHAFTER	43	17.28	C-3		42	BAKERSFIELD	58	47.43	C-24		78	BAKERSFIELD	58	R59.44	C-42		114	BAKERSFIELD	178	00.96	C-64
4	7	WASCO	43	R23.62	C-4		43	BAKERSFIELD	58	47.43	C-24		79	BAKERSFIELD	58	R59.44	C-43		115	BAKERSFIELD	178	00.96	C-64
	8	WASCO	43	R24.12	C-5		44	BAKERSFIELD	58	47.52	C-25		80	BAKERSFIELD	58	R59.44	C-43		116	BAKERSFIELD	178	01.02	C-65
	9	WASCO	43	R24.12	C-5		45	BAKERSFIELD	58	47.52	C-25		81	BAKERSFIELD	58	R59.44	C-44	15	117	BAKERSFIELD	178	01.02	C-65
	10	WASCO	43	R24.71	C-6		46	BAKERSFIELD	58	48.36	C-26		82	BAKERSFIELD	58	R59.44	C-44		118	BAKERSFIELD	178	01.09	C-66
	11	WASCO	43	R24.89	C-6		47	BAKERSFIELD	58	49.71	C-26		83	BAKERSFIELD	99	17.50	C-45		119	BAKERSFIELD	178	01.09	C-66
	12	WASCO	43	R25.18	C-7		48	BAKERSFIELD	58	49.40	C-27	9	84	BAKERSFIELD	99	17.50	C-45		120	BAKERSFIELD	178	01.15	C-67
	13	WASCO	43	R25.18	C-7		49	BAKERSFIELD	58	49.40	C-27		85	BAKERSFIELD	99	17.50	C-46		121	BAKERSFIELD	178	01.18	C-68
	14	WASCO	43	R25.18	C-8		50	BAKERSFIELD	58	R53.39	C-28		86	BAKERSFILD	99	17.50	C-46		122	BAKERSFIELD	178	01.18	C-68
	15	WASCO	43	R25.18	C-8		51	BAKERSFIELD	58	R53.39	C-28	10	87	BAKERSFIELD	99	21.60	C-47		123	BAKERSFIELD	178	01.50	C-69
5	16	LOST HILLS	46	30.13	C-9		52	BAKERSFIELD	58	R54.41	C-29	11	88	MCFARLAND	99	49.30	C-48		124	BAKERSFIELD	178	01.62	C-69
	17	LOST HILLS	46	30.22	C-9		53	BAKERSFIELD	58	R54.41	C-29		89	DELANO	99	57.45	C-49		125	BAKERSFIELD	178	R2.41	C-70
	18	LOST HILLS	46	30.39	C-10		54	BAKERSFIELD	58	R56.41	C-30	12	90	DELANO	99	57.55	C-50		126	BAKERSFIELD	178	R2.41	C-70
	19	I-5/46	46	32.29	C-10		55	BAKERSFIELD	58	R56.41	C-31		91	DELANO	99	57.55	C-50		127	BAKERSFIELD	178	R2.41	C-71
	20	I-5/46	46	32.18	C-11		56	BAKERSFIELD	58	R56.41	C-31		92	DELANO	155	R0.04	C-51		128	BAKERSFIELD	178	R2.41	C-71
6	21	BUTTONWILLOW	58	27.28	C-12		57	BAKERSFIELD	58	R56.41	C-32		93	DELANO	155	R0.04	C-51	16	129	BAKERSFIELD	178	T9.61	C-72
	22	BUTTONWILLOW	58	27.41	C-12		58	BAKERSFIELD	58	R56.41	C-32	13	94	DELANO	155	R0.12	C-52		130	WEED PATCH	184	00.00	C-73
	23	BUTTONWILLOW	58	27.53	C-13		59	BAKERSFIELD	58	R57.17	C-33		95	DELANO	155	R0.12	C-52		131	LAMONT	184	02.53	C-74
	24	BUTTONWILLOW	58	27.79	C-13	8	60	BAKERSFIELD	58	R57.17	C-33		96	DELANO	155	R0.37	C-53		132	LAMONT	184	04.32	C-74
	25	BUTTONWILLOW	58	27.66	C-14		61	BAKERSFIELD	58	R57.17	C-34		97	DELANO	155	R0.47	C-53		133	LAMONT	184	05.06	C-75
	26	BUTTONWILLOW	58	27.66	C-14		62	BAKERSFIELD	58	R57.17	C-34	14	98	MARICOPA	166	00.09	C-54	17	134	LAMONT	184	08.35	C-75
	27	I-5/58 AREA	58	31.53	C-15		63	BAKERSFIELD	58	R57.17	C-35		99	BAKERSFIELD	178	00.36	C-55		135	LAMONT	184	08.98	C-76
	28	I-5/58 AREA	58	31.53	C-15		64	BAKERSFIELD	58	R57.17	C-35		100	BAKERSFIELD	178	00.36	C-56		136	BAKERSFIELD	184	09.19	C-76
	29	I-5/58 AREA	58	31.75	C-16		65	BAKERSFIELD	58	R57.17	C-36		101	BAKERSFIELD	178	00.36	C-56		137	BAKERSFIELD	184	09.12	C-77
	30	I-5/58 AREA	58	31.75	C-16		66	BAKERSFIELD	58	R57.17	C-36		102	BAKERSFIELD	178	00.50	C-57		138	BAKERSFIELD	184	09.12	C-77
7	31	BAKERSFIELD	58	42.91	C-17		67	BAKERSFIELD	58	R58.43	C-37	15	103	BAKERSFIELD	178	00.50	C-57		139	BAKERSFIELD	184	09.24	C-78
	32	BAKERSFIELD	58	42.91	C-17		68	BAKERSFIELD	58	R58.43	C-37		104	BAKERSFIELD	178	00.50	C-58		140	BAKERSFIELD	184	09.37	C-78
	33	BAKERSFIELD	58	42.98	C-18		69	BAKERSFIELD	58	R58.43	C-38		105	BAKERSFIELD	178	00.50	C-58						
	34	BAKERSFIELD	58	45.49	C-19		70	BAKERSFIELD	58	R58.43	C-38		106	BAKERSFIELD	178	00.56	C-59						
	35	BAKERSFIELD	58	45.49	C-20		71	BAKERSFIELD	58	R59.44	C-39		107	BAKERSFIELD	178	00.56	C-59						
	36	BAKERSFIELD	58	45.49	C-20		72	BAKERSFIELD	58	R59.44	C-39		108	BAKERSFIELD	178	00.63	C-60						

LOCATIONS OF CONSTRUCTION

NO SCALE **LC-1**

REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 16:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	3	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 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.

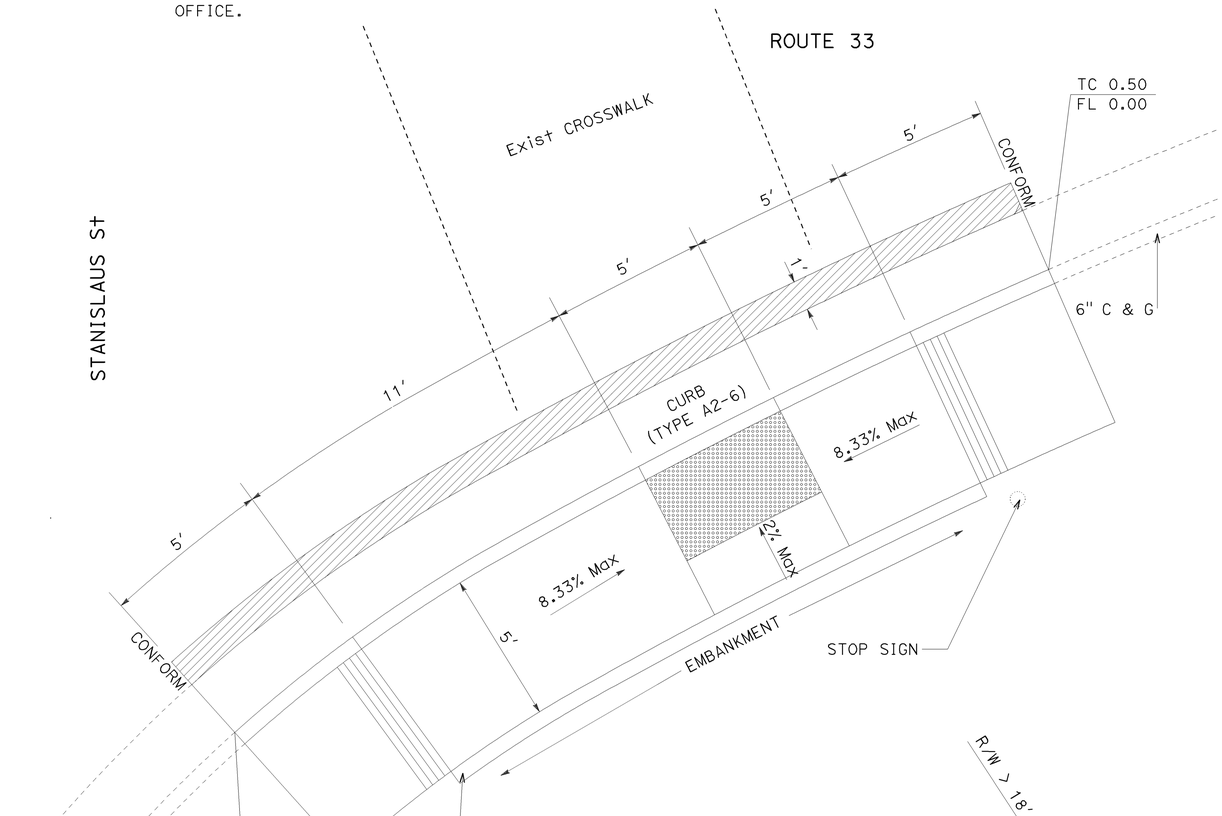
NOTES:
1. ALL ELEVATIONS ARE RELATIVE.
2. MATCH Exist FL UNLESS OTHERWISE NOTED.
3. DIMENSIONS MEASURED ALONG FACE OF CURB UNLESS OTHERWISE NOTED.
4. EXACT LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.
5. Max SLOPES TAKE PRECEDENT OVER DIMENSIONS SHOWN ON THE PLANS.
6. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND

REPLACE AC SURFACING (HMA-0.50' DEPTH)

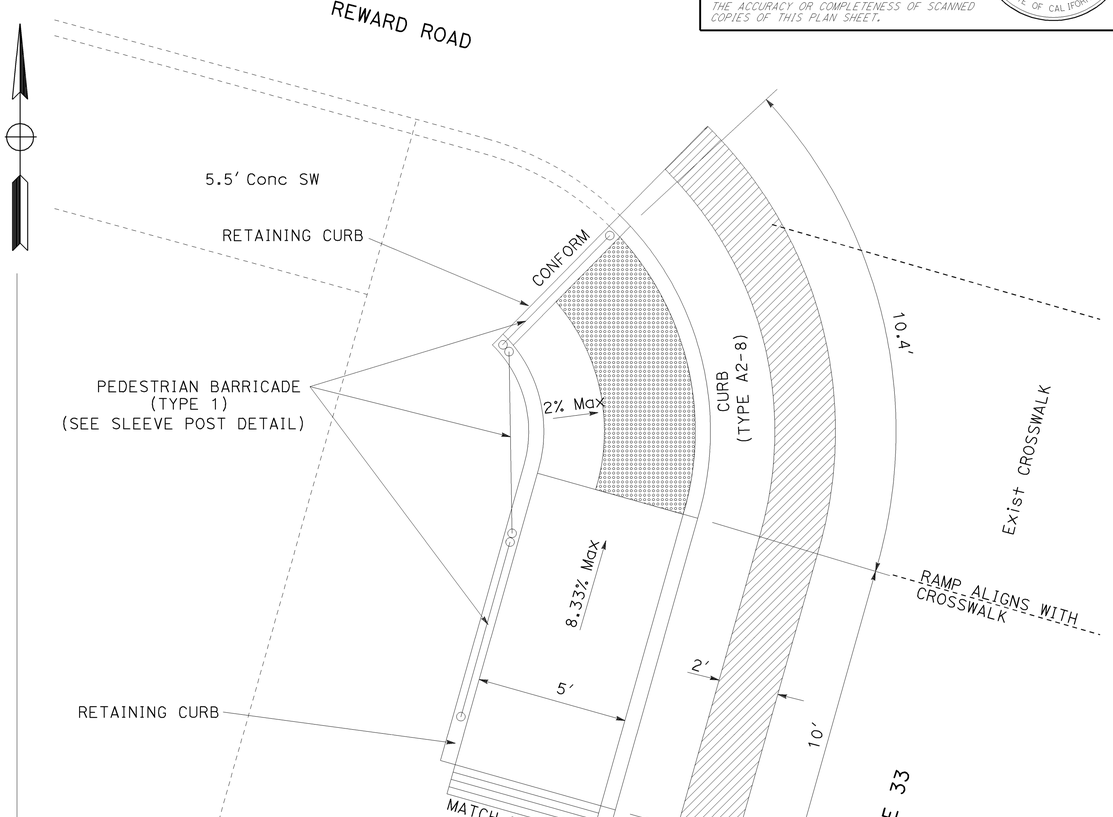
C & G: CURB AND GUTTER

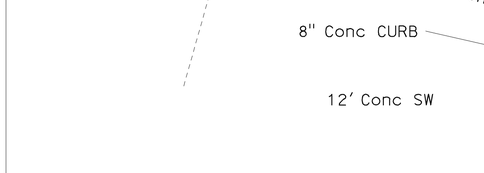
DETECTABLE WARNING SURFACE



NOTE: CENTER CURB RAMP ON Exist CROSSWALK

CURB RAMP No. 1
CASE C
ROUTE 33 - PM R11.44
STANISLAUS STREET
(SE CORNER)





SLEEVE POST DETAIL

CURB RAMP No. 2
MODIFIED CASE C
ROUTE 33 - PM 34.11
REWARD ROAD
(SW CORNER)

CONSTRUCTION DETAILS

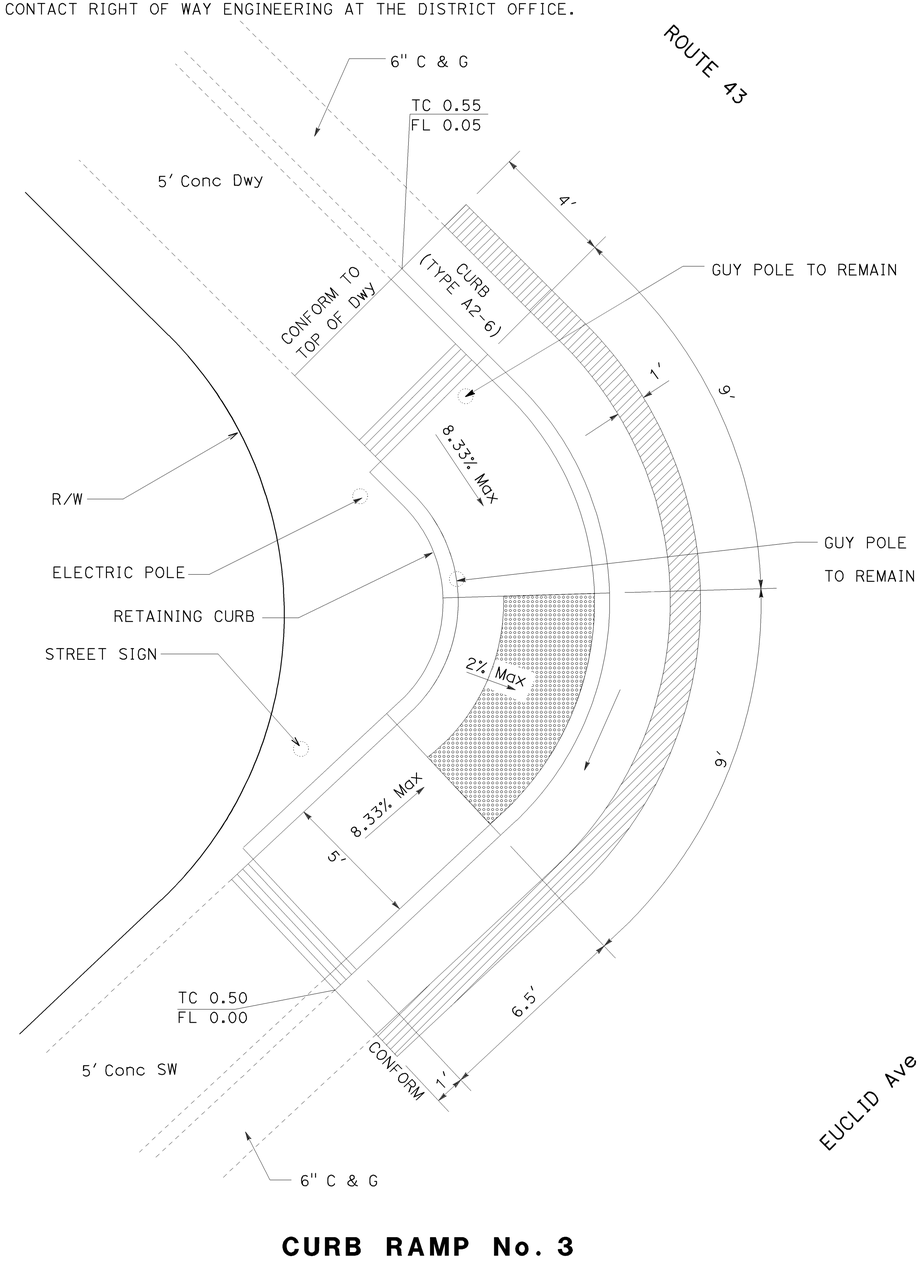
NO SCALE **C-1**

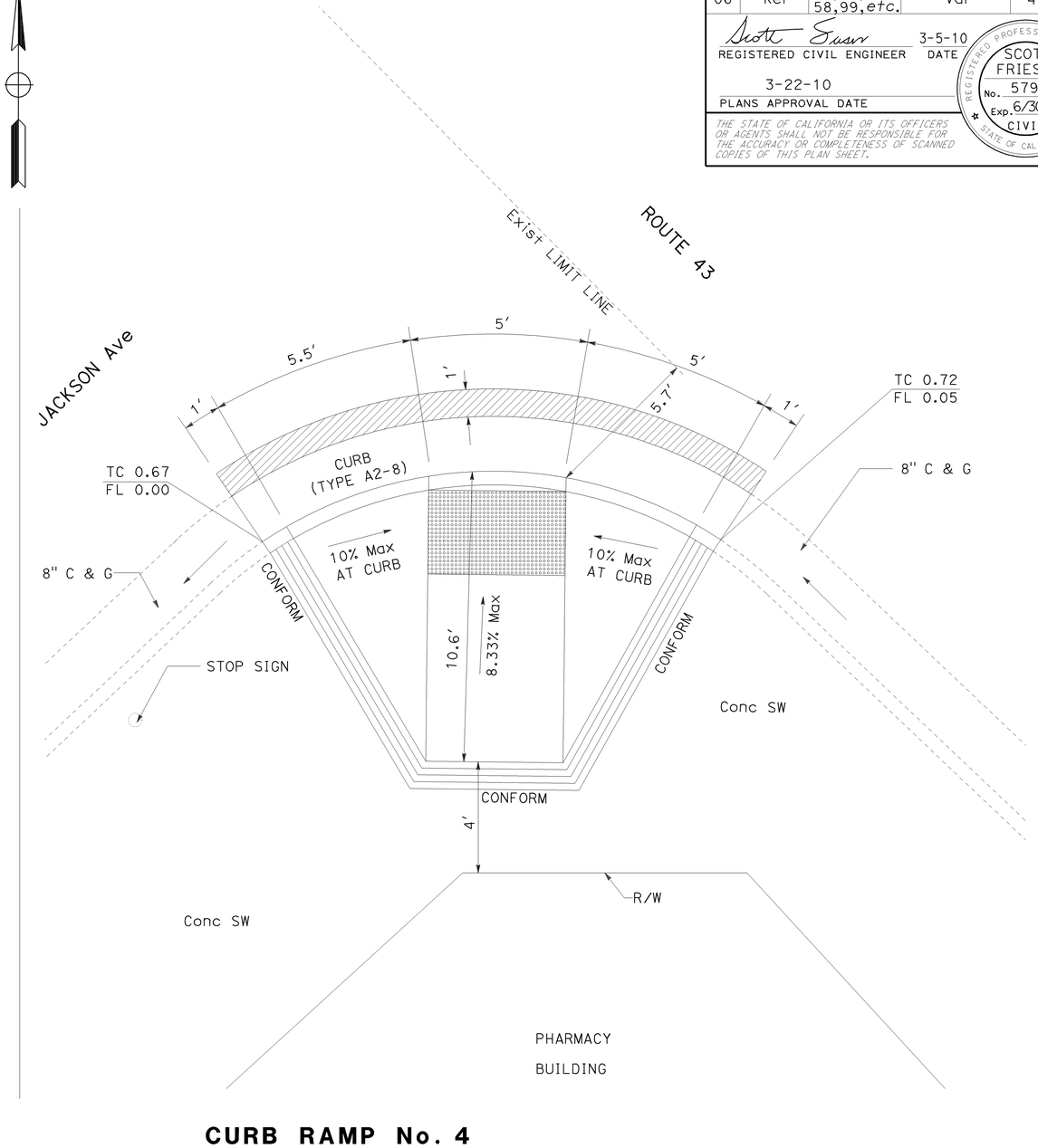
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:26 09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga001.dgn
CU 06252
EA 0G9401

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





CURB RAMP No. 3

CASE C

ROUTE 43 - PM 16.43

EUCLID Ave

(NW CORNER)

CURB RAMP No. 4

CASE A

ROUTE 43 - PM 16.63

JACKSON Ave

(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE

C-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	4	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 18:26

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga002.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	5	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — STATE OF CALIFORNIA

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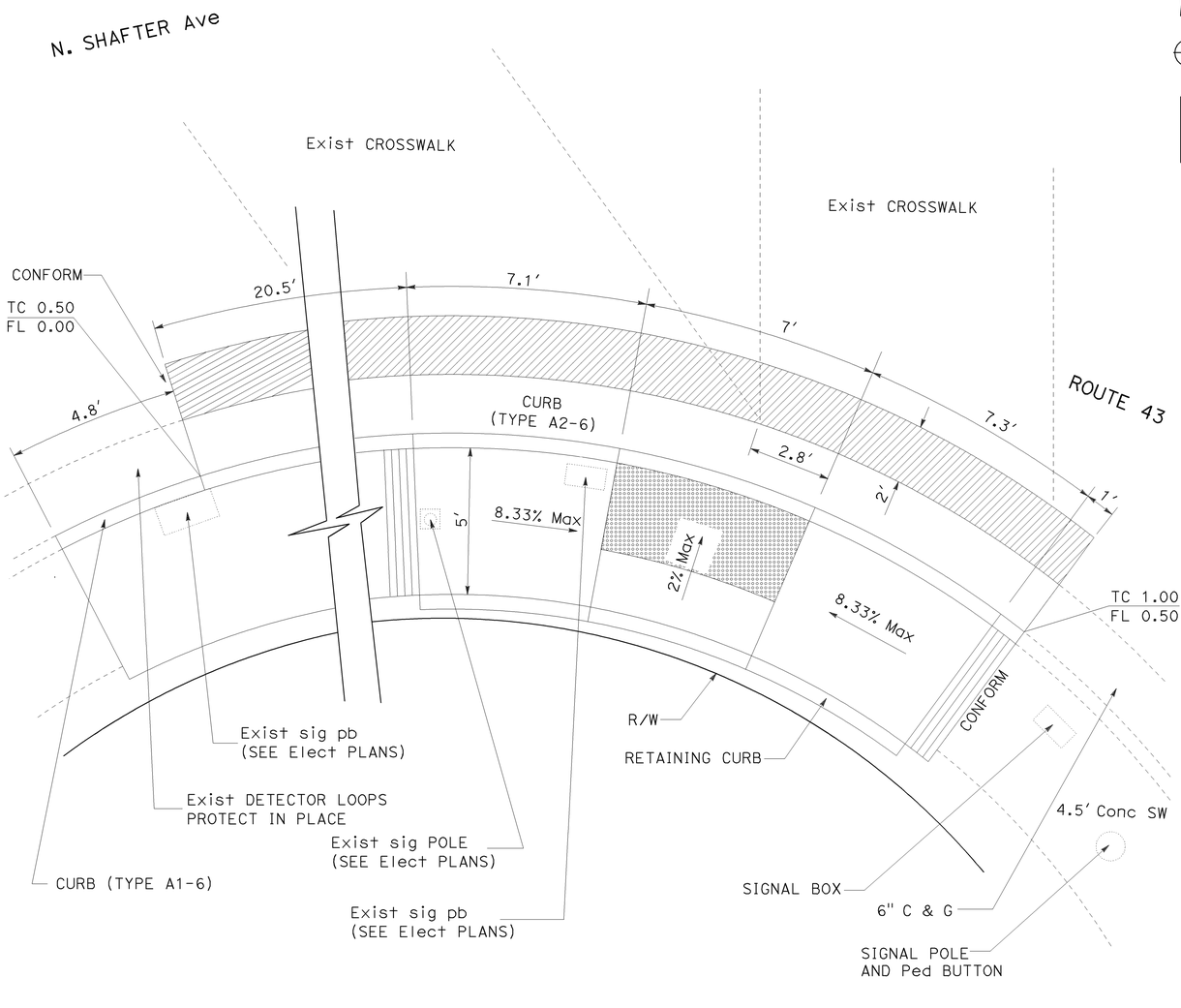
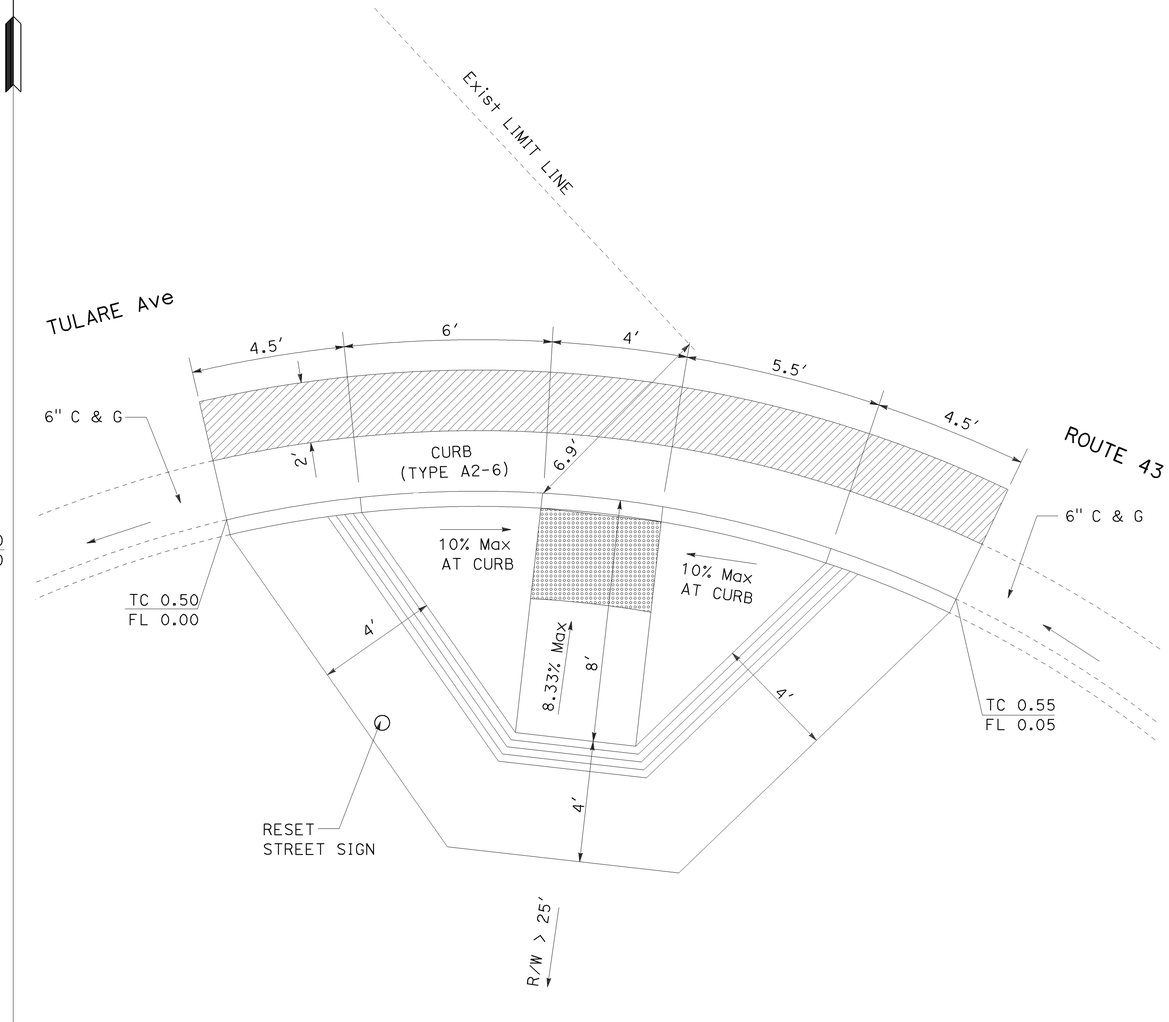
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 5
CASE C
ROUTE 43 - PM 17.17
SHAFTER Ave
(SW CORNER)



CURB RAMP No. 6
CASE A
ROUTE 43 - PM 17.28
TULARE Ave
(SW CORNER)

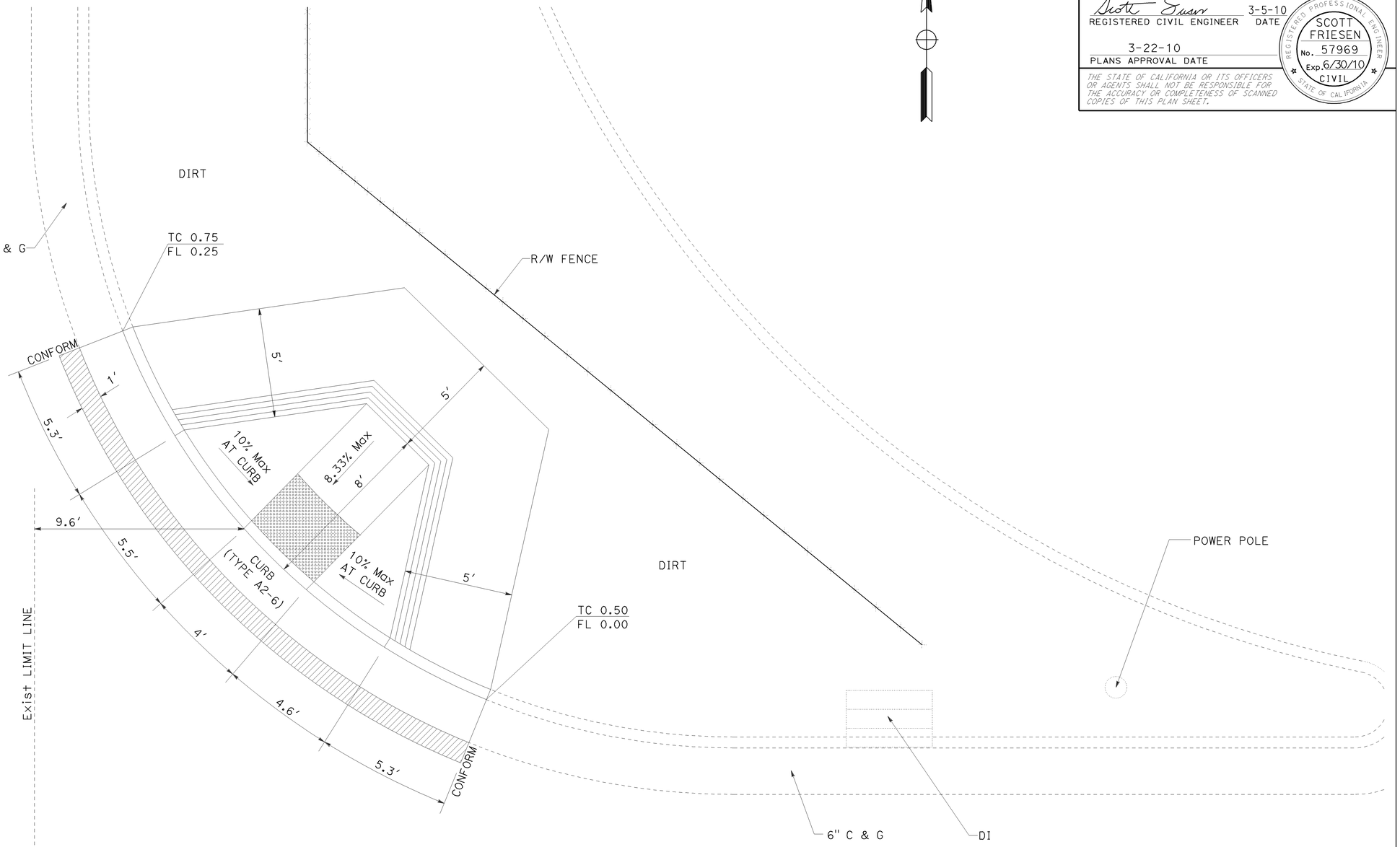
CONSTRUCTION DETAILS

NO SCALE **C-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

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



CURB RAMP No. 7
CASE A
ROUTE 43 - PM R23.62
FILBURN St
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE

C-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	6	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga004.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	7	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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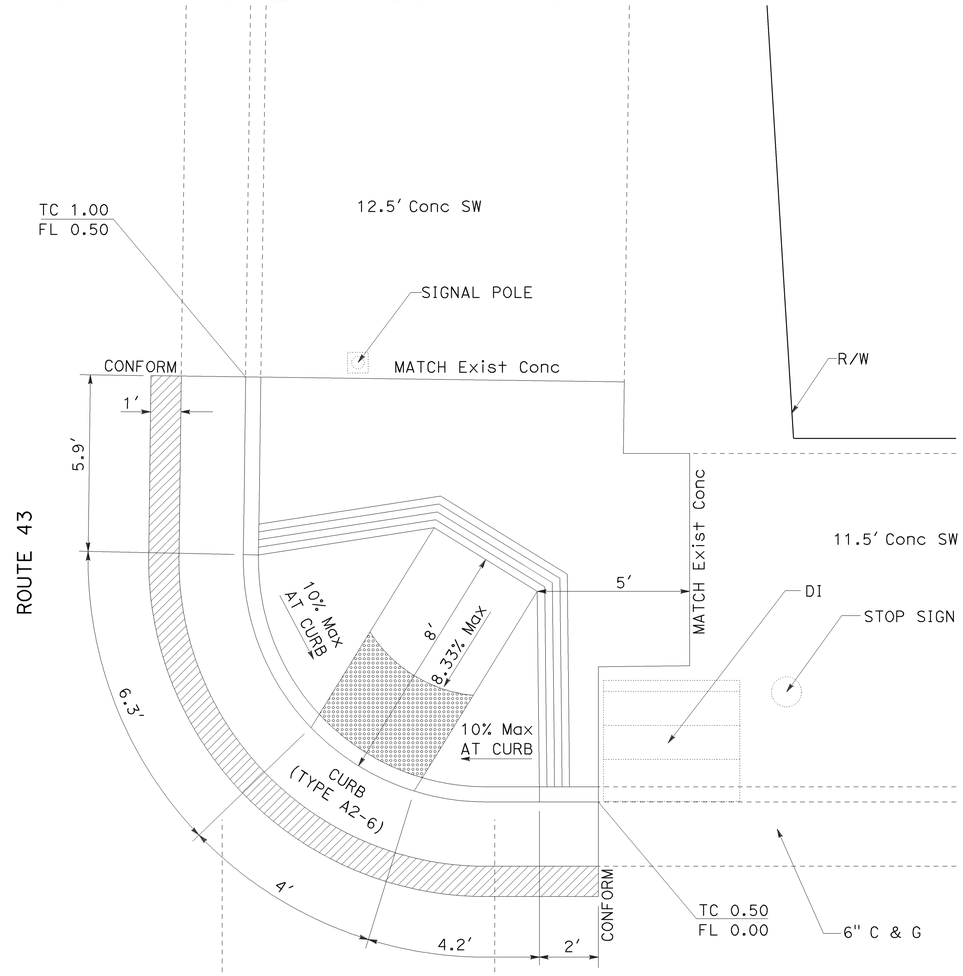
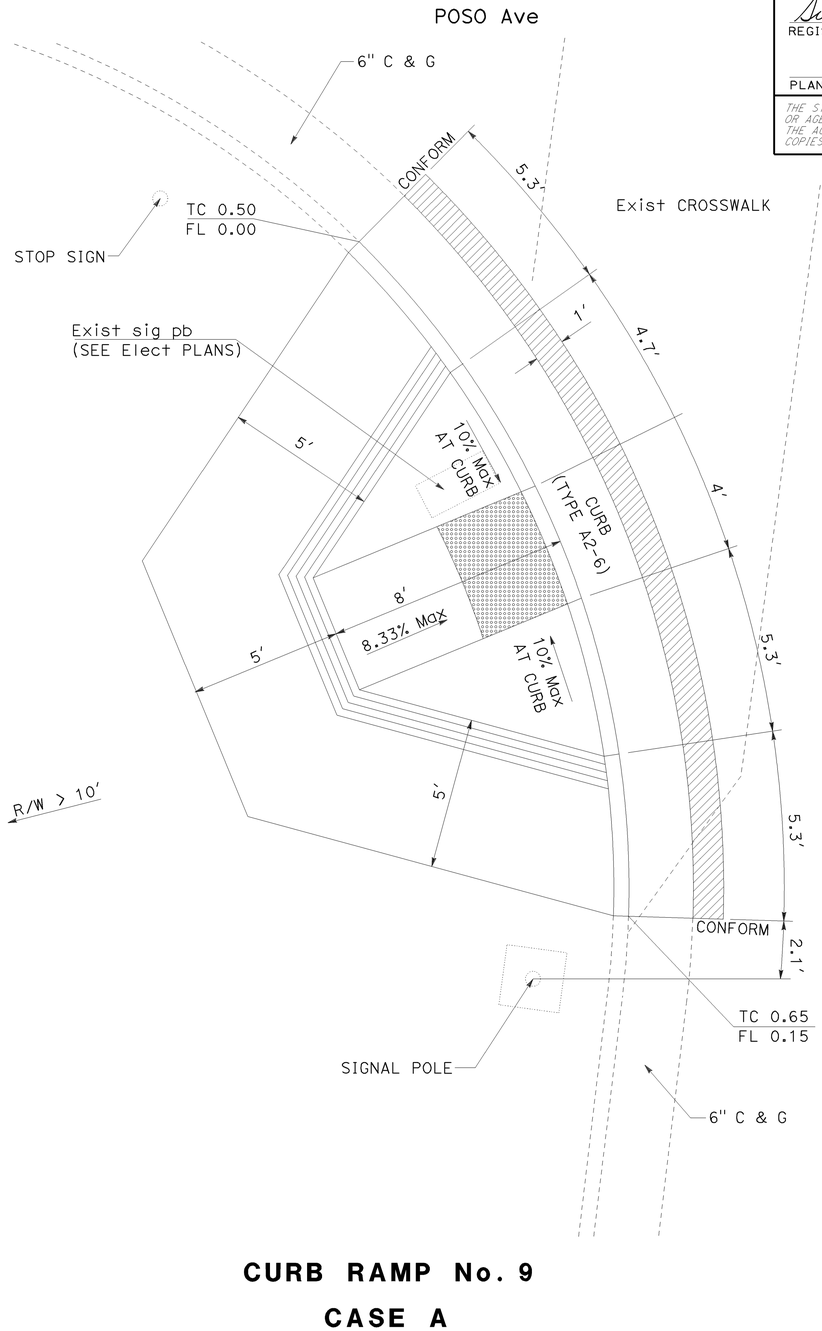
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 8
CASE A
ROUTE 43 - PM R24.12
POSO Ave
(NE CORNER)



CURB RAMP No. 9
CASE A
ROUTE 43 - PM R24.12
POSO Ave
(SW CORNER)

CONSTRUCTION DETAILS

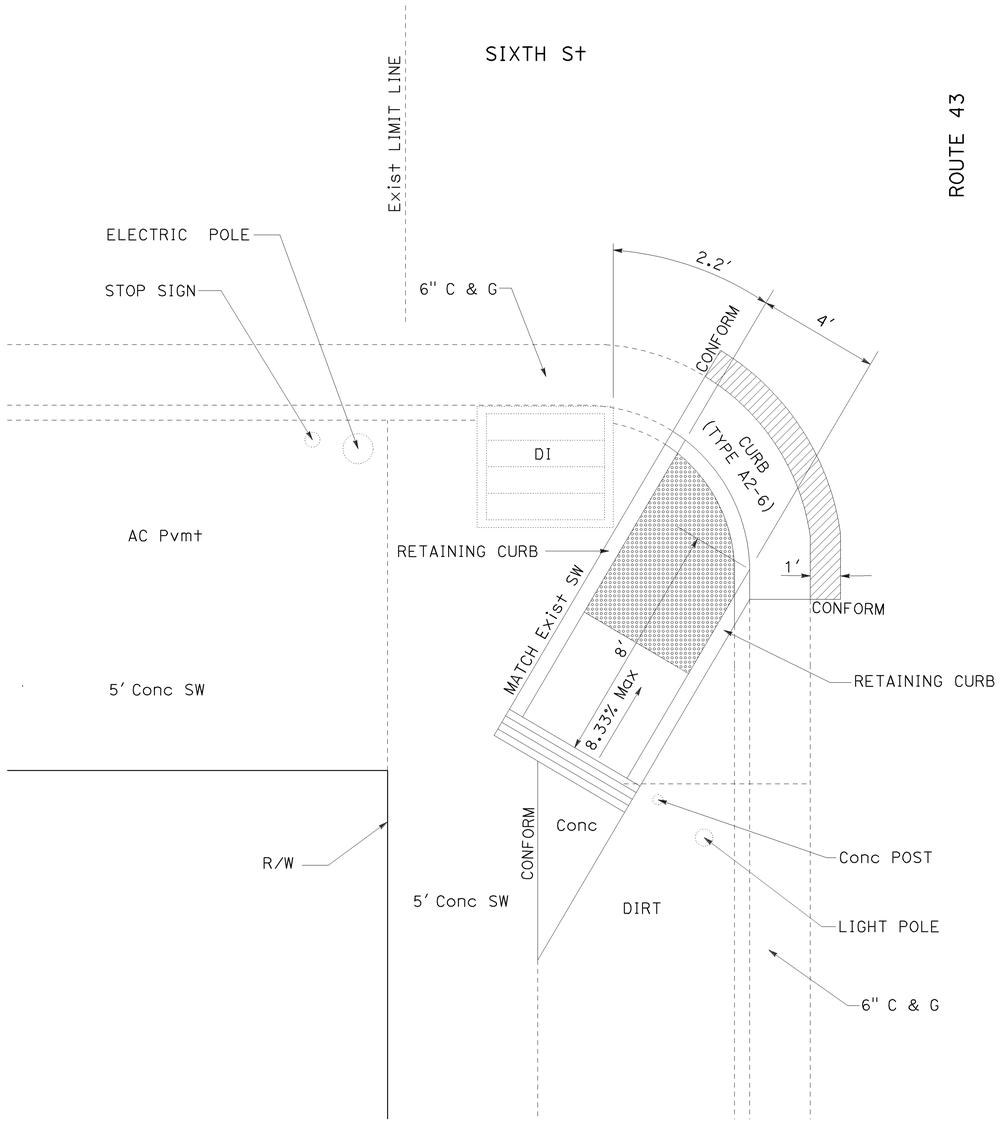
NO SCALE **C-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

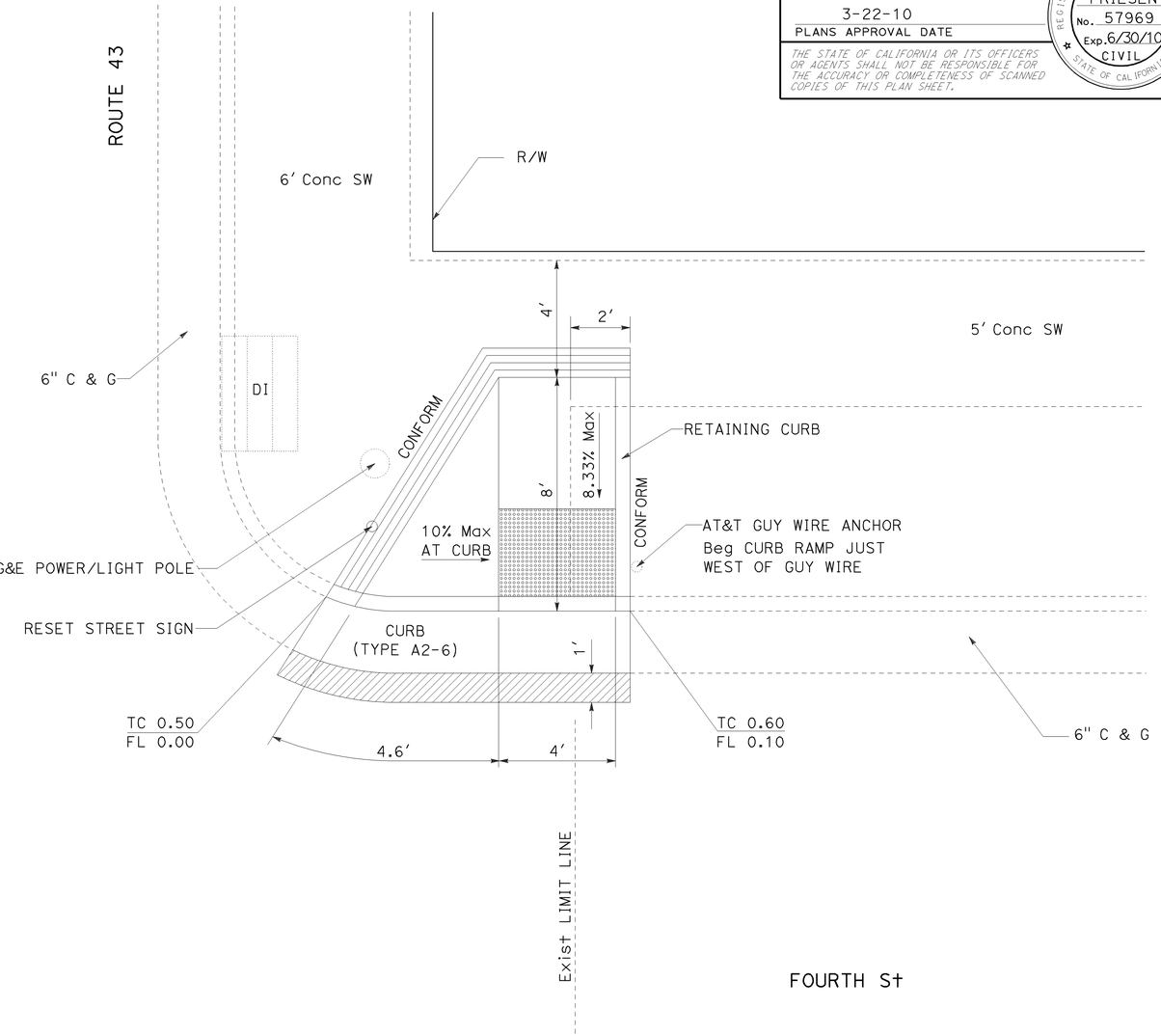
LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga005.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 10
CASE F
ROUTE 43 - PM R24.71
SIXTH St
(SW CORNER)



CURB RAMP No. 11
CASE G
ROUTE 43 - PM R24.89
FOURTH St
(NE CORNER)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	8	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

CONSTRUCTION DETAILS

NO SCALE **C-6**

REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION: DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	9	129

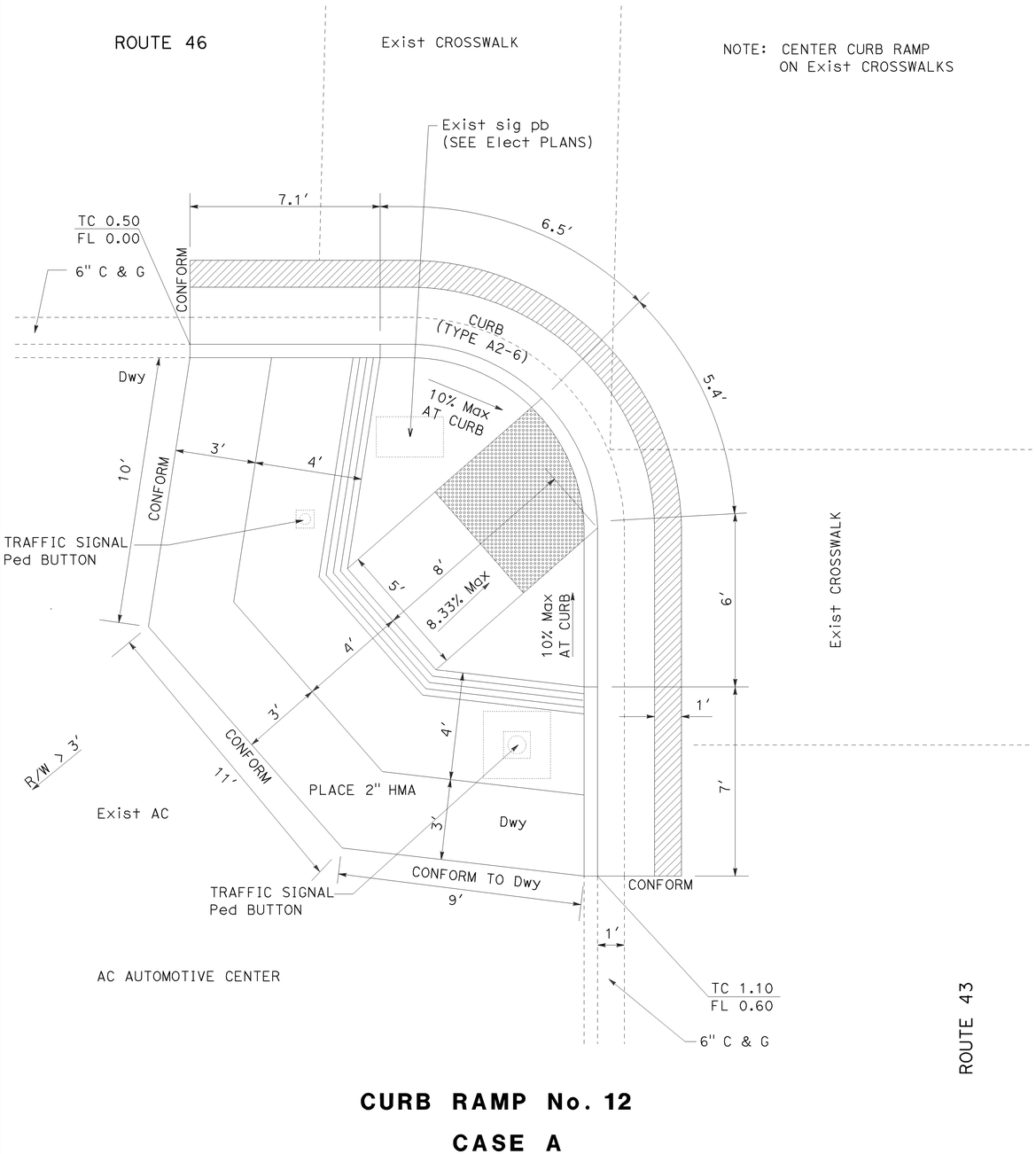
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

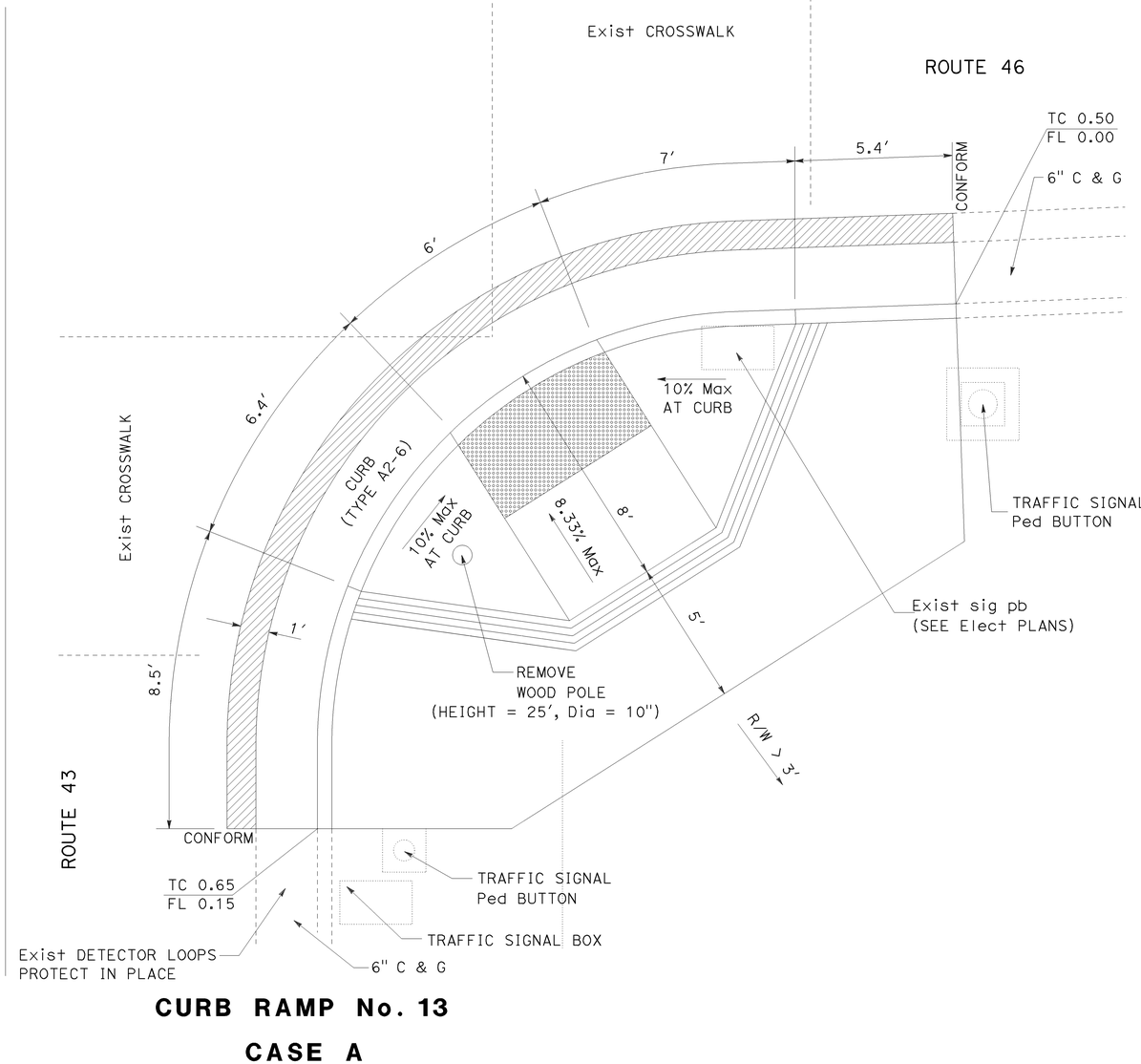
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 12
CASE A
ROUTE 43 - PM R25.18
43/46 INTERSECTION
(SW CORNER)



CURB RAMP No. 13
CASE A
ROUTE 43 - PM R25.18
43/46 INTERSECTION
(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:27
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga007.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	10	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
PLANS APPROVAL DATE

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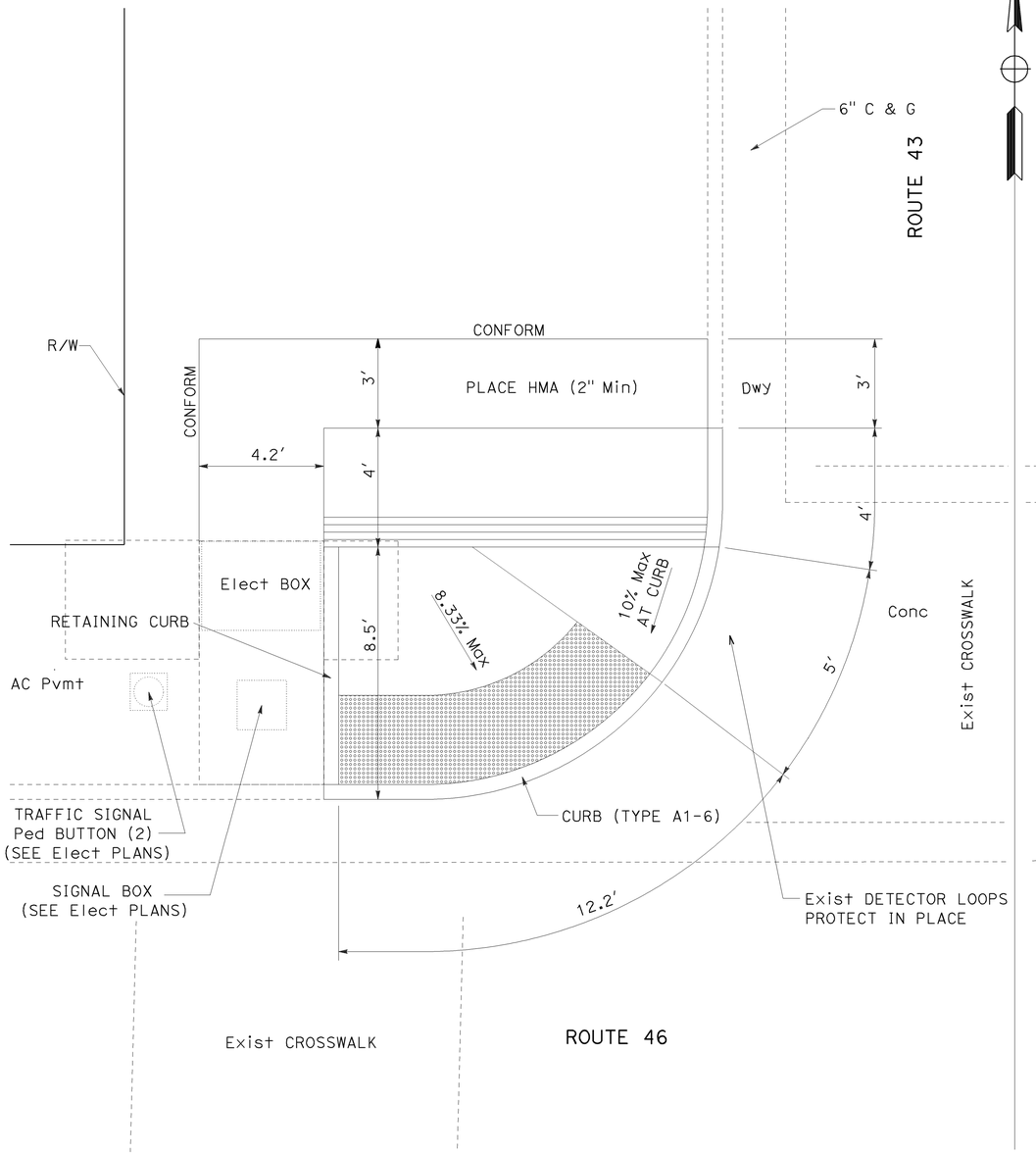
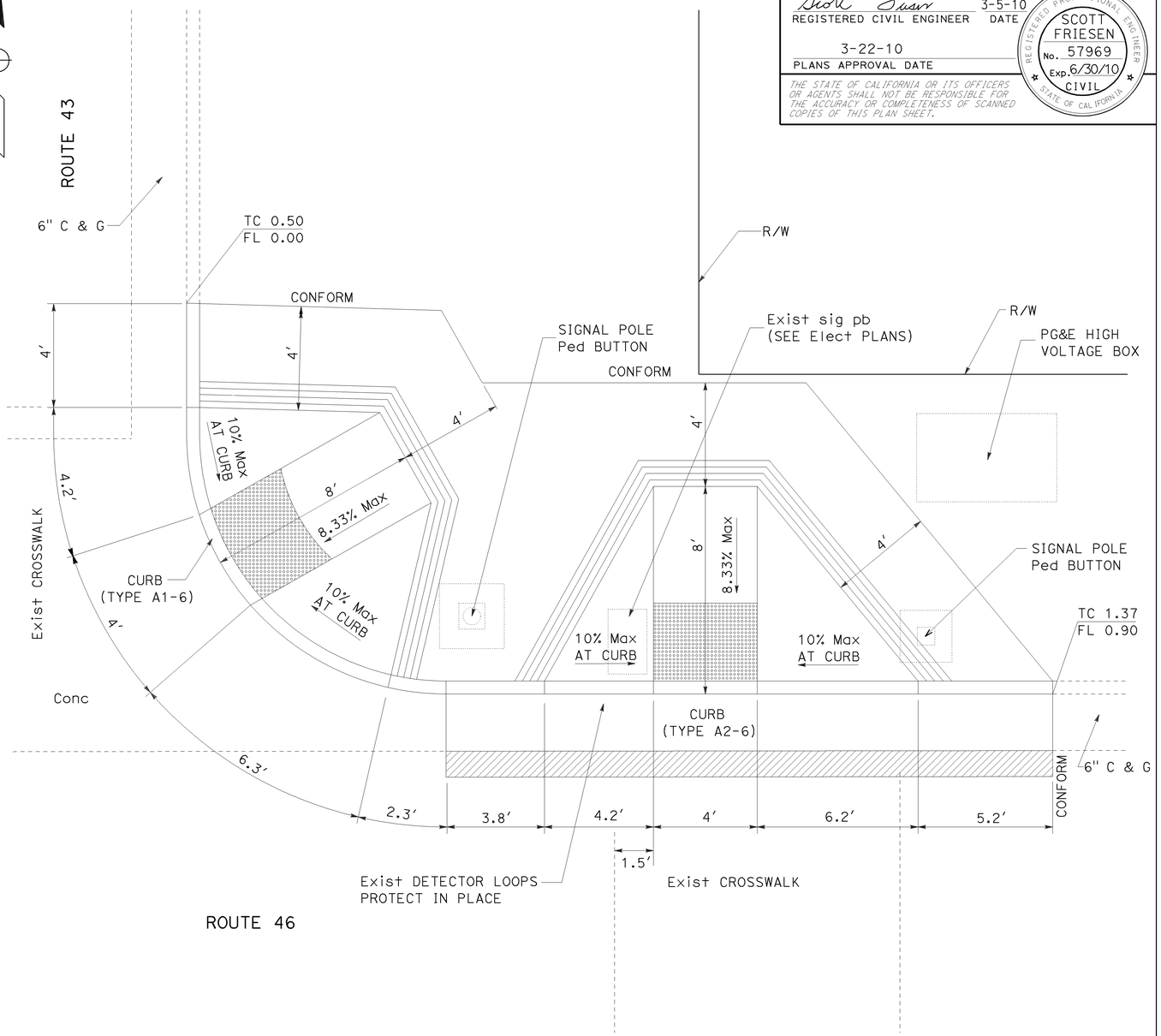
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 14
CASE G
ROUTE 43 - PM R25.18
43/46 INTERSECTION
(NW CORNER)



CURB RAMP No. 15
CASE A
ROUTE 43 - PM R25.18
43/46 INTERSECTION
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-8**

LAST REVISION | DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 16:27
09-22-09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga008.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	11	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp 6/30/10 — CIVIL — STATE OF CALIFORNIA

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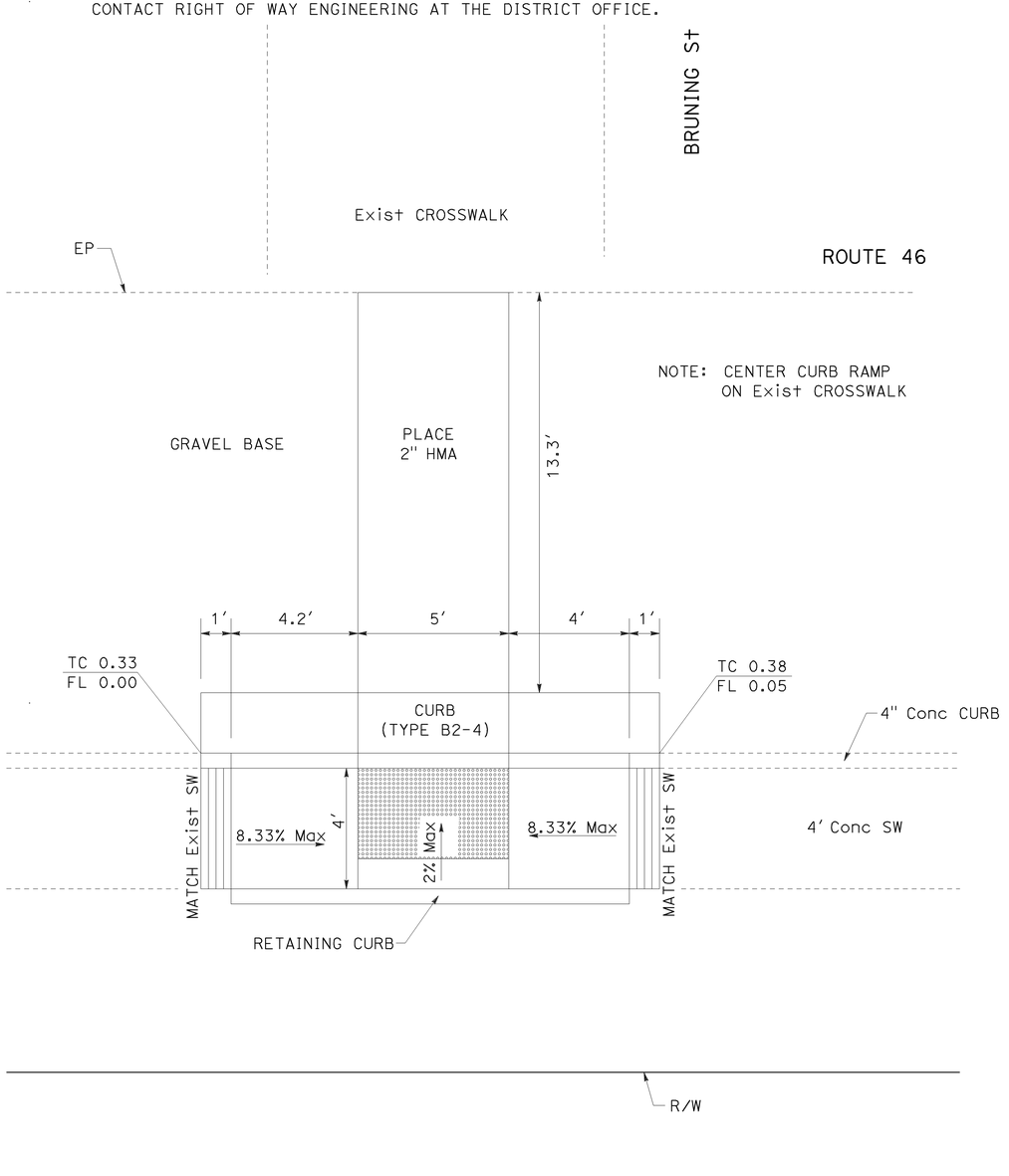
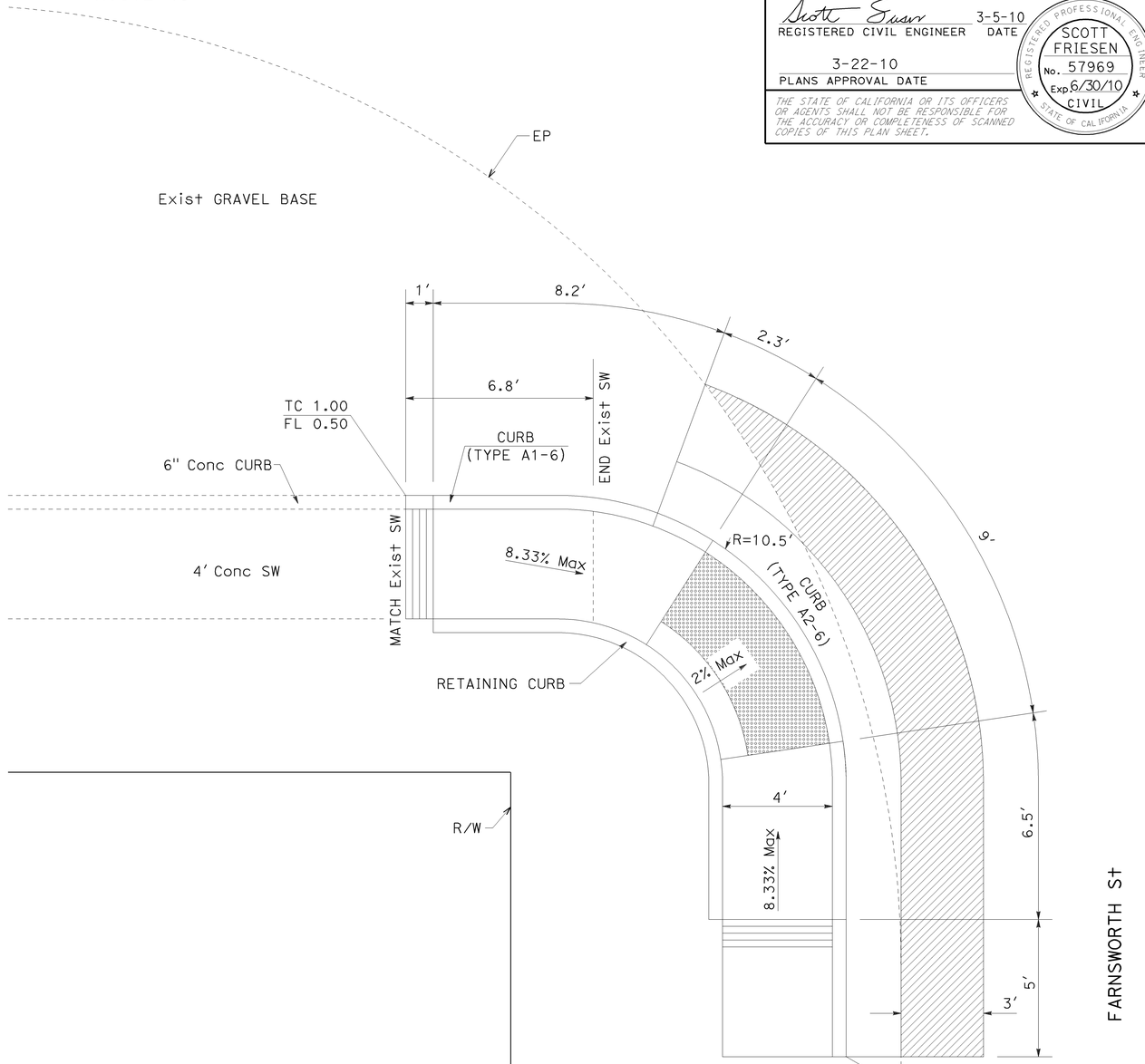


CURB RAMP No. 16
CASE C
ROUTE 46 - PM 30.13
BRUNING St
(SW CORNER)



CURB RAMP No. 17
CASE C
ROUTE 46 - PM 30.22
FARNSWORTH St
(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 08:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga009.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	12	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — STATE OF CALIFORNIA

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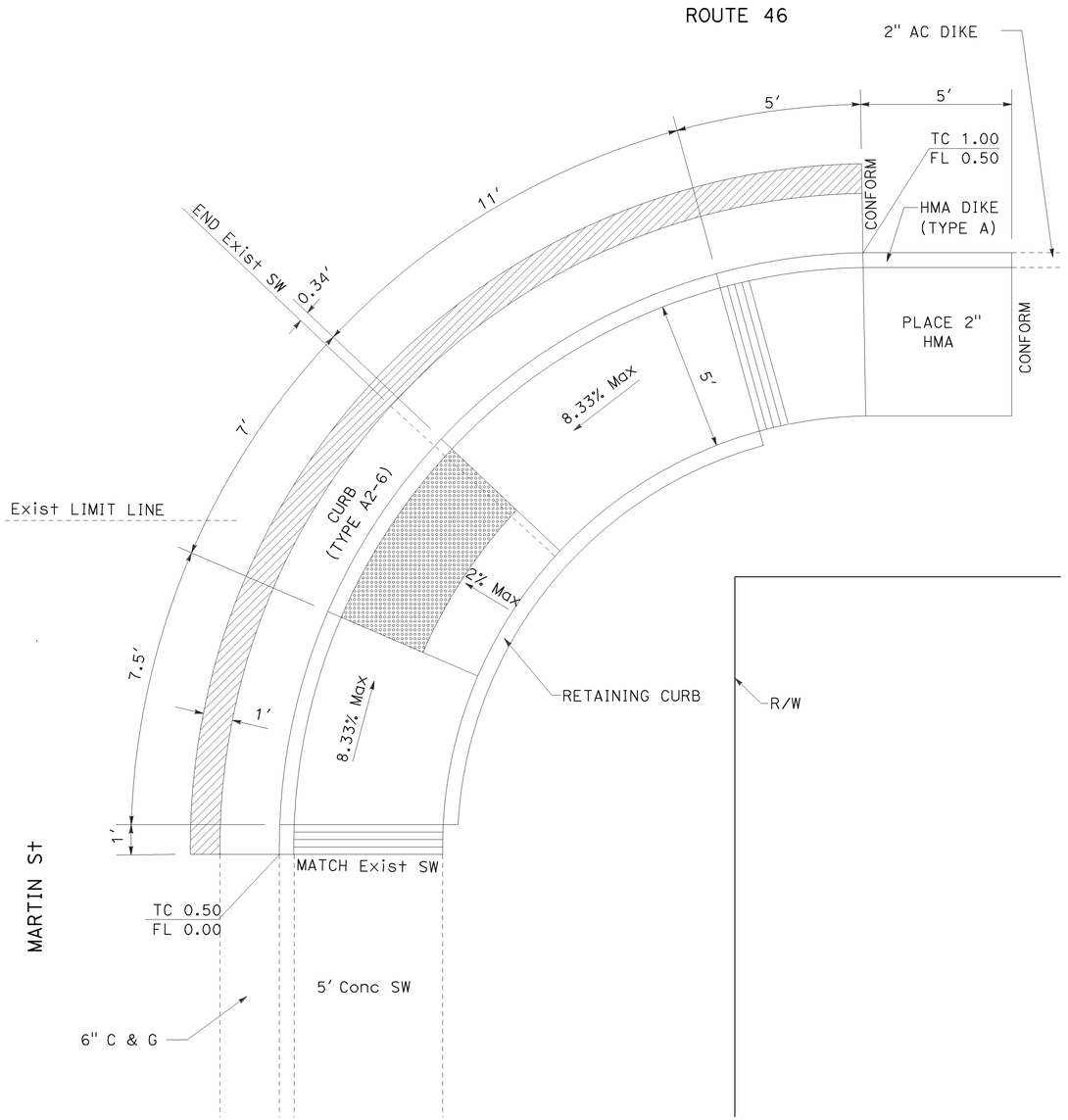
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



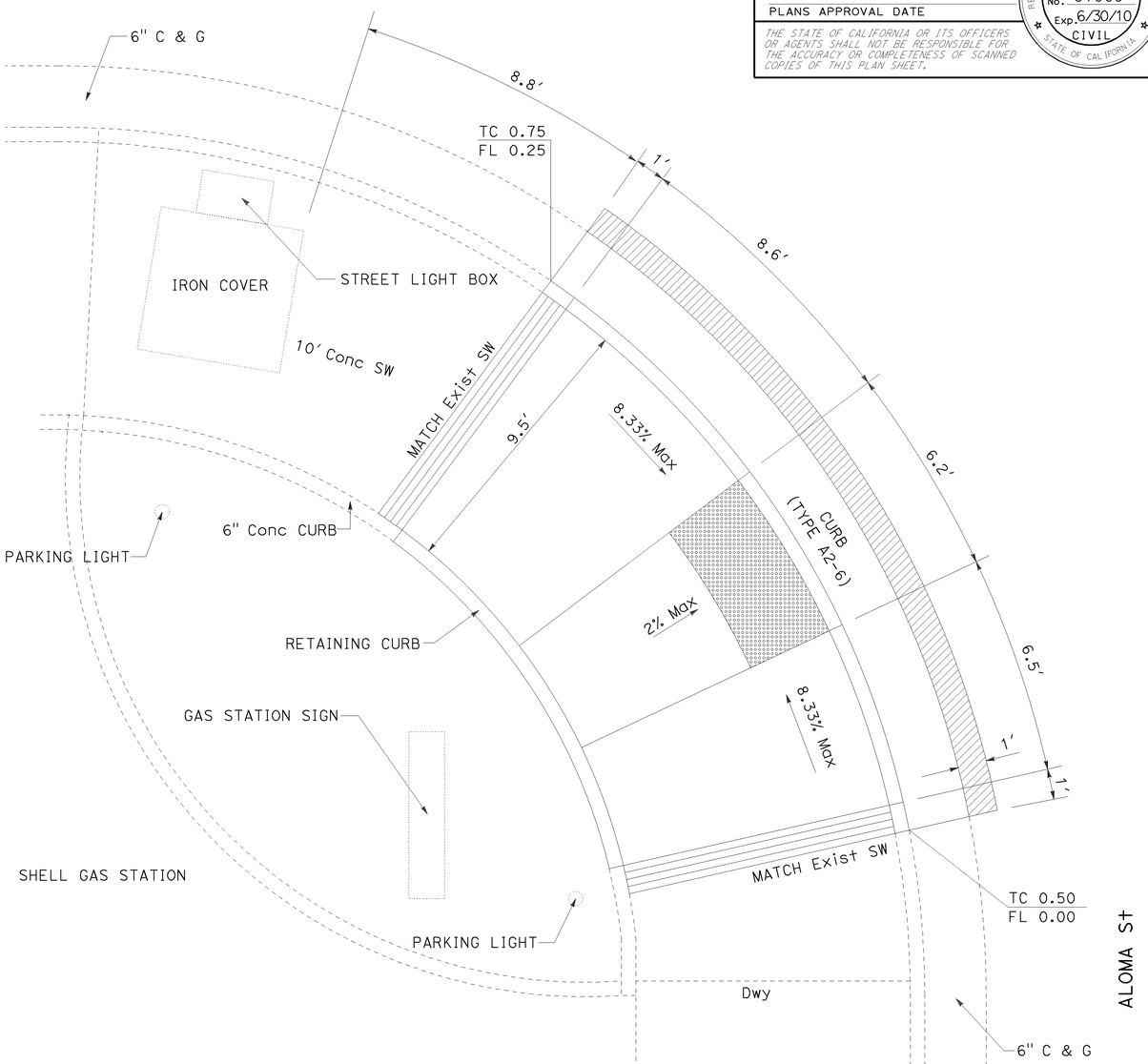
CURB RAMP No. 18

CASE C

ROUTE 46 - PM 30.39

MARTIN St

(SE CORNER)



CURB RAMP No. 19

CASE C

ROUTE 46 - PM 32.29

ALOMA St

(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 08:27
09-22-09

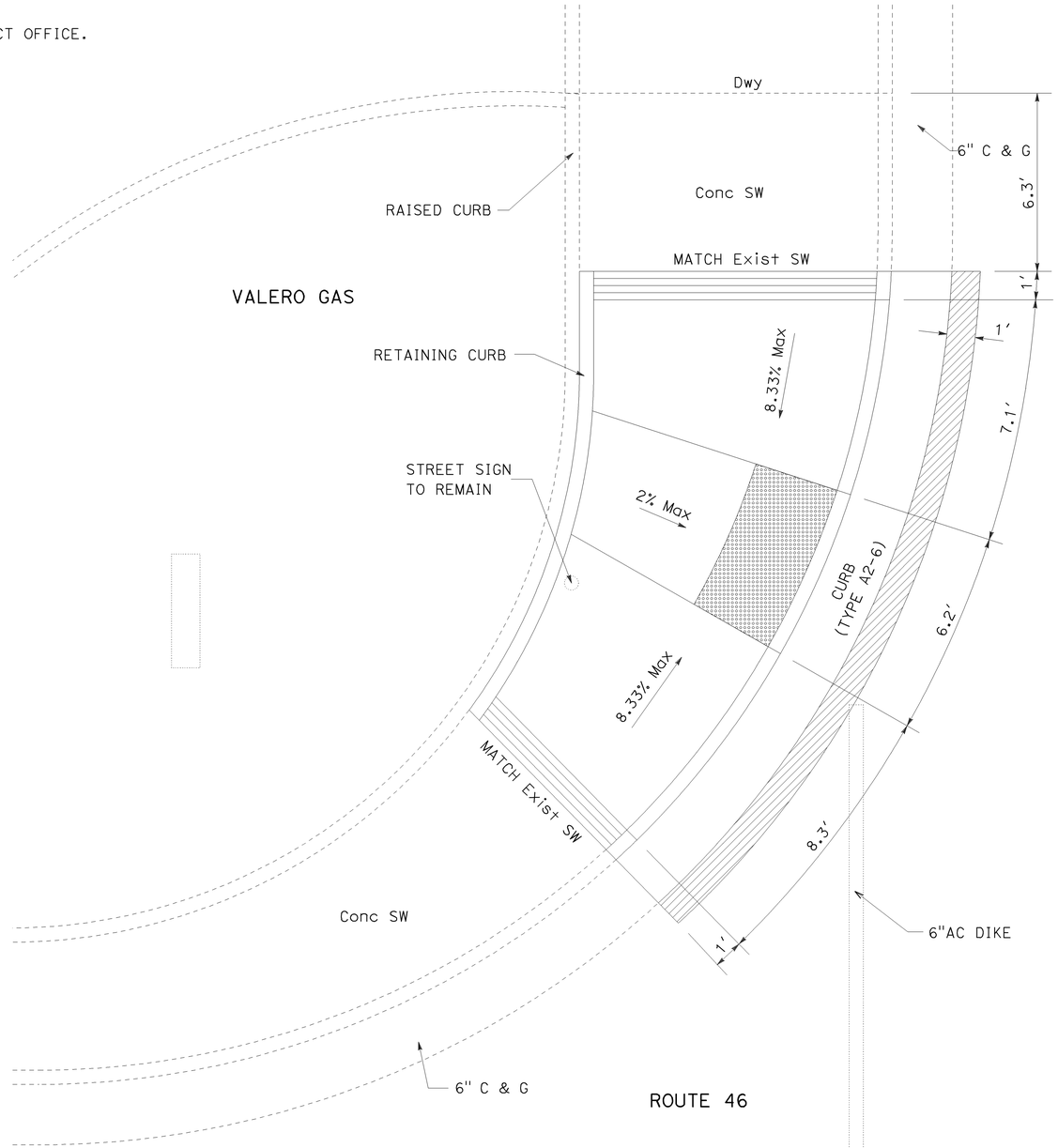
BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga010.dgn

CU 06252 EA 0G9401

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



WARREN Dr

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	13	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

CURB RAMP No. 20
CASE C
ROUTE 46 - PM 32.18
WARREN Dr
(NW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-11**

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
TAREK CHOWDHURY
SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR
MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga011.dgn
CU 06252
EA 0G9401

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	14	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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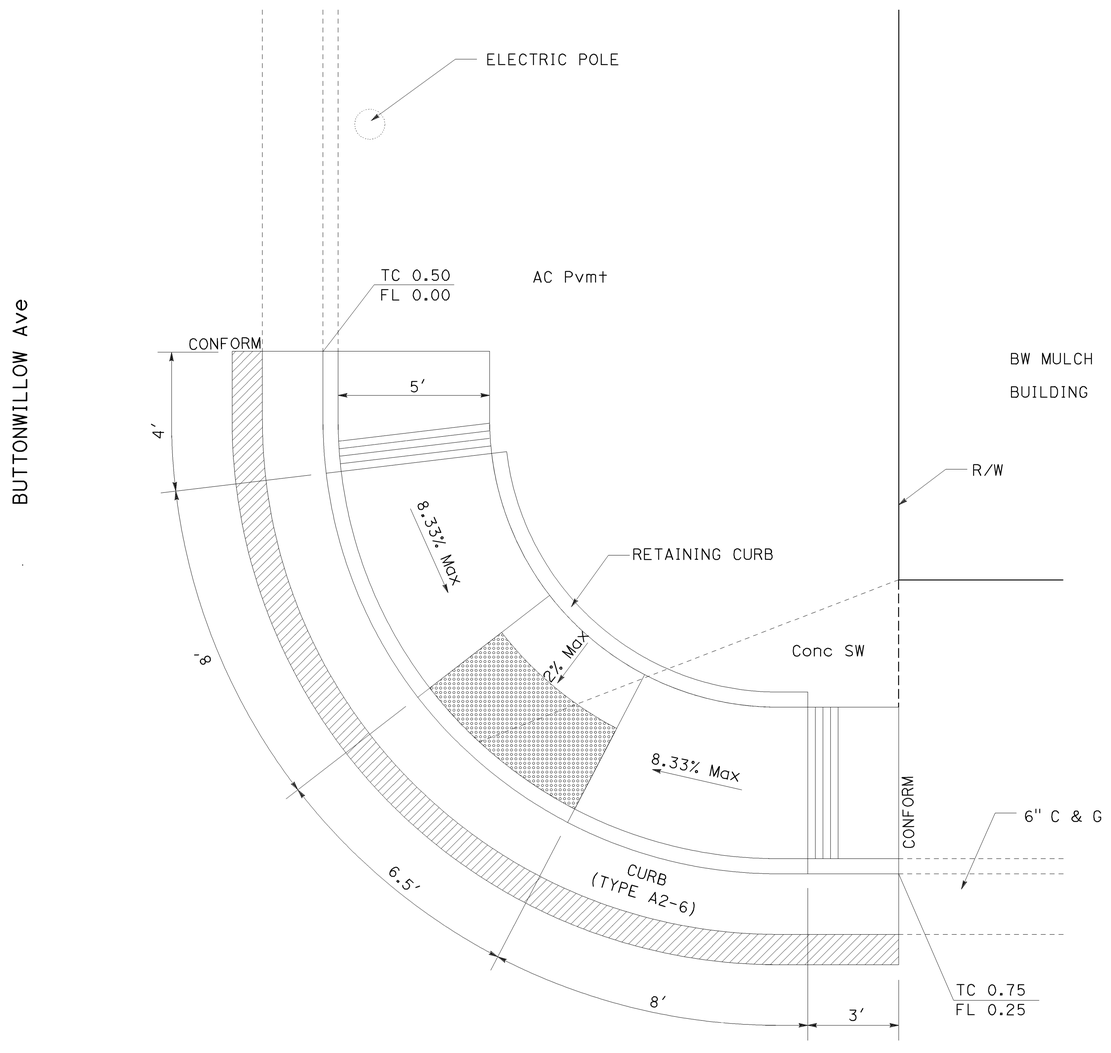
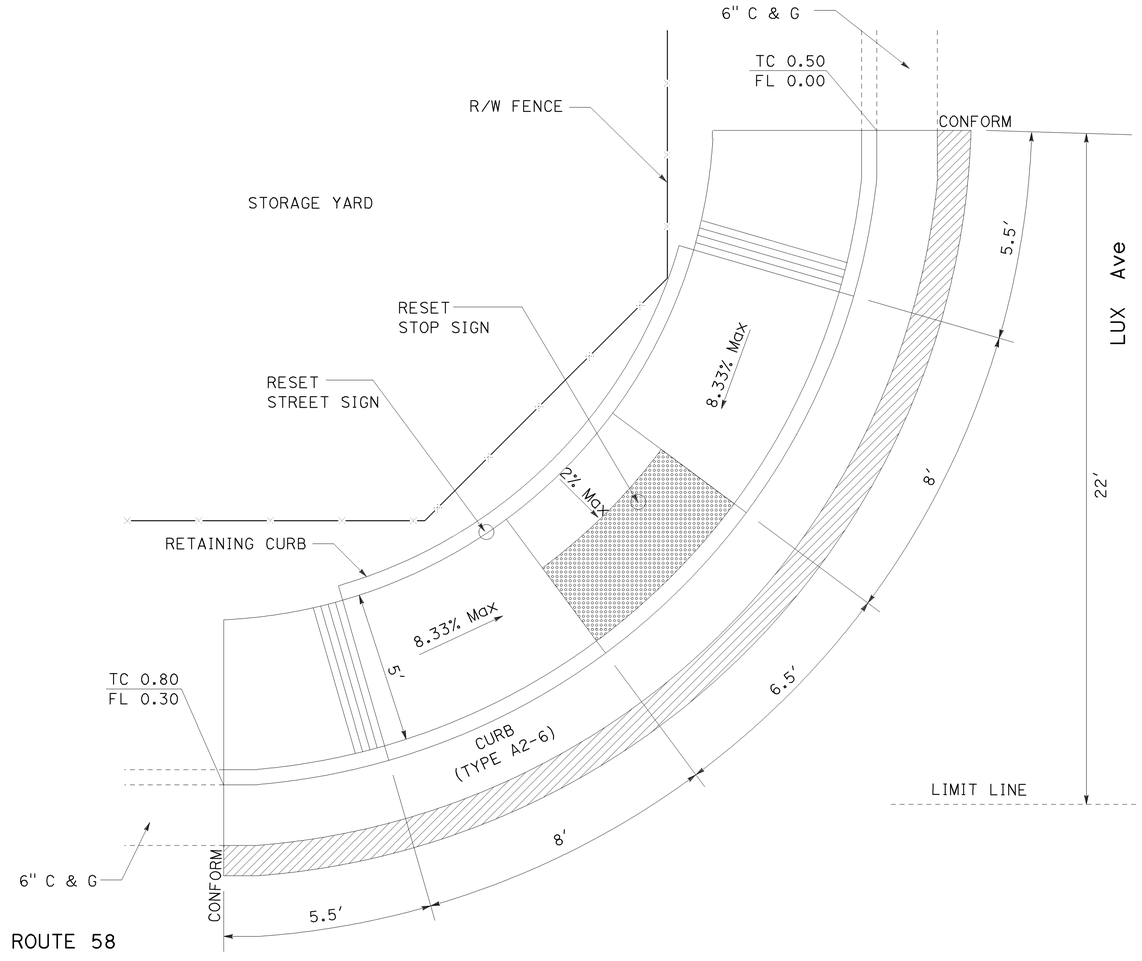


ROUTE 58

CURB RAMP No. 21
CASE A
ROUTE 58 - PM 27.28
BUTTONWILLOW Ave
(NE CORNER)



ROUTE 58

CURB RAMP No. 22
CASE C
ROUTE 58 - PM 27.41
LUX Ave
(NW CORNER)

CONSTRUCTION DETAILS

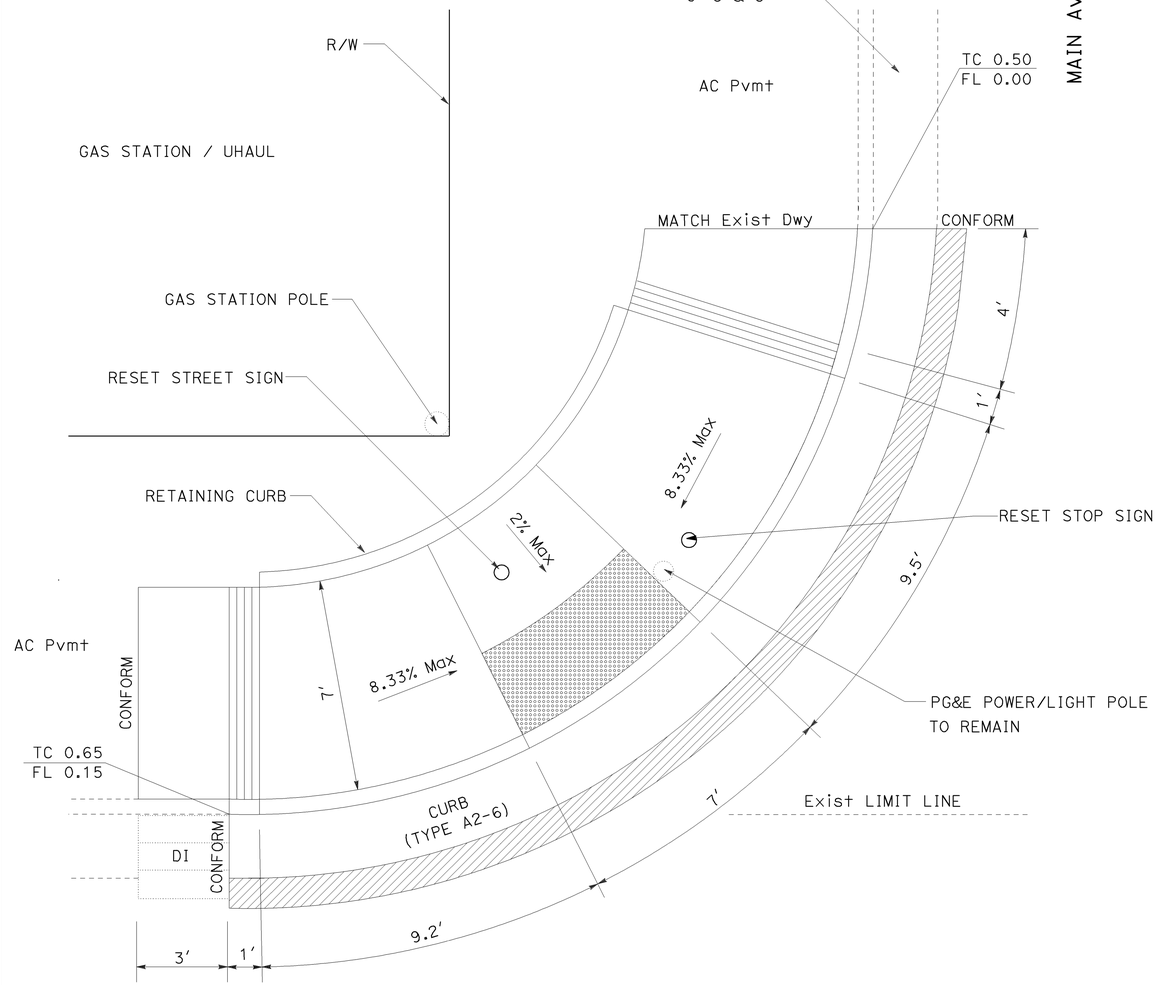
NO SCALE **C-12**

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

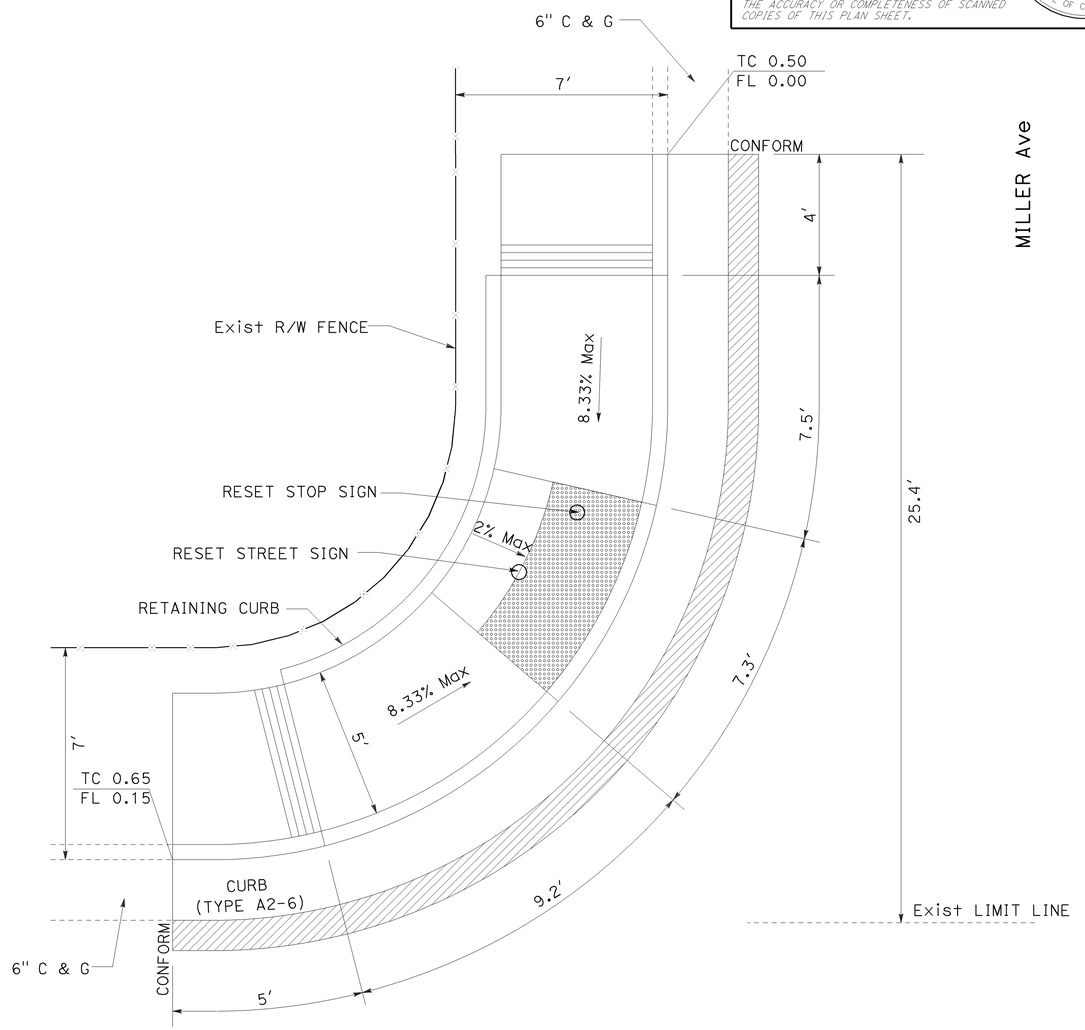
BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 606940ga012.dgn
CU 06252
EA 0G9401

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



ROUTE 58

CURB RAMP No. 23
CASE C
ROUTE 58 - PM 27.53
MAIN Ave
(NW CORNER)



ROUTE 58

CURB RAMP No. 24
CASE C
ROUTE 58 - PM 27.79
MILLER Ave
(NW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-13**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	15	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 606940ga013.dgn
CU 06252
EA 0G9401

