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2	TYPICAL CROSS SECTIONS
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16-18	SUMMARY OF QUANTITIES
19	ELECTRICAL PLANS
20-28	REVISED AND NEW STANDARD PLANS

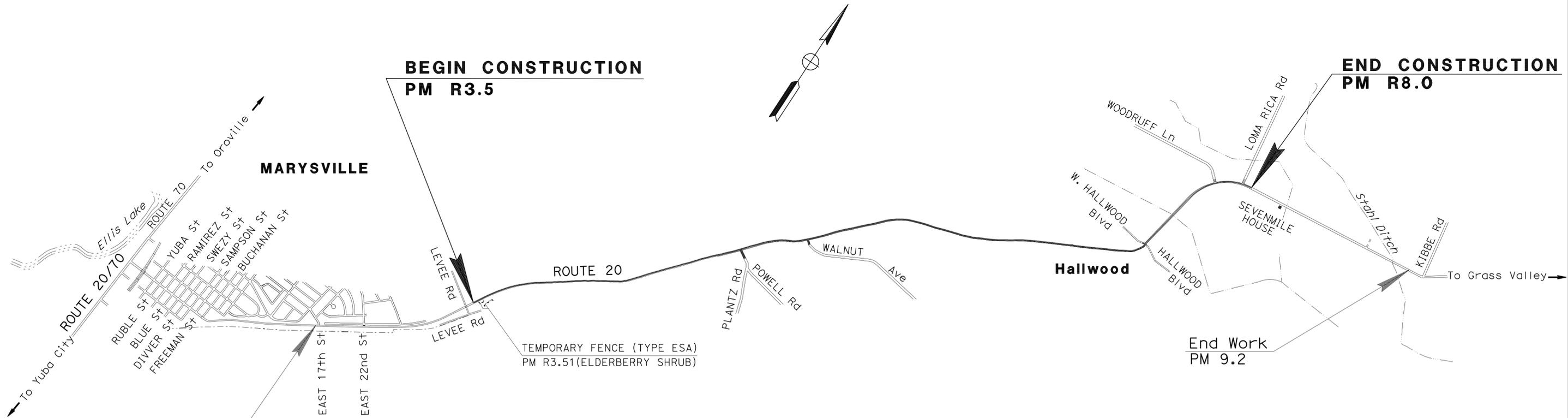
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA NH-P020(161)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN YUBA COUNTY NEAR MARYSVILLE
FROM 0.1 MILE EAST OF LEVEE ROAD
TO 0.1 MILE EAST OF LOMA RICA ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	1	28

LOCATION MAP



PROJECT MANAGER
MARTIN VILLANUEVA
 DESIGN ENGINEER
FERMIN BARRIGA

Salahuddin Chowdhury 4-2-11
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
May 9, 2011
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER

SALAHUDDIN CHOWDHURY

No. C75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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

NO SCALE

CONTRACT No.	03-1F8204
PROJECT ID	0300020128

DATE PLOTTED => 16-MAY-2011 TIME PLOTTED => 11:07

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	2	28

4-2-11 DATE
 REGISTERED CIVIL ENGINEER
 SALAHUDDIN CHOWDHURY
 No. C75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

5-9-11
 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.

NOTES:

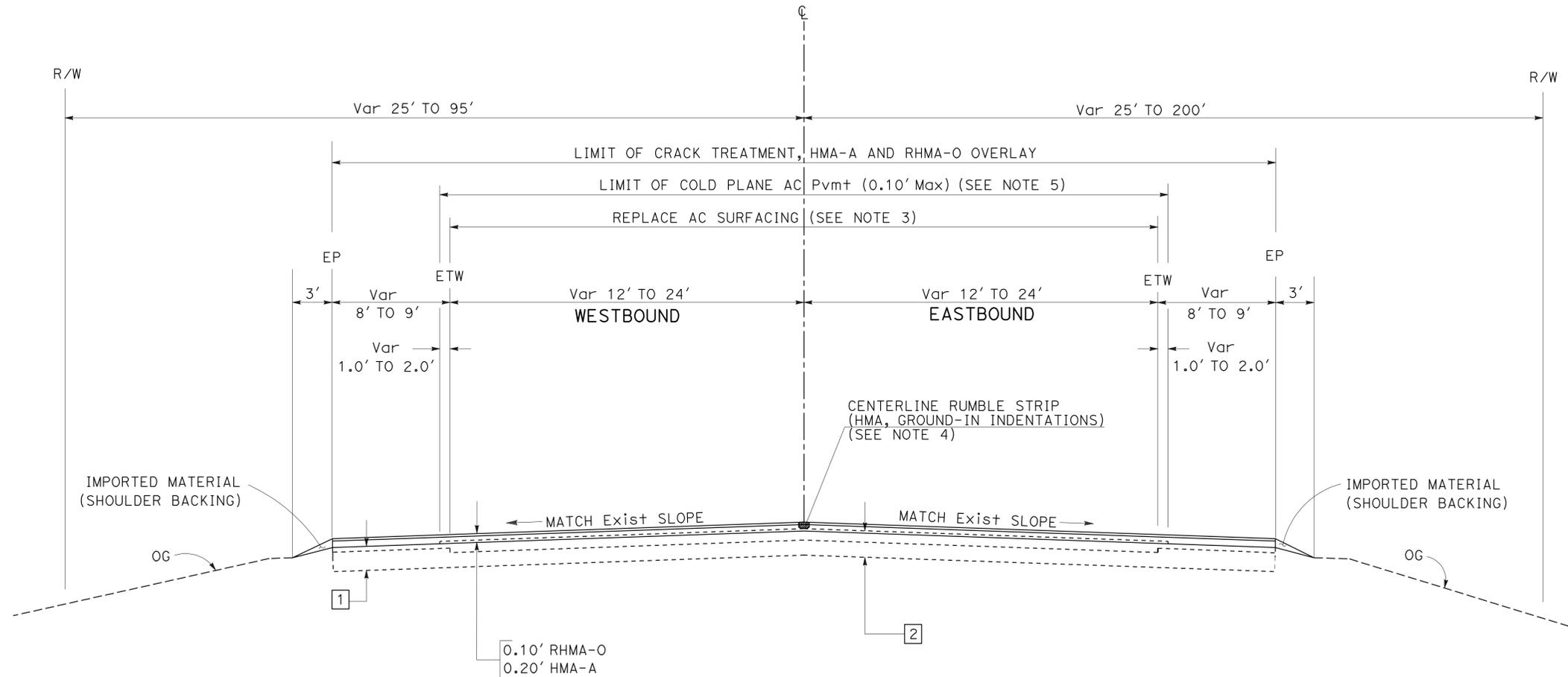
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL VARY THE WIDTH OF THE PAVING OPERATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- THE EXACT LIMITS OF THE REPLACE AC SURFACING WILL BE DETERMINED BY THE ENGINEER, SEE CONSTRUCTION DETAILS SHEET C-3 AND SUMMARY OF QUANTITIES SHEET Q-1.
- SEE CONSTRUCTION DETAILS SHEET C-6 AND C-7 FOR CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS).
- SEE CONSTRUCTION DETAILS SHEETS C-2 AND C-3 FOR COLD PLANE CONFORM DETAILS.