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

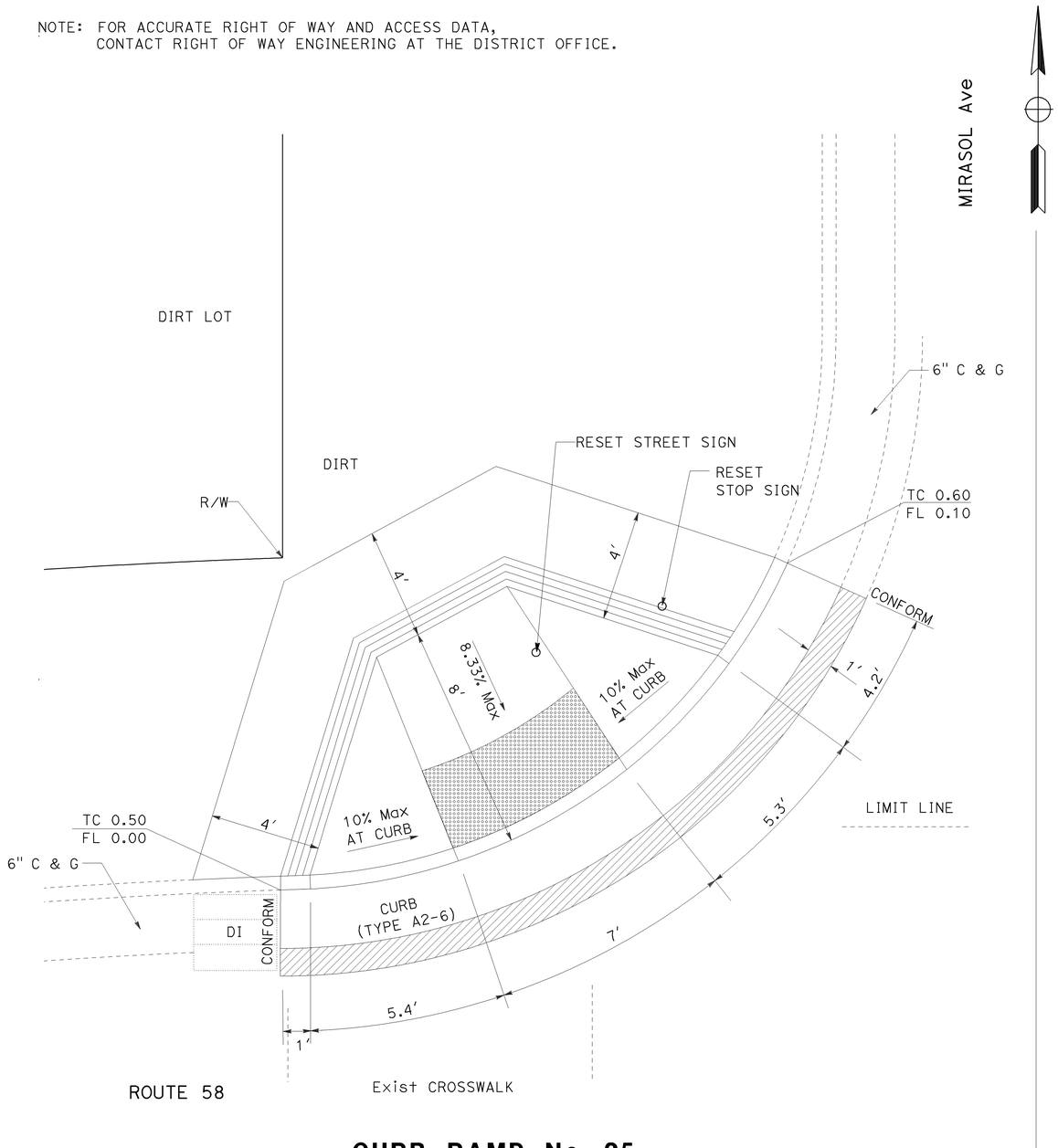
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,*etc.*	Var	16	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

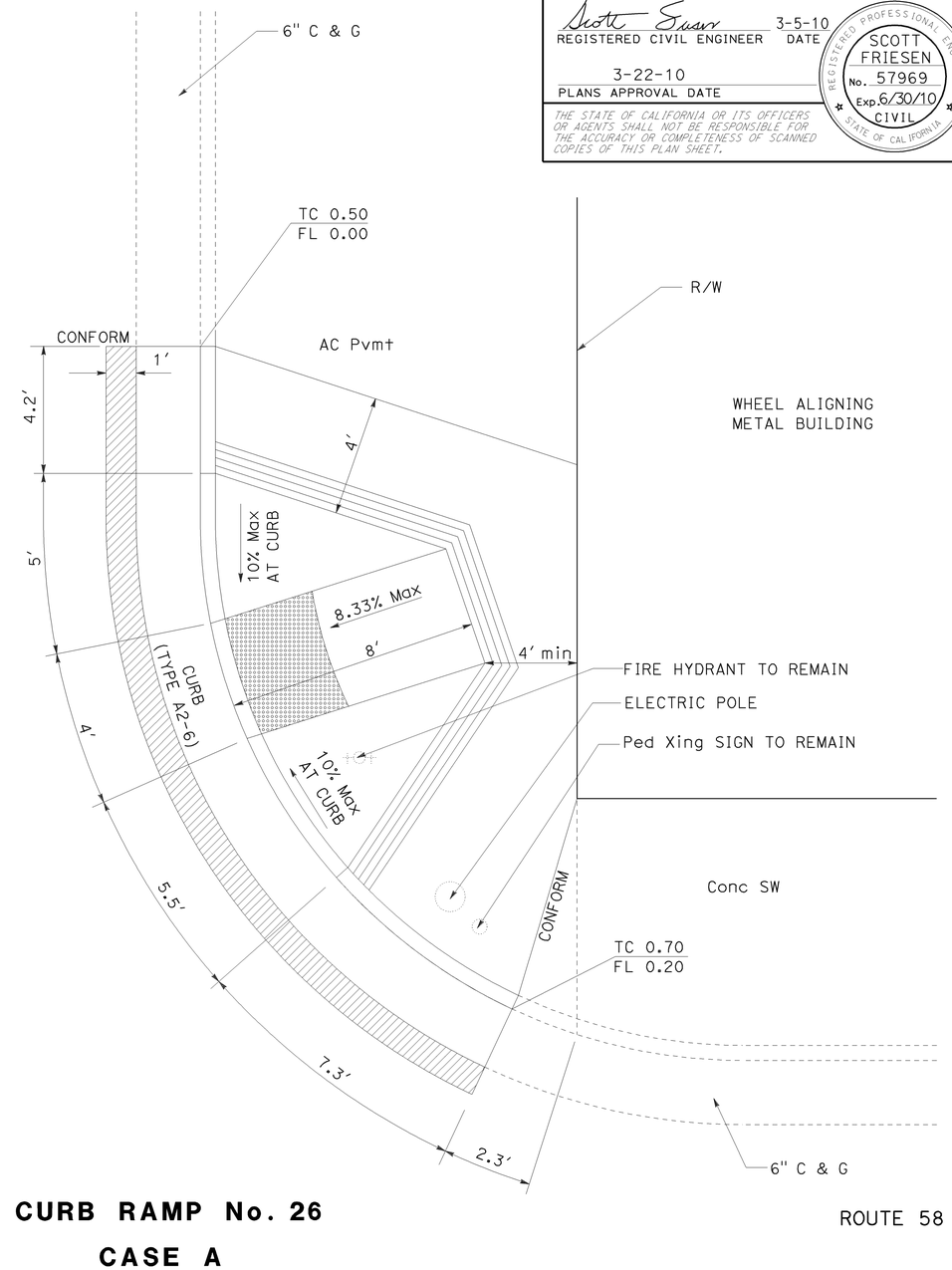
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 25
CASE A
ROUTE 58 - PM 27.66
MIRASOL Ave
(NW CORNER)



CURB RAMP No. 26
CASE A
ROUTE 58 - PM 27.66
MIRASOL Ave
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-14**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga014.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	17	129

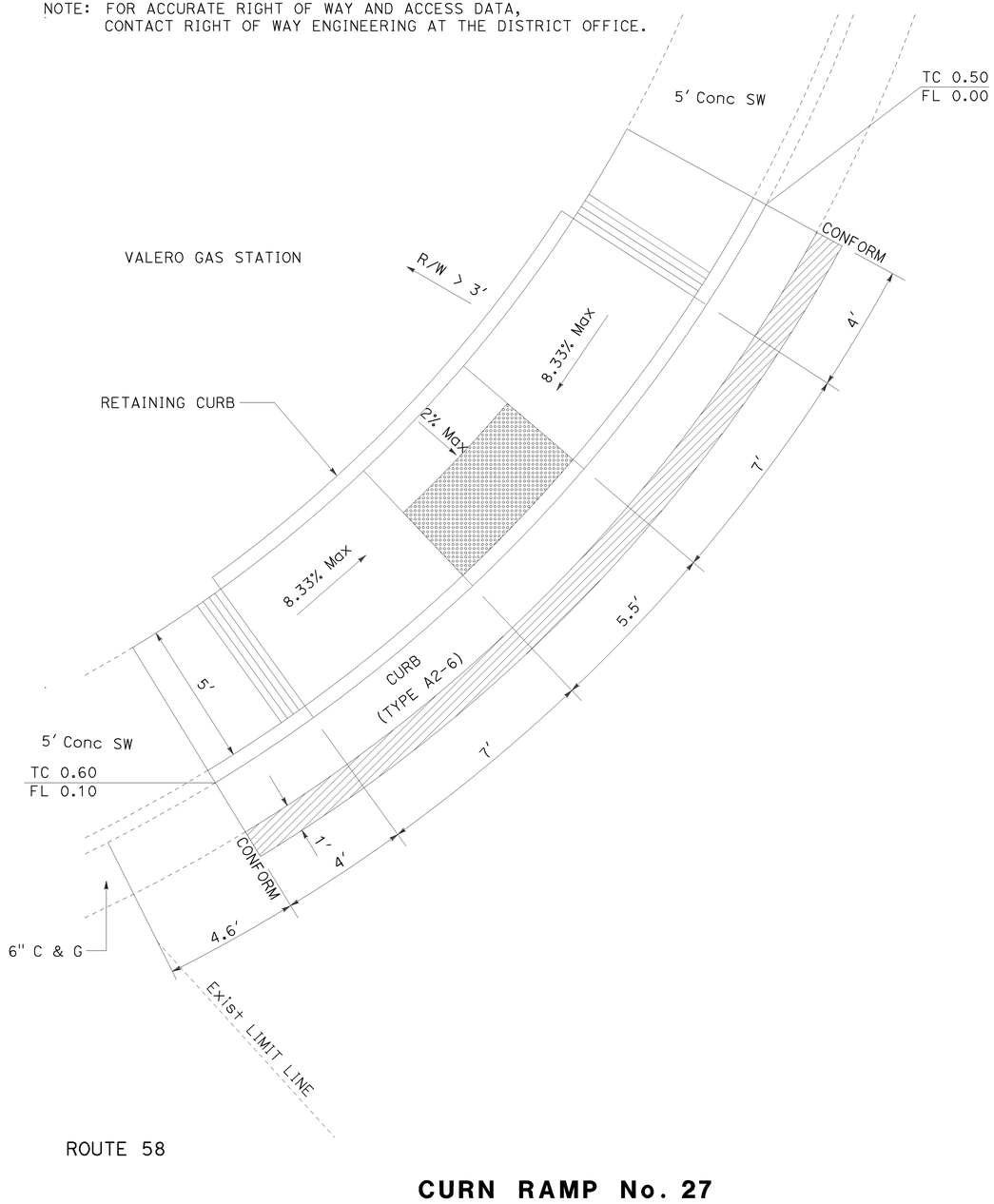
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

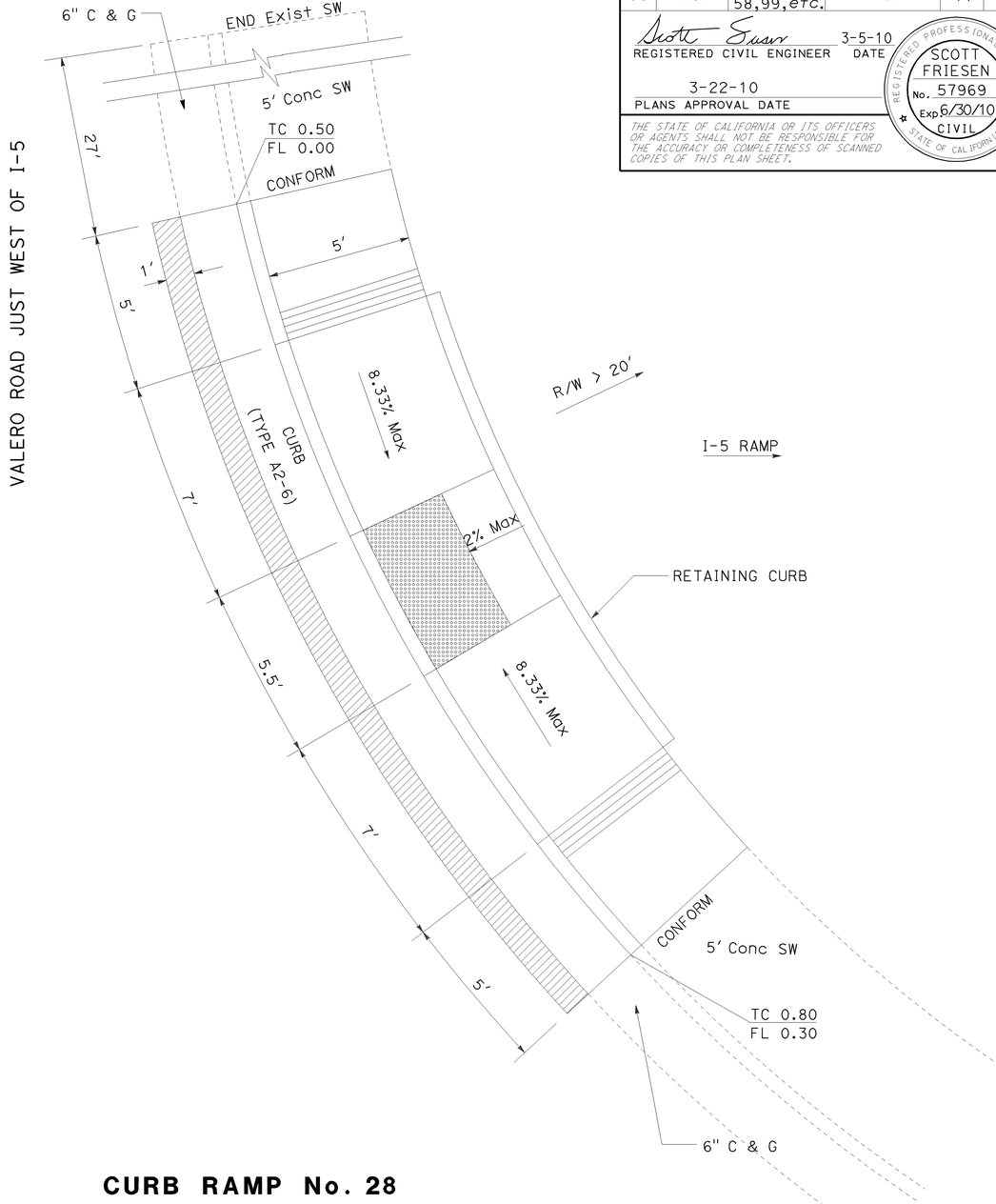
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURN RAMP No. 27
CASE C
ROUTE 58 - PM 31.53
VALERO ROAD WEST OF I-5
(NW CORNER)



CURB RAMP No. 28
CASE C
ROUTE 58 - PM 31.53
VALERO ROAD WEST OF I-5
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-15**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010 | 09-22-09 | TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga015.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	18	129

REGISTERED CIVIL ENGINEER 3-5-10 DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL STATE OF CALIFORNIA

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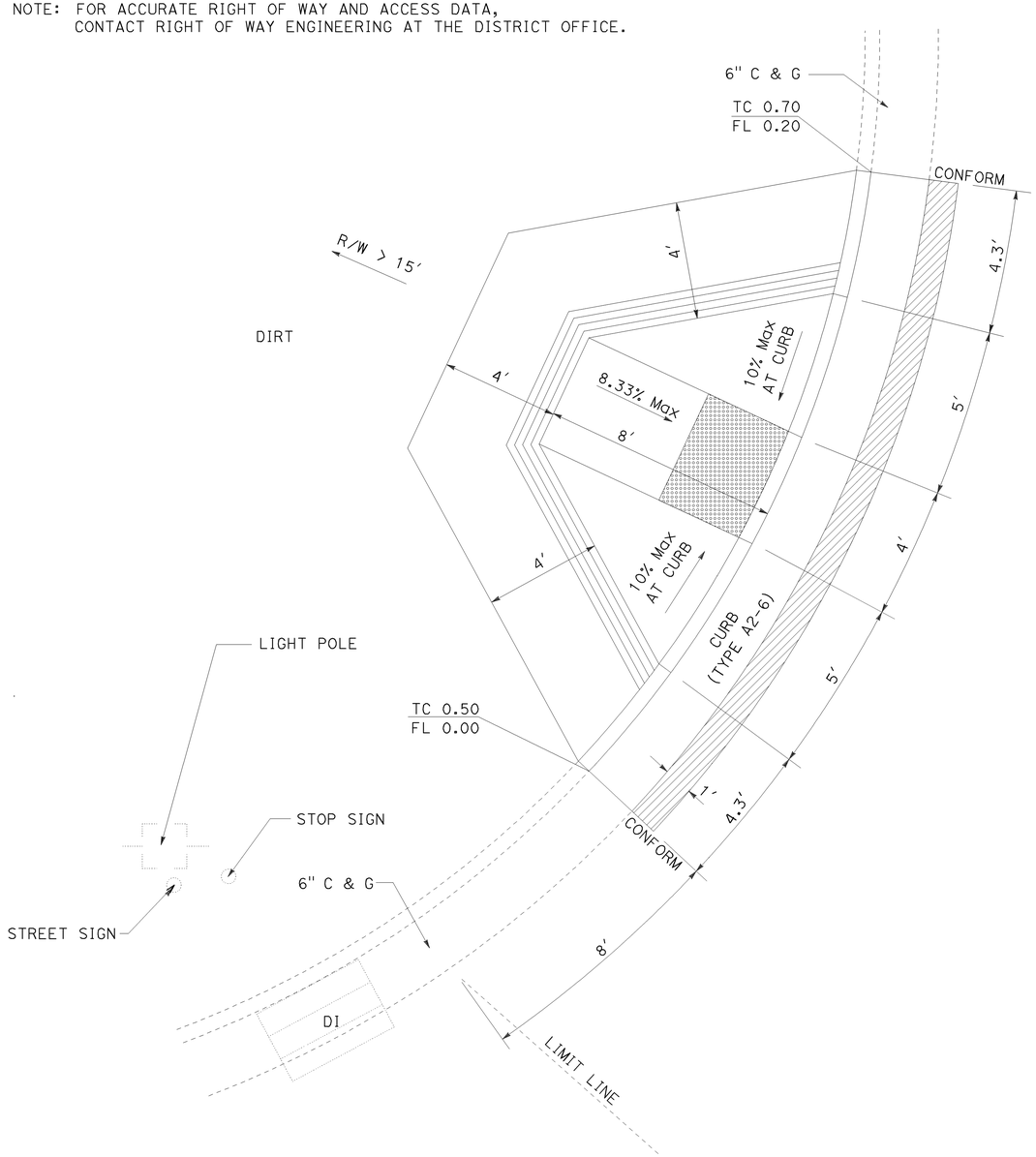
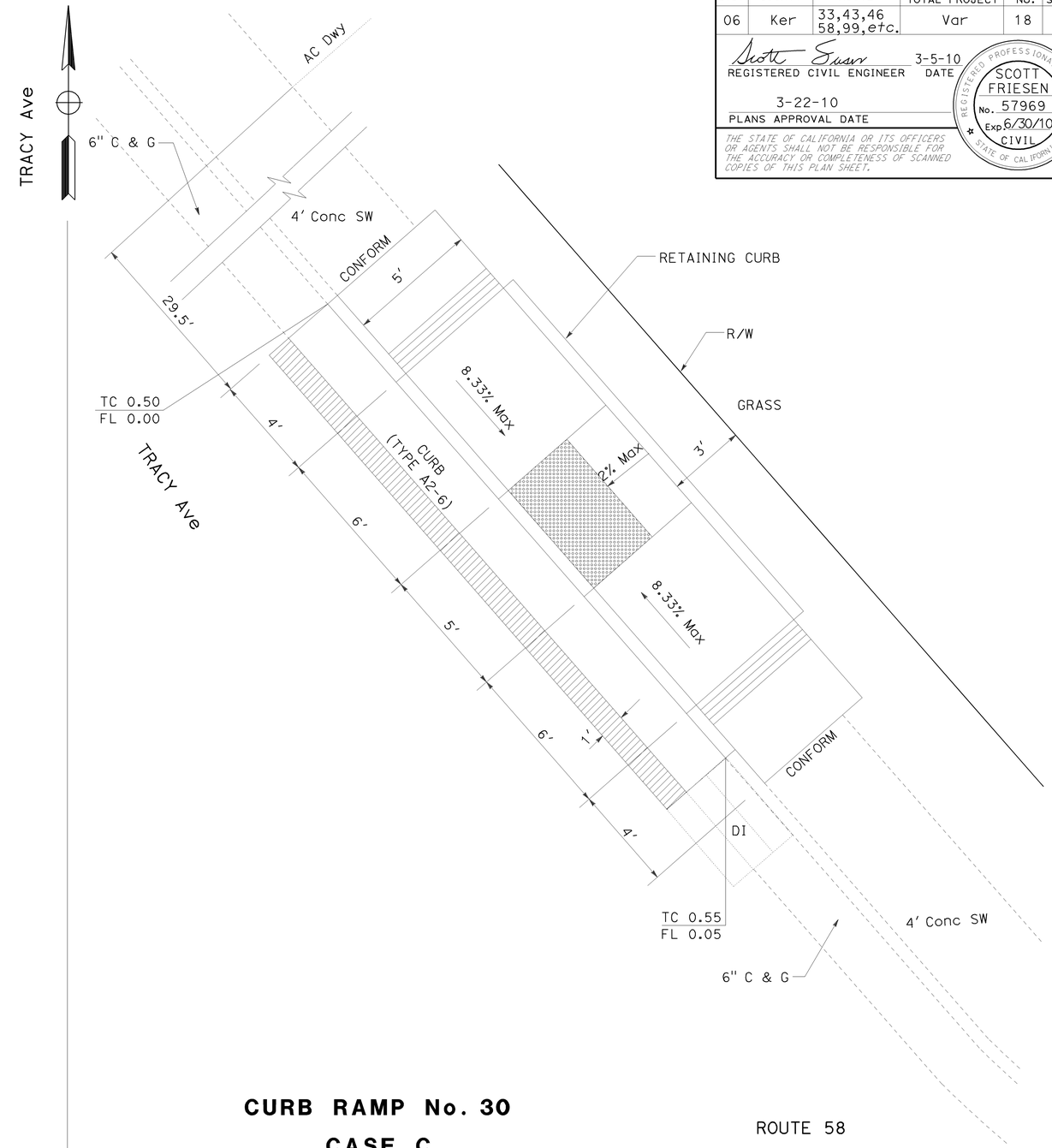


CURB RAMP No. 29
CASE A
ROUTE 58 - PM 31.75
TRACY Ave
(NW CORNER)



CURB RAMP No. 30
CASE C
ROUTE 58 - PM 31.75
TRACY Ave
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	19	129

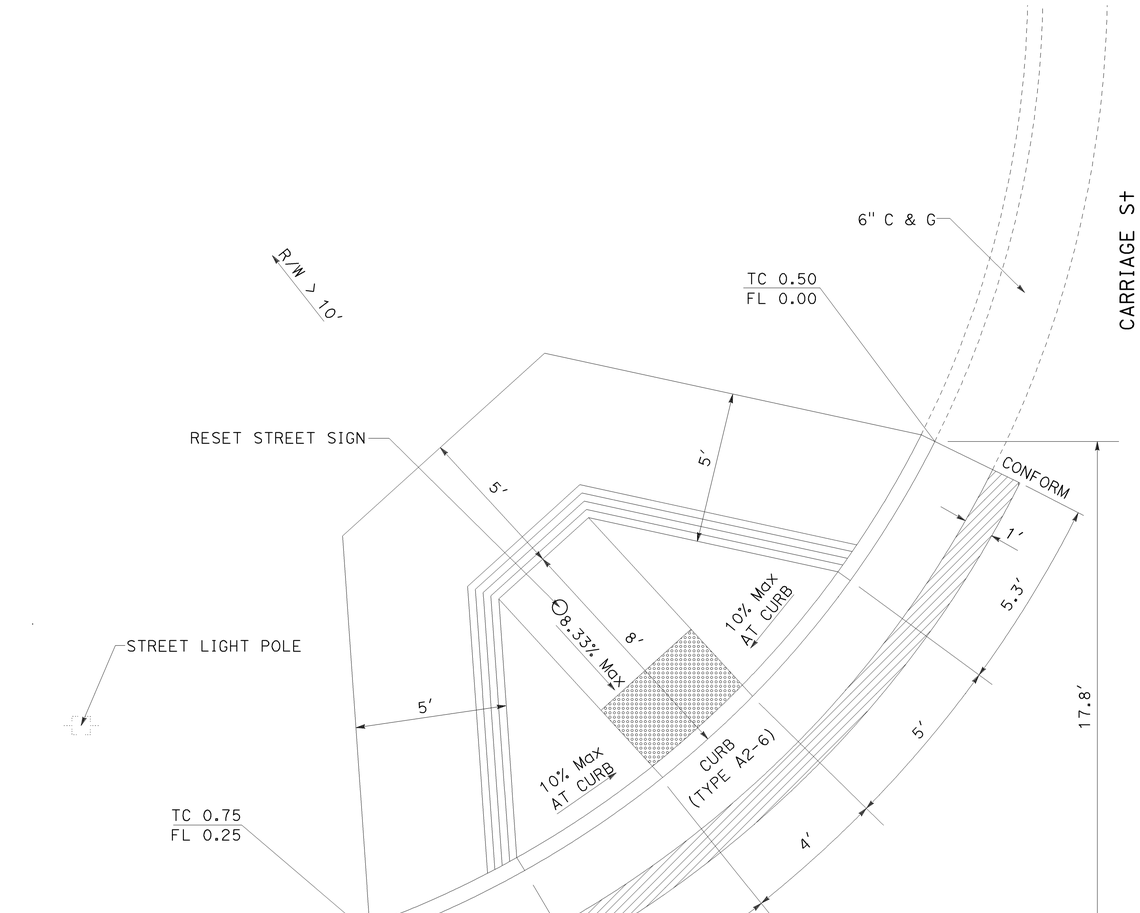
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

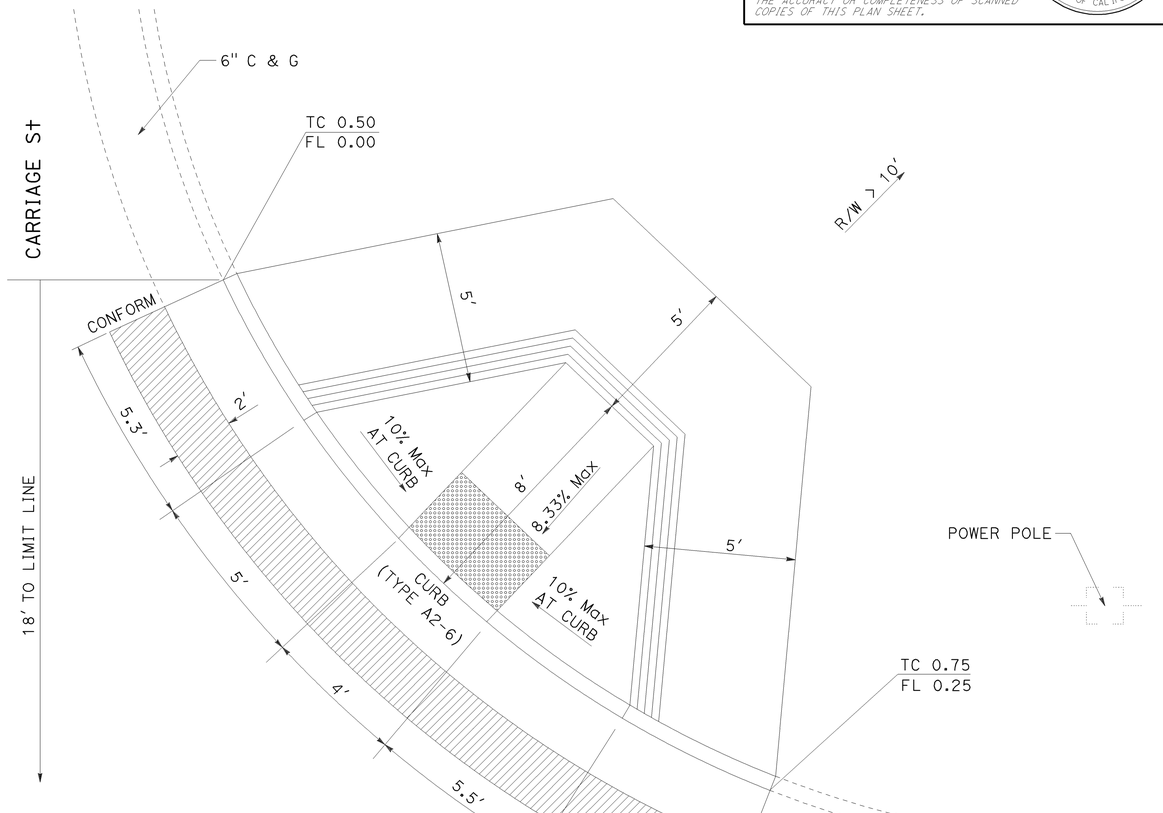
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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



ROUTE 58

CURB RAMP No. 31
CASE A
ROUTE 58 - PM 42.91
CARRIAGE St
(NW CORNER)



ROUTE 58

CURB RAMP No. 32
CASE A
ROUTE 58 - PM 42.91
CARRIAGE St
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-17**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga017.dgn
CU 06252
EA 0G9401

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

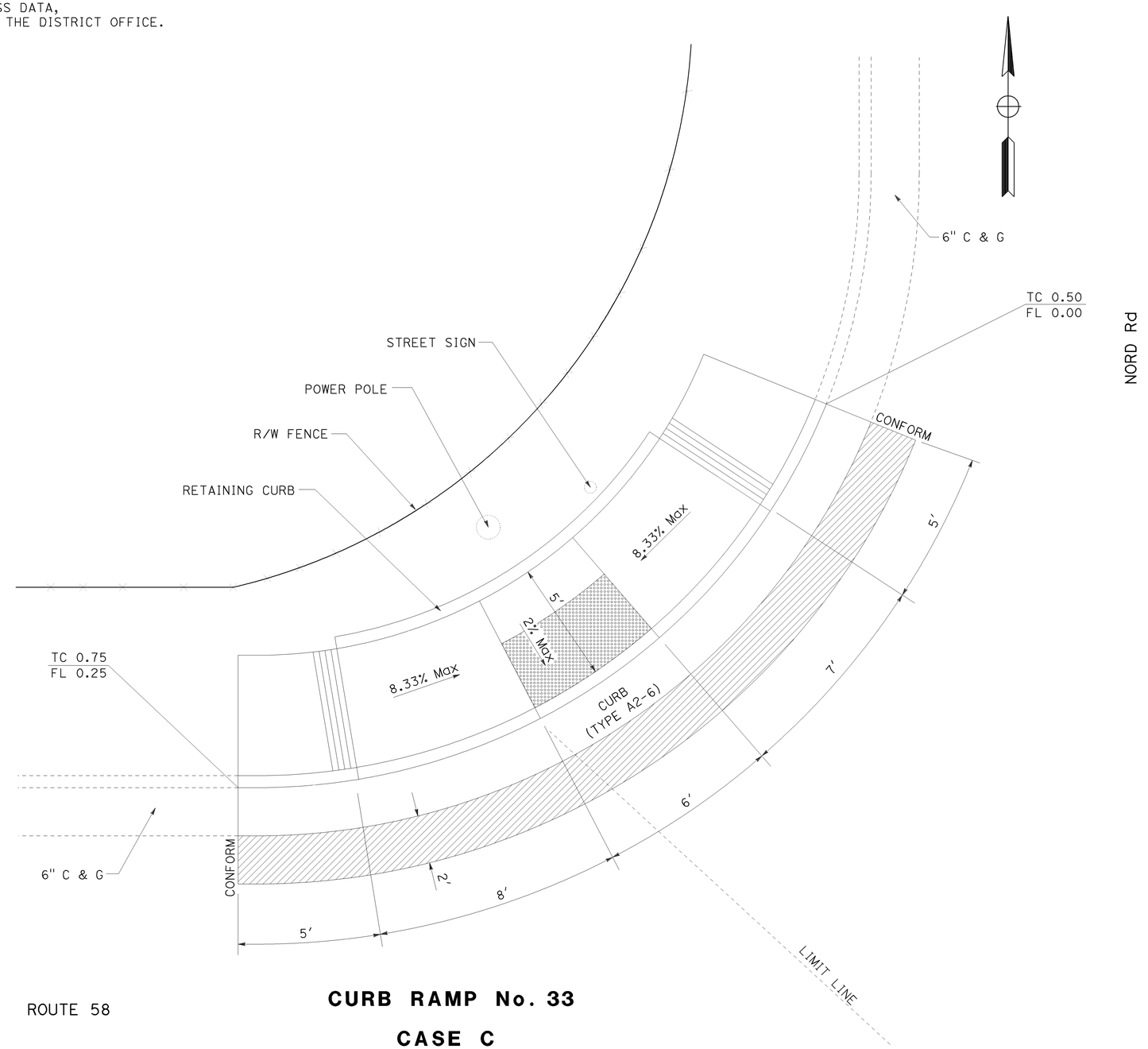
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	20	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.



ROUTE 58

CURB RAMP No. 33

CASE C

ROUTE 58 - PM 42.98

NORD ROAD

(NW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-18**

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 8:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga018.dgn
CU 06252
EA 0G9401

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

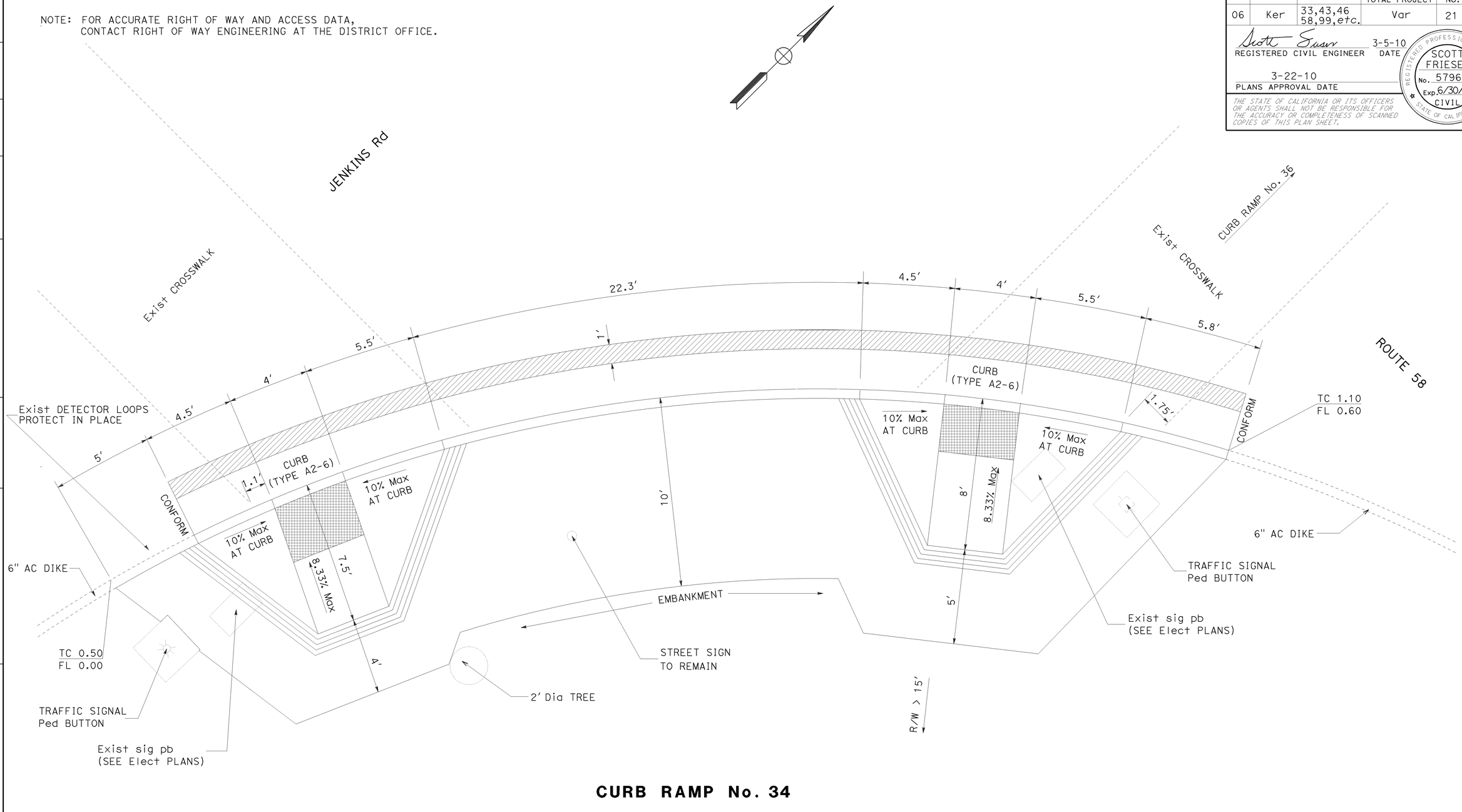
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	21	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 34

CASE A (2)

ROUTE 58 - PM 45.49

JENKINS Rd

(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-19**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga019.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	22	129

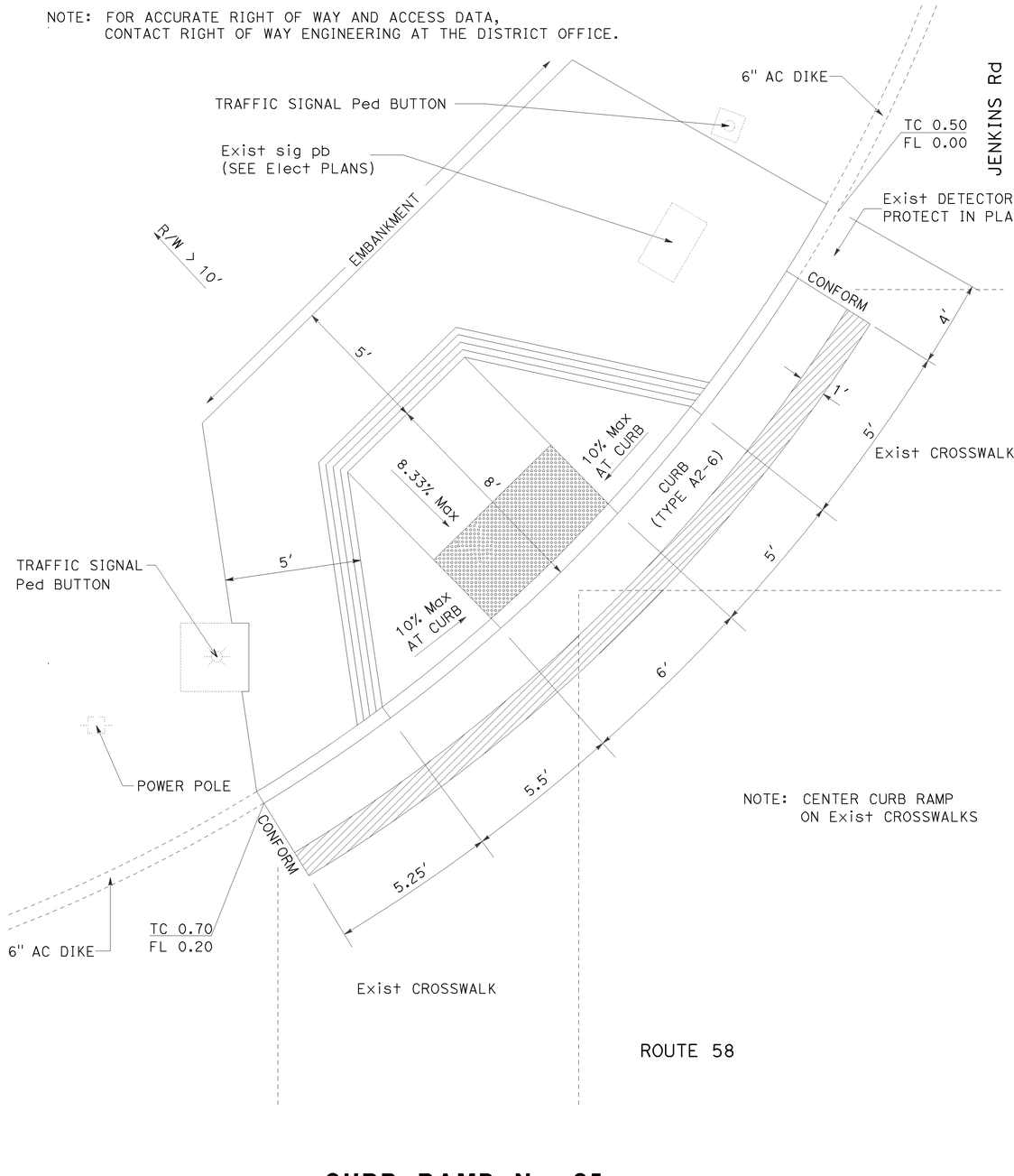
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — 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.

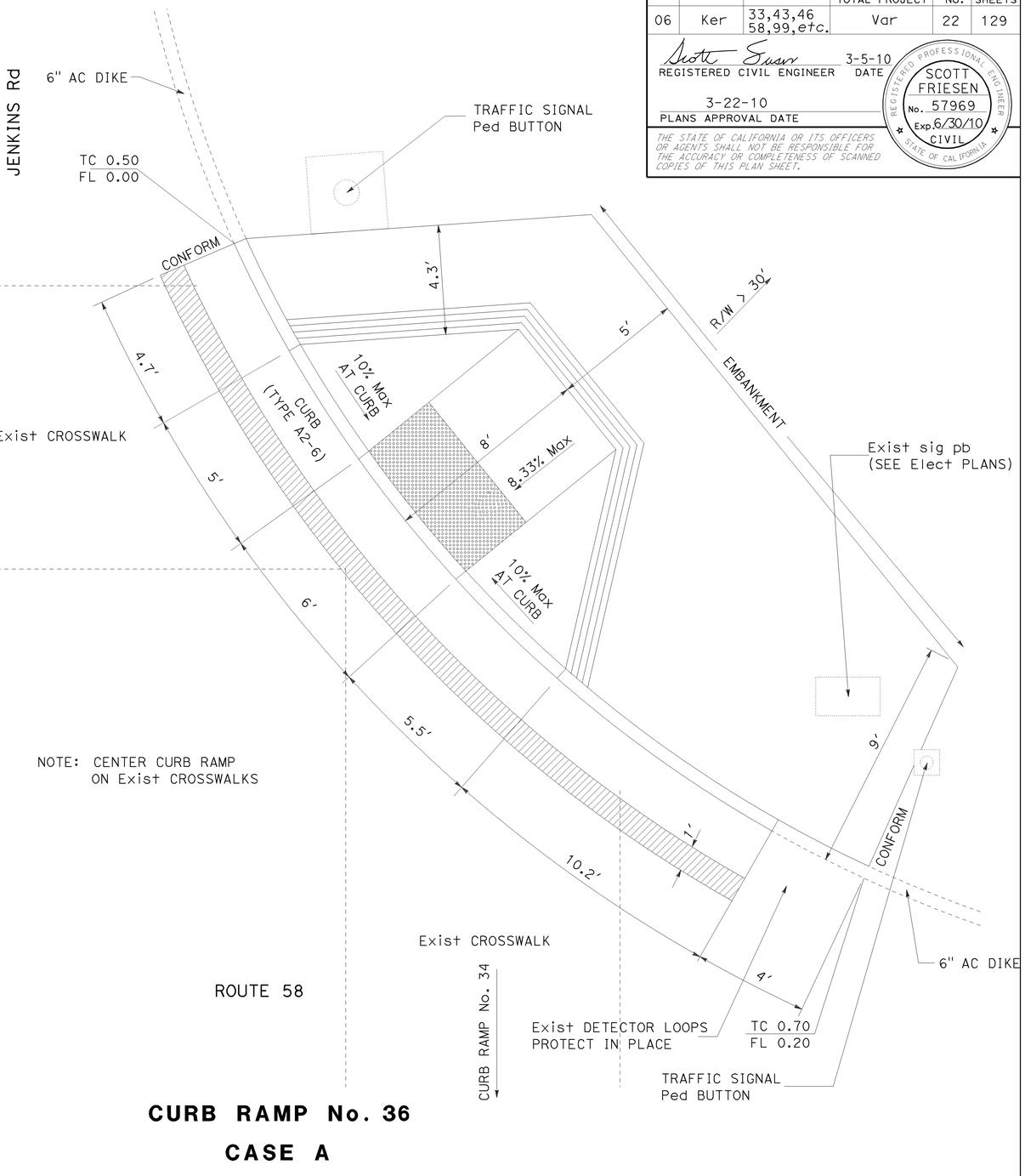
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NOTE: CENTER CURB RAMP ON Exist CROSSWALKS

ROUTE 58

CURB RAMP No. 35
CASE A
ROUTE 58 - PM 45.49
JENKINS Rd
(NW CORNER)



NOTE: CENTER CURB RAMP ON Exist CROSSWALKS

ROUTE 58

CURB RAMP No. 36
CASE A
ROUTE 58 - PM 45.49
JENKINS Rd
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-20**

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 8:28

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga020.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	23	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

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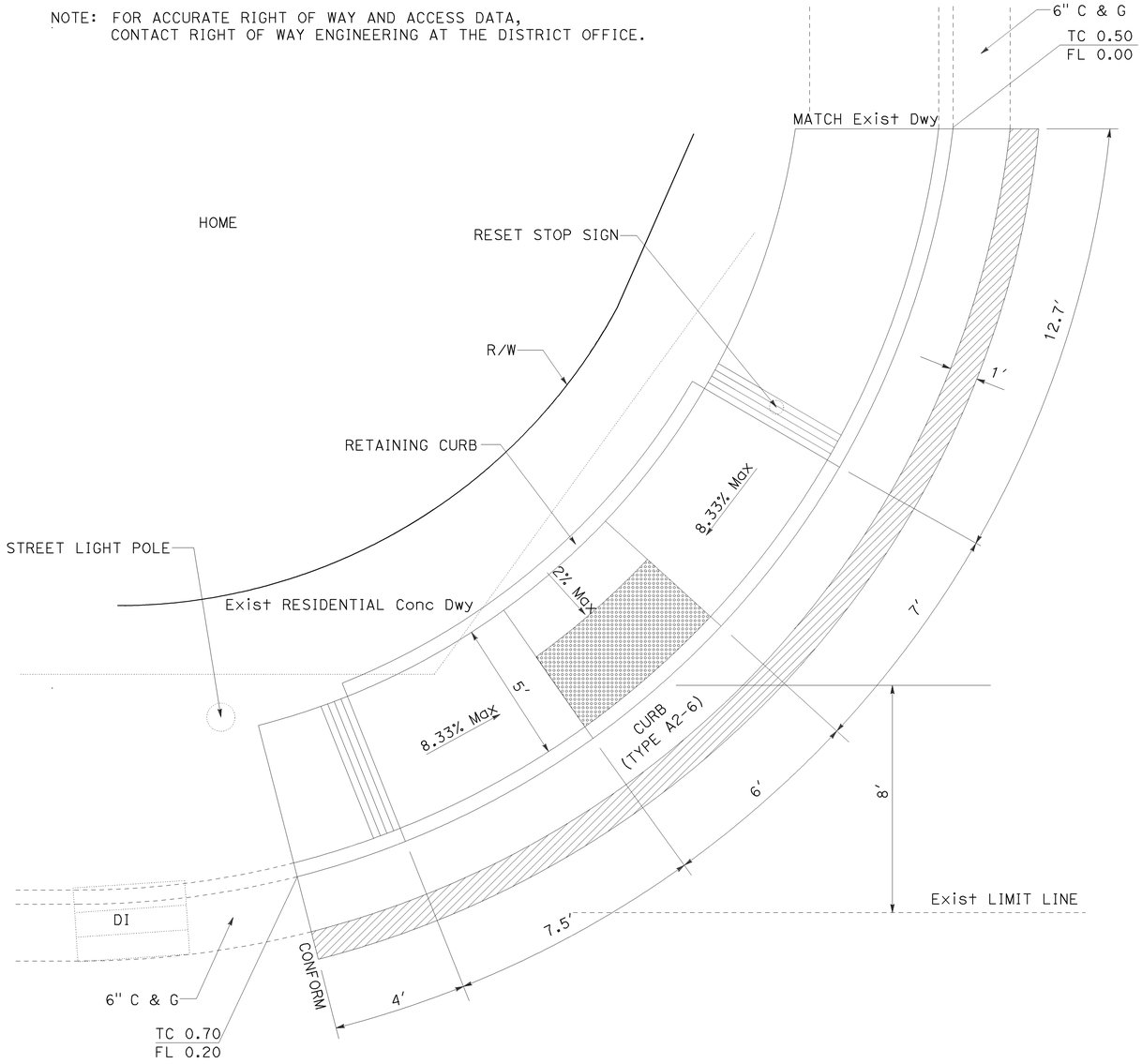


ROUTE 58

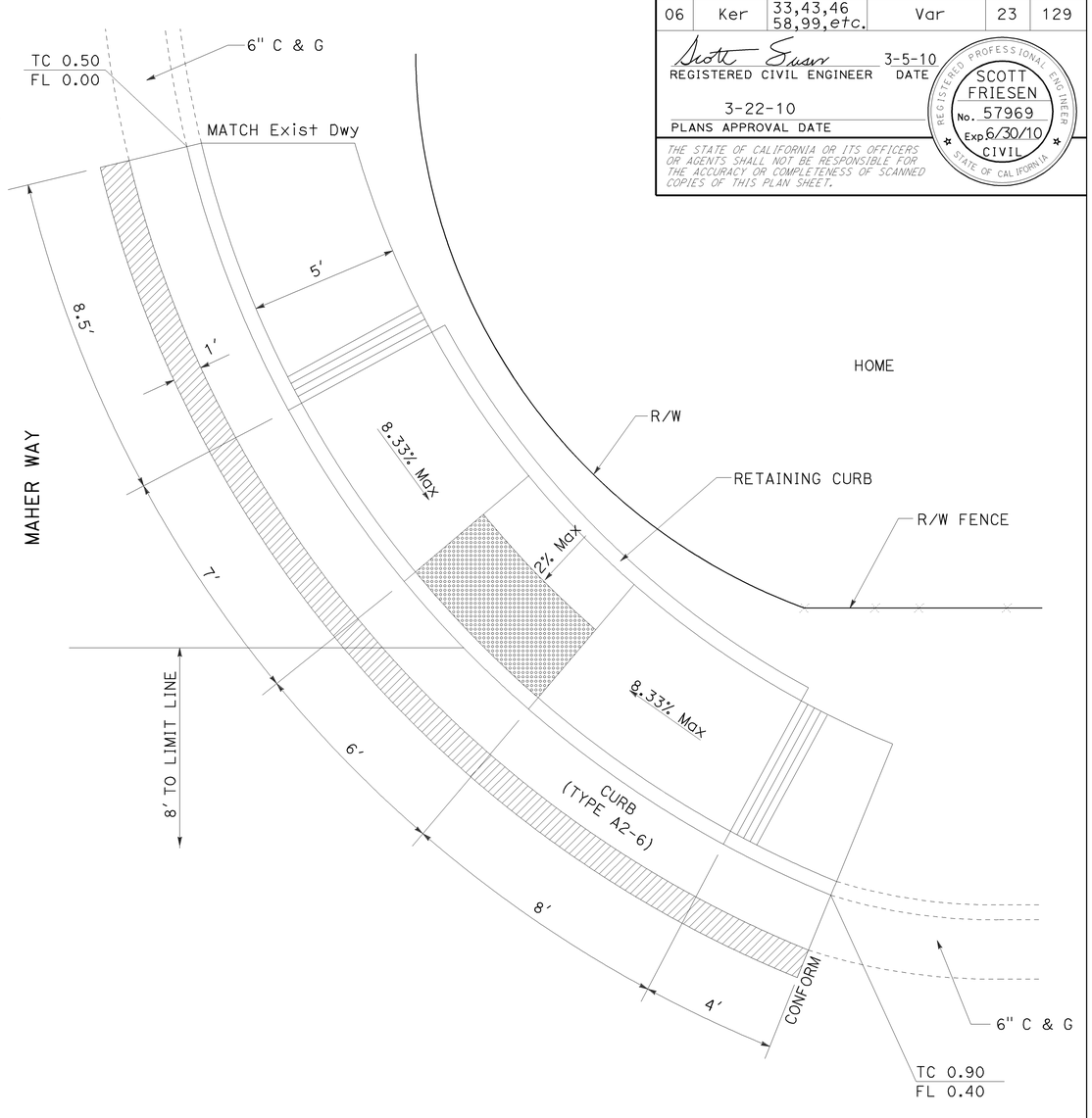
CURB RAMP No. 37

CASE C

ROUTE 58 - PM 46.29

MAHER WAY

(NW CORNER)



ROUTE 58

CURB RAMP No. 38

CASE C

ROUTE 58 - PM 46.29

MAHER WAY

(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-21**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	MICHAEL K. LIM
CALCULATED-DESIGNED BY	TAREK CHOWDHURY
CHECKED BY	SCOTT M. FRIESEN
REVISED BY	
DATE REVISED	

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga021.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	24	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
PLANS APPROVAL DATE

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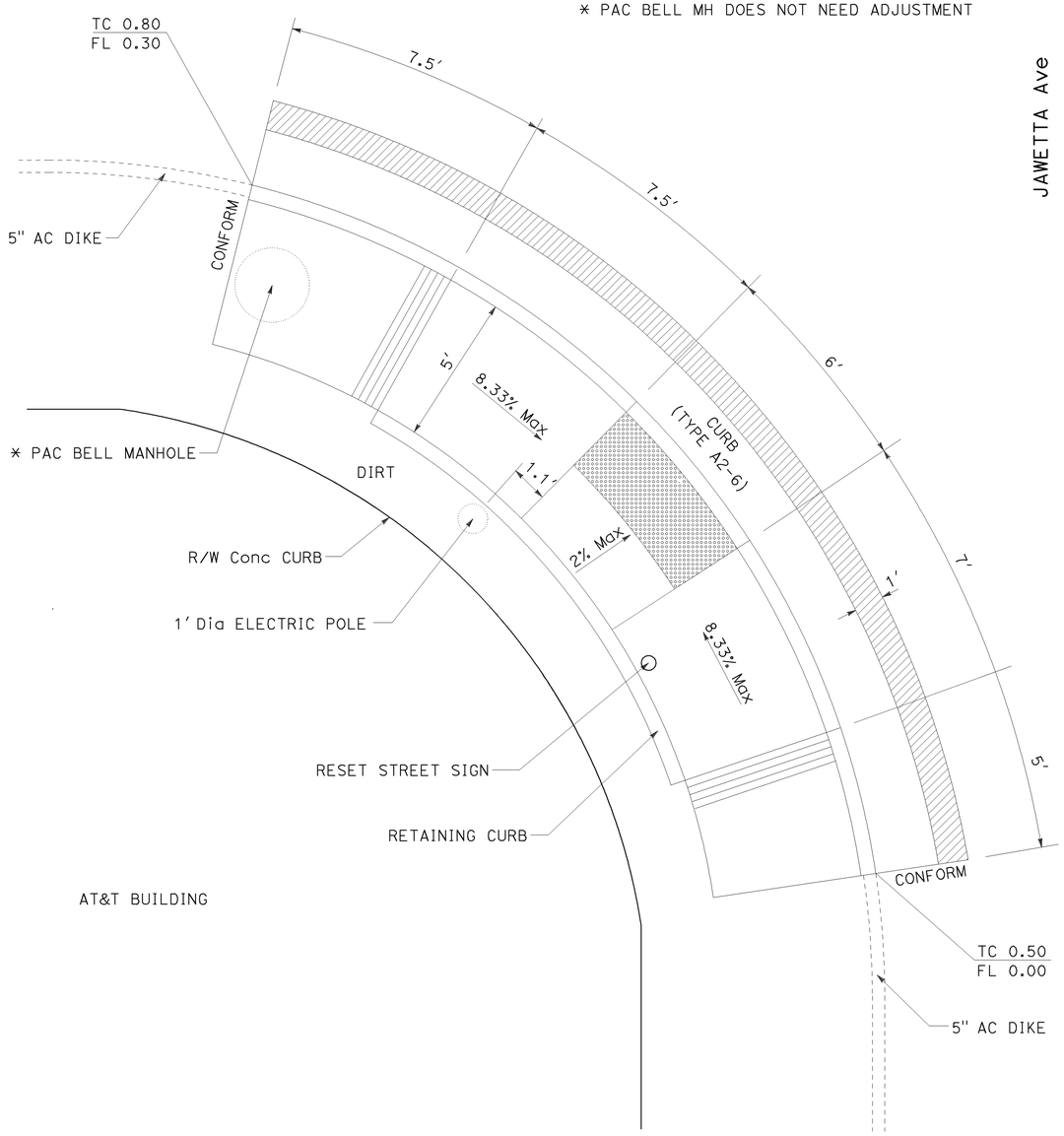
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ROUTE 58

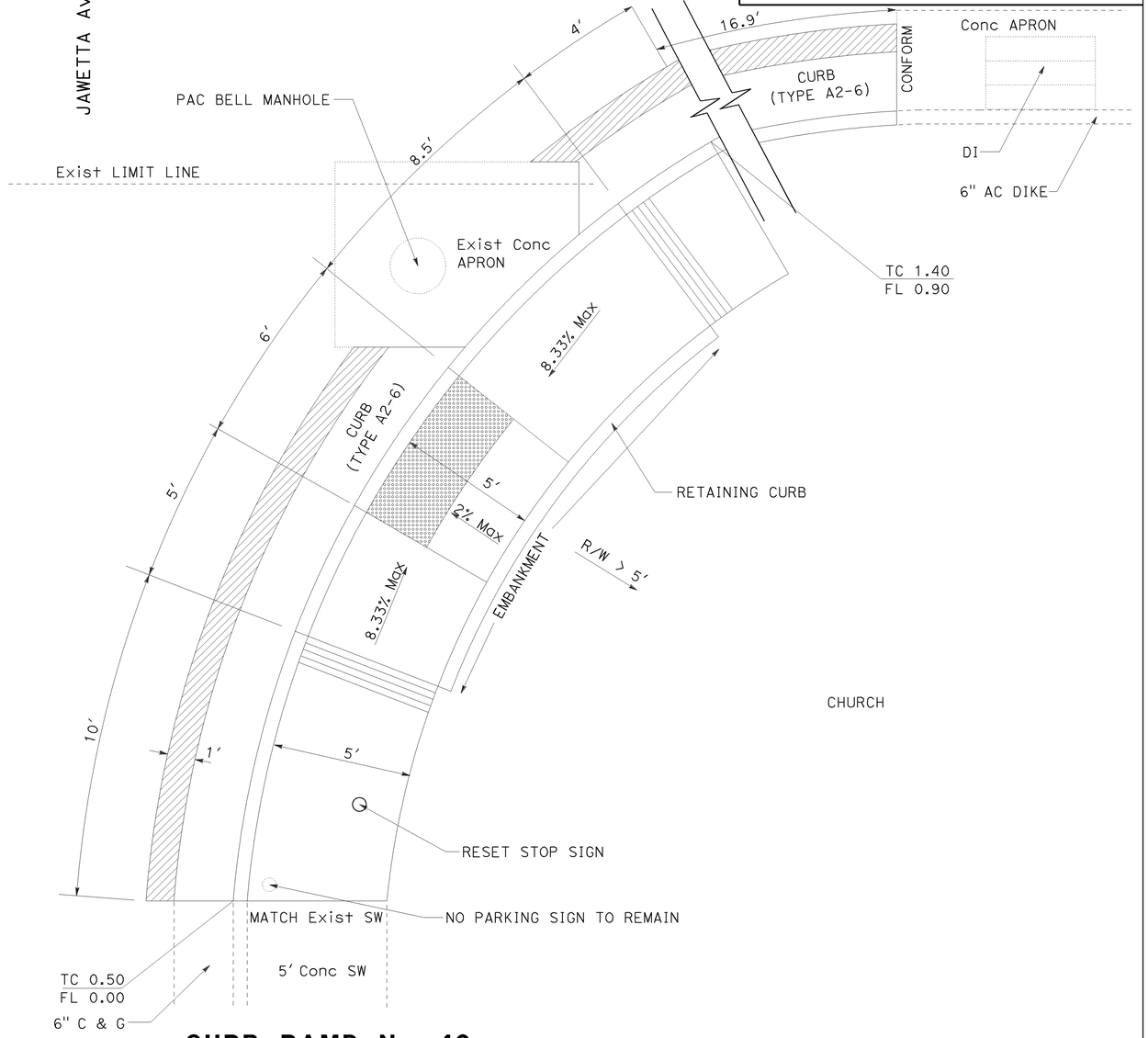
* PAC BELL MH DOES NOT NEED ADJUSTMENT



JAWETTA Ave

JAWETTA Ave

ROUTE 58



CURB RAMP No. 39

CASE C

ROUTE 58 - PM 46.89

JEWETTA Ave

(SW CORNER)

CURB RAMP No. 40

CASE C

ROUTE 58 - PM 46.89

JEWETTA Ave

(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-22**

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 16:28

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 | DGN FILE => 600940ga022.dgn | CU 06252 | EA 0G9401

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

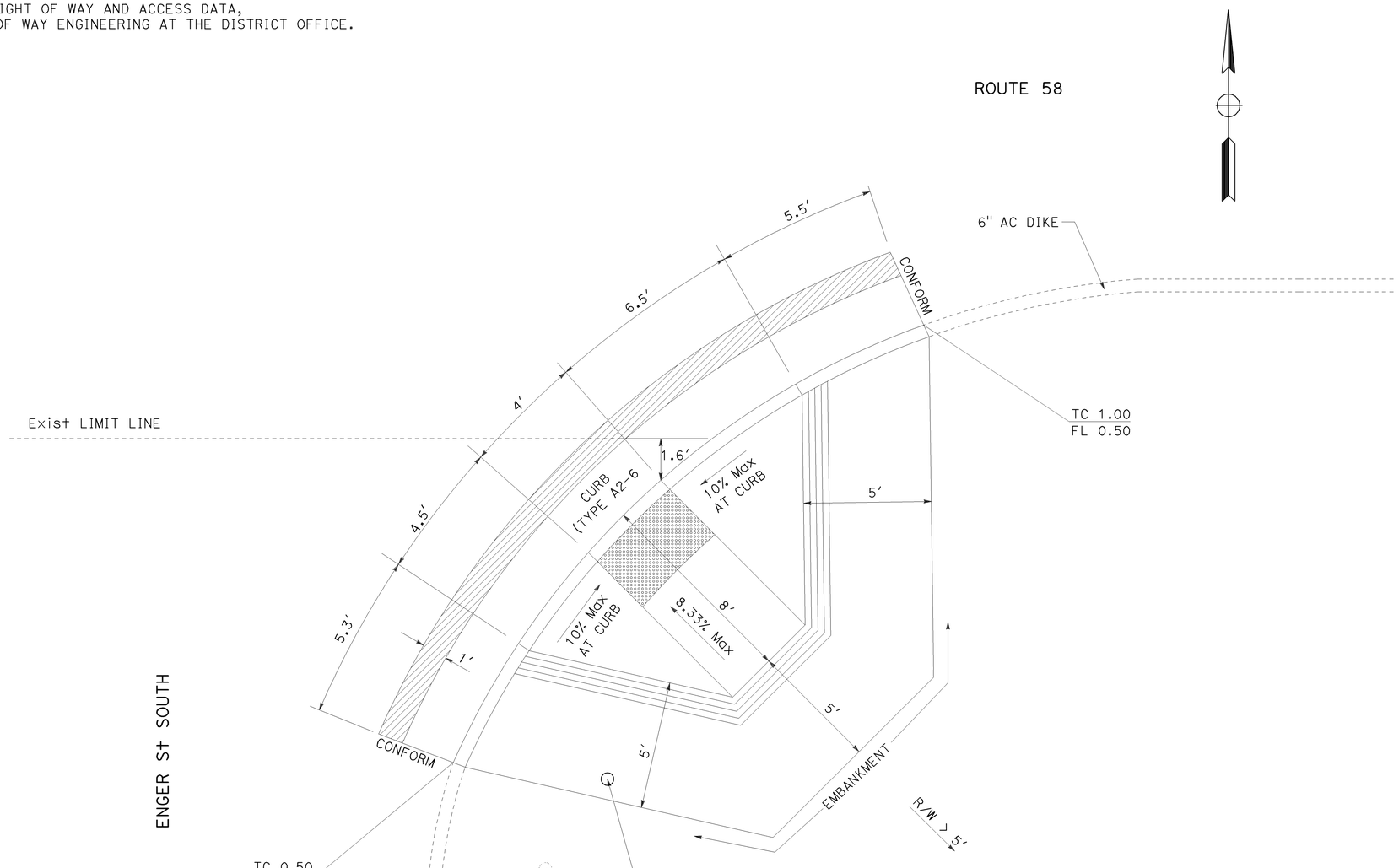
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	25	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 41

CASE A

ROUTE 58 - PM 47.27

ENGER St SOUTH

(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-23**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga023.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	26	129

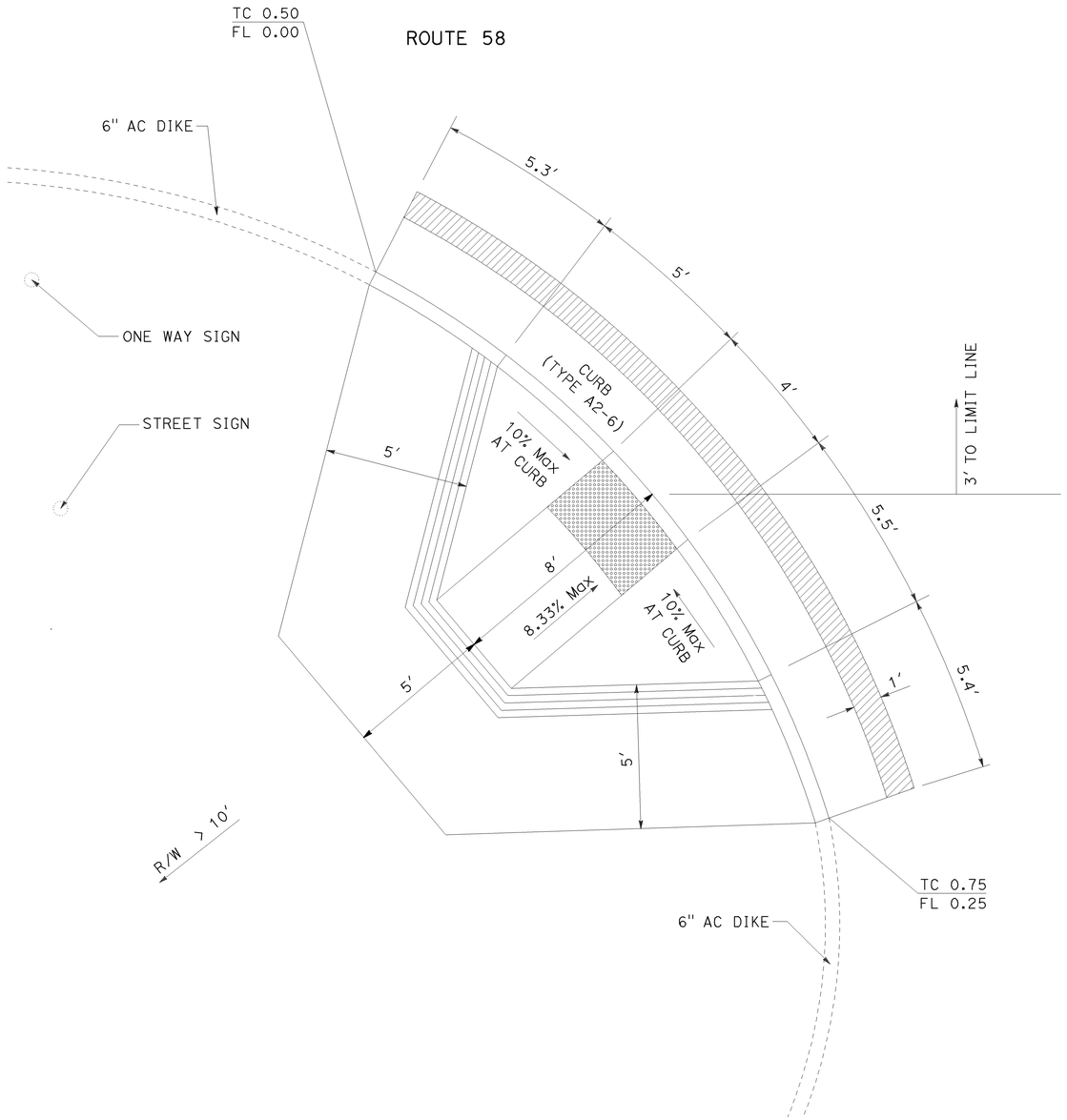
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

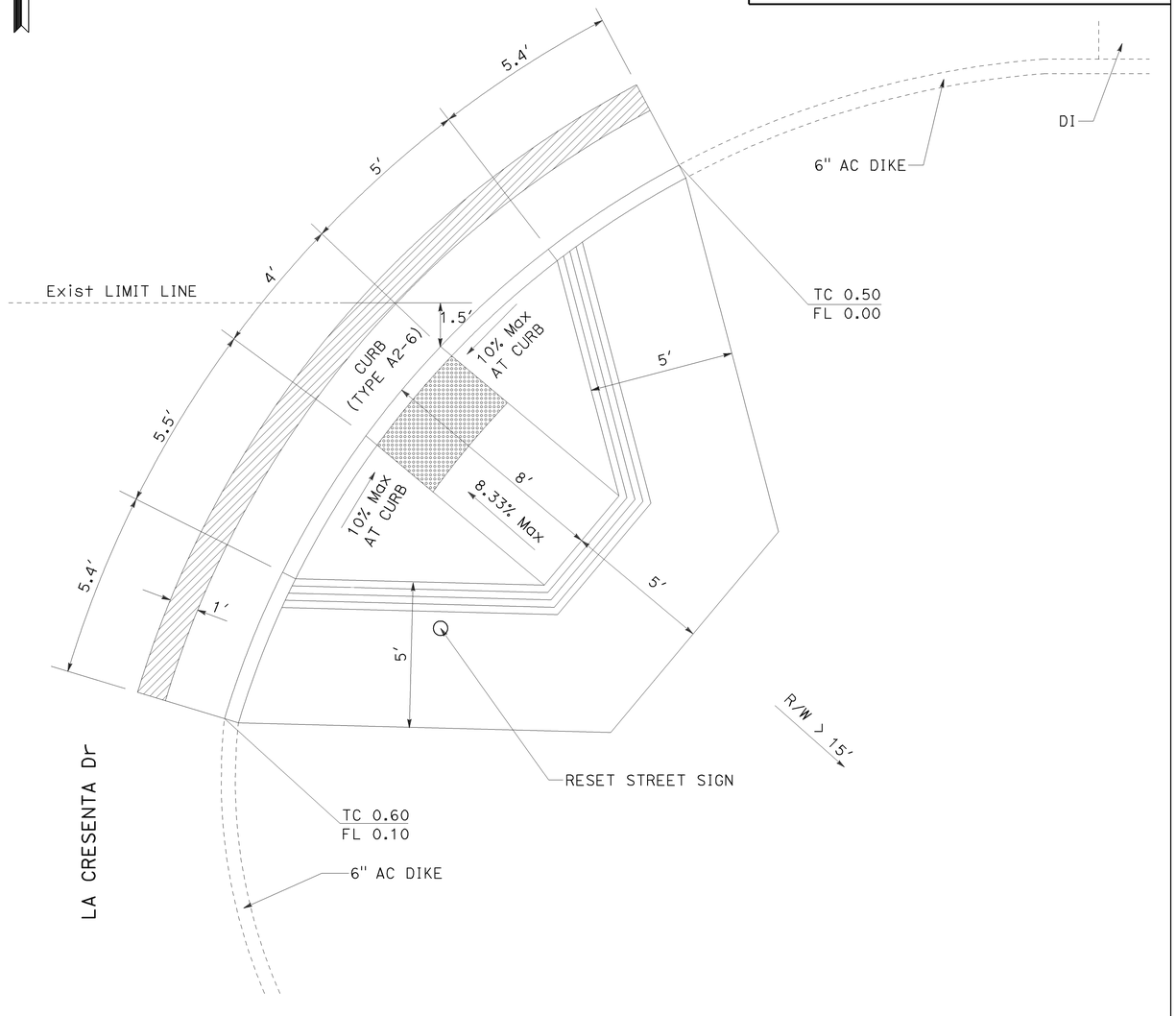
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 42
CASE A
ROUTE 58 - PM 47.43
LA CRESENTA Dr
(SW CORNER)



CURB RAMP No. 43
CASE A
ROUTE 58 - PM 47.43
LA CRESENTA Dr
(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-24**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY: TAREK CHOWDHURY
DATE REVISED

LAST REVISION
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 16:28
09-22-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga024.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	27	129

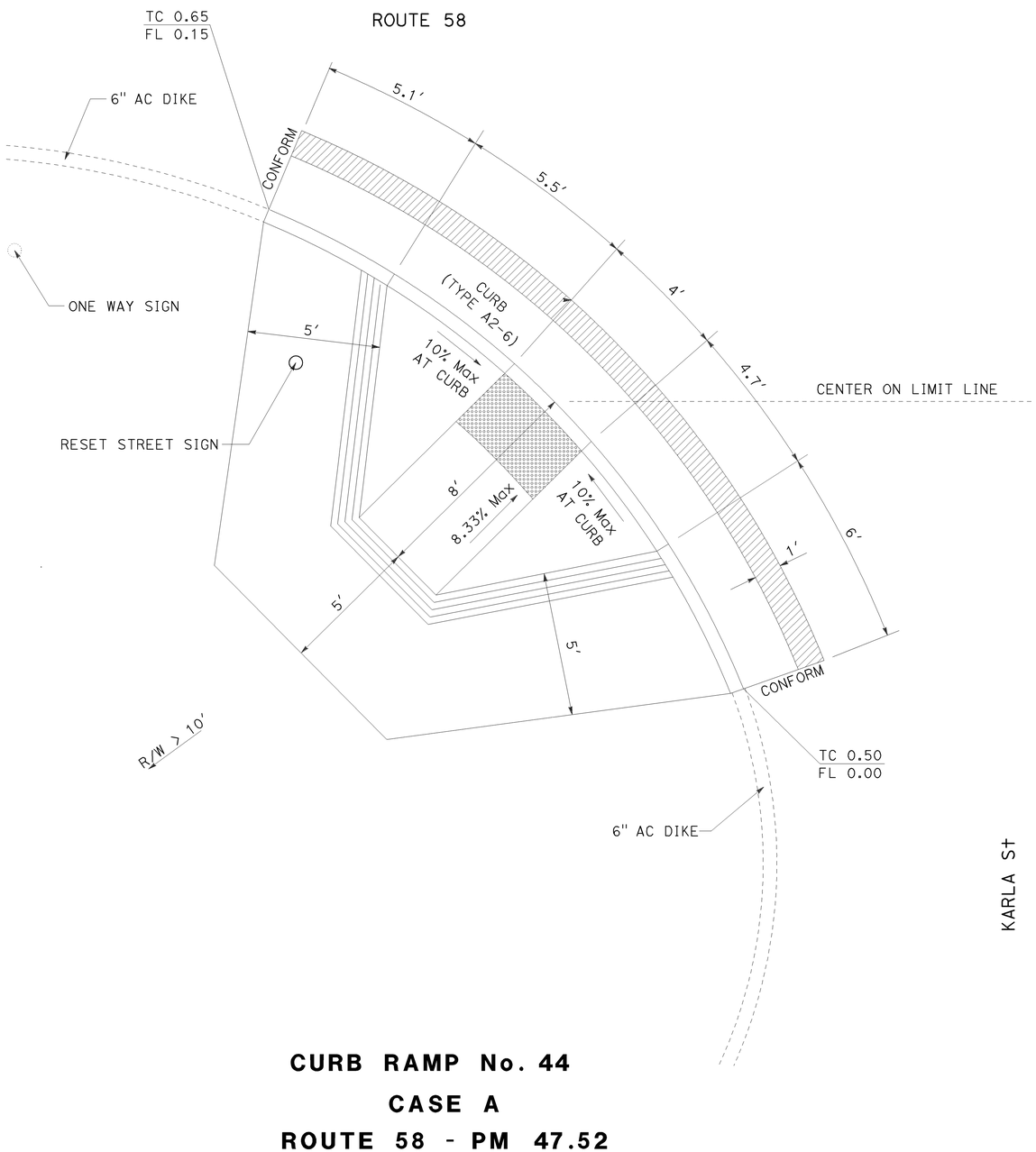
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

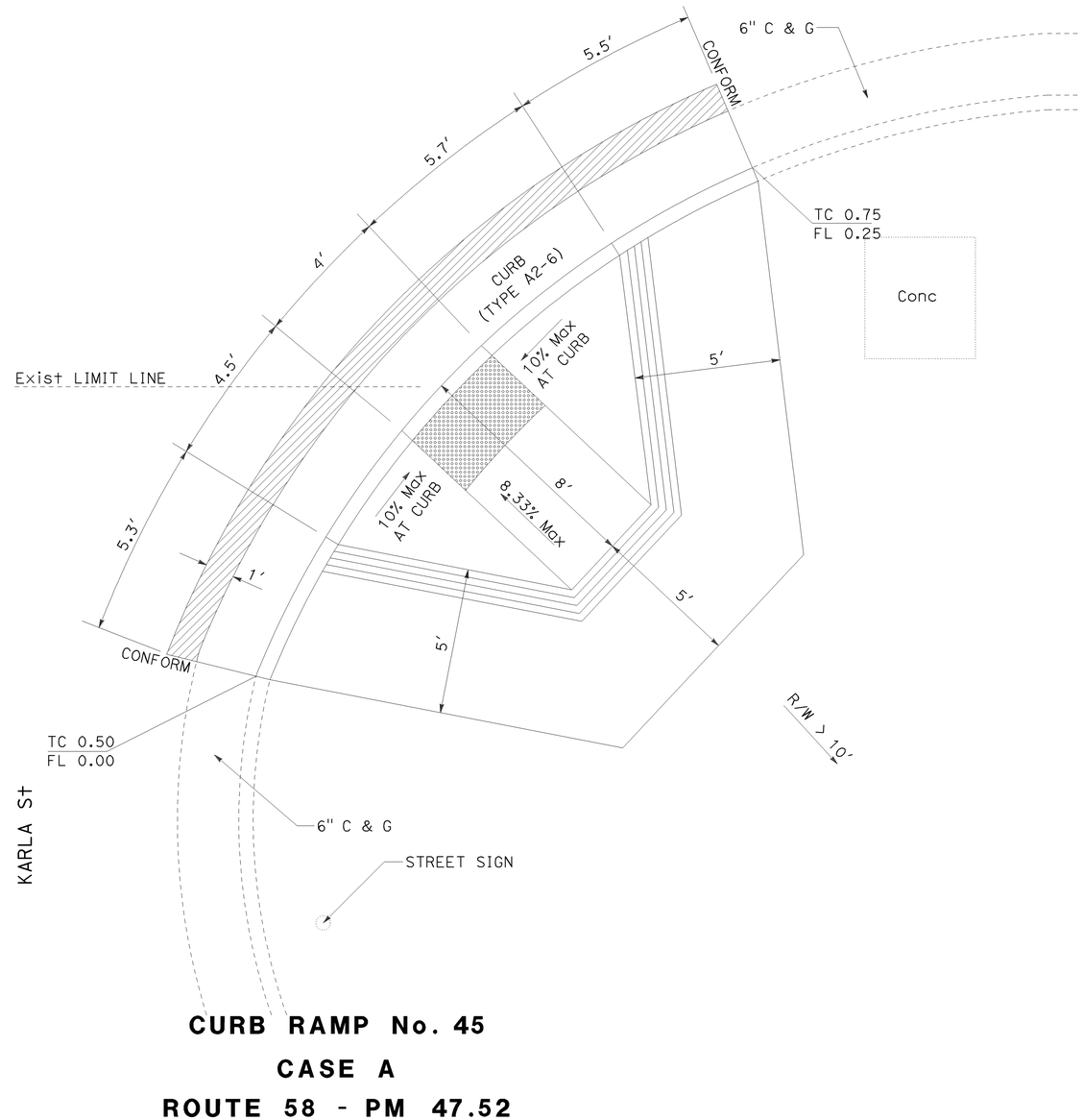
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 44
CASE A
ROUTE 58 - PM 47.52
KARLA St
(SW CORNER)



CURB RAMP No. 45
CASE A
ROUTE 58 - PM 47.52
KARLA St
(SE CORNER)

CONSTRUCTION DETAILS

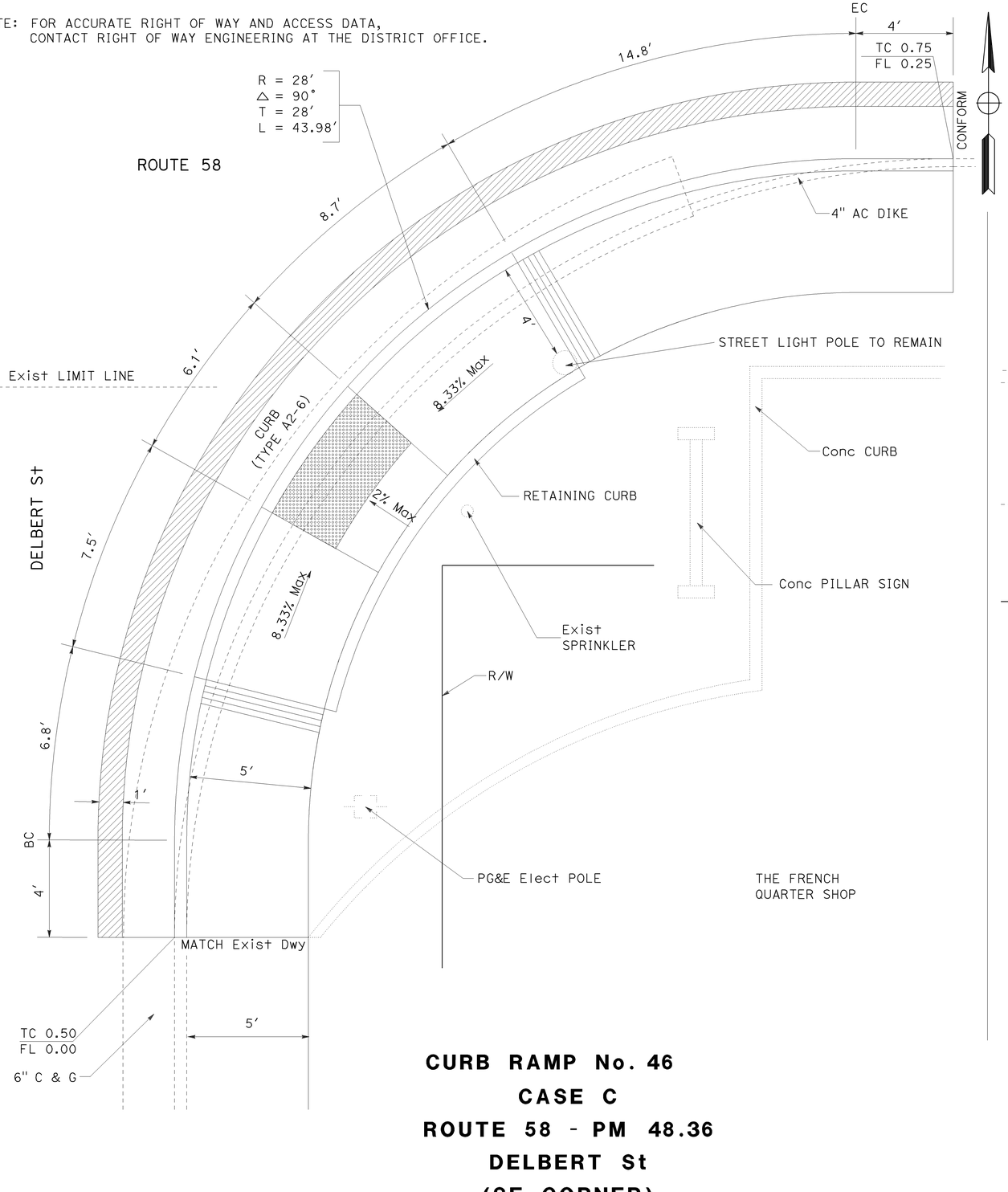
NO SCALE **C-25**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

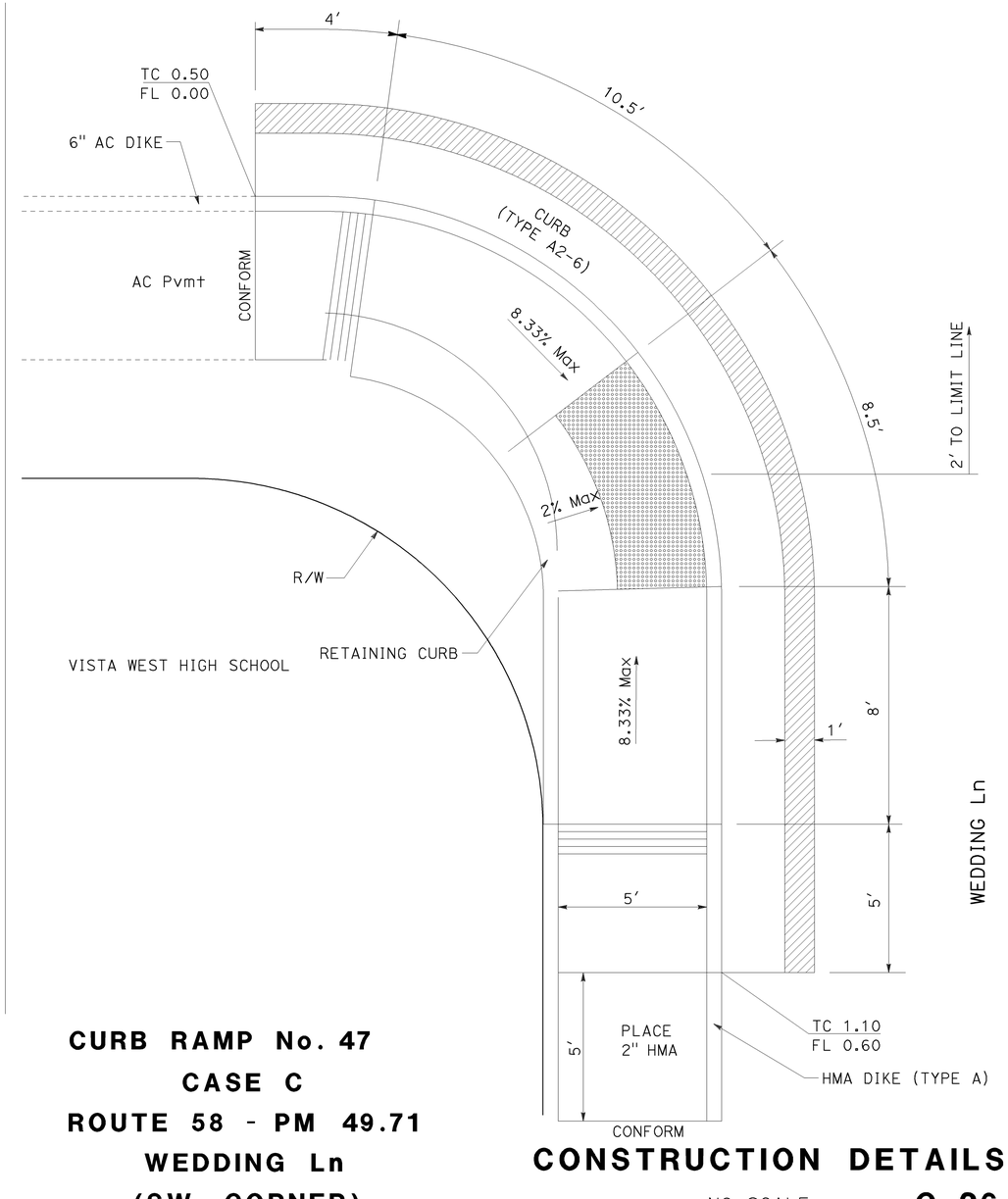
LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 16:28
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga025.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 46
CASE C
ROUTE 58 - PM 48.36
DELBERT St
(SE CORNER)



CURB RAMP No. 47
CASE C
ROUTE 58 - PM 49.71
WEDDING Ln
(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-26**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	28	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp.6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga026.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	29	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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.

CURVE DATA

No.	R	Δ	T	L
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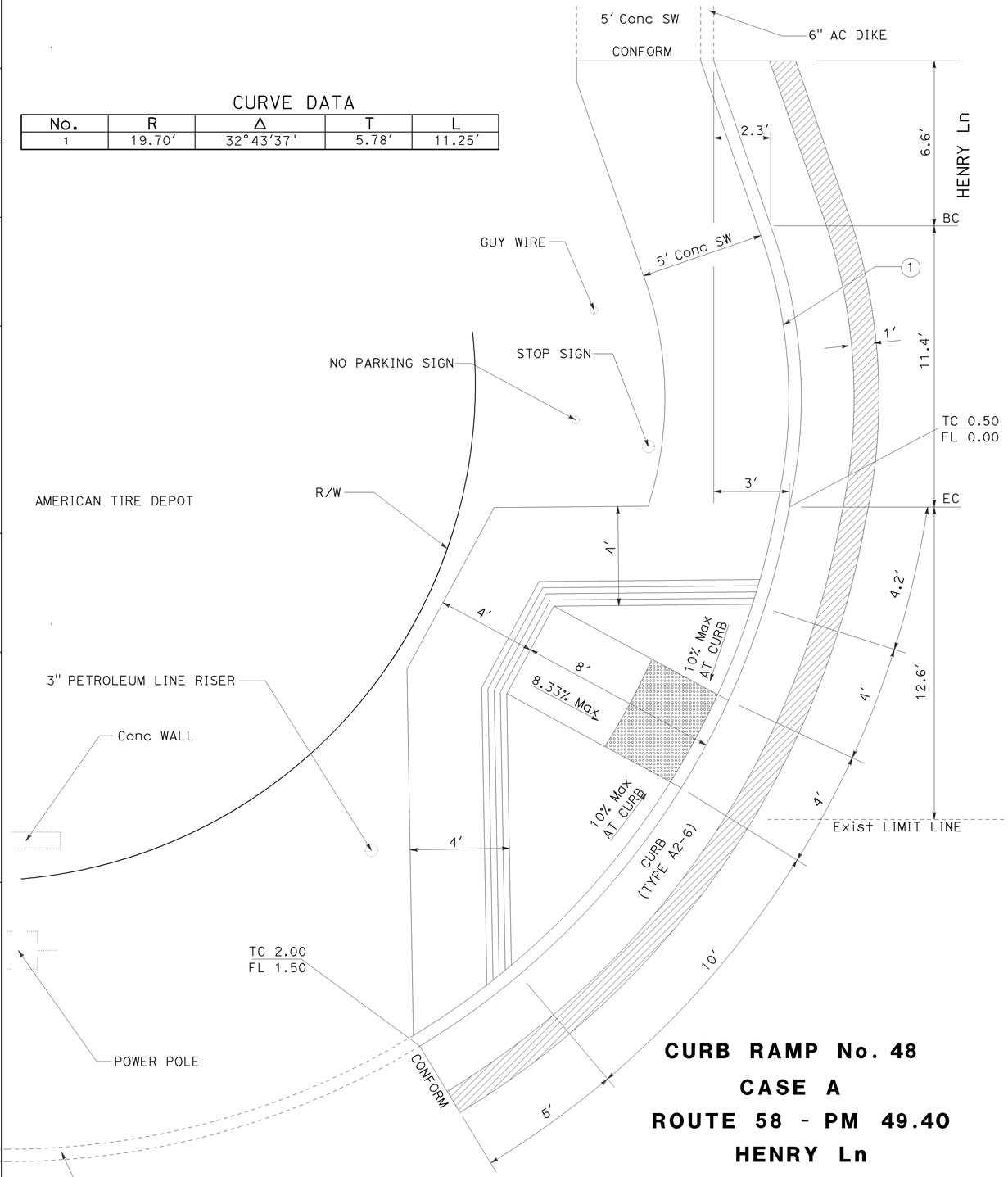
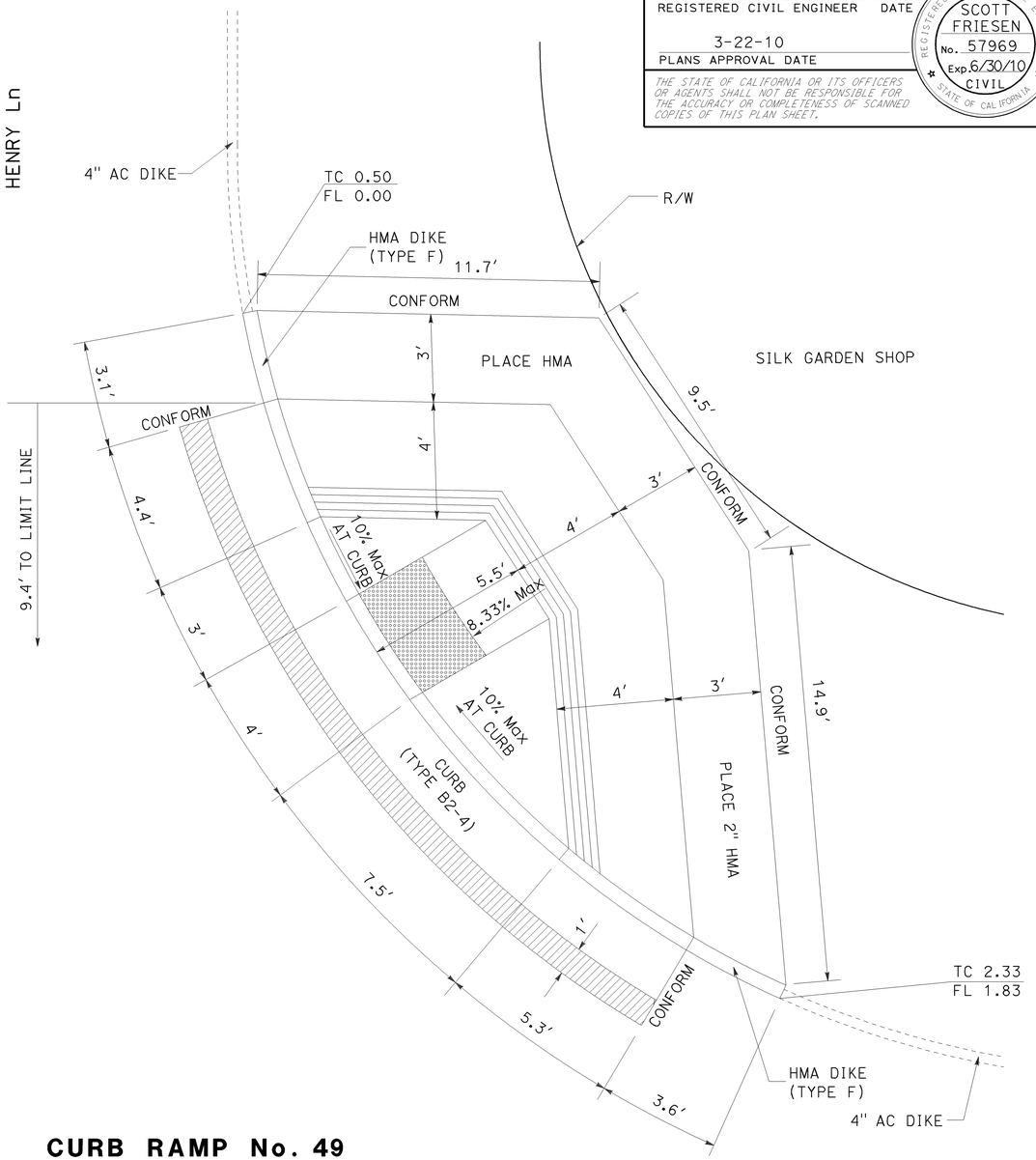


ROUTE 58

CURB RAMP No. 48
CASE A
ROUTE 58 - PM 49.40
HENRY Ln
(NW CORNER)



ROUTE 58

CURB RAMP No. 49
CASE A
ROUTE 58 - PM 49.40
HENRY Ln
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-27**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 11-APR-2010 09-22-09 TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga027.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	30	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — CIVIL — STATE OF CALIFORNIA

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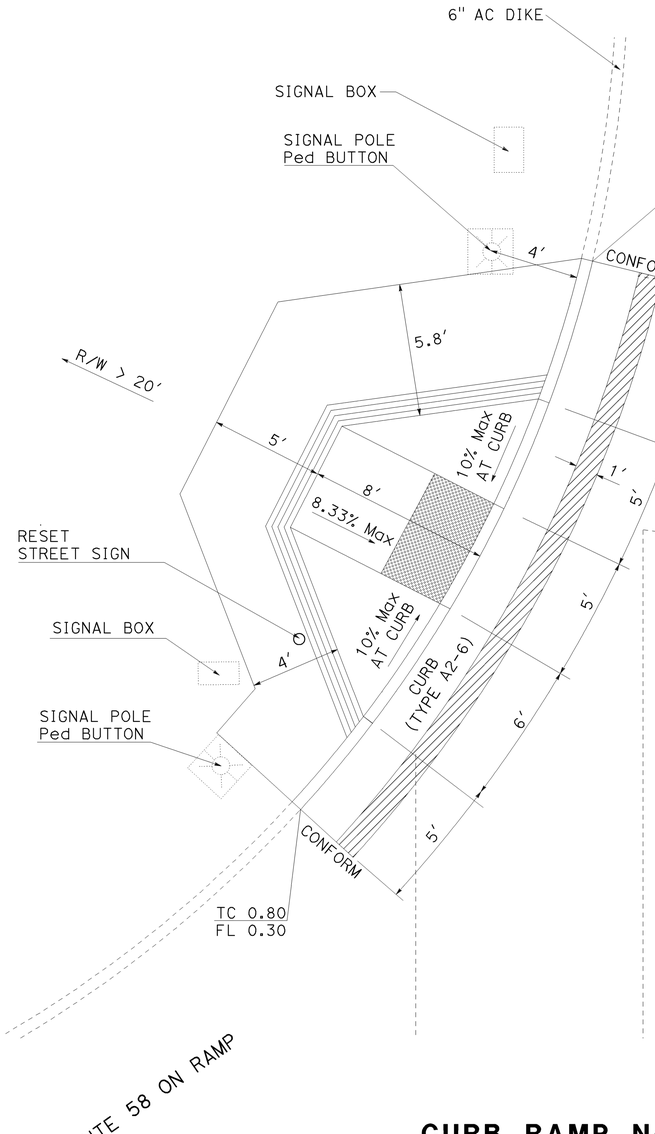
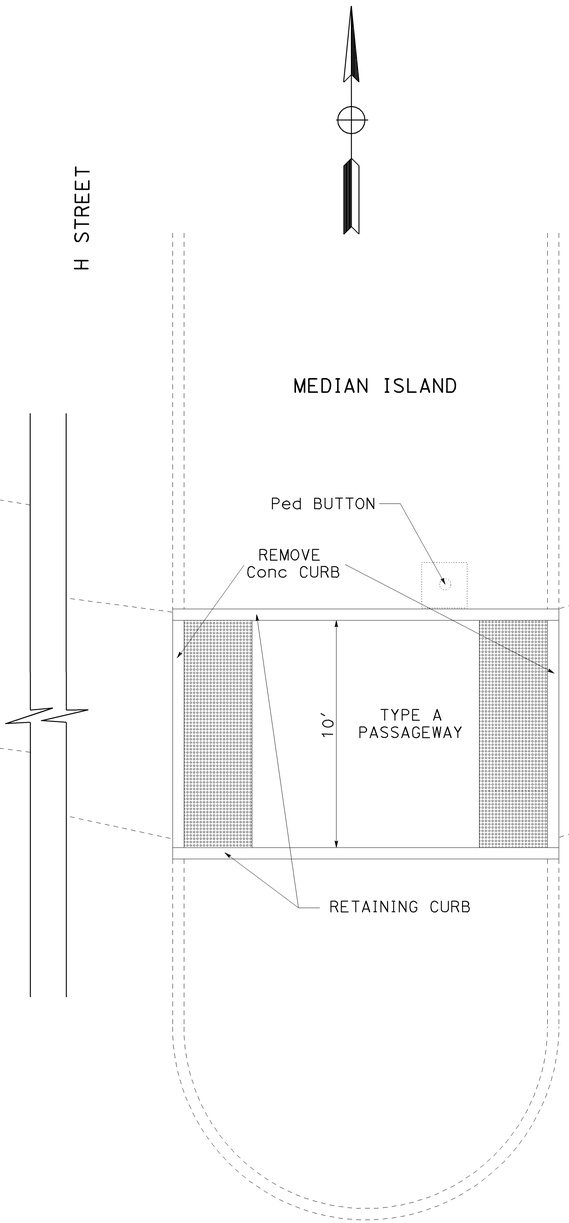
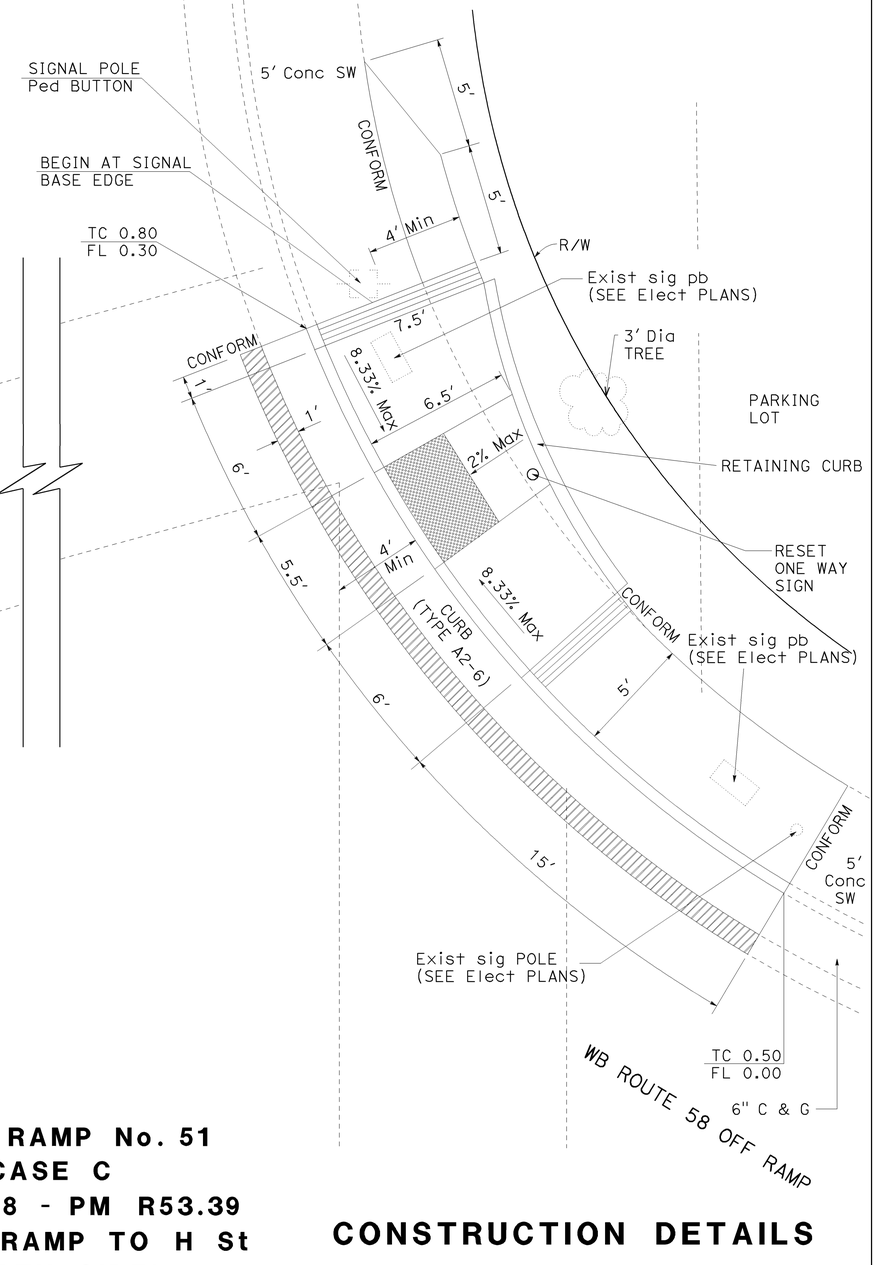
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.