ABBREVIATIONS:

- RAC - RUBBERIZED ASPHALT CONCRETE
 HMA-A - HOT MIX ASPHALT (TYPE A)
 RHMA-O - RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)

DESIGN DESIGNATION

ADT (2011)	11,300	D	66%
ADT (2021)	13,500	T	4%
DHV	1,050	V	55 mph
ESAL	1,181,190	TI ₁₀	9.0



ROUTE 20

PM R3.5 TO PM R8.0

EXISTING STRUCTURAL SECTION

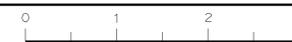
PM R3.5 TO R6.8	1	0.25' AC Var AB	2	0.10' RAC (Type G) 0.50' AC Var AB
PM R6.8 TO R8.0	1	0.25' AC Var AB	2	0.06' RAC (Type O) 0.50' AC Var AB

TYPICAL CROSS SECTIONS

NO SCALE

X-1

SALAHUDDIN CHOWDHURY
 STEVEN P. HERYFORD
 FERMIN BARRIGA
 DIVISION OF ENGINEERING



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	3	28

4-2-11 DATE
 REGISTERED CIVIL ENGINEER
 SALAHUDDIN CHOWDHURY
 No. C75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

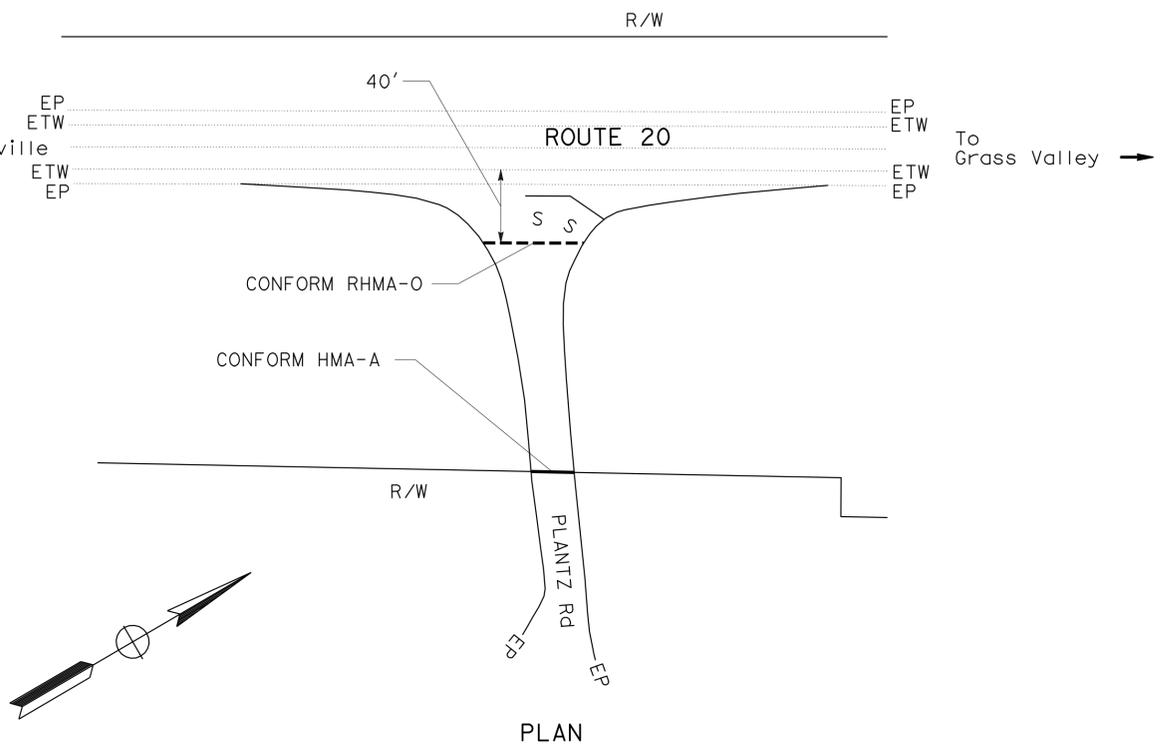
5-9-11
 PLANS APPROVAL DATE
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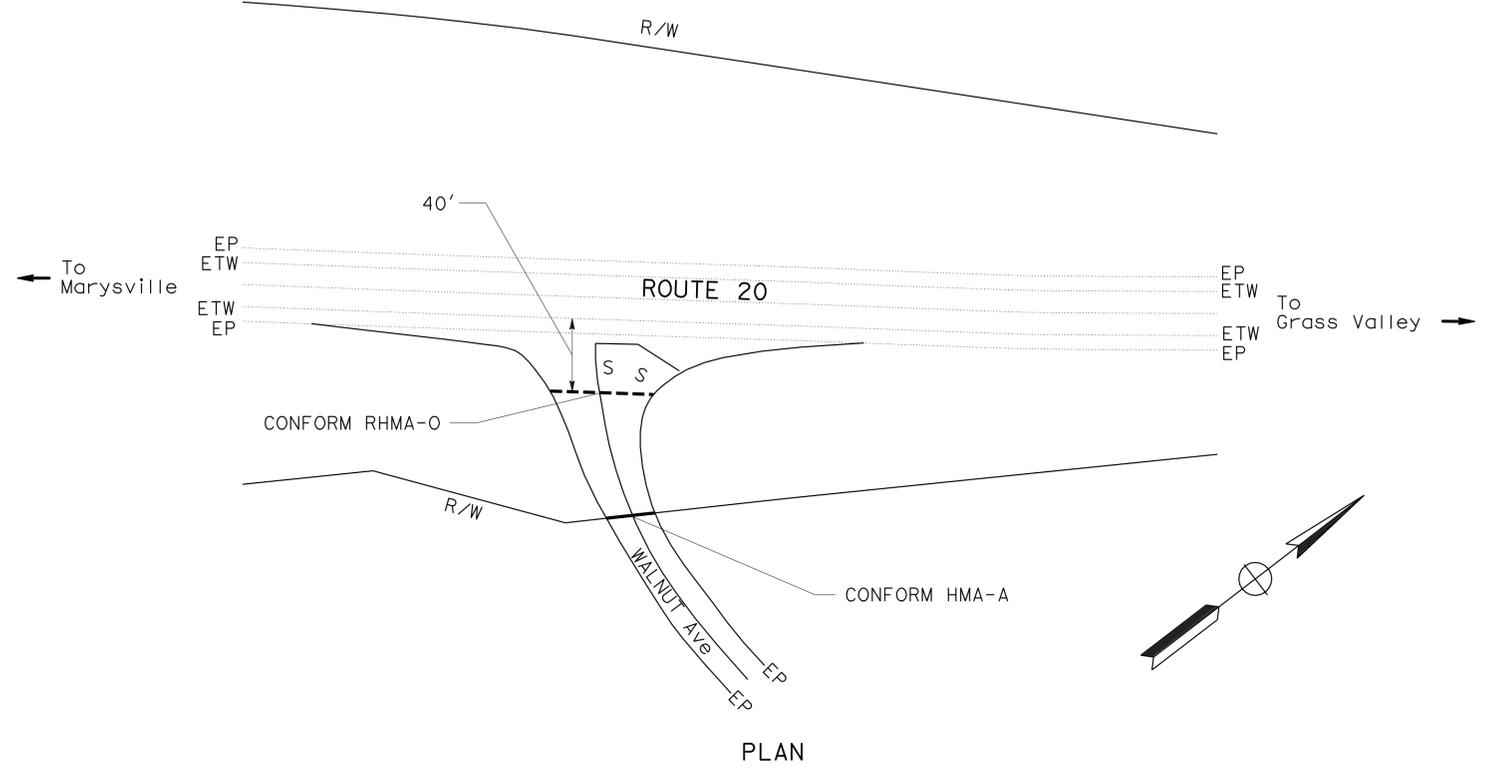
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- CONFORM LOCATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.

ABBREVIATIONS:

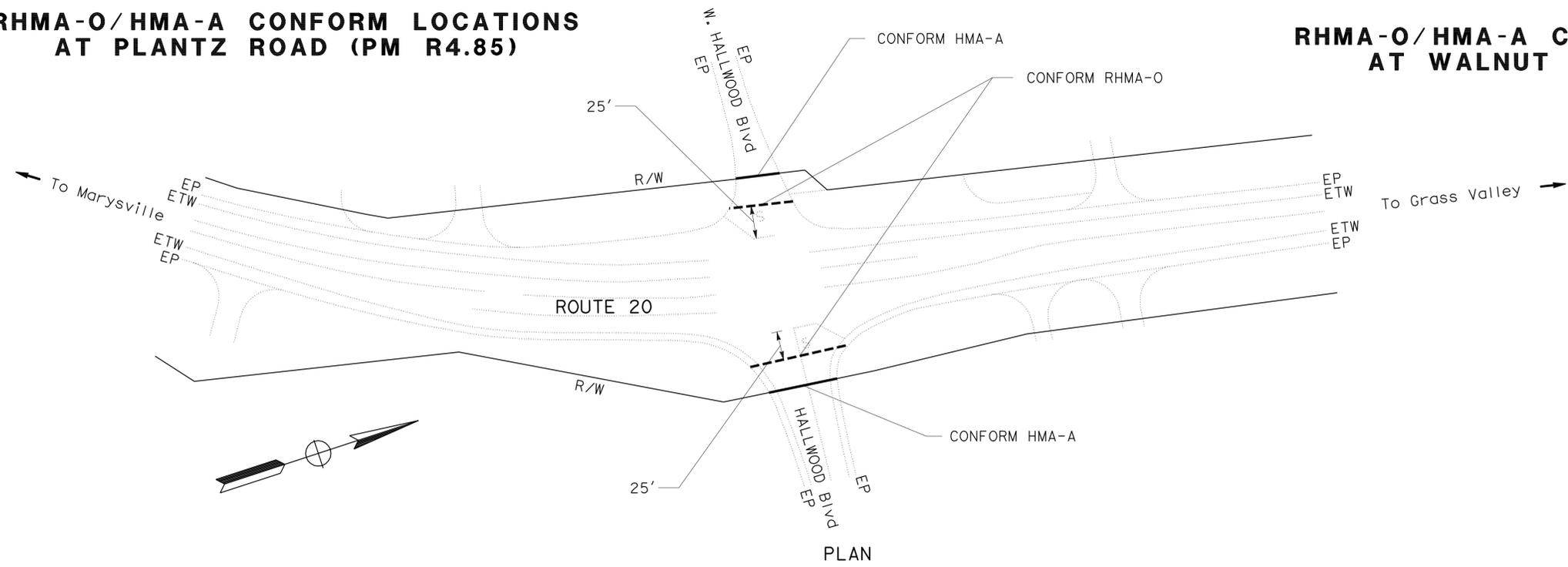
- HMA-A - HOT MIX ASPHALT (TYPE A)
 RHMA-O - RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)



RHMA-O/HMA-A CONFORM LOCATIONS AT PLANTZ ROAD (PM R4.85)



RHMA-O/HMA-A CONFORM LOCATIONS AT WALNUT Ave (PM R5.20)



RHMA-O/HMA-A CONFORM LOCATIONS AT HALLWOOD Blvd (PM R7.02)

CONSTRUCTION DETAILS

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING
 FERMIN BARRIGA
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 SALAHUDDIN CHOWDHURY
 DESIGNED BY
 JOSE LUIS VALDEZ
 REVISOR
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	4	28

4-2-11 DATE
 5-9-11 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER
 No. C75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

NOTES:

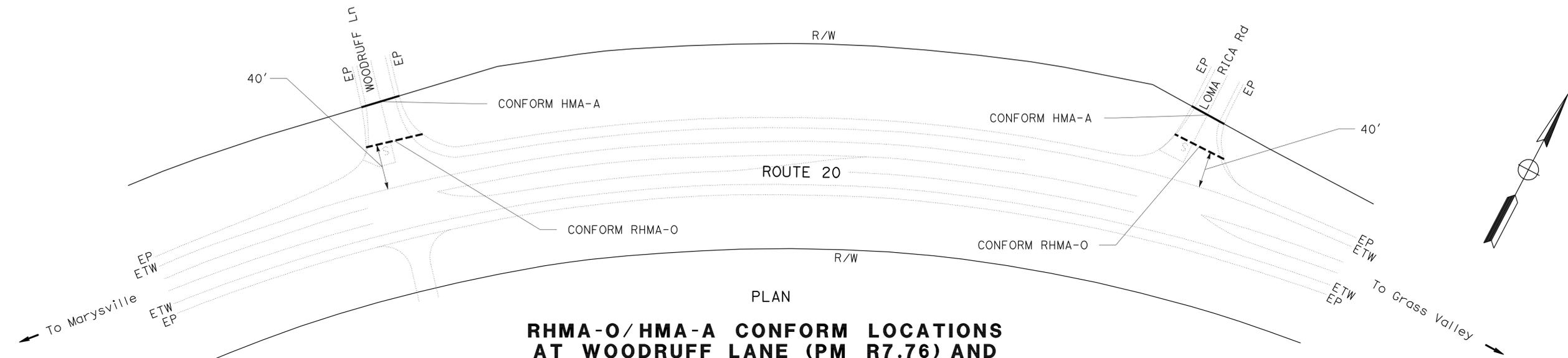
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- CONFORM LOCATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.