CURB RAMP No. 50
CASE A
ROUTE 58 - PM R53.39
WB ON RAMP FROM H St
(NORTH SIDE)

CURB RAMP No. 51
CASE C
ROUTE 58 - PM R53.39
WB OFF RAMP TO H St
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-28**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:29
LAST REVISION 09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga028.dgn
CU 06252
EA 0G9401

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

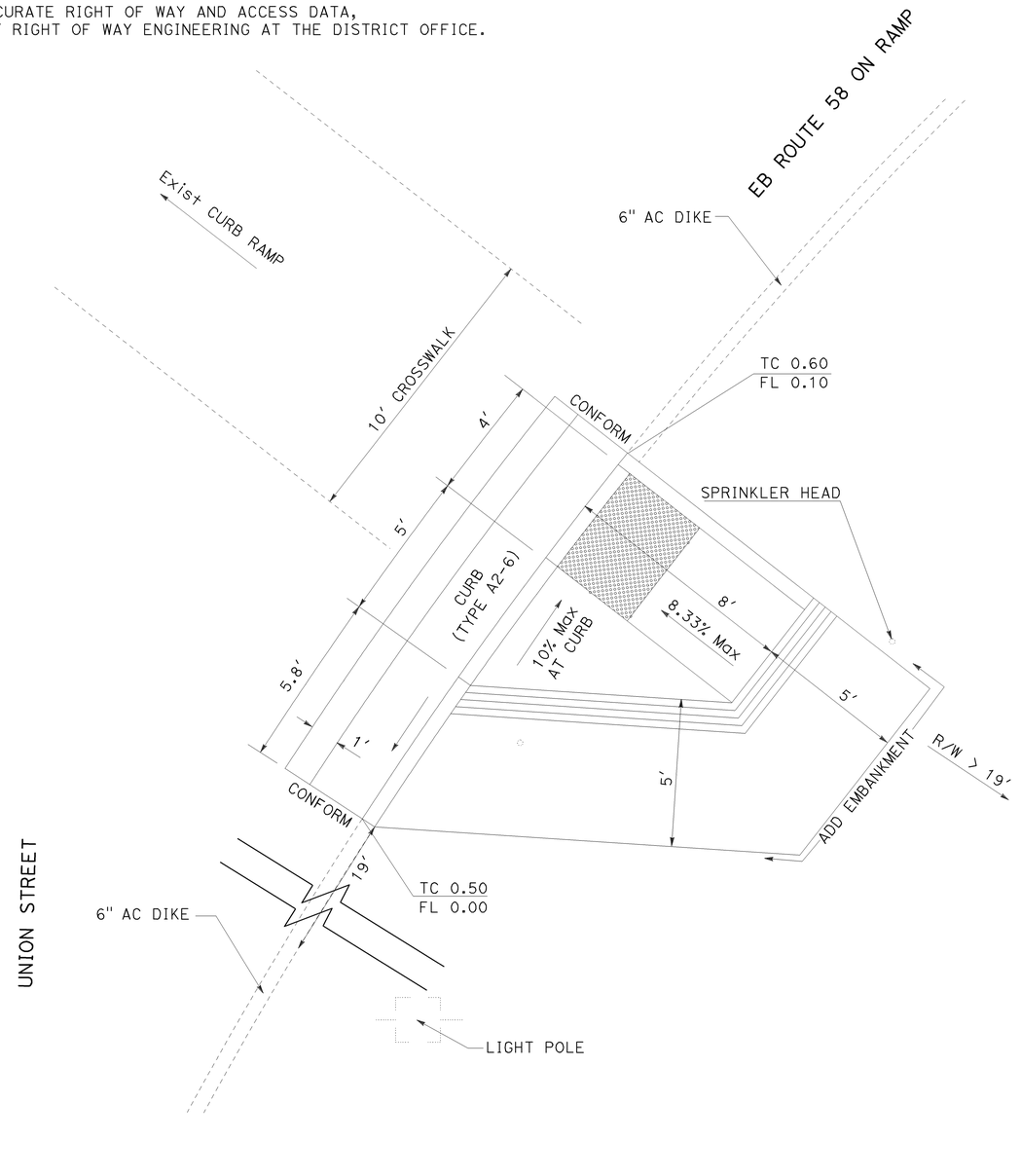
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	31	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

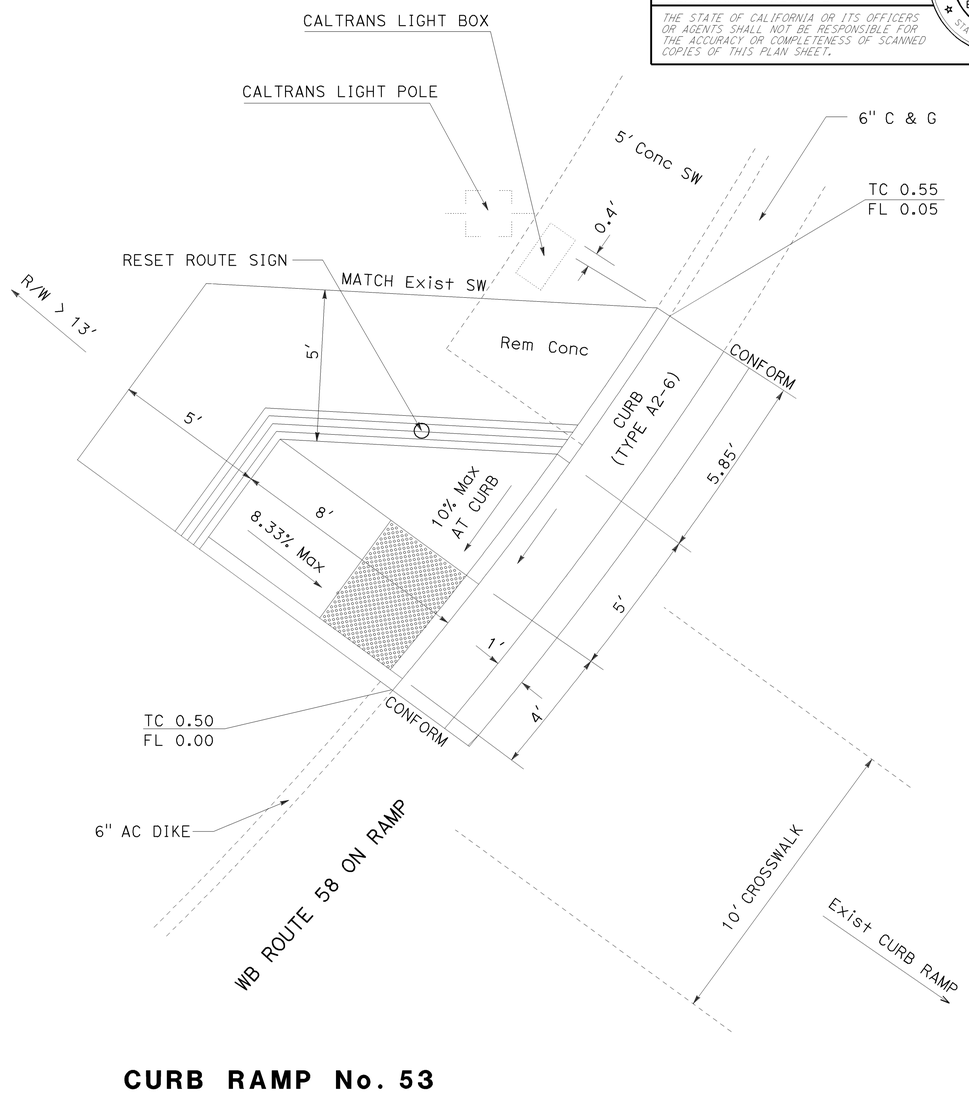
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 52
CASE G
ROUTE 58 - PM R54.41
EB ON RAMP FROM UNION St
(SOUTH SIDE)



CURB RAMP No. 53
CASE G
ROUTE 58 - PM R54.41
WB ON RAMP FROM UNION St
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-29**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:29

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

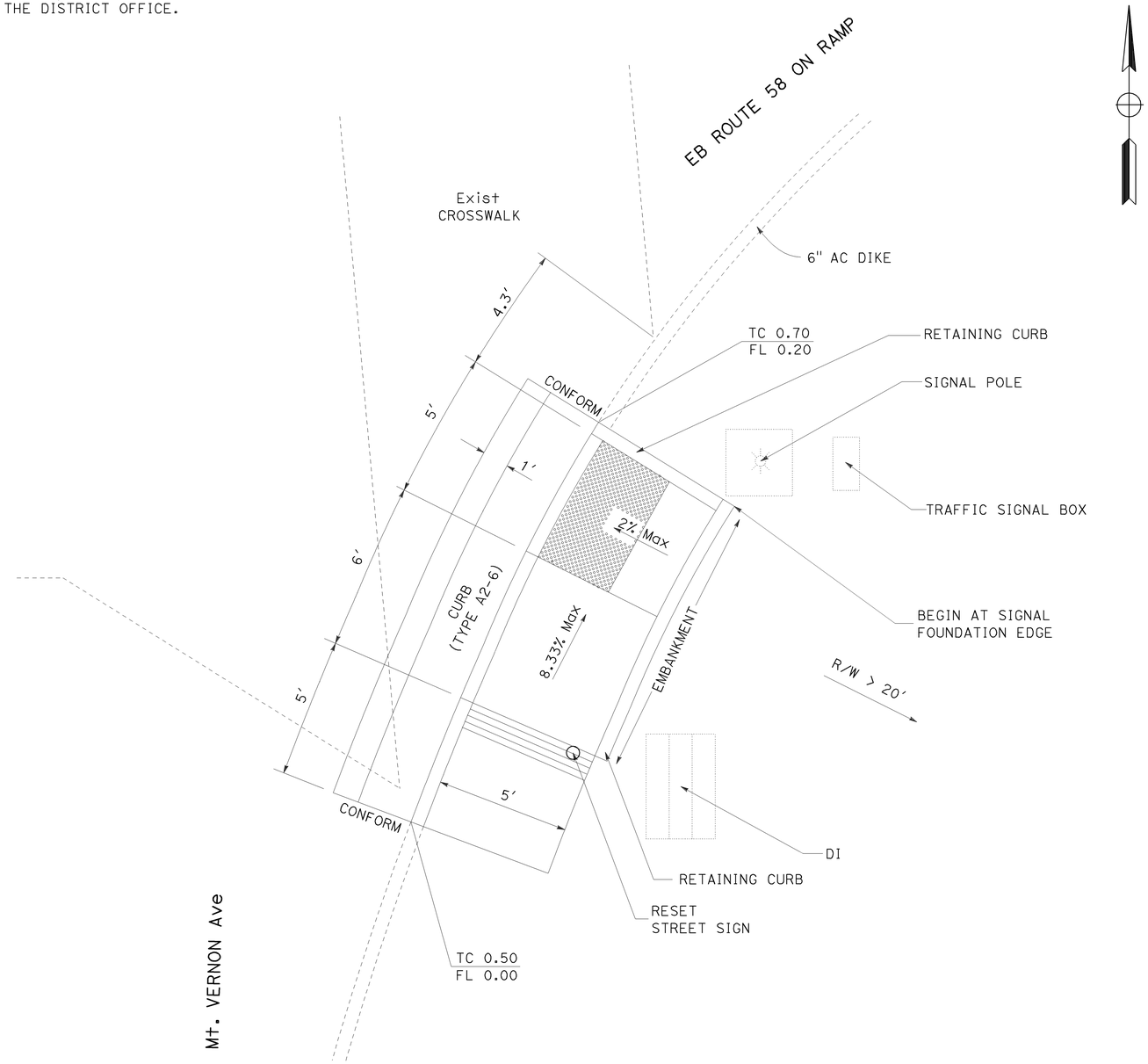
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	32	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 54
MODIFIED CASE C
ROUTE 58 - PM R56.41
EB ON RAMP FROM Mt VERNON Ave
(SOUTH SIDE)

CONSTRUCTION DETAILS

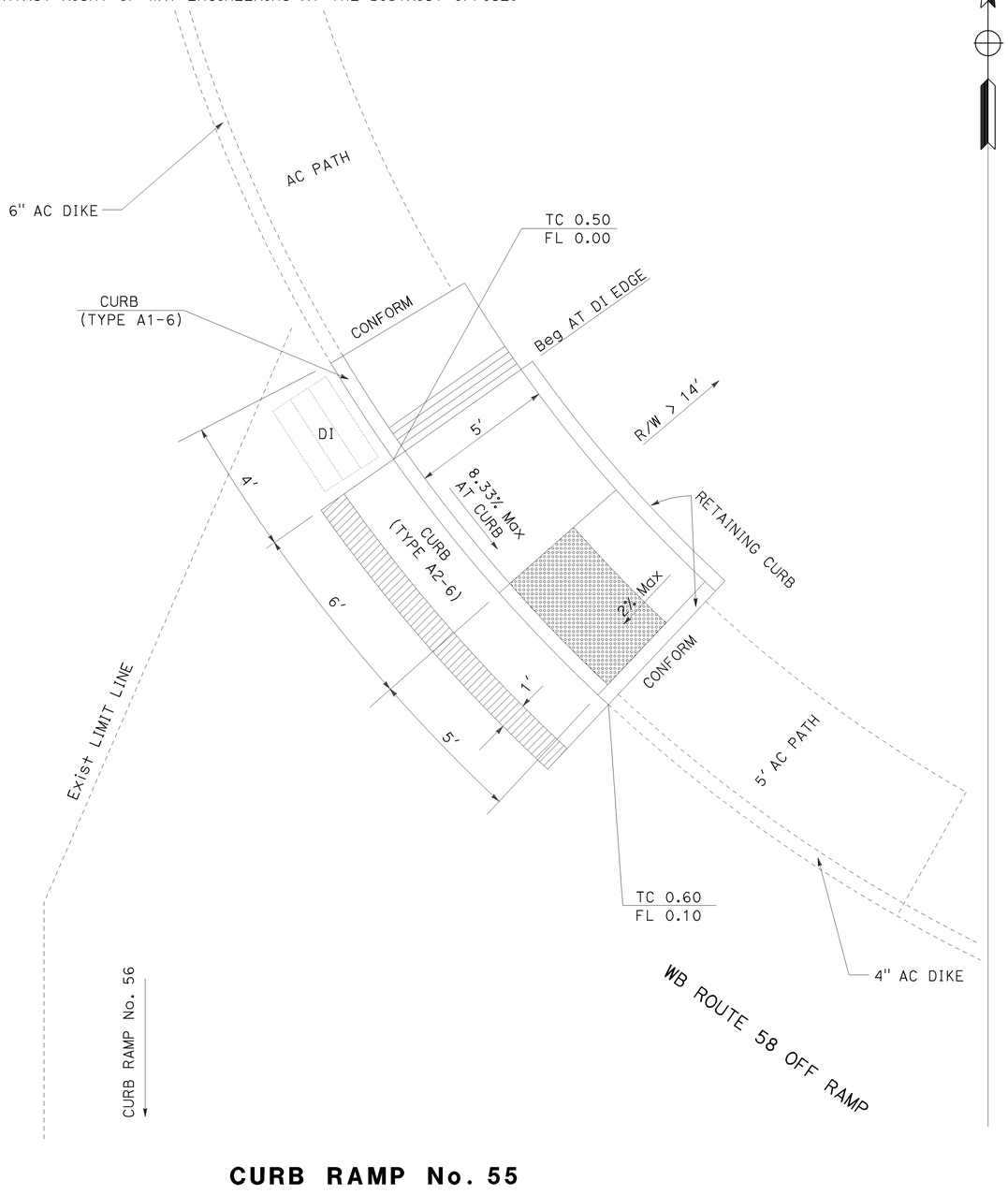
NO SCALE **C-30**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

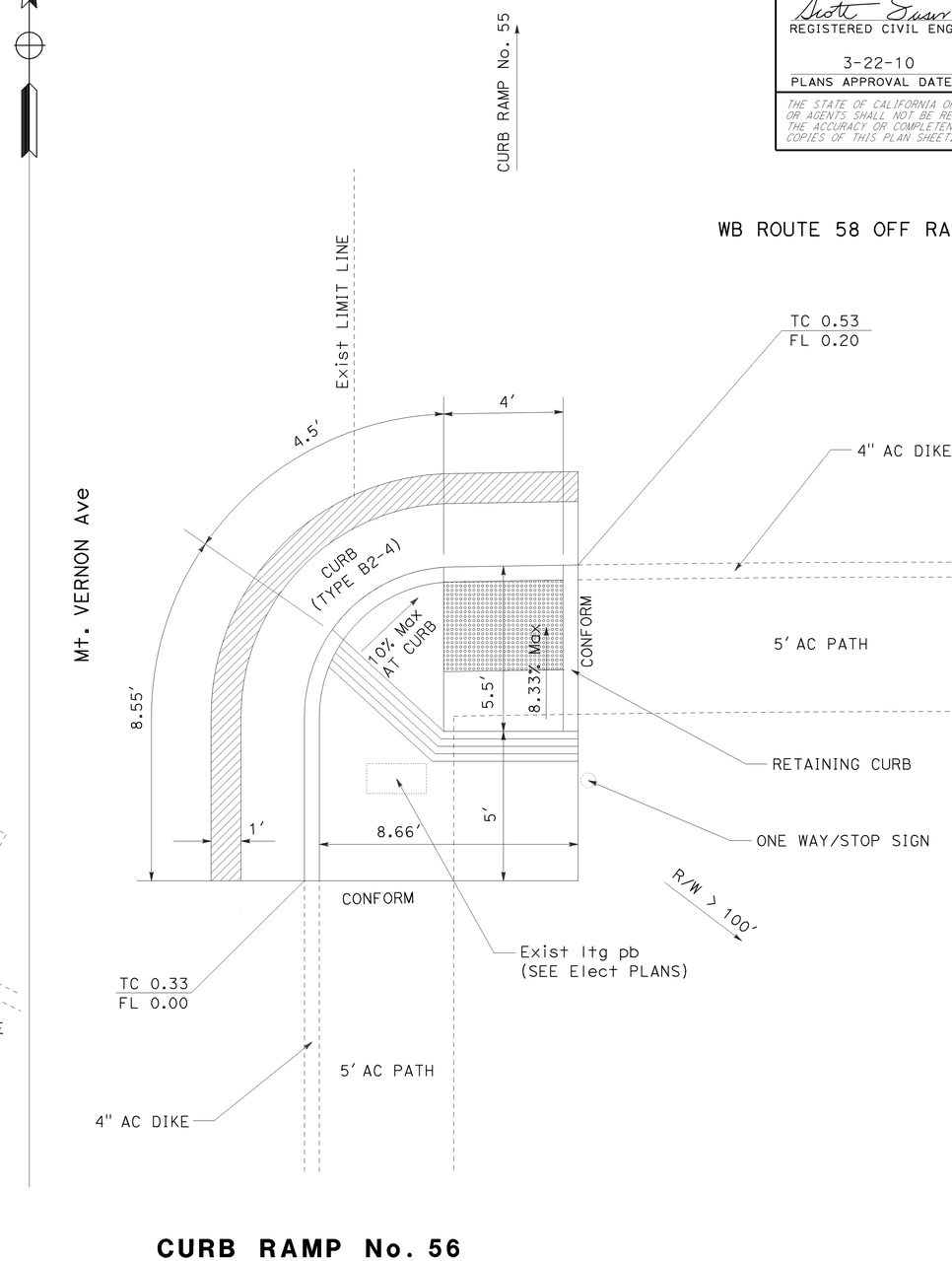
LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga030.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 55
MODIFIED CASE C
ROUTE 58 - PM R56.41
WB OFF RAMP TO Mt VERNON Ave
(NORTH SIDE)



CURB RAMP No. 56
CASE G
ROUTE 58 - PM R56.41
WB OFF RAMP TO Mt VERNON Ave
(SOUTH SIDE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	33	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.

CONSTRUCTION DETAILS

NO SCALE **C-31**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 11-APR-2010 09-22-09 TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga031.dgn

CU 06252

EA 0G9401

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

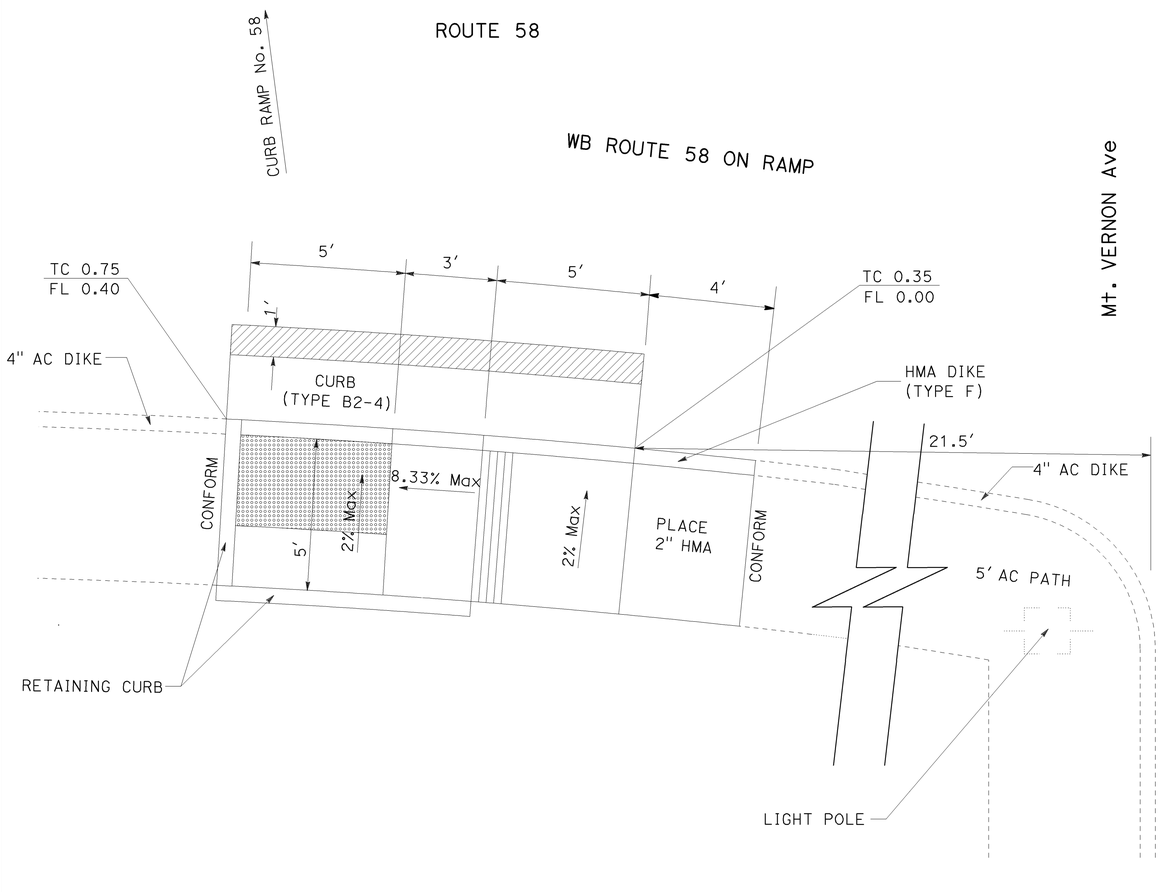
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	34	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

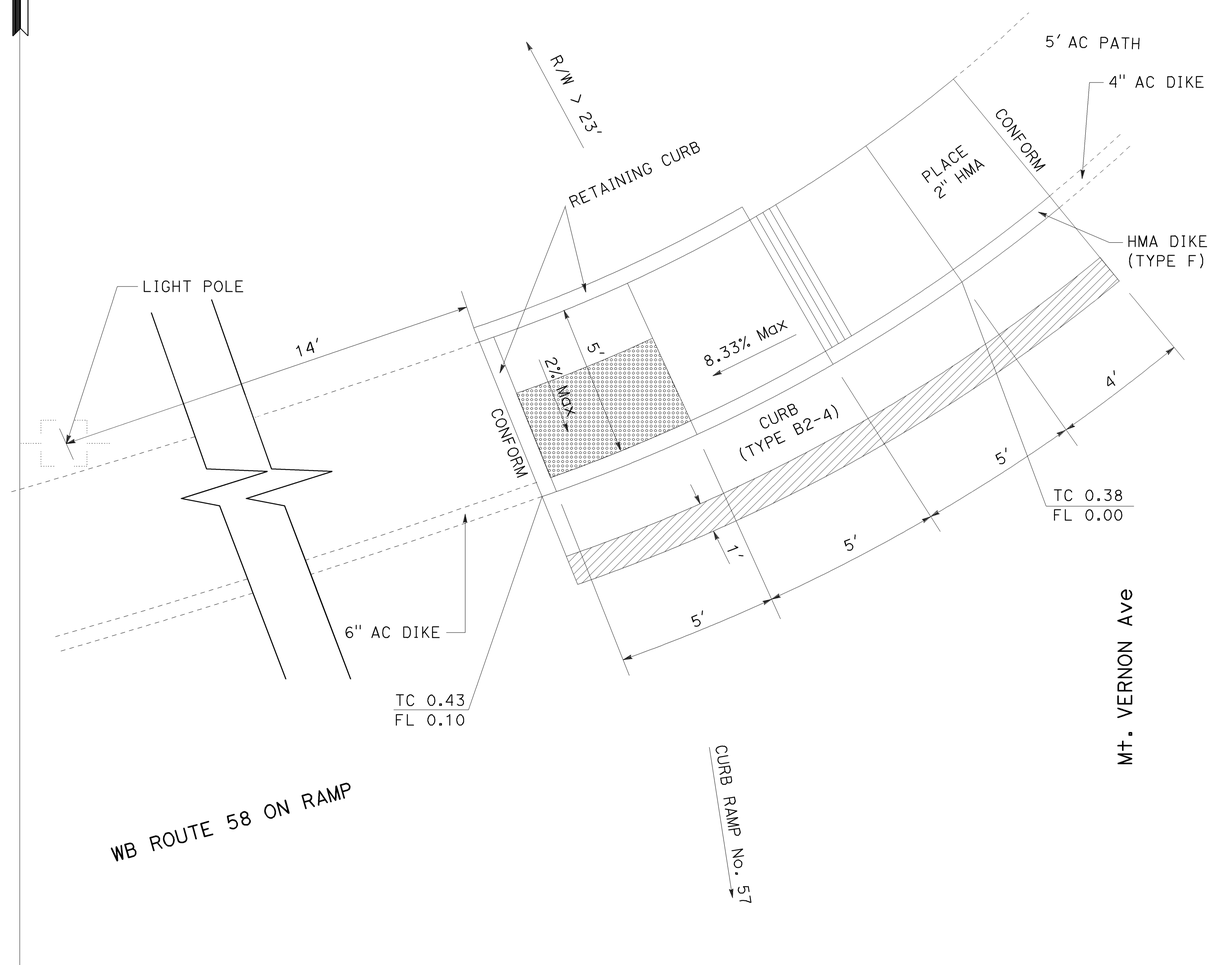
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 57
MODIFIED CASE C
ROUTE 58 - PM R56.41
WB ON RAMP FROM Mt VERNON Ave
(SOUTH SIDE)



CURB RAMP No. 58
MODIFIED CASE C
ROUTE 58 - PM R56.41
WB ON RAMP FROM Mt VERNON Ave
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-32**

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 18:29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga032.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	35	129

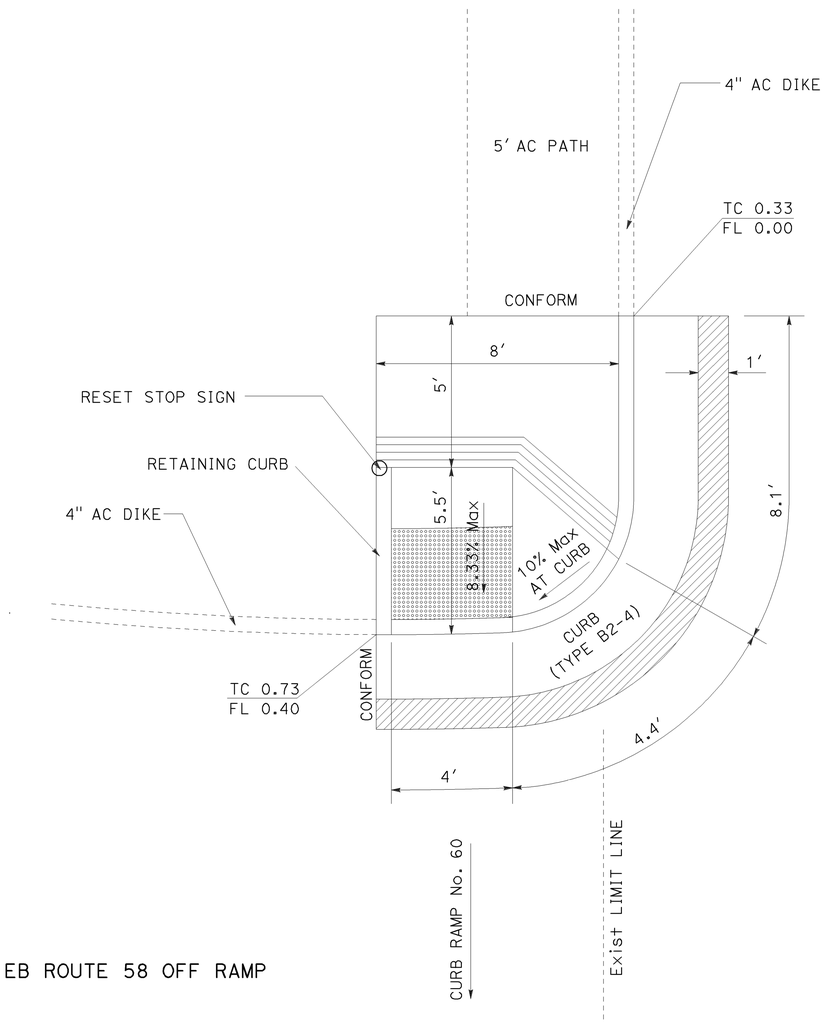
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp.6/30/10 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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

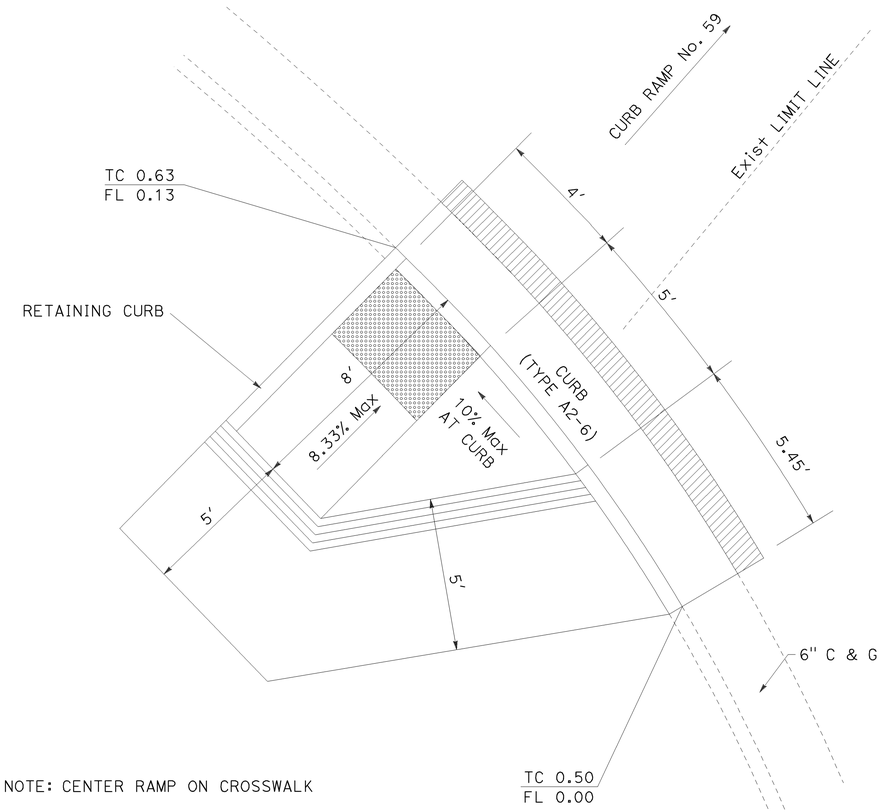


EB ROUTE 58 OFF RAMP

CURB RAMP No. 59
CASE G
ROUTE 58 - PM R57.17
EB OFF RAMP TO OSWELL St
(NORTH SIDE)

OSWELL St

EB ROUTE 58 OF RAMP



NOTE: CENTER RAMP ON CROSSWALK

OSWELL St

LIGHT POLE

CURB RAMP No. 60
CASE G
ROUTE 58 - PM R57.17
EB OFF RAMP TO OSWELL St
(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-33**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga033.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	36	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — CIVIL — STATE OF CALIFORNIA

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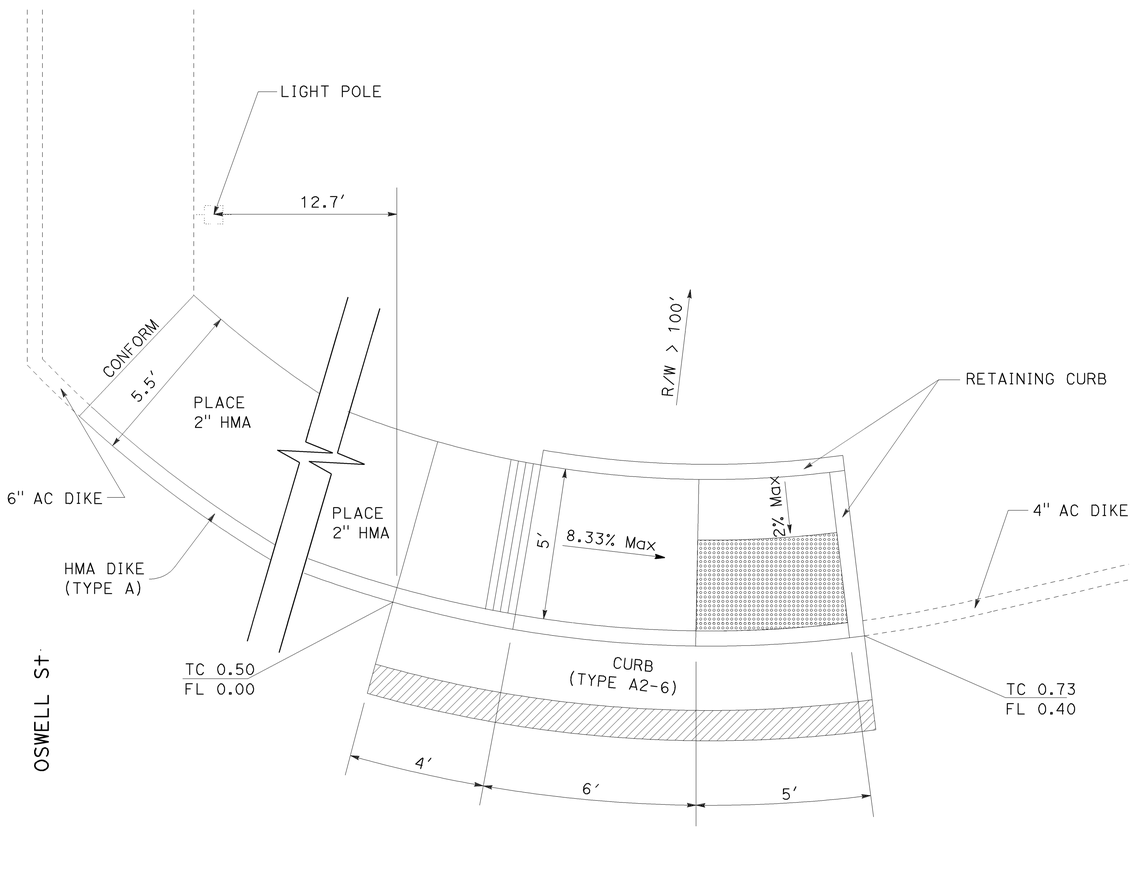
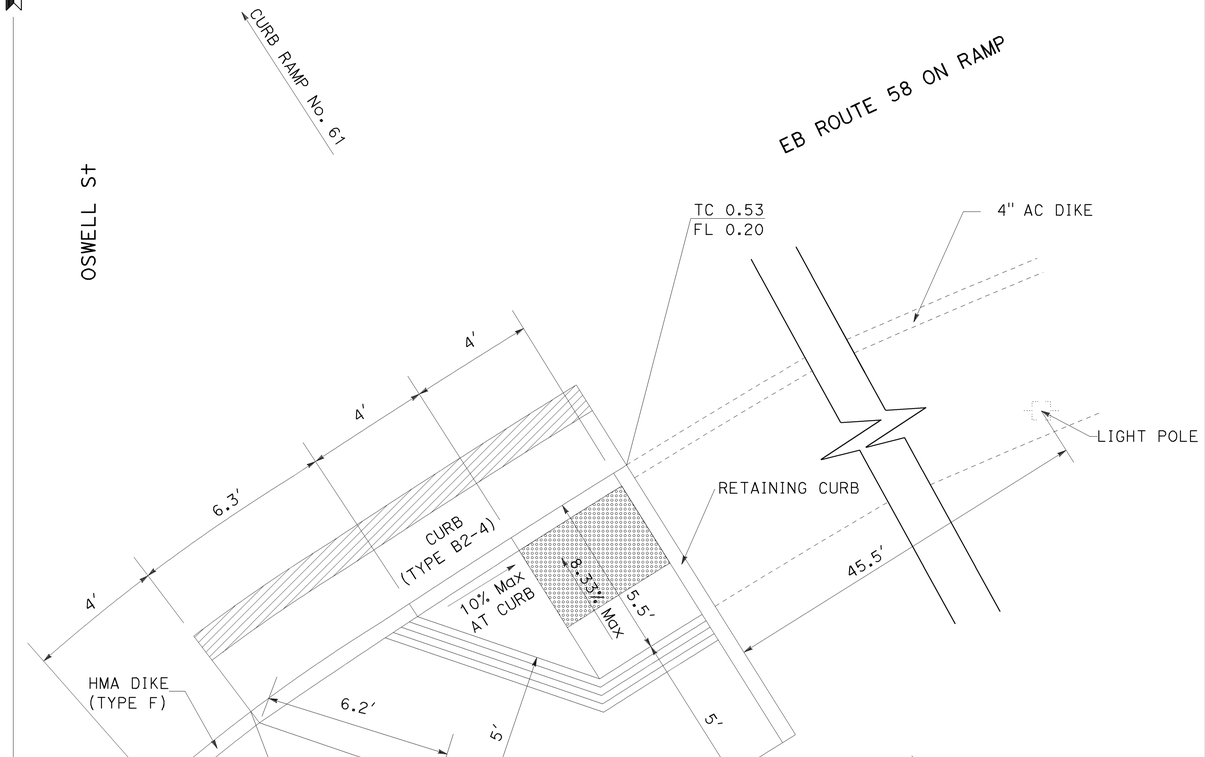
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



EB ROUTE 58 ON RAMP

CURB RAMP No. 62

CURB RAMP No. 61
MODIFIED CASE C
ROUTE 58 - PM R57.17
EB ON RAMP FROM OSWELL St
(NORTH SIDE)



CURB RAMP No. 62
CASE G
ROUTE 58 - PM R57.17
EB ON RAMP FROM OSWELL St
(SOUTH SIDE)

CONSTRUCTION DETAILS

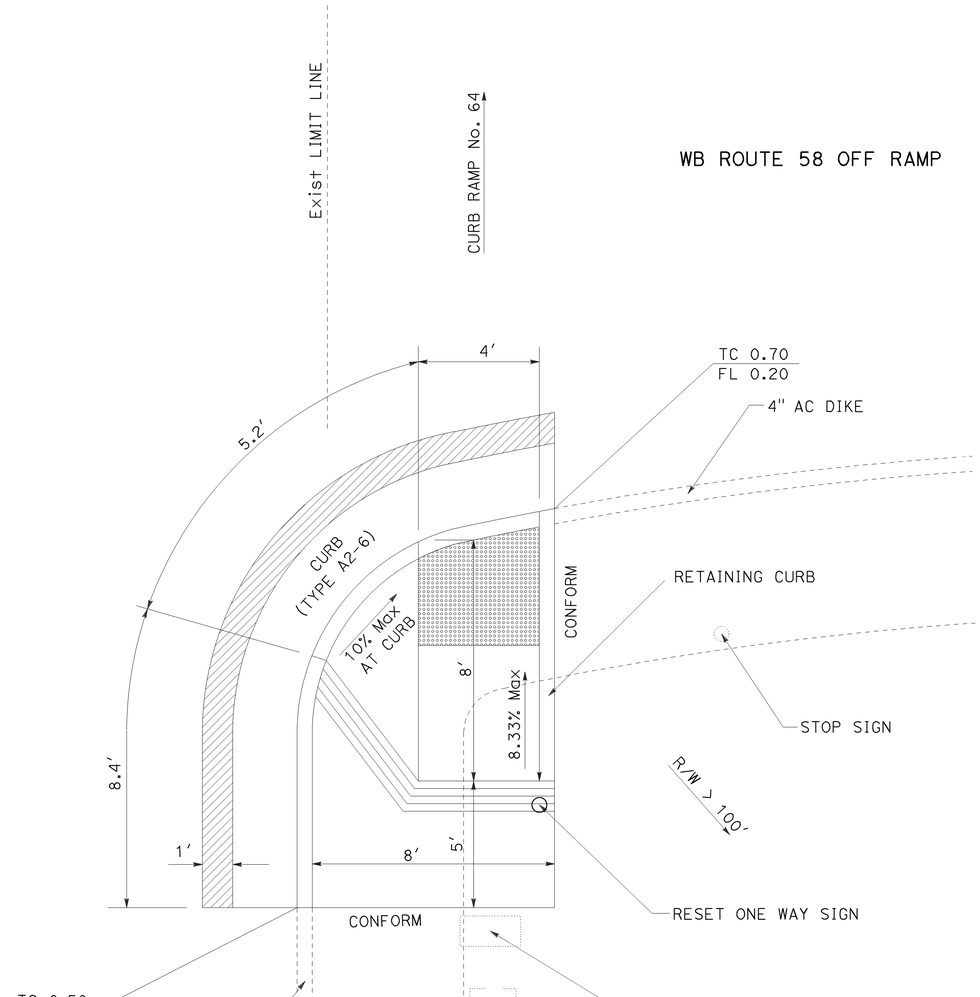
NO SCALE

C-34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:29

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



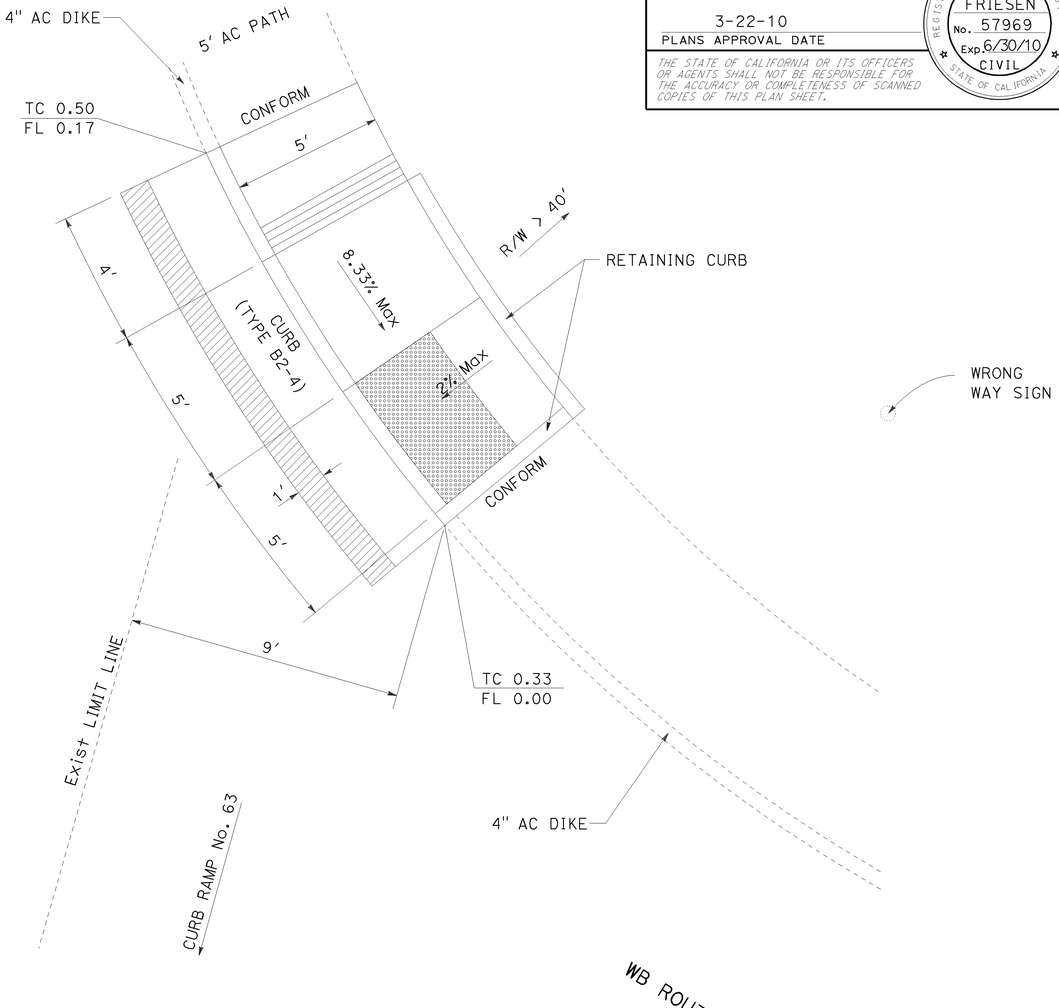
CURB RAMP No. 63

CASE G

ROUTE 58 - PM R57.17

WB OFF RAMP TO OSWELL St

(SOUTH SIDE)



CURB RAMP No. 64

MODIFIED CASE C

ROUTE 58 - PM R57.17

WB OFF RAMP TO OSWELL St

(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

C-35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	37	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 16:29
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga035.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	38	129

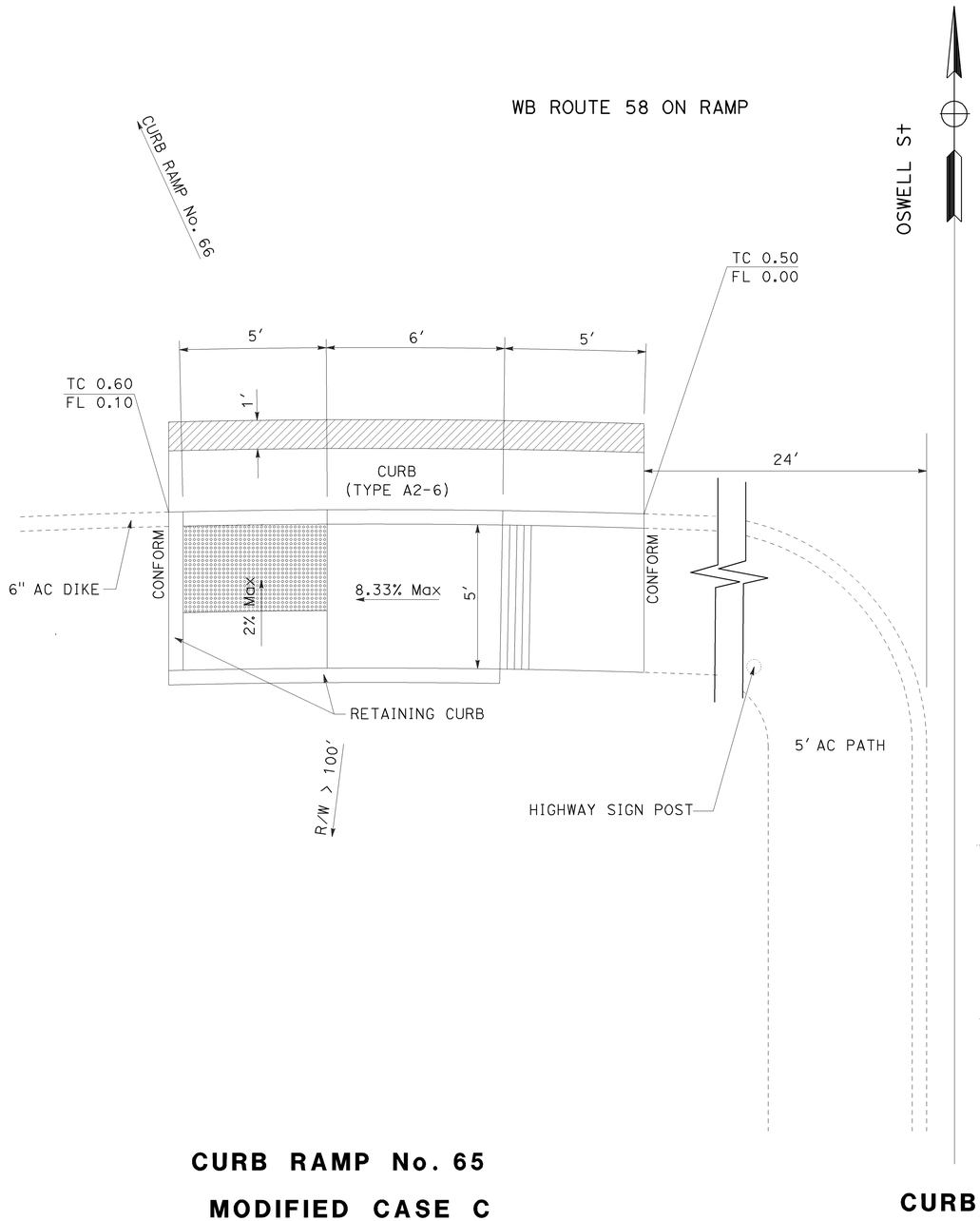
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

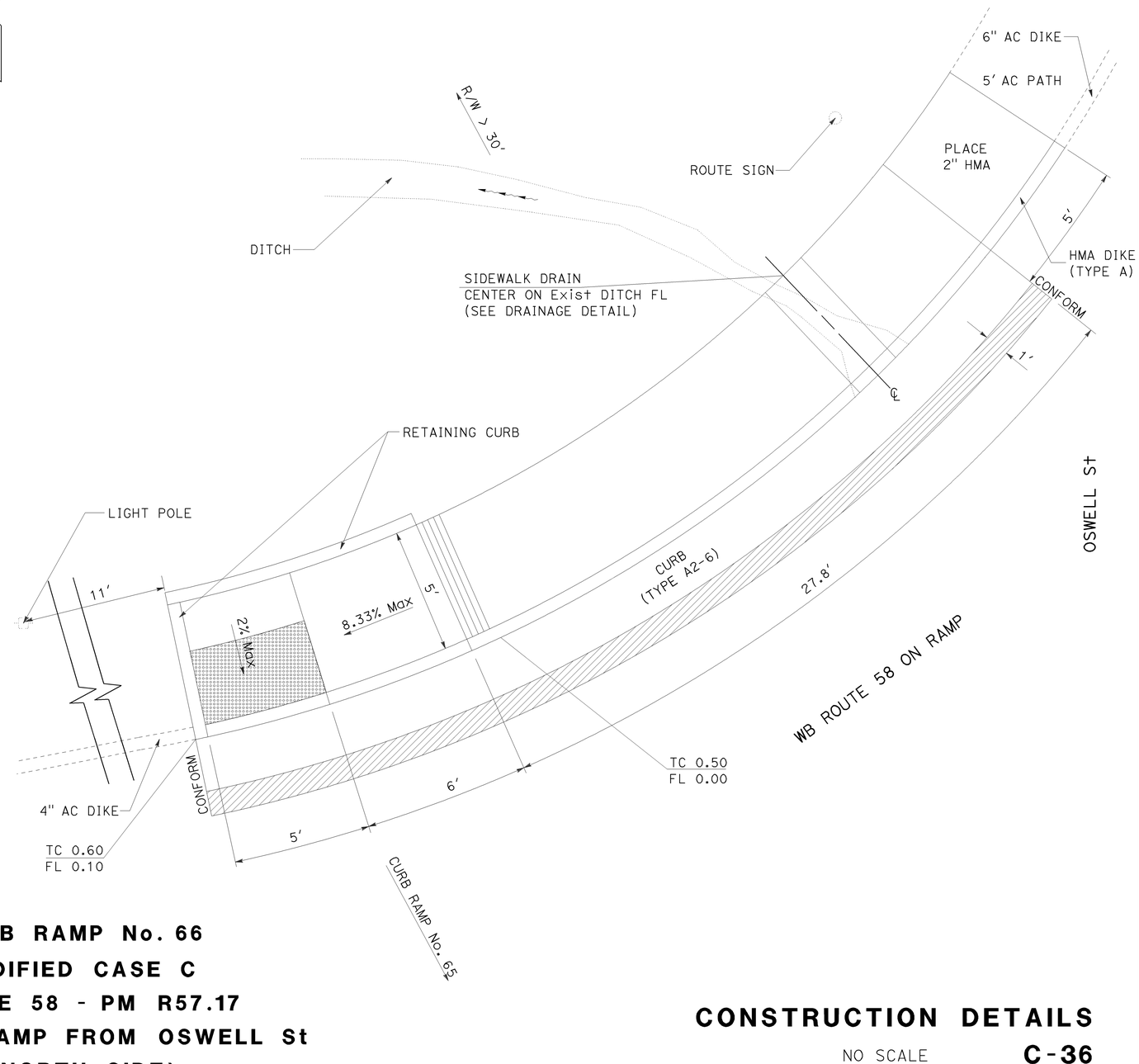
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 65
MODIFIED CASE C
ROUTE 58 - PM R57.17
WB ON RAMP FROM OSWELL St
(SOUTH SIDE)



CURB RAMP No. 66
MODIFIED CASE C
ROUTE 58 - PM R57.17
WB ON RAMP FROM OSWELL St
(NORTH SIDE)

CONSTRUCTION DETAILS

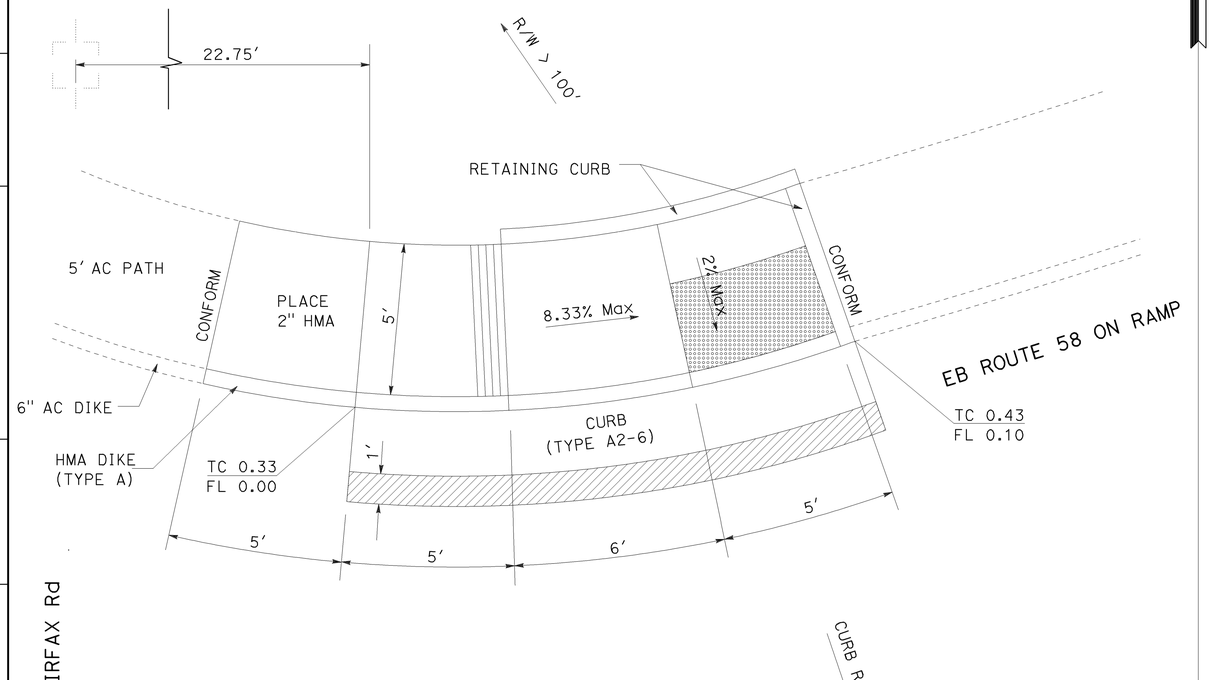
NO SCALE **C-36**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010 | 09-22-09 | TIME PLOTTED => 18:29

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga036.dgn
CU 06252
EA 0G9401

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



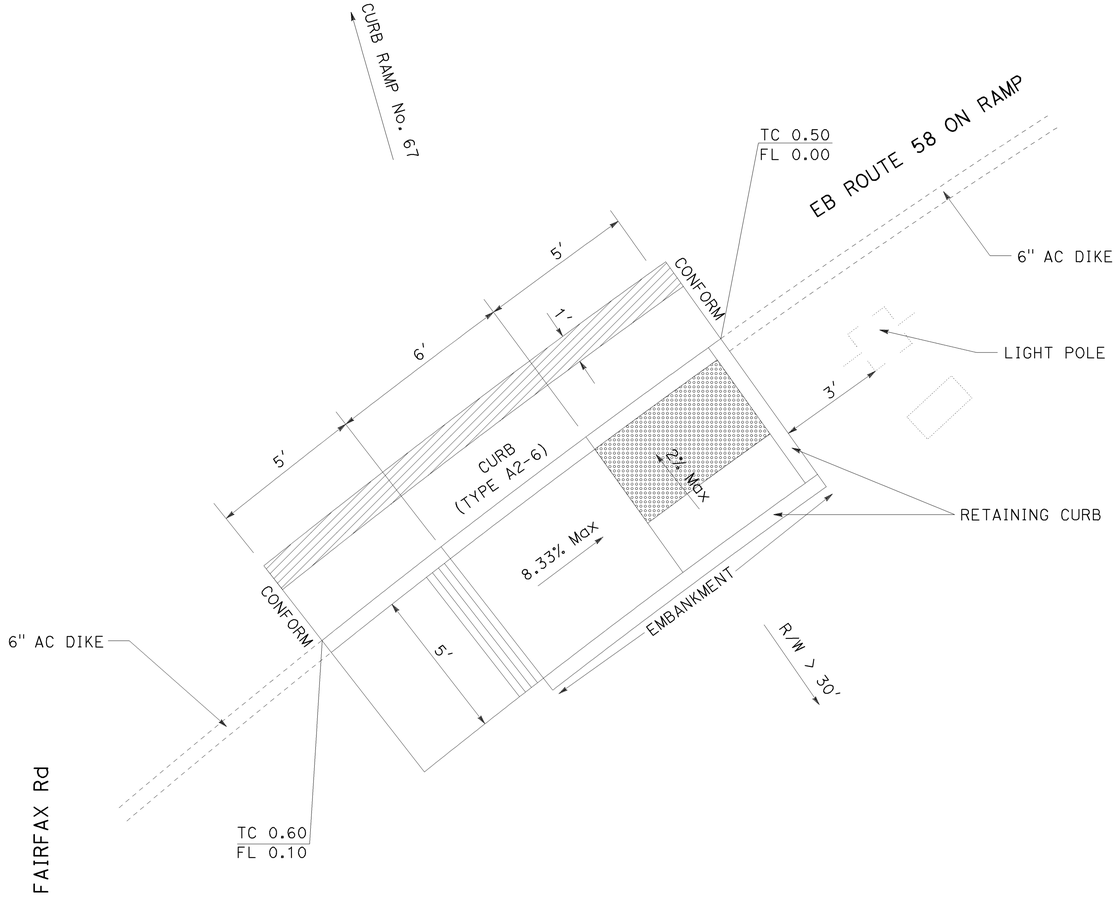
CURB RAMP No. 67

MODIFIED CASE C

ROUTE 58 - PM R58.43

EB ON RAMP FROM FAIRFAX Rd

(NORTH SIDE)



CURB RAMP No. 68

MODIFIED CASE C

ROUTE 58 - PM R58.43

EB ON RAMP FROM FAIRFAX Rd

(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

C-37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	39	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga037.dgn

CU 06252

EA 0G9401

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

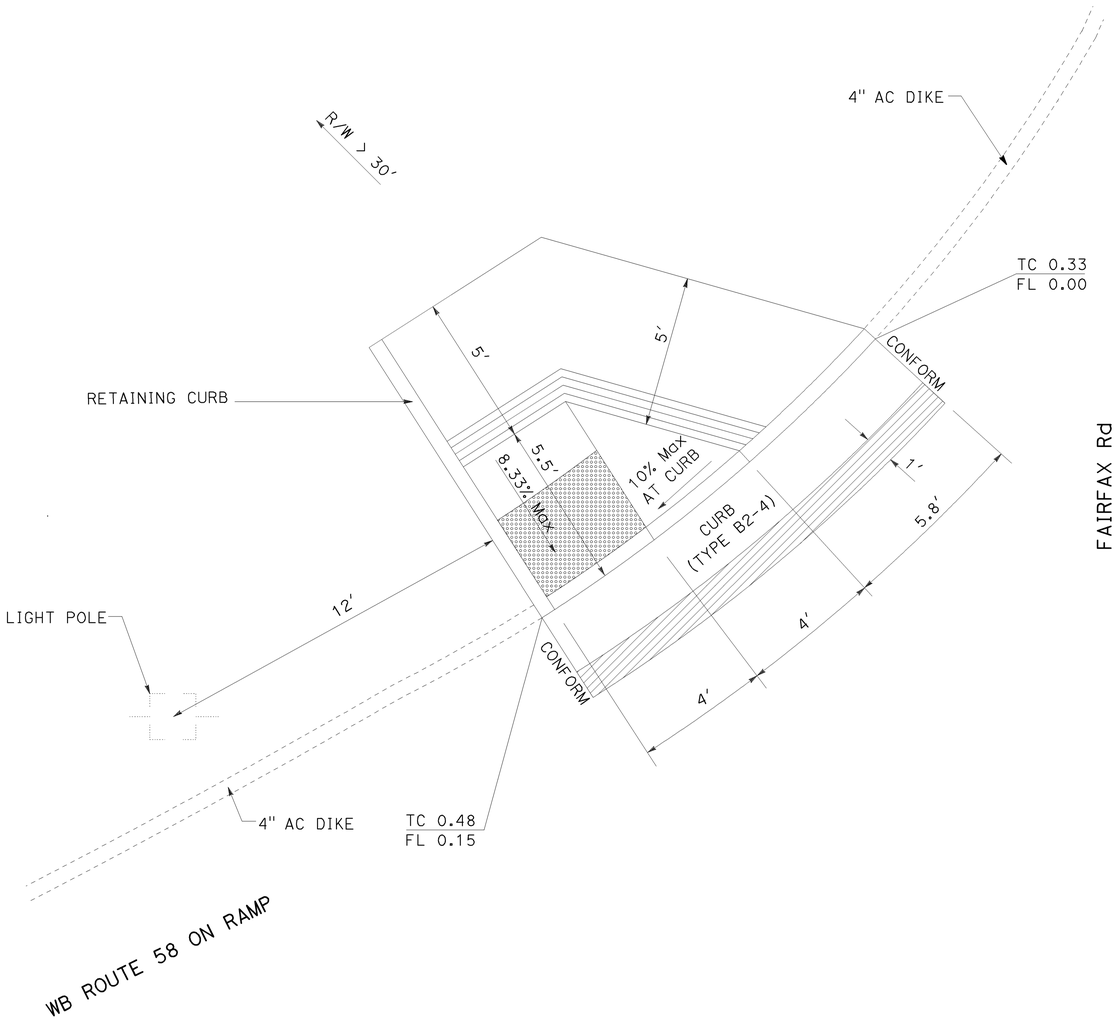
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	40	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

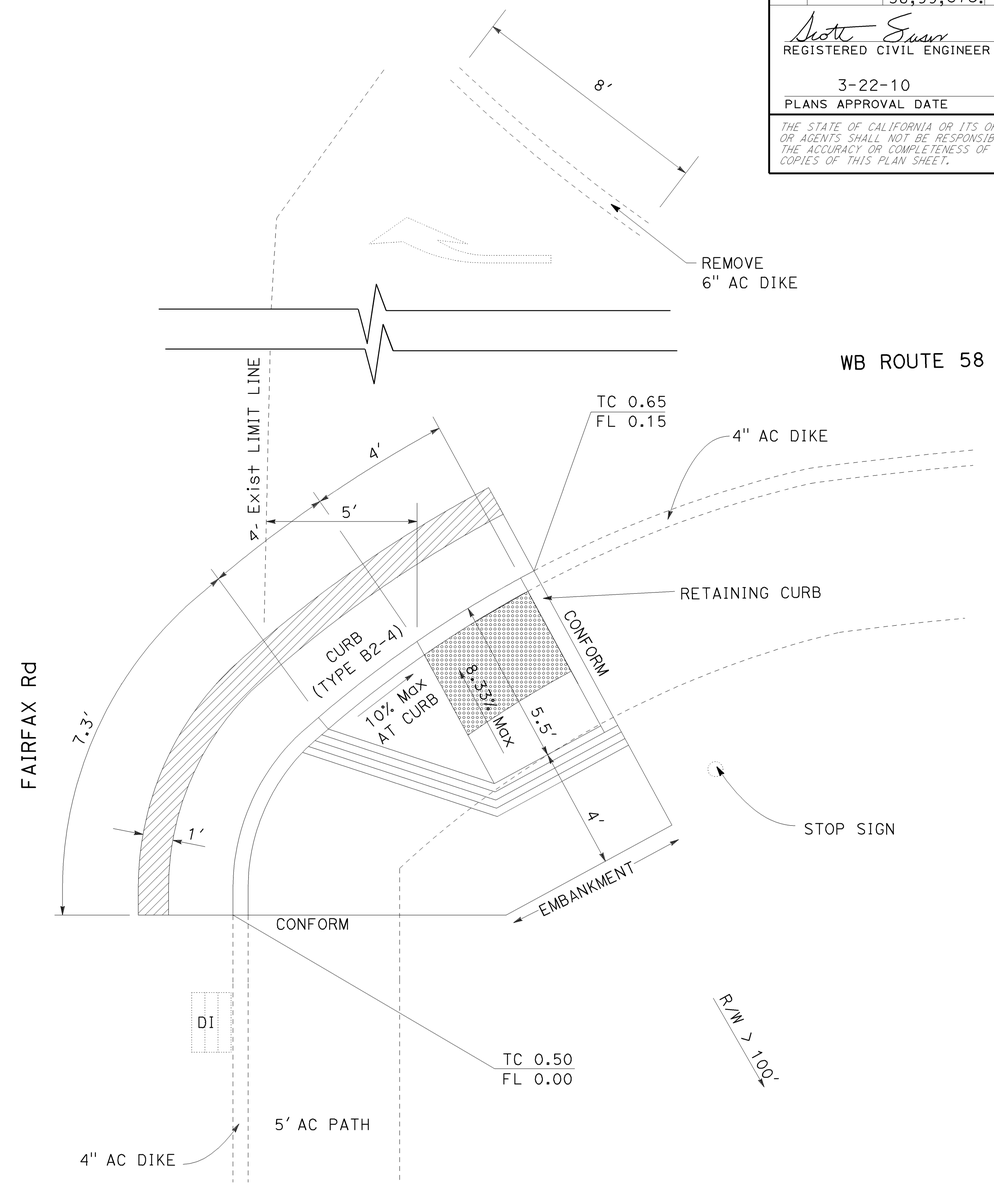
3-22-10
PLANS APPROVAL DATE

SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.



FAIRFAX Rd



CURB RAMP No. 69

CASE G
ROUTE 58 - PM R58.43
WB ON RAMP FROM FAIRFAX Rd
(NORTH SIDE)

CURB RAMP No. 70

CASE G
ROUTE 58 - PM R58.43
WB OFF RAMP TO FAIRFAX Rd
(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

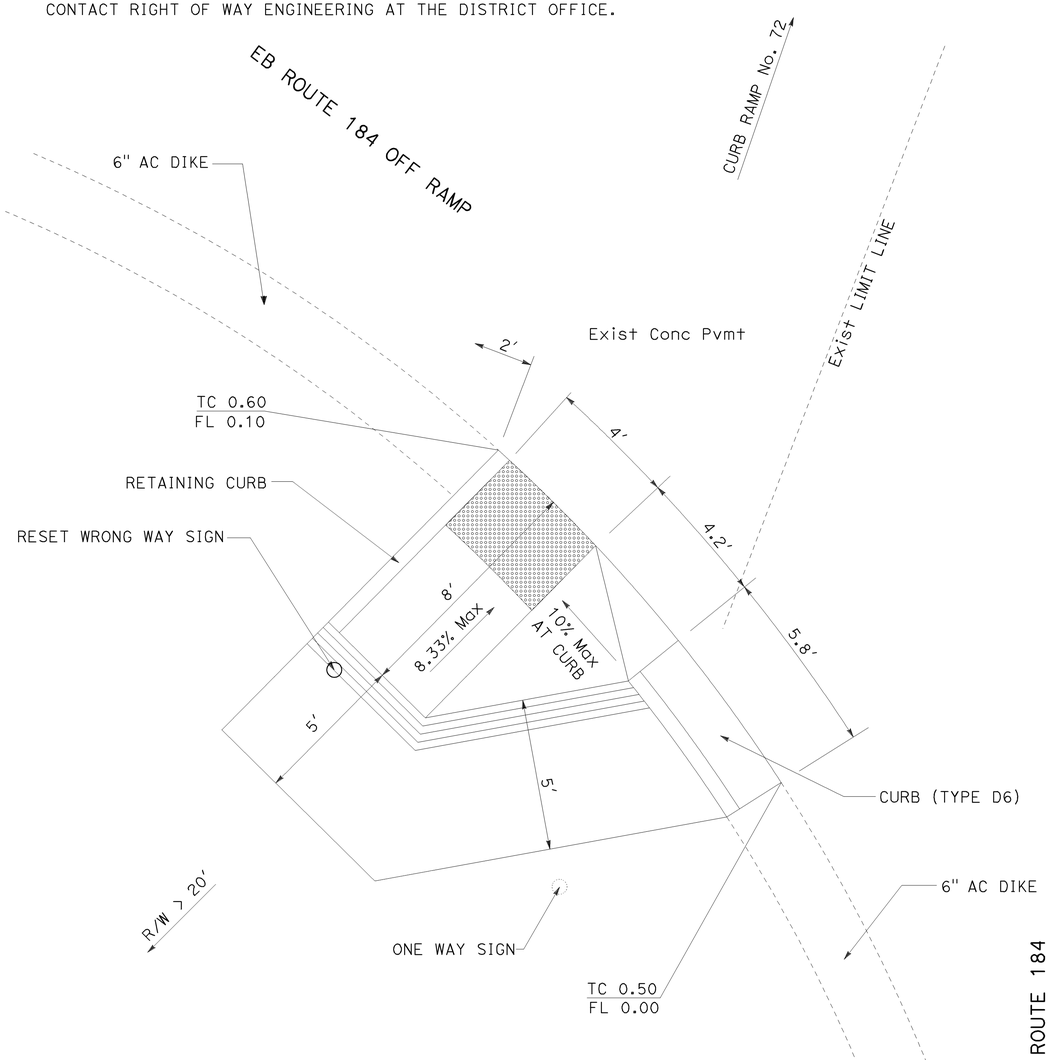
C-38

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

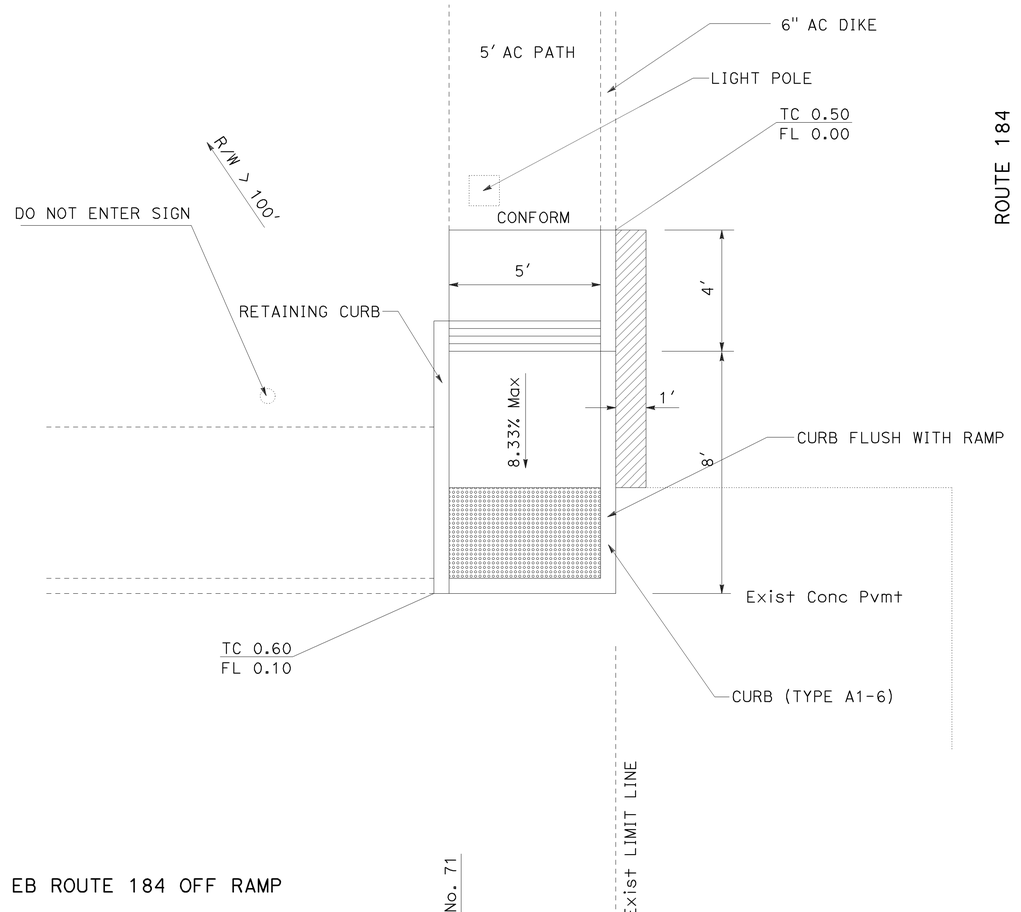
LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 606940ga038.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 71
CASE G
ROUTE 58 - PM R59.44
EB OFF RAMP TO ROUTE 184
(SOUTH SIDE)



CURB RAMP No. 72
MODIFIED CASE F
ROUTE 58 - PM R59.44
EB OFF RAMP TO ROUTE 184
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-39**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	41	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga039.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	42	129

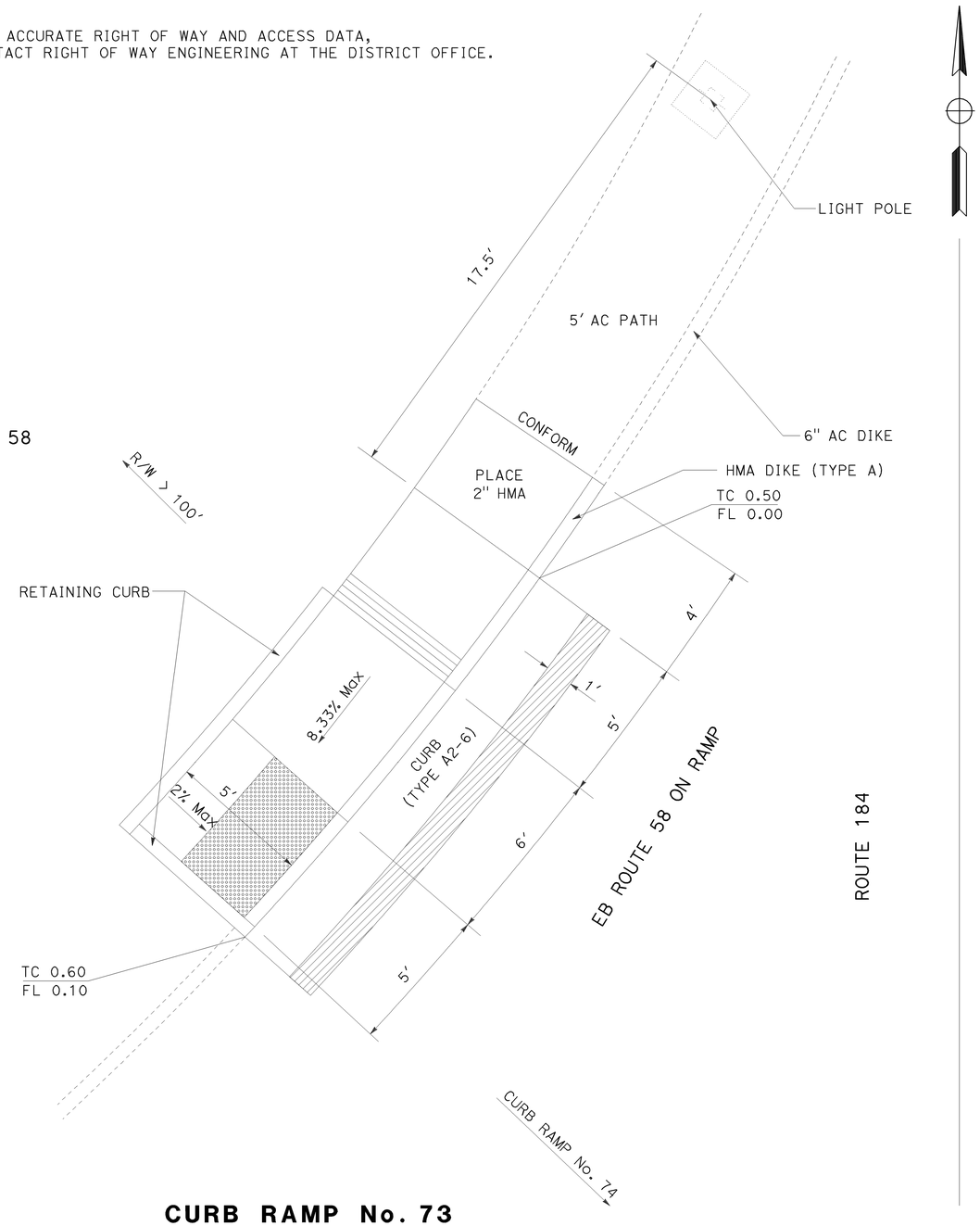
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

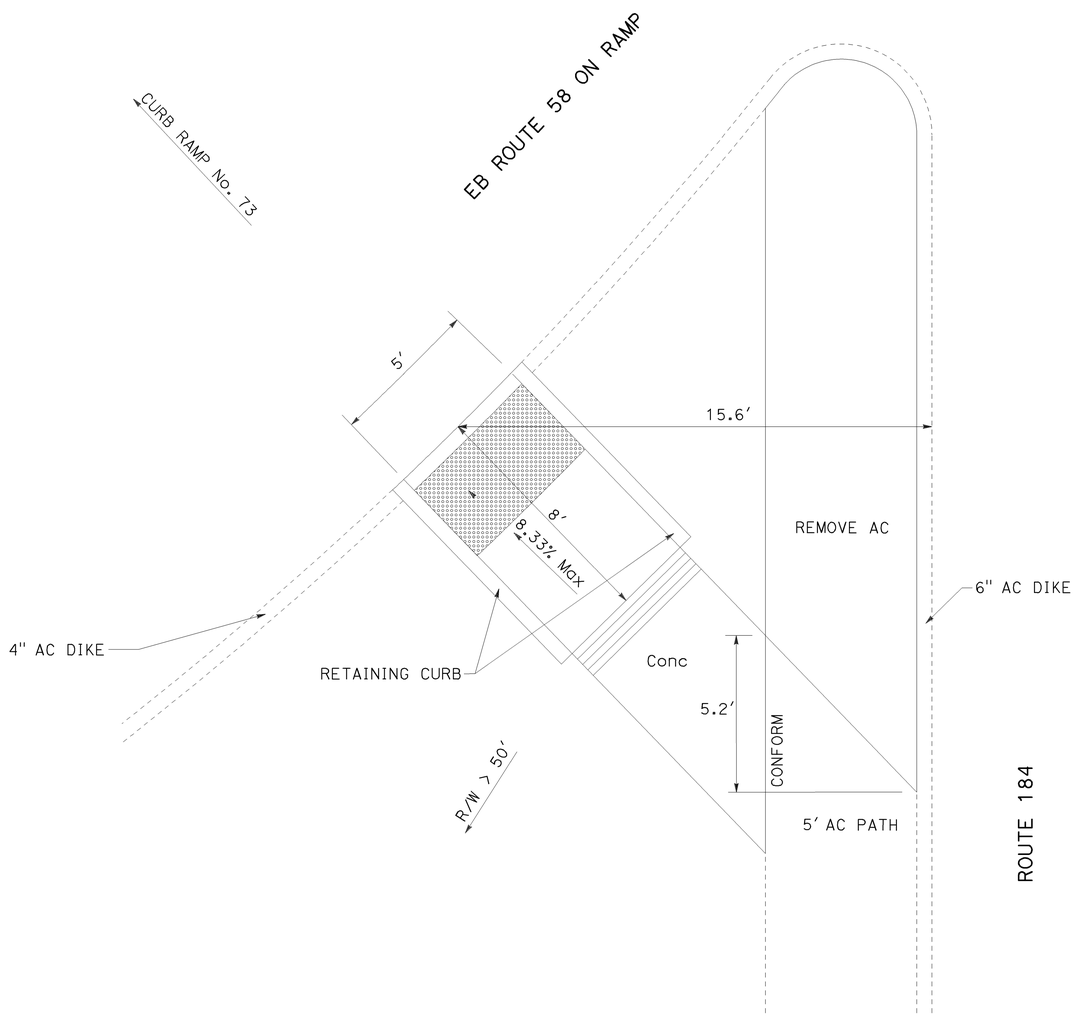
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 73
MODIFIED CASE C
ROUTE 58 - PM R59.44
EB LOOP ON RAMP FROM ROUTE 184
(NORTH SIDE)



CURB RAMP No. 74
MODIFIED CASE F
ROUTE 58 - PM R59.44
EB LOOP ON RAMP FROM ROUTE 184
(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

C-40

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:30
09-22-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	43	129

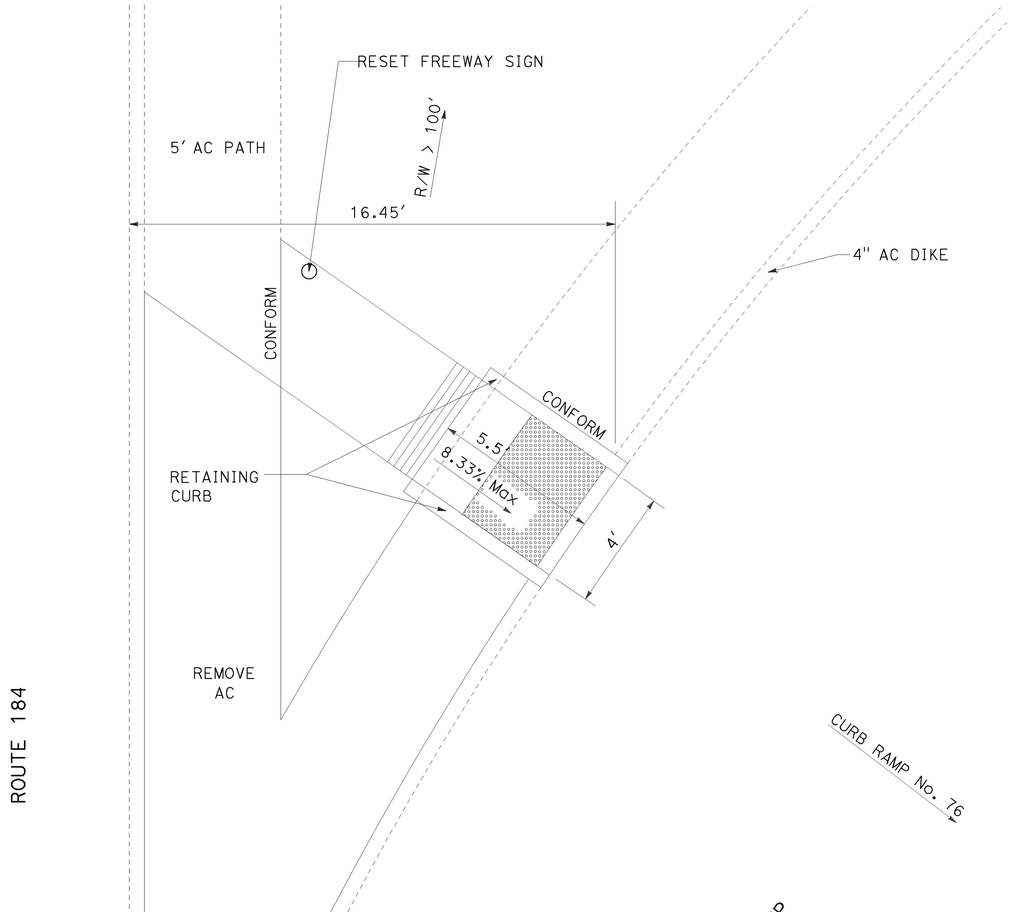
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

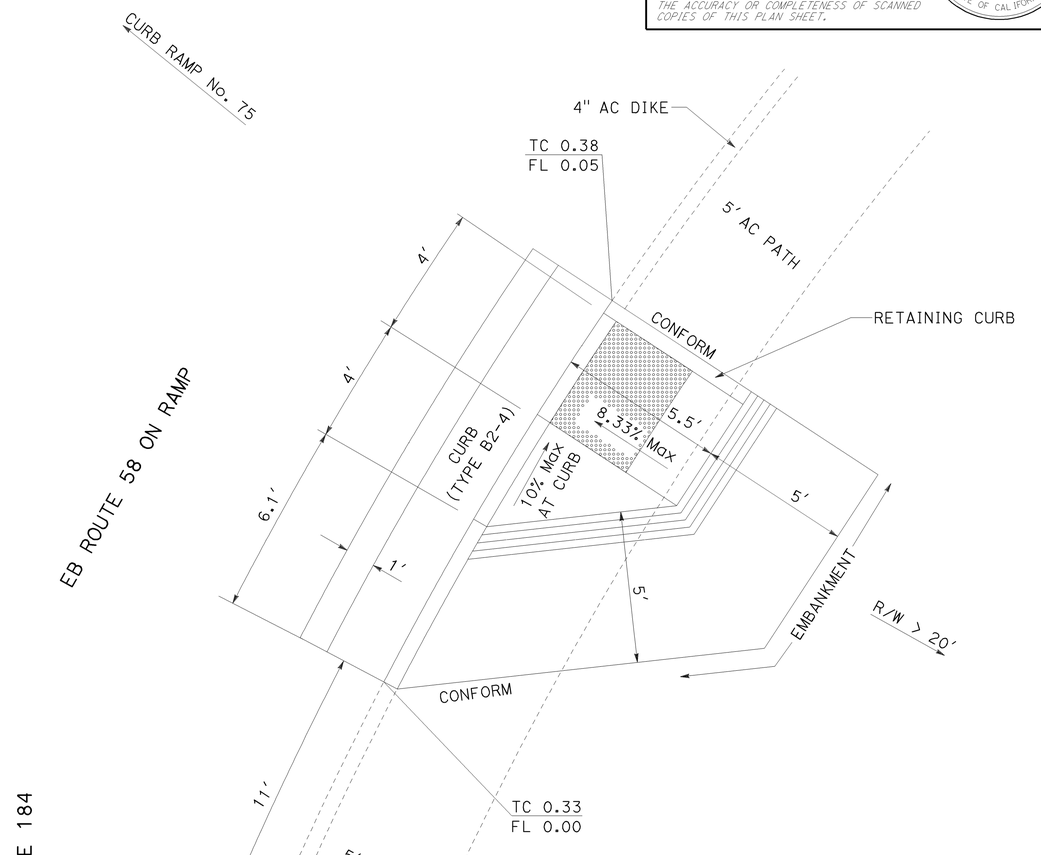
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 75
CASE F
ROUTE 58 - PM R59.44
EB ON RAMP FROM ROUTE 184
(NORTH SIDE)



CURB RAMP No. 76
CASE G
ROUTE 58 - PM R59.44
EB ON RAMP FROM ROUTE 184
(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

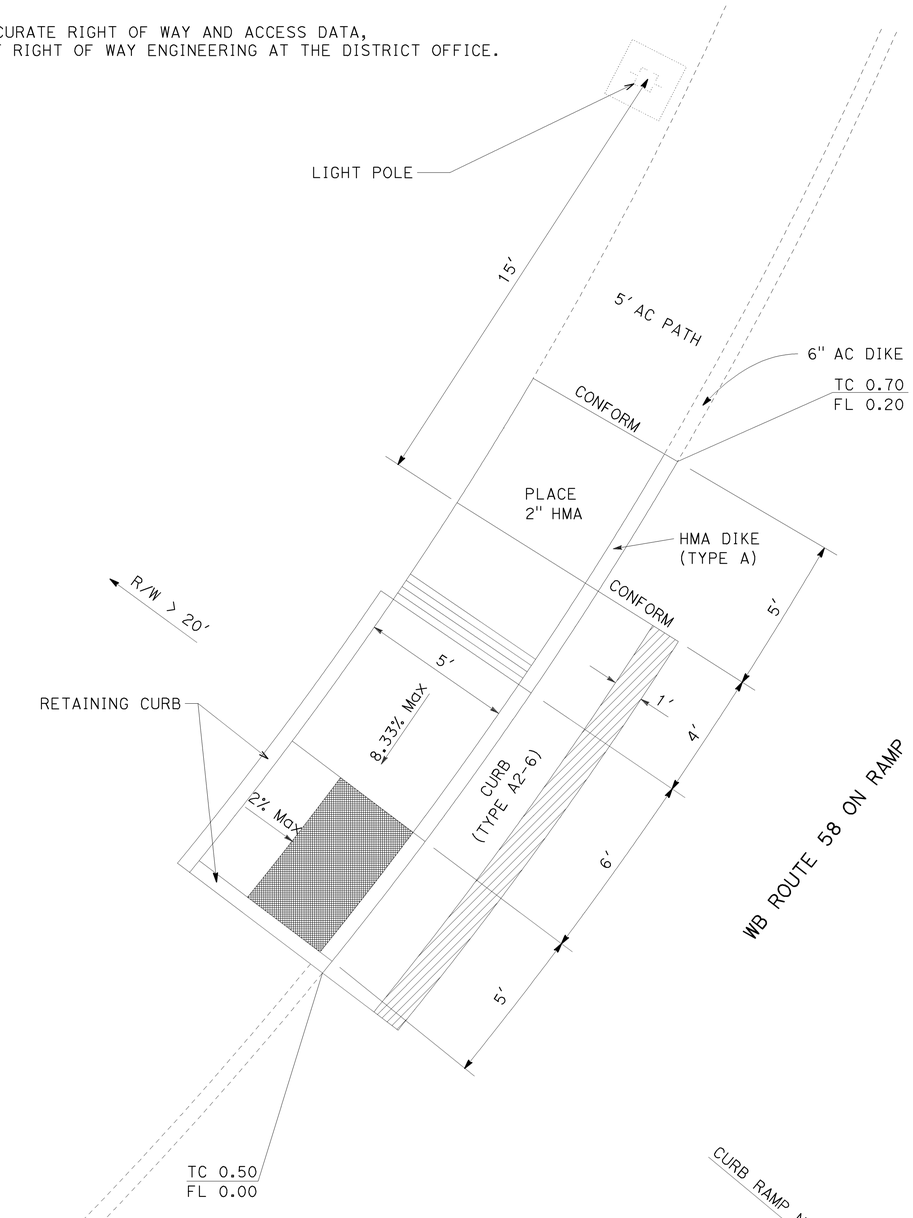
C-41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY / DATE REVISED

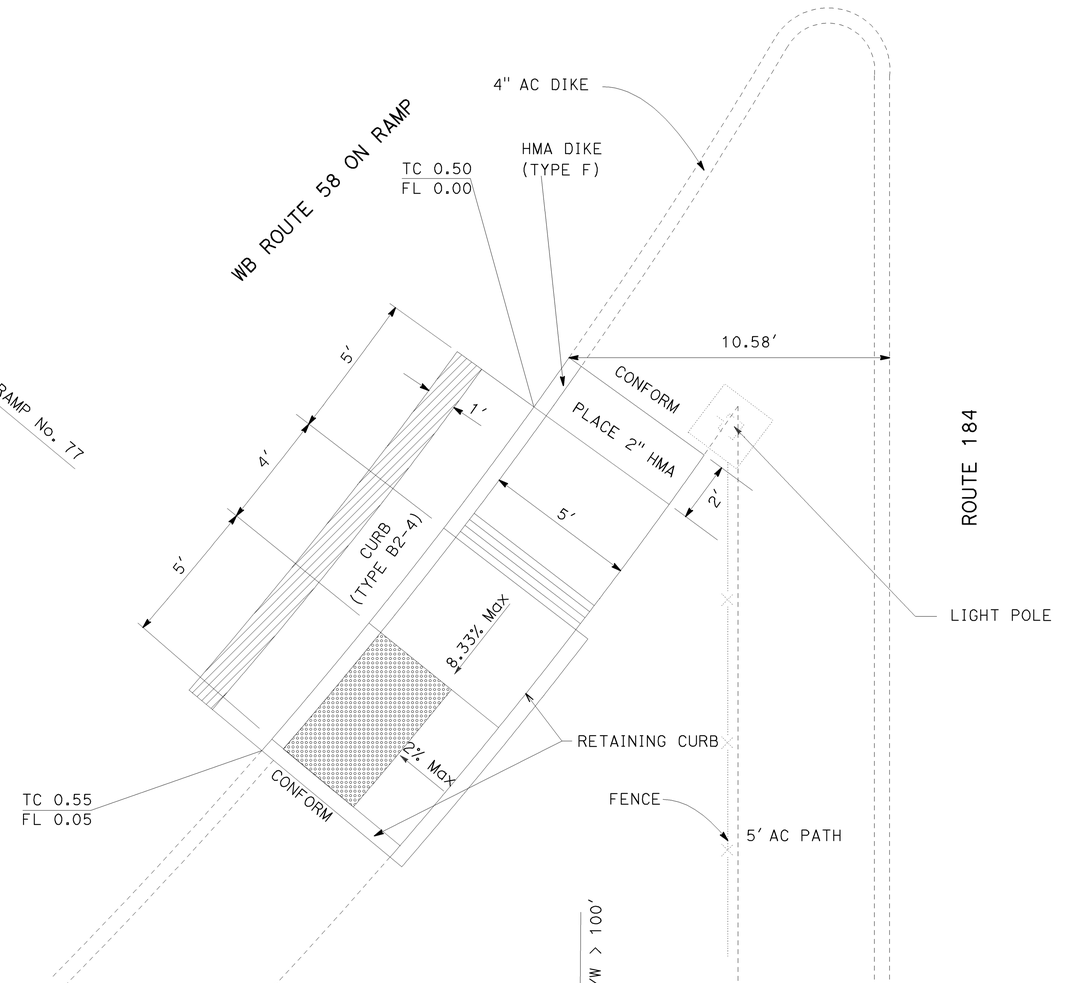
LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga041.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 77
MODIFIED CASE C
ROUTE 58 - PM R59.44
WB ON RAMP FROM ROUTE 184
(NORTH SIDE)



CURB RAMP No. 78
MODIFIED CASE C
ROUTE 58 - PM R59.44
WB ON RAMP FROM ROUTE 184
(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

C-42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	44	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