LEGEND:

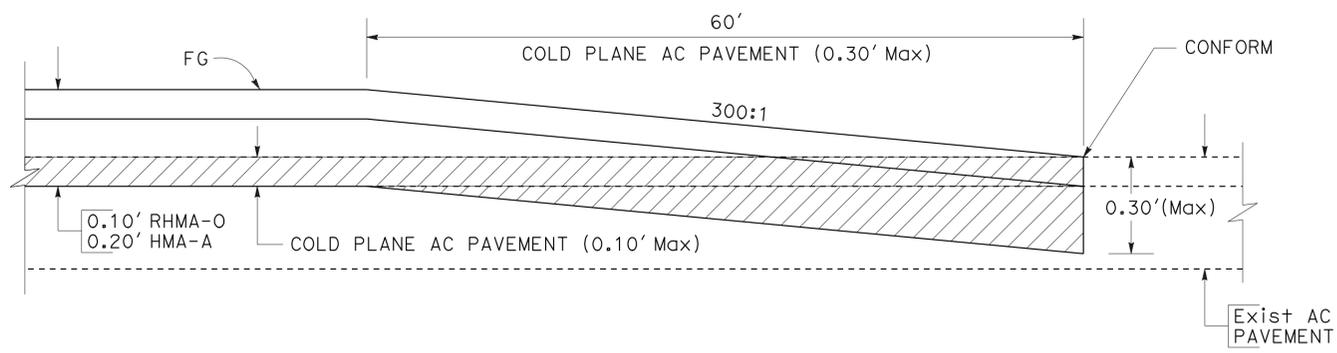


ABBREVIATIONS:

- HMA-A - HOT MIX ASPHALT (TYPE A)
 RHMA-O - RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)

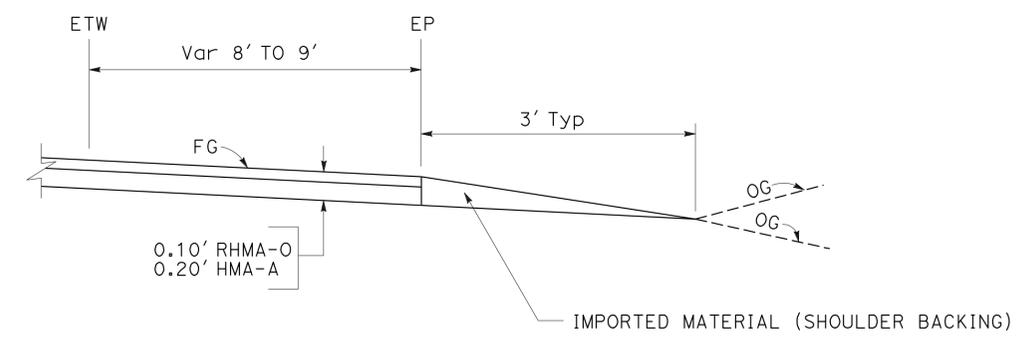


RHMA-O/HMA-A CONFORM LOCATIONS AT WOODRUFF LANE (PM R7.76) AND LOMA RICA ROAD (PM R7.89)

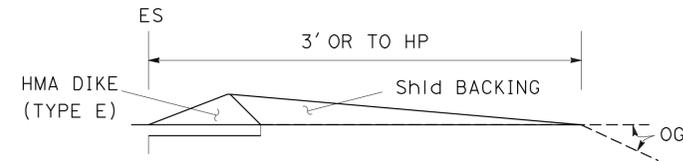


COLD PLANE AC PAVEMENT DETAIL 1 (HMA-A/RHMA-O)

ROUTE 20 AT PM R3.5 (BEGIN CONSTRUCTION)
 ROUTE 20 AT PM R8.0 (END CONSTRUCTION)



IMPORTED MATERIAL (SHOULDER BACKING)



SHOULDER BACKING AT HMA DIKE (TYPE E)

CONSTRUCTION DETAILS

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF ENGINEERING
 FERMIN BARRIGA
 JOSE LUIS VALDEZ
 SALAHUDDIN CHOWDHURY
 REVISOR BY DATE
 REVISOR BY DATE
 CALCULATED/DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 FERMIN BARRIGA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	5	28

4-2-11 DATE
 REGISTERED CIVIL ENGINEER
 SALAHUDDIN CHOWDHURY
 No. C75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

5-9-11
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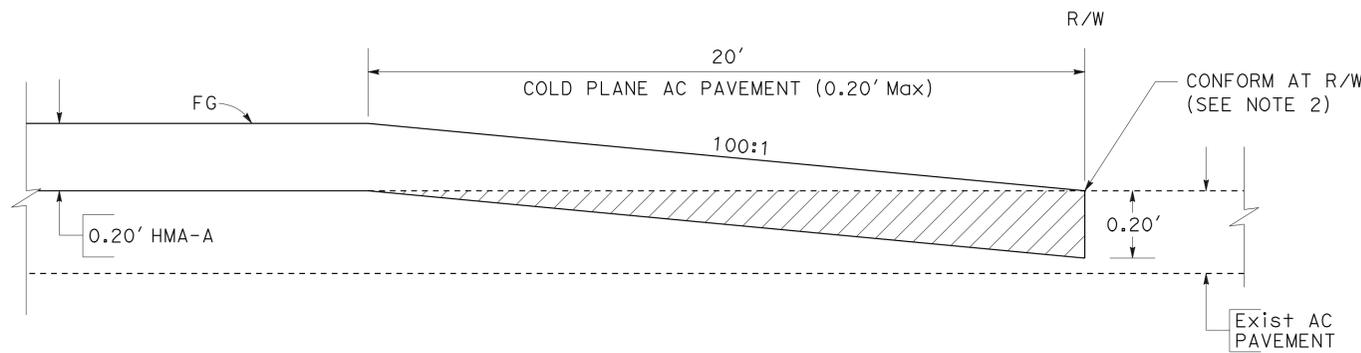
1. COLD PLANE AC PAVEMENT PRIOR TO REPLACE AC SURFACING.
2. CONFORM LOCATIONS FOR PLACING HMA-A AND RHMA-O OVERLAYS, SEE CONSTRUCTION DETAILS SHEET C-1 AND C-2.