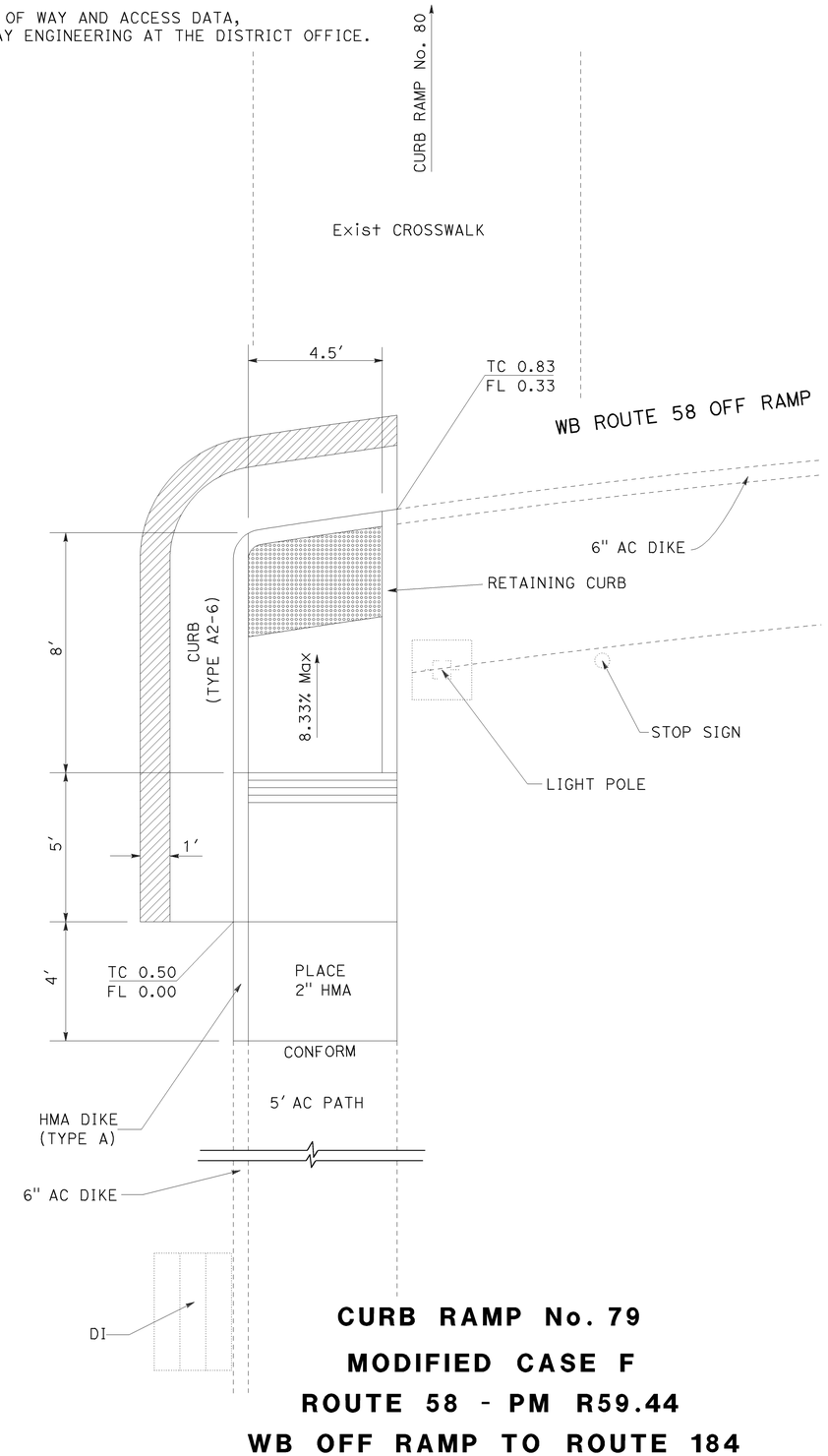
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

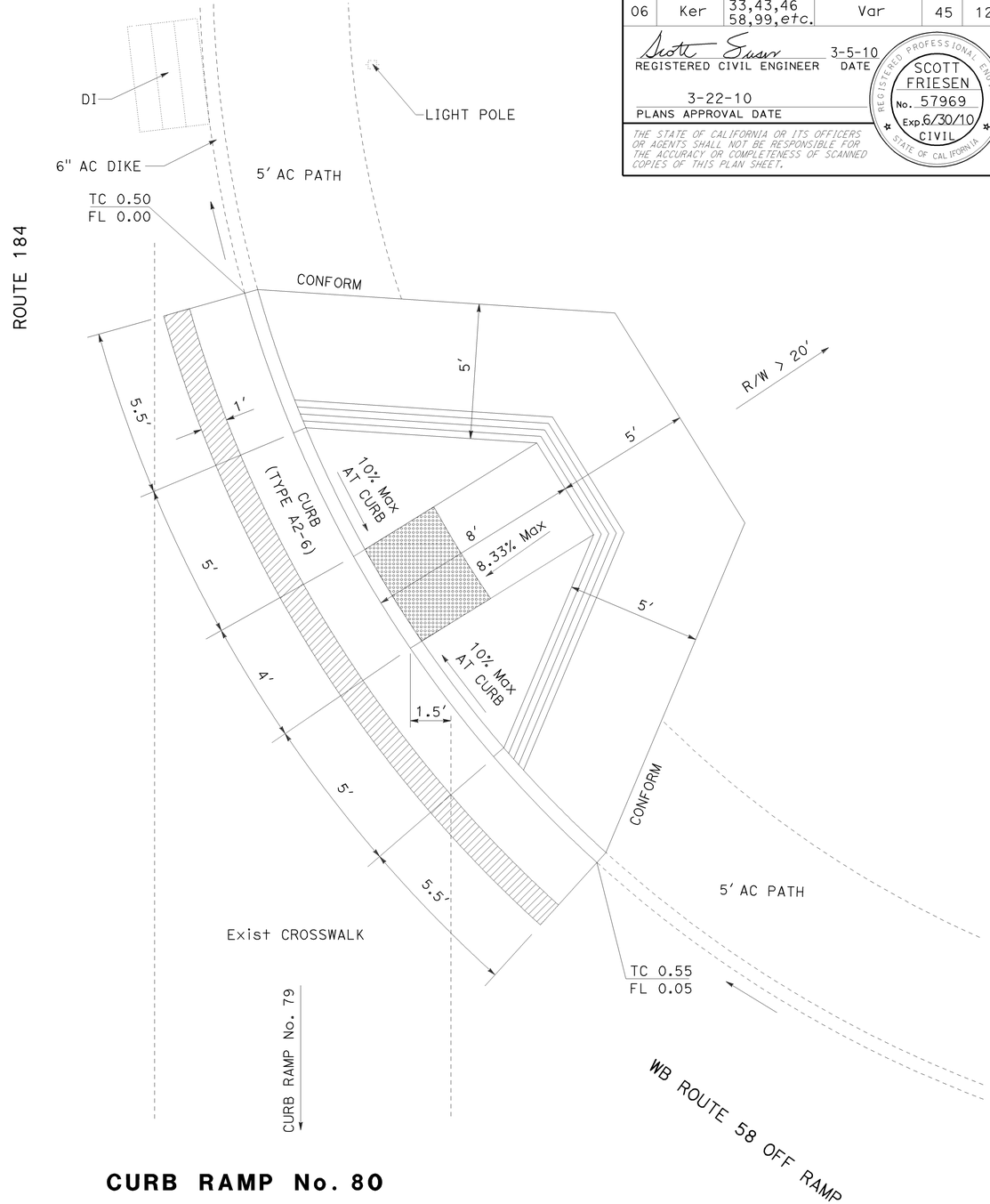
LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 18:30
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga042.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 79
MODIFIED CASE F
ROUTE 58 - PM R59.44
WB OFF RAMP TO ROUTE 184
(SOUTH SIDE)



CURB RAMP No. 80
CASE A
ROUTE 58 - PM R59.44
WB OFF RAMP TO ROUTE 184
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-43**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	45	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 8:30

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga043.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	46	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — STATE OF CALIFORNIA

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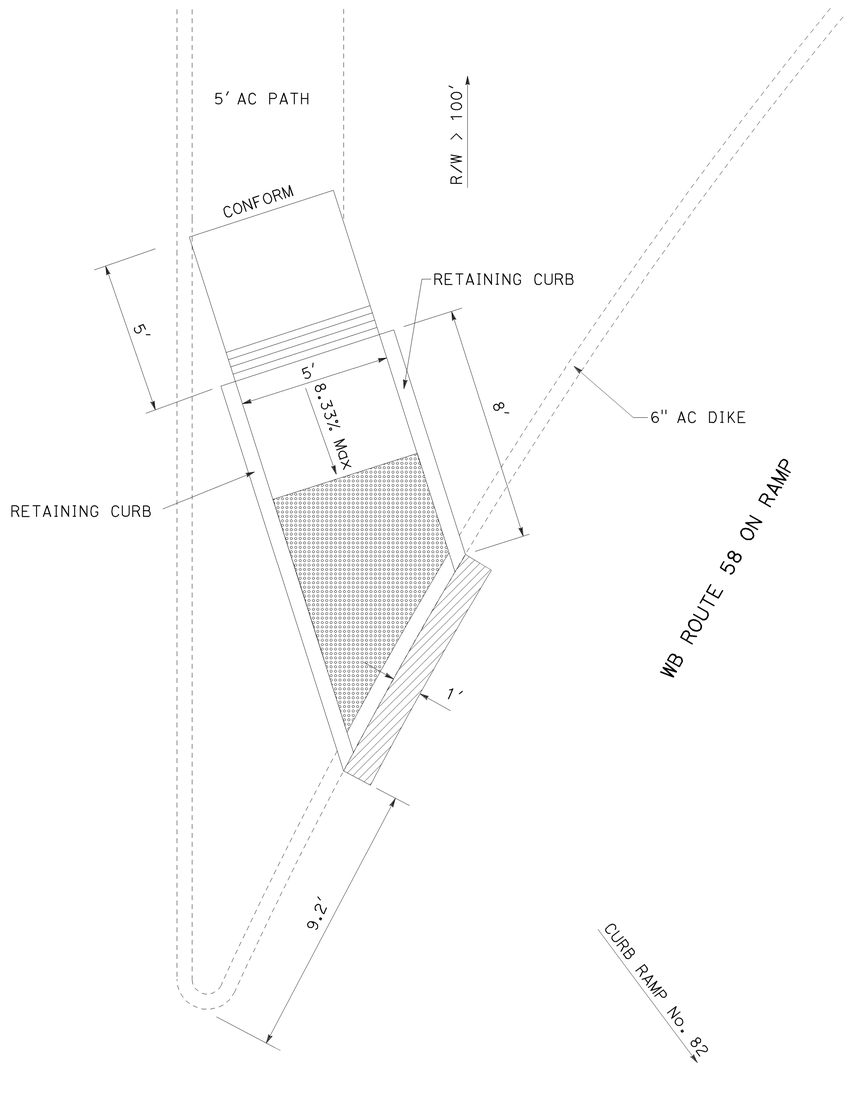
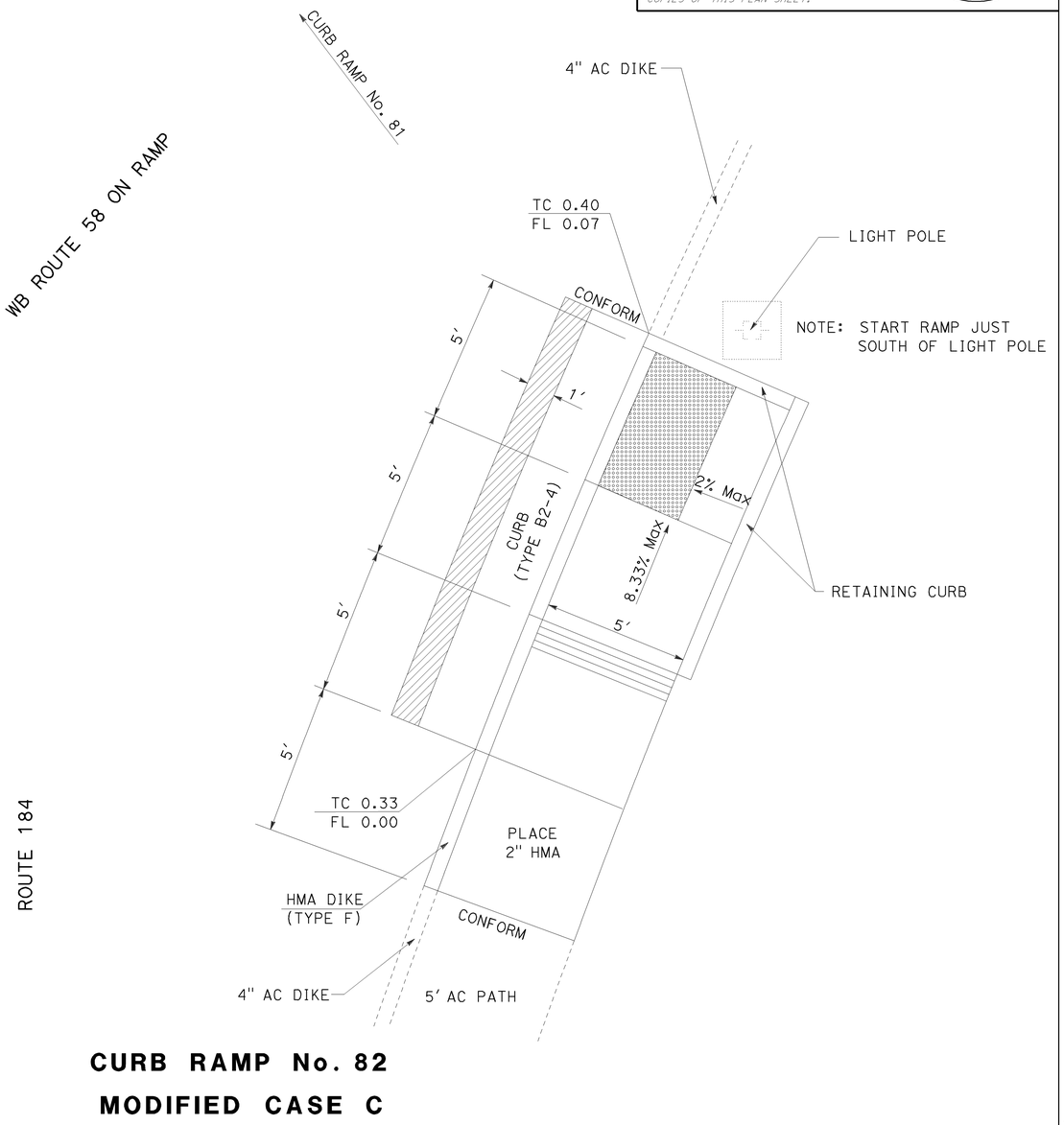
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 81
MODIFIED CASE F
ROUTE 58 - PM R59.44
WB LOOP ON RAMP TO ROUTE 184
(SOUTH SIDE)



CURB RAMP No. 82
MODIFIED CASE C
ROUTE 58 - PM R59.44
WB LOOP ON RAMP TO ROUTE 184
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE

C-44

CALCULATED-DESIGNED BY	TAREK CHOWDHURY	REVISED BY	
CHECKED BY	SCOTT M. FRIESEN	DATE REVISED	
FUNCTIONAL SUPERVISOR	MICHAEL K. LIM		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 8:30
09-22-09

BORDER LAST REVISED 4/11/2008

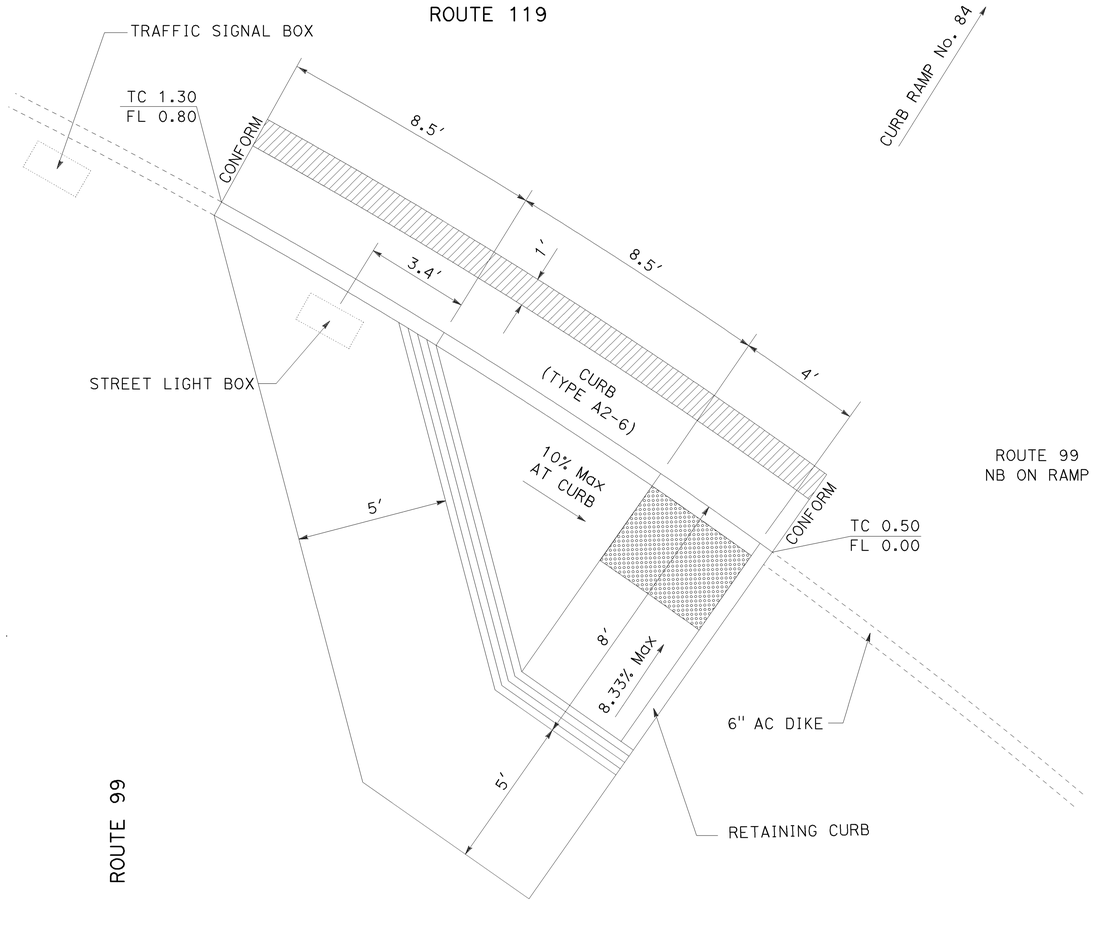
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

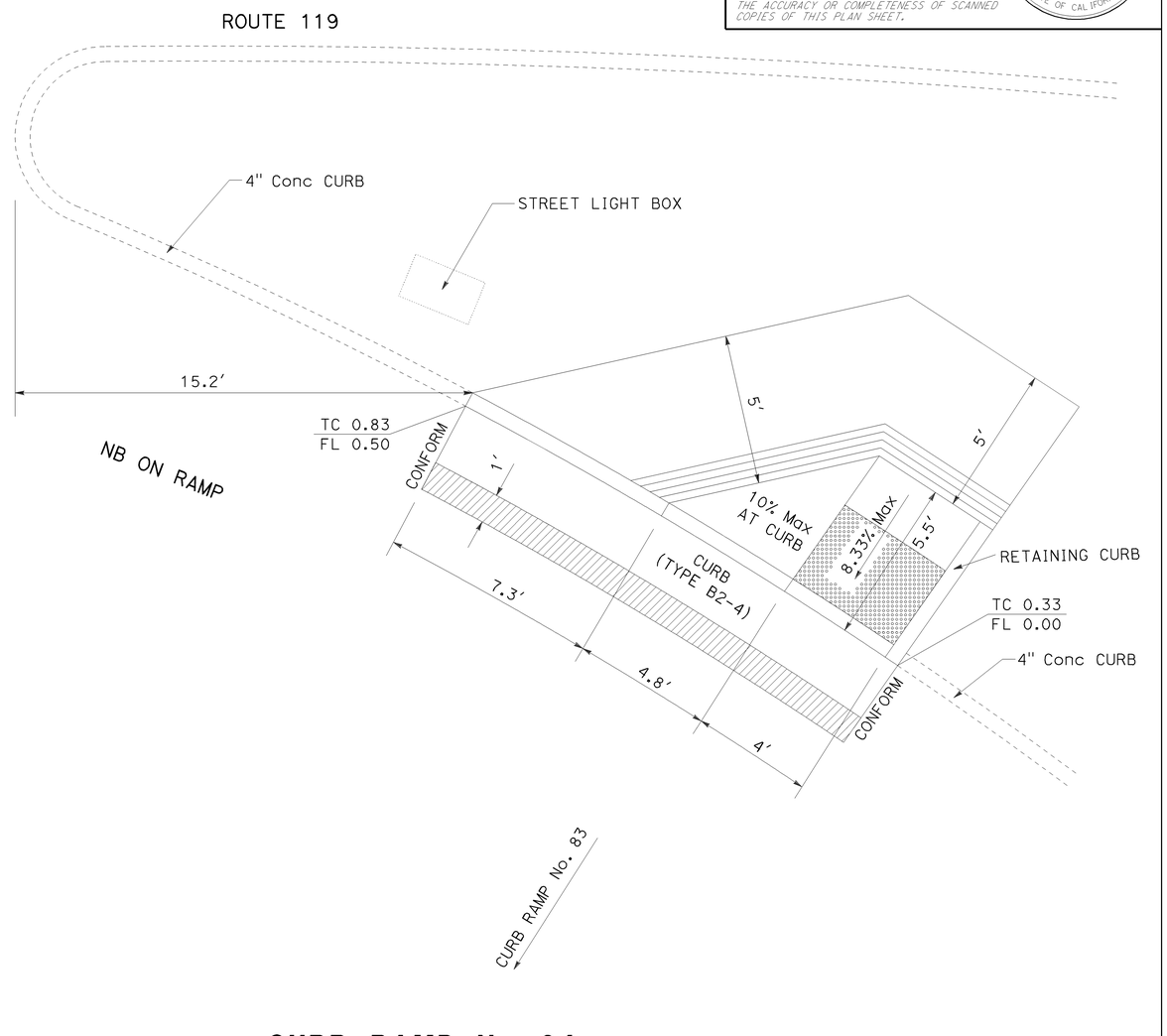
USERNAME => s115755
DGN FILE => 60G940ga044.dgn

CU 06252

EA 0G9401

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





CURB RAMP No. 83

CASE G

ROUTE 99 - PM 17.5

NB ON RAMP FROM ROUTE 119

(SOUTH SIDE)

CURB RAMP No. 84

CASE G

ROUTE 99 - PM 17.5

NB ON RAMP FROM ROUTE 119

(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-45**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	47	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 8:30

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga045.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	48	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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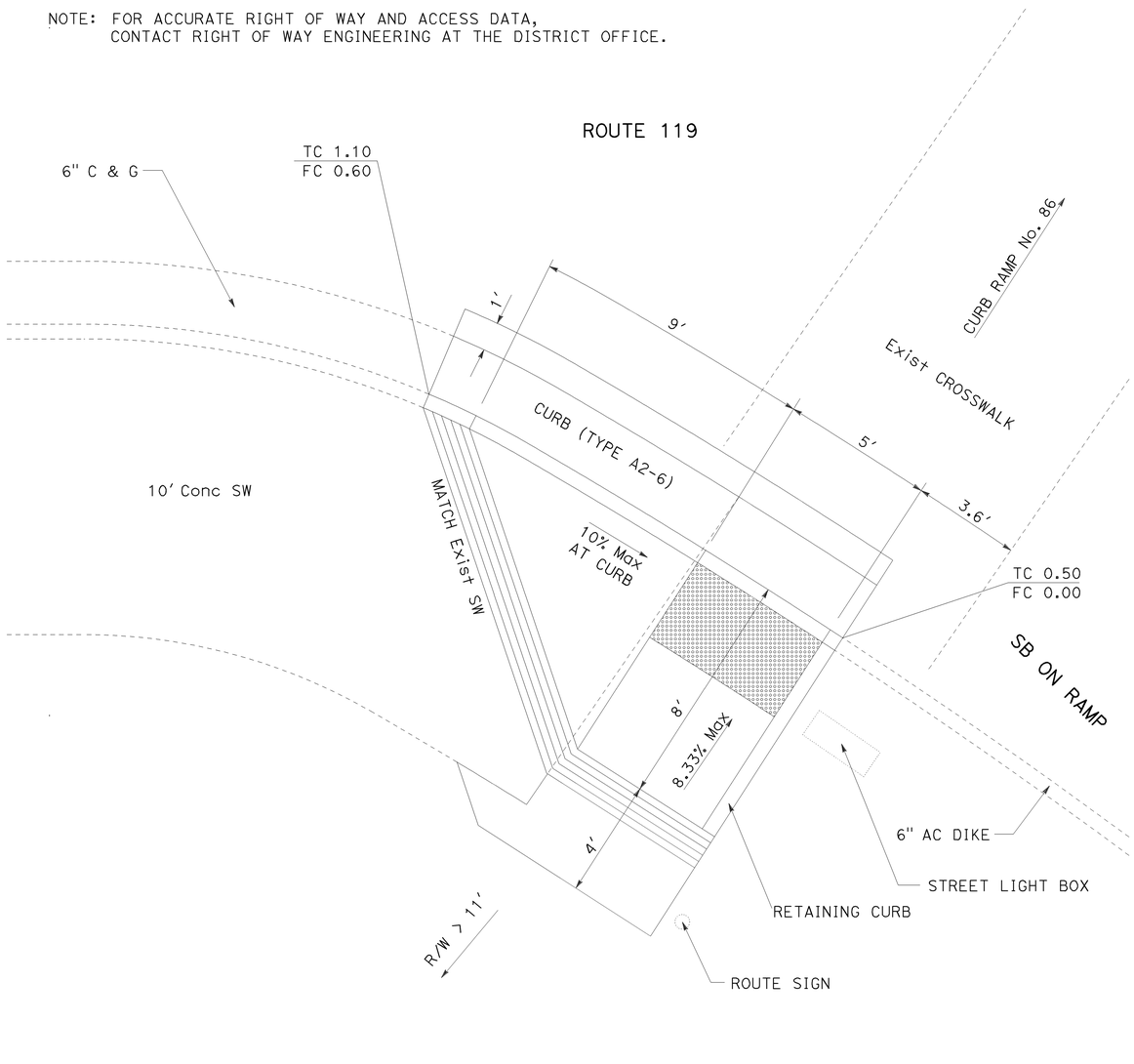
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



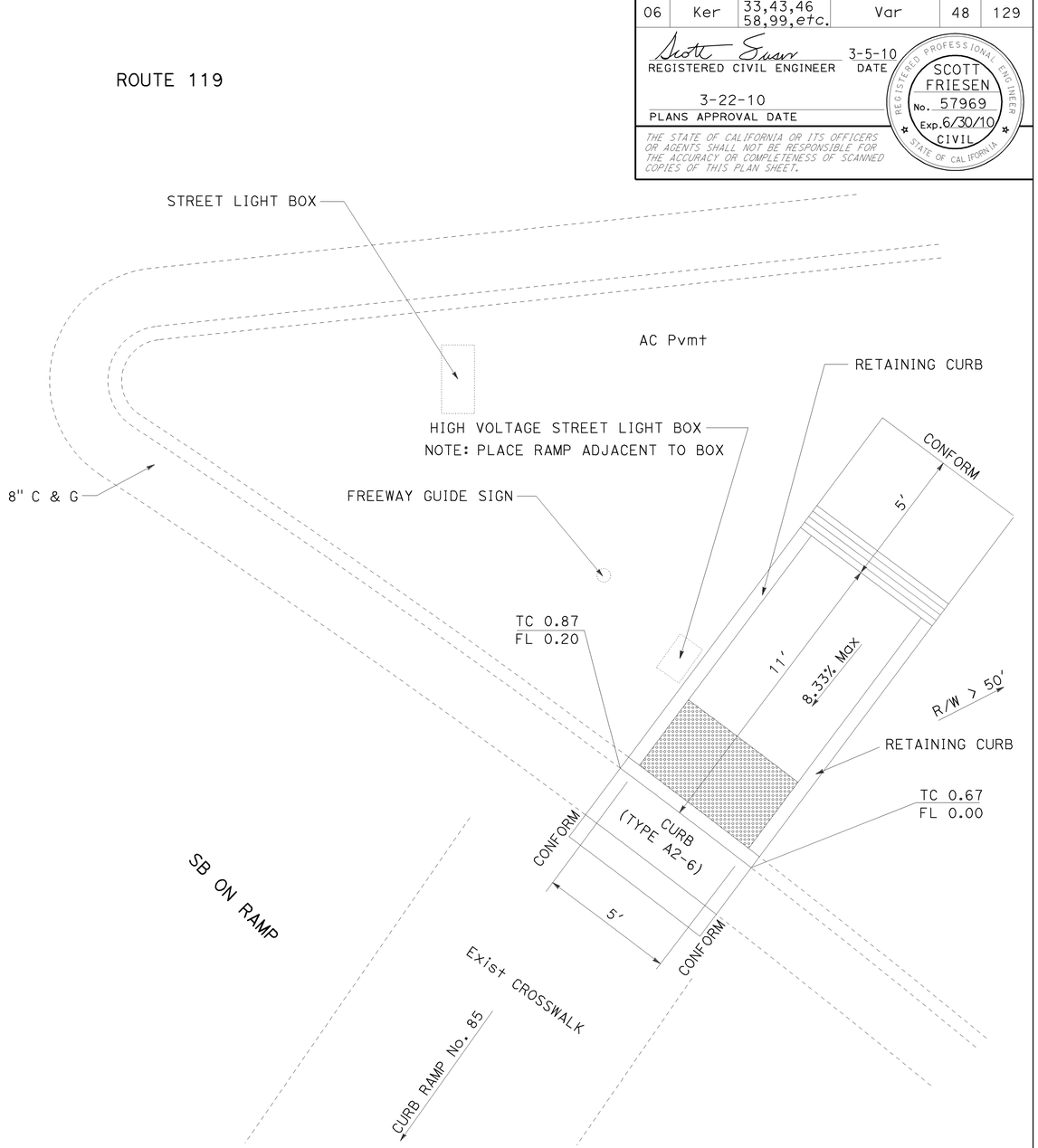
CURB RAMP No. 85

CASE G

ROUTE 99 - PM 17.5

SB ON RAMP FROM ROUTE 119

(SOUTH SIDE)



CURB RAMP No. 86

CASE F

ROUTE 99 - PM 17.5

SB ON RAMP FROM ROUTE 119

(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-46**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY / DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008

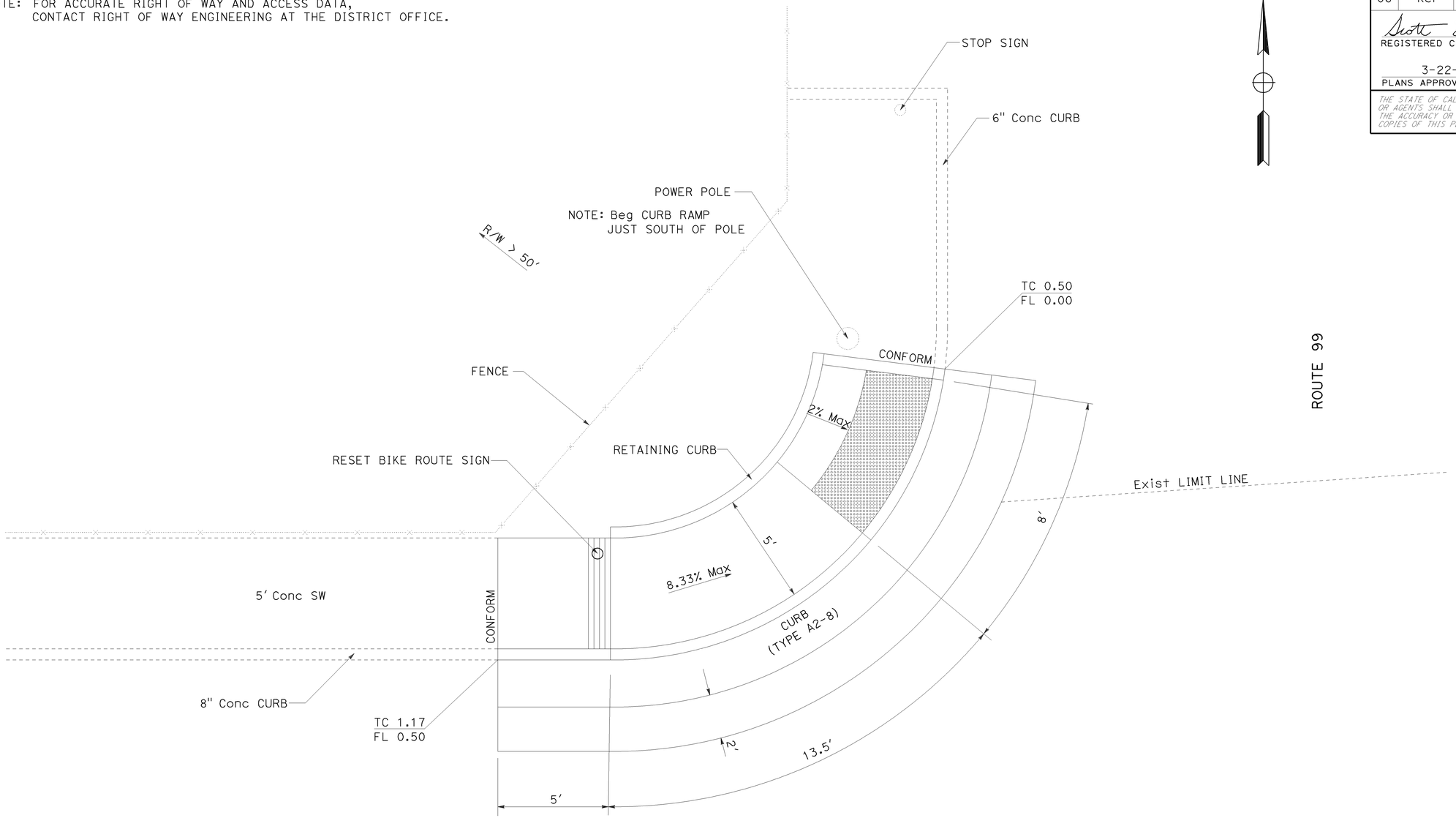
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga046.dgn

CU 06252

EA 0G9401

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



ROUTE 99

PLANZ ROAD OC

CURB RAMP No. 87

MODIFIED CASE C
ROUTE 99 - PM 21.6
PLANZ ROAD OC
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-47**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	49	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 18:30

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga047.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	50	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

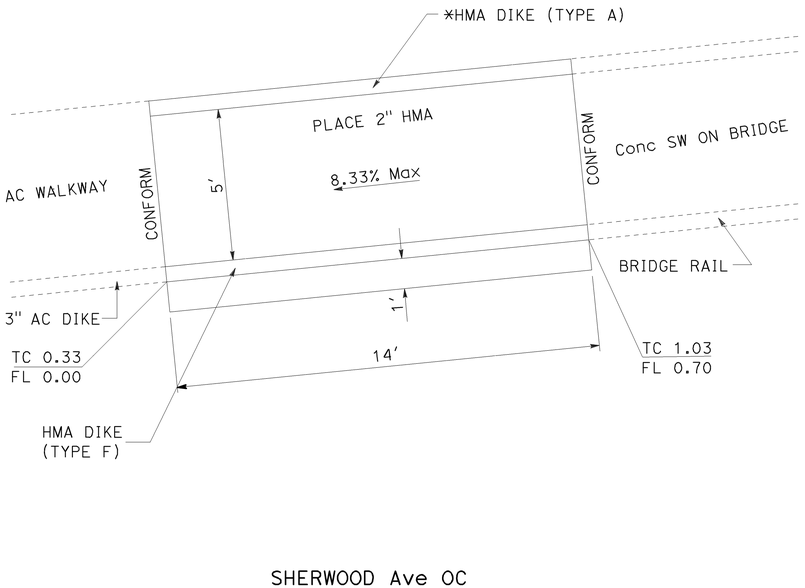
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

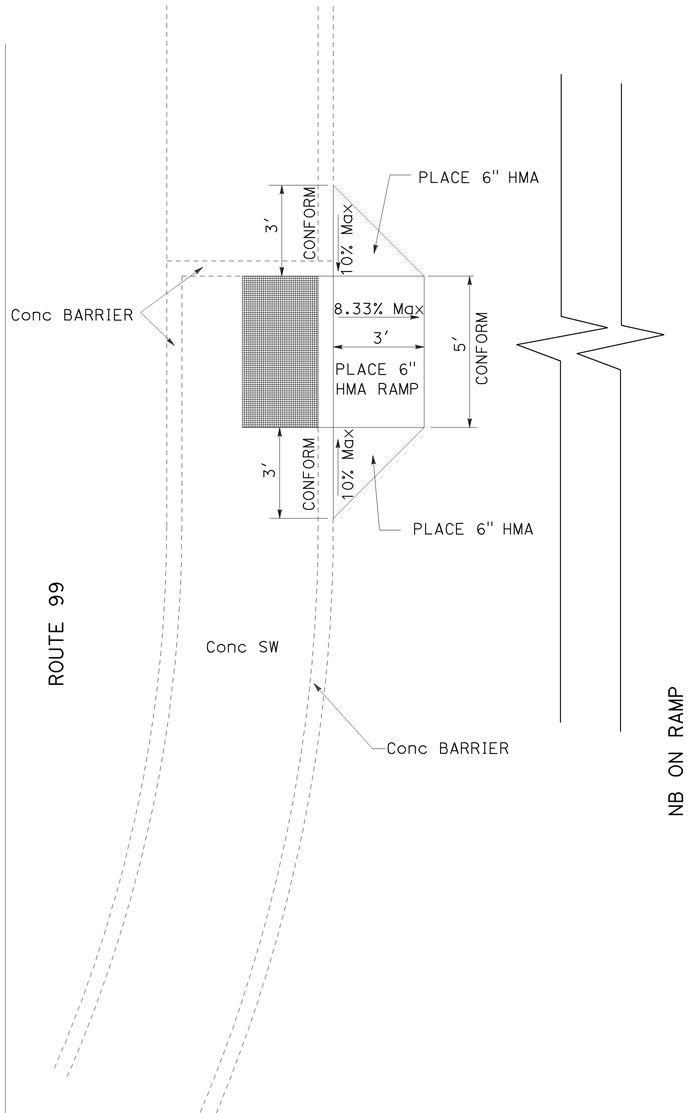
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

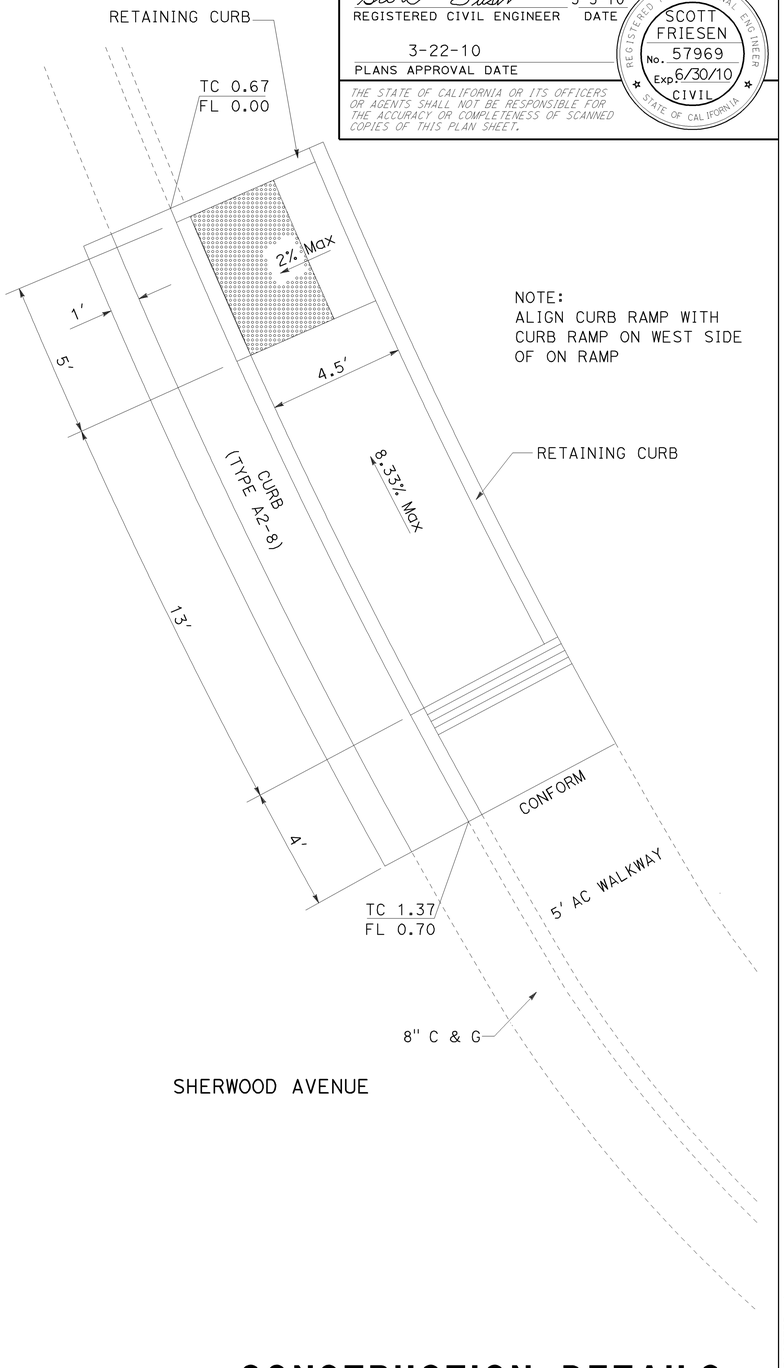
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

* USE FULL HEIGHT DIKE FOR ENTIRE LENGTH



SHERWOOD Ave OC
NW CORNER OF BRIDGE





NOTE:
ALIGN CURB RAMP WITH CURB RAMP ON WEST SIDE OF ON RAMP

SHERWOOD AVENUE

CURB RAMP No. 88

MODIFIED CASE C AND HMA RAMPS

ROUTE 99 - PM 49.3

SHERWOOD Ave OC

CONSTRUCTION DETAILS

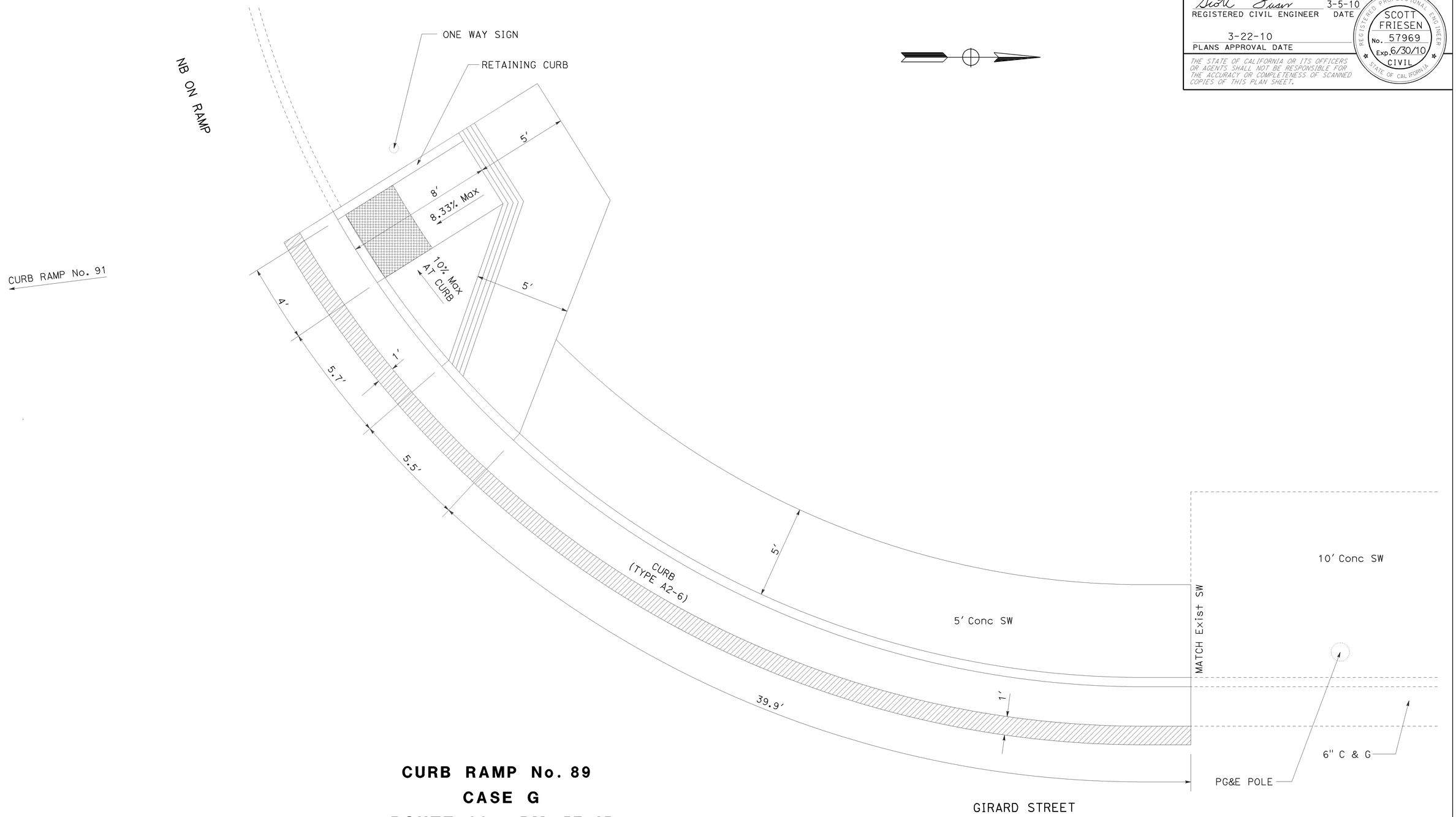
NO SCALE **C-48**

CALCULATED-DESIGNED BY
CHECKED BY
TAREK CHOWDHURY
SCOTT M. FRIESEN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:28
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga048.dgn
CU 06252
EA 0G9401

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



CURB RAMP No. 89
CASE G
ROUTE 99 - PM 57.45
NB ON FROM COUNTY LINE Rd
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-49**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	51	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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.

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY / DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 19:01

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 DGN FILE => 60G940ga049.dgn | CU 06252 | EA 0G9401

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

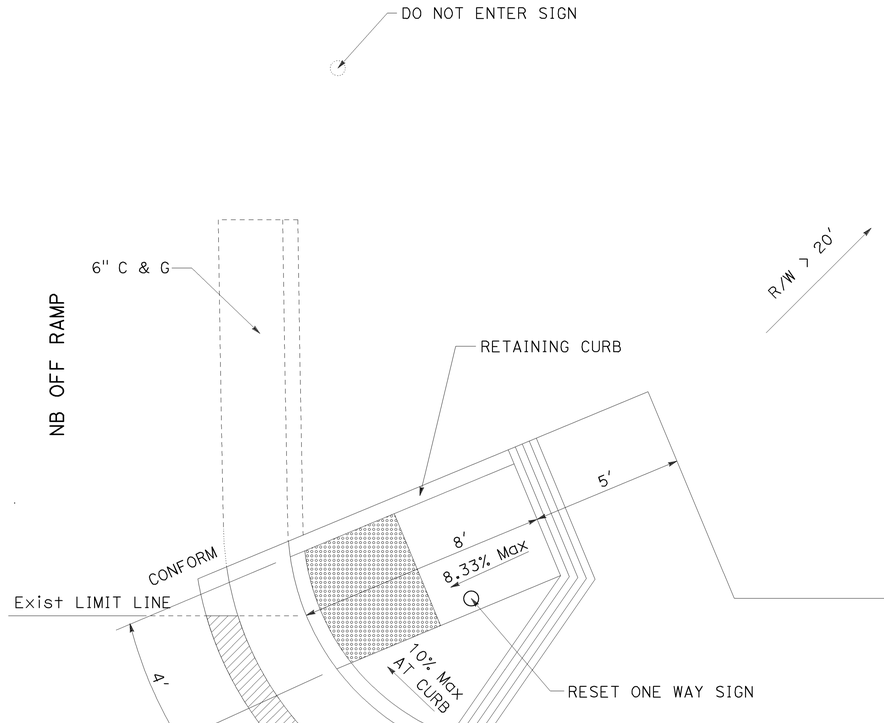
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	52	129

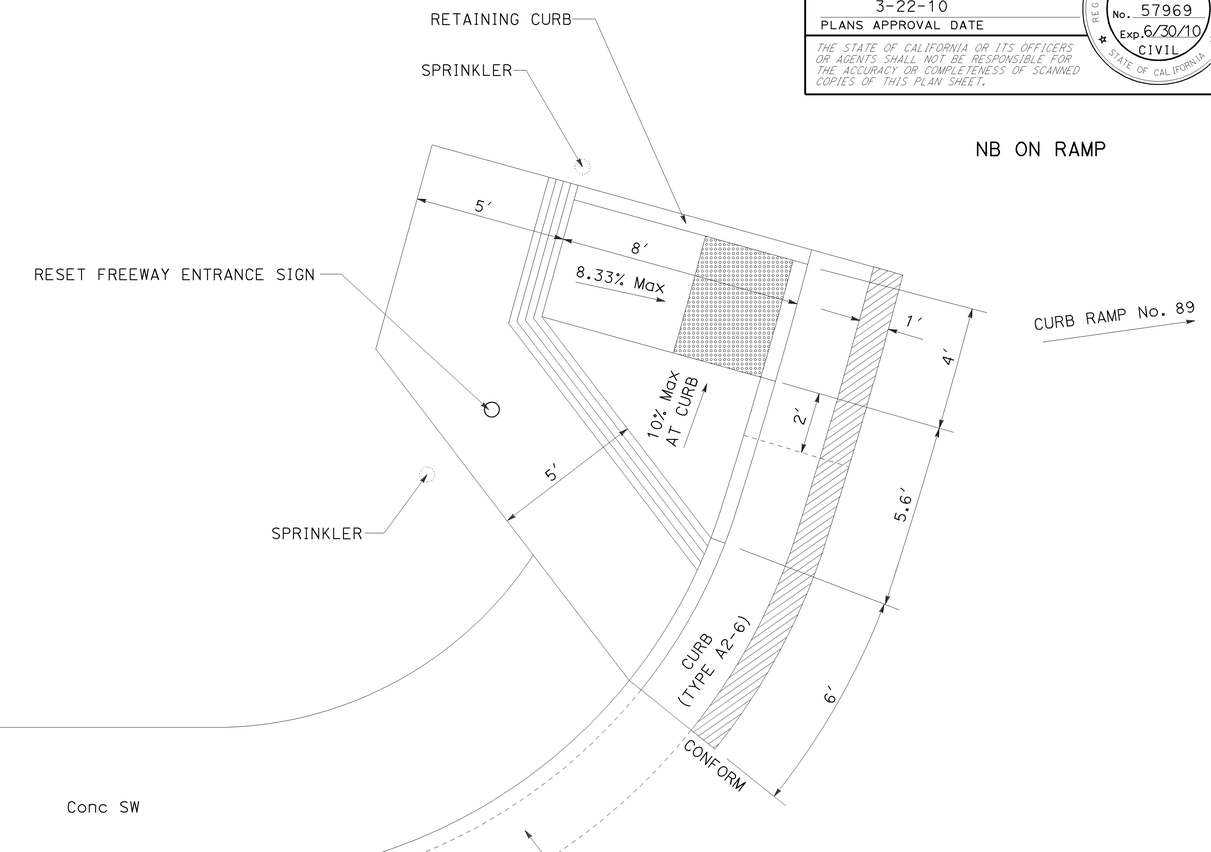
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.





CURB RAMP No. 90

CASE G

ROUTE 99 - PM 57.55

NB OFF RAMP TO COUNTY LINE Rd

(NORTH SIDE)

CURB RAMP No. 91

CASE G

ROUTE 99 - PM 57.55

NB ON RAMP FROM COUNTY LINE Rd

(SOUTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-50**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 9:01
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga050.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	53	129

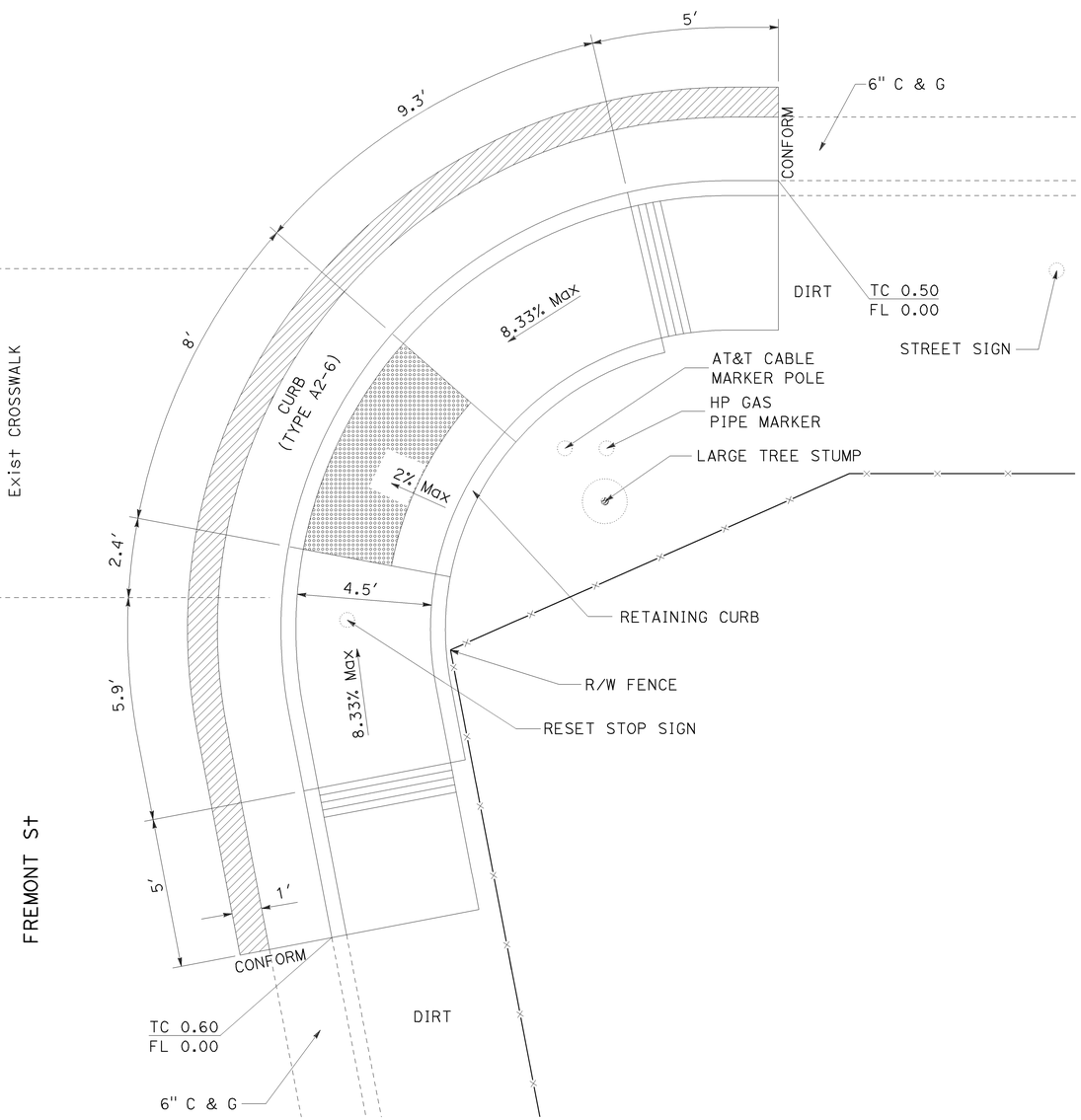
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.

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



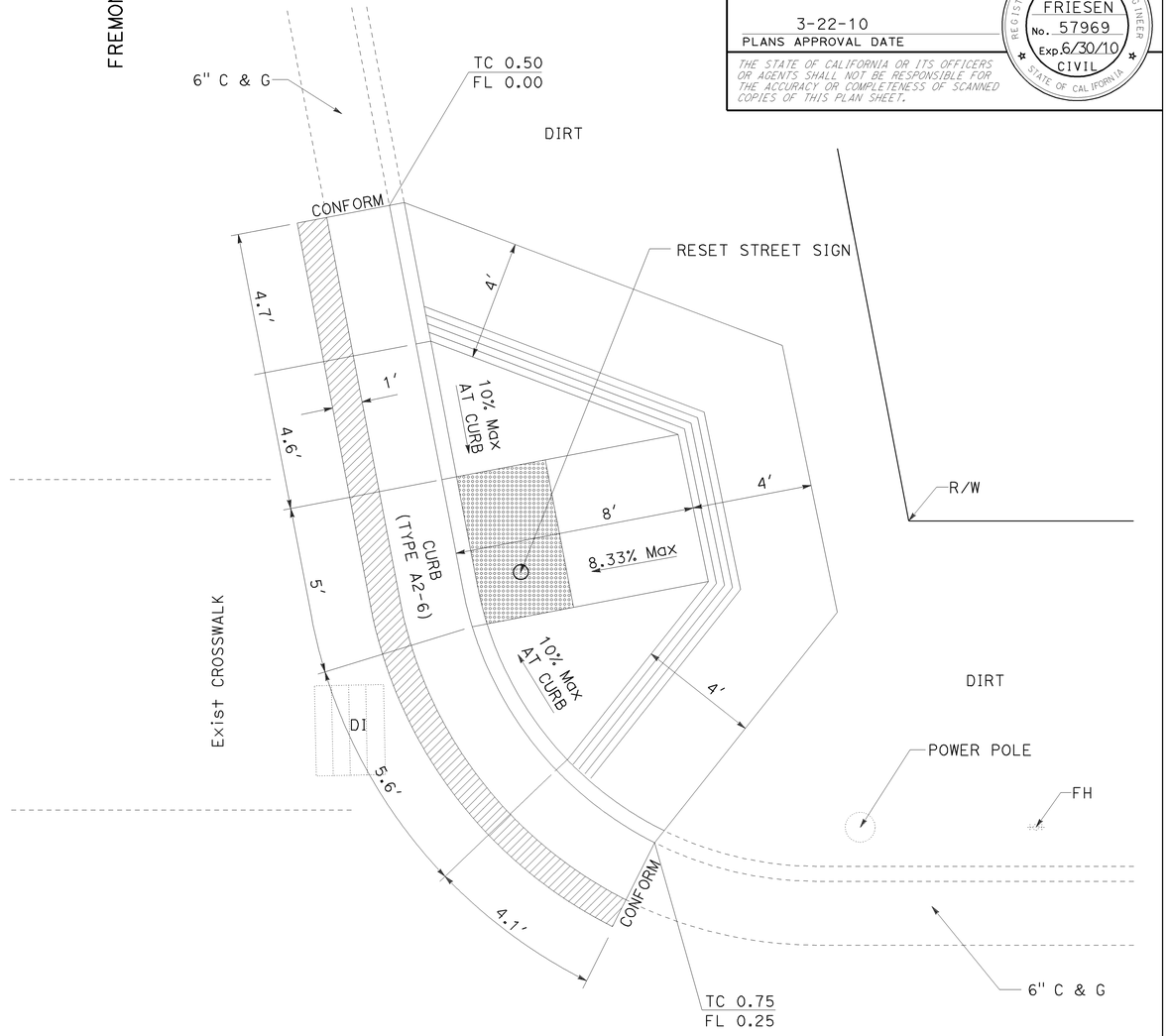
CURB RAMP No. 92

CASE C

ROUTE 155 - PM R0.04

FREMONT St

(SE CORNER)



ROUTE 155

CURB RAMP No. 93

CASE A

ROUTE 155 - PM R0.04

FREMONT St

(NE CORNER)

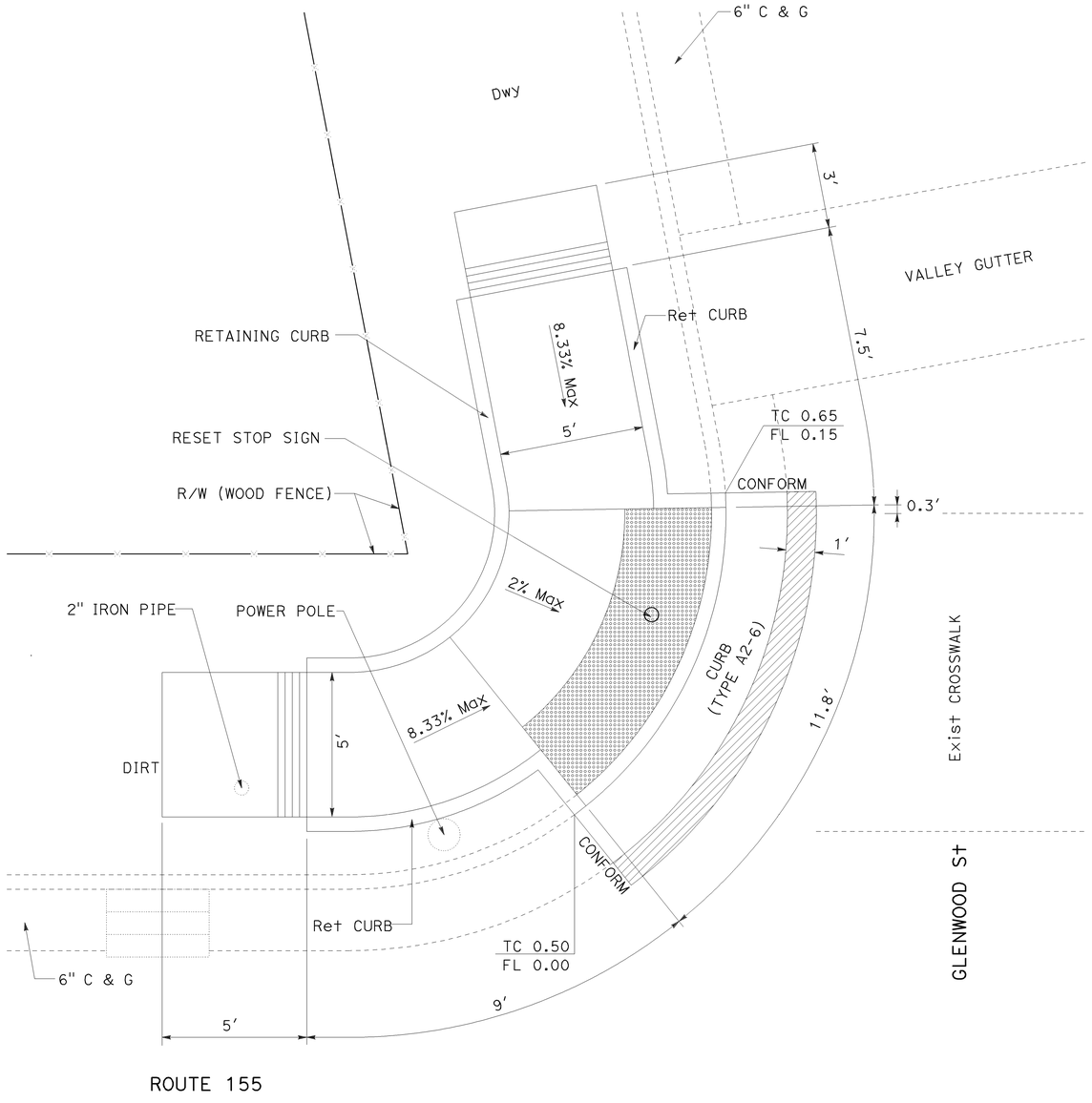
CONSTRUCTION DETAILS

NO SCALE **C-51**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY / DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 19:01

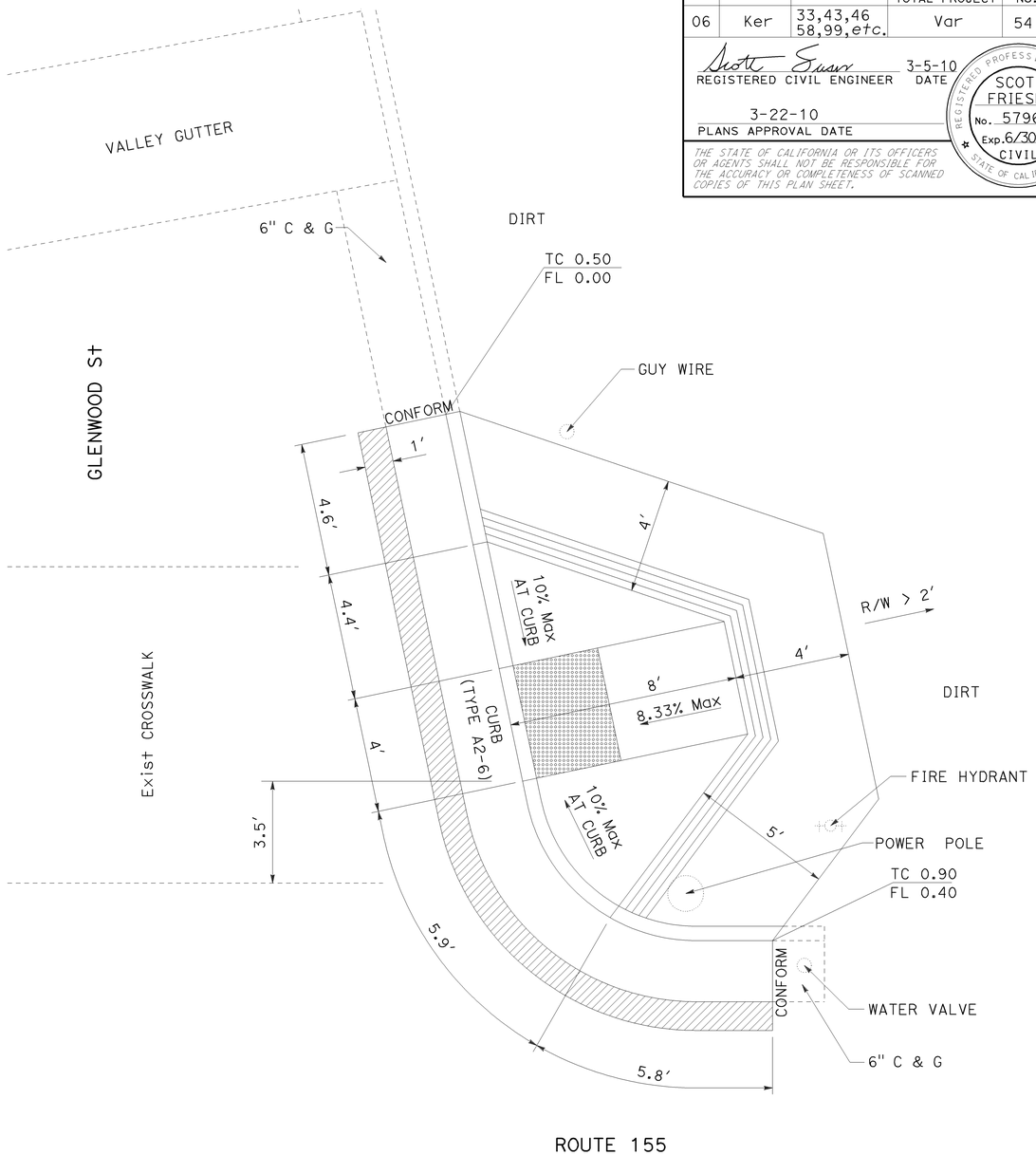
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



ROUTE 155

CURB RAMP No. 94

MODIFIED CASE C
ROUTE 155 - PM R0.12
GLENWOOD St
(NW CORNER)



ROUTE 155

CURB RAMP No. 95

CASE A
ROUTE 155 - PM R0.12
GLENWOOD St
(NE CORNER)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	54	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp.6/30/10
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.

CONSTRUCTION DETAILS

NO SCALE **C-52**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:01

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga052.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	55	129

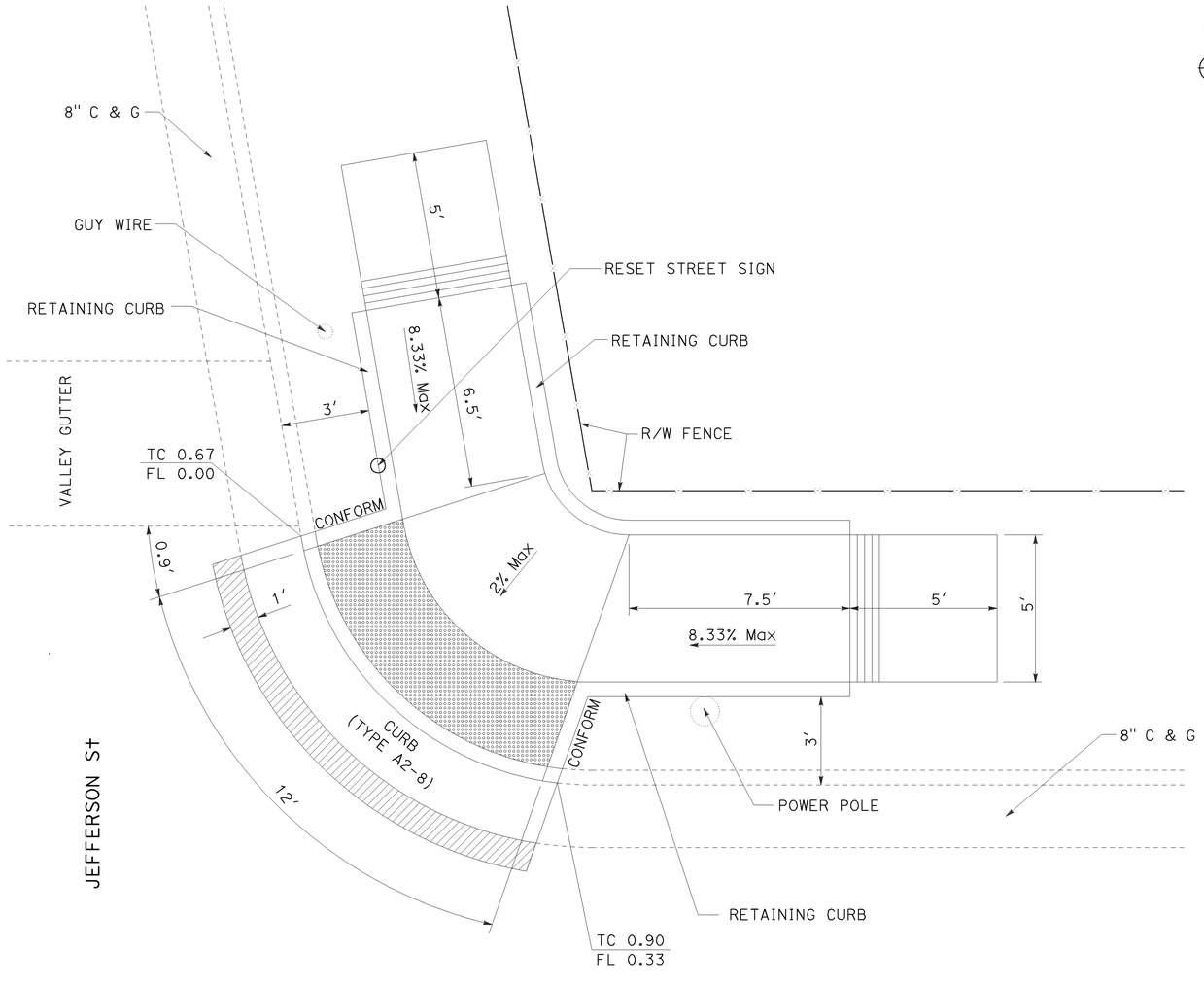
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN — No. 57969 — Exp. 6/30/10 — 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.

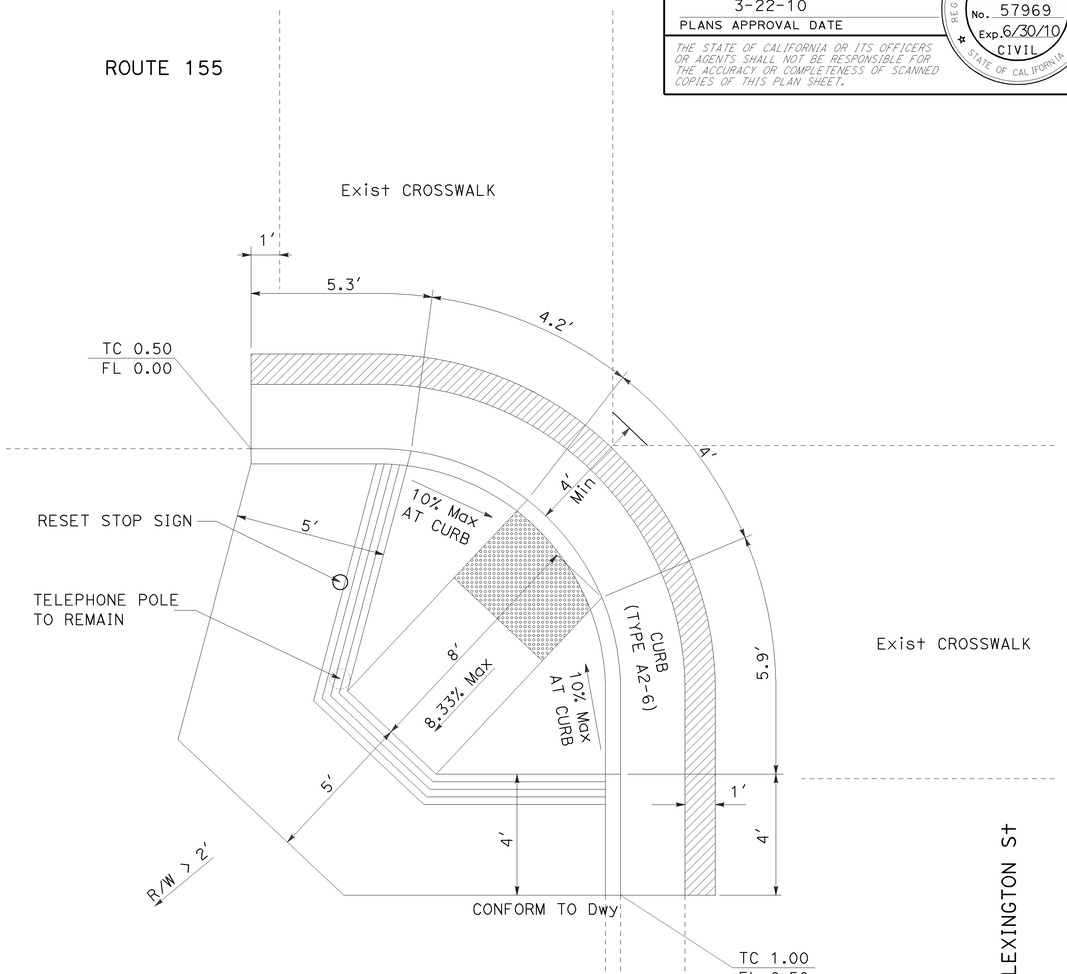
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



ROUTE 155

CURB RAMP No. 96
MODIFIED CASE C
ROUTE 155 - PM R0.37
JEFFERSON St
(NE CORNER)

ROUTE 155



CURB RAMP No. 97
CASE A
ROUTE 155 - PM R0.47
LEXINGTON St
(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-53**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY

TAREK CHOWDHURY
SCOTT M. FRIESEN

FUNCTIONAL SUPERVISOR
MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:10

BORDER LAST REVISED 4/11/2008

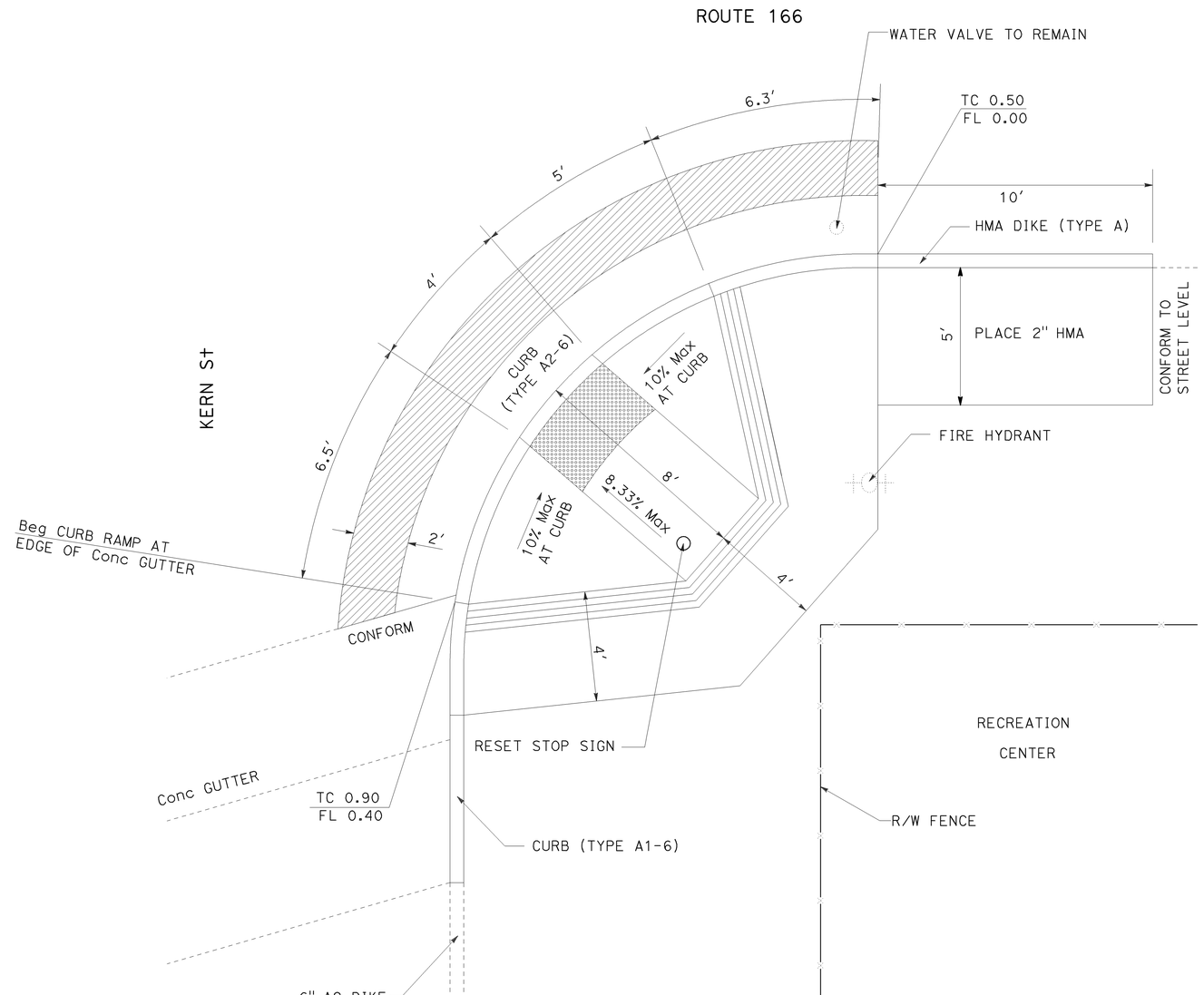
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga053.dgn

CU 06252

EA 0G9401

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	56	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

CURB RAMP No. 98
CASE A
ROUTE 166 - PM 0.09
KERN STREET
(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-54**

REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga054.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	57	129

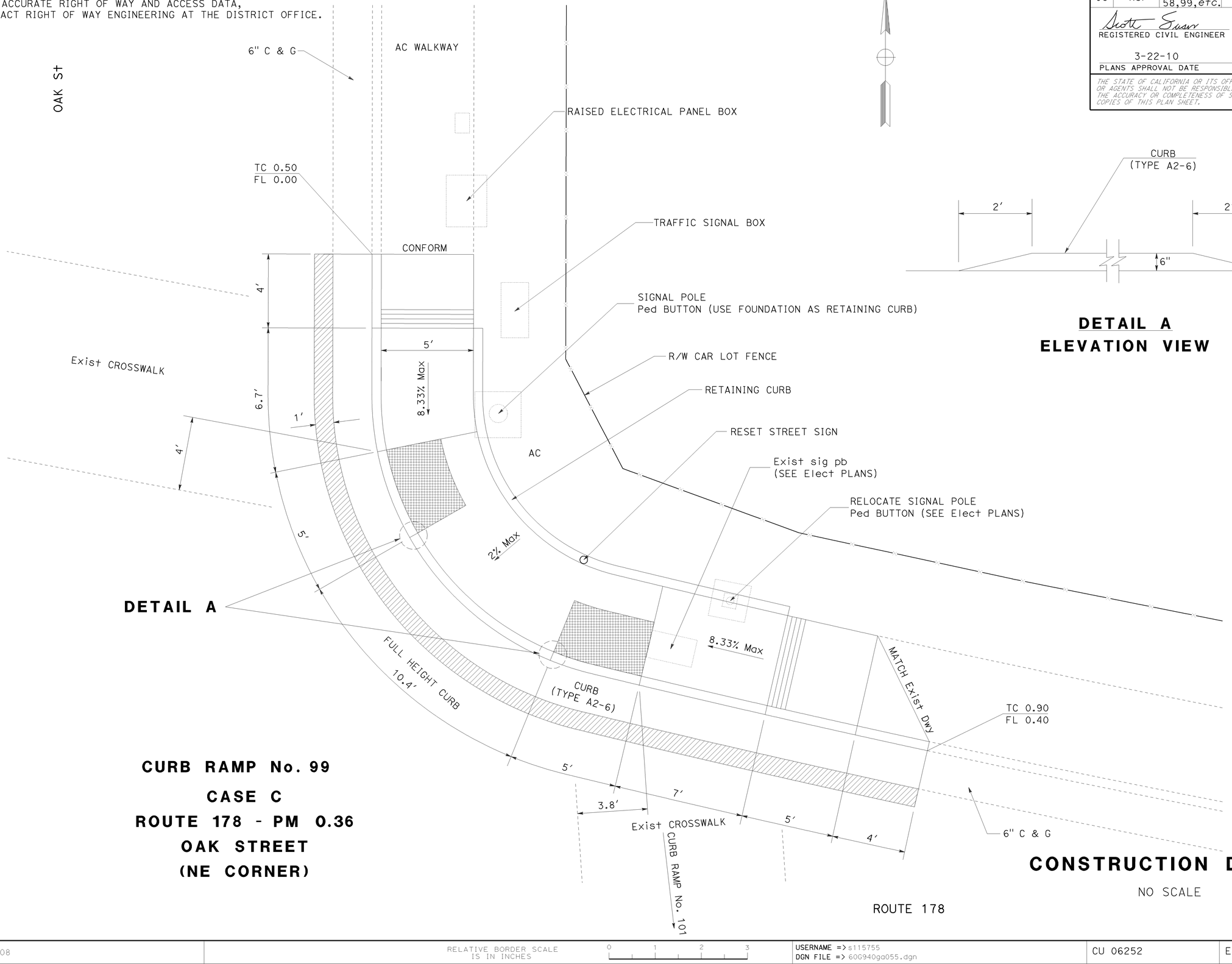
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

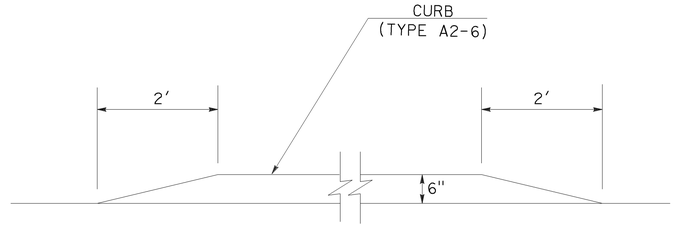
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.





DETAIL A
ELEVATION VIEW

DETAIL A

CURB RAMP No. 99
CASE C
ROUTE 178 - PM 0.36
OAK STREET
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-55**

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:01

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY | DATE REVISED

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga055.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,*etc.*	Var	58	129

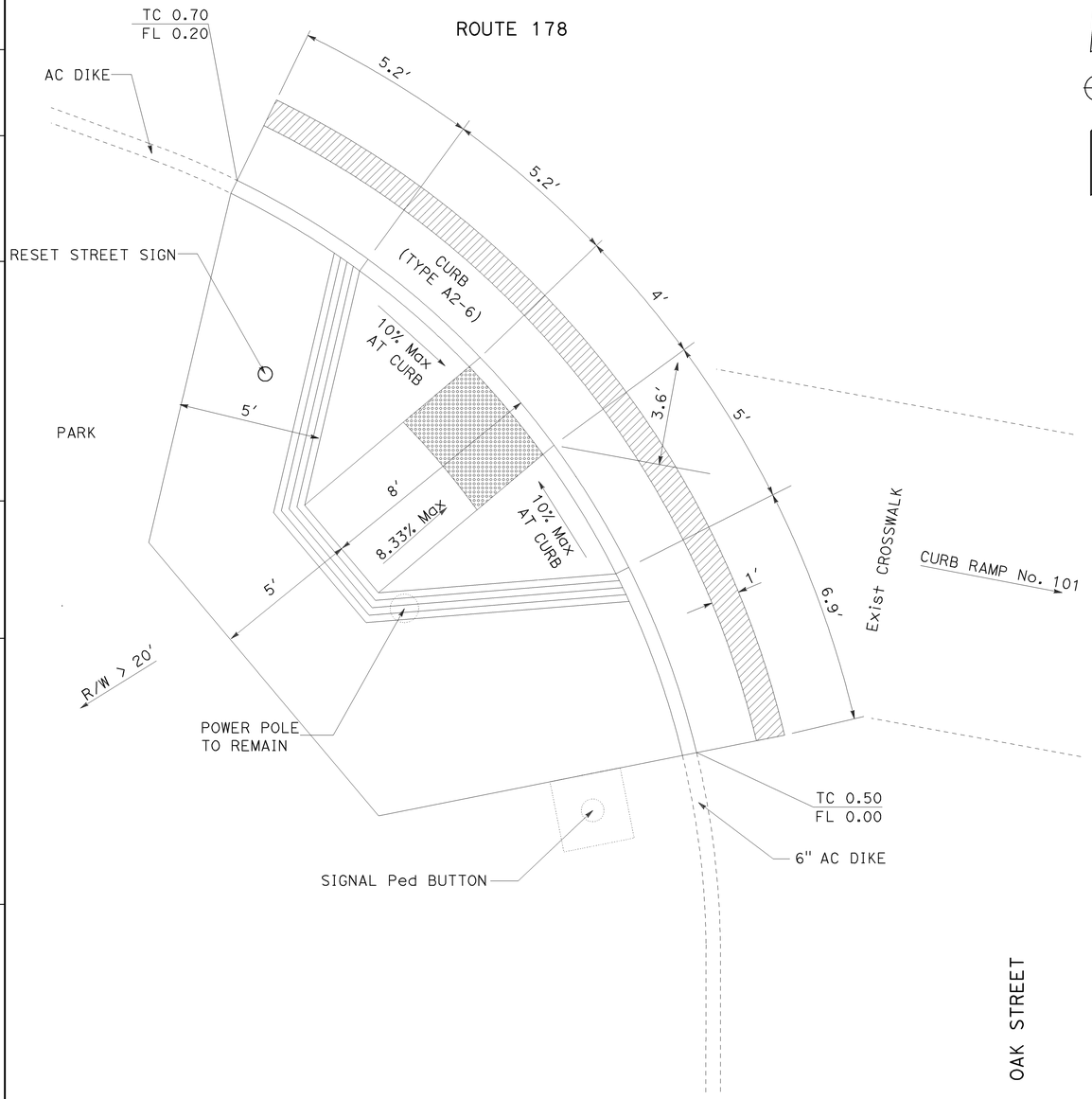
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



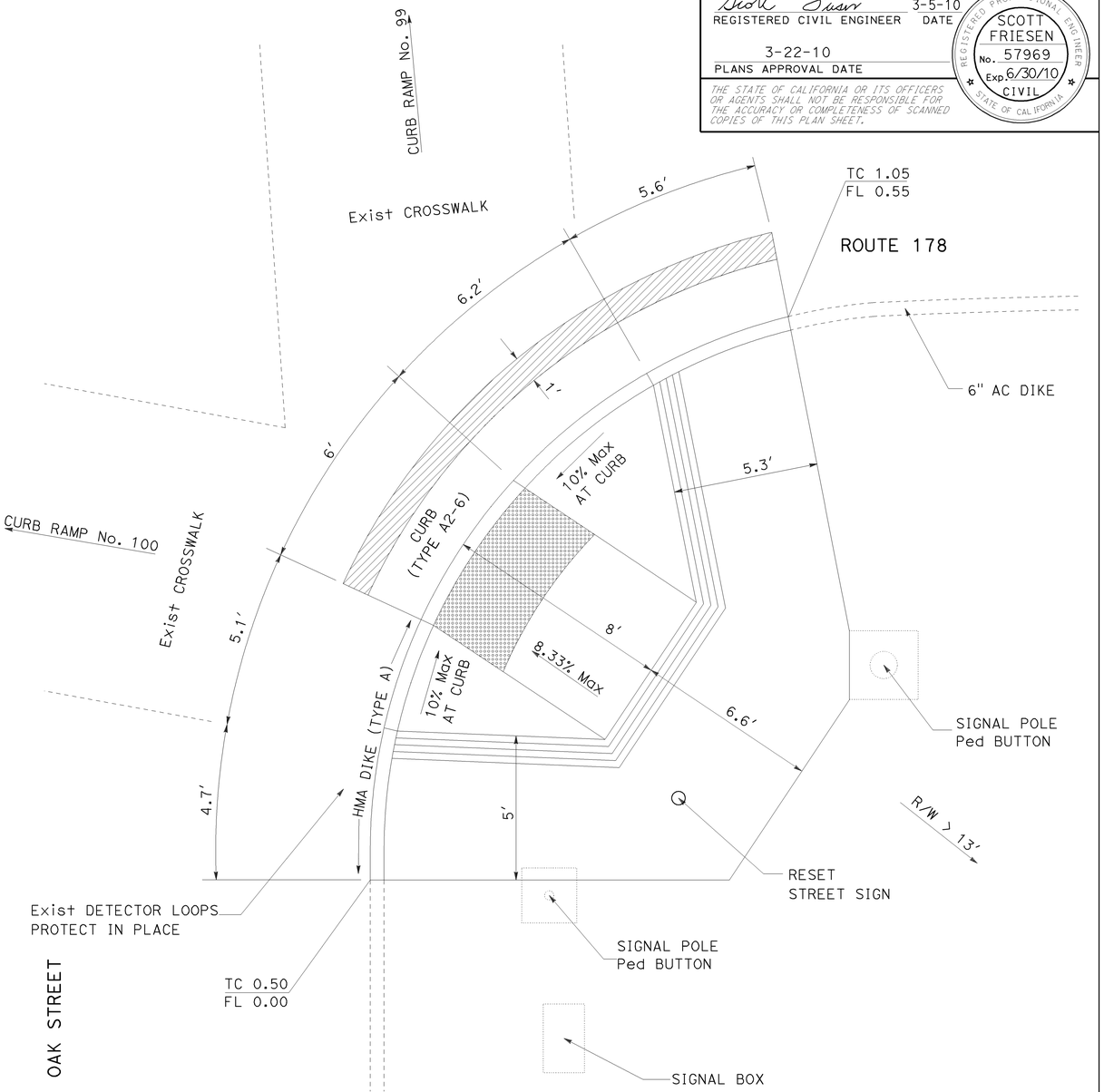
CURB RAMP No. 100

CASE A

ROUTE 178 - PM 0.36

OAK STREET

(SW CORNER)



CURB RAMP No. 101

CASE A

ROUTE 178 - PM 0.36

OAK STREET

(SE CORNER)

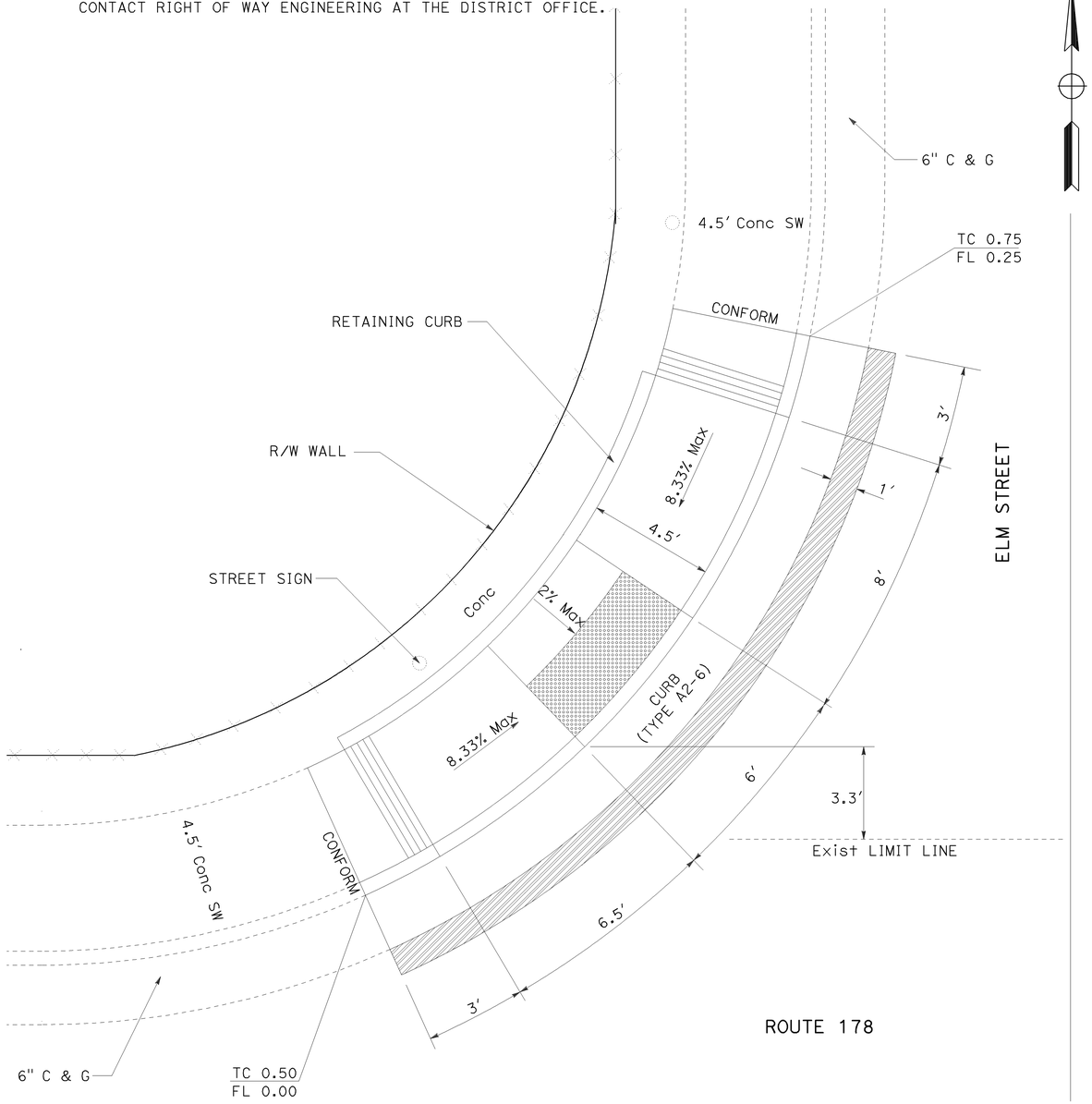
CONSTRUCTION DETAILS

NO SCALE **C-56**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:01

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



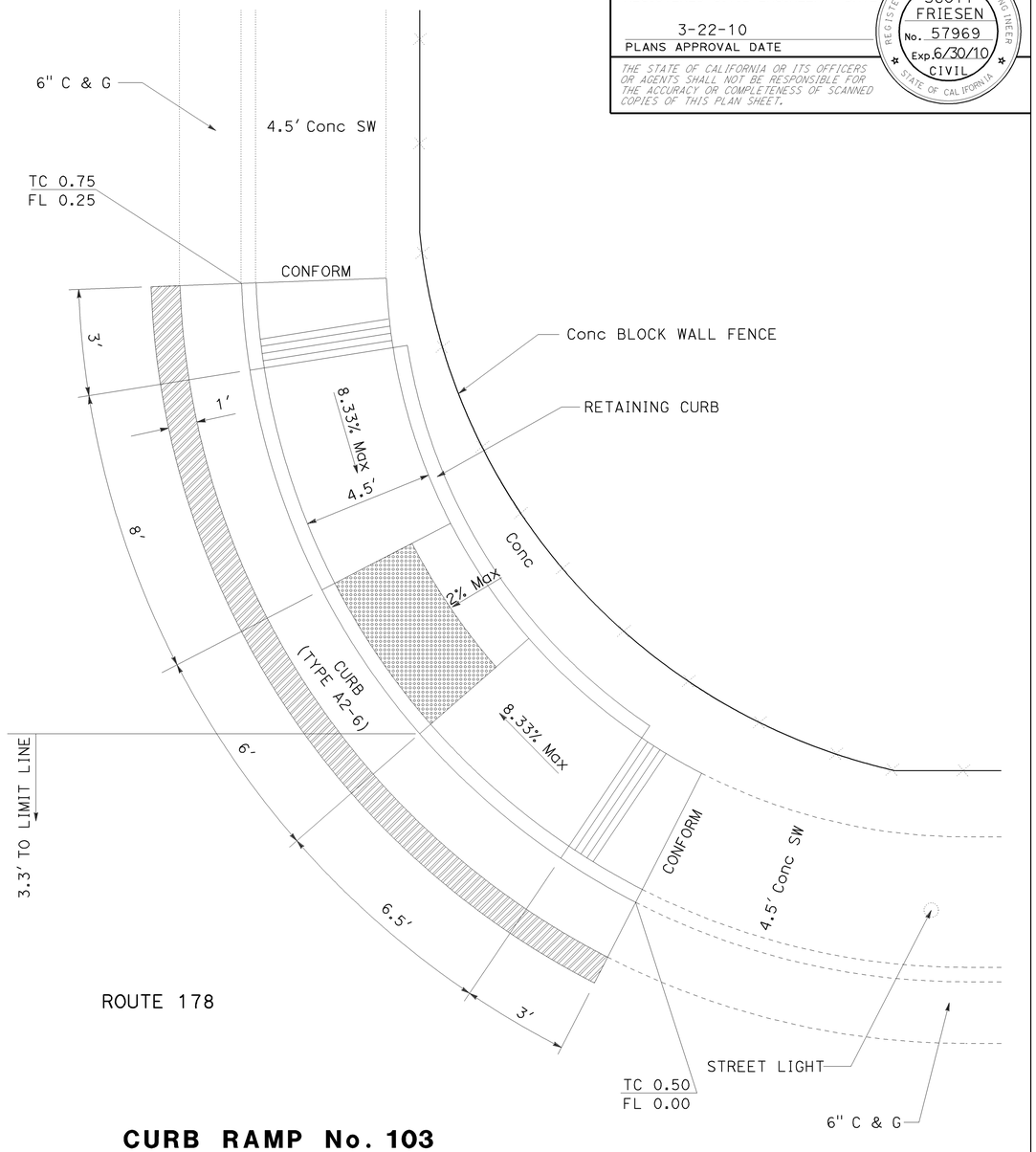
CURB RAMP No. 102

CASE C

ROUTE 178 - PM 0.50

ELM STREET

(NW CORNER)



CURB RAMP No. 103

CASE C

ROUTE 178 - PM 0.50

ELM STREET

(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-57**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	59	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 13:20

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga057.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	60	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