LEGEND:

-  REPLACE AC SURFACING
-  COLD PLANE AC PAVEMENT

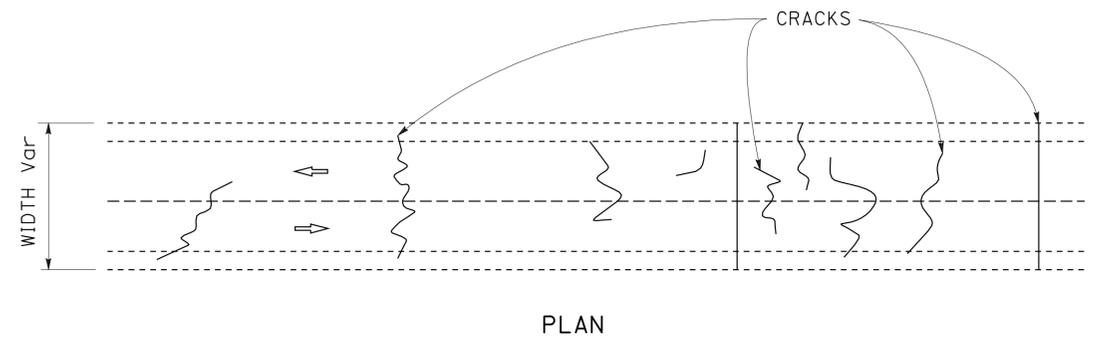
ABBREVIATIONS:

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- HMA-A - HOT MIX ASPHALT (TYPE A)
- RHMA-O - RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)

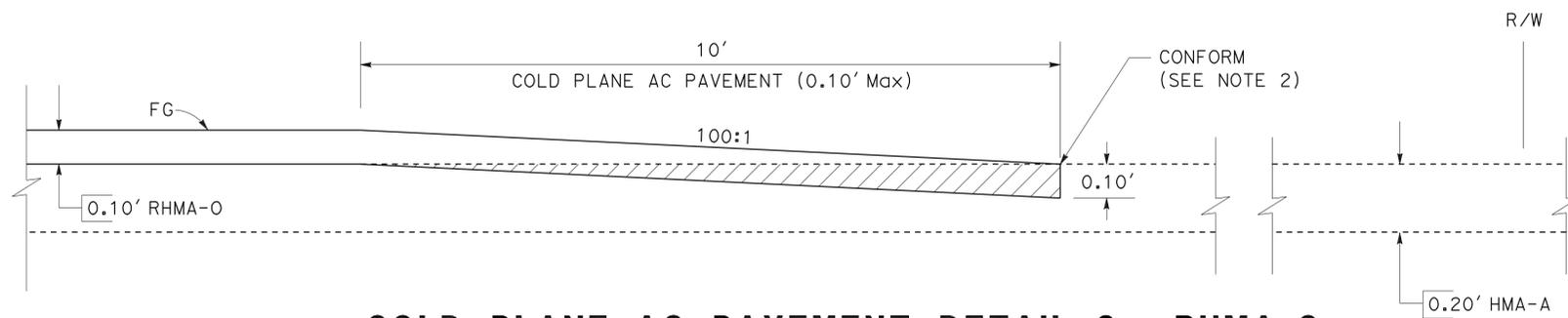


COLD PLANE AC PAVEMENT DETAIL 2 - HMA-A

AT PLANTZ Rd, WALNUT Ave, HALLWOOD Blvd, WOODRUFF LANE AND LOMA RICA Rd

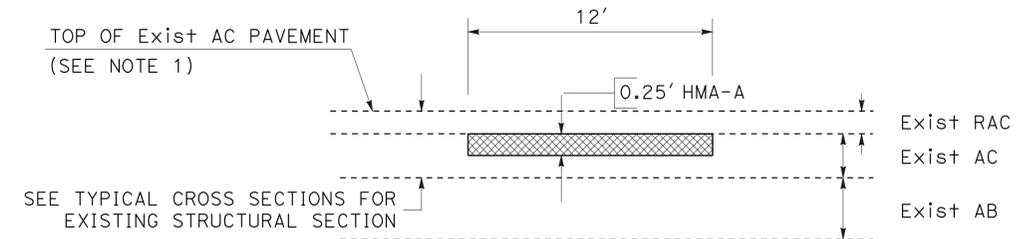


CRACK TREATMENT



COLD PLANE AC PAVEMENT DETAIL 3 - RHMA-O

AT PLANTZ Rd, WALNUT Ave, HALLWOOD Blvd, WOODRUFF LANE AND LOMA RICA Rd



REPLACE AC SURFACING - MAINLINE

(SEE SHEET Q-1 FOR LOCATIONS)