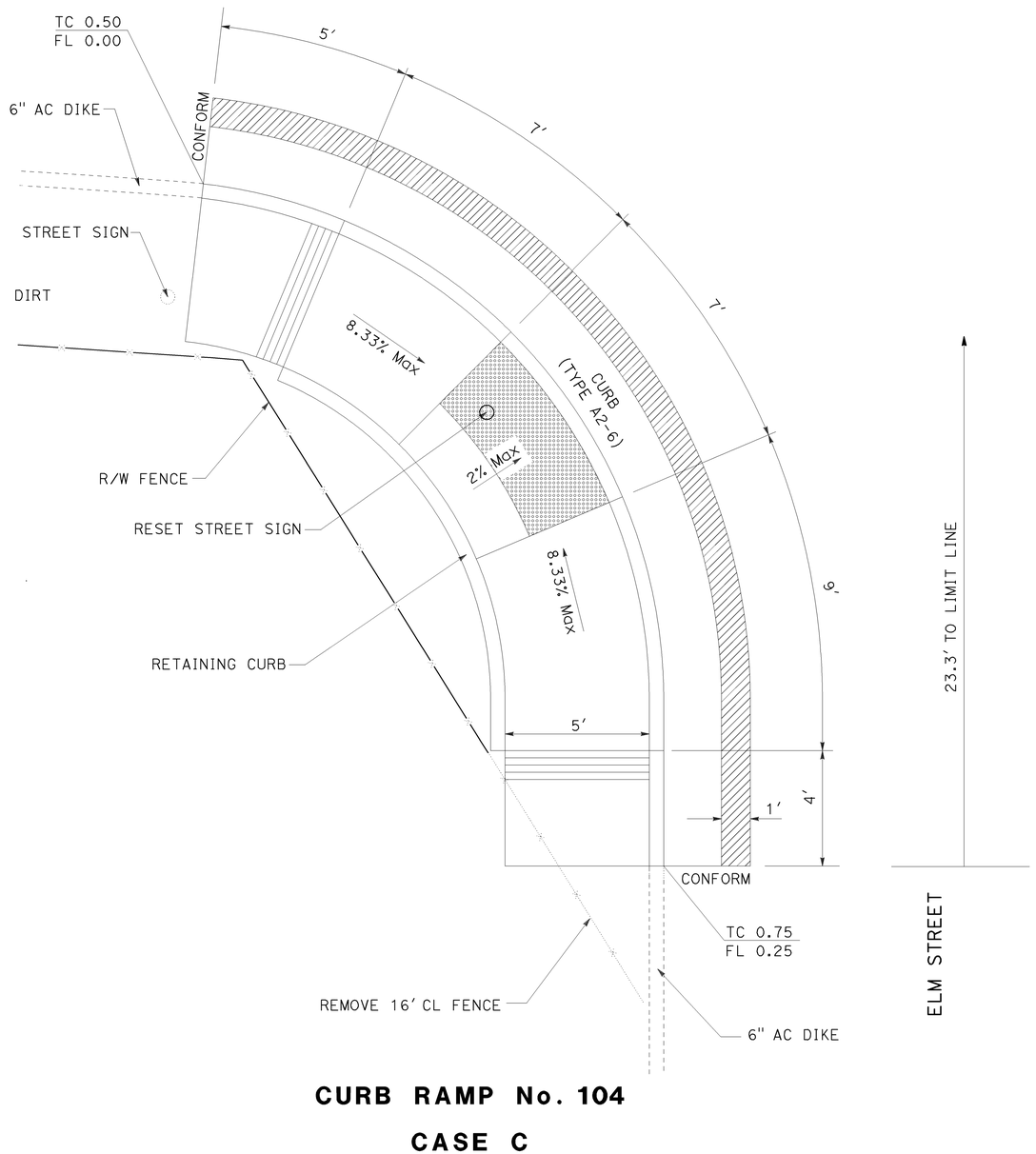
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

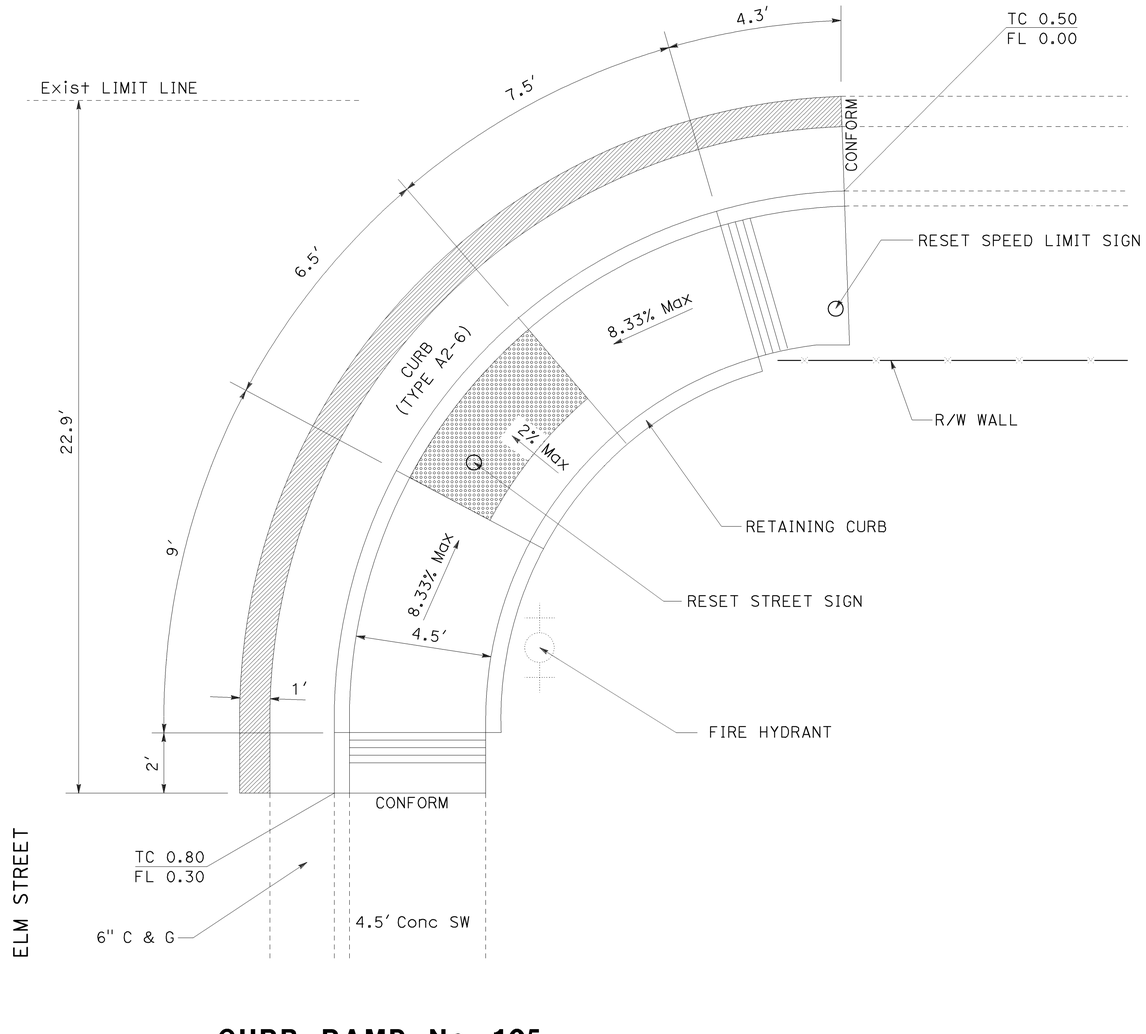
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ROUTE 178



CURB RAMP No. 104
CASE C
ROUTE 178 - PM 0.50
ELM STREET
(SW CORNER)

ROUTE 178



CURB RAMP No. 105
CASE C
ROUTE 178 - PM 0.50
ELM STREET
(SE CORNER)

CONSTRUCTION DETAILS

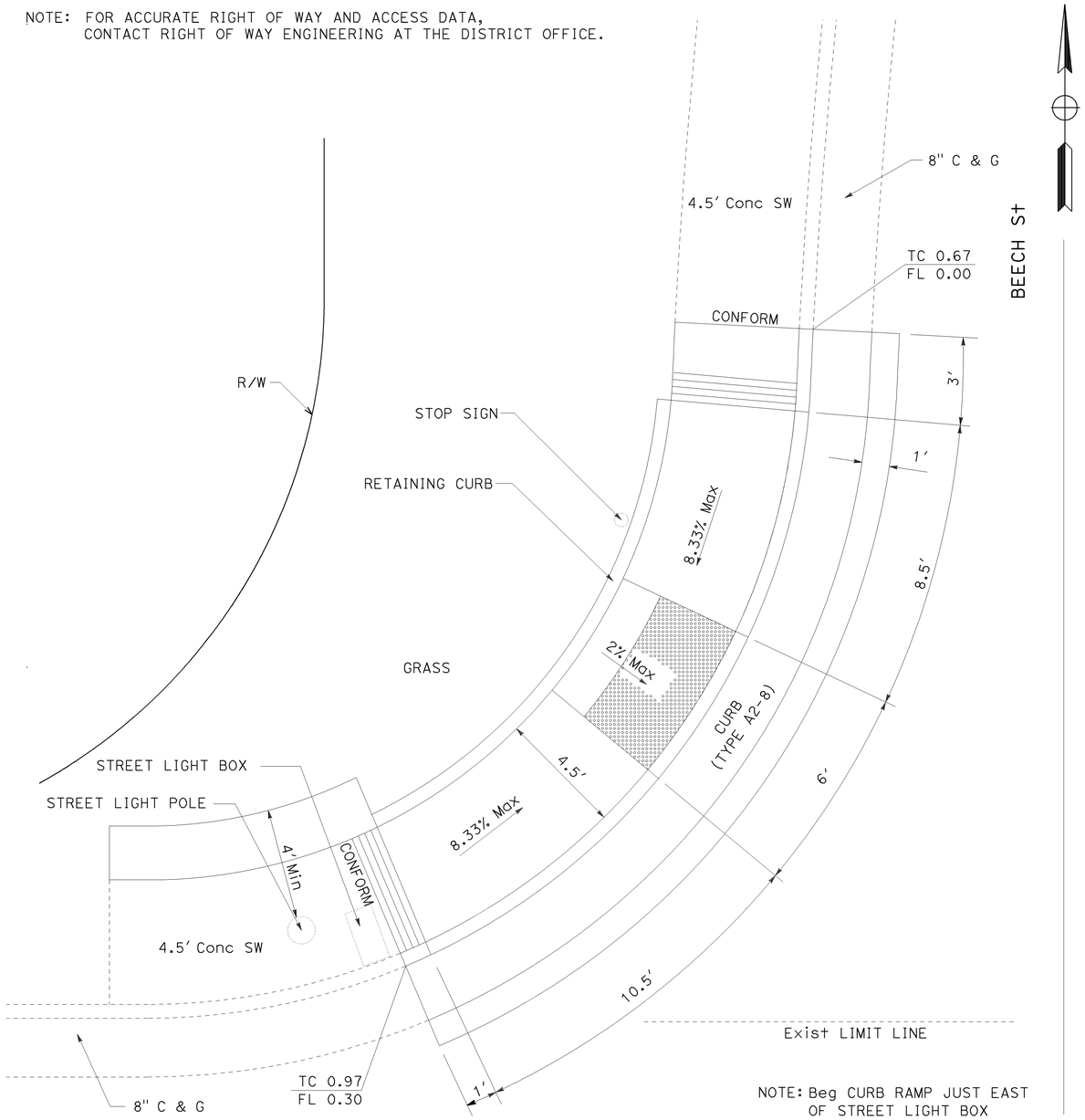
NO SCALE **C-58**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga058.dgn
CU 06252
EA 0G9401

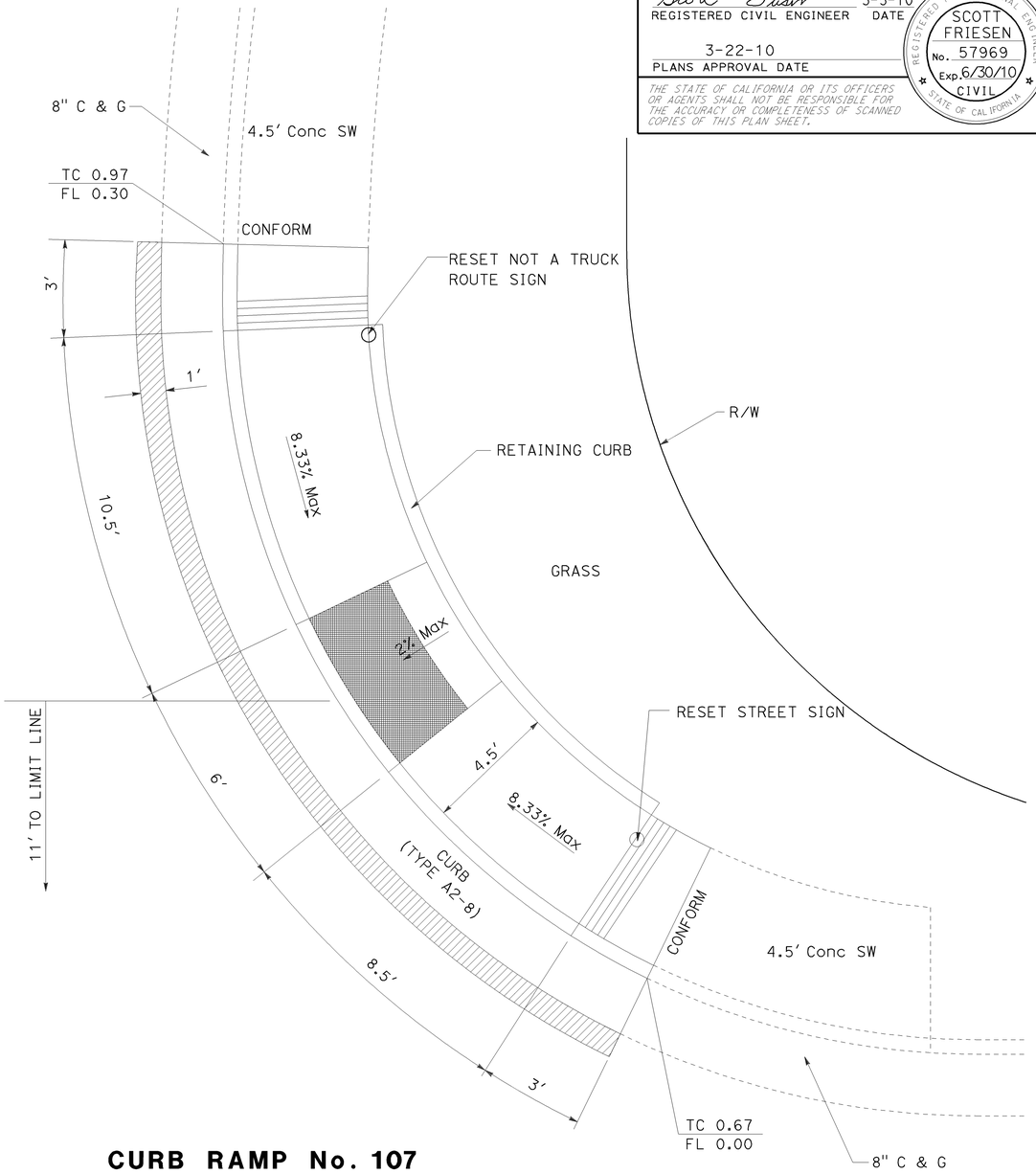
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NOTE: Beg CURB RAMP JUST EAST OF STREET LIGHT BOX

ROUTE 178

CURB RAMP No. 106
CASE C
ROUTE 178 - PM 0.56
BEECH STREET
(NW CORNER)



ROUTE 178

CURB RAMP No. 107
CASE C
ROUTE 178 - PM 0.56
BEECH STREET
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-59**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	61	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 19:02

BORDER LAST REVISED 4/11/2008

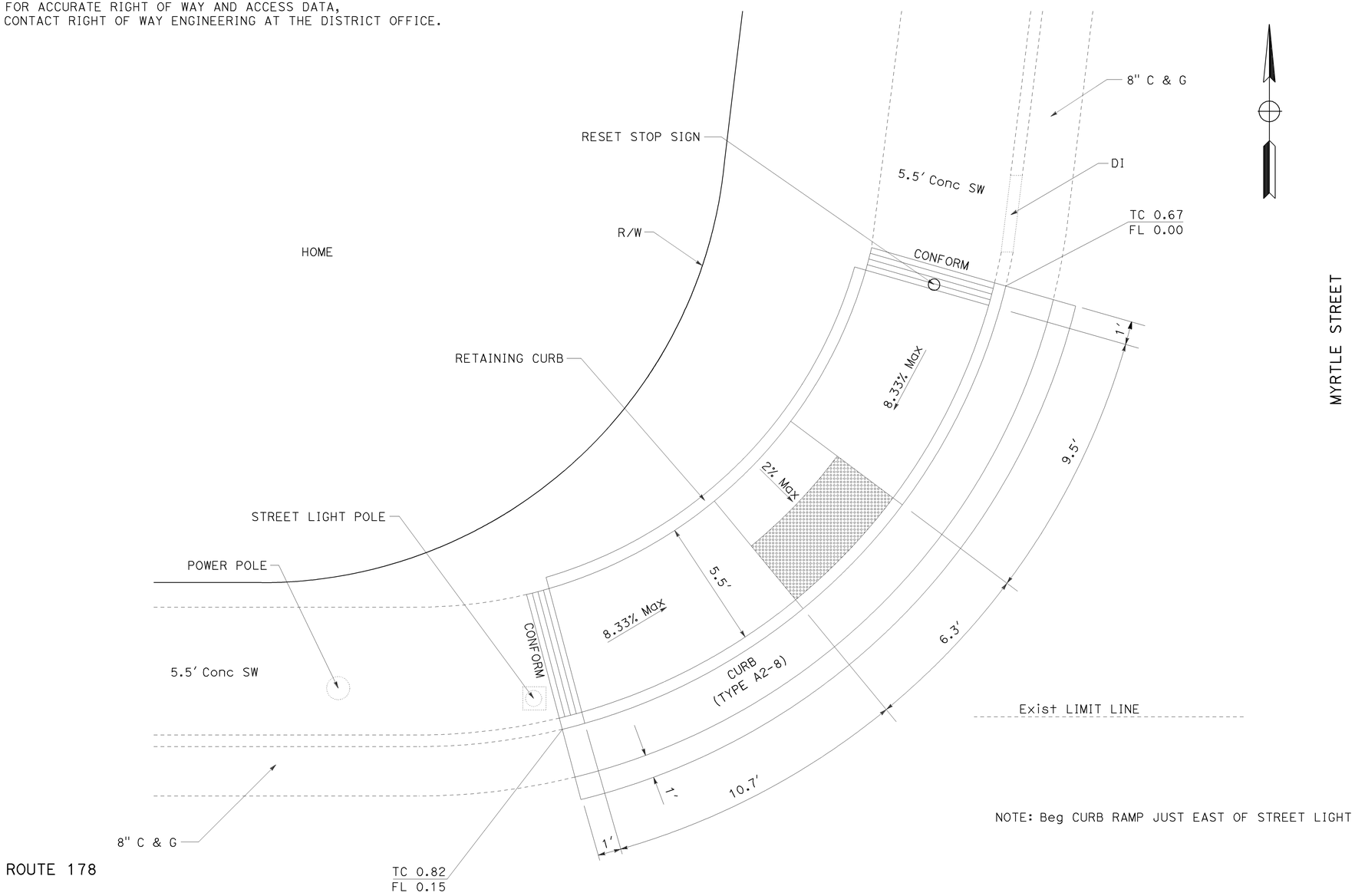
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga059.dgn

CU 06252

EA 0G9401

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



NOTE: Beg CURB RAMP JUST EAST OF STREET LIGHT POLE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	62	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

CURB RAMP No. 108

CASE C

ROUTE 178 - PM 0.63

MYRTLE STREET

(NW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-60**

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02
09-22-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga060.dgn

CU 06252

EA 0G9401

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	63	129

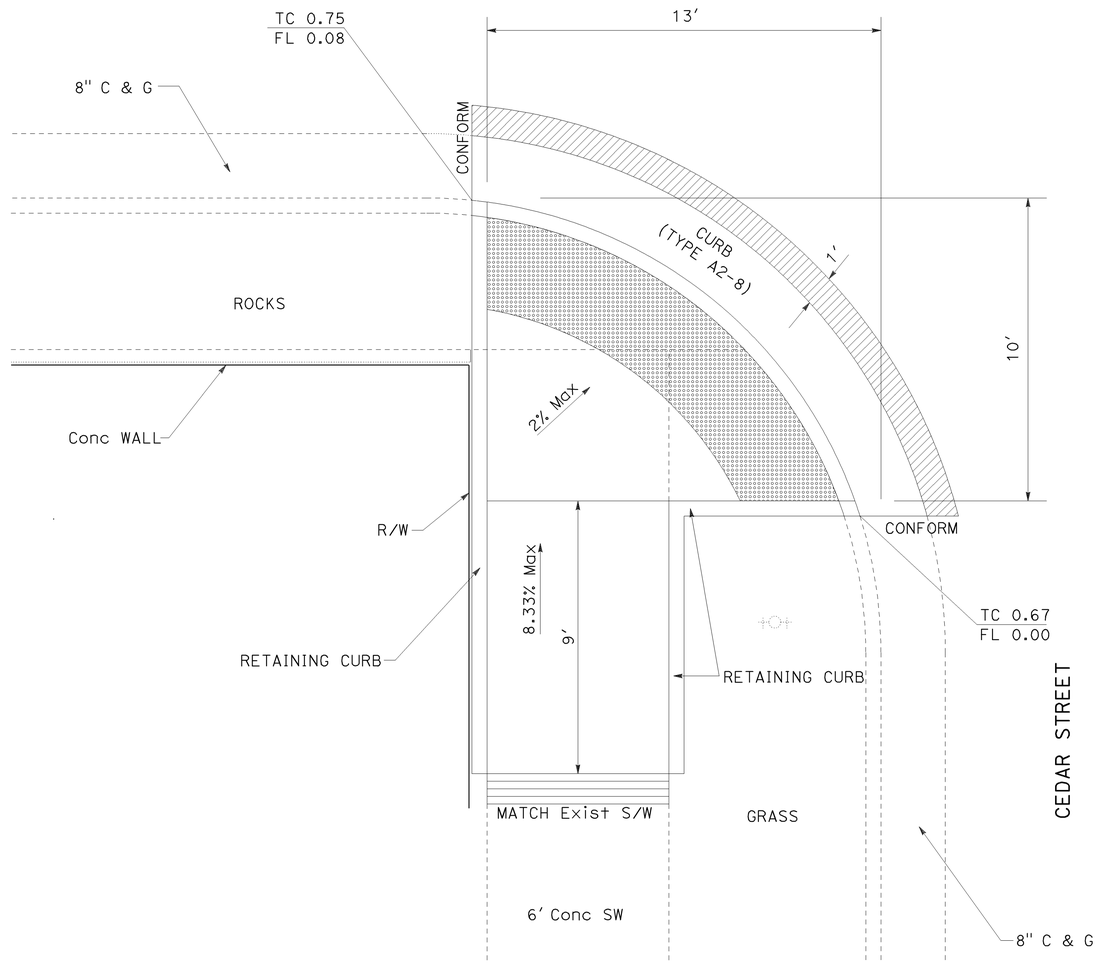
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

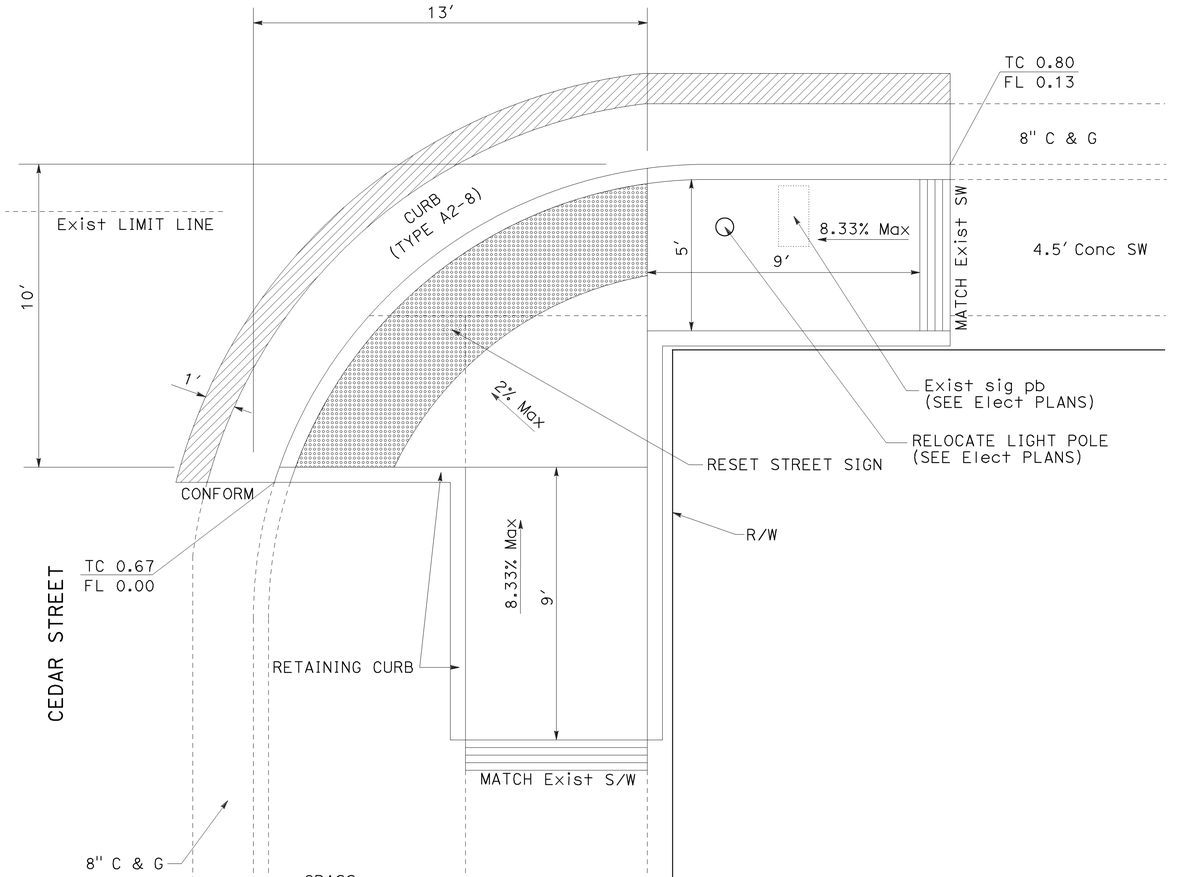
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ROUTE 178



CURB RAMP No 109
MODIFIED CASE CM
ROUTE 178 - PM 0.82
CEDAR STREET
(SW CORNER)

ROUTE 178



CURB RAMP No 110
MODIFIED CASE CM
ROUTE 178 - PM 0.82
CEDAR STREET
(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-61**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga061.dgn

CU 06252

EA 0G9401

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	64	129

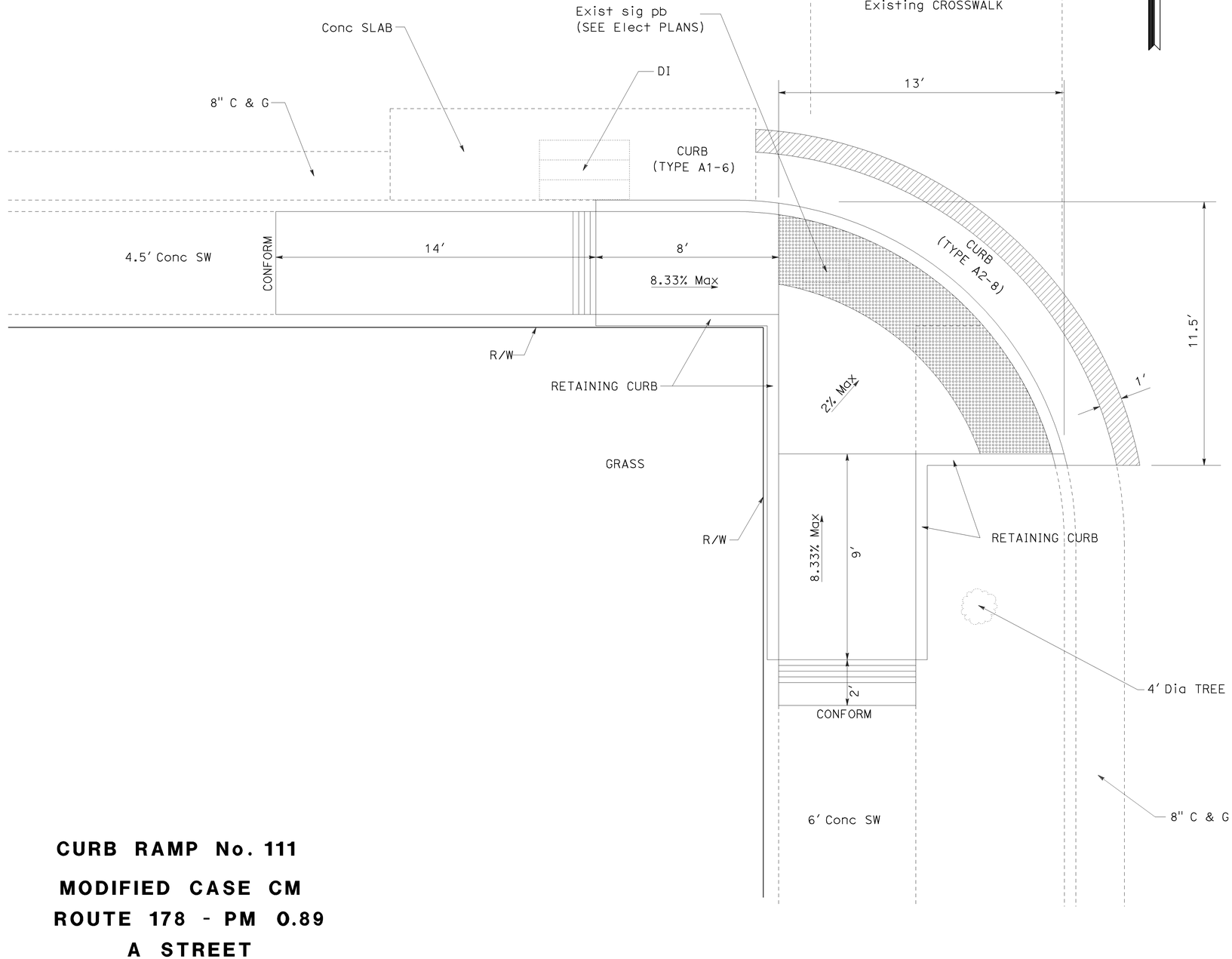
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.

ROUTE 178



CURB RAMP No. 111

MODIFIED CASE CM

ROUTE 178 - PM 0.89

A STREET

(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-62**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:02

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga062.dgn

CU 06252

EA 0G9401

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,*etc.*	Var	65	129

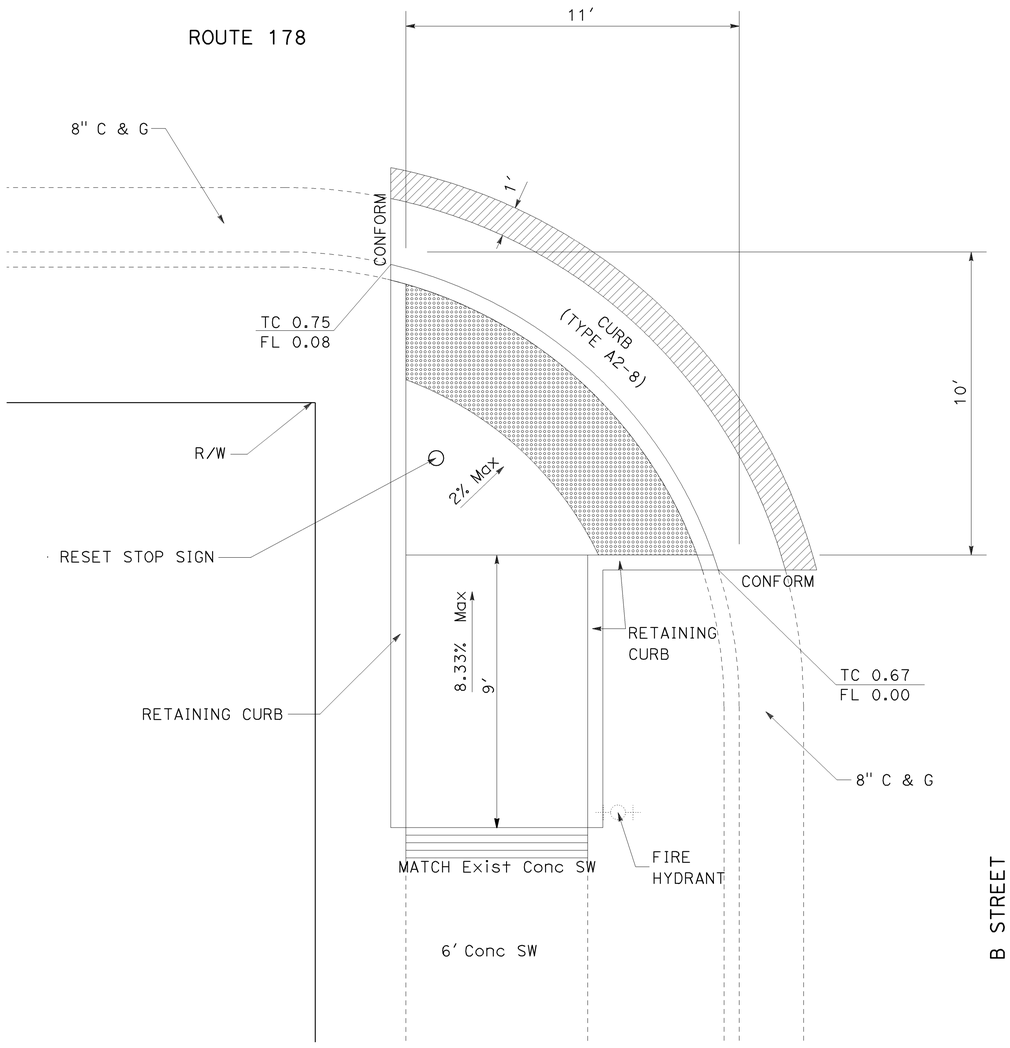
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

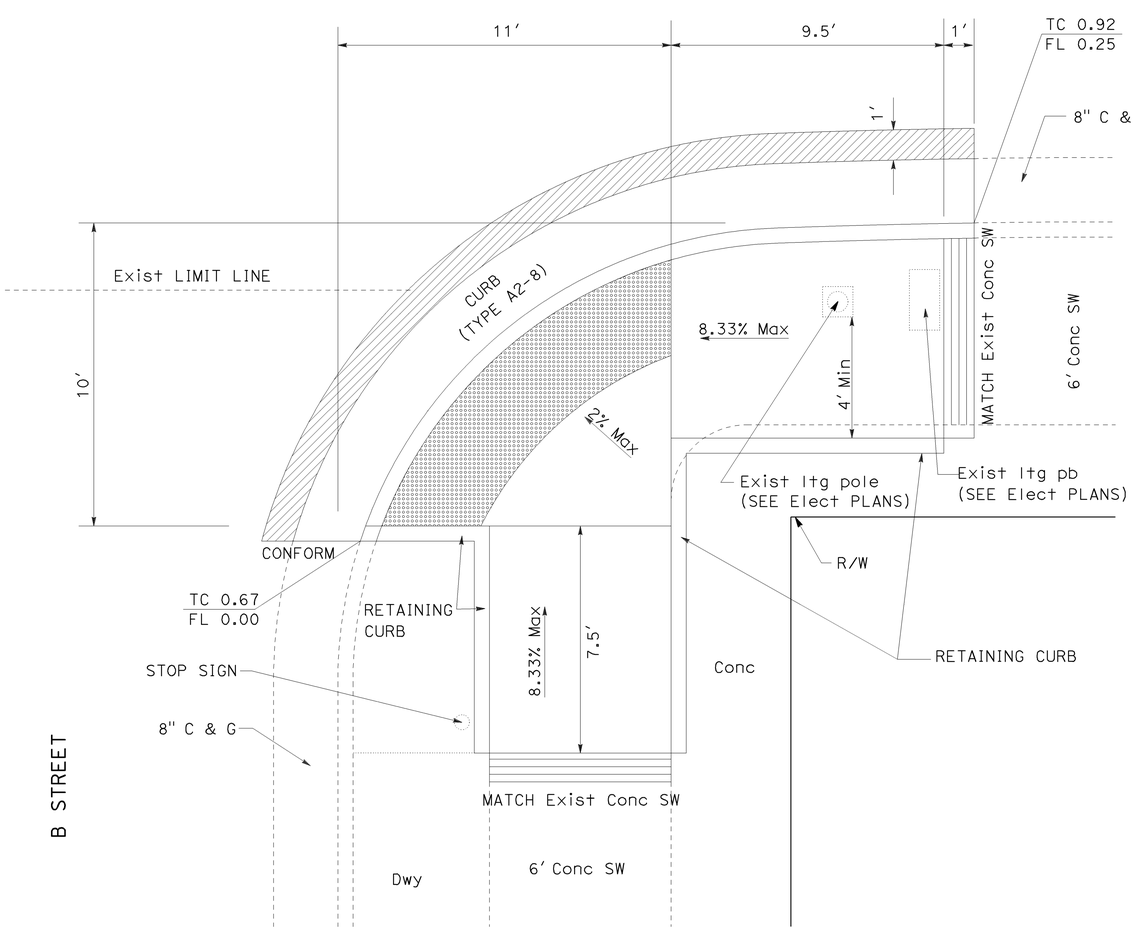
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ROUTE 178



CURB RAMP No. 112
MODIFIED CASE CM
ROUTE 178 - PM 0.96
B STREET
(SW CORNER)

ROUTE 178



CURB RAMP No. 113
MODIFIED CASE CM
ROUTE 178 - PM 0.96
B STREET
(SE CORNER)

CONSTRUCTION DETAILS

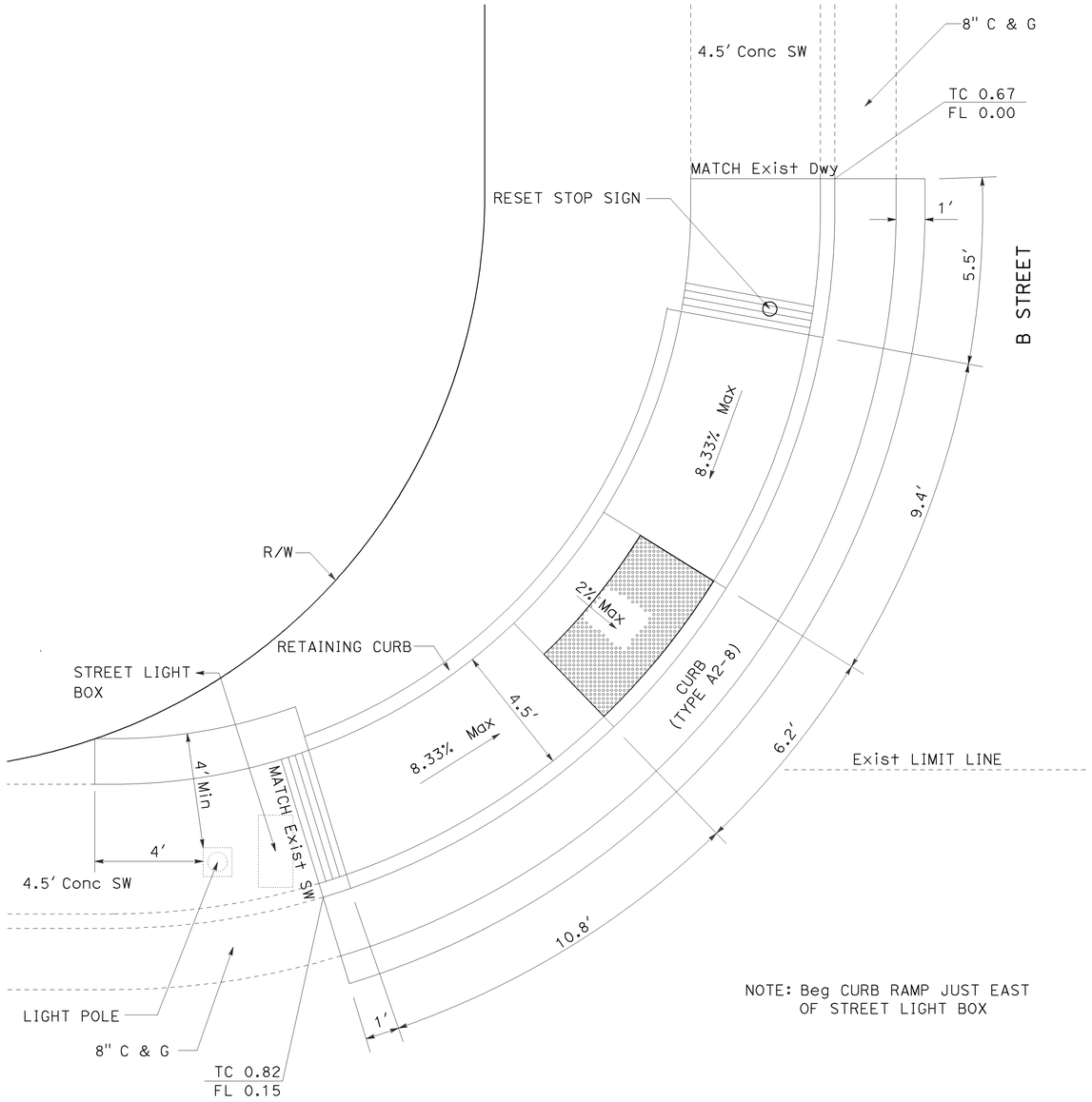
NO SCALE **C-63**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga063.dgn
CU 06252
EA 0G9401

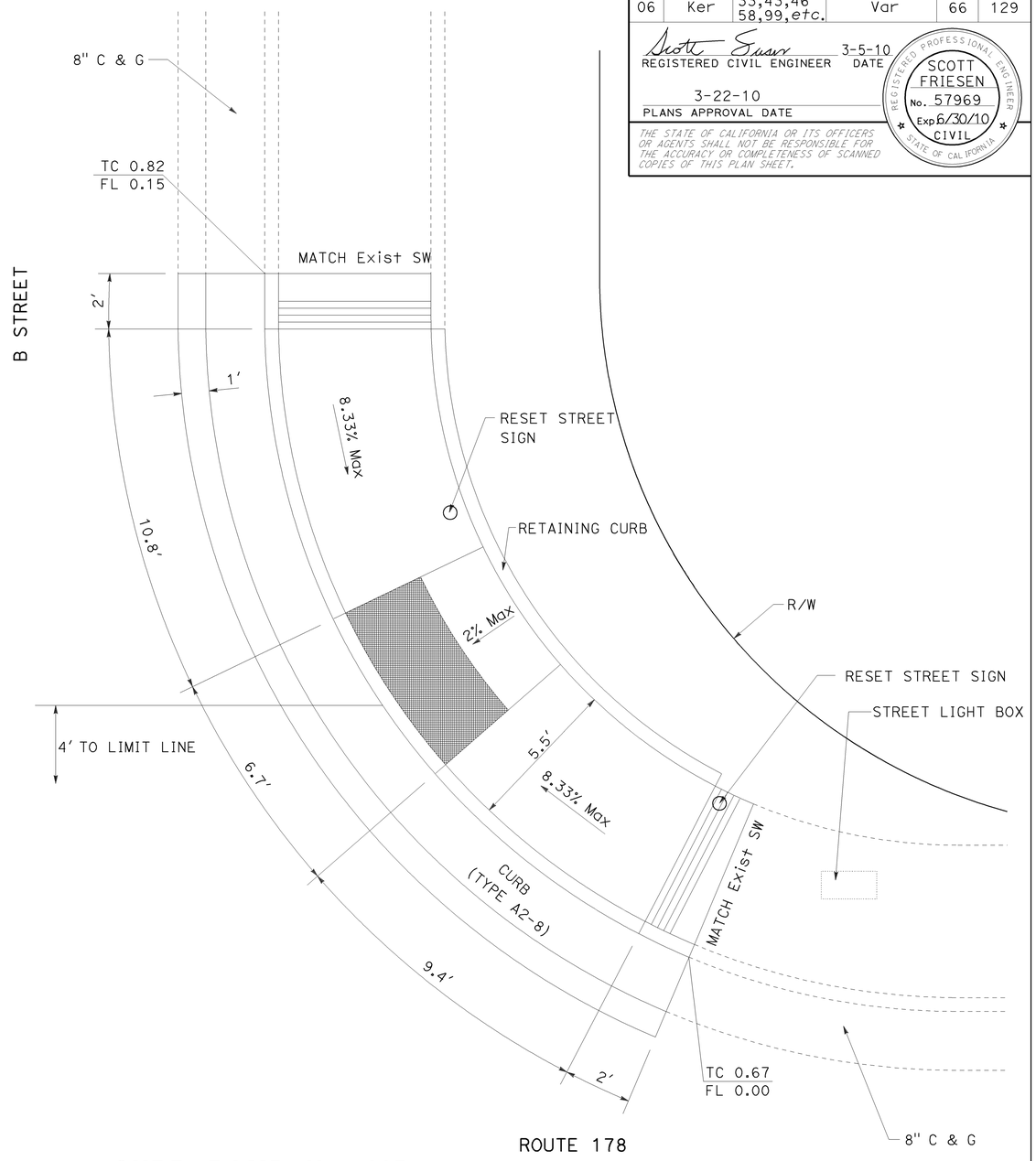
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NOTE: Beg CURB RAMP JUST EAST
OF STREET LIGHT BOX

ROUTE 178

CURB RAMP No. 114
CASE C
ROUTE 178 - PM 0.96
B STREET
(NW CORNER)



ROUTE 178

CURB RAMP No. 115
CASE C
ROUTE 178 - PM 0.96
B STREET
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-64**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	66	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga064.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	67	129

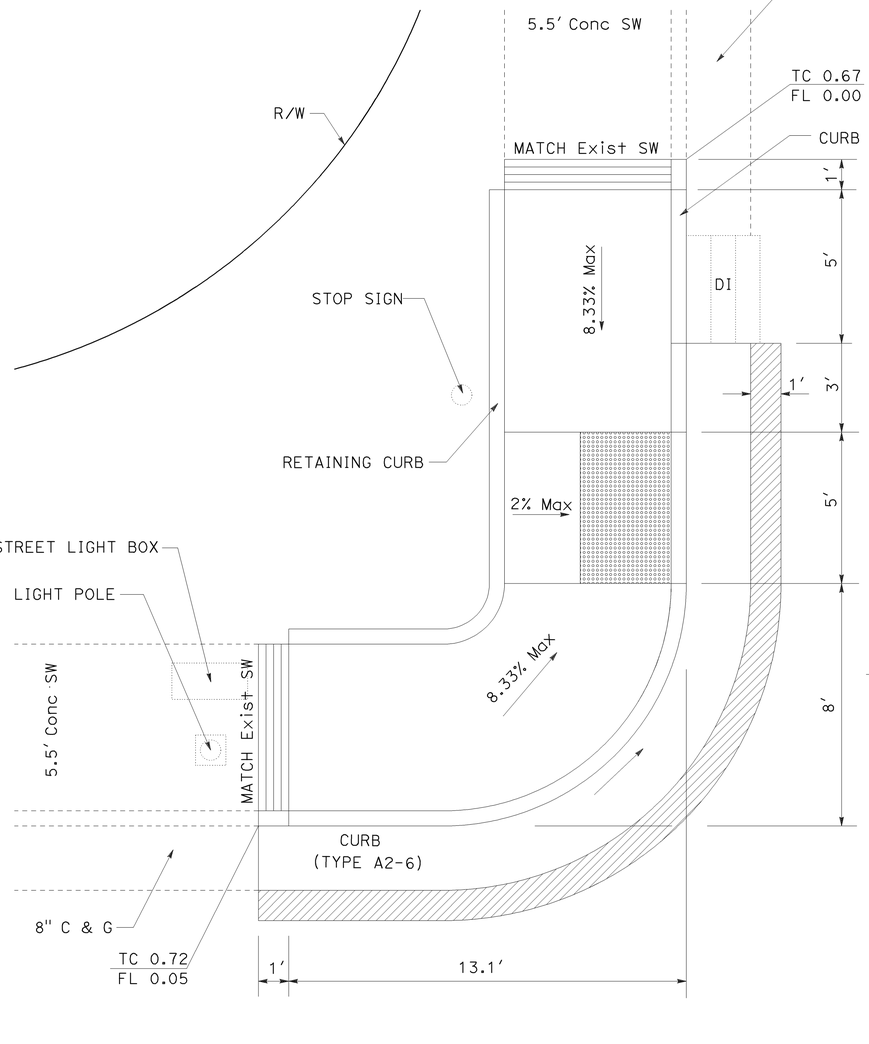
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp 6/30/10 CIVIL — STATE OF CALIFORNIA

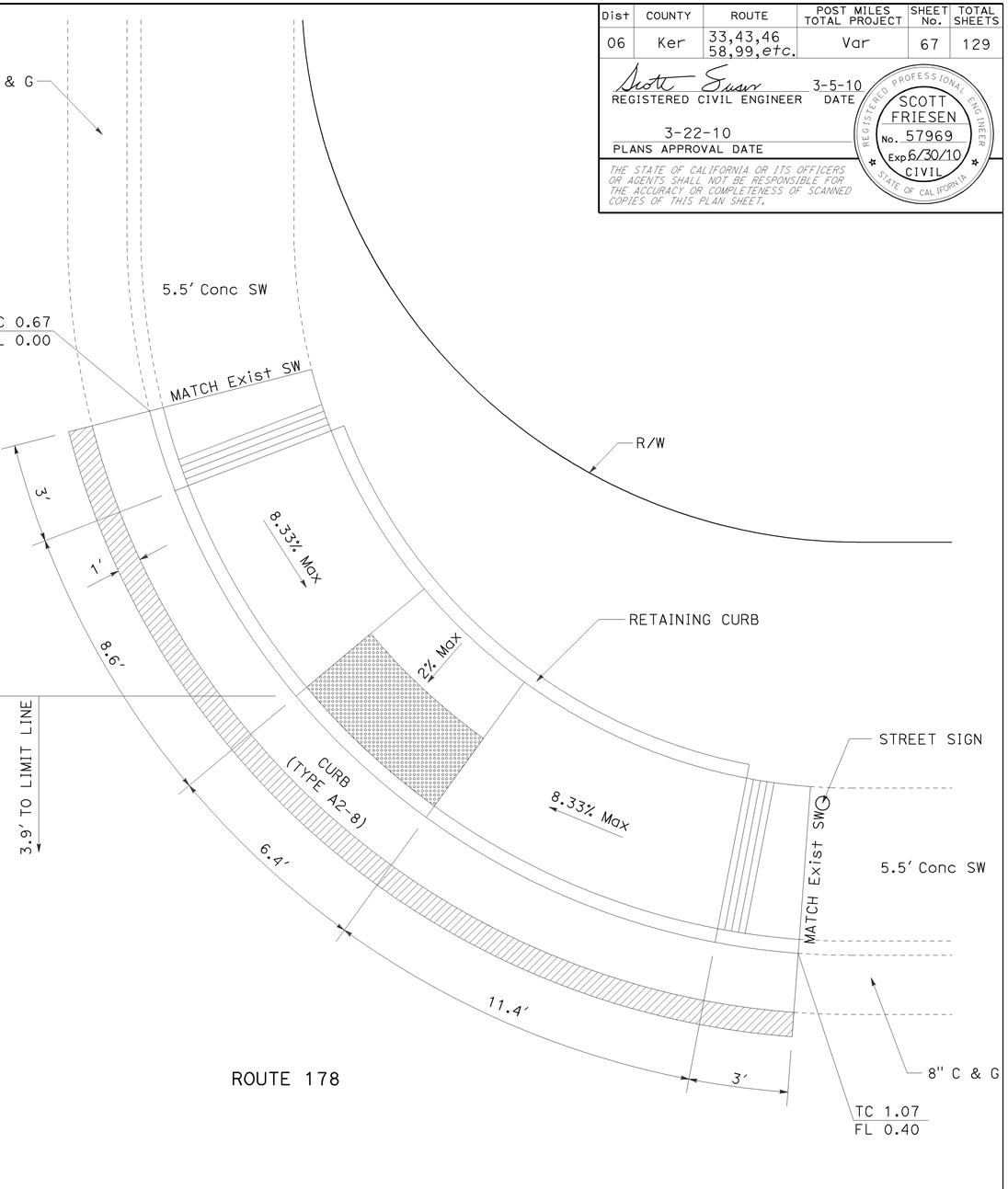
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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



ROUTE 178

C STREET



ROUTE 178

CURB RAMP No. 116
CASE C
ROUTE 178 - PM 1.02
C STREET
(NW CORNER)

CURB RAMP No. 117
CASE C
ROUTE 178 - PM 1.02
C STREET
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-65**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 606940ga065.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	68	129

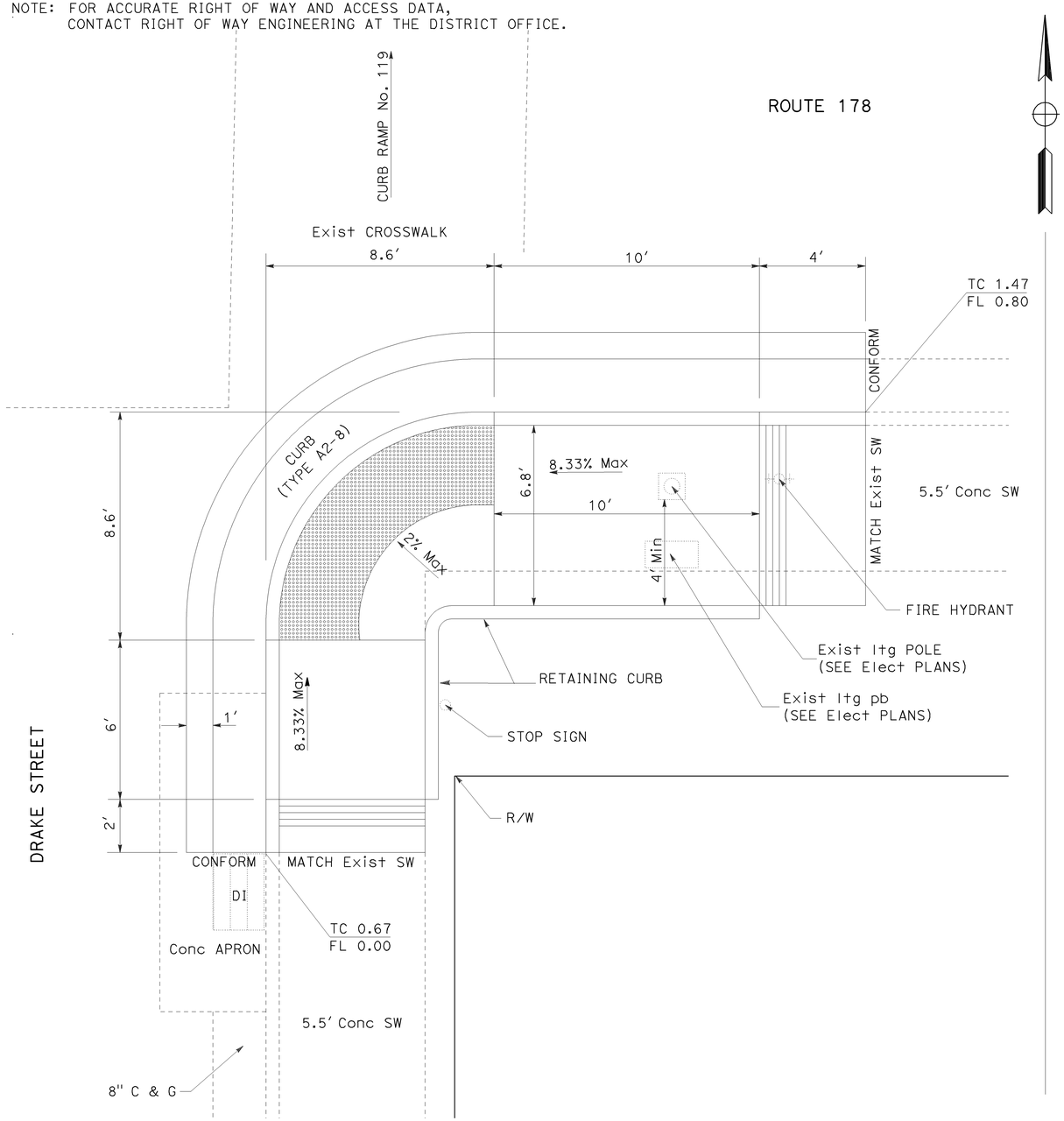
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



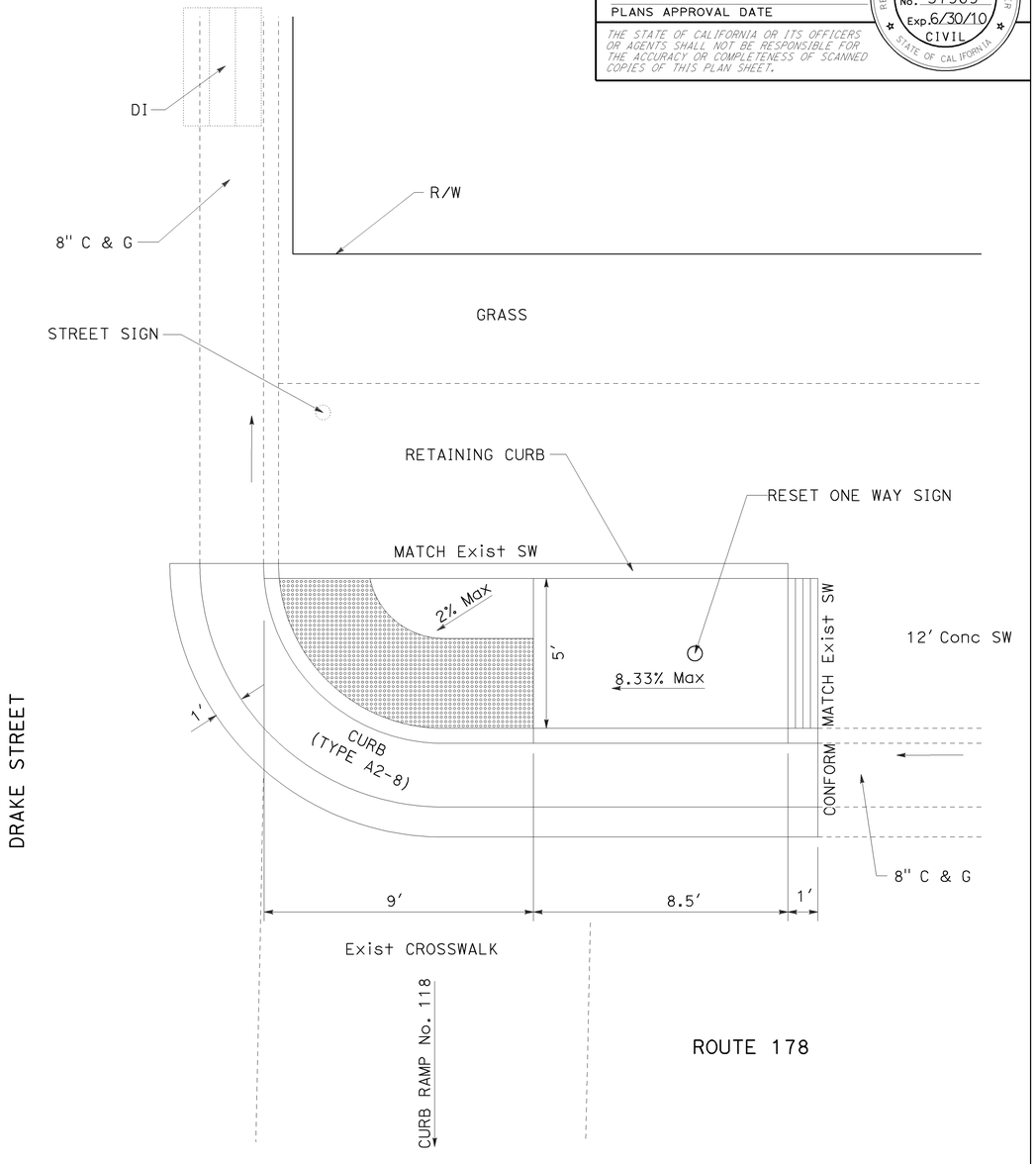
CURB RAMP No. 118

CASE C

WB ROUTE 178 - PM 1.09

DRAKE STREET

(SE CORNER)



CURB RAMP No. 119

MODIFIED CASE CM

WB ROUTE 178 - PM 1.09

DRAKE STREET

(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-66**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:02

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga066.dgn
CU 06252
EA 0G9401

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

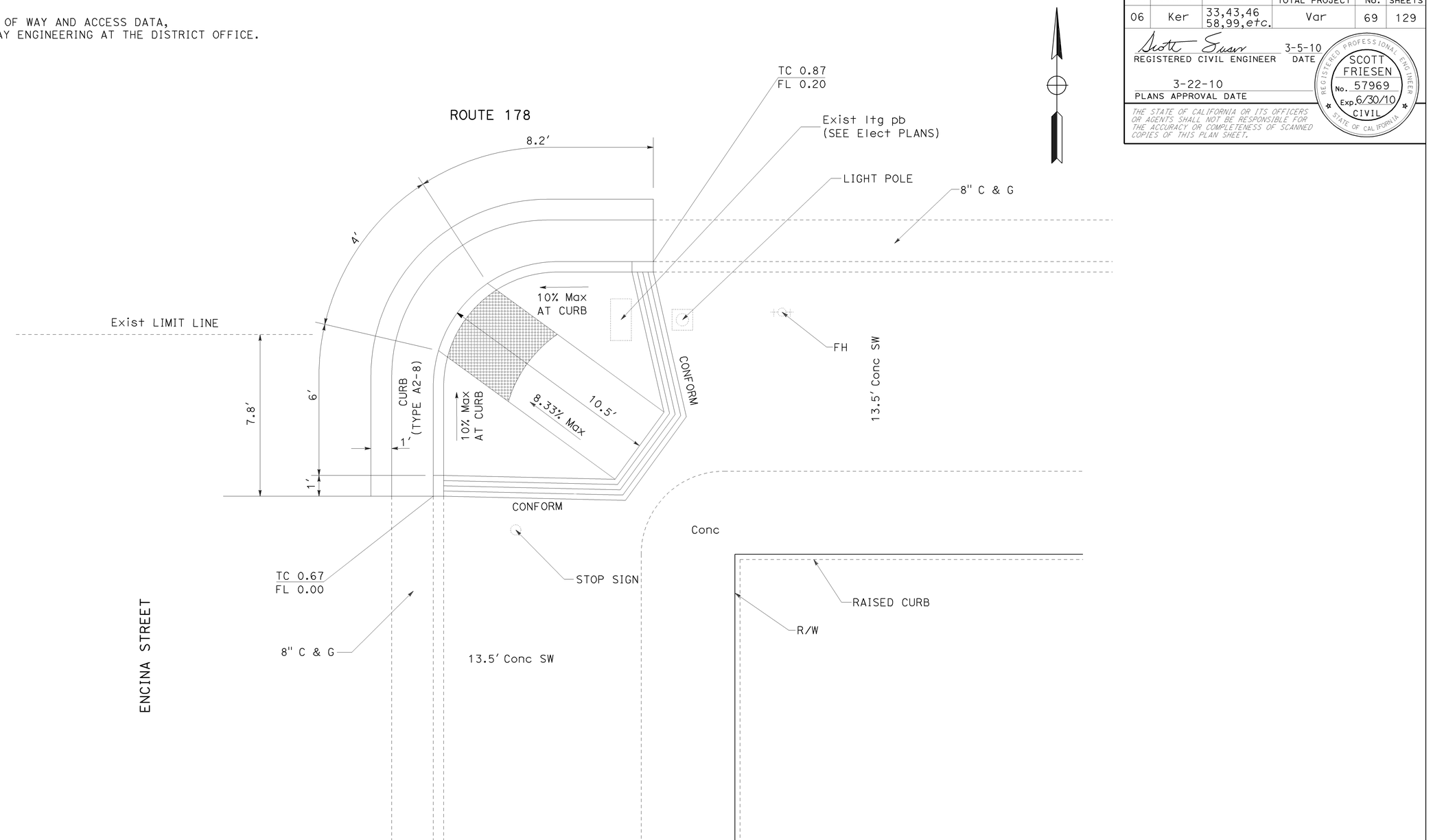
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	69	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.



CURB RAMP No. 120

CASE A

ROUTE 178 - PM 1.15

ENCINA STREET

(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-67**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY

REVISED BY	DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:03

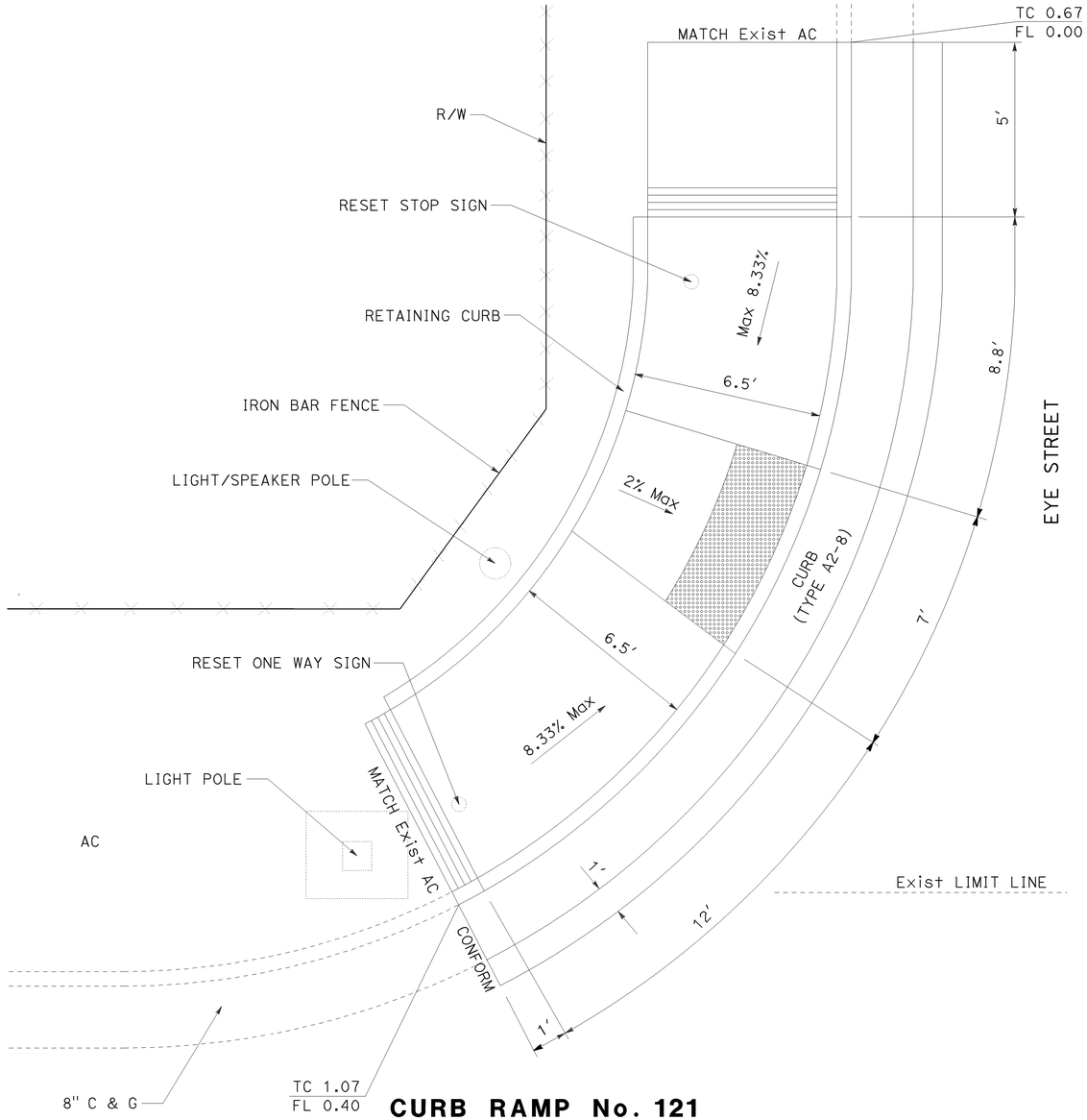
BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ga067.dgn

CU 06252 EA 0G9401

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



CURB RAMP No. 121

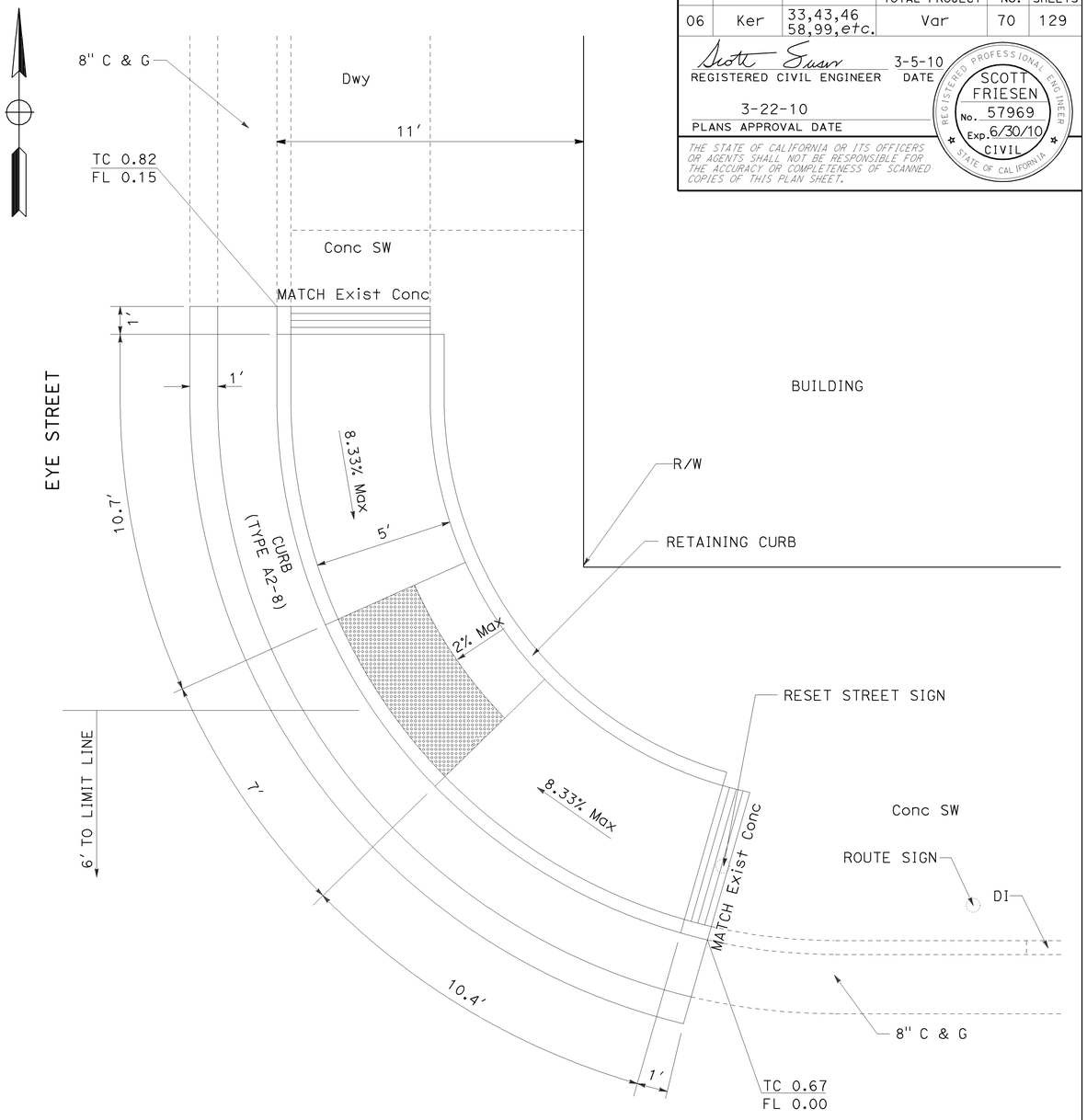
CASE C

ROUTE 178 - PM 1.18

EB EYE STREET

(NW CORNER)

ROUTE 178



CURB RAMP No. 122

CASE C

ROUTE 178 - PM 1.18

EB EYE STREET

(NE CORNER)

ROUTE 178

CONSTRUCTION DETAILS

NO SCALE **C-68**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	70	129

REGISTERED CIVIL ENGINEER — 3-5-10 DATE

SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:03
09-22-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga068.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	71	129

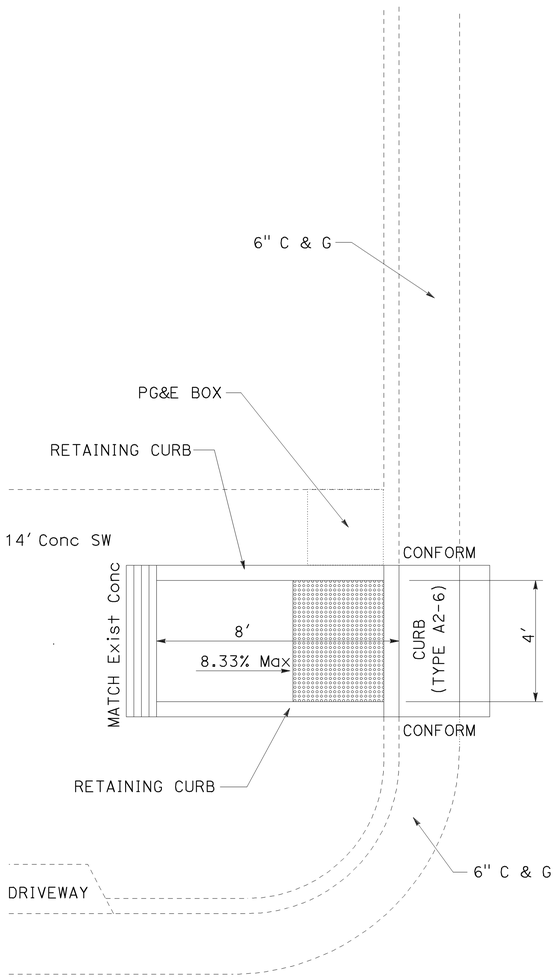
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

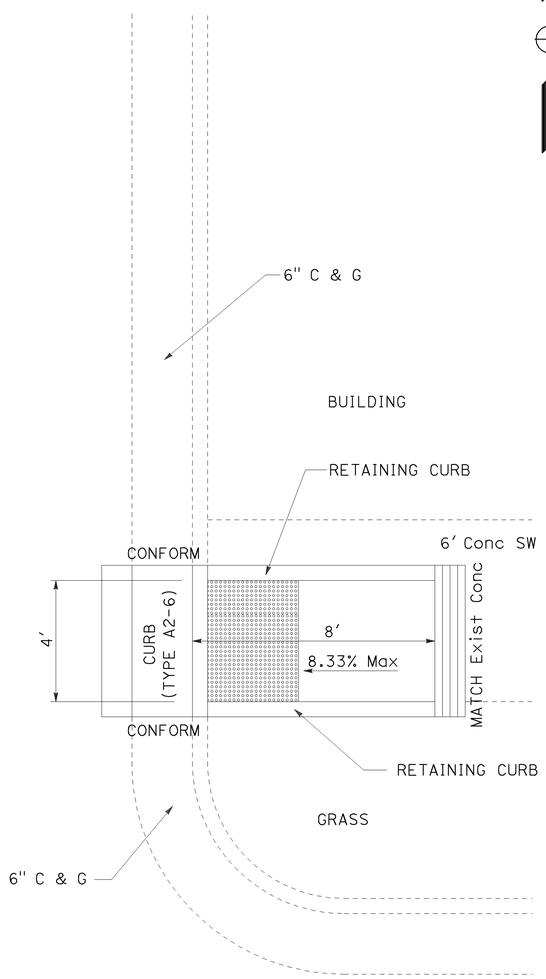
REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp.6/30/10 CIVIL — STATE OF CALIFORNIA

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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



ALLEY



ROUTE 178

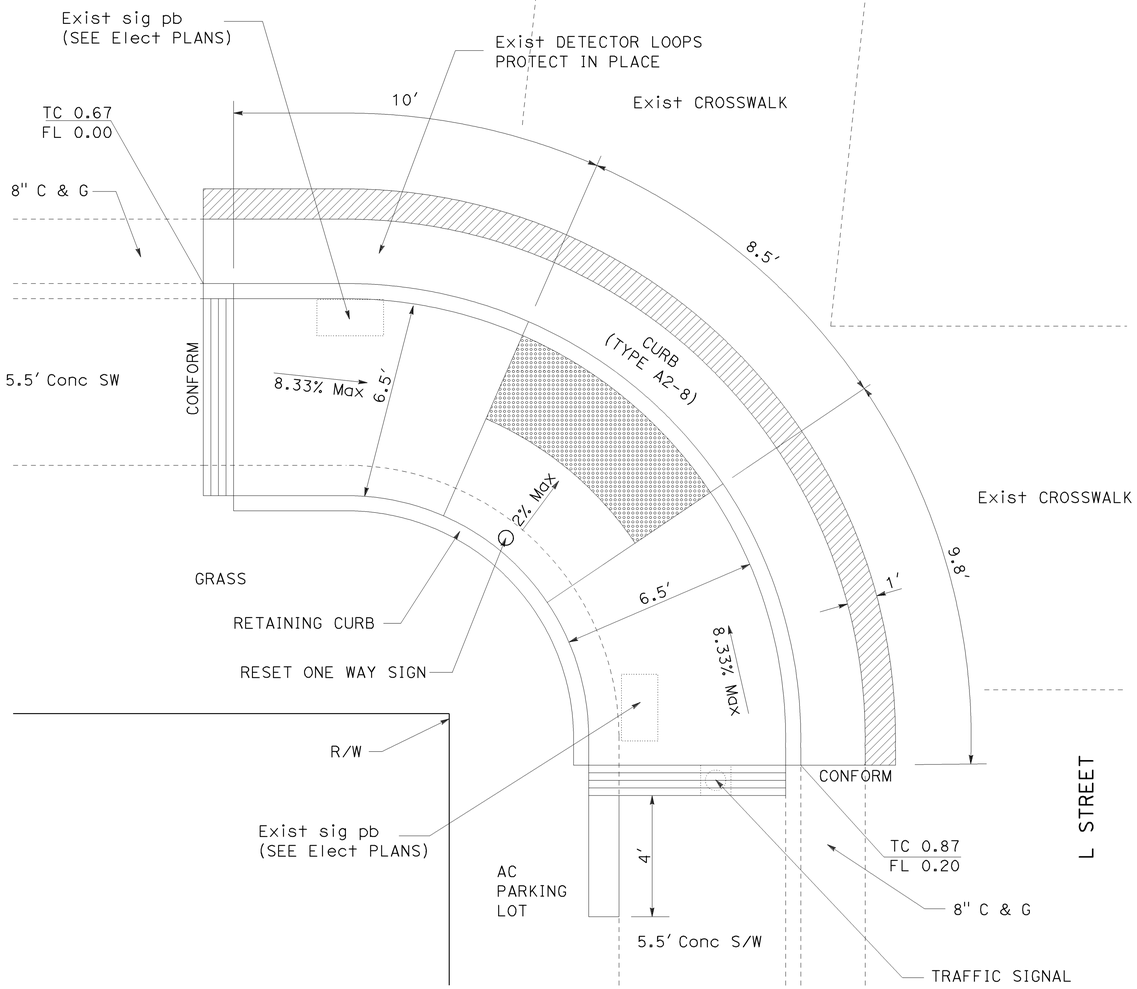
CURB RAMP No. 123

MODIFIED CASE F

WB ROUTE 178 - PM 1.50

ALLEY

ROUTE 178



CURB RAMP No. 124

CASE C

EB ROUTE 178 - PM 1.62

L STREET

(SW CORNER)

NOTE: Beg RAMP JUST NORTH OF POLE

CONSTRUCTION DETAILS

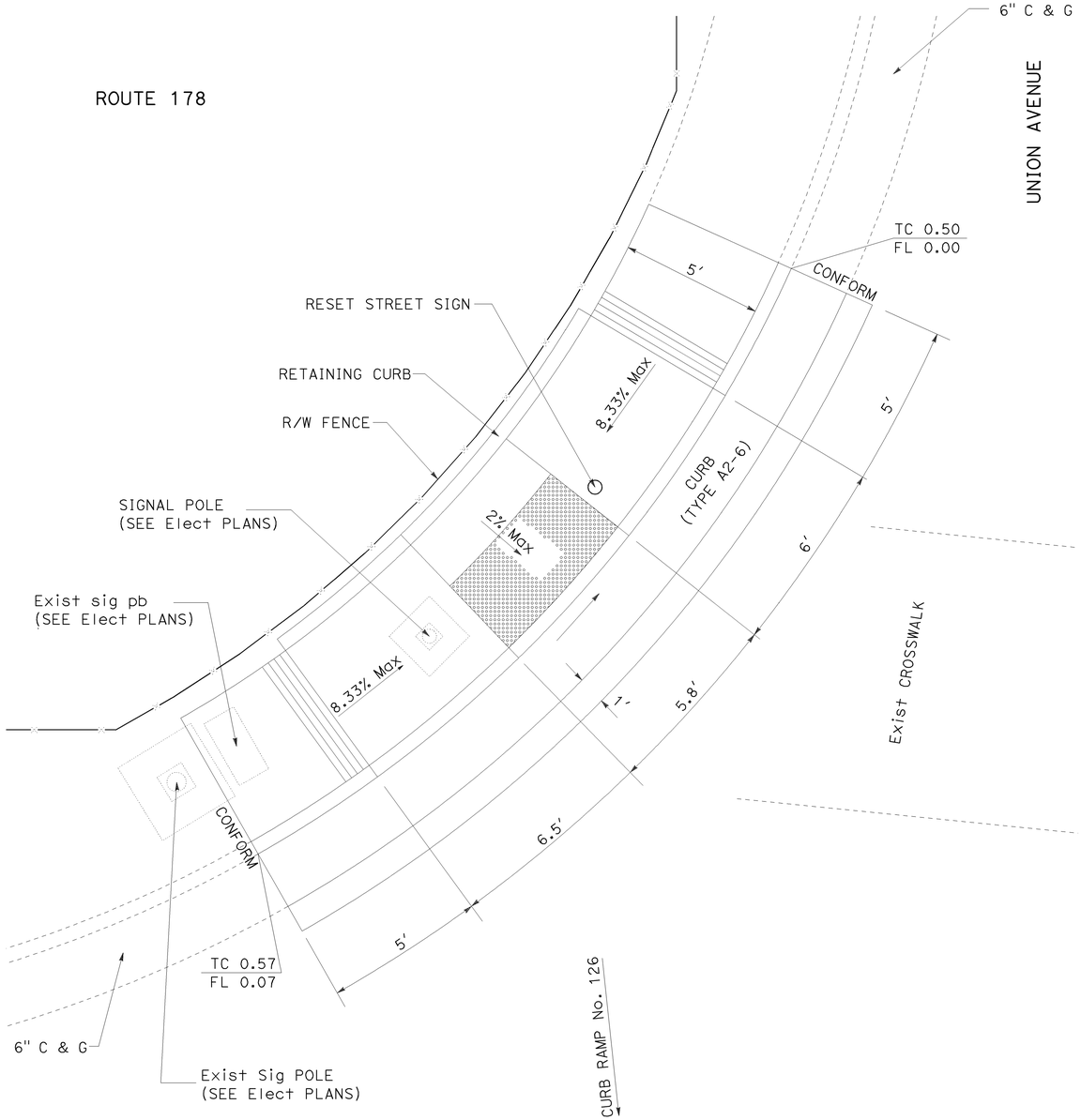
NO SCALE **C-69**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: SCOTT M. FRIESEN
CHECKED BY: TAREK CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga069.dgn
CU 06252
EA 0G9401

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



ROUTE 178 ON RAMP

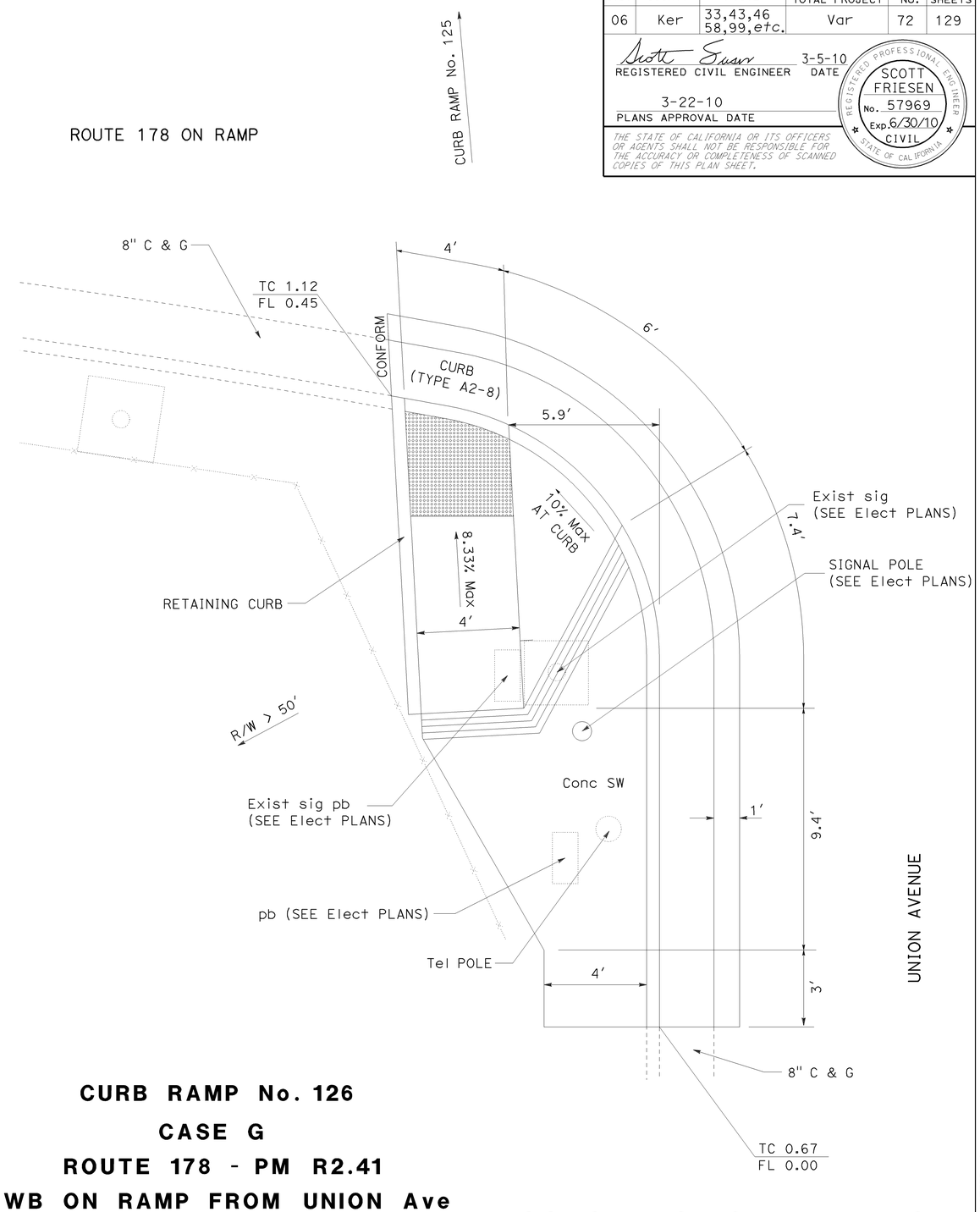
CURB RAMP No. 125

CASE C

ROUTE 178 - PM R2.41

WB ON RAMP FROM UNION Ave

(NORTH SIDE)



CURB RAMP No. 126

CASE G

ROUTE 178 - PM R2.41

WB ON RAMP FROM UNION Ave

(SOUTH SIDE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	72	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL
REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

3-22-10
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.