CONSTRUCTION DETAILS

NO SCALE

C-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	7	28

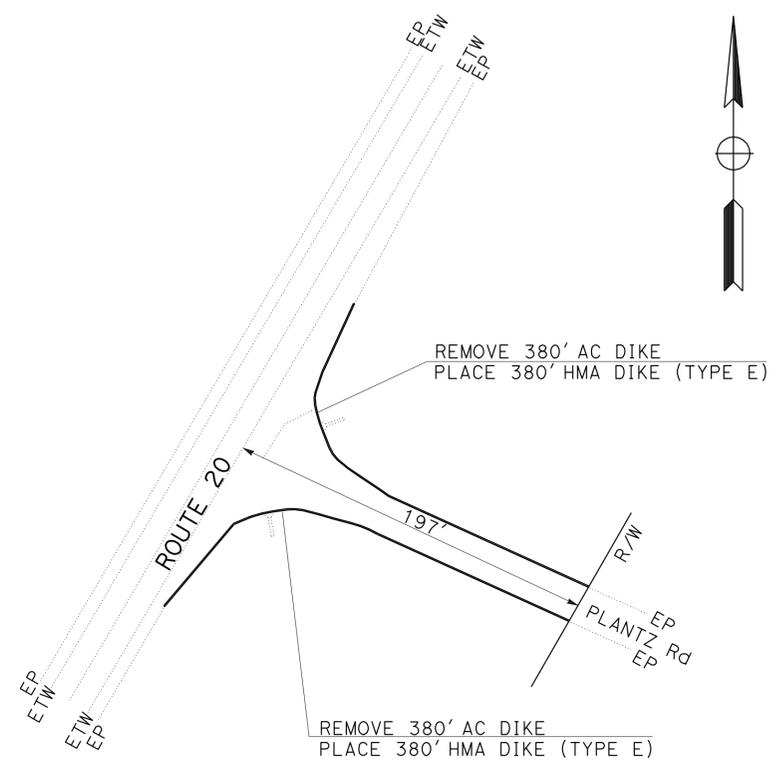
4-2-11 DATE
 REGISTERED CIVIL ENGINEER
 SALAHUDDIN CHOWDHURY
 No. C75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

5-9-11
 PLANS APPROVAL DATE
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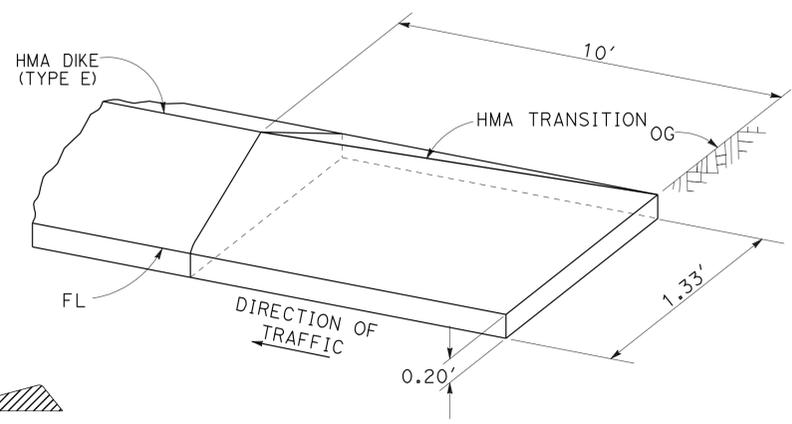
NOTES:

- FOR HMA DIKE (TYPE E) DIMENSIONS NOT SHOWN, SEE STANDARD PLAN A87B.
- EXACT LOCATIONS OF TEMPORARY FENCE (TYPE ESA) WILL BE DETERMINED BY THE ENGINEER.
- CONSTRUCT ENERGY DISSIPATERS (RSP) AT THE OUTFALLS OF EXISTING DOWNDRAINS AT PM R3.51 AND PM R3.54.
- FOR ADDITIONAL RSP INFORMATION, SEE RSP TABLE ON SHEET Q-3.

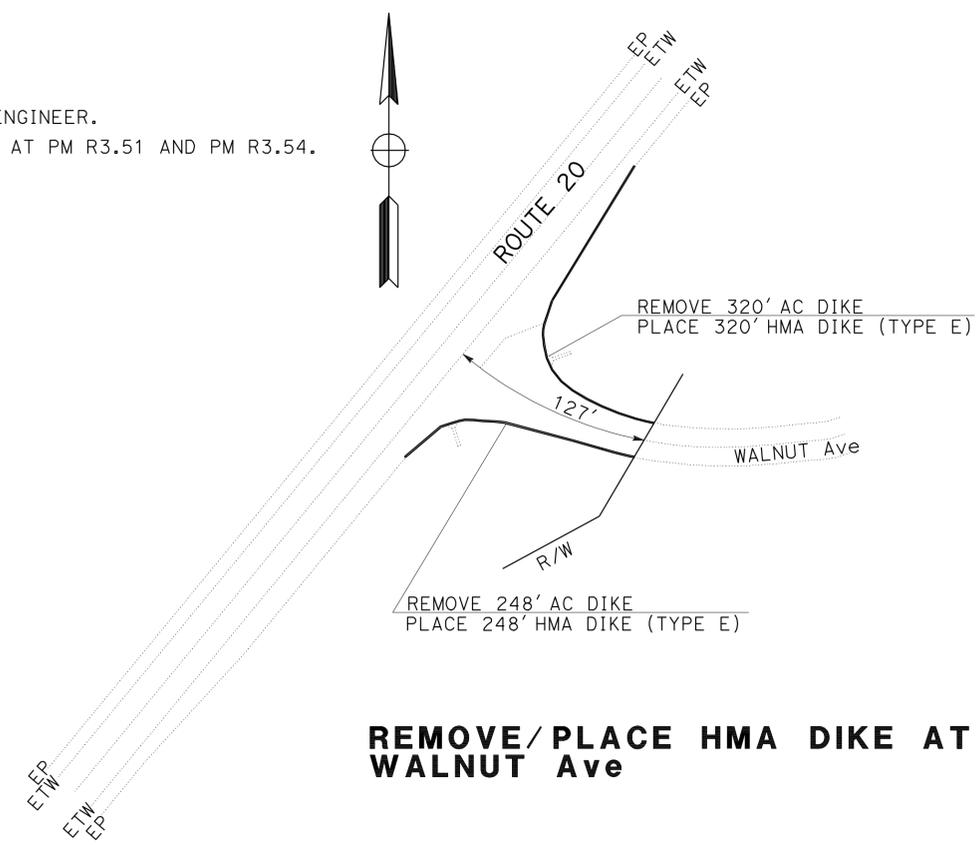
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DIVISION OF ENGINEERING
 FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
 CALCULATED/DESIGNED BY: SALAHUDDIN CHOWDHURY
 CHECKED BY: STEVEN P. HERYFORD
 REVISED BY: DATE REVISIONS