CONSTRUCTION DETAILS

NO SCALE **C-70**

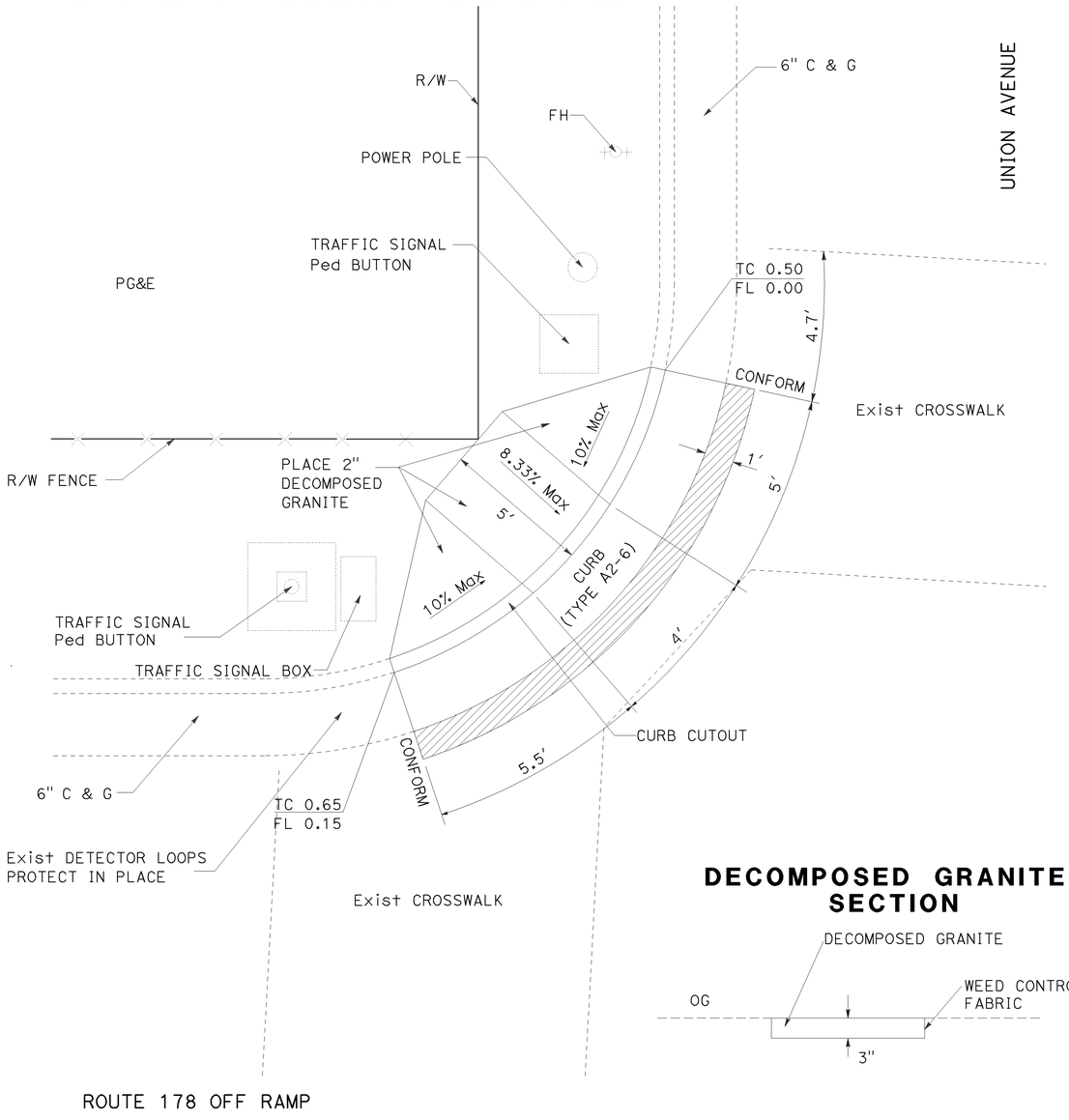
REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

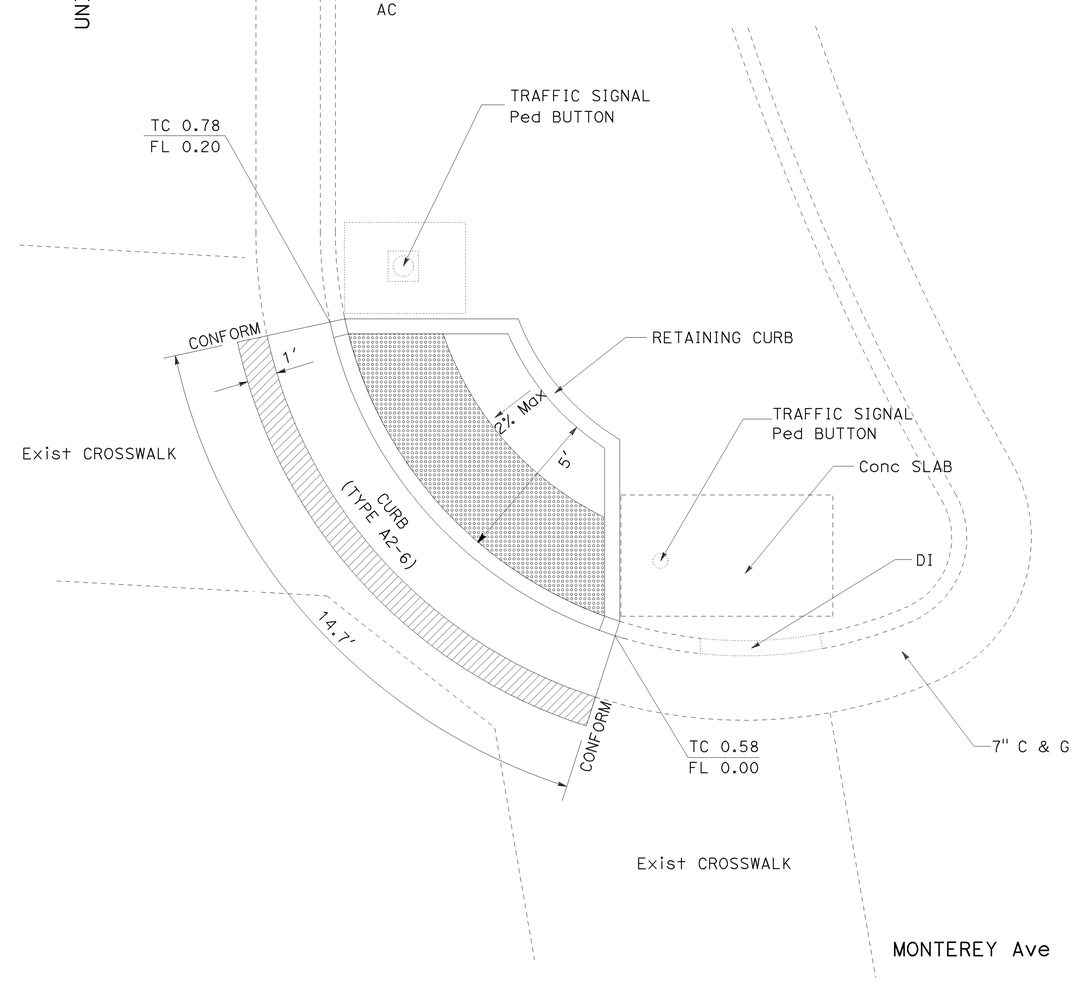
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 9:03

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



DECOMPOSED GRANITE SECTION



CURB RAMP No. 127
DECOMPOSED GRANITE CURB CUTOUT
ROUTE 178 - PM R2.41
EB OFF RAMP TO UNION Ave
(NORTH SIDE)

CURB RAMP No. 128
CONCRETE LANDING
ROUTE 178 - PM R2.41
EB ON RAMP FROM UNION Ave
(NORTH SIDE)

CONSTRUCTION DETAILS

NO SCALE **C-71**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	73	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:03
09-22-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga071.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	74	129

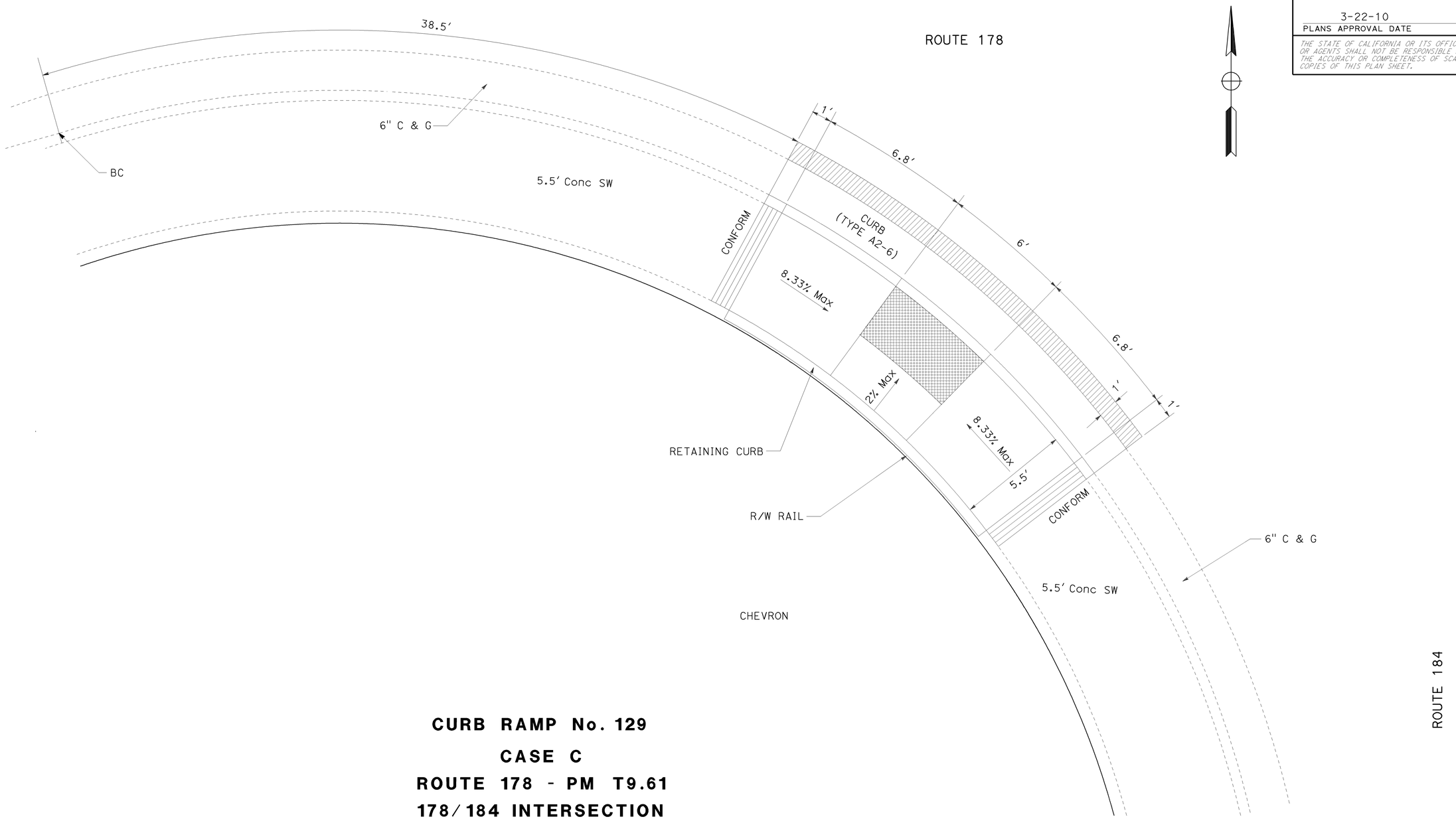
REGISTERED CIVIL ENGINEER 3-5-10 DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp. 6/30/10 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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURB RAMP No. 129

CASE C

ROUTE 178 - PM T9.61

178/184 INTERSECTION

(SW CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-72**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

CALCULATED-DESIGNED BY: TAREK CHOWDHURY

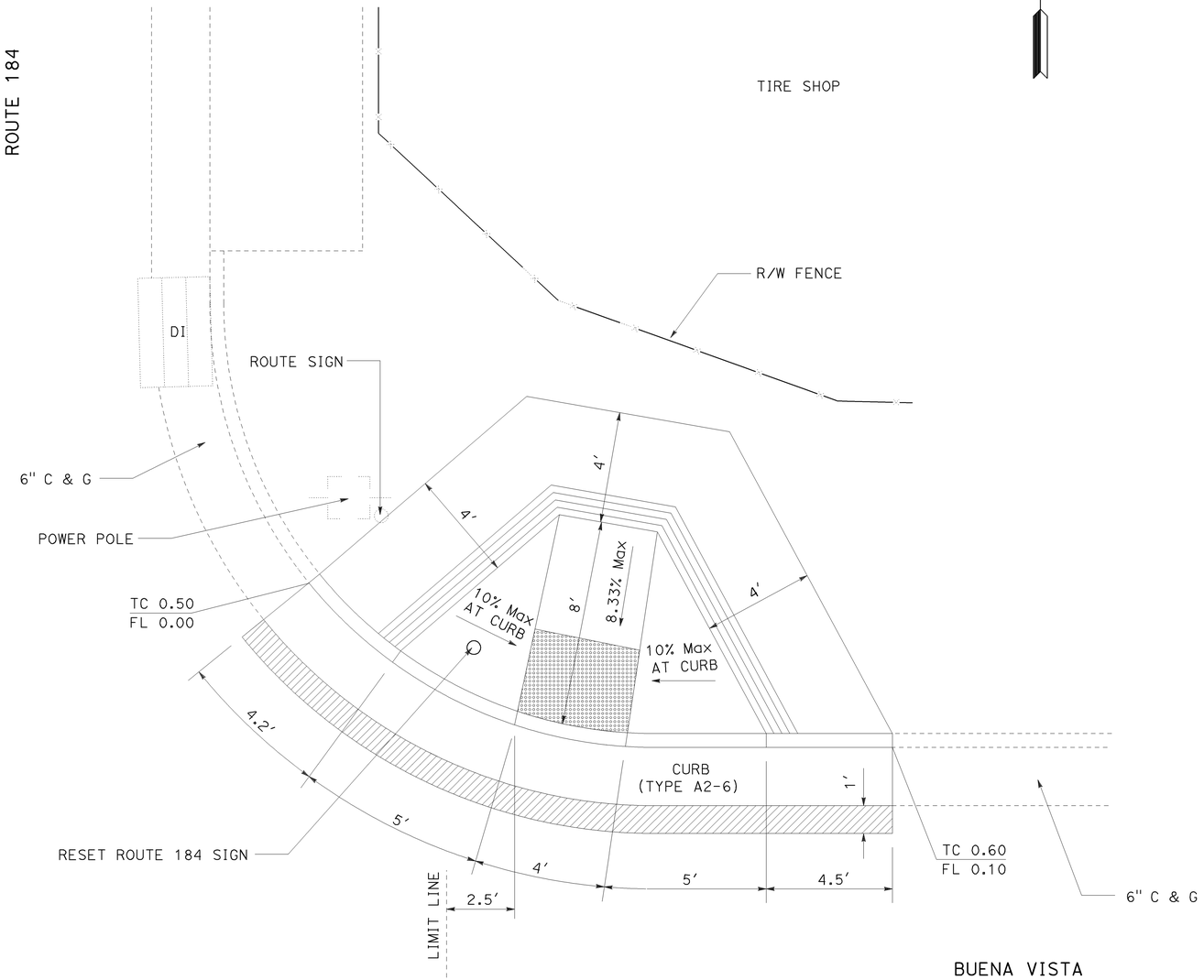
CHECKED BY: SCOTT M. FRIESEN

REVISED BY

DATE REVISED

LAST REVISION 09-22-09 DATE PLOTTED => 11-APR-2010 TIME PLOTTED => 19:03

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



CURB RAMP No. 130
CASE A
ROUTE 184 - PM 0.00
BUENA VISTA
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE

C-73

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	75	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

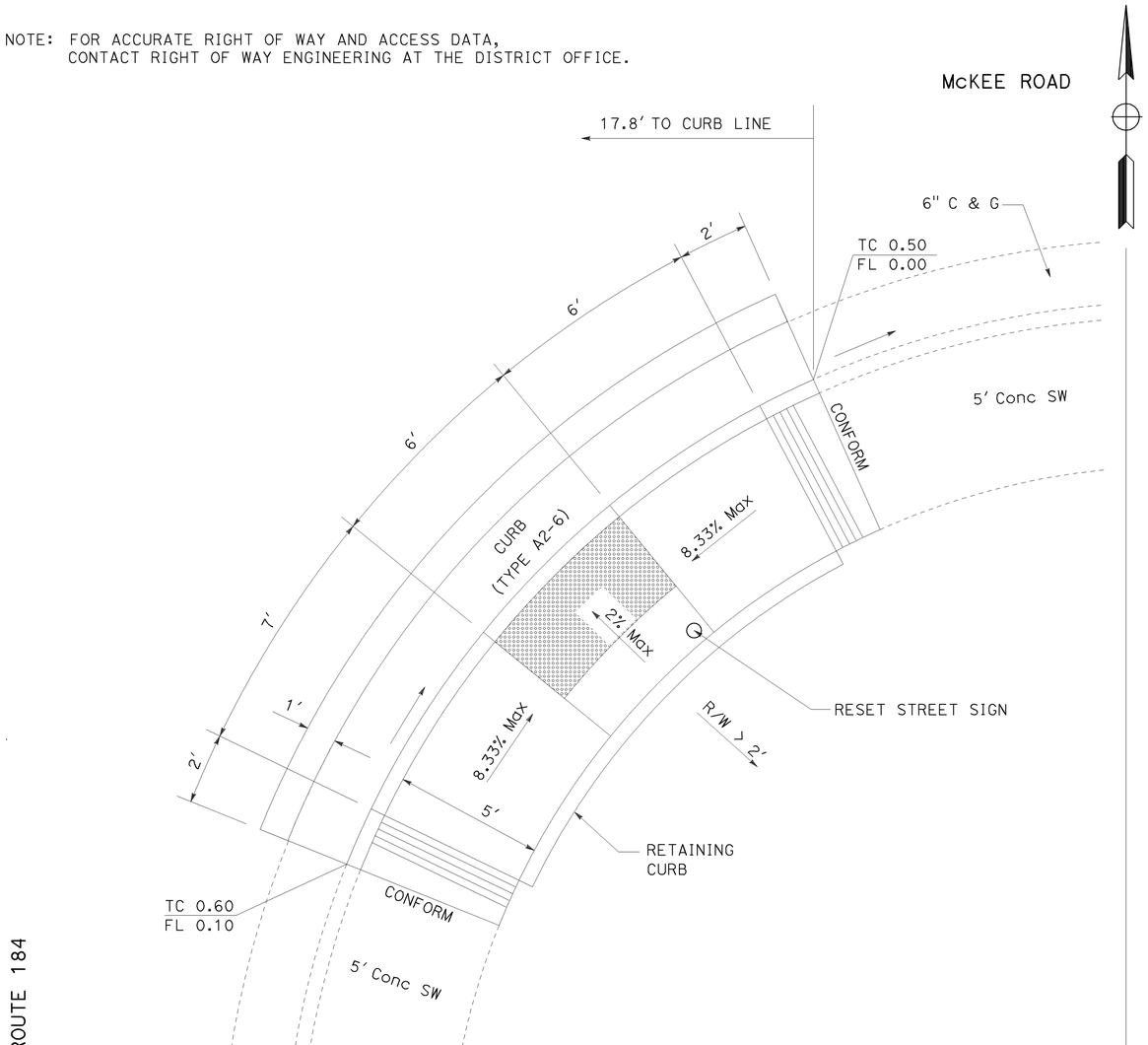
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga073.dgn
CU 06252
EA 0G9401

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



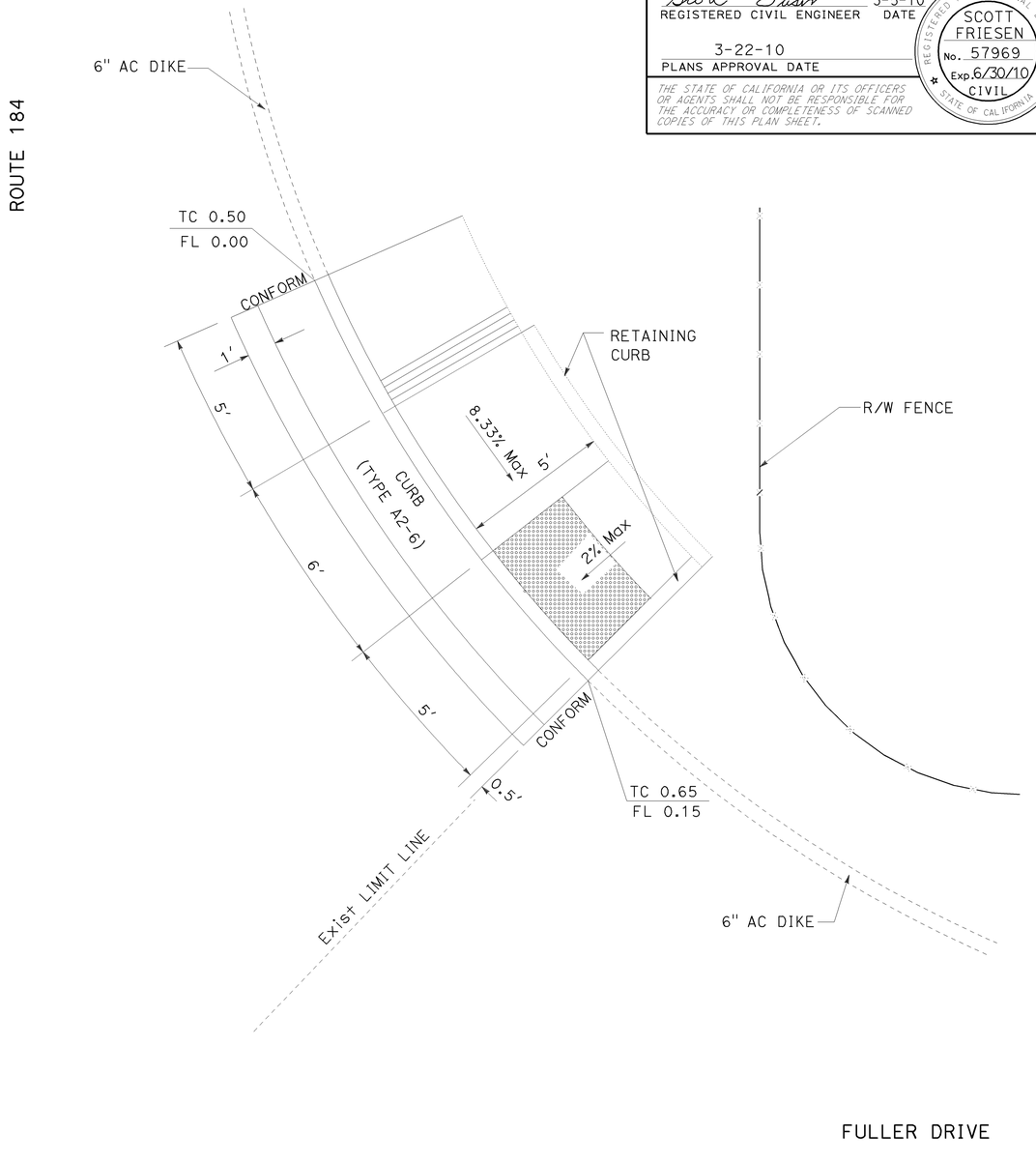
CURB RAMP No. 131

CASE C

ROUTE 184 - PM 2.53

McKEE ROAD

(SE CORNER)



CURB RAMP No. 132

MODIFIED CASE C

ROUTE 184 - PM 4.32

FULLER DRIVE

(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE **C-74**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	76	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
09-22-09 | TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ga074.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	77	129

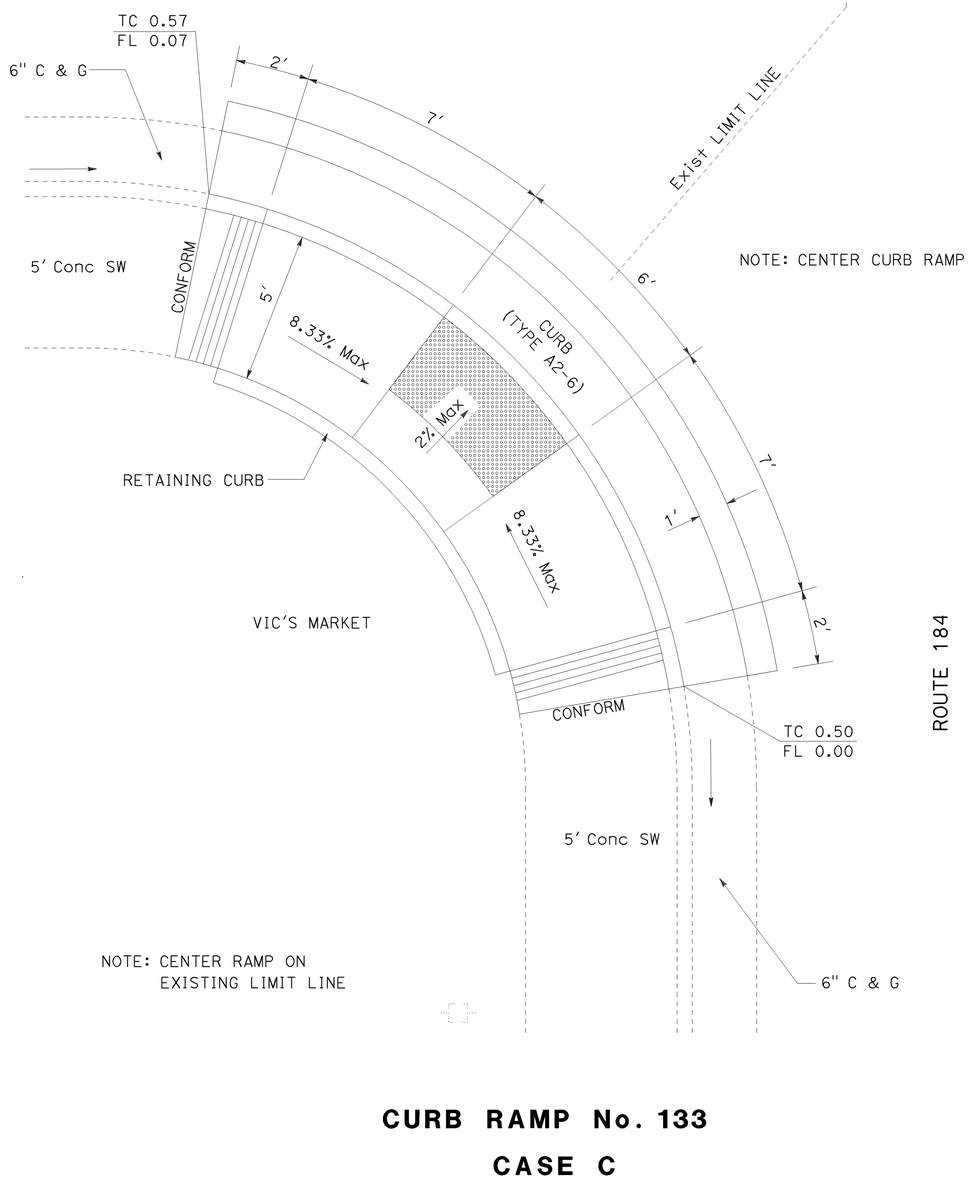
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp. 6/30/10 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.

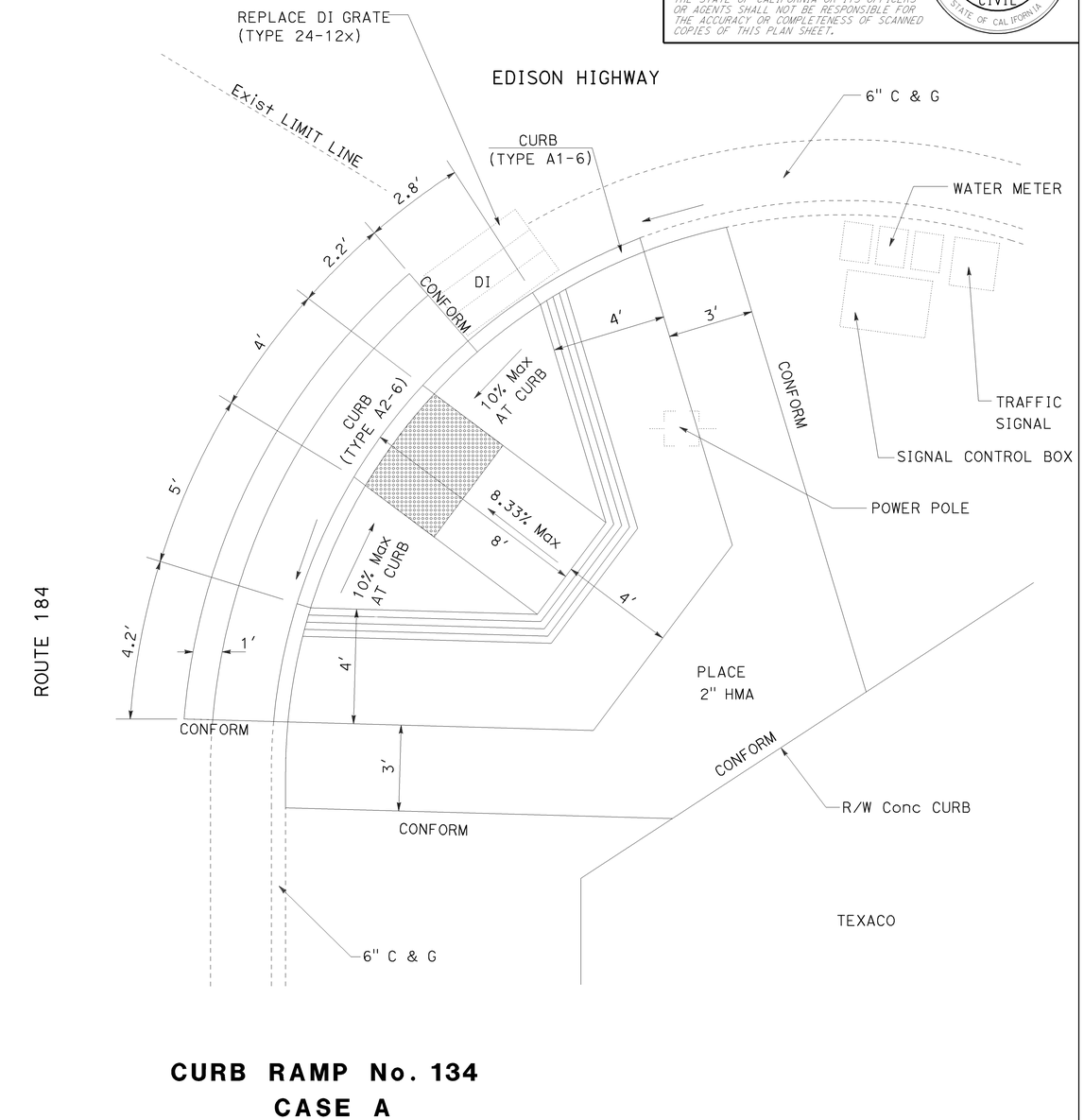
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



NOTE: CENTER CURB RAMP ON LIMIT LINE

NOTE: CENTER RAMP ON EXISTING LIMIT LINE

CURB RAMP No. 133
CASE C
ROUTE 184 - PM 5.06
HERMOSA ROAD
(SW CORNER)



CURB RAMP No. 134
CASE A
ROUTE 184 - PM 8.35
EDISON HIGHWAY
(SE CORNER)

CONSTRUCTION DETAILS

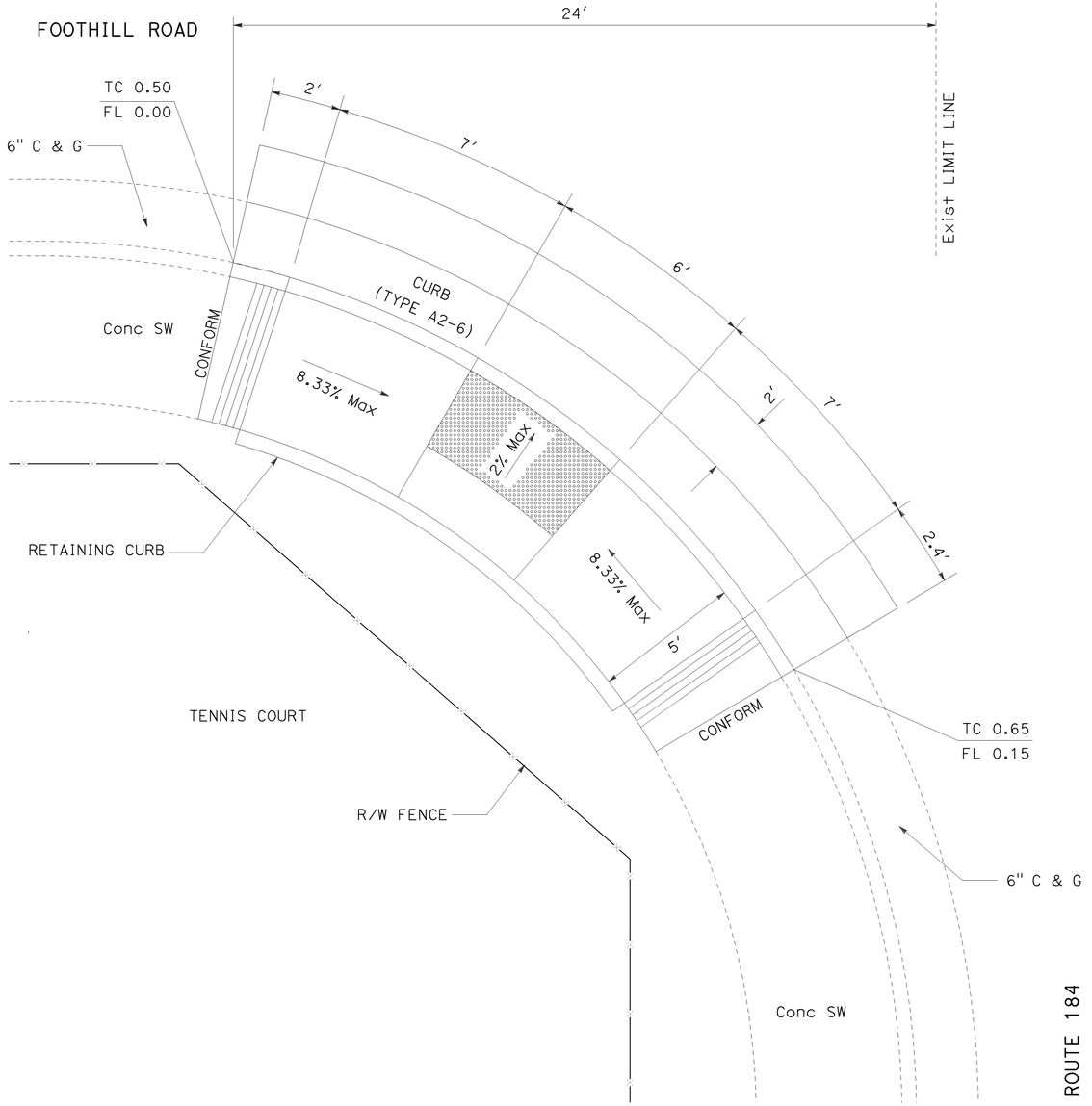
NO SCALE **C-75**

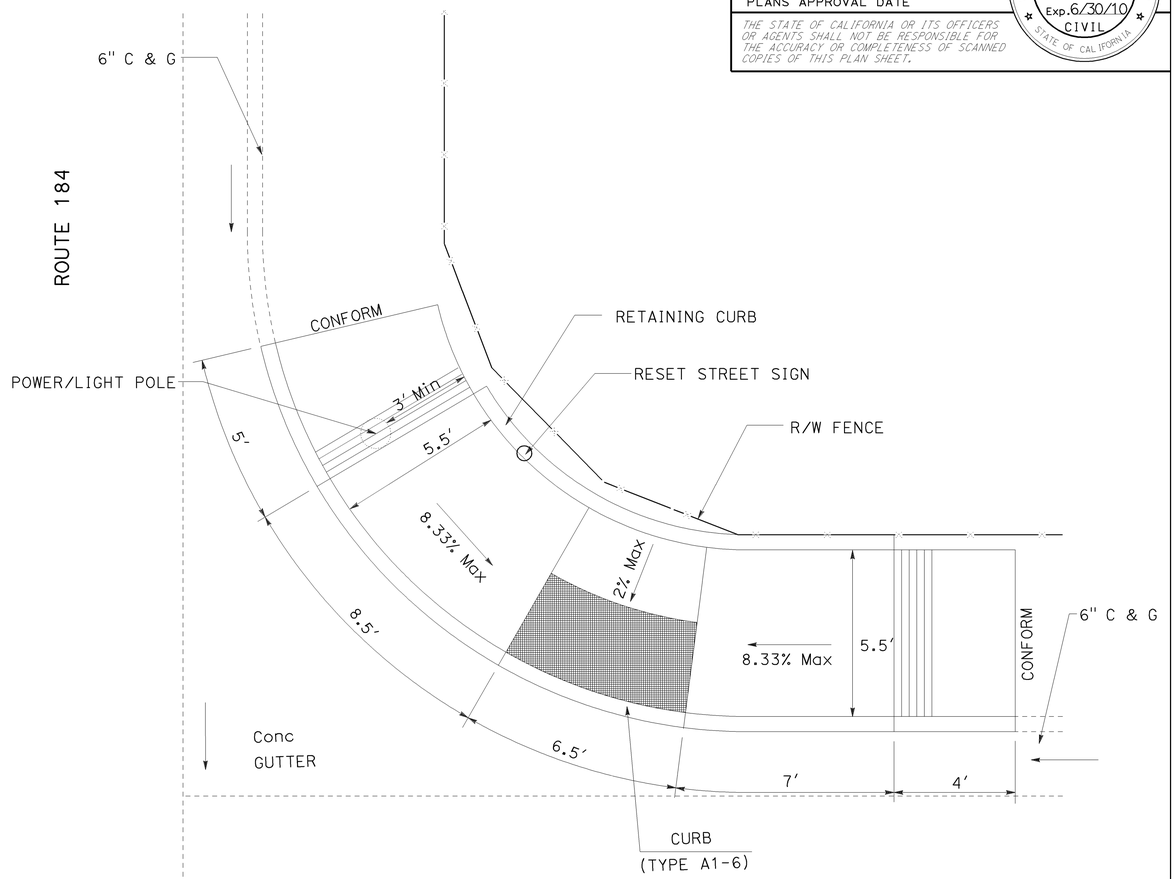
REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 09-22-09 | DATE PLOTTED => 11-APR-2010 | TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 | DGN FILE => 600940ga075.dgn | CU 06252 | EA 0G9401

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





NOTE: USE POWER/LIGHT POLE AS REFERENCE
POINT FOR CURB RAMP PLACEMENT

FILLMORE Ave

CURB RAMP No. 135
CASE C
ROUTE 184 - PM 8.98
FOOTHILL ROAD
(SW CORNER)

CURB RAMP No. 136
CASE C
ROUTE 184 - PM 9.19
FILLMORE AVENUE
(NE CORNER)

CONSTRUCTION DETAILS

NO SCALE

C-76

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	78	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp.6/30/10
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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ga076.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	79	129

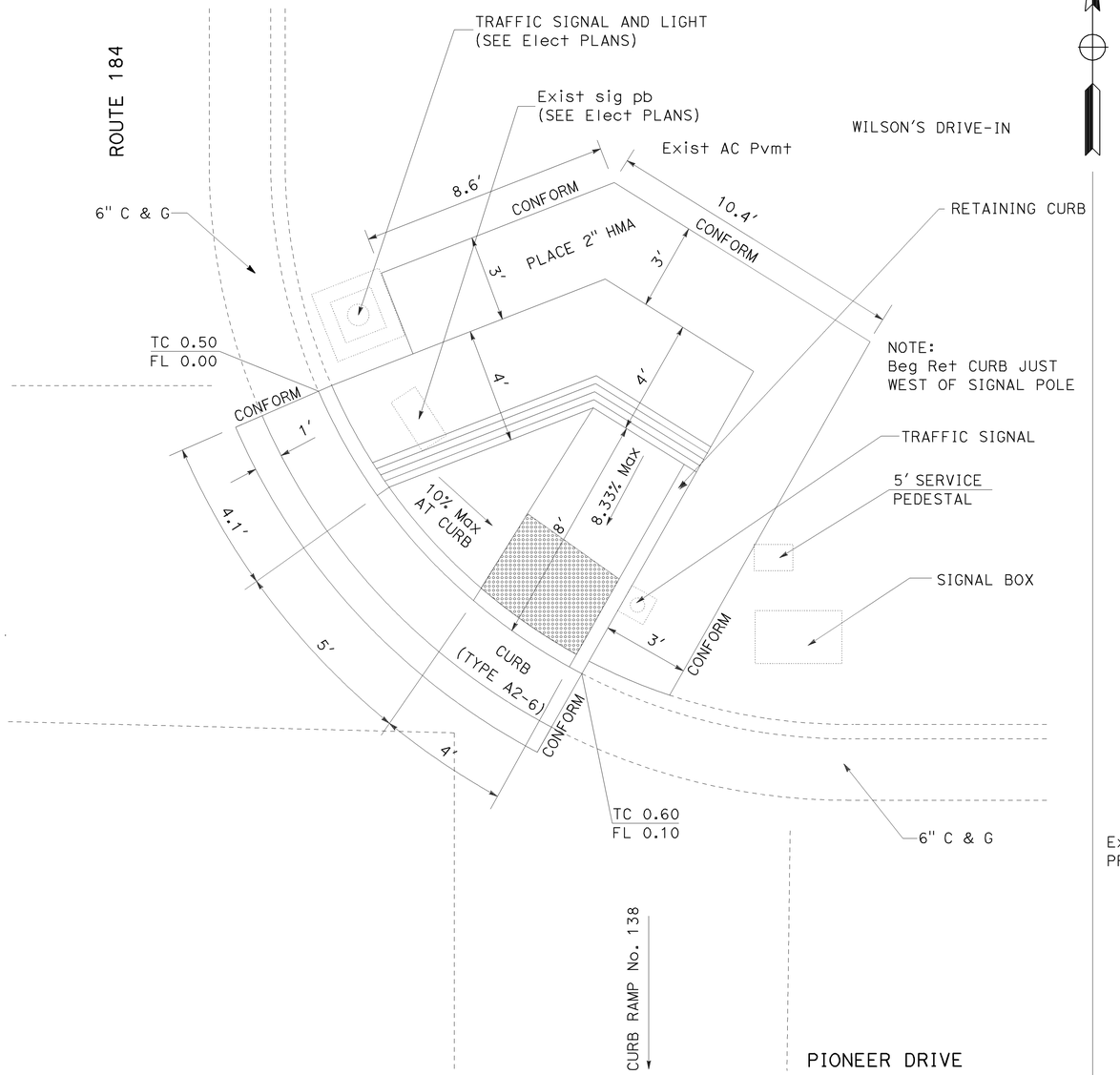
Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

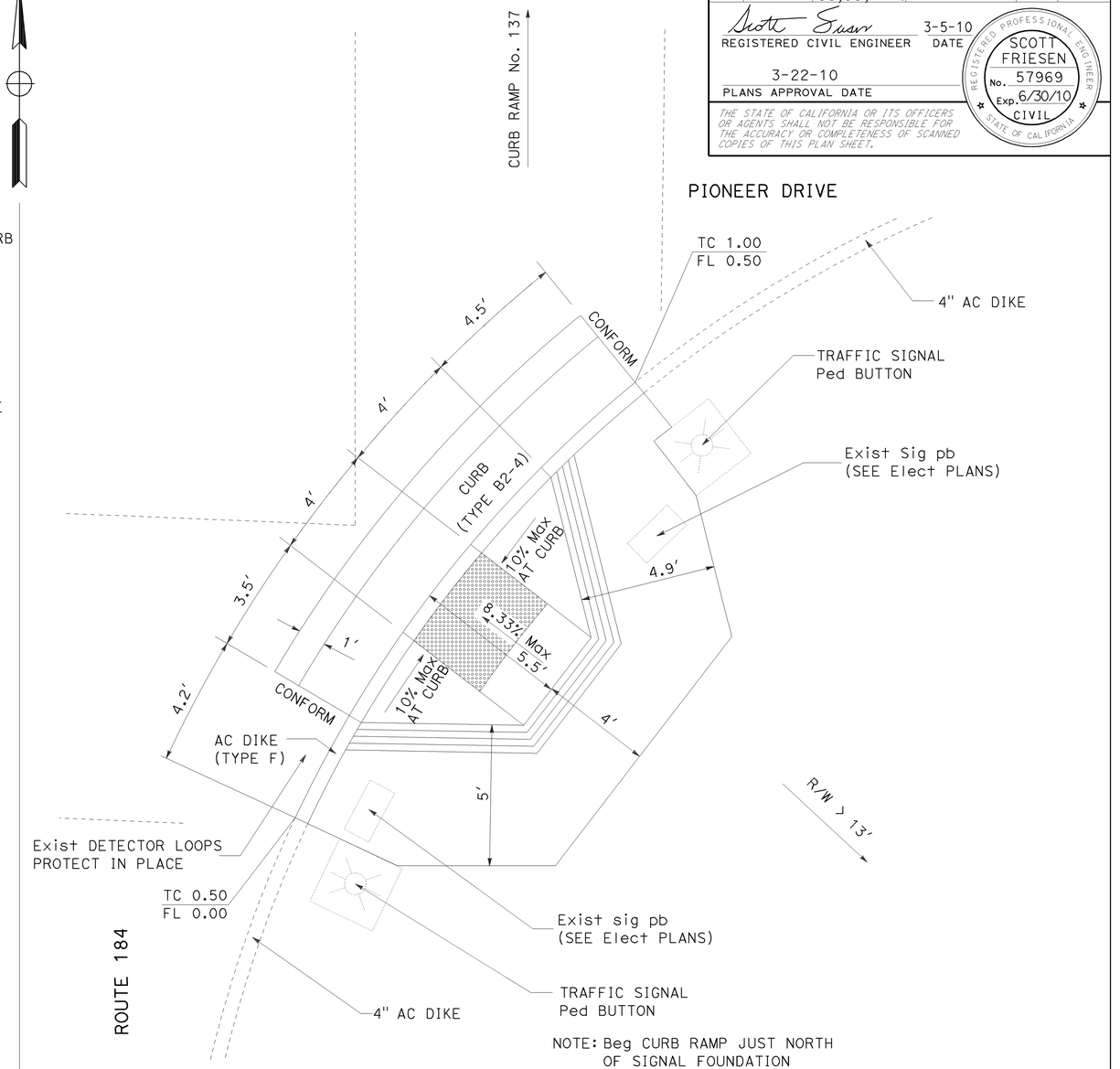
SCOTT FRIESEN No. 57969 Exp. 6/30/10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-22-10
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.

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





CURB RAMP No. 137
CASE G
ROUTE 184 - PM 9.12
PIONEER DRIVE
(NE CORNER)

CURB RAMP No. 138
CASE A
ROUTE 184 - PM 9.12
PIONEER DRIVE
(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE

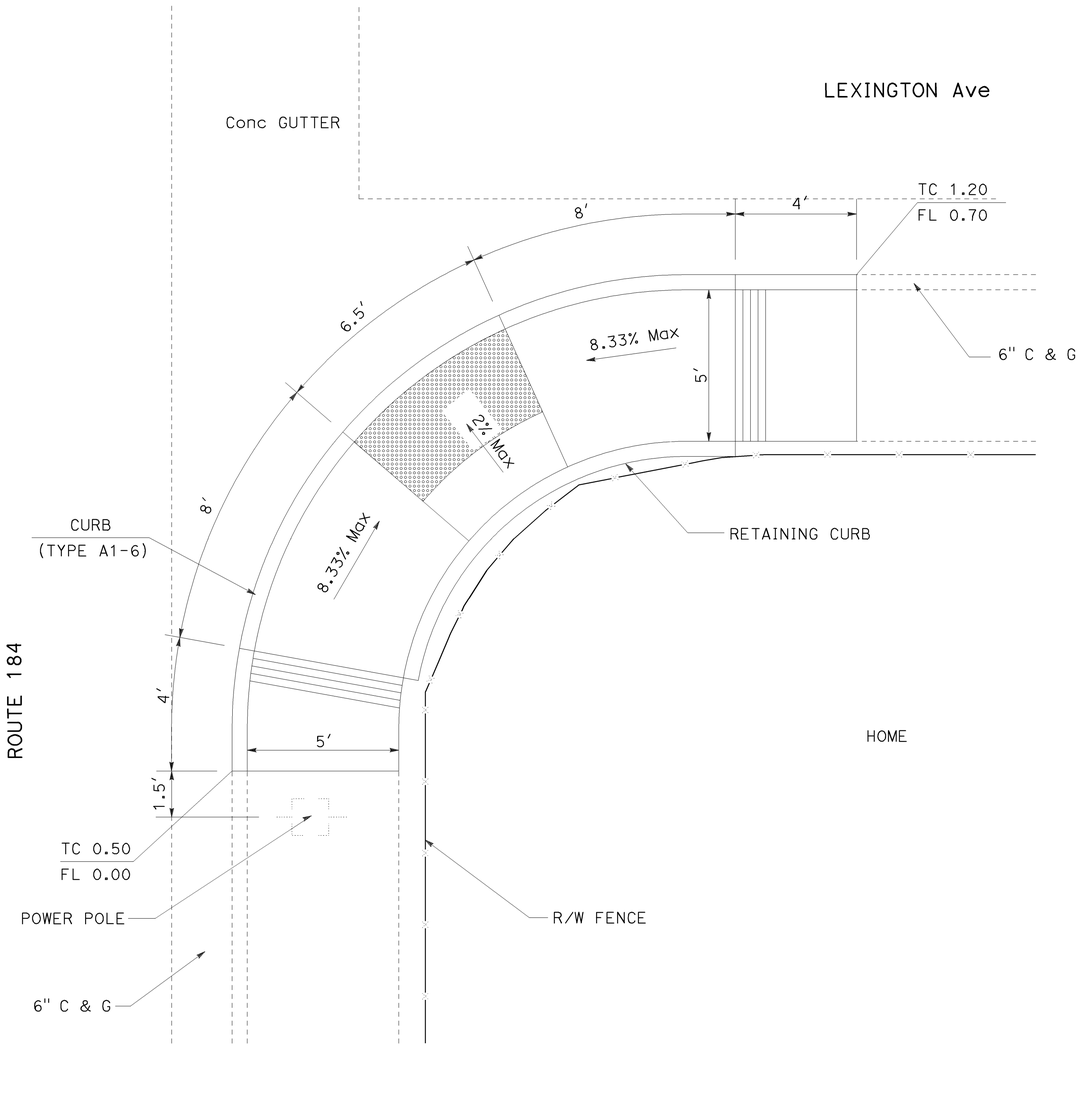
C-77

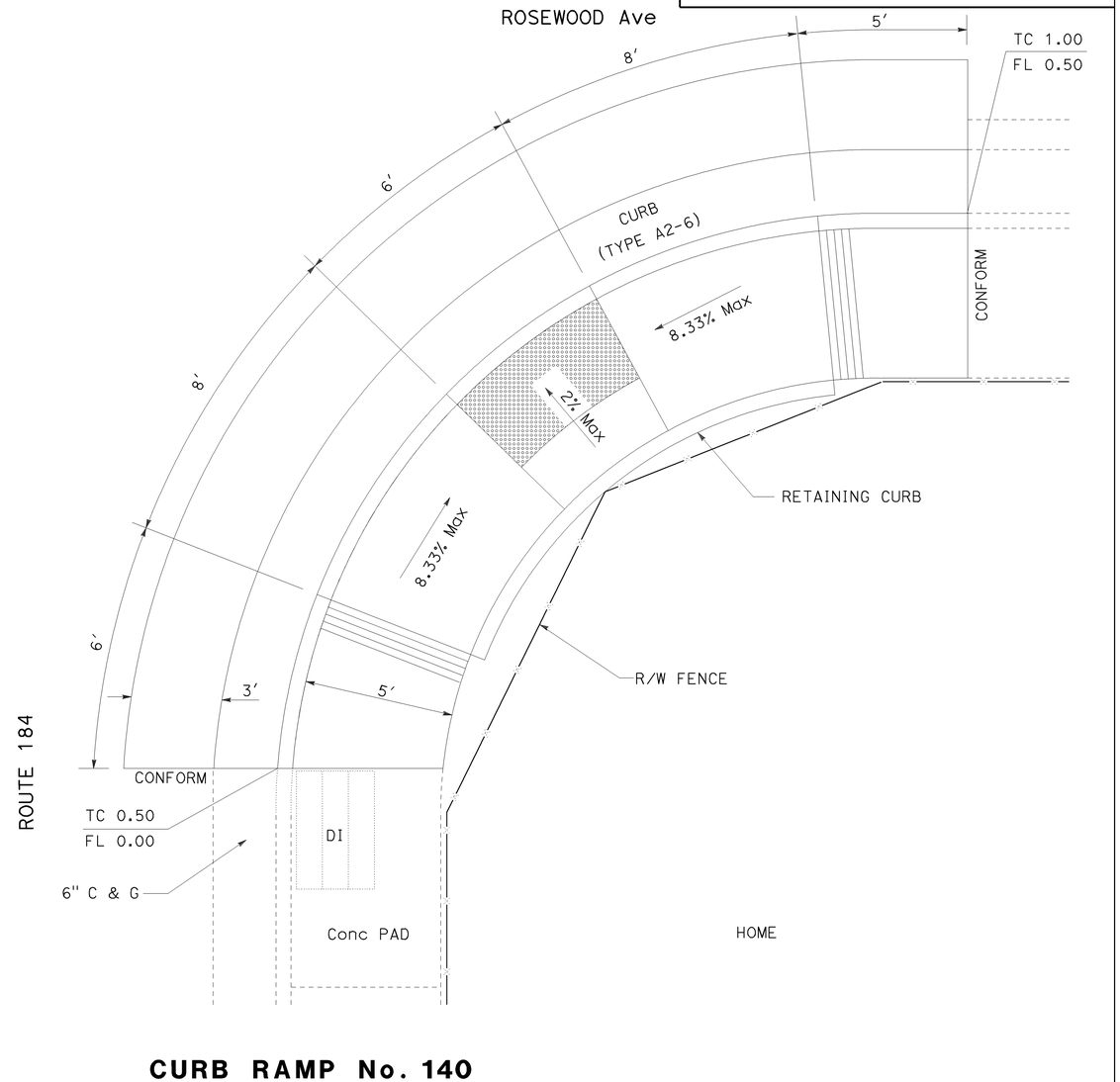
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY
CHECKED BY
TAREK CHOWDHURY
SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga077.dgn
CU 06252
EA 0G9401

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





CURB RAMP No. 139

CASE C

ROUTE 184 - PM 9.24

LEXINGTON AVENUE

(SE CORNER)

CURB RAMP No. 140

CASE C

ROUTE 184 - PM 9.37

ROSEWOOD AVENUE

(SE CORNER)

CONSTRUCTION DETAILS

NO SCALE

C-78

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	80	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
09-22-09 TIME PLOTTED => 19:03

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 606940ga078.dgn

CU 06252

EA 0G9401

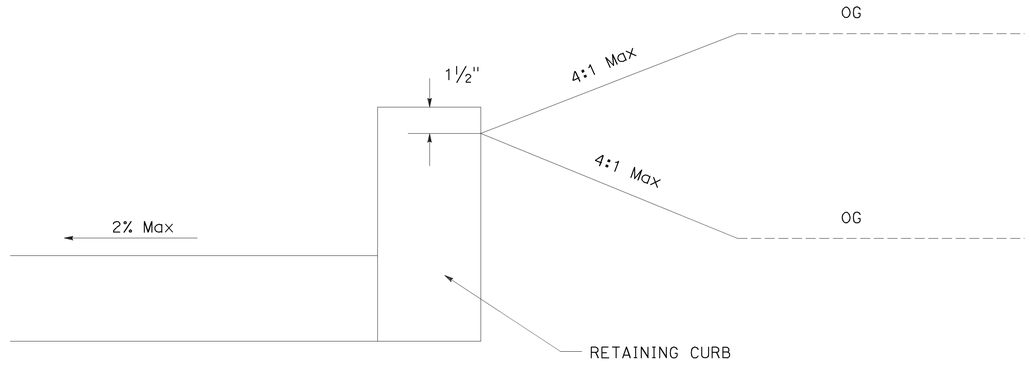
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	81	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

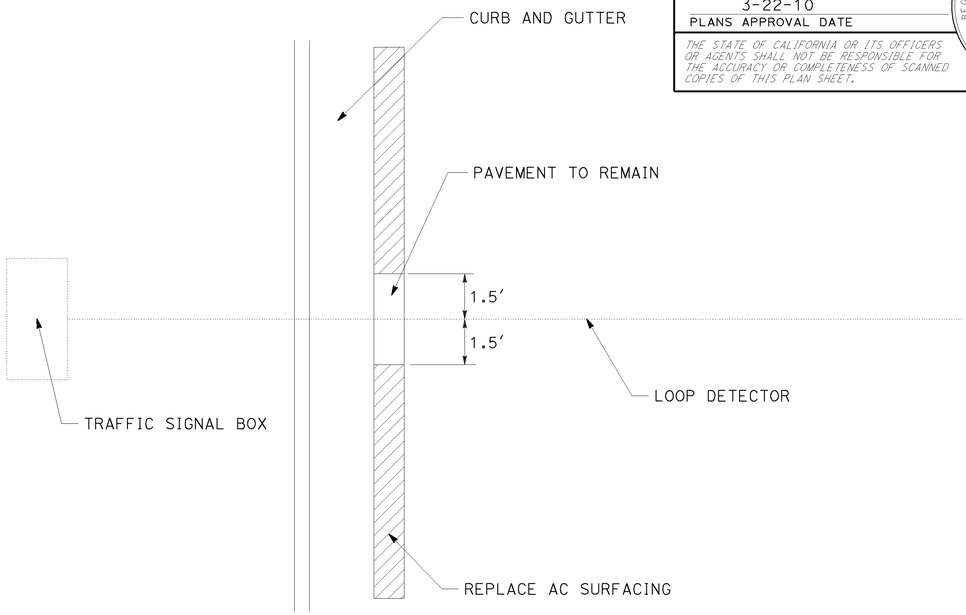
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

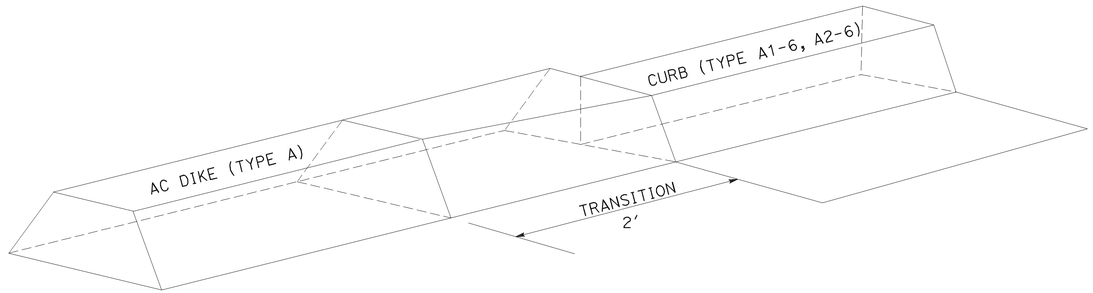
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BACK OF CURB RAMP EXCAVATION/EMBANKMENT DETAIL



DETECTOR LOOP PROTECTION DETAIL



3D VIEW

CURB/DIKE TRANSITION DETAIL

CONSTRUCTION DETAILS

NO SCALE **C-79**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED: TAREK CHOWDHURY

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:04

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ga079.dgn
CU 06252
EA 0G9401

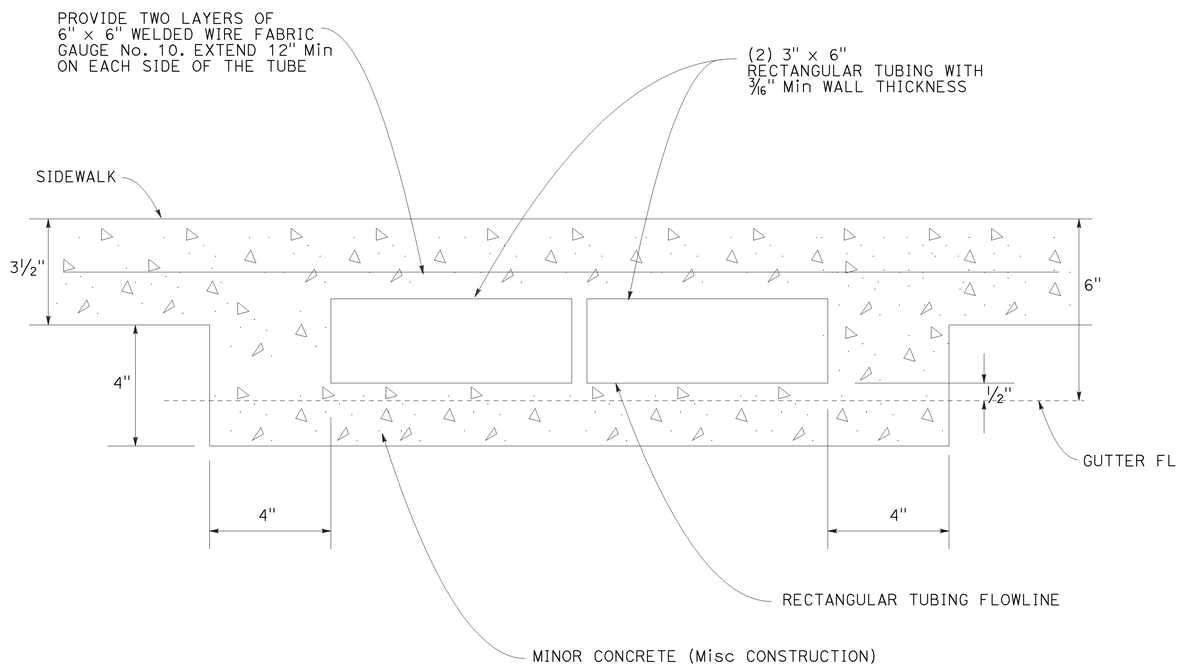
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	82	129

REGISTERED CIVIL ENGINEER 3-5-10 DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp. 6/30/10 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.



SIDEWALK DRAIN

SEE CURB RAMP No. 66

SUMMARY OF DRAINAGE QUANTITIES

CURB RAMP No.	DRAINAGE INLET				DESCRIPTION
	DI (N)	REMOVE FRAME AND GRATE (N)	MINOR CONCRETE (MINOR STRUCTURE)	Misc IRON AND STEEL	
	EA	EA	CY	POUND	
66	1		0.2	125	SIDEWALK DRAIN
134	1	1		192	FRAME AND GRATE (TYPE 24-12x)
TOTALS			0.2	317	

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

DRAINAGE DETAILS AND QUANTITIES

NO SCALE

DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION 09-22-09
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	83	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

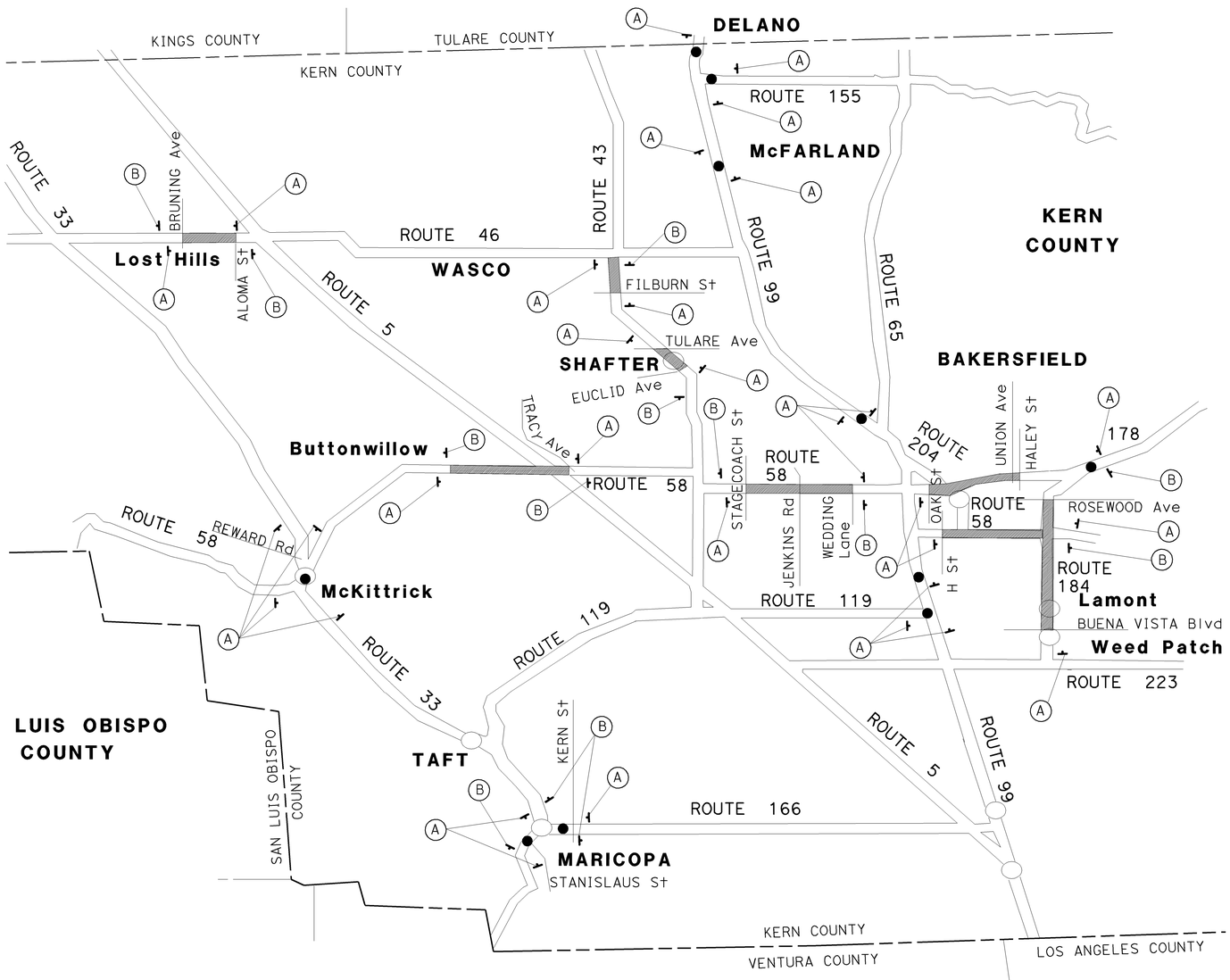
REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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.

CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No. OF POST AND SIZE	No. OF SIGNS
A	W20-1	ROAD WORK AHEAD	36" x 36"	1 - 4" x 6"	28
B	G20-2	END ROAD WORK	36" x 18"	1 - 4" x 4"	15

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SANDY LE
CHECKED BY: ALICIA RODRIGUEZ
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
03-17-10 | TIME PLOTTED => 19:04

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 0G09401a001.dgn

CU 06386

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	84	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

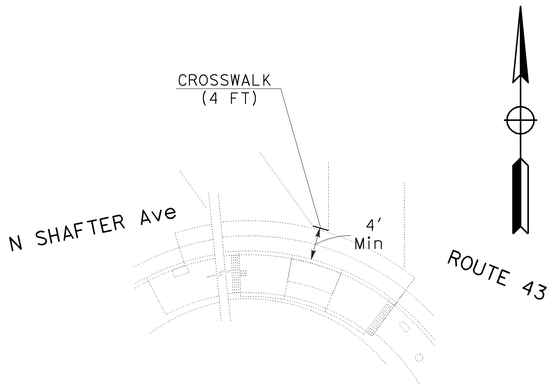
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

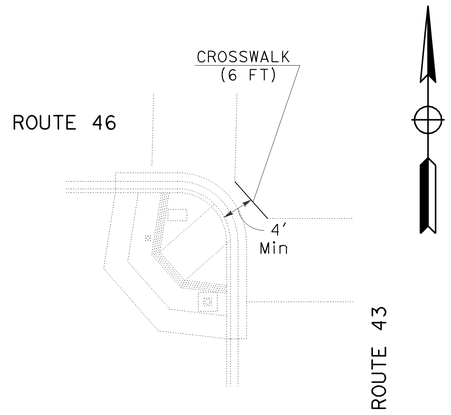
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

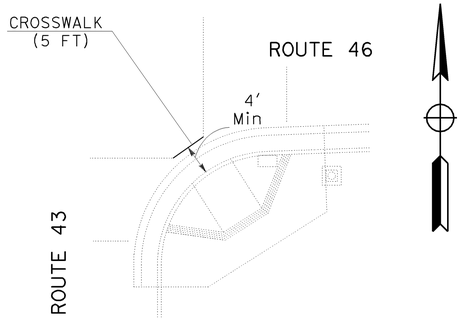
- TYPE I (24 FT) ARROW
- TYPE III (L) ARROW
- TYPE III (R) ARROW
- STOP "STOP" PAVEMENT MARKING



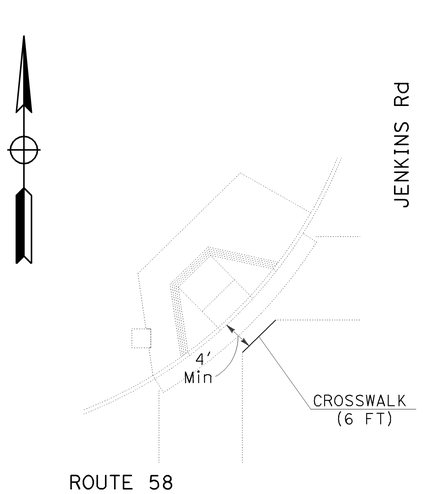
CURB RAMP No. 5



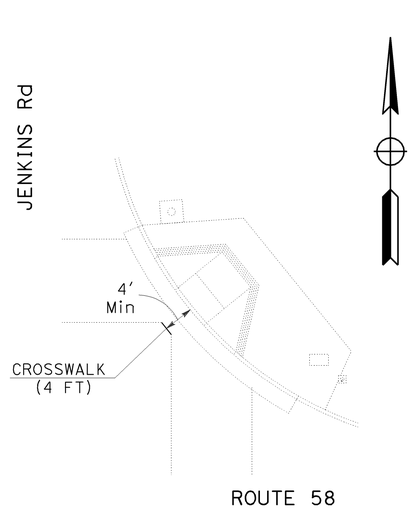
CURB RAMP No. 12



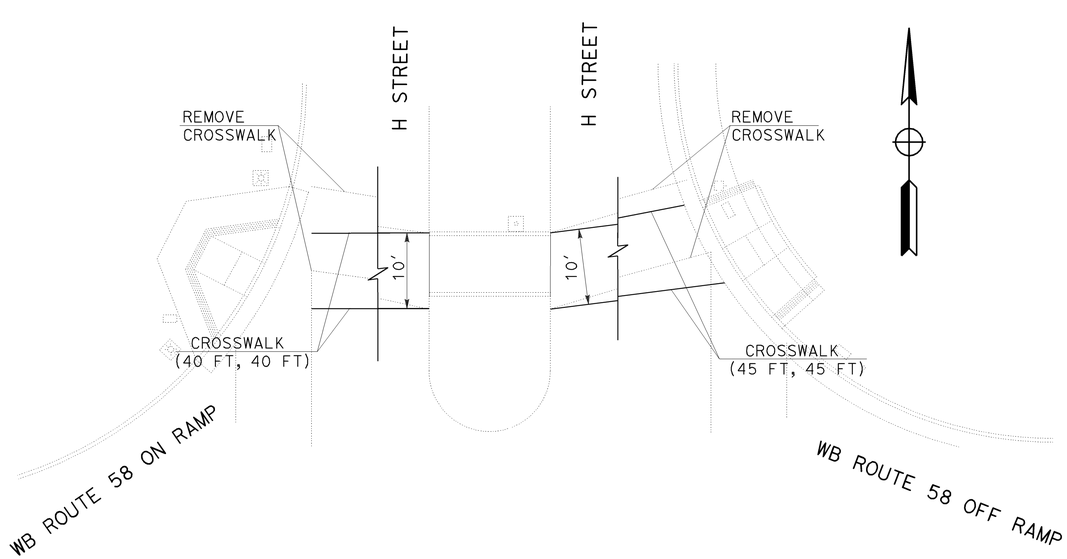
CURB RAMP No. 13



CURB RAMP No. 35



CURB RAMP No. 36



CURB RAMP No. 50 & 51

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

NO SCALE

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: ALICIA RODRIGUEZ
CHECKED BY: SANDY LE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:04
03-17-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940na001.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	85	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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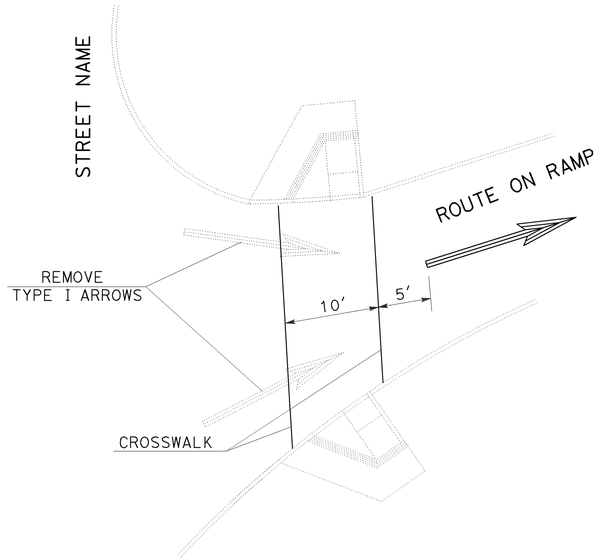
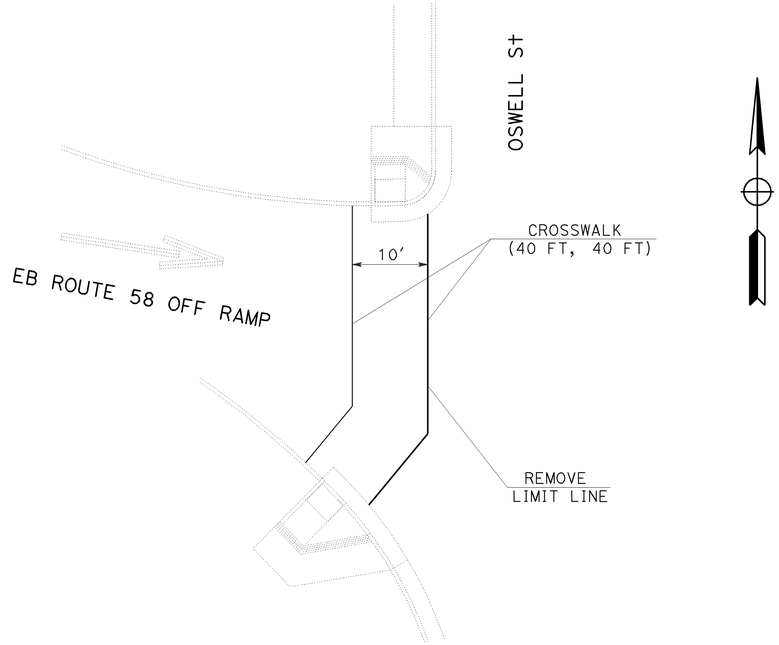
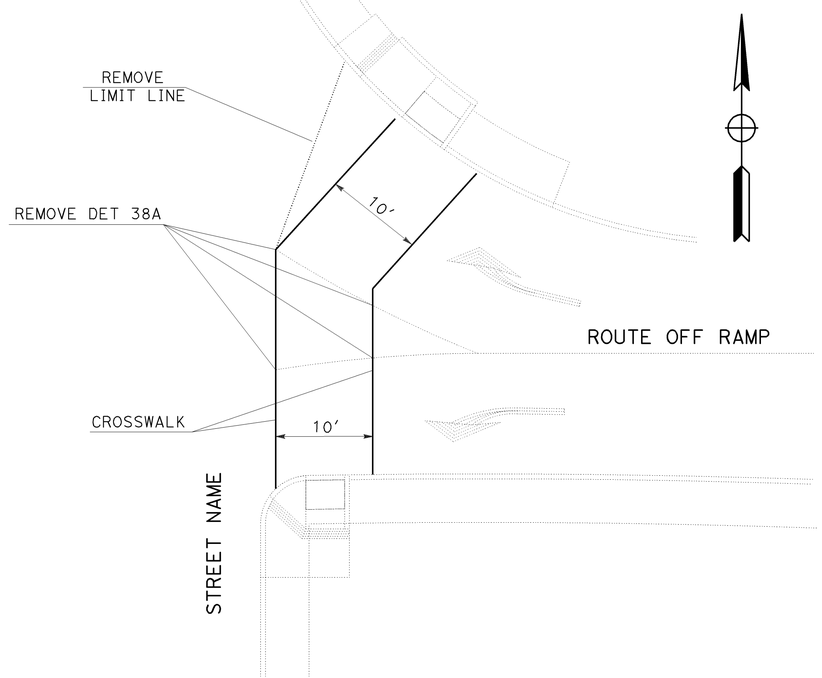


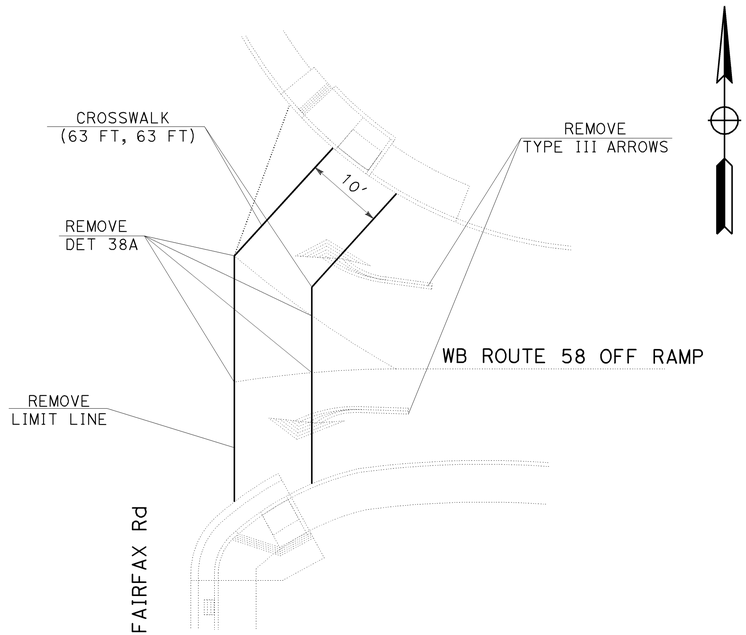
TYPICAL FOR CURB RAMP
No. 57, 58, 61, 62, 65, 66, 67, & 68



CURB RAMP No. 59 & 60



CURB RAMP No. 55, 56, 63, & 64



CURB RAMP No. 70

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

NO SCALE

PD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI
CALCULATED-DESIGNED BY: ALICIA RODRIGUEZ
CHECKED BY: SANDY LE
REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 11-APR-2010; TIME PLOTTED => 19:04
03-17-10

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940na002.dgn

CU 06386

EA 0G9401

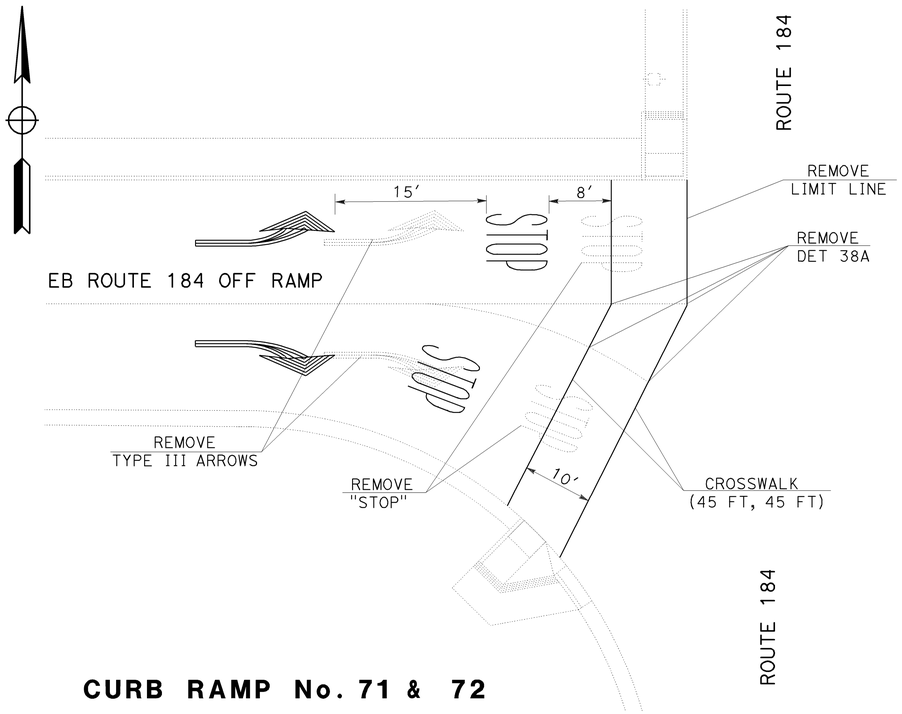
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	86	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

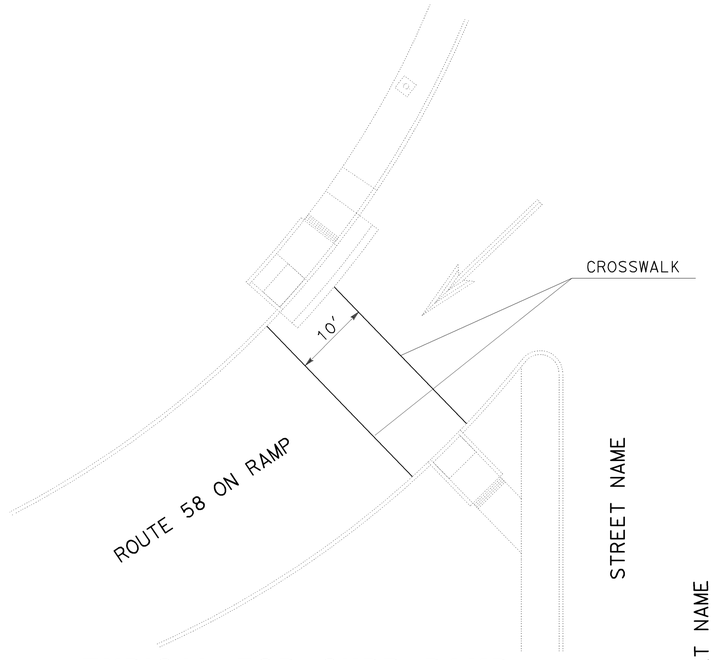
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

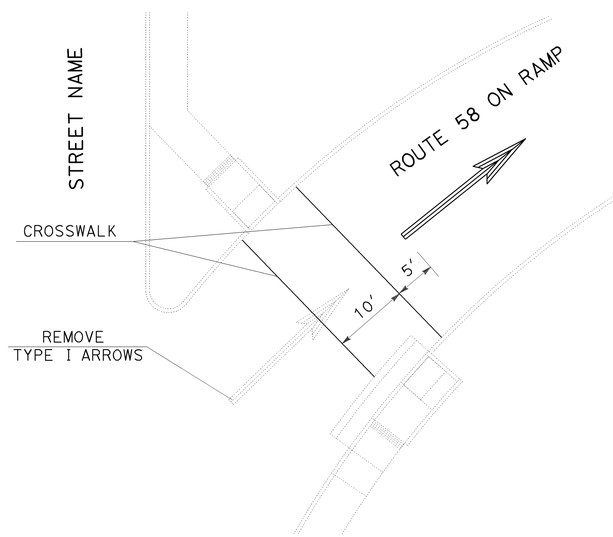
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



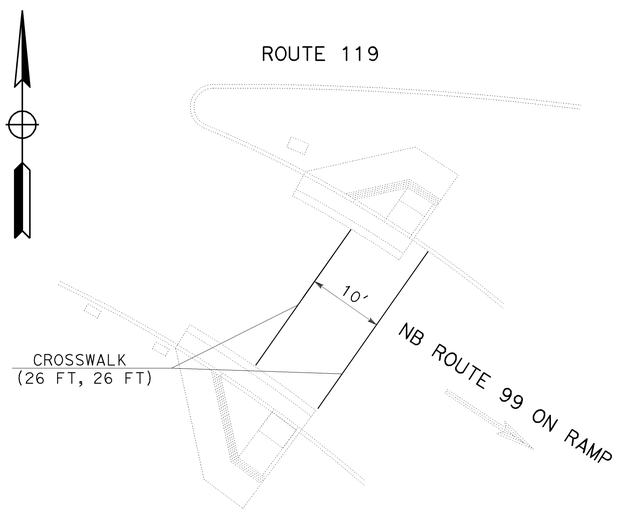
CURB RAMP No. 71 & 72



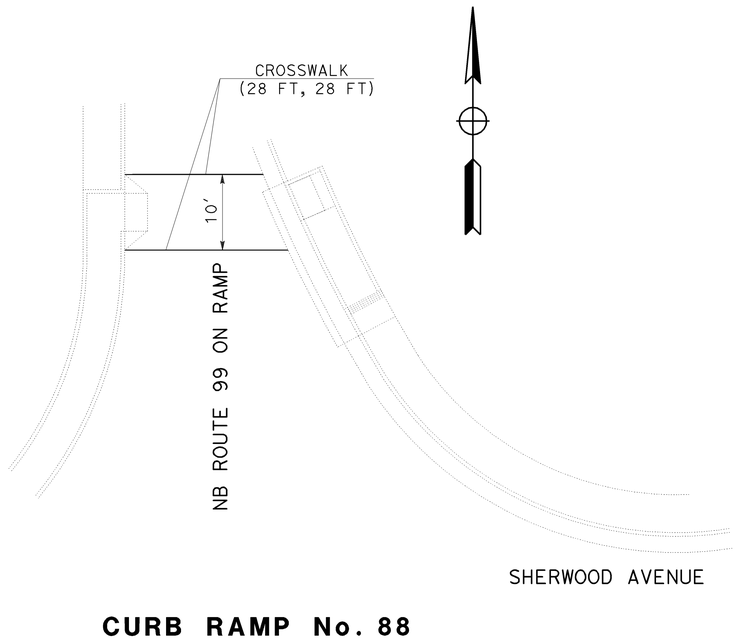
TYPICAL FOR CURB RAMP No. 73, 74, 77, & 78



TYPICAL FOR CURB RAMP No. 52, 53, 69, 75, 76, 81, & 82



CURB RAMP No. 83 & 84



CURB RAMP No. 88

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

NO SCALE **PD-3**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: ALICIA RODRIGUEZ
CHECKED BY: SANDY LE
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:04
03-17-10

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940na003.dgn

CU 06386

EA 0G9401

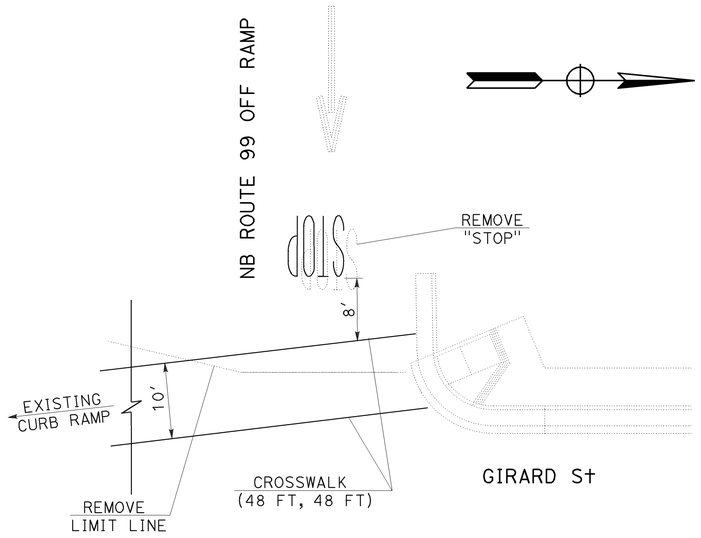
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	87	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

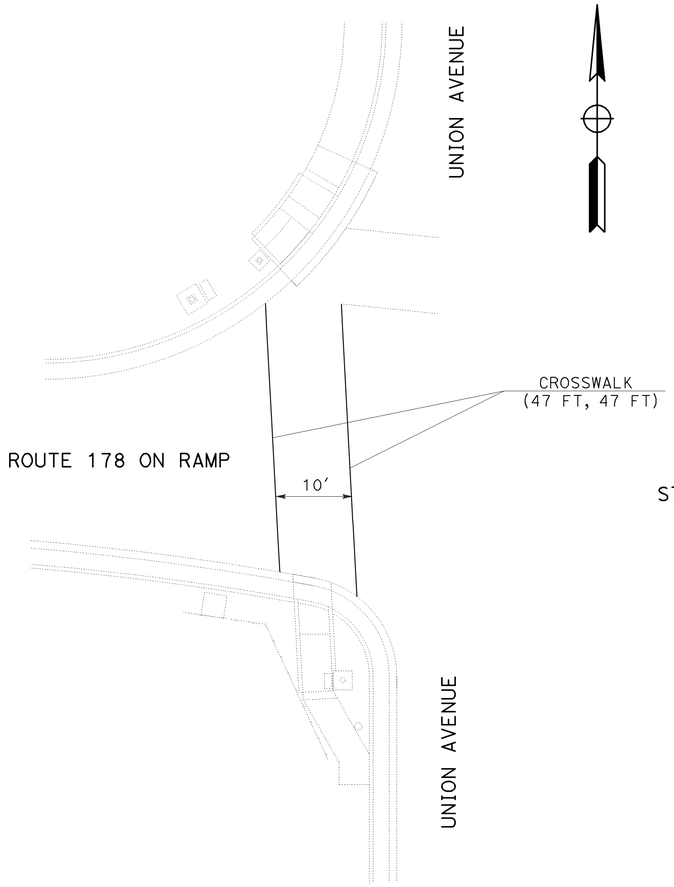
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SANDY L. LE No. 67065 Exp. 9/30/10 CIVIL — STATE OF CALIFORNIA

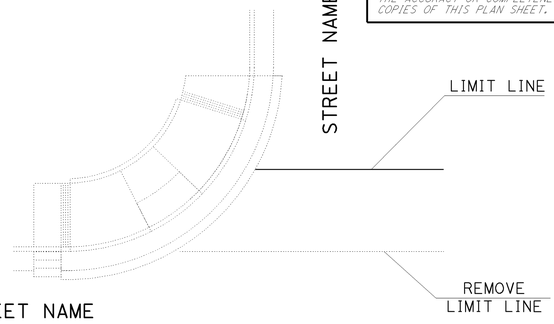
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



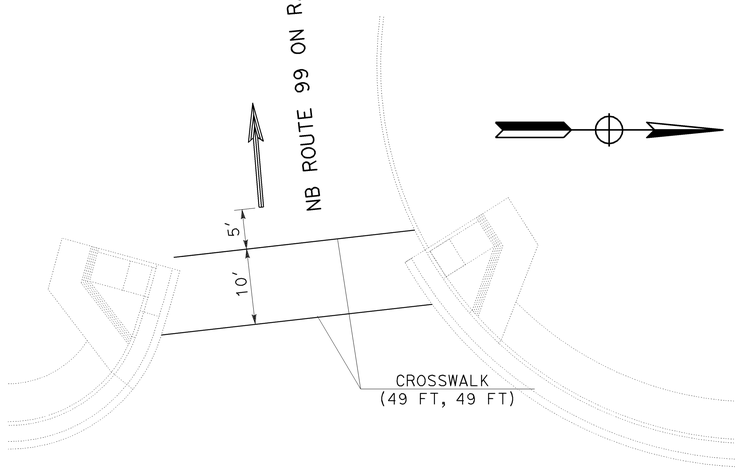
CURB RAMP No. 90



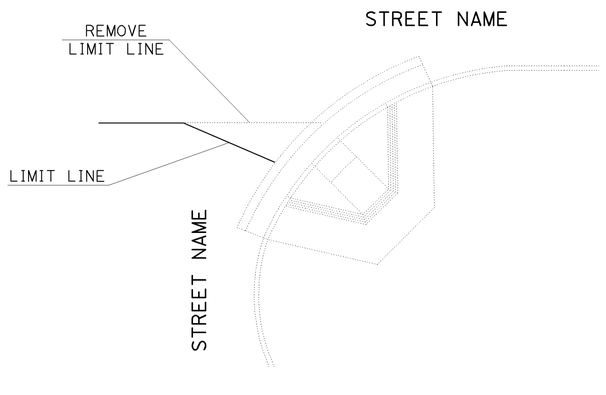
CURB RAMP No. 125 & 126



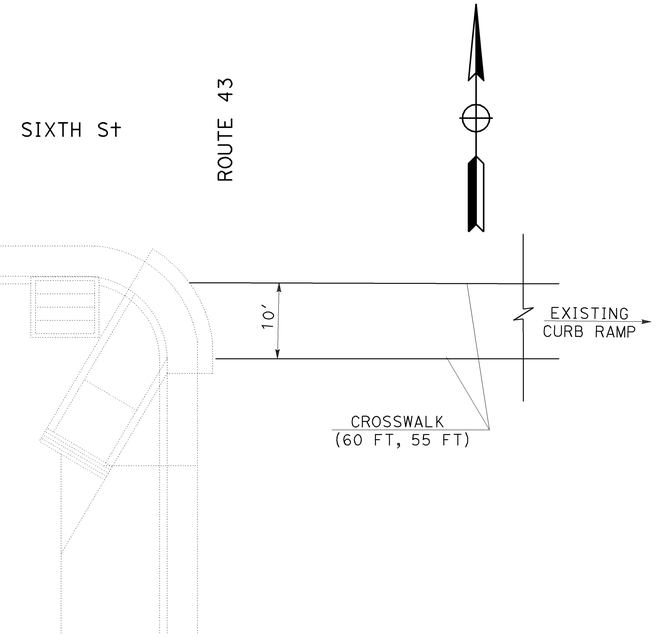
TYPICAL PLACEMENT OF LIMIT LINE FOR CURB RAMP No. 6, 23, 41, 43, 102, 108, 114, & 130



CURB RAMP No. 89 & 91



TYPICAL PLACEMENT OF LIMIT LINE FOR CURB RAMP No. 33, 40, 46, 48, & 133



CURB RAMP No. 10

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

NO SCALE **PD-4**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: ALICIA RODRIGUEZ
CHECKED BY: SANDY LE
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 11-APR-2010 TIME PLOTTED => 19:04
03-17-10

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940na004.dgn

CU 06386

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	88	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
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.

PAVEMENT DELINEATION QUANTITIES

SHEET No.	CURB RAMP No.	DETAIL No.	REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC PAVEMENT MARKING
			LF	DESCRIPTION	SQFT	SQFT
PD-1	5			1 - CROSSWALK (4 FT)	4	
PD-1	12			1 - CROSSWALK (6 FT)	6	
PD-1	13			1 - CROSSWALK (5 FT)	5	
PD-1	35			1 - CROSSWALK (6 FT)	6	
PD-1	36			1 - CROSSWALK (4 FT)	4	
PD-1	50			1 - CROSSWALK (40 FT, 40 FT)	80	80
PD-1	51			1 - CROSSWALK (45 FT, 45 FT)	90	90
PD-2	55 & 56	38A	40			
PD-2	55 & 56			1 - CROSSWALK (53 FT, 53 FT)	106	
PD-2	55 & 56			1 - LIMIT LINE (54 FT)		54
PD-2	57 & 58			1 - CROSSWALK (52 FT, 52 FT)	104	
PD-2	57 & 58			2 - TYPE I ARROWS (24 FT)		62
PD-2	57 & 58			1 - TYPE I ARROW (24 FT)	31	
PD-2	59 & 60			1 - LIMIT LINE (40 FT)		40
PD-2	59 & 60			1 - CROSSWALK (40 FT, 40 FT)	80	
PD-2	61 & 62			1 - CROSSWALK (60 FT, 60 FT)	120	
PD-2	61 & 62			2 - TYPE I ARROWS (24 FT)		62
PD-2	61 & 62			1 - TYPE I ARROW (24 FT)	31	
PD-2	63 & 64	38A	40			
PD-2	63 & 64			1 - LIMIT LINE (54 FT)		54
PD-2	63 & 64			1 - CROSSWALK (54 FT, 54 FT)	108	
PD-2	65 & 66			2 - TYPE I ARROWS (24 FT)		62
PD-2	65 & 66			1 - CROSSWALK (53 FT, 53 FT)	106	
PD-2	65 & 66			1 - TYPE I ARROW (24 FT)	31	
PD-2	67 & 68			2 - TYPE I ARROWS (24 FT)		62
PD-2	67 & 68			1 - CROSSWALK (60 FT, 60 FT)	120	
PD-2	67 & 68			1 - TYPE I ARROW (24 FT)	31	
PD-2	70	38A	20			
PD-2	70			1 - LIMIT LINE (63 FT)		63
PD-2	70			1 - TYPE III (R) ARROW		42
PD-2	70			1 - TYPE III (L) ARROW		42
PD-2	70			1 - CROSSWALK (63 FT, 63 FT)	126	
PD-3	71 & 72	38A	40			
PD-3	52			1 - CROSSWALK (36 FT, 36 FT)	72	
PD-3	52			1 - TYPE I ARROW (24 FT)	31	31
PD-3	53			1 - TYPE I ARROW (24 FT)	31	31
PD-3	53			1 - CROSSWALK (23 FT, 23 FT)	46	
PD-3	69			1 - CROSSWALK (52 FT, 52 FT)	104	
PD-3	69			1 - TYPE I ARROW (24 FT)	31	31
PD-3	71 & 72			1 - LIMIT LINE (45 FT)		45
PD-3	71 & 72			1 - CROSSWALK (45 FT, 45 FT)	90	
PD-3	71 & 72			2 - "STOP"	44	44
PD-3	71 & 72			2 - TYPE III (R) ARROW	42	42
PD-3	71 & 72			2 - TYPE III (L) ARROW	42	42
PD-3	73 & 74			1 - CROSSWALK (31 FT, 31 FT)	62	
PD-3	75 & 76			1 - TYPE I (24 FT) ARROW	31	31
PD-3	75 & 76			1 - CROSSWALK (24 FT, 24 FT)	48	
PD-3	77 & 78			1 - CROSSWALK (23 FT, 23 FT)	46	
PD-3	81 & 82			1 - TYPE I ARROW (24 FT)	31	31
PD-3	81 & 82			1 - CROSSWALK (25 FT, 25 FT)	50	
PD-3	83 & 84			1 - CROSSWALK (26 FT, 26 FT)	52	
PD-3	88			1 - CROSSWALK (28 FT, 28 FT)	56	
PD-4	89 & 91			1 - CROSSWALK (49 FT, 49 FT)	98	
PD-4	89 & 91			1 - TYPE I (24 FT) ARROW	31	
PD-4	90			1 - LIMIT LINE (48 FT)		48
PD-4	90			1 - "STOP"	22	22
PD-4	90			1 - CROSSWALK (48 FT, 48 FT)	96	
PD-4	125 & 126			1 - CROSSWALK (47 FT, 47 FT)	94	
PD-4	6			1 - LIMIT LINE (31 FT)	31	31
PD-4	23			1 - LIMIT LINE (26 FT)	26	26
PD-4	41			1 - LIMIT LINE (25 FT)	25	25
PD-4	43			1 - LIMIT LINE (22 FT)	22	22
PD-4	102			1 - LIMIT LINE (34 FT)	34	34
PD-4	108			1 - LIMIT LINE (23 FT)	23	23
PD-4	114			1 - LIMIT LINE (22 FT)	22	22
PD-4	130			1 - LIMIT LINE (23 FT)	23	23
PD-4	33			1 - LIMIT LINE (39 FT)	39	42
PD-4	40			1 - LIMIT LINE (30 FT)	30	28
PD-4	46			1 - LIMIT LINE (30 FT)	30	26
PD-4	48			1 - LIMIT LINE (30 FT)	30	22
PD-4	133			1 - LIMIT LINE (60 FT)	60	57
PD-4	10			1 - CROSSWALK (55 FT, 60 FT)	115	
TOTAL			140		2949	1492

REVISED BY | DATE REVISED
ALICIA RODRIGUEZ | SANDY LE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

PAVEMENT DELINEATION QUANTITIES

PDQ-1

LAST REVISION | DATE PLOTTED => 11-APR-2010
03-17-10 | TIME PLOTTED => 19:04

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940nc001.dgn

CU 06386

EA 0G9401

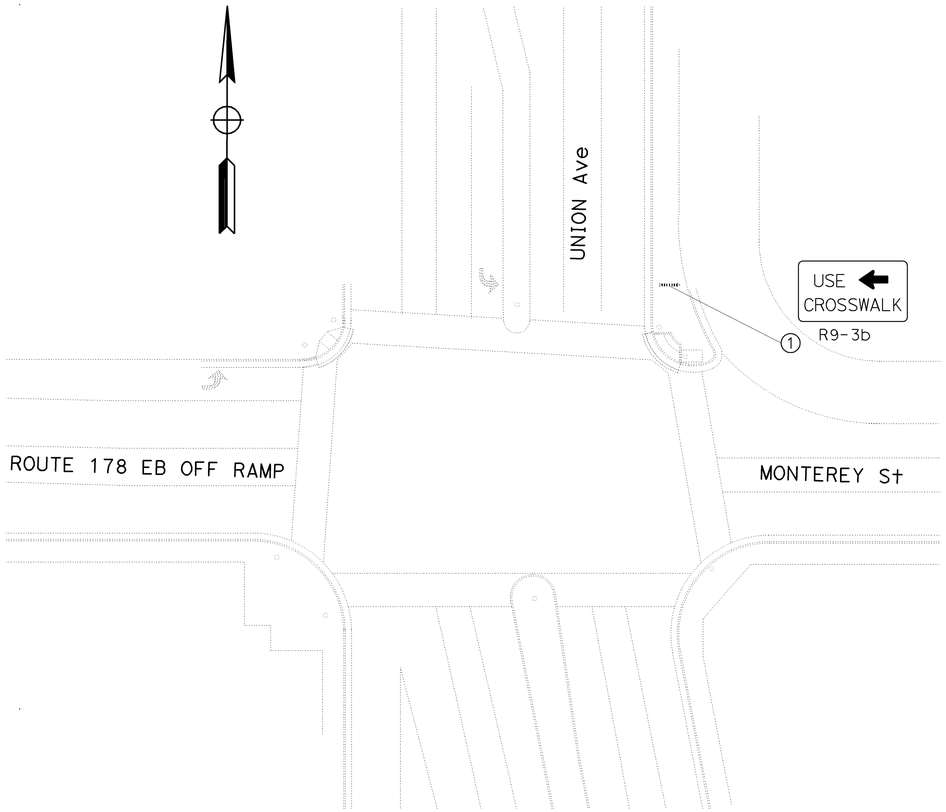
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	89	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

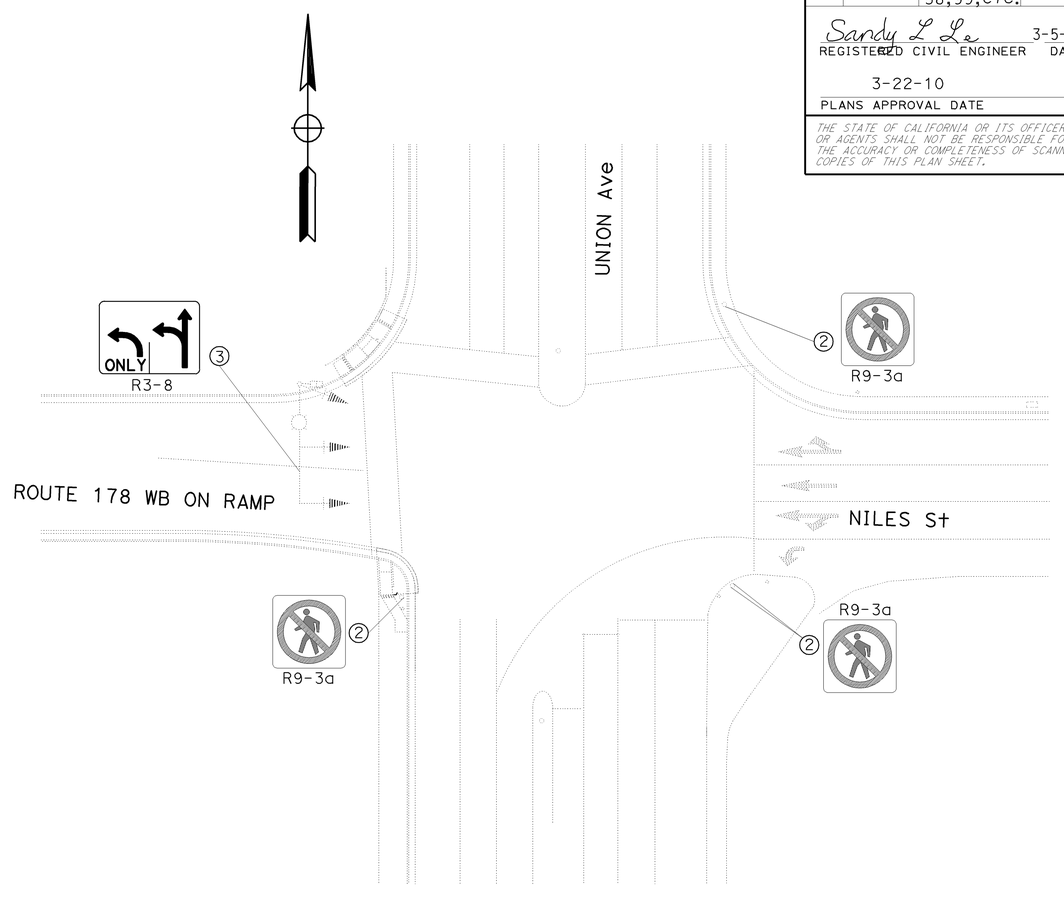
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

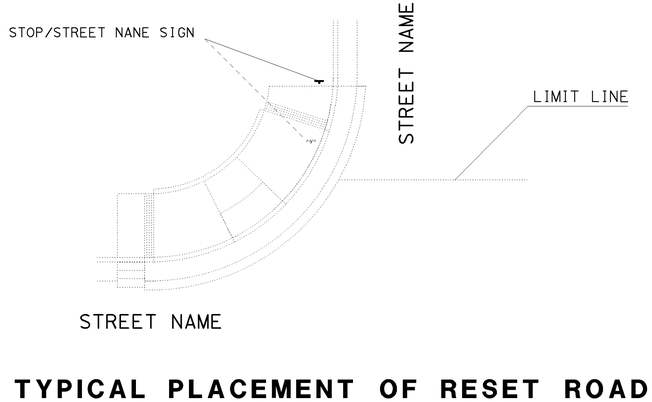
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



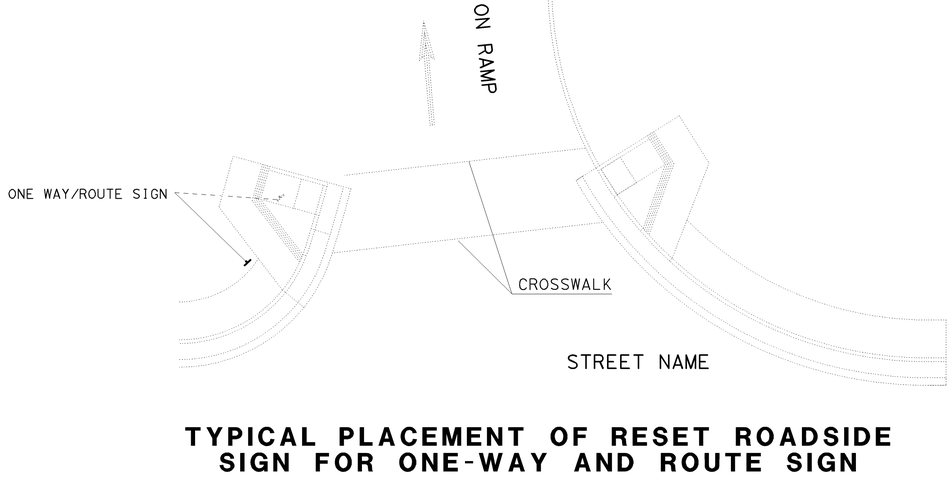
CURB RAMP No. 127 & 128



CURB RAMP No. 125 & 126



TYPICAL PLACEMENT OF RESET ROADSIDE SIGN FOR STOP AND STREET NAME SIGN



TYPICAL PLACEMENT OF RESET ROADSIDE SIGN FOR ONE-WAY AND ROUTE SIGN

THIS PLAN ACCURATE FOR SIGN ONLY.

SIGN PLAN

NO SCALE **S-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: ALICIA RODRIGUEZ
CHECKED BY: SANDY LE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 9:04
03-17-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940oa001.dgn
CU 06386
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	90	129

Sandy L Le 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SANDY L. LE
No. 67065
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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SIGN QUANTITIES

SHEET No.	CURB RAMP No.	SIGN DESCRIPTION	RESET ROADSIDE SIGN EA
C-1	2	STOP SIGN	1
C-2	3	STREET SIGN	1
C-3	6	STREET SIGN	1
C-6	11	STREET SIGN	1
C-11	20	STREET SIGN	1
C-12	22	STREET SIGN	1
C-12	22	STOP SIGN	1
C-13	23	STREET SIGN	1
C-13	23	STOP SIGN	1
C-13	24	STOP SIGN	1
C-13	24	STREET SIGN	1
C-14	25	STREET SIGN	1
C-14	25	STOP SIGN	1
C-14	26	PED XING SIGN	1
C-17	31	STREET SIGN	1
C-18	33	STREET SIGN	1
C-19	34	STREET SIGN	1
C-21	37	STOP SIGN	1
C-22	39	STREET SIGN	1
C-22	40	STOP SIGN	1
C-22	40	NO PARKING SIGN	1
C-23	41	STREET SIGN	1
C-24	43	STREET SIGN	1
C-25	44	STREET SIGN	1
C-27	48	STOP SIGN	1
C-28	20	STREET SIGN	1
C-28	51	ONE WAY SIGN	1
C-29	53	ROUTE SIGN	1
C-30	54	STREET SIGN	1
C-31	56	ONE WAY / STOP SIGN	1
C-33	59	STOP SIGN	1
C-35	63	ONE WAY SIGN	1
C-36	66	FREEWAY ENTRANCE SIGN	1
C-38	70	STOP SIGN	1
C-39	71	WRONG WAY SIGN	1
C-39	71	ONE WAY SIGN	1
C-46	52	ROUTE SIGN	1
C-46	53	FREEWAY GUIDE SIGN	1
C-47	54	BIKE ROUTE SIGN	1
C-49	89	ONE WAY SIGN	1
C-50	91	FREEWAY ENTRANCE SIGN	1
C-50	90	ONE WAY SIGN	1
C-51	92	STOP SIGN	1
C-51	93	STREET SIGN	1
C-52	94	STOP SIGN	1
C-53	96	STREET SIGN	1
C-53	97	STOP SIGN	1
C-54	98	STOP SIGN	1
C-55	99	STREET SIGN	1
C-56	100	STREET SIGN	1
C-56	101	STREET SIGN	1
Subtotal 1			51

SIGN QUANTITIES

SHEET No.	CURB RAMP No.	SIGN DESCRIPTION	RESET ROADSIDE SIGN EA
C-57	102	STREET SIGN	1
C-58	104	STREET SIGN	2
C-58	105	SPEED LIMIT SIGN	1
C-59	106	STOP SIGN	1
C-59	107	NOT A TRUCK ROUTE	1
C-59	107	STREET SIGN	1
C-60	108	STOP SIGN	1
C-61	110	STREET SIGN	1
C-63	112	STREET SIGN	1
C-63	113	STOP SIGN	1
C-64	114	STOP SIGN	1
C-64	115	STREET SIGN	2
C-65	116	STOP SIGN	1
C-65	117	STREET SIGN	1
C-66	118	STOP SIGN	1
C-66	119	ONE WAY SIGN	1
C-67	120	STOP SIGN	1
C-68	121	ONE WAY SIGN	1
C-68	121	STOP SIGN	1
C-68	122	STREET SIGN	1
C-69	124	ONE WAY SIGN	1
C-70	125	STREET SIGN	1
C-73	130	ROUTE SIGN	2
C-74	131	STREET SIGN	1
C-76	136	STREET SIGN	1
Subtotal 2			28
Subtotal 1			51
Total			79

SIGN QUANTITIES

SHEET No.	SIGN (No.)	SIGN CODE	SIGN MESSAGE	PANEL SIZE	SINGLE FACED	DOUBLE FACED	BACKGROUND SHEETING COLOR	BACKGROUND Retroreflectivity ASTM TYPE	LEGEND SHEETING COLOR	LEGEND Retroreflectivity ASTM TYPE	GRAFFITI FLOW STANDARD	GRAFFITI FLOW PREMIUM	FURNISHED SINGLE SHEET ALUMINUM SIGN UNFRAMED 0.063"	FURNISHED SINGLE SHEET ALUMINUM SIGN UNFRAMED 0.080"	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	INSTALL SIGN (MAST-ARM HANGER METHOD)	INSTALL SIGN ON TYPE 1 PEDESTRIAN BARRICADE
													(N)		(N)	(N)	(N)
													SQFT	SQFT	EA	EA	EA
S-1	①	R9-3b	USE CROSSWALK	18" X 12"	X		WHITE	III	BLACK	III	X		1.50				1
	②	R9-3a	NO PEDESTRIAN CROSSING SYMBOL	18" X 18"	X		WHITE	III	BLACK / RED	III	X		2.25		4		
	③	R3-8	ADVANCE INTERSECTION LANE CONTROL	30" X 30"	X		WHITE	III	BLACK	III	X		6.25			1	
TOTAL													10.0		4	1	1

(N) NOT A SEPERATE PAY ITEM, FOR INFORMATION ONLY. REFER TO ELECTRICAL PLANS FOR INSTALLATION.

SIGN QUANTITIES

NO SCALE

SQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: SANDY LE
CHECKED BY: ALICIA RODRIGUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-17-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:04

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940oc001.dgn
CU 06386
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	91	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp.6/30/10 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.

ROADWAY ITEMS

CURB RAMP	ROUTE	LOCATION	MINOR CONCRETE (Misc Const)			HOT MIX ASPHALT (HMA)					EARTHWORK			REMOVAL ITEMS			SHEET
			CURB RAMP/ SIDEWALK	CURB	RETAINING CURB	PLACE HMA (Misc AREA)	REPLACE AC SURFACING	HMA DIKE		** MINOR HMA	ROADWAY EXCAVATION	*REMOVE AC (N)	EMBANKMENT (N)	CONCRETE		AC DIKE	
								TYPE A	TYPE F					CURB	SIDEWALK		
No.		PM	CY	CY	CY	SQFT	CY	LF	LF	TON	CY	CY	CY	CY	CY	LF	No.
1	33	R11.44	1.83	1.83	0.31		0.59				3.2		1.0	1.8			C-1
2	33	34.11	1.10	1.47	0.27		0.93				1.8	0.9		0.7	1.2		C-1
3	43	16.43	1.40	1.83	0.24		0.62				0.9			1.8	1.4		C-2
4	43	16.63	1.52	1.22			0.38				0.7			1.2	1.5		C-2
5	43	17.17	2.68	2.95	0.27		1.68				1.1	0.2		2.9	2.4		C-3
6	43	17.28	2.25	1.50			0.99				2.8			1.5			C-3
7	43	R23.62	2.51	1.46			0.49				3.0			1.5			C-4
8	43	R24.12	2.00	1.42			0.49				0.5			1.4	2.0		C-5
9	43	R24.12	2.51	1.51			0.50				3.0			1.5			C-5
10	43	R24.71	0.62	0.45	0.27		0.17				0.5			0.5	0.6		C-6
11	43	R24.89	0.76	0.65	0.12		0.22				0.6			0.6	0.6		C-6
12	43	R25.18	2.12	1.99		83	0.67			1.04	4.4	2.3		1.4			C-7
13	43	R25.18	3.18	2.08			0.70				3.8			2.1			C-7
14	43	R25.18	1.63	0.56	0.12	68				0.84	3.1	1.3		0.6	0.1		C-8
15	43	R25.18	4.12	1.93			0.43				5.1			2.0			C-8
16	46	30.13	0.75	0.84	0.20	77				0.95	2.4			0.3	0.8		C-9
17	46	30.22	1.39	1.98	0.28		1.40				3.6			0.2	0.3		C-9
18	46	30.39	1.65	1.95	0.28	25	0.65	5		0.45	3.0	0.8		1.0	0.8	21	C-10
19	46	32.29	2.29	1.40	0.21		0.47				2.2			2.3	1.4		C-10
20	46	32.18	2.02	1.43	0.22		0.47				1.7			1.4	2.1		C-11
21	58	27.28	1.55	1.88	0.23		0.64				2.0	0.5		1.9	0.8		C-12
22	58	27.41	1.79	2.07	0.26		0.69				3.1			2.1			C-12
23	58	27.53	2.46	2.05	0.25		0.66				4.6	1.3		2.1			C-13
24	58	27.79	1.76	2.06	0.26		0.69				3.0			2.1			C-13
25	58	27.66	2.35	1.43			0.48				3.1			1.4			C-14
26	58	27.66	2.26	1.60			0.54				3.2	1.2		1.6			C-14
27	58	31.53	1.64	1.68	0.28		0.54				3.0			1.7	1.6		C-15
28	58	31.53	1.74	1.79	0.27		0.57				3.0			1.8	1.7		C-15
29	58	31.75	2.16	1.39			0.45				2.7			1.4			C-16
30	58	31.75	1.54	1.39	0.26		0.43				1.1			1.4	1.2		C-16
31	58	42.91	2.58	1.54			0.50				3.1			1.6			C-17
32	58	42.91	2.58	1.54			1.00				3.1			1.6			C-17
33	58	42.98	1.70	1.90	0.25		1.28				3.0			1.9			C-18
34	58	45.49	6.64	3.31			1.07				8.3	2.1	1.0			57	C-19
35	58	45.49	3.67	1.66			0.53				4.3		1.0			28	C-20
36	58	45.49	4.02	1.89			0.61				4.7		1.0			32	C-20
SUBTOTAL			77.79	59.63	4.90	253	22.53	5		3.28	102.7	10.6	4.0	49.3	20.5	138	

* QUANTITY INCLUDED IN ROADWAY EXCAVATION

** DOES NOT INCLUDE 'REPLACE AC SURFACING'

SUMMARY OF QUANTITIES

NO SCALE **Q-1**

CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 11-APR-2010
02-01-10 | TIME PLOTTED => 19:04

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940pa001.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	92	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp. 6/30/10 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.

ROADWAY ITEMS

CURB RAMP	ROUTE	LOCATION	MINOR CONCRETE (Misc Const)			HOT MIX ASPHALT (HMA)					EARTHWORK			REMOVAL ITEMS			SHEET
			CURB RAMP/ SIDEWALK	CURB	RETAINING CURB	PLACE HMA (Misc AREA)	REPLACE AC SURFACING	HMA DIKE		** MINOR HMA	ROADWAY EXCAVATION	*REMOVE AC (N)	EMBANKMENT (N)	CONCRETE		AC DIKE	
								TYPE A	TYPE F					CURB	SIDEWALK		
No.	No.	PM	CY	CY	CY	SQFT	CY	LF	LF	TON	CY	CY	CY	CY	CY	LF	No.
37	58	46.29	2.05	2.27	0.26		0.75				3.3			2.3	0.1		C-21
38	58	46.29	1.92	2.05	0.28		0.69				3.1			2.1			C-21
39	58	46.89	1.82	2.02	0.25		0.67				4.2	1.3				33	C-22
40	58	46.89	1.87	2.61	0.25		0.82				4.7	1.7	1.0			51	C-22
41	58	47.27	2.61	1.57			0.51				5.1	1.0				26	C-23
42	58	47.43	2.56	1.53			0.50				5.1	1.0				26	C-24
43	58	47.43	2.57	1.53			0.50				5.1	1.0				26	C-24
44	58	47.52	2.57	1.53			0.51				5.1	1.0				26	C-25
45	58	47.52	2.55	1.52			0.50				4.1			1.5			C-25
46	58	48.36	2.93	3.16	0.26		1.04				4.5	1.4		2.4		11	C-26
47	58	49.71	1.93	2.21	0.30	25	0.74	5		0.45	4.6	1.8				41	C-26
48	58	49.40	3.57	2.76			0.90				5.9	1.8				46	C-27
49	58	49.40	1.72	1.38		98	0.48		7	2.51	3.6	2.4				31	C-27
50	58	R53.39	2.86	1.66			0.54				4.5	1.1				27	C-28
Median	58	R53.39	1.98		0.49						5.8	1.2		1.3			C-28
51	58	R53.39	2.38	1.99	0.23		0.65				1.5			2.0	2.1		C-28
52	58	R54.41	1.68	0.90	0.12		0.29				2.6	0.6	0.5			15	C-29
53	58	R54.41	1.71	0.90	0.12		0.29				2.5	0.4		0.3	0.2	10	C-29
54	58	R56.41	0.95	0.97	0.26		0.32				2.4	0.4	1.0			17	C-30
55	58	R56.41	0.87	0.75	0.26		0.22				2.1	0.9				16	C-31
56	58	R56.41	0.98	1.05	0.07		0.40				1.9	1.1				18	C-31
57	58	R56.41	0.80	0.79	0.21	20	0.25		4	0.30	1.5	0.8				18	C-32
58	58	R56.41	0.88		0.23	20	0.37		4	0.30	1.7	0.9				20	C-32
59	58	R57.17	0.91	1.02	0.07		0.39				1.9	1.0				18	C-33
60	58	R57.17	1.65	0.88	0.12		0.30				2.0			0.9			C-33
61	58	R57.17	0.86	0.96	0.24	83	0.31	18		1.53	2.8	1.1				34	C-34
62	58	R57.17	1.27	0.83	0.15	29	0.28		4	0.41	2.6	1.2				19	C-34
63	58	R57.17	1.05	1.14	0.14		0.41				2.1	1.1				18	C-35
64	58	R57.17	0.82	0.80	0.20		0.29				1.8	1.0				15	C-35
65	58	R57.17	0.98	0.97	0.26		0.31				2.0	1.1				17	C-36
66	58	R57.17	2.04	2.28	0.26	26	0.74	5		0.45	3.9	1.4				44	C-36
67	58	R58.43	0.93	1.00	0.23	25	0.33	5		0.44	2.4	1.3				22	C-37
68	58	R58.43	1.05	0.97	0.26		0.31				2.3	0.6				17	C-37
69	58	R58.43	1.21	0.83	0.15		0.28				2.0	0.5				15	C-38
70	58	R58.43	1.14	0.92	0.07		0.35				2.0	1.0	0.5			24	C-38
71	58	R59.44	1.53	0.39	0.12						2.5					15	C-39
72	58	R59.44	0.71	0.34	0.13		0.16				1.3	0.5				17	C-39
SUBTOTAL			61.91	48.48	5.99	326	16.40	33	19	6.39	116.5	33.6	3.0	12.8	2.4	733	

* QUANTITY INCLUDED IN ROADWAY EXCAVATION

** DOES NOT INCLUDE 'REPLACE AC SURFACING'

SUMMARY OF QUANTITIES

NO SCALE **Q-2**

REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 11-APR-2010 | TIME PLOTTED => 19:05
02-01-10

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 | DGN FILE => 600940pa002.dgn | CU 06252 | EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	93	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT FRIESEN No. 57969 Exp.6/30/10 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.

ROADWAY ITEMS

CURB RAMP	ROUTE	LOCATION	MINOR CONCRETE (Misc Const)			HOT MIX ASPHALT (HMA)					EARTHWORK			REMOVAL ITEMS			SHEET
			CURB RAMP/ SIDEWALK	CURB	RETAINING CURB	PLACE HMA (Misc AREA)	REPLACE AC SURFACING	HMA DIKE		** MINOR HMA	ROADWAY EXCAVATION	*REMOVE AC (N)	EMBANKMENT (N)	CONCRETE		AC DIKE	
								TYPE A	TYPE F					CURB	SIDEWALK		
No.	No.	PM	CY	CY	CY	SQFT	CY	LF	LF	TON	CY	CY	CY	CY	CY	LF	No.
73	58	R59.44	0.97	0.97	0.26	20	0.31	4		0.36	2.4	0.8				21	C-40
74	58	R59.44	0.86	0.13	0.25						1.8	0.7				6	C-40
75	58	R59.44	0.58	0.13	0.17						1.8	1.1				5	C-41
76	58	R59.44	1.29	0.80	0.07		0.28				2.1	1.0	0.5			15	C-41
77	58	R59.44	0.91	0.91	0.26	25	0.29	5		0.45	1.8	1.4				21	C-42
78	58	R59.44	0.88	0.80	0.22	10	0.27		2	0.15	2.1	1.1				17	C-42
79	58	R59.44	0.75	1.06	0.14	20	0.41	4		0.36	2.0	1.2				22	C-43
80	58	R59.44	2.60	1.48			0.48				4.5	1.7				26	C-43
81	58	R59.44	0.96		0.32		0.15				1.4	0.3				8	C-44
82	58	R59.44	0.92	0.85	0.24	25	0.29		5	0.38	2.5	1.2				21	C-44
83	99	17.50	1.98	1.16	0.12		0.37				3.2	0.8				20	C-45
84	99	17.50	1.42	0.91	0.07		0.31				2.4	0.6				17	C-45
85	99	17.50	1.39	0.96	0.12		0.31				1.8	0.2		0.6	0.6	6	C-46
86	99	17.50	1.05	0.35	0.35		0.11				2.0	0.6		0.4			C-46
87	99	21.60	1.40	1.82	0.25		1.16				3.9	1.1		0.9			C-47
88	99	49.30	1.26	1.44	0.43	94	0.69	14	14	2.34	3.5	1.5	1.0	1.5		14	C-48
89	99	57.55	4.10	3.25	0.12		1.08				6.4	2.1				55	C-49
90	99	57.45	2.46	1.17	0.12		0.40				2.9			1.2			C-50
91	99	57.55	2.73	0.95	0.12		0.31				3.3	0.3		0.6			C-50
92	155	R0.04	1.70	2.21	0.27		0.75				2.9			2.2			C-51
93	155	R0.04	2.24	1.42			0.49				2.8			1.4			C-51
94	155	R0.12	2.12	0.81	0.54		0.28				3.1			0.8			C-52
95	155	R0.12	2.12	1.54			0.52				2.5			1.5			C-52
96	155	R0.37	2.35	0.90	0.69		0.28				3.3			0.9			C-53
97	155	R0.47	2.02	1.48			0.51			0.27	2.4			1.5			C-53
98	166	0.09	2.16	1.64		50	1.01			0.90	3.5	0.9				22	C-54
99	178	0.36	2.53	2.78	0.40		0.93				4.3	1.1		2.8	0.5		C-55
100	178	0.36	2.76	1.61			0.53	10			4.3	1.0				27	C-56
101	178	0.36	2.95	1.10			0.37				4.3	0.7				27	C-56
102	178	0.50	1.33	1.62	0.28		0.54				1.0			1.6	1.3		C-57
103	178	0.50	1.31	1.63	0.25		0.54				1.0			1.6	1.3		C-57
104	178	0.50	1.70	1.98	0.25		0.66				4.2	1.3				32	C-58
105	178	0.50	1.39	1.81	0.25		0.61				1.1			1.8	1.4		C-58
106	178	0.56	1.67	1.93	0.38		0.59				1.6			1.9	1.5		C-59
107	178	0.56	1.55	2.05	0.36		0.63				1.5			2.1	1.6		C-59
108	178	0.63	1.70	1.92	0.36		0.57				2.0			1.9	1.7		C-60
SUBTOTAL			62.11	47.57	7.66	244	17.03	37	21	5.21	97.6	22.7	1.5	27.2	9.9	382	

* QUANTITY INCLUDED IN ROADWAY EXCAVATION
** DOES NOT INCLUDE 'REPLACE AC SURFACING'

SUMMARY OF QUANTITIES

NO SCALE **Q-3**

REVISED BY | DATE REVISED
TAREK CHOWDHURY | SCOTT M. FRIESEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 06-DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
02-01-10 | TIME PLOTTED => 19:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	94	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT FRIESEN No. 57969 Exp.6/30/10 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.

ROADWAY ITEMS

CURB RAMP	ROUTE	LOCATION	MINOR CONCRETE (Misc Const)			HOT MIX ASPHALT (HMA)					EARTHWORK			REMOVAL ITEMS			SHEET
			CURB RAMP/ SIDEWALK	CURB	RETAINING CURB	PLACE HMA (Misc AREA)	REPLACE AC SURFACING	HMA DIKE TYPE A	HMA DIKE TYPE F	** MINOR HMA	ROADWAY EXCAVATION	*REMOVE AC (N)	EMBANKMENT (N)	CONCRETE CURB	CONCRETE SIDEWALK	AC DIKE	
No.		PM	CY	CY	CY	SQFT	CY	LF	LF	TON	CY	CY	CY	CY	CY	LF	No.
109	178	0.82	1.67	1.22	0.60		0.39				3.0			1.2	1.4		C-61
110	178	0.82	2.20	1.80	0.65		0.57				3.8			1.8	1.9		C-61
111	178	0.89	3.09	1.50	0.67		0.42				4.0			1.5	2.8		C-62
112	178	0.96	1.44	1.09	0.55		0.36				2.5			1.1	1.4		C-63
113	178	0.96	2.05	1.68	0.56		0.53				2.8			1.7	2.1		C-63
114	178	0.96	1.78	2.18	0.39		0.67				1.5			2.2	1.6		C-64
115	178	0.96	1.84	2.05	0.38		0.63				2.0			2.1	1.8		C-64
116	178	1.02	1.87	1.82	0.33		0.56				1.6			1.8	1.9		C-65
117	178	1.02	1.92	2.15	0.38		0.66				1.5			2.2	1.9		C-65
118	178	1.09	2.32	2.39	0.35		0.74				2.1			2.4	2.1		C-66
119	178	1.09	1.03	1.50	0.31		0.48				1.1			1.5	1.1		C-66
120	178	1.15	1.35	1.34			0.43				0.8			1.3	1.4		C-67
121	178	1.18	2.46	2.30	0.37		0.69				4.9	1.3		2.3			C-68
122	178	1.18	1.62	2.02	0.39		0.62				1.7			2.0	1.7		C-68
123	178	1.50	0.85	0.59	0.49		0.19				0.7			0.6	1.0		C-69
124	178	1.62	1.93	1.96	0.32		0.61				2.5			2.0	1.7		C-69
125	178	R2.41	1.63	1.67	0.24		0.55				2.8			1.7			C-70
126	178	R2.41	1.94	2.04	0.22		0.65				2.6			2.0			C-70
127	178	R2.41		0.91			0.32				0.3			0.9			C-71
128	178	R2.41	0.55	0.94	0.29		0.32				1.4	0.3		0.9			C-71
129	178	T9.61	1.37	1.27	0.26		0.42				1.3			1.3	1.4		C-72
130	184	0.00	2.03	1.40			0.46				2.5			1.4			C-73
131	184	2.53	1.27	1.41	0.24		0.46				1.1			1.4	1.3		C-74
132	184	4.32	0.96	1.00	0.25		0.33				2.4	0.6				17	C-74
133	184	5.06	1.26	1.49	0.22		0.50				1.1			1.5	1.3		C-75
134	184	8.35	2.04	1.13		122	0.32			1.53	4.8	1.8		1.2			C-75
135	184	8.98	1.36	1.49	0.25		1.00				1.1			1.5	1.4		C-76
136	184	9.19	1.79	0.81	0.23						3.0			0.8			C-76
137	184	9.12	1.26	0.84	0.12	87	0.28			1.09	2.3	1.2		0.8			C-77
138	184	9.12	1.72	0.88			0.31		5	0.06	2.6	0.6				21	C-77
139	184	9.24	1.59	0.79	0.23						2.7			0.8			C-78
140	184	9.37	1.75	2.04	0.25		2.12				3.0			2.0			C-78
SUBTOTAL Q-1			77.79	59.63	4.90	253	22.53	5	0	3.28	102.7	10.6	4.0	49.3	20.5	138	Q-1
SUBTOTAL Q-2			61.91	48.48	5.99	326	16.40	33	19	6.39	116.5	33.6	3.0	12.8	2.4	733	Q-2
SUBTOTAL Q-3			62.11	47.57	7.66	244	17.03	37	21	5.21	97.6	22.7	1.5	27.2	9.9	382	Q-3
SUBTOTAL Q-4			51.94	47.70	9.54	209	16.59	0	5	2.68	71.5	5.8	0.0	45.9	31.2	38	Q-4
TOTAL			485.22			1032	72.55	75	45	17.56	388.3			199.2		1291	

* QUANTITIES INCLUDED IN ROADWAY EXCAVATION

** DOES NOT INCLUDE 'REPLACE AC SURFACING'

SUMMARY OF QUANTITIES

NO SCALE **Q-4**

REVISED BY | DATE REVISED

TAREK CHOWDHURY | SCOTT M. FRIESEN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MICHAEL K. LIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 11-APR-2010
02-01-10 | TIME PLOTTED => 19:05

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940pa004.dgn

CU 06252

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46 58,99,etc.	Var	95	129

Scott Friesen 3-5-10
REGISTERED CIVIL ENGINEER DATE

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT FRIESEN
No. 57969
Exp. 6/30/10
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.

TEMPORARY WATER POLLUTION CONTROL

CURB RAMP No.	Temp DRAINAGE INLET PROTECTION
	EA
5	1
6	1
32	1
38	1
42	1
43	1
50	1
53	1
67	1
68	1
70	1
71	1
83	1
84	1
101	1
104	1
110	1
112	1
120	1
128	1
133	1
139	1
TOTAL	22

REMOVE CHAIN LINK FENCE

CURB RAMP No.	REMOVE CL FENCE
	LF
104	16

DECOMPOSED GRANITE (Misc AREAS)

CURB RAMP No.	DECOMPOSED GRANITE (Misc AREAS)	FILTER FABRIC (N)	EDGING (N)
	SQFT	SQFT	LF
127	38	38	15

PEDESTRIAN BARRICADE

CURB RAMP No.	PEDESTRIAN BARRICADE (TYPE 1)
	EA
2	3

SUMMARY OF QUANTITIES

NO SCALE **Q-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
06-DESIGN
FUNCTIONAL SUPERVISOR: MICHAEL K. LIM
CALCULATED-DESIGNED BY: TAREK CHOWDHURY
CHECKED BY: SCOTT M. FRIESEN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 11-APR-2010
02-01-10 TIME PLOTTED => 19:05

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940pa005.dgn
CU 06252
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	96	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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: (FOR SHEETS E-1 AND E-2)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 06500430017140T

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN	YES	——
50	120	1	SIGNAL	YES	——
30	240	2	LIGHTING	YES	III

2 Exist MODEL 170 CONTROLLER ASSEMBLY. FURNISH AND INSTALL BBS AND WIRELESS MODEM.

3 RC Exist ppb, INSTALL NEW PPB.

4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

ABBREVIATIONS:

PG&E - PACIFIC GAS AND ELECTRIC COMPANY
CTID - CALTRANS IDENTIFICATION

LEGEND:

- Exist MAGNETOMETER DETECTOR
- (a) - Exist sig std
- 1 - Exist CONDUIT RUN

CONDUIT AND CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION			CONDUIT RUN NUMBER AND SIZE								
CABLE TYPE	POLE	PHASE	*1	*2	3	4	5	6	7	8	9
			2-3"	2"	4"	4"	3"	3"	1"	2"	2"
			**	***	**				**	**	**
veh-ped #14	(a)	2,4,6	9						9	9	9
	(b)	6	3							3	3
	(c)	6,8,6P / 6	9 / 2								9 / 2
	(d)	6	2		2						
ppb #14		TOTAL	21 / 4		2				9	12	21 / 2
VEH-PED 12CSC	(e)	8,8P / 6		1 / 1		1 / 1					
	(F)	8,6P / 8		1 / 1		1 / 1	1 / 1				
	(g)	2 / 8		1 / 1		1 / 1	1 / 1	1 / 1			
	(h)	4,8,8P		1		1	1	1	1		
PPB 3CSC		TOTAL		4 / 3		4 / 3	3 / 2	2 / 1	1		
AWG		CIRCUIT									
#14		SPARES	3						3	3	3
#14		RAIL ROAD PRE-EMPTION	2							2	2
#14		RIGHT TURN STOP	1								1
#12		ppb COMMON	2		1						1
#10		sig COMMON	1						1	1	1
#8		LIGHTING				2	2	2	2	2	2
#6		SIGNAL	2								
		PHASE									
DLC		ø2 ADV	1						1	1	1
		ø4	1								
		ø4 ADV	1								
		ø6 ADV		1		1	1				
		ø8		1		1	1	1			
		ø8 ADV		1		1	1	1			
		TOTAL	3	3		3	3	2	2	1	1

* RC Exist CONDUCTORS NOT BEING USED.
** Exist CONDUCTORS TO REMAIN AS INDICATED IN THE TABLE.
*** INSTALL CONDUCTORS IN Exist CONDUIT RUN AS SHOWN IN THE TABLE.

POLE AND EQUIPMENT SCHEDULE

STANDARD				Veh SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
(a)	17-2-100	18′	15′	mas	SV-3-T				150 W	
(b)	17-2-100	18′	15′	mas	SV-1-T				150 W	
(c)	15TS		15′		SV-2-T	SP-1-T	6	→	150 W	3
(d)	ppb POST						6	←→		3
(e)	17-2-100	18′	15′	mas	SV-1-T	SP-1-T	6	←	150 W	3
(f)	1-A				TV-1-T	SP-1-T	8	→		RC
(F)	1-A				TV-1-T	SP-1-T	8	→		
(g)	17-2-100	18′	12′	mas	SV-1-T		8	←	150 W	3
(h)	1-A				TV-2-T	SP-1-T				

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY SIGNAL AND LIGHTING (LOCATION 1)

NO SCALE

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	97	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

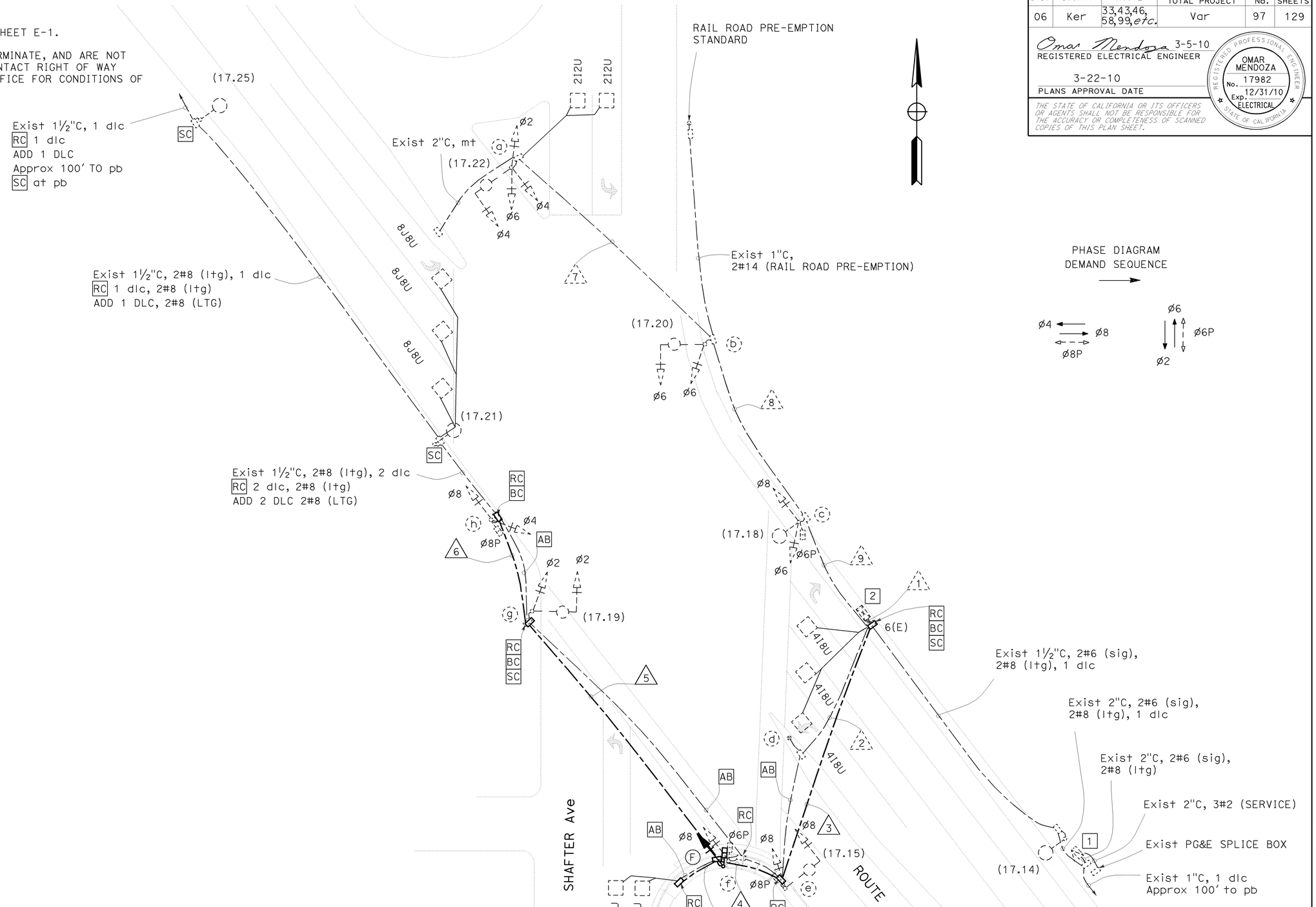
3-22-10
PLANS APPROVAL DATE

OMAR MENDOZA No. 17982 Exp. 12/31/10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — 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 NOTES AND SCHEDULES, SEE SHEET E-1.
2. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



PHASE DIAGRAM
DEMAND SEQUENCE

MODIFY SIGNAL AND LIGHTING (LOCATION 1)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1"=20'

E-2

LAST REVISION | DATE PLOTTED => 11-APR-2010
03-22-10 | TIME PLOTTED => 19:05

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
REVISED BY:
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ua002.dgn
CU 06391
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	98	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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.

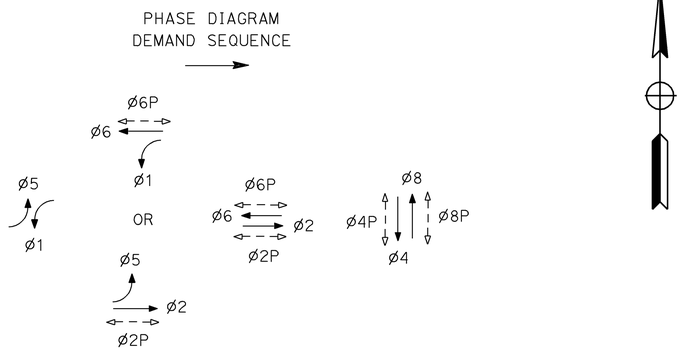
NOTES: (FOR THIS SHEET ONLY)

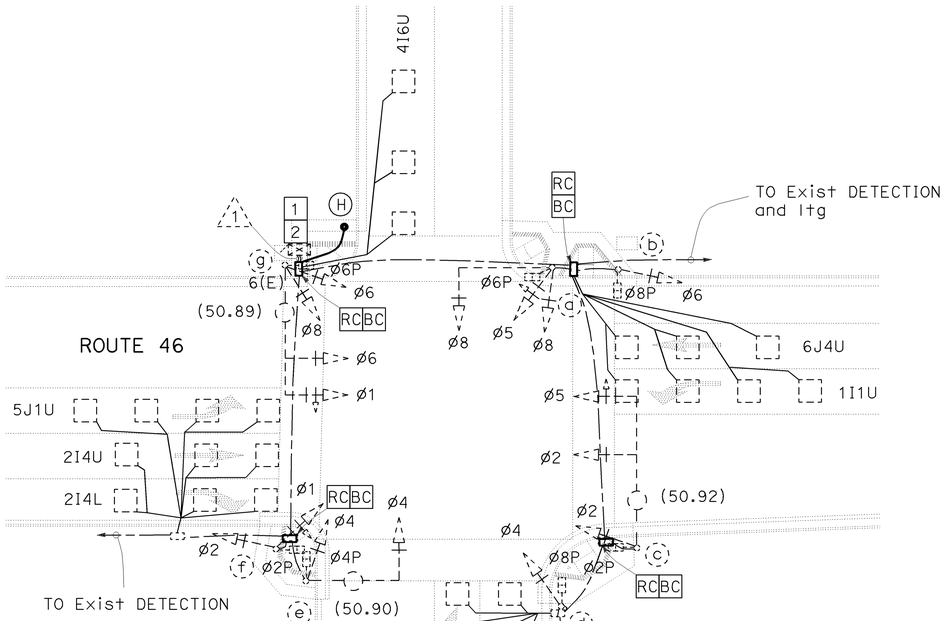
1. Exist 120/240 V, 1Ø, 3-WIRE, TYPE II SERVICE MOUNTED ON Exist CONTROLLER CABINET.
2. Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs. FURNISH AND INSTALL WIRELESS MODEM.
3. RC Exist ppb, INSTALL NEW PPB.
4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.
5. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

LEGEND: (FOR THIS SHEET ONLY)

△1 Exist 2-3"C, RC ppb CONDUCTORS FROM POLE (g) TO THE Exist CONTROLLER CABINET. ALL OTHER CONDUCTORS TO REMAIN. ADD 2-3CSC FROM POLE (H) TO THE Exist CONTROLLER CABINET.

PHASE DIAGRAM
DEMAND SEQUENCE





POLE AND EQUIPMENT SCHEDULE

STANDARD				VEH SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		Ø	ARROW		
(a)	23-3-70	25′		mas	SV-2-T	SP-1-T	6	→		3
(b)	1-A				TV-1-T	SP-1-T	8	→		3
(c)	24-3-70	40′	12′	mas mas	SV-1-T	SP-1-T	8	←	200 W	3
(d)	1-A				TV-2-T	SP-1-T	2	→		3
(e)	24-3-70	25′	12′	mas	SV-1-T	SP-1-T	2	←	200 W	3
(f)	1-A				TV-2-T	SP-1-T	4	→		3
(g)	24-3-100	35′	12′	mas mas	SV-2-T	SP-1-T	4 6	← ←	200 W	RC Exist 2-ppb
(H)	PPB POST						4 6	→ →		

MODIFY SIGNAL AND LIGHTING (LOCATION 2)

SCALE: 1"=20′

E-3

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
Caltrans®

REVISED BY	CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR
OMAR MENDOZA	RAJPREET SINGH		ALI BAKHDOUD

LAST REVISION DATE PLOTTED => 11-APR-2010
03-22-10 TIME PLOTTED => 9:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	99	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

OMAR MENDOZA No. 17982 Exp. 12/31/10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — 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: (FOR THIS SHEET ONLY)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 06500580045484T

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN	YES	——
60	120	1	SIGNAL	YES	——
20	120	1	FLASHING BEACON	YES	——
20	120	1	SPARE	YES	——
20	240	2	SPARE	YES	——

CTID No. 06500580045484L

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	2	MAIN	YES	——
40	240	2	LIGHTING	YES	IV
20	240	2	SPARE	YES	——
20	240	2	SPARE	YES	——

2 Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs. FURNISH AND INSTALL WIRELESS MODEM.

3 RC Exist ppb.

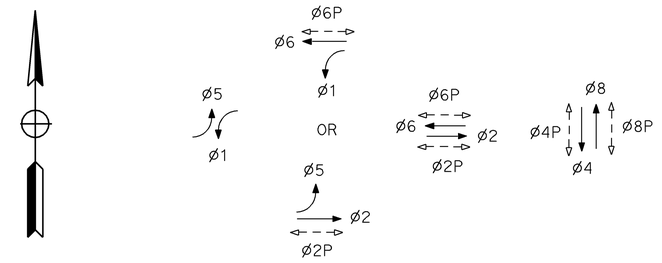
4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

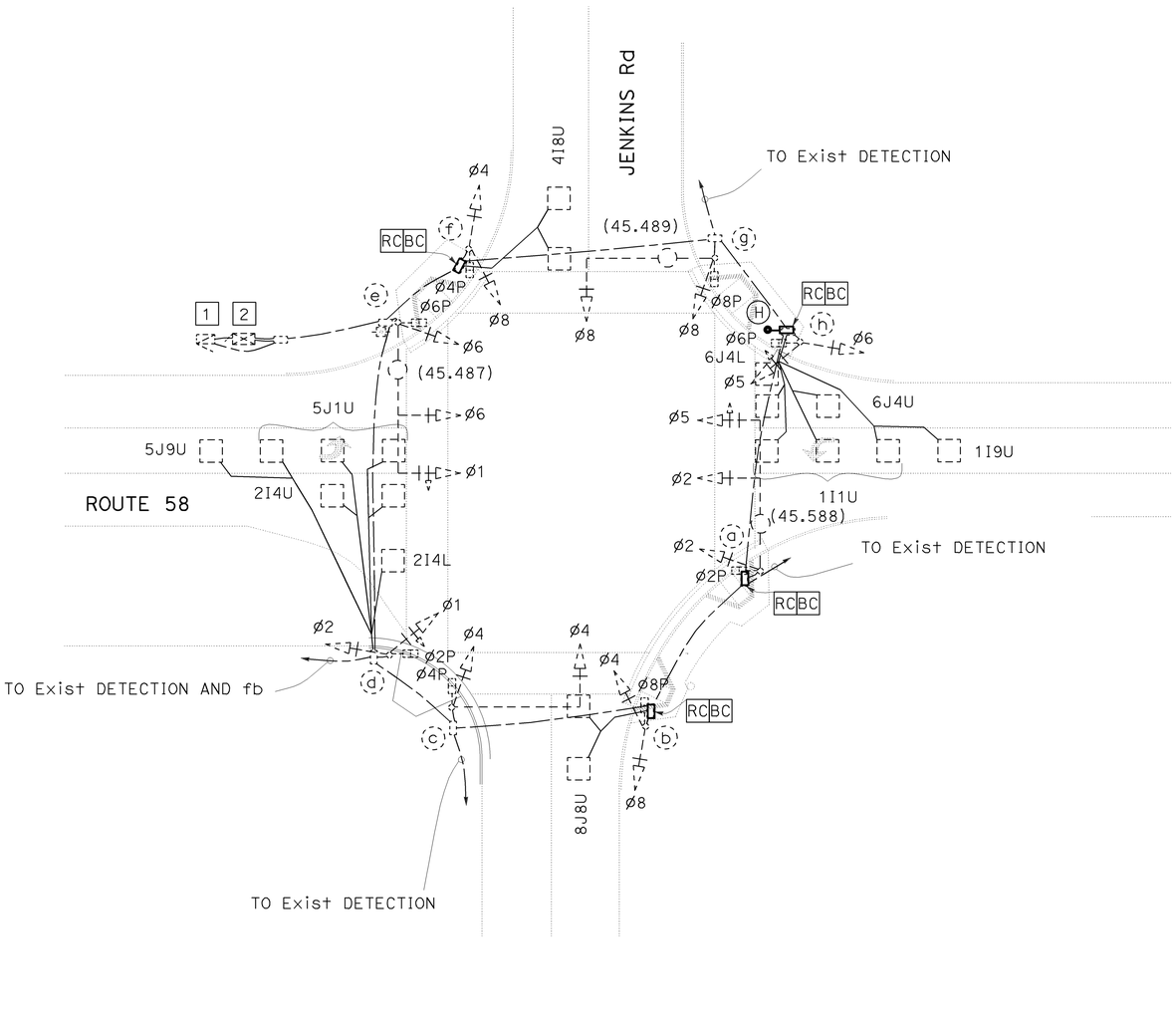
5. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

POLE AND EQUIPMENT SCHEDULE

STANDARD				VEH SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
(a)	26A-4-100	40′	8′	mas mas	SV-1-T	SP-1-T	8	←	310 W	
(b)	1-A				TV-2-T	SP-1-T	2	→		
(c)	23-3-100	35′		mas	SV-1-T	SP-1-T	2	←		
(d)	1-A				TV-2-T	SP-1-T	4	→		
(e)	26A-4-100	40′	15′	mas mas	SV-1-T	SP-1-T	4	←	310 W	
(f)	1-A				TV-2-T	SP-1-T	6	→		
(g)	24-3-100	35′	12′	mas	SV-1-T	SP-1-T	6	←	200 W	
(h)	1-A				TV-2-T	SP-1-T	8	→		3, RR Exist 3CSC to POLE (H)
(H)	PPB POST						8	→		INSTALL Exist 3CSC FROM POLE (h)

PHASE DIAGRAM
DEMAND SEQUENCE





MODIFY SIGNAL AND LIGHTING (LOCATION 3)

SCALE: 1"=20′

E-4

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
Caltrans

CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY
OMAR MENDOZA	RAJPREET SINGH	ALI BAKHDOUD	

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:05

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ua004.dgn

CU 06391

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	100	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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: (FOR THIS SHEET ONLY)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 06500580053410T

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	3	MAIN	1P-YES 2P-NO	——
40	120	1	SIGNAL	YES	——
30	240	2	LIGHTING	NO	IV
30	120	1	SIGN ILLUMINATION	NO	SC2

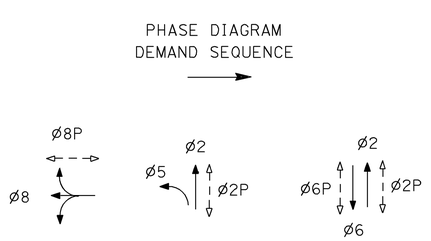
2 Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.

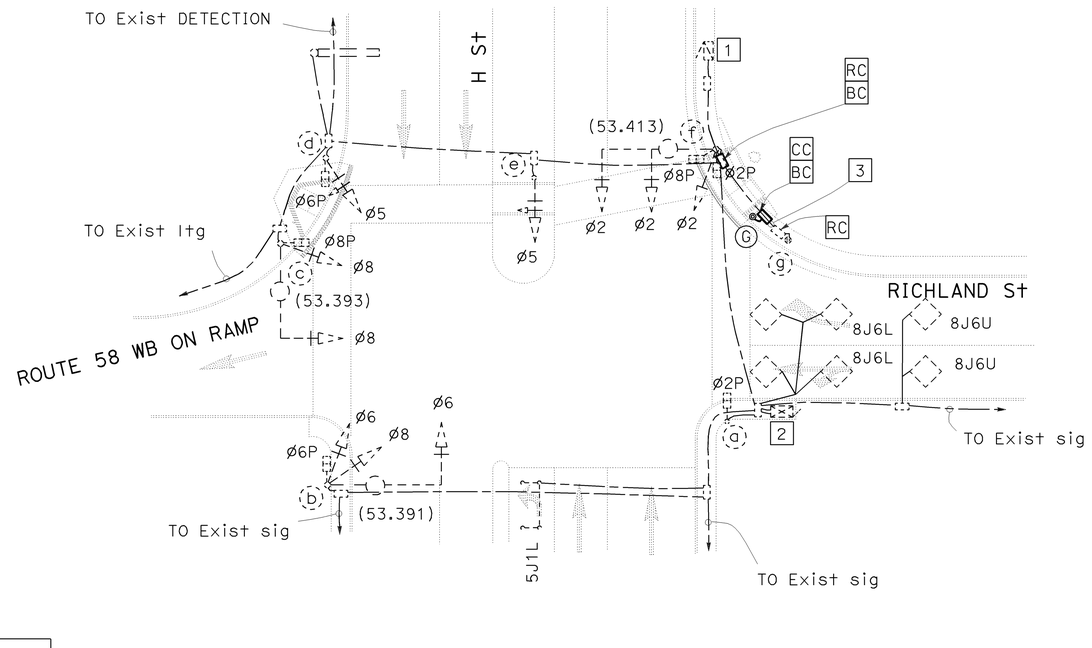
3 AB Exist CONDUIT RR Exist CONDUCTORS.

4 RC Exist ppb, INSTALL NEW PPB.

5. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

6. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.





POLE AND EQUIPMENT SCHEDULE

STANDARD No.	TYPE	SMA	LMA	VEH SIG MTG MAST ARM	VEH SIG MTG POLE	PED SIG MTG	PPB ø	PPB ARROW	HPS LUM	SPECIAL REQUIREMENTS
(a)	1-A					TP-1-T	2	←		4
(b)	19-1-80	30′	12′	mas	SV-2-T	SP-1-T	6	→	200 W	4
(c)	19-1-80	25	12′	mas	SV-1-T	SP-1-T	6	←	200 W	4
(d)	1-A				TV-1-T	SP-1-T	8	→		4
(e)	1-A				TV-1-T		8	↔		4
(f)	19-1-80	30′	12′	mas mas	SV-1-T	SP-1-T	6	←	200 W	4
(g)	ppb POST						2	→		RC ppb POST, RR Exist CONDUCTORS TO POLE (G)
(G)	PPB POST						2	→		INSTALL Exist CONDUCTORS FROM POLE (g)

MODIFY SIGNAL AND LIGHTING (LOCATION 4)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1"=20′

E-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: RAJPREET SINGH
CHECKED BY: OMAR MENDOZA
REVISED BY

LAST REVISION DATE PLOTTED => 11-APR-2010
03-22-10 TIME PLOTTED => 19:05

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ua005.dgn

CU 06391

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	101	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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: (FOR SHEETS E-6 AND E-7)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 065017800003507

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	3	MAIN	1P-YES 2P-NO	——
70	120	1	SIGNAL	YES	——
40	240	2	LIGHTING	NO	IV
40	120	1	SIGN LIGHTING	NO	SC1

2 Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.

3 RC Exist ppb, INSTALL NEW PPB.

4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

CONDUIT AND CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION			CONDUIT RUN NUMBER AND SIZE																	
CABLE TYPE	POLE	PHASE	*1		*2		3	4	5	6	7	8	9							
			2-3"		3"		3"	3"	3"	3"	3"	3"	3"							
			**	***	**	***	**	**	**	**	**	**	**							
VEH-PED 12CSC	ⓐ	8	1 1		1 1		1 1													
	ⓑ	2,5,2P 8	1 1		1 1		1 1	1 1												
	ⓒ	4,8, 8P 2	1 1		1 1		1 1	1 1	1 1											
	ⓓ	4 2	1 1		1 1		1 1	1 1	1 1	1 1										
	ⓔ	1,2,2P	1		1		1	1	1	1	1									
	ⓕ	1,6,6P	1									1	1							
	ⓖ	8 6	1 1										1 1							
	ⓗ	8,8P 6	1 1																	
	Ⓘ	5,6,6P 8		1 1		1 1														
PPB 3CSC		TOTAL	8 6	1 1	5 4	1 1	5 4	4 3	3 2	2 1	1	1	2 1							
AWG	CIRCUIT																			
#4	SIGNAL		2																	
#8	LIGHTING				2		2	2	2	2		2	2							
#8	SIGNS				2		2	2	2	2	2	2	2							
	sic		1									1	1							
	DETECTORS - DLC																			
	PHASE																			
dlc	ø1		2		2		2													
	ø2		3		3		3	3	3	3	3									
	ø2 ADV		1		1		1	1	1	1	1									
	ø4		2										2							
	ø5		1		1		1	1	1	1	1									
	ø6		2		2															
	ø6 ADV		1																	
	ø8		3		3		3	3	3											
	ø8 ADV		1		1		1	1	1											
	TOTAL		16		13		11	8	8	5	5		2							

* RC Exist CONDUCTORS NOT BEING USED.
** Exist CONDUCTORS TO REMAIN AS SHOWN IN THE TABLE.
*** INSTALL CONDUCTORS IN Exist CONDUIT RUN AS SHOWN IN THE TABLE.

POLE AND EQUIPMENT SCHEDULE

STANDARD				VEH SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
ⓐ	ppb POST						8	← →		3
ⓑ	29-5-80	55′	12′	mat mas	SV-1-T	SP-1-T	8	←	200 W	3
ⓒ	1-A				TV-2-T	SP-1-T	2	→		3
ⓓ	19-1-80	30′	12′	mat	TV-1-T		2	←	200 W	3
ⓔ	1-A				TV-2-T	SP-1-T				
ⓕ	29-5-80	50′	12′	mat mas	SV-1-T	SP-1-T			200 W	
ⓖ	1-A				TV-1-T		6	→		3
ⓗ	19-1-80	25′	12′	mat mas	TV-1-T	SP-1-T	6	←	200 W	3
ⓘ	1-A				TV-2-T	SP-1-T	8	→		RS
Ⓘ	1-A				TV-2-T	SP-1-T	8	→		

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY SIGNAL AND LIGHTING (LOCATION 5)

NO SCALE

E-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: RAJPREET SINGH
CHECKED BY: OMAR MENDOZA
REVISED BY

LAST REVISION: DATE PLOTTED => 11-APR-2010 TIME PLOTTED => 19:06
03-22-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ua006.dgn
CU 06391
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	102	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

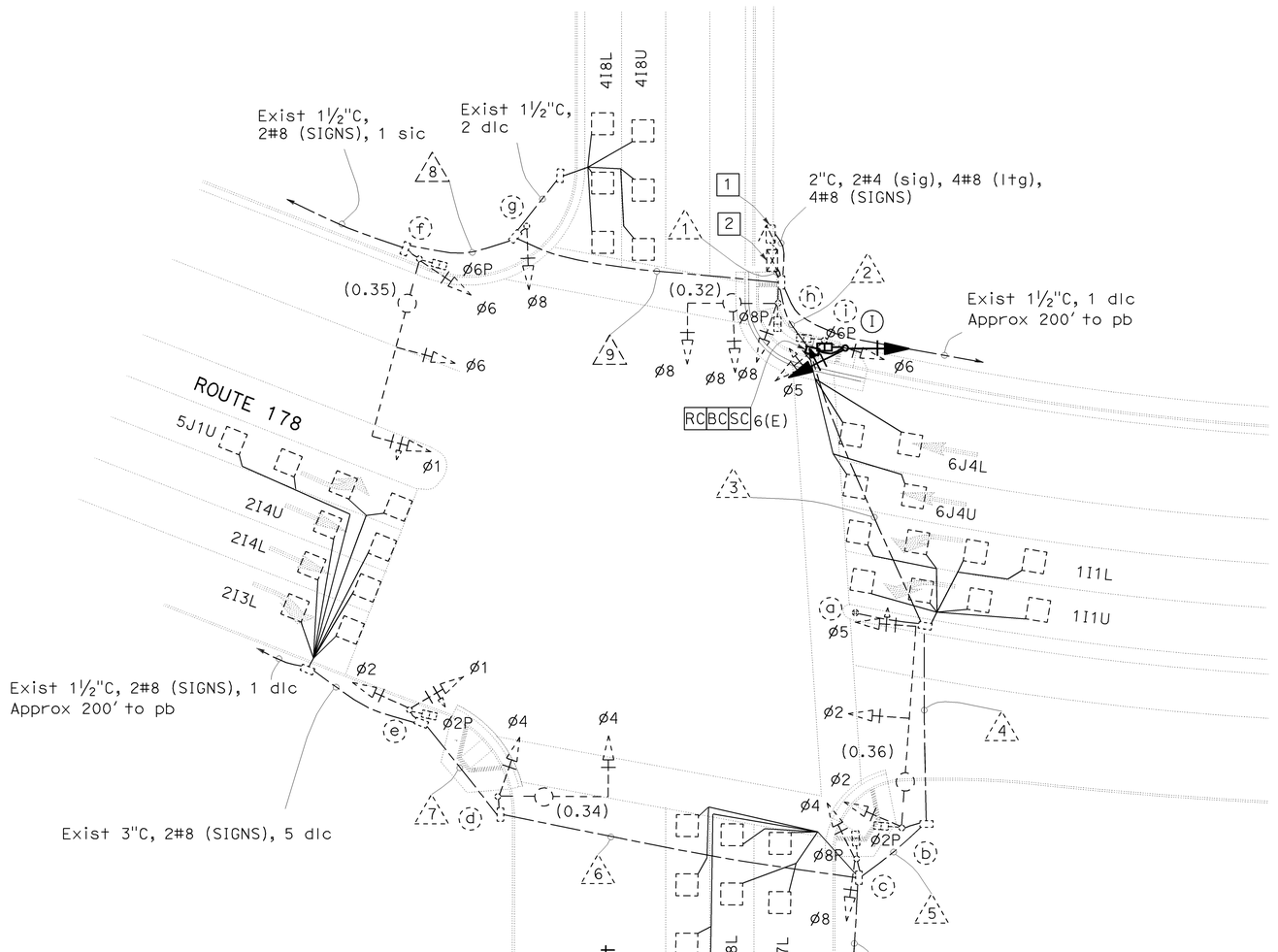
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
OMAR MENDOZA
No. 17982
Exp. 12/31/10
ELECTRICAL
STATE OF CALIFORNIA

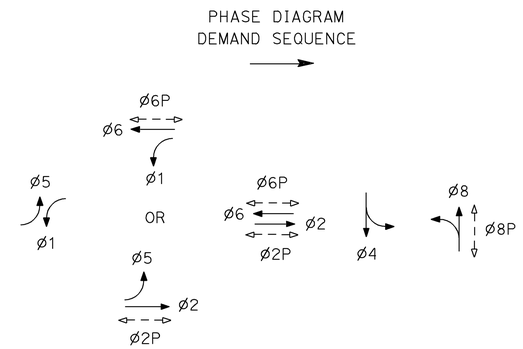
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR NOTES AND SCHEDULES, SEE SHEET E-6.
2. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



PHASE DIAGRAM
DEMAND SEQUENCE



THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY SIGNAL AND LIGHTING (LOCATION 5)

SCALE: 1"=20'

E-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY:

LAST REVISION | DATE PLOTTED => 11-APR-2010
03-22-10 | TIME PLOTTED => 19:05

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 60G940ua007.dgn

CU 06391

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	103	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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: (FOR SHEETS E-8 AND E-9)

1. TO Exist 120/240 V, 1ø, 3-WIRE, TYPE A SERVICE ON SHEET E-10.
2. Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.
3. RC Exist ppb, INSTALL NEW PPB.
4. RL Exist SIGN TO POLE (H).
5. INSTALL Exist SIGN FROM POLE (h).
6. RC Exist ø6 veh sig HEAD and SV-1-T mtg.
7. RC Exist ø6 veh sig HEAD and TV-2-T mtg. INSTALL TV-1-T MTG for Exist ø5 sig HEAD.
8. SEE SIGN PLANS FOR SIGN DETAILS.
9. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

POLE AND EQUIPMENT SCHEDULE

STANDARD				VEH SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
(a)	1-A				TV-1-T		8	← →		3
(b)	17-2-70	15′	12′	mas	SV-1-T	SP-1-T	8	←	150 W	3 8 INSTALL R9-3a SIGN ON Exist sig POLE
(c)	15TS		12′		SV-1-T				150 W	6 8 INSTALL TWO R9-3a SIGNS ON Exist sig POLE
(d)	1-A				TV-2-T					7
(e)	17-2-70	15′	12′	mas	SV-1-T				150 W	RS
(E)	24-4-100	35′	12′	mas mas	SV-2-T	SP-1-T	6	←	200 W	8 INSTALL R9-3a SIGN ON SIG POLE, F=15′
(f)	16-2-70	15′		mas						RS
(g)	17-2-70	15′	12′	mas	SV-1-T				150 W	RS
(G)	26-4-100	40′	12′	mas mas	SV-1-T	SP-1-T			200 W	8 F=15′ INSTALL R3-8 SIGN ON SMA, F=15′
(h)	1-A				TV-1-T	SP-1-T	6	→		4 RS
(H)	1-A				TV-2-T	SP-1-T	8 6	→ ←		5

CONDUIT AND CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION			CONDUIT RUN NUMBER AND SIZE									
CABLE TYPE	POLE	PHASE	* 1	* 2	* 3	* 4	5	6	* 7	8	9	10
			3"	3"	3"	2"	2"	2"	2"	3"	3"	3"
			**	***								
veh-ped #14	(a)	5 / 8	3 / 1				3 / 1			3 / 1		
	(b)	2,8P / 8	6 / 1				6 / 1					
	(c)	6	3									
	(d)	5,6	6		6	6		6	6			
ppb #14	TOTAL		12 / 2		6	6	9 / 2	6	6	3 / 1		
VEH-PED 12CSC	(E)	6,6P / 6		1 / 1						1 / 1		
	(G)	8,8P		1						1	1	
	(H)	5,6,6P / 6,8		1 / 2						1 / 2	1 / 2	1 / 2
PPB 3CSC	TOTAL			3 / 3						3 / 3	2 / 2	1 / 2
AWG	CIRCUIT											
#14	SPARES		3		3		3			3		
#14	sic				2							
#12	ppb COMMON		1		1		1			1		
#10	sig COMMON		1				1			1		
#4	LIGHTING					2	2			2	2	
#4	SIGNAL				2							
	PHASE											
DLC	ø5				1	1		1	1			
	ø8 ADV		2				2					
	TOTAL		2		1	1	2	1	1			

* RC Exist CONDUCTORS NOT TO BE USED.
** Exist CONDUCTORS TO REMAIN AS INDICATED IN THE TABLE.
*** INSTALL CONDUCTORS IN Exist CONDUIT RUN AS SHOWN IN THE TABLE.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY SIGNAL AND LIGHTING (LOCATION 6)

NO SCALE

E-8

CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
REVISED BY:
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 11-APR-2010
03-22-10 | TIME PLOTTED => 19:05

NOTES:

1. FOR NOTES AND SCHEDULES, SEE SHEET E-8.
2. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

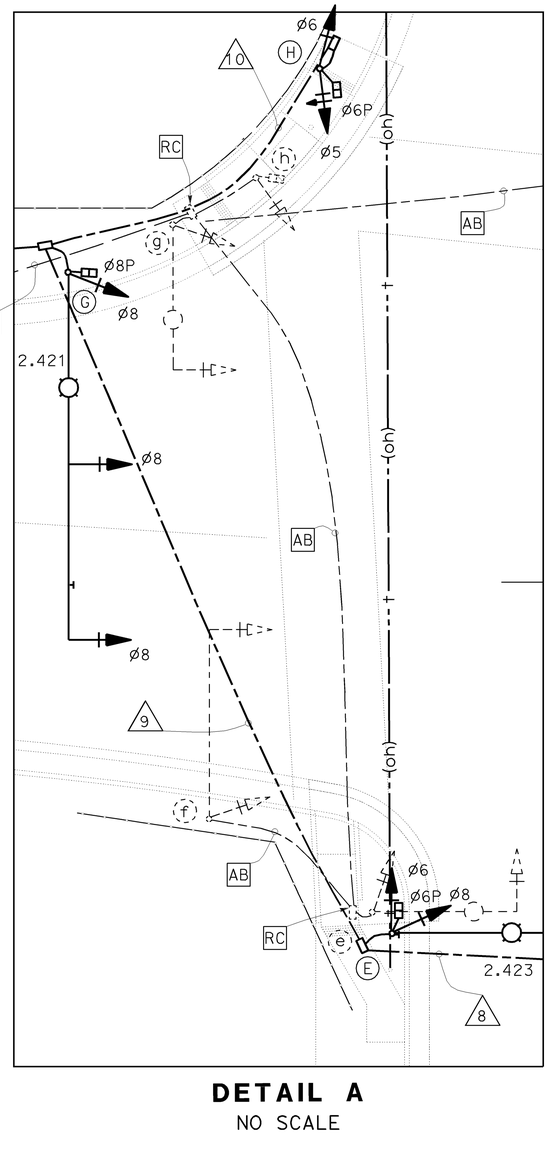
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	104	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

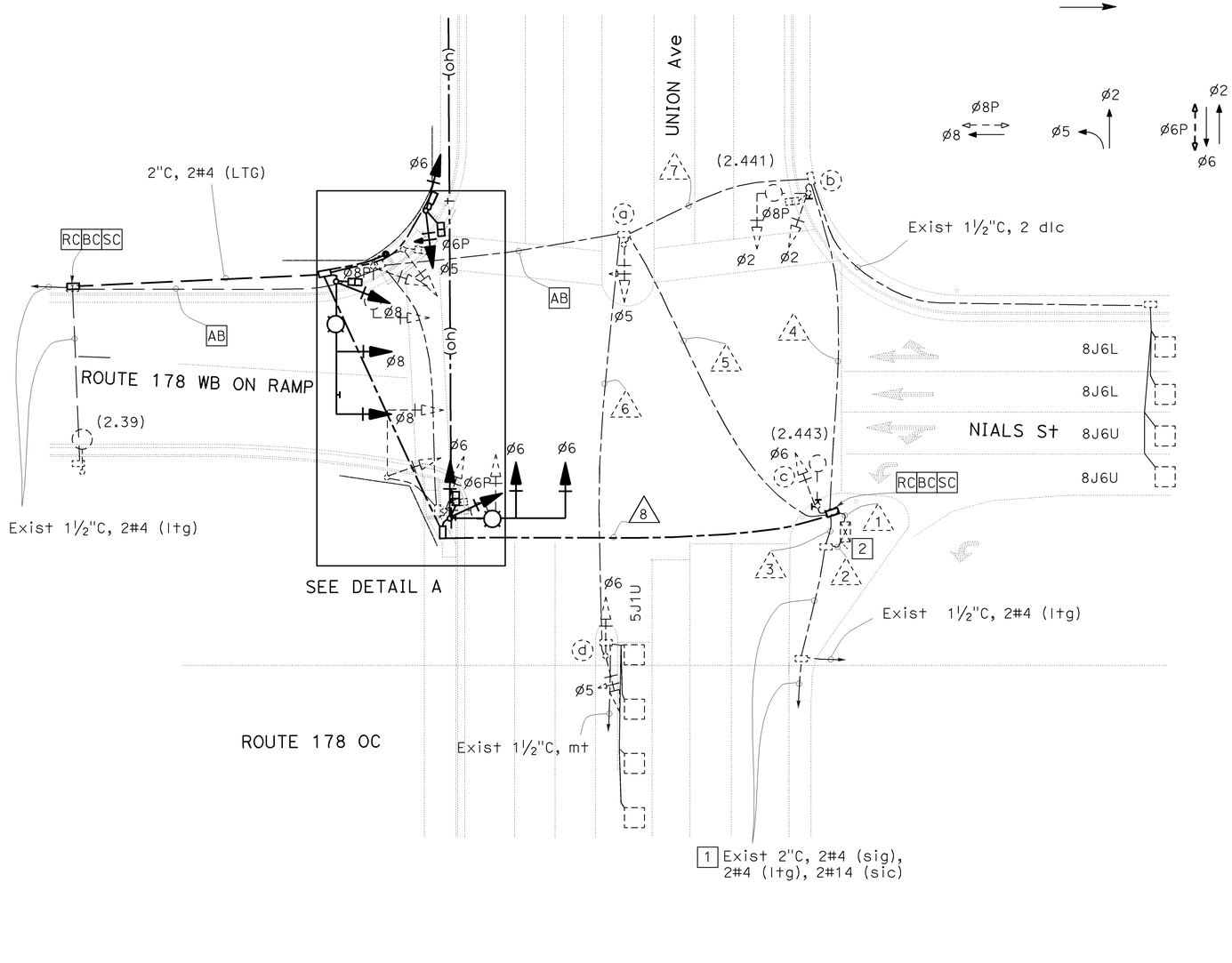
REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — STATE OF CALIFORNIA

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.



DETAIL A
NO SCALE

PHASE DIAGRAM
DEMAND SEQUENCE



MODIFY SIGNAL AND LIGHTING (LOCATION 6)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1"=20'

E-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY

LAST REVISION DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06
03-22-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ua009.dgn
CU 06391
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	105	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

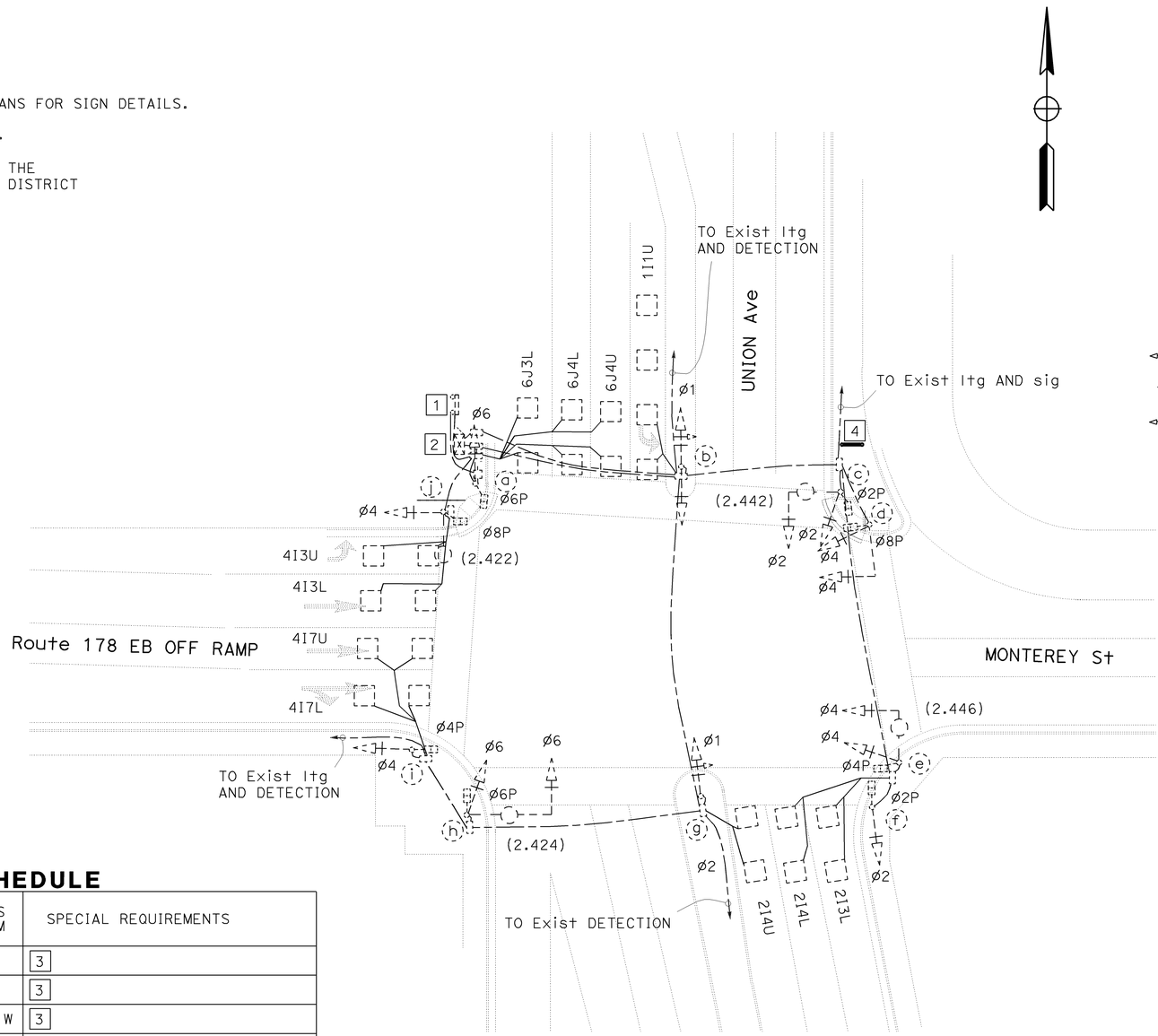
3-22-10
PLANS APPROVAL DATE

OMAR MENDOZA No. 17982 Exp. 12/31/10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — 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: (FOR THIS SHEET ONLY)

1. Exist 120/240 V, 1ø, 3-WIRE, TYPE A SERVICE ON WOOD POSTS WITH TYPE V PEC.
2. Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.
3. RC Exist ppb, INSTALL NEW PPB.
4. TYPE I PEDESTRIAN BARRICADE WITH R9-3b SIGN. SEE SIGN PLANS FOR SIGN DETAILS.
5. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.
6. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



POLE AND EQUIPMENT SCHEDULE

STANDARD				VEH SIG MTG		PED SIG MTG	PPB		HPS LUM	SPECIAL REQUIREMENTS
No.	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
(a)	1-A				TV-1-T	SP-1-T	8	→		3
(b)	1-A				TV-2-T		8	←→		3
(c)	17-2-70	15′	12′	mas	SV-1-T	SP-1-T	8	←	150 W	3
(d)	16-2-70	15′		mas	SV-1-T	SP-1-T	2	→		3
(e)	17-2-70	15′	12′	mas	SV-1-T	SP-1-T	2	←	150 W	3
(f)	1-A				TV-1-T	SP-1-T	4	→		3
(g)	1-A				TV-1-T		4	←→		3
(h)	19-2-70	25′	12′	mas	SV-1-T	SP-1-T	4	←	150 W	3
(i)	1-A				TV-1-T	SP-1-T	6	→		3
(j)	15TS		12′		SV-1-T	SP-1-T	6	←	150 W	3

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY SIGNAL AND LIGHTING (LOCATION 7)

SCALE: 1"=20′

E-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: RAJPREET SINGH
CHECKED BY: OMAR MENDOZA
REVISED BY

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ua010.dgn
CU 06391
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	106	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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: (FOR THIS SHEET ONLY)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 06501840009120T

AMPERES	VOLTS	POLES	NAME PLATE	METER	PHOTOELECTRIC CONTROL TYPE
100	240	3	MAIN	1P-YES 2P-NO	——
70	120	1	SIGNAL	YES	——
30	240	2	LIGHTING	NO	IV

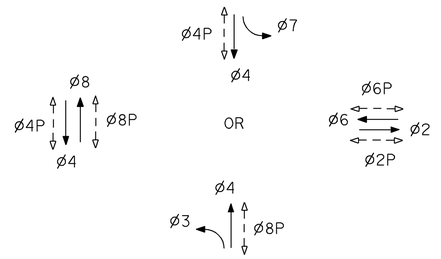
2 Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.

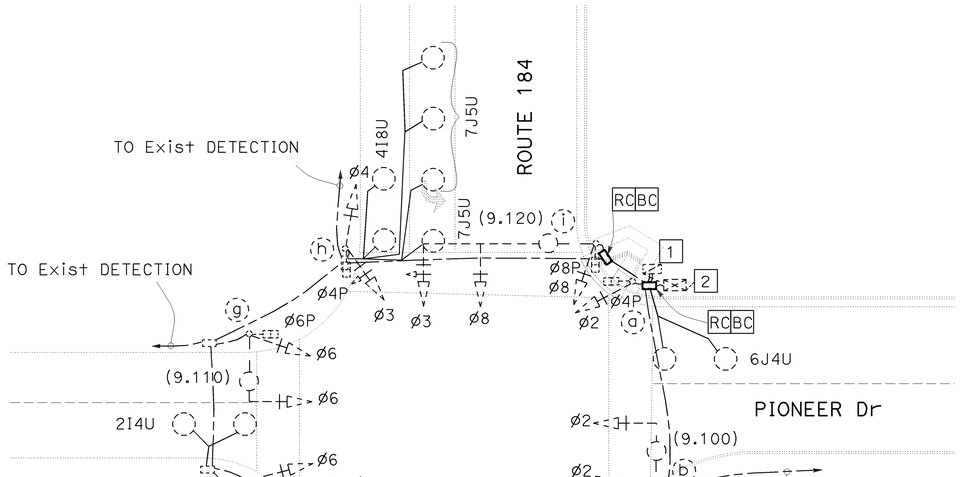
3 RC Exist ppb, INSTALL NEW PPB.

4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

5. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

PHASE DIAGRAM
DEMAND SEQUENCE





POLE AND EQUIPMENT SCHEDULE

STANDARD No.	STANDARD TYPE	SMA	LMA	VEH SIG MTG MAST ARM	VEH SIG MTG POLE	PED SIG MTG	PPB ø	PPB ARROW	HPS LUM	SPECIAL REQUIREMENTS
(a)	1-A				TV-1-T	SP-1-T	8	→		3
(b)	17-1-70	20′	12′	mas	SV-1-T	SP-1-T	8	←	150 W	3
(c)	1-A				TV-2-T	SP-1-T	2	→		3
(d)	19-3-70	30′	12′	mat mas	SV-1-T	SP-1-T			150 W	
(e)	ppb POST						2	←		3
(f)	1-A				TV-1-T	SP-1-T	4	→		3
(g)	17-1-70	18′	12′	mas	SV-1-T	SP-1-T	4	←	150 W	3
(h)	1-A				TV-2-T	SP-1-T	6	→		3
(i)	26-3-70	45′	12′	mat mas	SV-1-T	SP-1-T	6	←	150 W	3

MODIFY SIGNAL AND LIGHTING (LOCATION 8)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

SCALE: 1"=20′

E-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY

LAST REVISION | DATE PLOTTED => 11-APR-2010 | TIME PLOTTED => 19:06
03-22-10

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 | DGN FILE => 60G940ua011.dgn | CU 06391 | EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	107	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OMAR MENDOZA — No. 17982 — Exp. 12/31/10 — ELECTRICAL — 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.

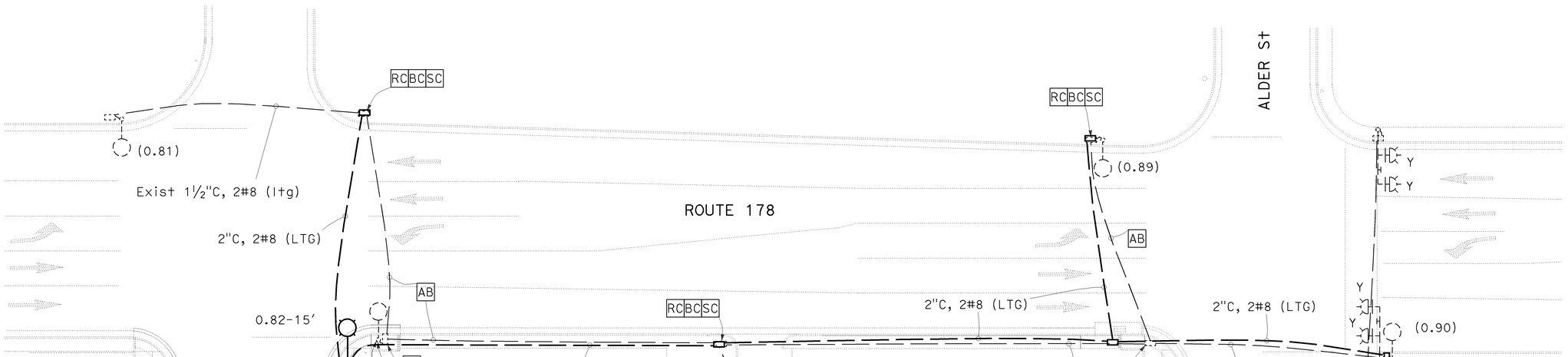
NOTES: (FOR THIS SHEET ONLY)

1 Exist 120/240 V, 1ø, 3-WIRE, TYPE A SERVICE ON UTILIY POLE WITH TYPE V PEC.

2 RL Exist SIGN.

3. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

4. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY LIGHTING
E-12

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

CALCULATED-DESIGNED BY	FUNCTIONAL SUPERVISOR
OMAR MENDOZA	ALI BAKHDOUD
CHECKED BY	REVISED BY
RAJPREET SINGH	

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 600940ua012.dgn
CU 06391
EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	108	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

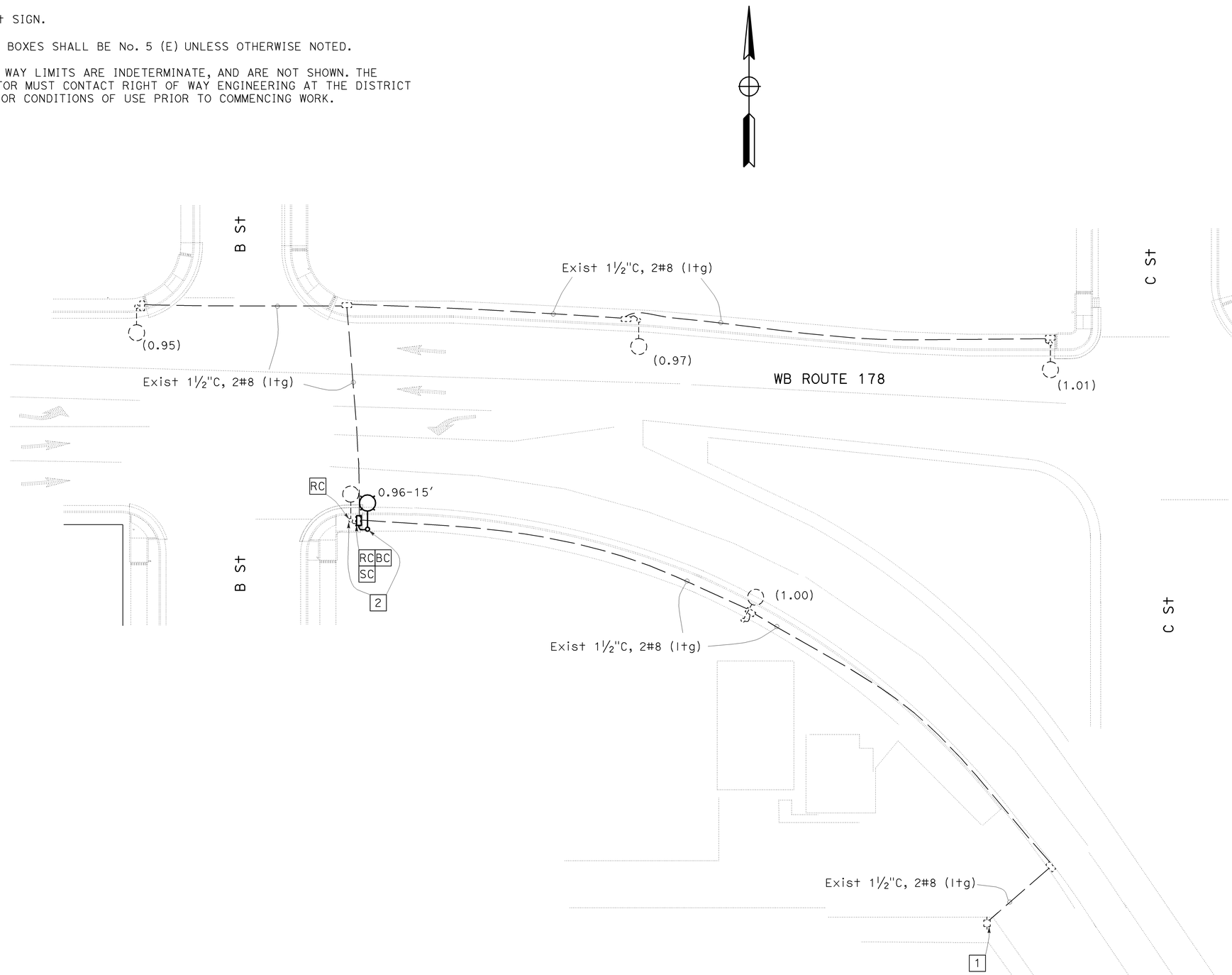
3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
OMAR MENDOZA
No. 17982
Exp. 12/31/10
ELECTRICAL
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: (FOR THIS SHEET ONLY)

1. Exist 120/240 V, 1ø, 3-WIRE, TYPE A SERVICE ON UTILITY POLE WITH TYPE V PEC.
2. RL Exist SIGN.
3. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.
4. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY LIGHTING
E-13

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06

NOTES: (FOR THIS SHEET ONLY)

1 Exist 120/240 V, 1ø, 3-WIRE TYPE C SERVICE ON UTILITY POLE WITH TYPE V PEC.

2 RL Exist SIGN.

3. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.

4. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

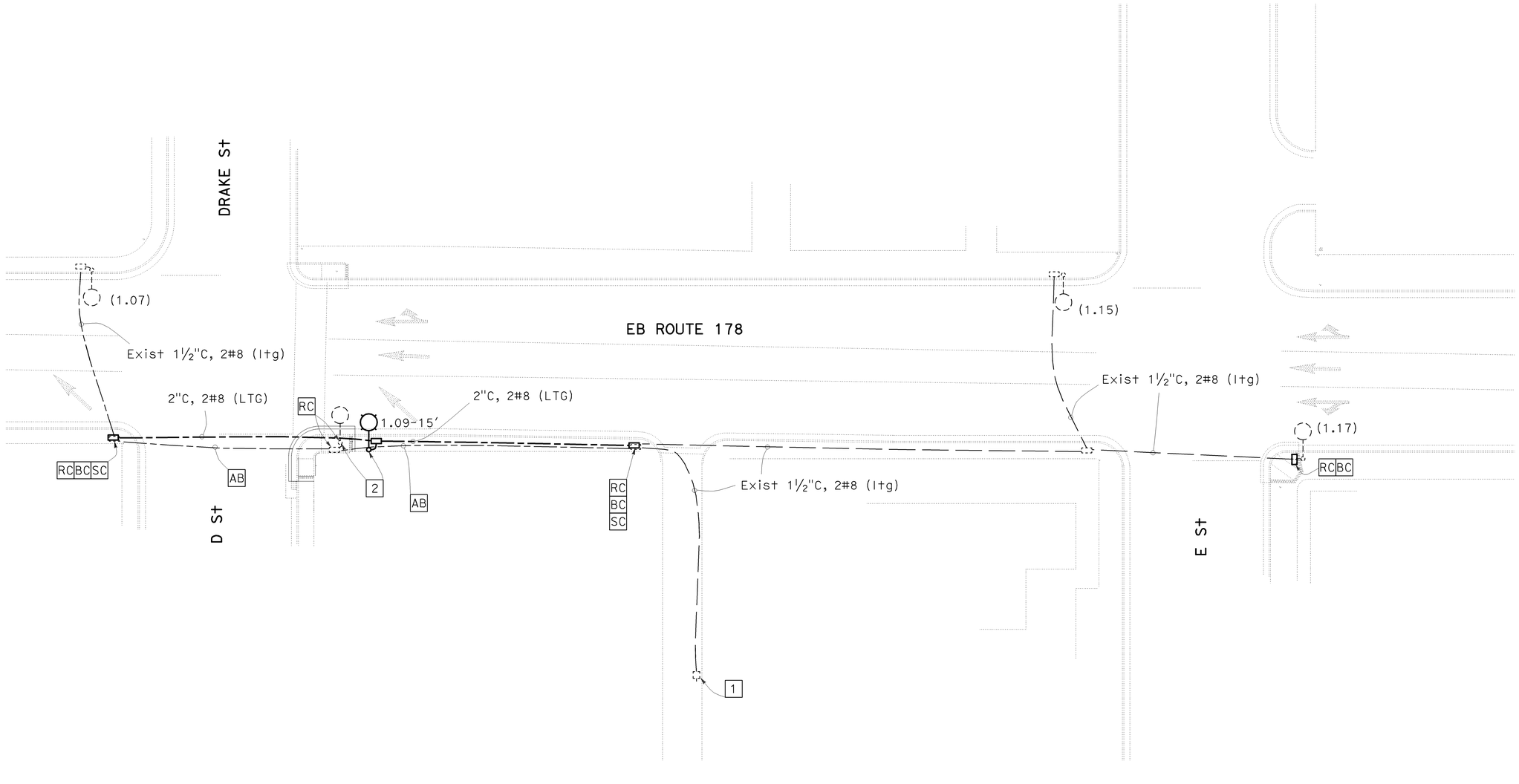
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	109	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

3-22-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
OMAR MENDOZA
No. 17982
Exp. 12/31/10
ELECTRICAL
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.



MODIFY LIGHTING

E-14

SCALE: 1"=20'

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: OMAR MENDOZA
CHECKED BY: RAJPREET SINGH
REVISED BY

LAST REVISION
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06
03-22-10

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s115755
DGN FILE => 600940ua014.dgn

CU 06391

EA 0G9401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	110	129

Omar Mendoza 3-5-10
REGISTERED ELECTRICAL ENGINEER

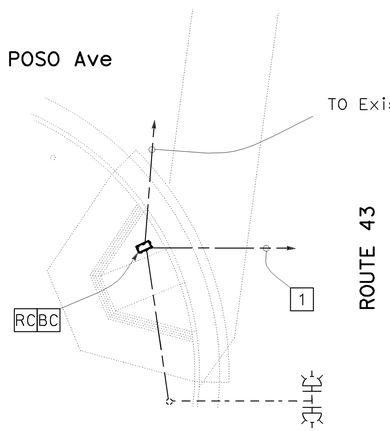
3-22-10
PLANS APPROVAL DATE

OMAR MENDOZA No. 17982 Exp. 12/31/10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

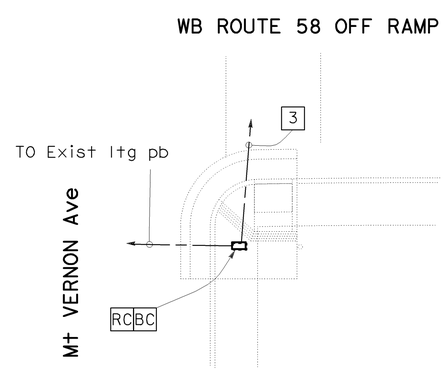
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES: (FOR THIS SHEET ONLY)

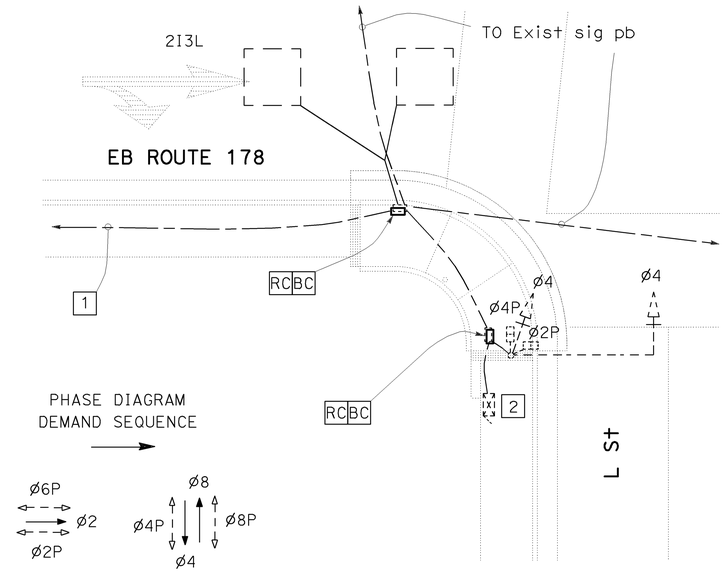
1. TO Exist 120/240 V, TYPE A SERVICE ON UTILITY POLE.
2. Exist MODEL 170 CONTROLLER ASSEMBLY AND bbs.
3. TO Exist 240/480 V, TYPE J SERVICE ON UTILITY POLE.
4. ALL PULL BOXES SHALL BE No. 5 (E) UNLESS OTHERWISE NOTED.
5. RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



CURB RAMP No. 9
ROUTE 43 - PM R24.12
POSO Ave
(SW CORNER)



CURB RAMP No. 56
ROUTE 58 - PM R56.41
WB OFF RAMP TO Mt VERNON Ave
(SE CORNER)



CURB RAMP No. 124
ROUTE 178 - PM 1.62
L St
(SW CORNER)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

REPLACE PULL BOX
E-15

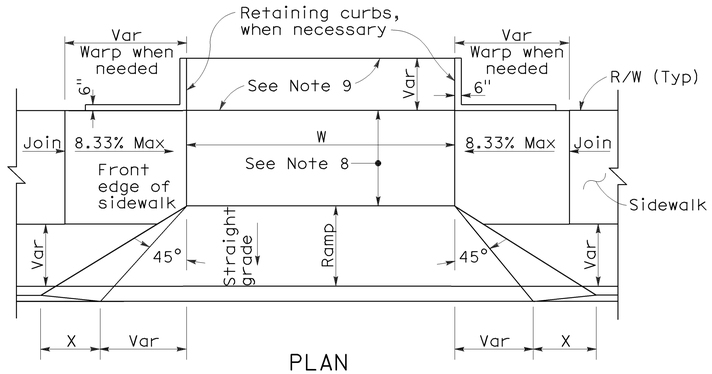
SCALE: 1"=8'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

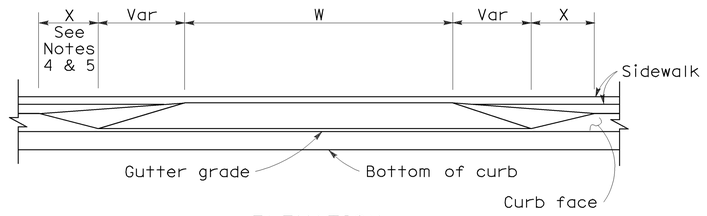
CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY
OMAR MENDOZA	RAJPREET SINGH	ALI BAKHDOUD	

LAST REVISION 03-22-10
DATE PLOTTED => 11-APR-2010
TIME PLOTTED => 19:06

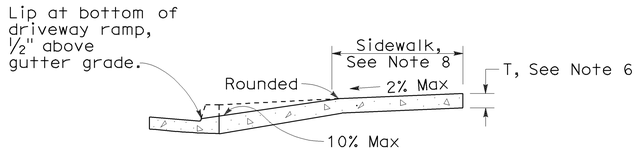
BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60G940ua015.dgn
CU 06391
EA 0G9401



PLAN

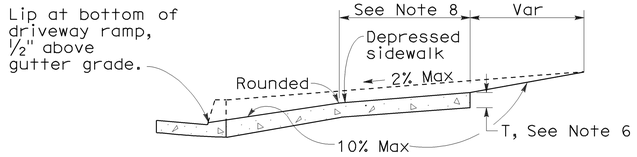


ELEVATION



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	111	129

REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

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

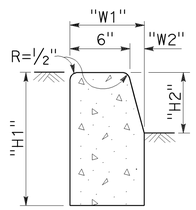
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-22-10

TABLE A

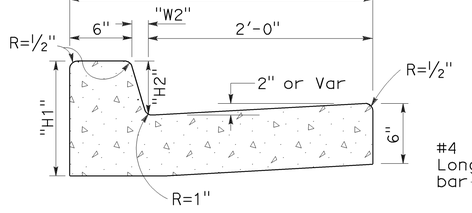
CURB TYPE	DIMENSIONS "H1"	"H2"	"W1"	"W2"
A1-6	1′-2"	6"	7½"	1½"
A1-8	1′-4"	8"	8"	2"
A2-6	1′-0"	6"	2′-7½"	1½"
A2-8	1′-2"	8"	2′-8"	2"
A3-6	6"	5"	7¼"	1¼"
A3-8	8"	7"	7¾"	1¾"
B1-4	1′-0"	4"	7½"	2½"
B1-6	1′-2"	6"	9"	4"
B2-4	10"	4"	2′-7½"	2½"
B2-6	1′-0"	6"	2′-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8½"	3½"
D-4	10"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

DRIVEWAYS



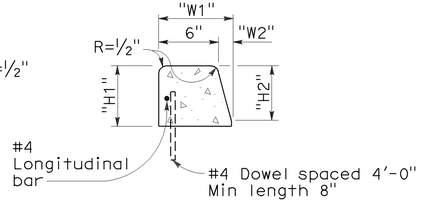
TYPE A1 CURBS

See Table A



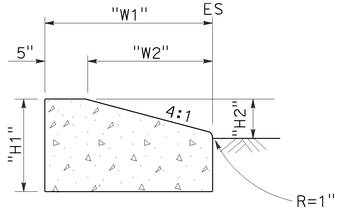
TYPE A2 CURBS

See Table A



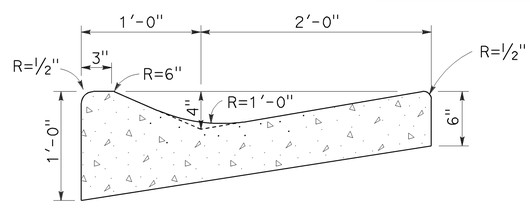
TYPE A3 CURBS

Superimposed on existing pavement
See Table A

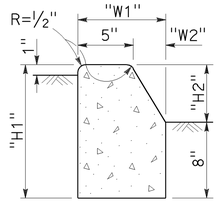


TYPE D CURBS

See Table A

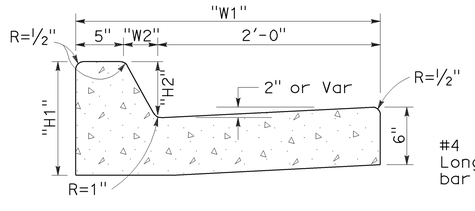


TYPE E CURB



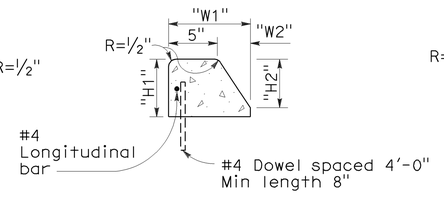
TYPE B1 CURBS

See Table A



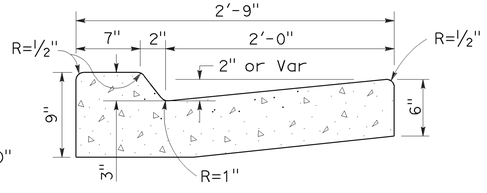
TYPE B2 CURBS

See Table A

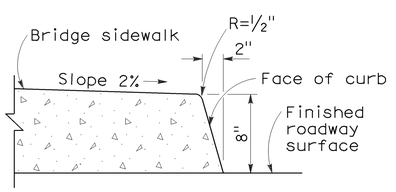


TYPE B3 CURBS

Superimposed on existing pavement
See Table A



TYPE B4 CURBS



TYPE H CURB

On Bridges

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.

CURBS

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

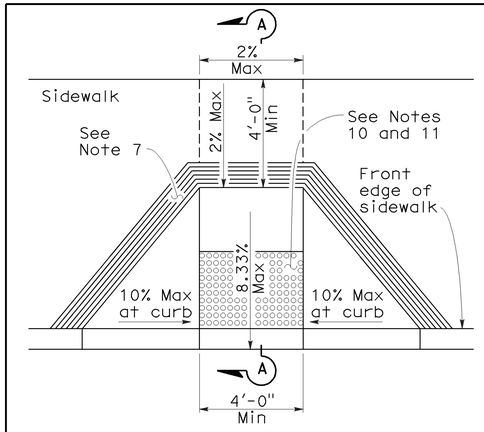
NO SCALE

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

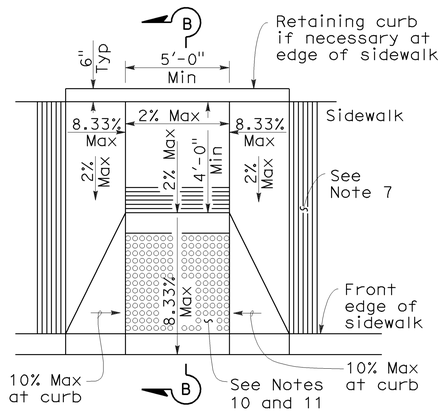
REVISED STANDARD PLAN RSP A87A

2006 REVISED STANDARD PLAN RSP A87A

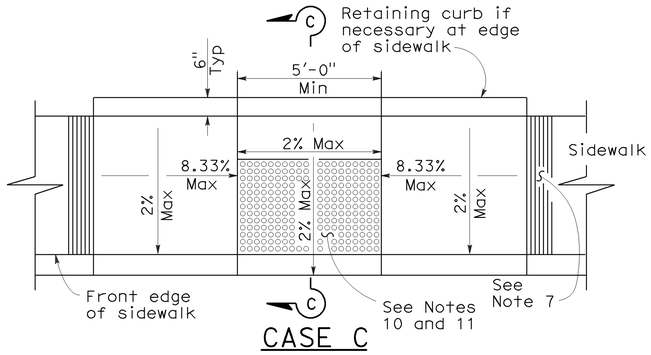
10-25-06



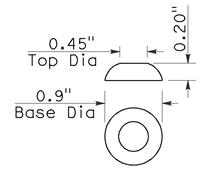
CASE A



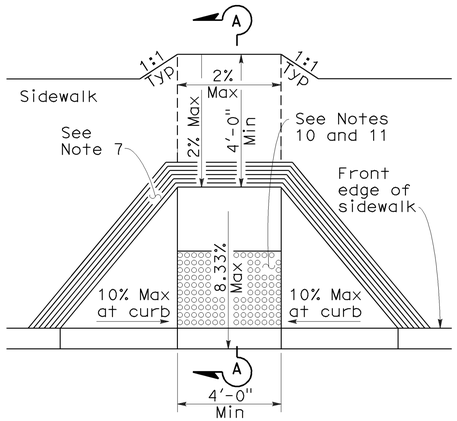
CASE B



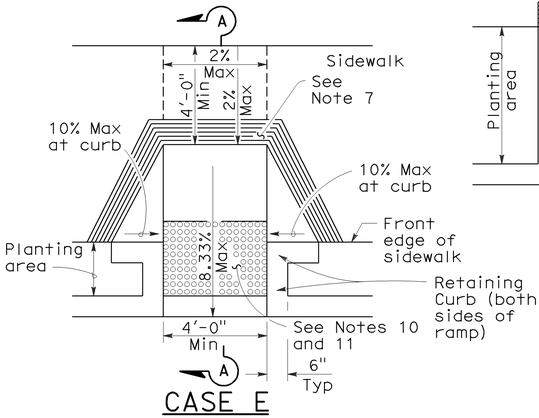
CASE C



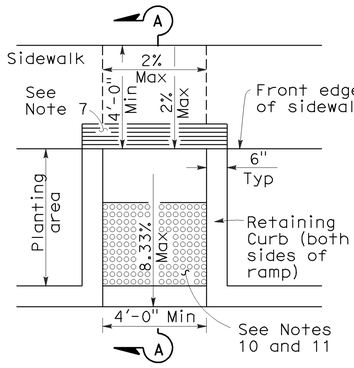
RAISED TRUNCATED DOME



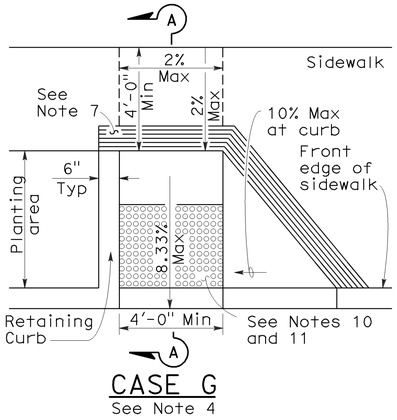
CASE D



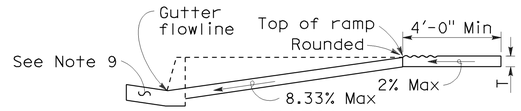
CASE E



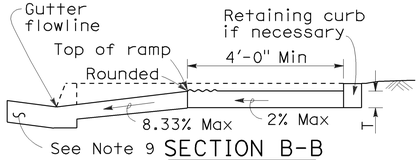
CASE F



CASE G
See Note 4

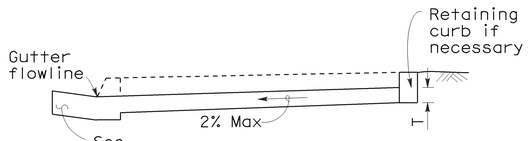


SECTION A-A

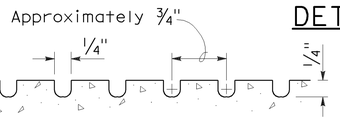


SECTION B-B

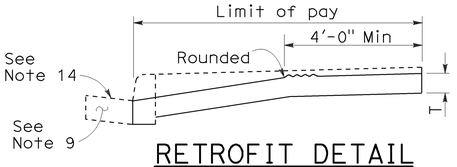
Depress entire sidewalk as required



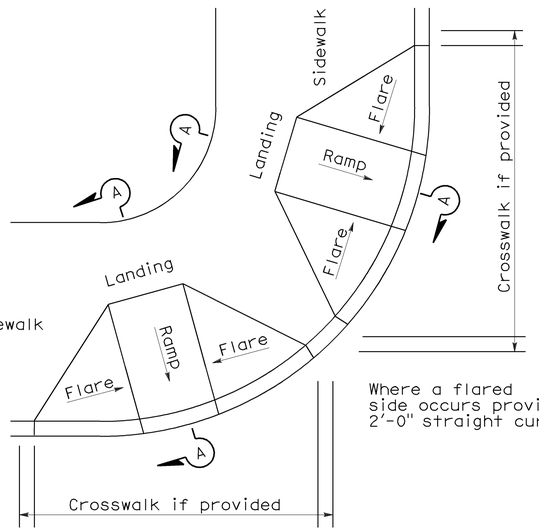
SECTION C-C



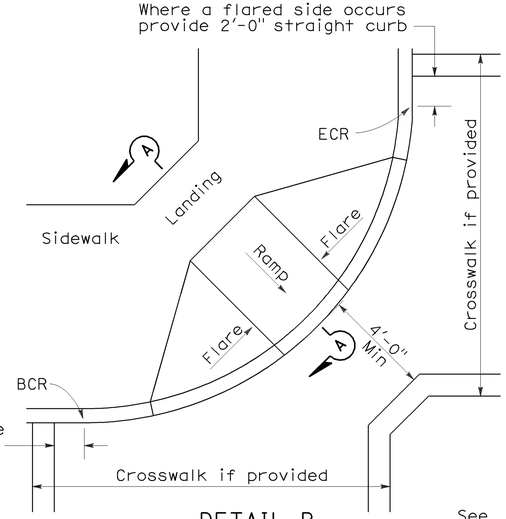
GROOVING DETAIL



RETROFIT DETAIL
Existing curb and sidewalk



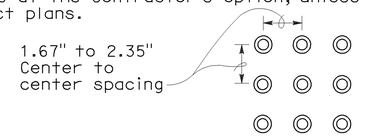
DETAIL A
TYPICAL TWO-RAMP CORNER INSTALLATION
See Note 1



DETAIL B
TYPICAL ONE-RAMP CORNER INSTALLATION
See Notes 1 and 3

NOTES:

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-0" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-0".
6. Side slope of ramp flares vary uniformly from a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The curb ramp shall be outlined, as shown, with a 1'-0" wide border with ¼" grooves approximately ¾" on center. See grooving detail.
8. Transitions from ramps and landing to walks, gutters or streets shall be flush and free of abrupt changes.
9. Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp or accessible route shall not exceed 5 percent within 4'-0" of the top and bottom of the curb ramp.
10. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable Warning Surfaces shall conform to the details on this plan and the requirements in the Special Provisions.
11. The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
12. Sidewalk and ramp thickness, "T", shall be 3½" minimum.
13. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
14. For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.



RAISED TRUNCATED DOME PATTERN (IN-LINE)
DETECTABLE WARNING SURFACE
See Note 10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	112	129

H. David Cordova
REGISTERED CIVIL ENGINEER

Hector David Cordova No. C41957 Exp. 3-31-08 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

September 1, 2006
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.

To accompany plans dated 3-22-10

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

NO SCALE

RSP A88A DATED SEPTEMBER 1, 2006 SUPERSEDES STANDARD PLAN A88A DATED MAY 1, 2006 - PAGE 115 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A88A

2006 REVISED STANDARD PLAN RSP A88A

8-3-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	113	129

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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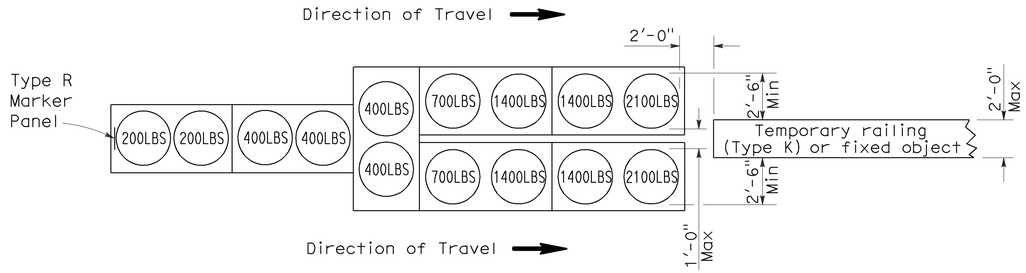
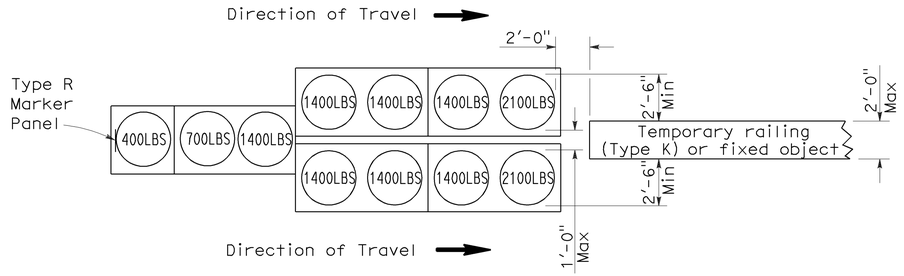
To accompany plans dated 3-22-10



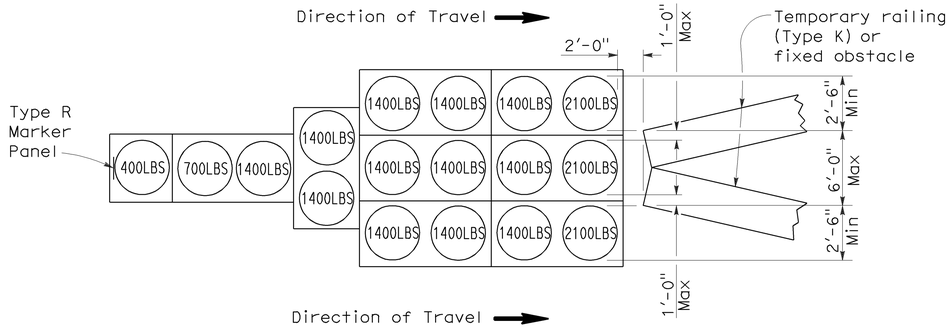
ARRAY 'TU14'

Approach speed 45 mph or more



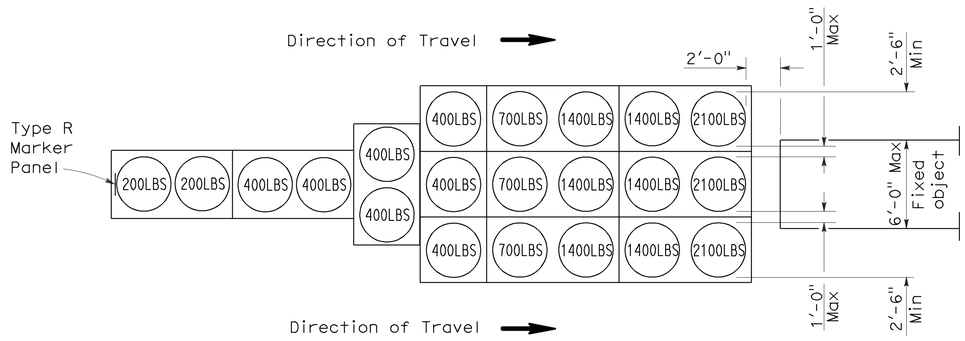
ARRAY 'TU11'

Approach speed less than 45 mph



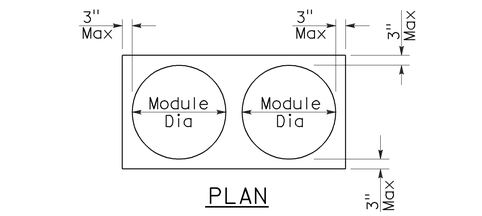
ARRAY 'TU17'

Approach speed less than 45 mph

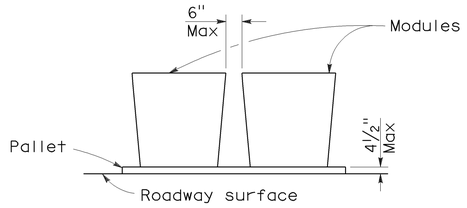


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	114	129

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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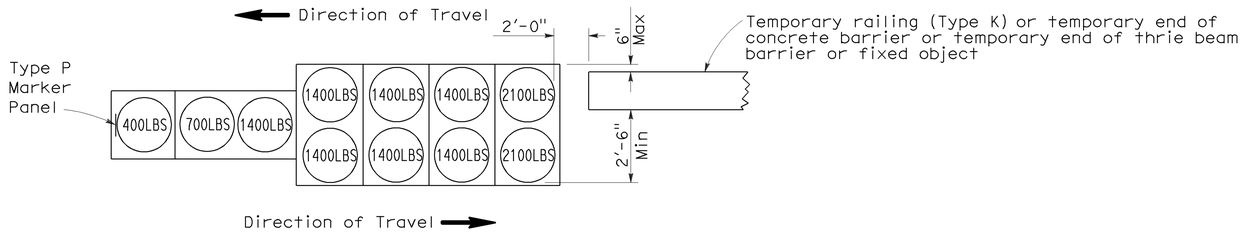
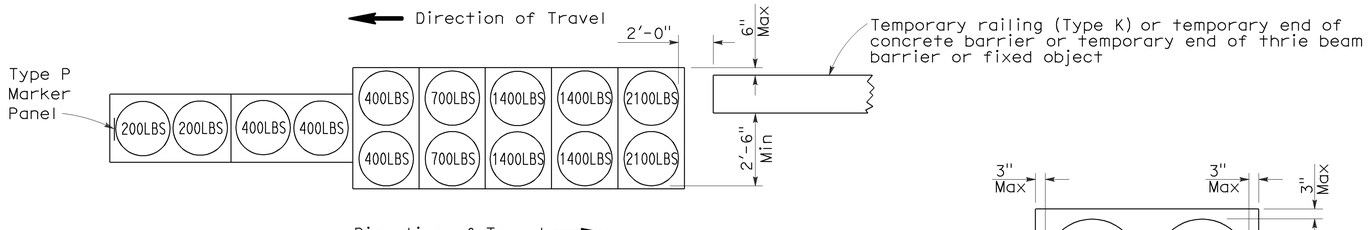
To accompany plans dated 3-22-10



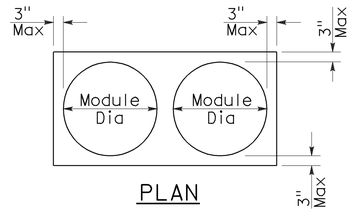
ARRAY 'TB11'

Approach speed less than 45 mph

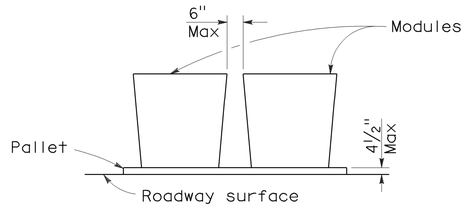


ARRAY 'TB14'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	115	129

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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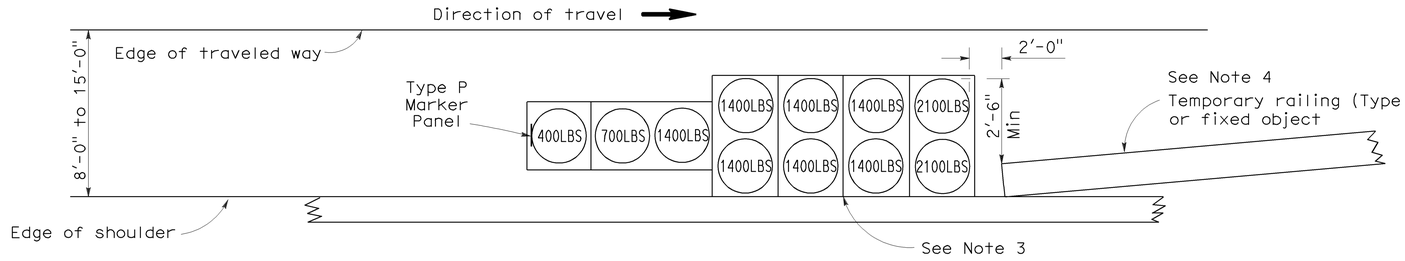
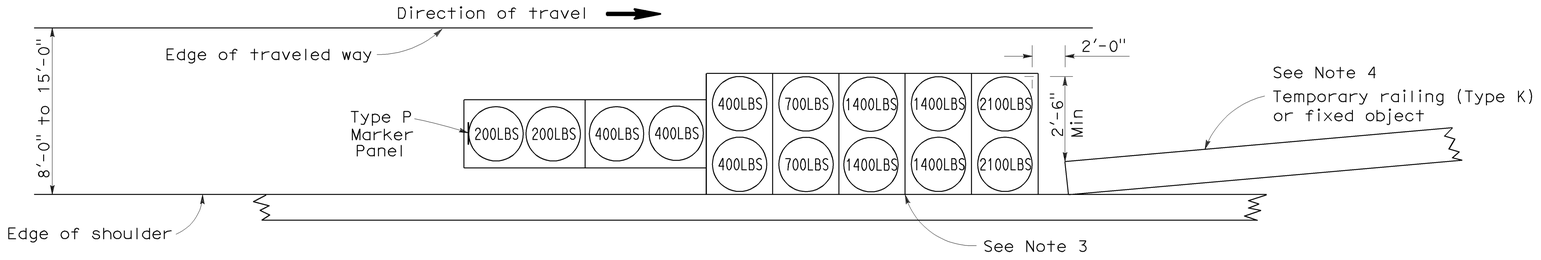
To accompany plans dated 3-22-10



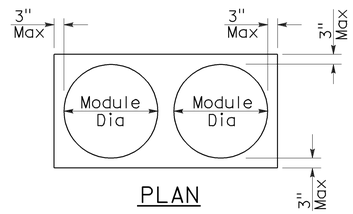
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

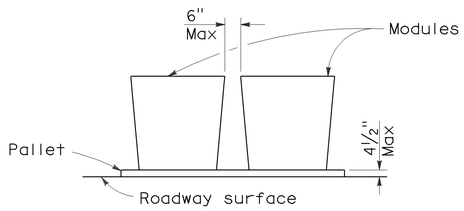


ARRAY 'TS14'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	116	129

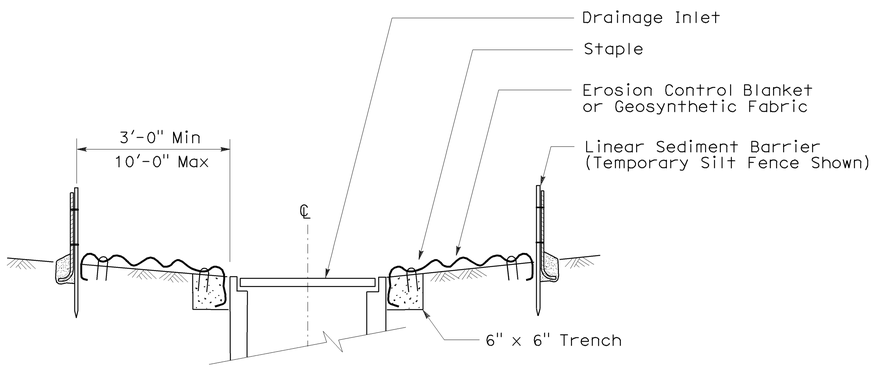
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

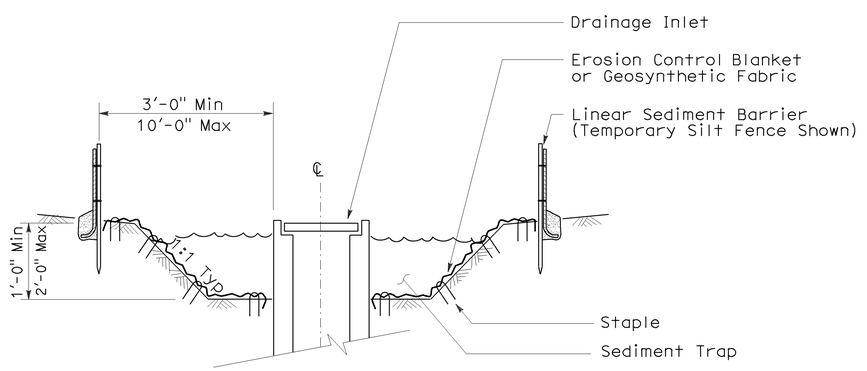
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3835 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

To accompany plans dated 3-22-10



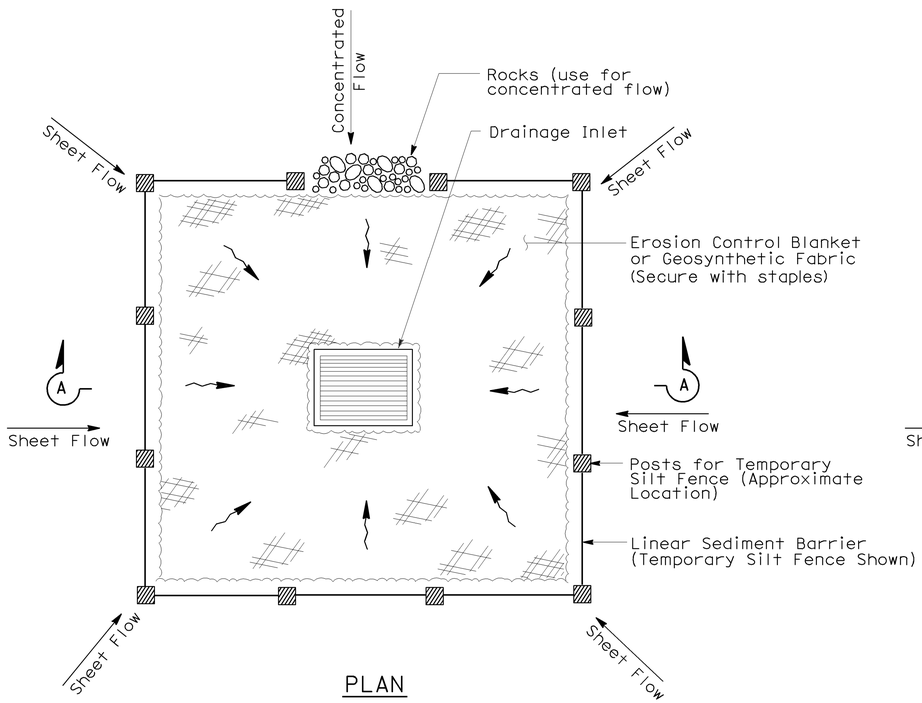
SECTION A-A



SECTION B-B

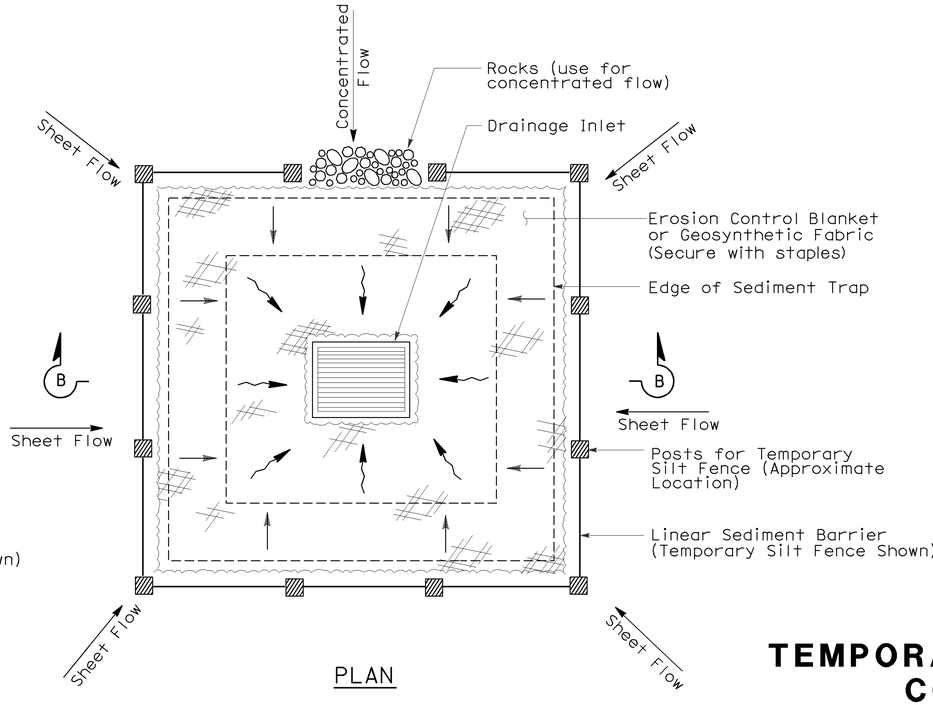
NOTES:

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



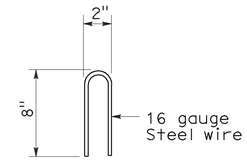
PLAN

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)

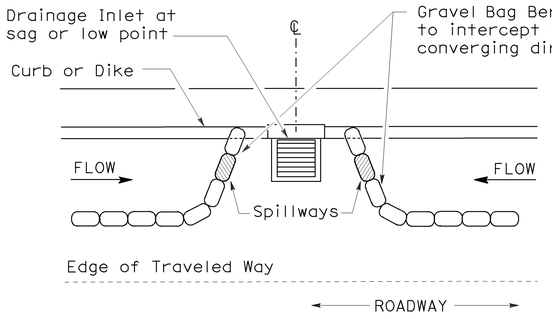
NO SCALE

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

7-11-08



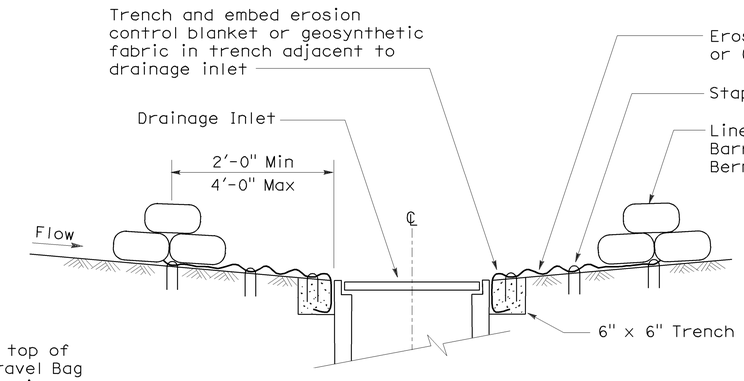
PLAN

CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

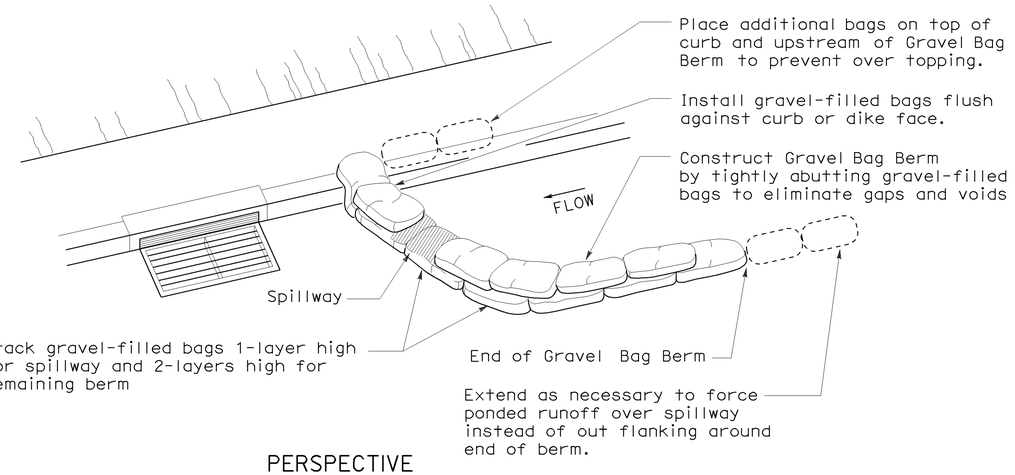
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

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′

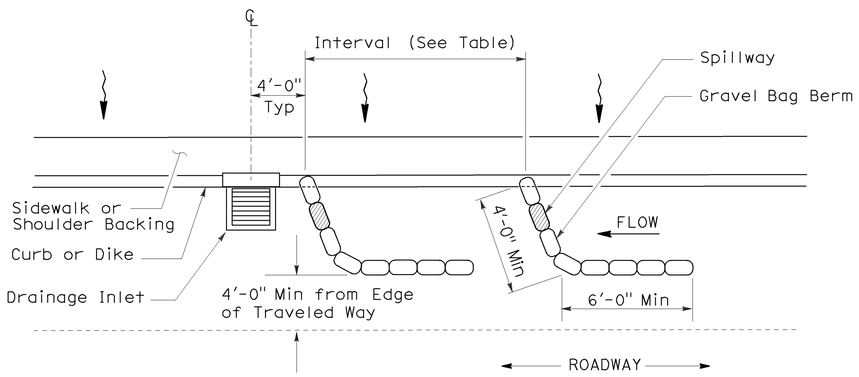
For slope of less than 1%, install barriers only if erosion/sediment is prevalent



SECTION A-A

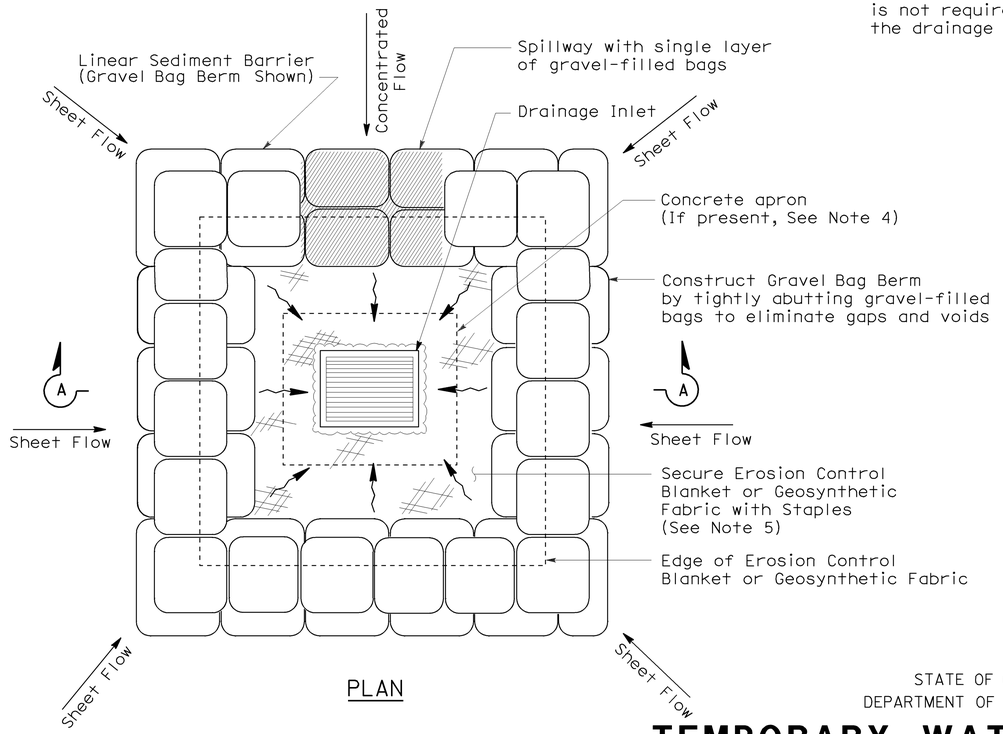


PERSPECTIVE



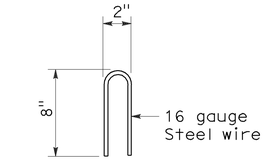
PLAN

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



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

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.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	117	129

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3825 Signed 11-04-08 Renewal Date 08-11-08 Date 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 3-22-10

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

7-11-08

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′

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	118	129

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3825 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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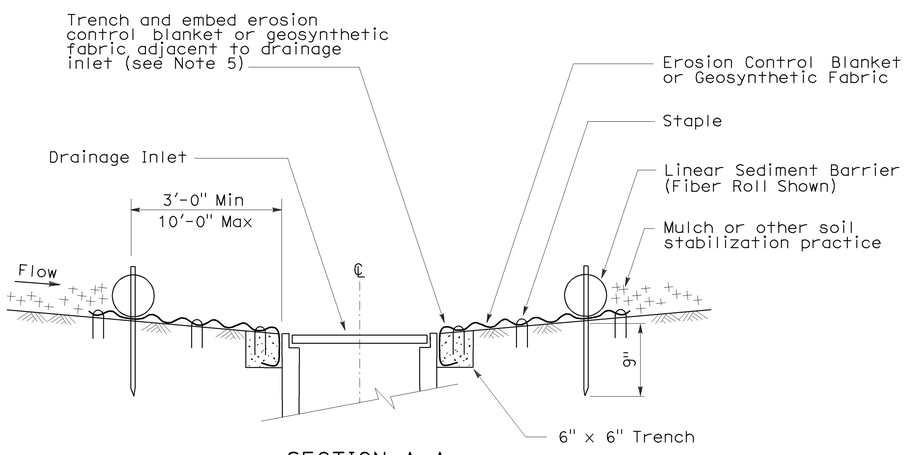
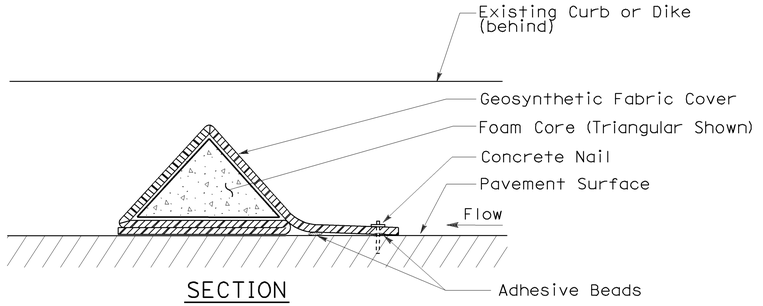
To accompany plans dated 3-22-10

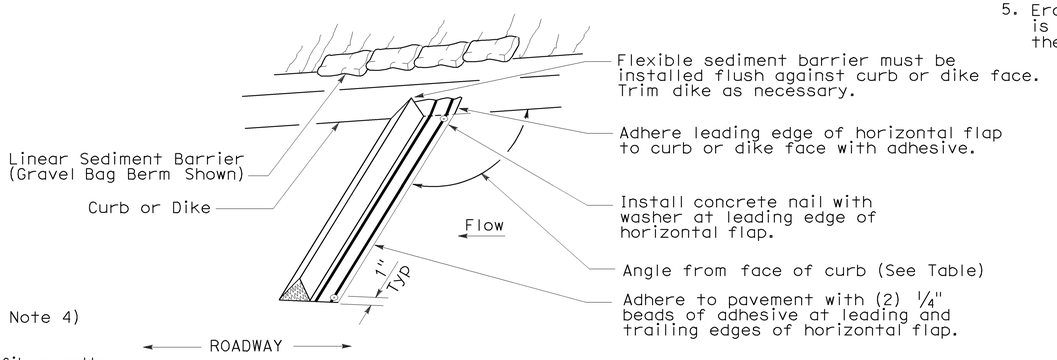


SECTION A-A

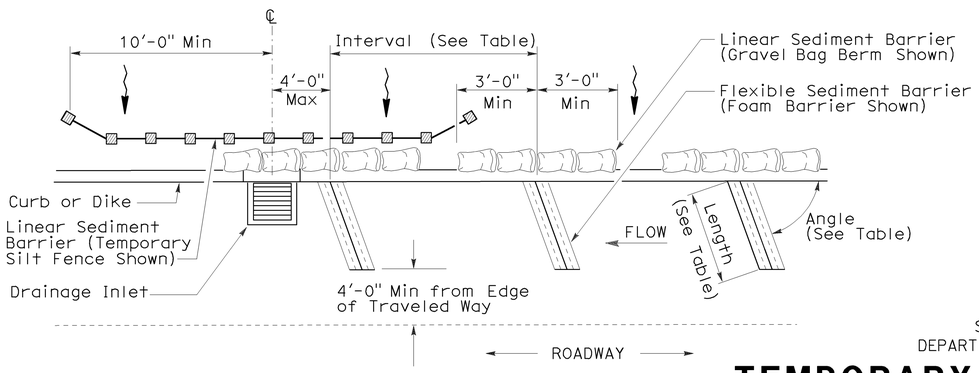


SECTION

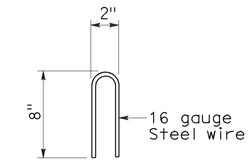
FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)



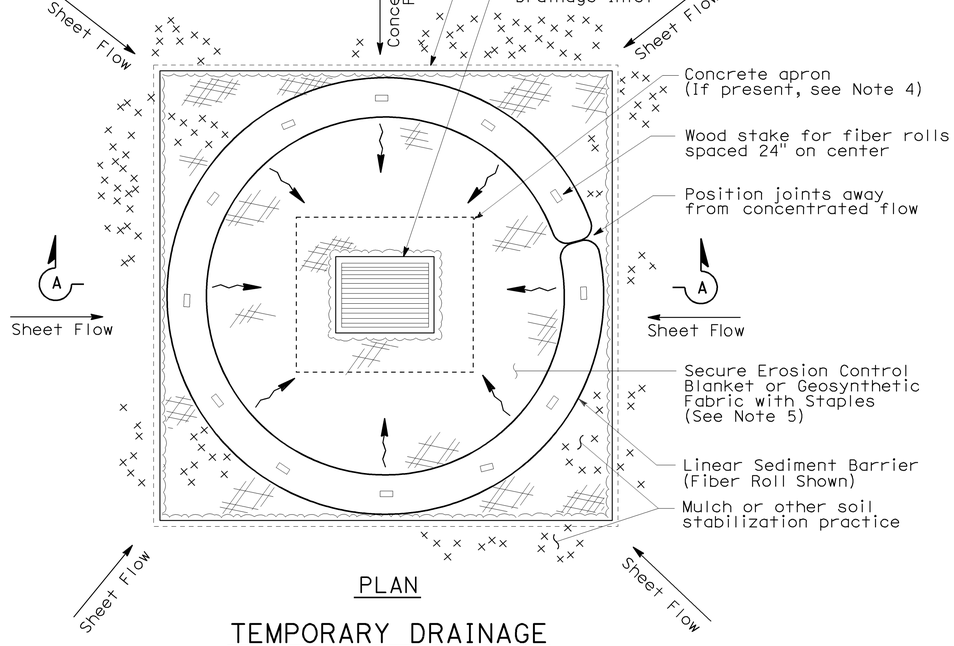
PERSPECTIVE



PLAN



STAPLE DETAIL



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)

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

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.

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

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	119	129

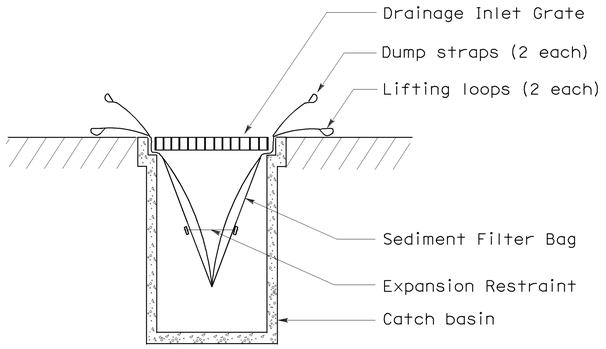
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3835 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

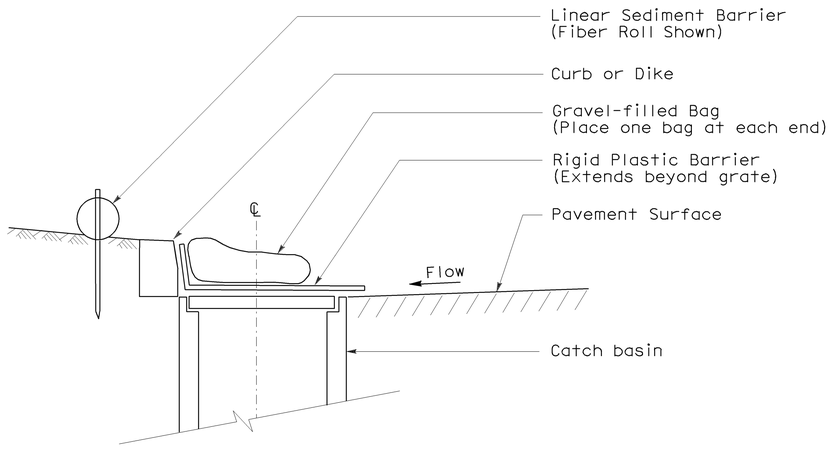
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-22-10



SECTION B-B

SEDIMENT FILTER BAG DETAIL

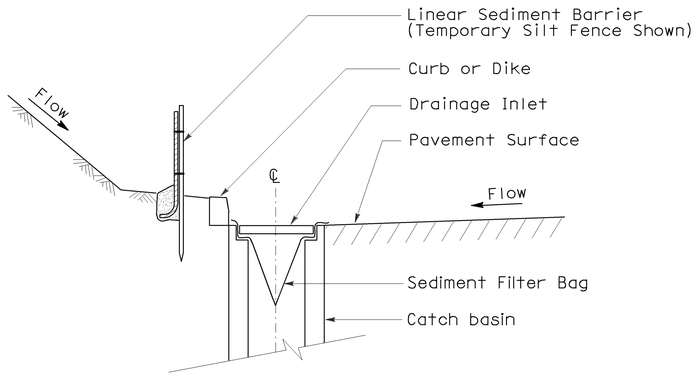


SECTION

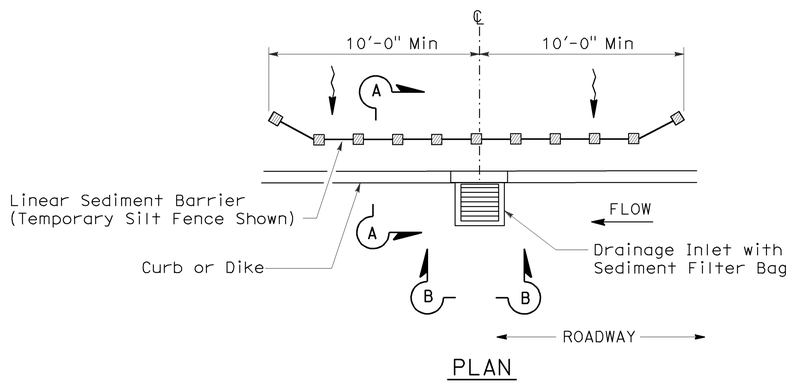
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6A) (CATCH BASIN WITH GRATE)

NOTES:

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

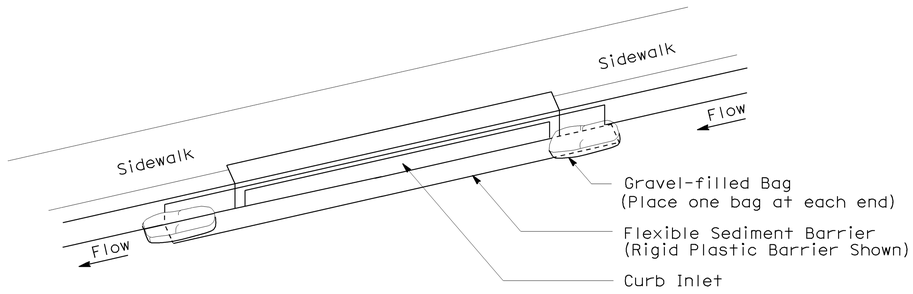


SECTION A-A



PLAN

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



PERSPECTIVE

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

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

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	120	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

October 5, 2007
PLANS APPROVAL DATE

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To accompany plans dated 3-22-10

ELECTROLIERS

STANDARD TYPES
15, 15D
15 STRUCTURE
21, 21D STRUCTURE
30
31
32
35
36-20A

High mast light pole

Double Arm lighting standard

Existing electrolier

Electrolier foundation (Future installation)

NOTES:

1. Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
2. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
3. Variations noted adjacent to symbol on project plans.

Electrolier (see project notes or project plans)

Luminaire on wood pole

STANDARD NOTES:

AB	Abandon. If applied to conduit, remove conductors.
BC	Install pull box in existing conduit run.
BP	Pedestrian barricade, type as indicated on plan.
CB	Install conduit into existing pull box.
CC	Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
CF	Conduit to remain for future use. Remove conductors. Install pull wire or rope.
DH	Detector handhole.
FA	Foundation to be abandoned.
IS	Install sign on signal mast arm.
NS	No slip base on standard.
PEC	Photoelectric control.
PEU	Photoelectric unit.
RC	Equipment or material to be removed and become the property of the Contractor.
RE	Remove electrolier, fuses and ballast. Tape ends of conductors.
RL	Relocate equipment.
RR	Remove and reuse equipment.
RS	Remove and salvage equipment.
SC	Splice new to existing conductors.
SD	Service disconnect.
SF	Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
TSP	Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED	EXISTING	
BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces,
MAS-4B	mas-4B	side attachment - 4 signal section
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces,
MAS-5B	mas-5B	side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

SOFFIT AND WALL MOUNTED LUMINAIRES

Pendant, 70 W HPS unless otherwise specified.

Flush, 70 W HPS unless otherwise specified.

Wall surface, 70 W HPS unless otherwise specified.

Existing soffit or wall luminaire to remain unmodified.

Existing soffit or wall luminaire to be modified as specified.

NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A
DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	121	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jeffery G. McRae — No. E14512 — Exp. 6-30-08 — ELECTRICAL — STATE OF CALIFORNIA

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To accompany plans dated 3-22-10

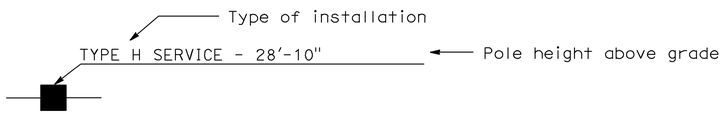
CONDUIT

PROPOSED	EXISTING	
— — —	— — —	Lighting Conduit, unless otherwise indicated or noted
— - — - —	— - — - —	Traffic signal conduit
—C— —	—c— —	Communication conduit
—T— —	—t— —	Telephone conduit
—F— —	—f— —	Fire alarm conduit
—FO— —	—fo— —	Fiber optic conduit
— — —]	— — —]	Conduit termination (RSP ES-9A C)
R	r	Conduit riser in/on structure or service pole

SERVICE EQUIPMENT

PROPOSED	EXISTING	
OH	oh	Overhead lines
U	U	Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
III		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
T	t	Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
PV	PV	Modifications of basic symbols: "L" Indicates all non-arrow sections louvered "LG" Indicates louvered green section only "PV" Indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
R	Y	Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.
3. Signal indication shall be LED.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

2006 REVISED STANDARD PLAN RSP ES-1B

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	122	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jeffery G. McRae — No. E14512 — Exp. 6-30-08 — ELECTRICAL — STATE OF CALIFORNIA

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To accompany plans dated 3-22-10

EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:

Sign No. 12345 — Sign number - Place on post or structure

10 ISL SCI 1.0
- 1.0 — Transformer rating (kVA)
- SCI — Lighting control type
- ISL — Number and type of fixtures

Do NOT place on standard or structure

ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:

12345 - 15'-0"
- 15'-0" — Mast arm length, if shown. Do not place on standard or structure.
- 12345 — Equipment number - Place on standard or structure. Existing equipment numbers are shown in parenthesis

CONDUIT AND CONDUCTOR IDENTIFICATION:

1½"C, 2#10, 15#14, 2 DLC
- 2#10, 15#14, 2 DLC — Number and size of conductors and cables
- 1½"C, — Size of conduit in inches

Ø1, Ø2, Ø2P, etc.	Traffic phase identification for signal faces, detectors and phase diagrams
1 2 3	Project note numbers
A B C	Equipment description, installation or item numbers
1 2 3	Conduit run numbers

SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):

19A - 3 - 100
- 100 — Wind velocity = 100 mph
- 3 — Case 3 arm loading
- 19A — Standard type
- Standard Plan sheet number
- Detail number or letter

MISCELLANEOUS EQUIPMENT

PROPOSED	EXISTING	
CMS	cms	Changeable message sign
		Closed circuit television camera
		Highway advisory radio pole and antenna
EMS	ems	Extinguishable message sign
M V	m v	Detection device M = Microwave sensor V = Video image sensor

WIRING DIAGRAM LEGEND

P	Pole
CB	Circuit breaker
A	Ampere
V	Volt
M	Metered
UM	Unmetered
NB	Neutral bus
GB	Ground bus
G	Equipment grounding conductor
N	Grounded conductor (Neutral)

- External conductor
- Conductor or bus
- Tie point
- Contactor coil
- Contactor, Contact NO
- Terminal blocks
- Contactor, Contact NC
- Enclosure bond
- Grounding electrode
- Circuit breaker
- Receptacle

PULL BOXES

PROPOSED — EXISTING

Pull box-No. 5 unless otherwise indicated or noted.

3 — 9A(21)

Pull box-Additional designations or descriptions

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

VEHICLE DETECTORS

5 J 9 U
- 9 — Vehicle detector designation
- J — U = Upper, L = Lower
- 5 — Slot number in input file
- Input file (I or J)
- Phase

PROPOSED — EXISTING

	Type A detector loop. Outline of sawcut shown.
	Type B detector loop. Outline of sawcut shown.
	Type C detector loop. Outline of sawcut shown.
	Type D detector loop. Outline of sawcut shown.
	Type E detector loop. Outline of sawcut shown.
	Type Q detector loop. Outline of sawcut shown.
	Magnetic detector
DH dh	Detector handhole
	Microwave or video detection zone

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	123	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

Jeffery G. McRae
No. E14512
Exp. 6-30-10
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

June 6, 2008
PLANS APPROVAL DATE

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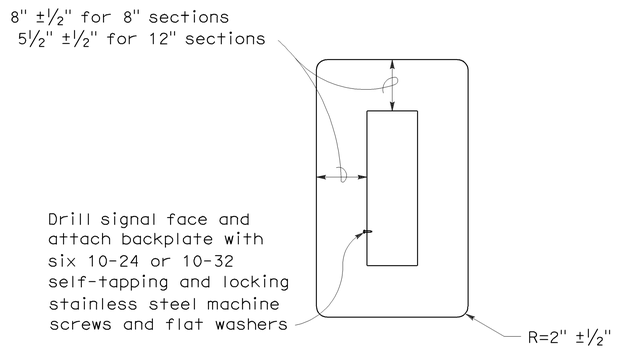
To accompany plans dated 3-22-10

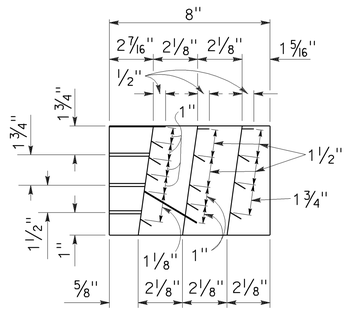
VISORS



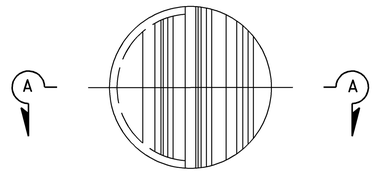
8" AND 12" SECTIONS

BACKPLATE

1/16" minimum thickness
3001-14 aluminum, or plastic when specified



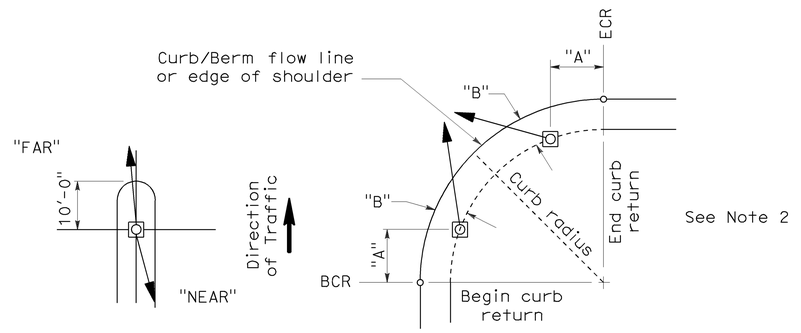
SECTION A-A



FRONT VIEW

DIRECTIONAL LOUVER

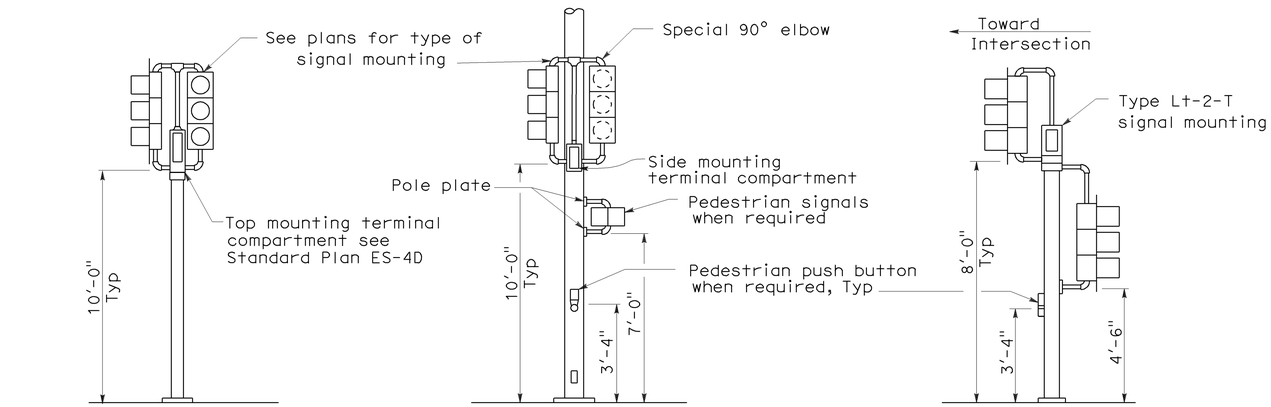
Directional louvers shall be oriented as directed by the Engineer and secured in place with one plated brass machine screw and nut.



NOTES:

1. Typical signal pole placement unless dimensioned on plans.
2. For "A" and "B" dimensions, see Pole Schedule, or as directed by the Engineer.

SIGNAL STANDARD PLACEMENT DIMENSIONS AND EQUIPMENT LOCATIONS



TOP MOUNTED SIGNALS (TV)

Type 1-A, 1-B, 1-C and 1-D standard as indicated on the plans

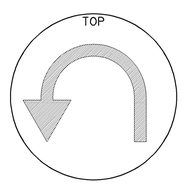
SIDE MOUNTED SIGNALS (SV AND SP)

Normally used on standards with luminaire or signal mast arm

LEFT TURN LANE SIGNAL

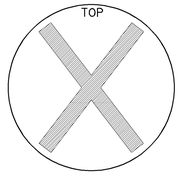
Type 1-A, 1-B, 1-C and 1-D standard as indicated on plans

TYPICAL SIGNAL INSTALLATIONS

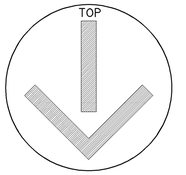


U-TURN SIGNAL FACE

BICYCLE SIGNAL FACE



LANE CONTROL SIGNAL FACE



LANE CONTROL SIGNAL FACE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL HEADS AND MOUNTINGS)

NO SCALE

RSP ES-4C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN ES-4C
DATED MAY 1, 2006 - PAGE 420 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-4C

2006 REVISED STANDARD PLAN RSP ES-4C

5-19-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	124	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

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Jeffery G. McRae
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June 6, 2008
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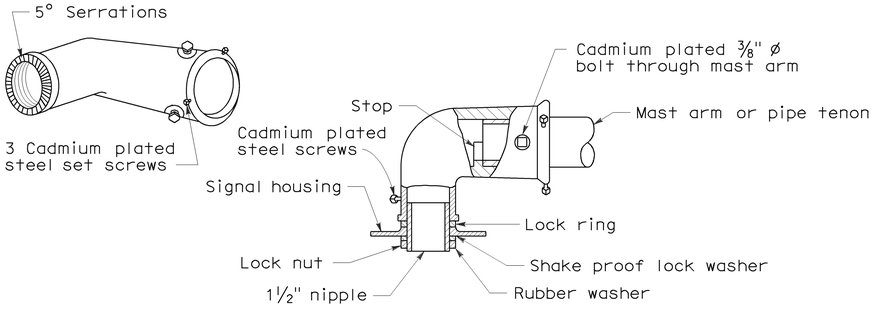
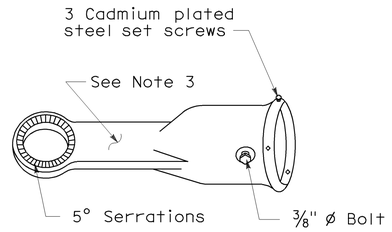


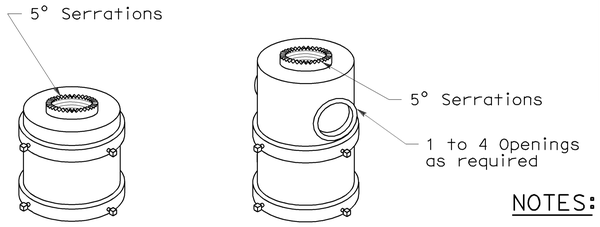
MAST ARM MOUNTING - TYPE "MAT"

For 2 NPS pipe, see Note 1.



MAST ARM MOUNTING - TYPE "MAS"

For 2 NPS pipe. See Note 1.



For one mounting For mulitiple mountings

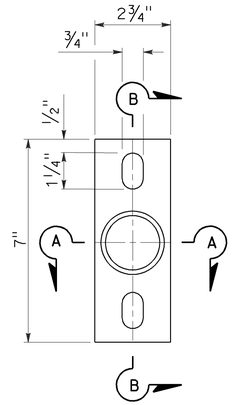
TOP MOUNTINGS

For 4 NPS pipe, see Note 2.

NOTES:

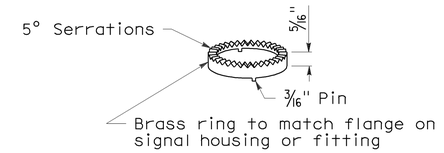
1. After mast arm signal has been plumbed and secured, drill 7/16" hole through mast arm tenon in line with slip fitter hole. Place a cadmium plated ⅜" ø galvanized bolt with washer under bolt head through hole and secure with washer, nut, and locknut. Seal openings between mast arm mountings and mast arm with mastic.
2. (a) Threaded top mounted slip fitter openings shall be 1½ NPS.
   (b) Serrations in fittings shall match those on bottom of signal heads or in lock ring.
   (c) Top opening shall be offset when backplate is used.
3. Wireway shall have a cross section area of 0.95 square inch minimum. Minimum width of ½".

SIGNAL SLIP FITTERS



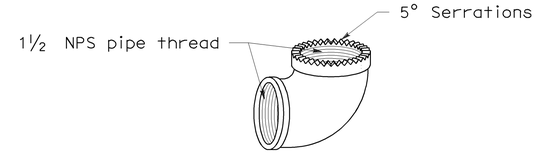
POLE PLATE

For side mountings



LOCK RING

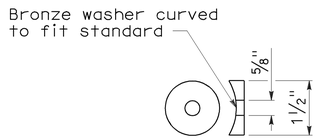
Use where locking ring is not integral with signal housing or fitting.



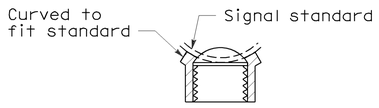
SPECIAL 90° ELBOW

One for each signal head, except those with special slip fitter mounting

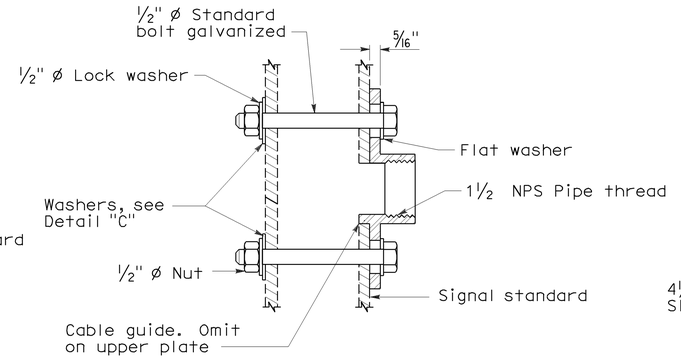
MISCELLANEOUS MOUNTING HARDWARE



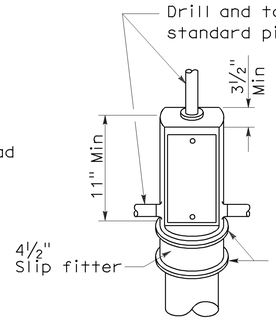
DETAIL "C"



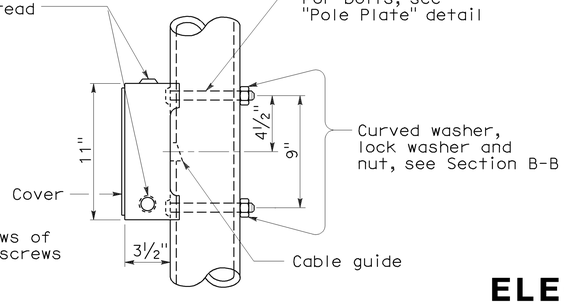
SECTION A-A



SECTION B-B



TOP MOUNTING



SIDE MOUNTING

TERMINAL COMPARTMENTS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL HEADS AND MOUNTINGS)

NO SCALE

RSP ES-4D DATED June 6, 2008 SUPERSEDES STANDARD PLAN ES-4D
DATED MAY 1, 2006 - PAGE 421 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-4D

2006 REVISED STANDARD PLAN RSP ES-4D

5-19-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	125	129

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

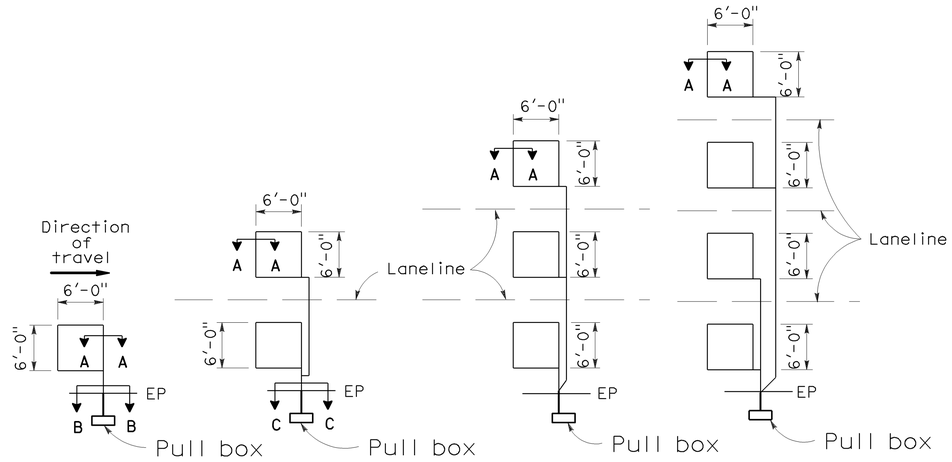
October 5, 2007
PLANS APPROVAL DATE

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.

To accompany plans dated 3-22-10

LOOP INSTALLATION PROCEDURE

1. Loops shall be centered in lanes.
2. Saw slots in pavement for loop conductors as shown in details.
3. Distance between side of loop and a lead-in saw cut from adjacent detectors shall be 2'-0" minimum. Distance between lead-in saw cuts shall be 6" minimum.
4. Bottom of saw slot shall be smooth with no sharp edges.
5. Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
6. Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
7. Identify and tag loop circuit pairs in the pull box with loop number, start (S) and finish (F) of conductor. Identify and tag lead-in-cable with sensor number and phase.
8. Install loop conductor in slot using a 3/16" to 1/4" thick wood paddle. Hold loop conductors with wood paddles (at the bottom of the sawed slot) during sealant placement.
9. No more than 2 twisted pairs shall be installed in one sawed slot.
10. Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
11. The additional length of each conductor for each loop shall be twisted together into a pair (6 turns per 3'-4" minimum) before being placed in the slot and conduit leading to pull box.
12. Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
13. Fill slots as shown in details.
14. Splice loop conductors to lead-in-cable. Splices shall be soldered.
15. End of lead-in-cable and Type 2 loop conductor shall be waterproofed prior to installing in conduit to prevent moisture from entering the cable.
16. Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
17. Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
18. Where loop conductors are not to be spliced to a lead-in-cable, the ends of the conductors shall be taped and waterproofed with electrical insulating coating.

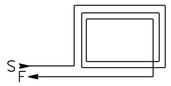


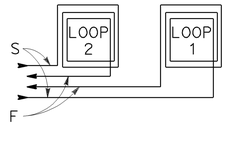
TYPE 1A INSTALLATION | TYPE 2A INSTALLATION | TYPE 3A INSTALLATION | TYPE 4A INSTALLATION

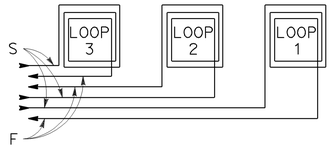
SAWCUT DETAILS

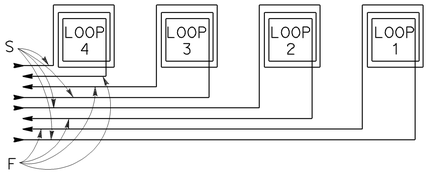
(Type A loop detector configurations illustrated)

1. 1A thru 4A = 1 Type A loop configuration in each lane.
2. 1B thru 4B = 1 Type B loop configuration in each lane.
3. 1C = 1 Type C loop configuration entering lanes as required.
4. 1D thru 4D = 1 Type D loop configuration in each lane.
5. 1E thru 4E = 1 Type E loop configuration in each lane.
6. 1Q thru 4Q = 1 Type Q loop configuration in each lane. (Use Type A, B, C, D, E or Q loop detector configurations only when specified or shown on plans)



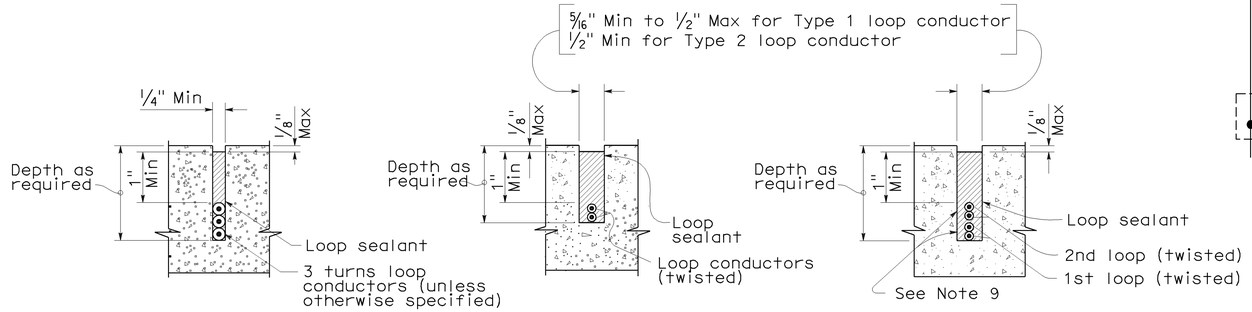






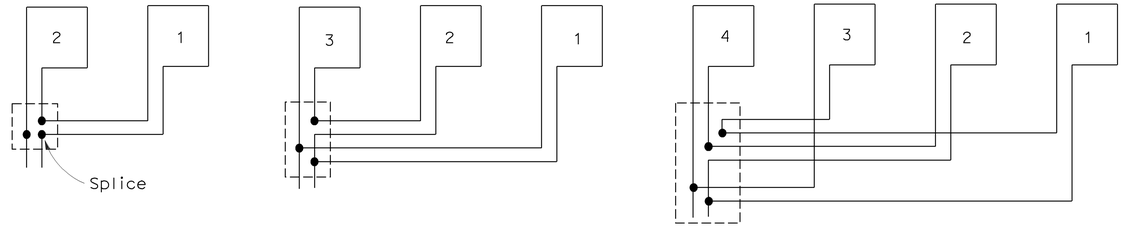
WINDING DETAILS

See Notes 6 and 7



SECTION A-A | SECTION B-B | SECTION C-C

SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR



TYPICAL LOOP CONNECTIONS

(Dashed lines represent the pull box)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

NO SCALE

RSP ES-5A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-5A
DATED MAY 1, 2006 - PAGE 423 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-5A

2006 REVISED STANDARD PLAN RSP ES-5A

8-17-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	126	129

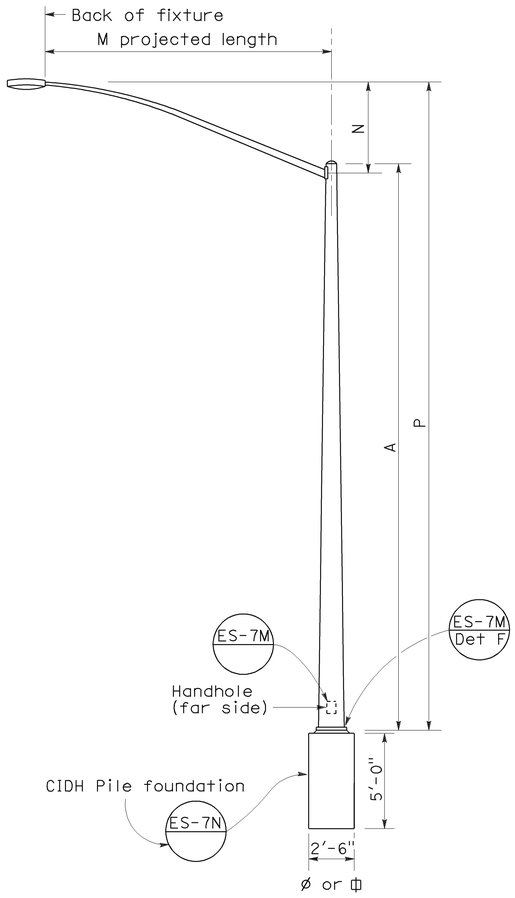
REGISTERED CIVIL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

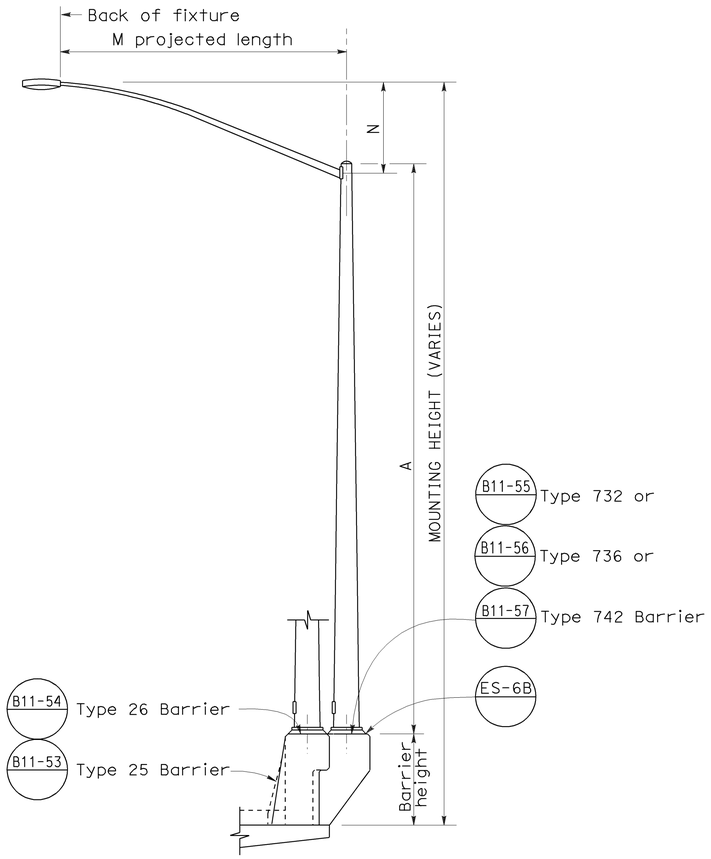
REGISTERED PROFESSIONAL ENGINEER — Stanley P. Johnson — No. C57793 — Exp. 3-31-08 — CIVIL — STATE OF CALIFORNIA

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.

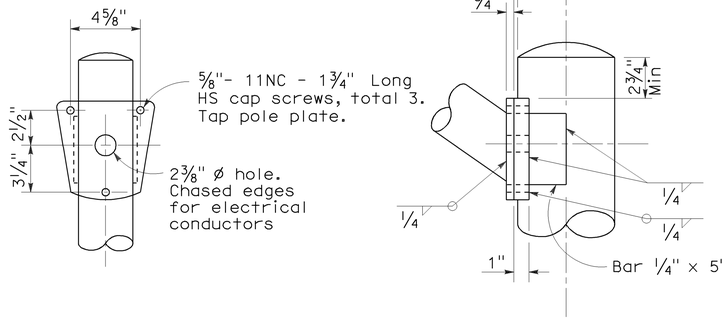
To accompany plans dated 3-22-10



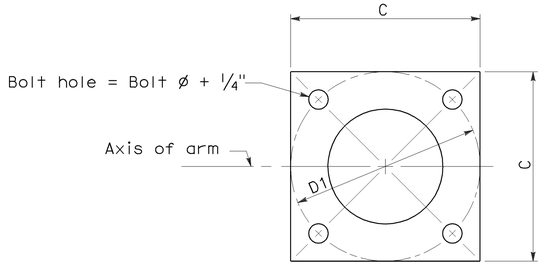
ELEVATION
TYPE 15 AND TYPE 21



ELEVATION
TYPE 15 AND TYPE 21 BARRIER RAIL MOUNTED



DETAIL R
LUMINAIRE ARM CONNECTION



BASE PLATE

POLE TYPE	POLE DATA				BASE PLATE DATA				LUMINAIRE ARM
	A Height	Min OD		Wall Thickness	C	D1 Bolt Circle	Thick-ness	Anchor Bolts Size	
		Base	Top						
15	30′	8"	3 7/8"	0.1196"	1′-0"	1′-0"	1"	1" ø x 3′-0" x 4"*	6′ - 15′ [12′]
21	35′	8 5/8"	3 7/8"	0.1196"	1′-0"	1′-0"	1"	1 1/4"ø x 3′-0" x 4"*	6′ - 15′ [12′]

* For barrier rail bolts, see Standard Plan ES-6B.

LUMINAIRE ARM DATA					
M Projected Length	N Rise	Min OD At Pole	Nominal Thickness	P	
				Type 15	Type 21
6′-0"	2′-0"±	3 1/4"	0.1196"	31′-6"±	36′-6"±
8′-0"	2′-6"±	3 1/2"	0.1196"	32′-0"±	37′-0"±
10′-0"	3′-3"±	3 7/8"	0.1196"	32′-9"±	37′-9"±
12′-0"	4′-3"±	3 7/8"	0.1196"	33′-9"±	38′-9"±
15′-0"	4′-9"±	4 1/4"	0.1196"	34′-3"±	39′-3"±

NOTES:

1. □ Indicates arm length to be used unless otherwise noted on the plans.
2. For Type 15-SB, use Type 15 standard with Type 30 slip base plate details, see Standard Plan ES-6F.
3. For additional notes, see Standard Plan ES-7M and ES-7N.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LIGHTING STANDARD TYPES 15 AND 21)

NO SCALE

RSP ES-6A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-6A
DATED MAY 1, 2006 - PAGE 427 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-6A

2006 REVISED STANDARD PLAN RSP ES-6A

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	127	129

Stanley P. Johnson
REGISTERED CIVIL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Stanley P. Johnson
No. C57793
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA

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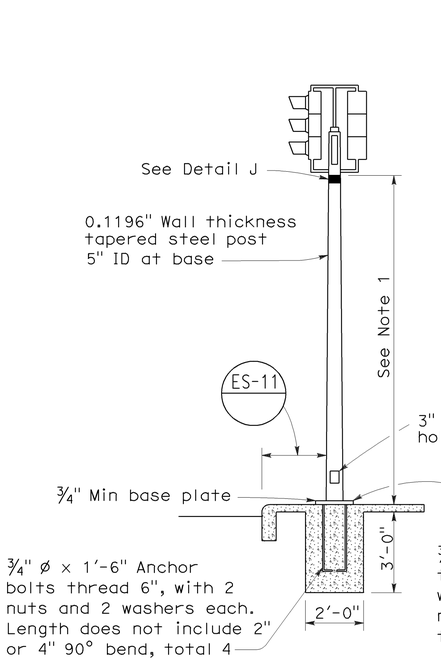
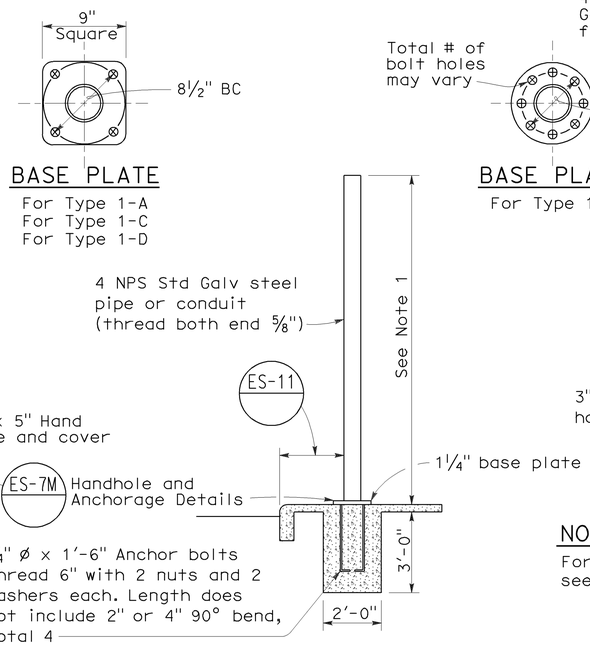
To accompany plans dated 3-22-10

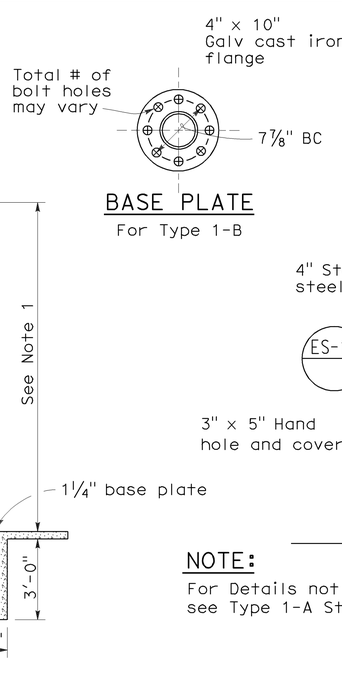
2006 REVISED STANDARD PLAN RSP ES-7B

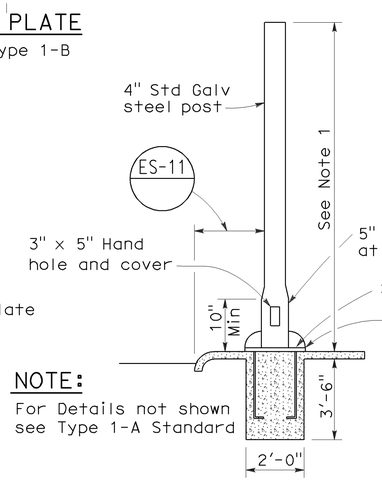


TYPE 1-A STANDARD



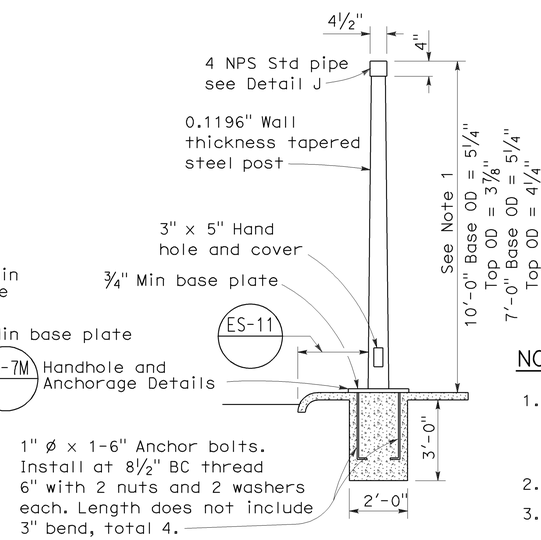
TYPE 1-B STANDARD





NOTE:
For Details not shown see Type 1-A Standard

TYPE 1-C STANDARD

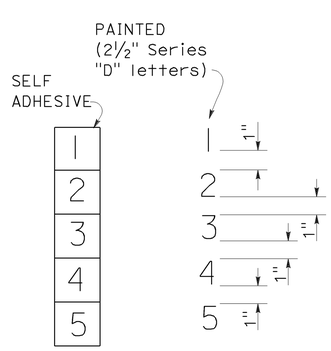


TYPE 1-D STANDARD

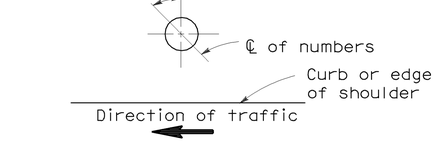
TYPE 1 SIGNAL STANDARDS

NOTES:

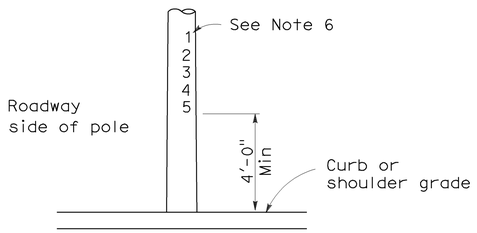
1. Standards shall be 10'-0" ± 2" for vehicle signals and 7'-0" ± 2" for pedestrian signals unless otherwise noted on plans.
2. Top of standards shall be 4½" OD.
3. Conduits shall extend 2" maximum above finished surface of foundation and for Types 1-A, 1-C and 1-D shall be sloped toward handhole.
4. Anchor bolts shall be bonded to conduit or grounding conductor.
5. Conduit between standard and adjacent pull box shall be 2" minimum.
6. Paint numbers on roadway side facing traffic when electrolier or post is left of direction of traffic.



NUMBER DETAIL

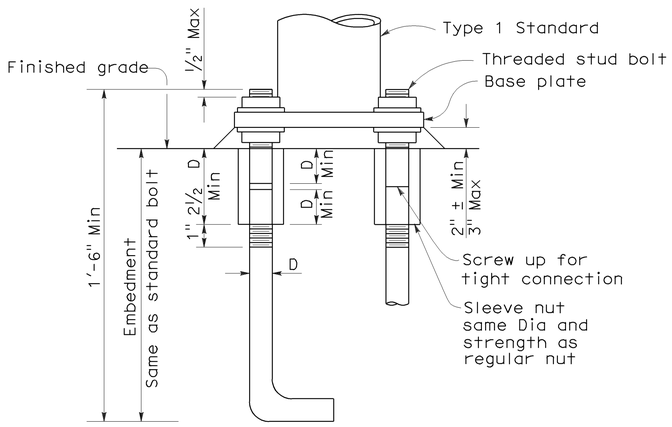


PLAN



TYPICAL NUMBER FORMAT

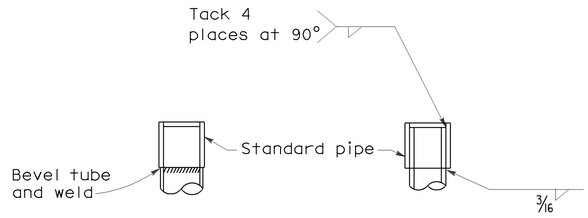
LOCATION OF EQUIPMENT NUMBERS ON STANDARDS AND POSTS



ANCHOR BOLTS WITH SLEEVE NUTS

Sleeve nuts to be used only when shown or specified on Project Plans

D = Diameter of anchor bolt



DETAIL J

Tube may be inserted into pipe or butted as required

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD TYPE 1 STANDARD AND EQUIPMENT NUMBERING)

NO SCALE

RSP ES-7B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-7B DATED MAY 1, 2006 - PAGE 438 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-7B

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,*etc.*	Var	128	129

Stanley P Johnson
REGISTERED CIVIL ENGINEER

June 15, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Stanley P. Johnson — No. C57793 — Exp. 3-31-08 CIVIL — STATE OF CALIFORNIA

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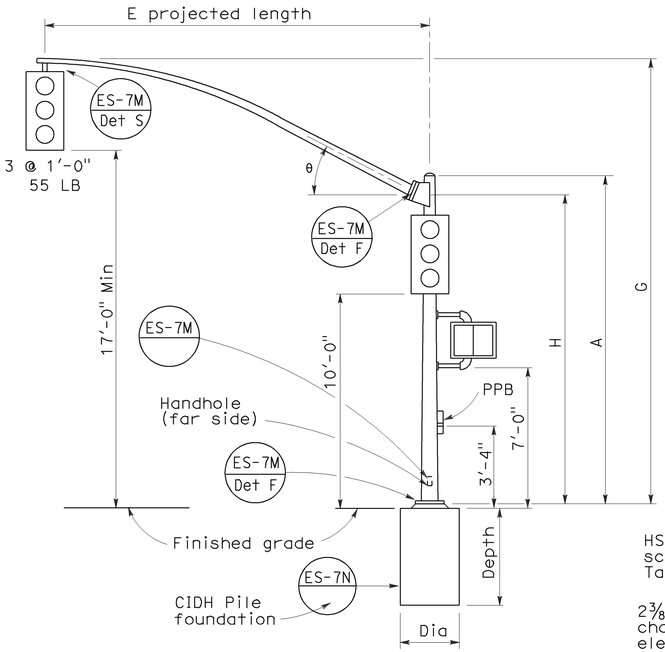
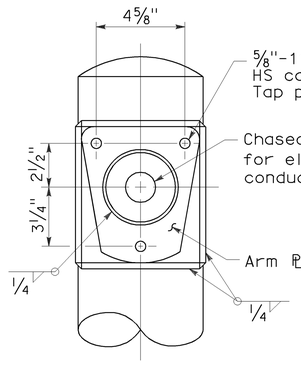
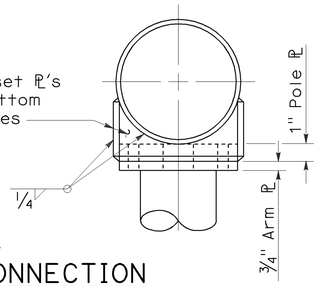
To accompany plans dated 3-22-10



ELEVATION

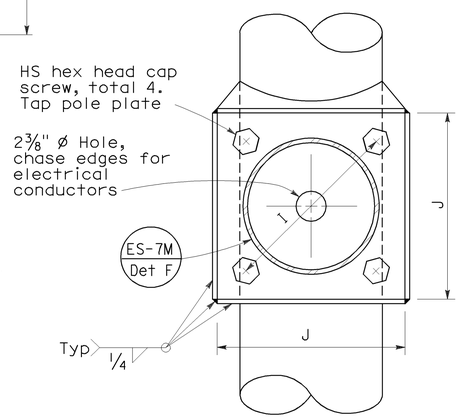
TYPE 16-1-100, 18-1-100

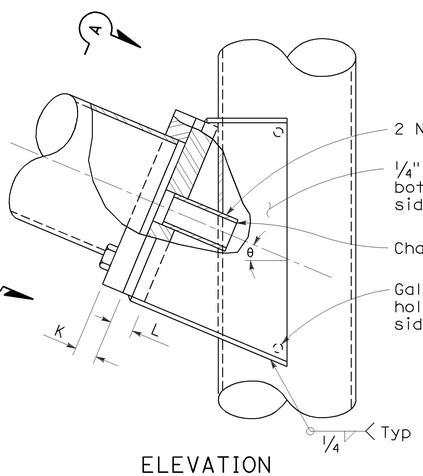




DETAIL W

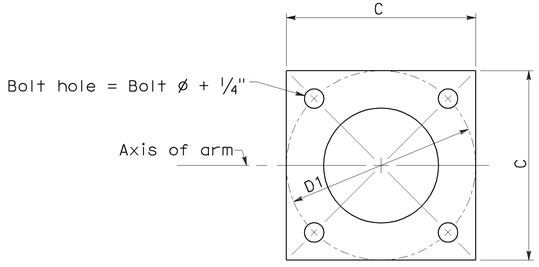
LUMINAIRE ARM CONNECTION



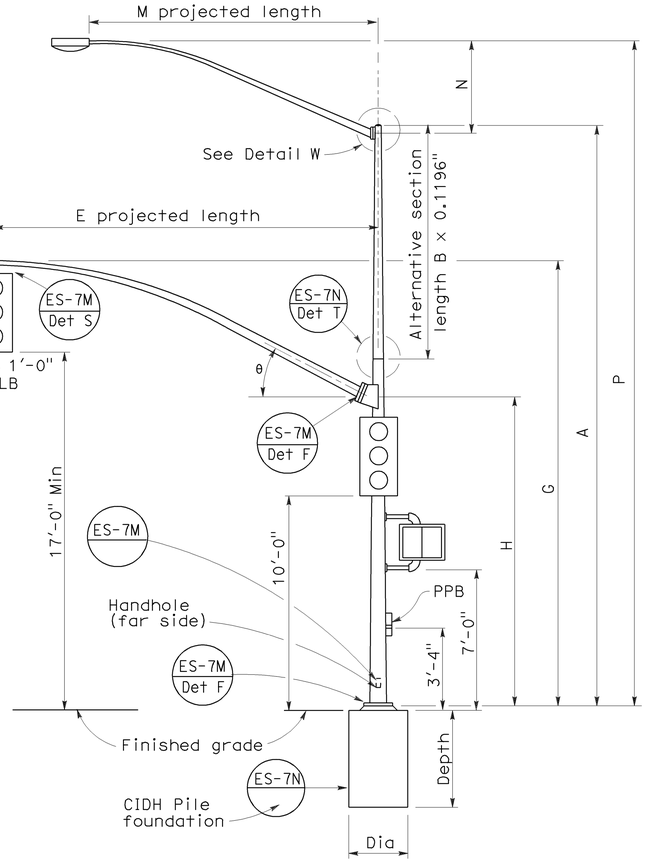


VIEW A-A ELEVATION

SIGNAL ARM CONNECTION DETAILS



BASE PLATE



ELEVATION

TYPE 19-1-100, 19A-1-100

SIGNAL ARM DATA										
E Projected Length	G Mounting Height	H	Min OD At Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate size	K Arm ℄ Thickness	L Pole ℄ Thickness	θ
15'-0"	21'-8"±	17'-6"	7"	0.1196"	12"	1¼"-7NC-3"	1'-0"	1¼"	1½"	23°
20'-0"	21'-8"±		7⅛"							
25'-0"	22'-8"±	16'-0"	7⅝"							
30'-0"	23'-0"±		8"							

LUMINAIRE ARM DATA						
M Projected Length	N Rise	Min OD at Pole	Thickness	P Mounting Height		
				30'-0" Pole	35'-0" Pole	
6'-0"	2'-0"±	3¼"	0.1196"	31'-6"±	36'-6"±	
8'-0"	2'-6"±	3½"		32'-0"±	37'-0"±	
10'-0"	3'-3"±	3⅞"		32'-9"±	37'-9"±	
12'-0"	4'-3"±			33'-9"±	38'-9"±	
15'-0"	4'-9"±	4¼"		34'-3"±	39'-3"±	

POLE DATA								BASE PLATE DATA				LUMINAIRE ARM	SIGNAL ARM	CIDH PILE FOUNDATION		
Pole Type	Load Case	Wind Velocity mph	A Height	Min OD		Thickness	Alternative Section			C	D1 Bolt Circle	Thickness	Anchor Bolts Size			Diameter	Depth	Reinforced
				Base	Top		B Length	Bottom	Top									
16-1-100	1	100	18'-6"	10¾"	8¼"	0.1793"	None			1'-6"	1'-5½"	1¼"	1½" ø x 42" x 6"	None	15'-0", 20'-0"	2'-6"	7'-2"	Yes
18-1-100			17'-0"		8⅜16"		None							None				
19-1-100			30'-0"		6⅝"		10'-0"	8"	6⅝"					6'-15' 12'-0"	25'-0", 30'-0"			
19A-1-100			35'-0"		5¹⁵⁄₁₆"		15'-0"		5¹⁵⁄₁₆"					6'-15' 15'-0"				

☐ Indicates arm length to be used unless otherwise noted on plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD CASE 1 ARM LOADING WIND VELOCITY = 100 MPH ARM LENGTHS 15' TO 30')

NO SCALE

RSP ES-7C DATED JUNE 15, 2007 SUPERSEDES STANDARD PLAN ES-7C DATED MAY 1, 2006 - PAGE 439 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-7C

2006 REVISED STANDARD PLAN RSP ES-7C

1-26-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	33,43,46, 58,99,etc.	Var	129	129

Stanley P. Johnson
REGISTERED CIVIL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Stanley P. Johnson — No. C57793 — Exp. 3-31-08 — CIVIL — STATE OF CALIFORNIA

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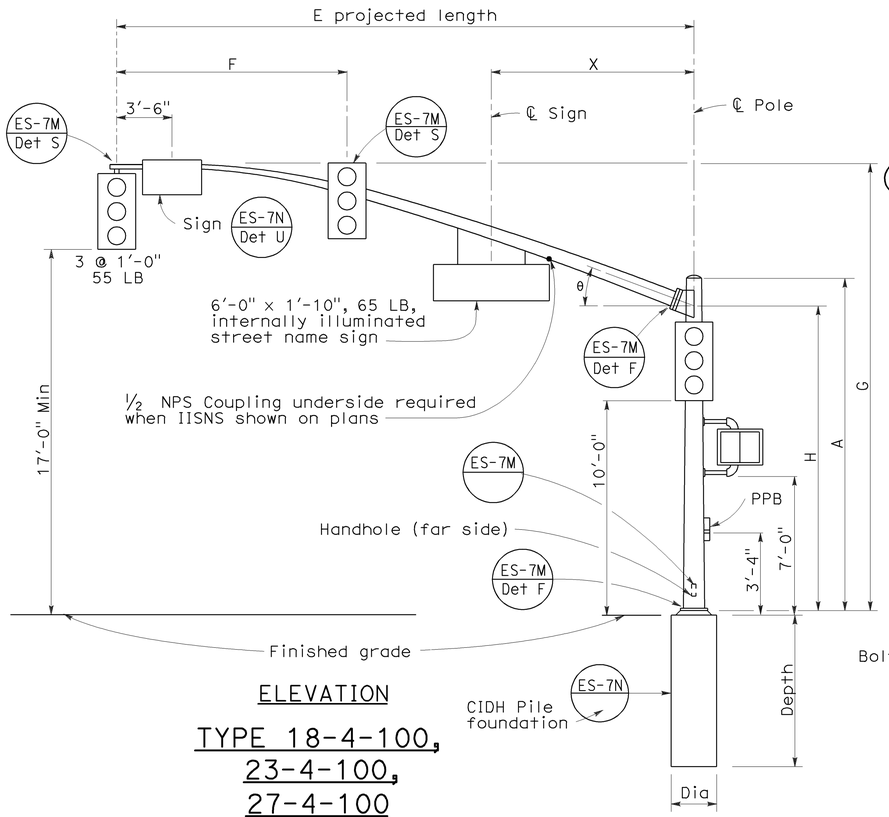
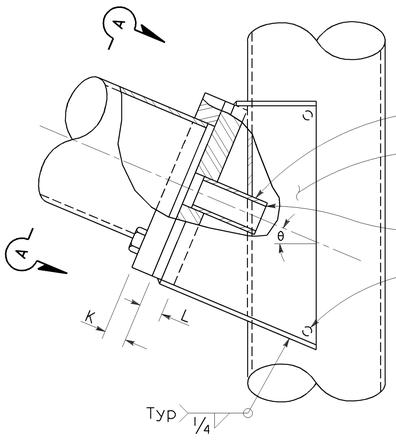
To accompany plans dated 3-22-10

2006 REVISED STANDARD PLAN RSP ES-7F

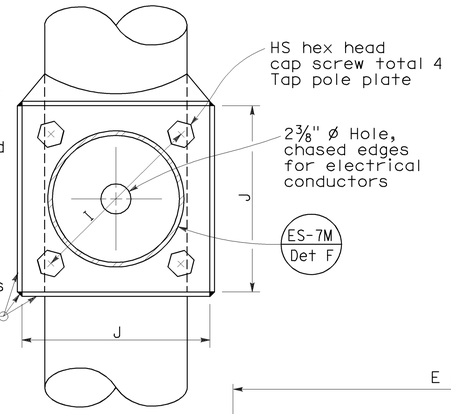


ELEVATION

TYPE 18-4-100, 23-4-100, 27-4-100

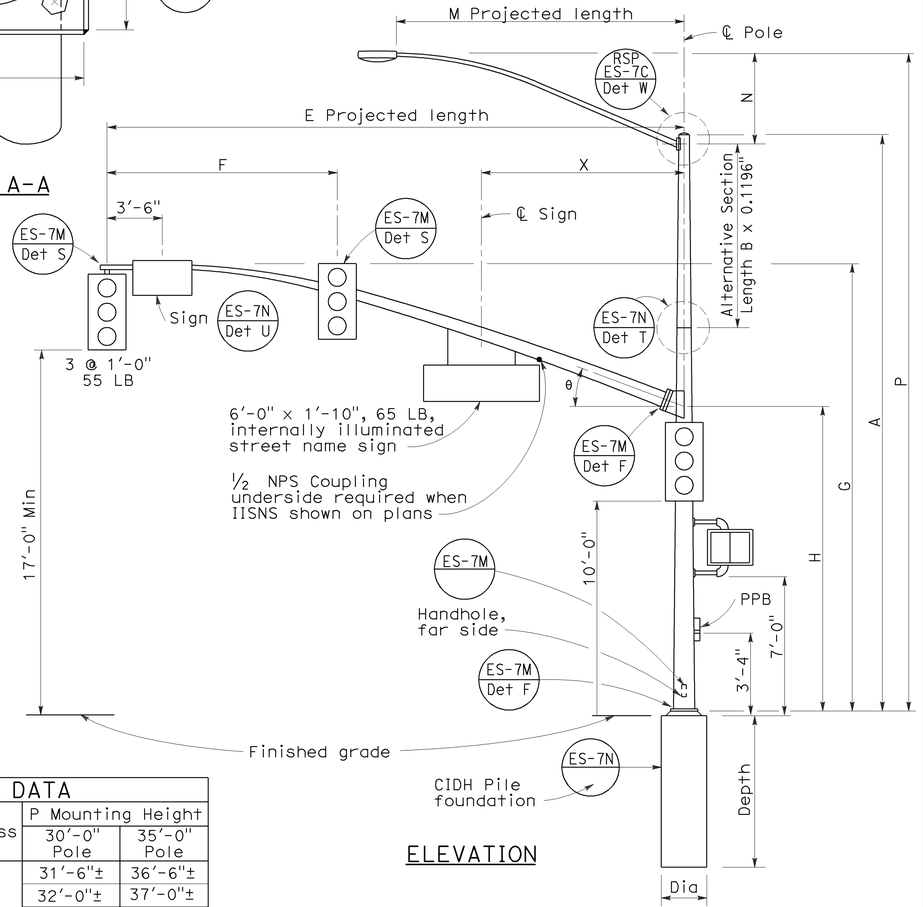


ELEVATION



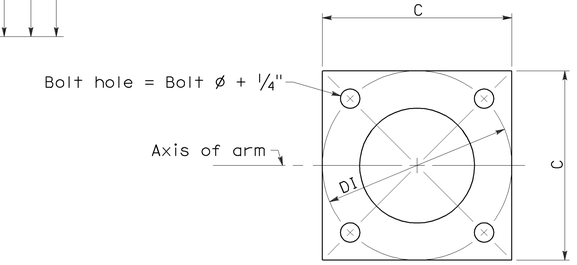
VIEW A-A

SIGNAL ARM CONNECTION DETAILS



ELEVATION

TYPE 19-4-100, 19A-4-100, 24-4-100, 24A-4-100, 26-4-100, 26A-4-100



BASE PLATE

SIGNAL ARM DATA

E Projected Length	F Min Spacing	G Mounting Height	H	Min OD at Pole	Thickness	I Bolt Circle	HS Cap Screws	J Plate Size	K Arm ℙ Thickness	L Pole ℙ Thickness	θ	X Max
25'-0"	10'-0"	22'-8"±	16'-0"	7⅝"	0.2391"	12"	1¼"-7NC-3"	1'-0"	1¼"	1½"	23°	10'-6"
30'-0"	12'-0"			8"								
35'-0"	14'-0"	23'-0"±		8⅛"		13½"		1'-1½"	1½"	1¾"	21°	
40'-0"	15'-0"			9⅜"								
45'-0"		23'-8"±		10¼"							15°	13'-0"

LUMINAIRE ARM DATA

M Projected Length	N Rise	Min OD at Pole	Thickness	P Mounting Height 30'-0" Pole	P Mounting Height 35'-0" Pole
6'-0"	2'-0"±	3¼"	0.1196"	31'-6"±	36'-6"±
8'-0"	2'-6"±	3½"		32'-0"±	37'-0"±
10'-0"	3'-3"±	3⅜"		32'-9"±	37'-9"±
12'-0"	4'-3"±			33'-9"±	38'-9"±
15'-0"	4'-9"±	4¼"		34'-3"±	39'-3"±

POLE DATA / BASE PLATE DATA / CIDH PILE FOUNDATION

Pole Type	Load Case	Wind Velocity mph	A Height	Min OD Base	Min OD Top	Thickness	Alternative Section B Length	Alternative Section Bottom	Alternative Section Top	C	DI Bolt Circle	Thickness	Anchor Bolts Size	Luminaire Arm	Signal Arm	CIDH Pile Foundation Dia	Depth	Reinforced
18-4-100	4	100	17'-0"	12"	9"	0.2391"	None			1'-6"	1'-6"	1½"	2" ø x 42" x 6"	None	25'-0", [30'-0"]	3'-0"	9'-0"	Yes
19-4-100			30'-0"		8"		10'-0"	9⅜"	8"					6'-15' [12'-0"]				
19A-4-100			35'-0"		7⅝"		15'-0'		7⅝"					6'-15' [15'-0"]				
23-4-100			17'-0"		9"		None							None	35'-0"			
24-4-100			30'-0"		8"		10'-0"	9⅜"	8"					6'-15' [12'-0"]				
24A-4-100			35'-0"		7⅝"		15'-0"		7⅝"					6'-15' [15'-0"]				
26-4-100			30'-0"	12½"	8"	0.3125"	10'-0"	9¾"	8⅜"					6'-15' [12'-0"]	40'-0", [45'-0"]			
26A-4-100			35'-0"		7⅝"		15'-0"		7⅞"					6'-15' [15'-0"]				
27-4-100			17'-0"		9¾"		None							None				

☐ Indicates arm length to be used unless otherwise noted on plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD CASE 4 ARM LOADING WIND VELOCITY=100 MPH ARM LENGTHS 25' TO 45')

NO SCALE

RSP ES-7F DATED OCTOBER 5, 2007 SUPERCEDES RSP ES-7F DATED NOVEMBER 17, 2006 AND STANDARD PLAN ES-7F DATED MAY 1, 2006 - PAGE 442 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-7F

7-10-07