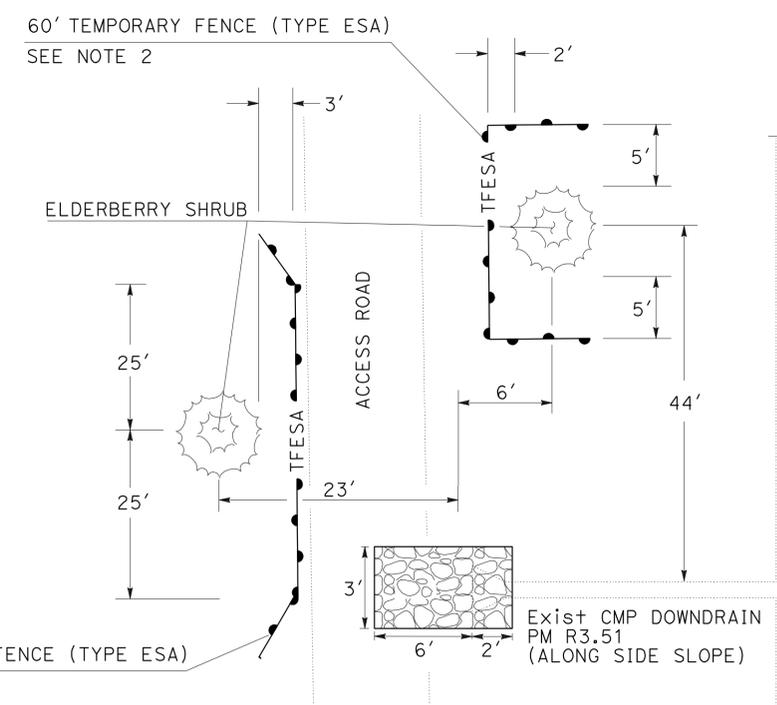
REMOVE/PLACE HMA DIKE AT PLANTZ Rd



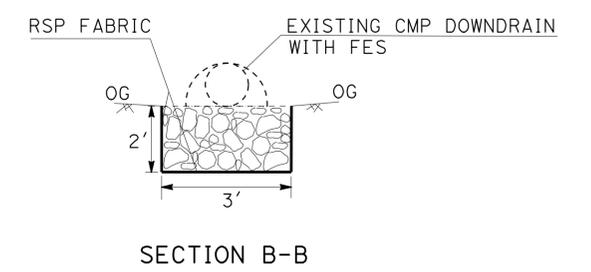
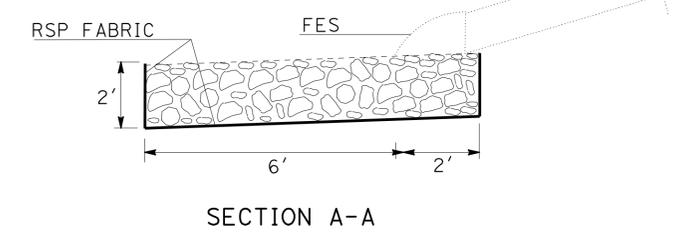
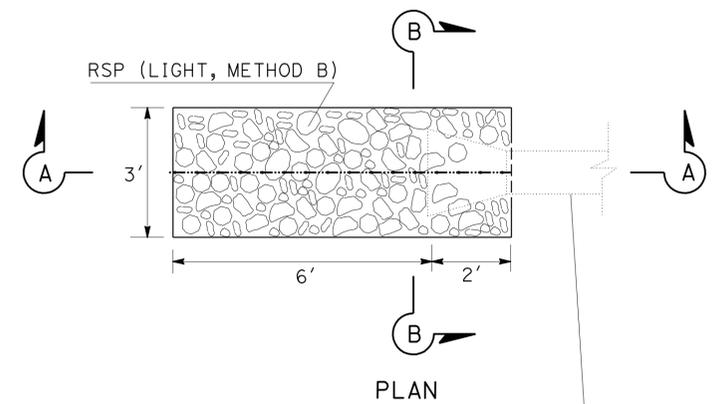
HMA DIKE (TYPE E) APPROACH TRANSITION



REMOVE/PLACE HMA DIKE AT WALNUT Ave



TEMPORARY FENCE (TYPE ESA) PM R3.51



RSP (LIGHT, METHOD B) PM R3.51

CONSTRUCTION DETAILS

NO SCALE

C-5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	8	28

<i>Salahuddin Chowdhury</i> REGISTERED CIVIL ENGINEER		4-2-11 DATE
5-9-11 PLANS APPROVAL DATE		

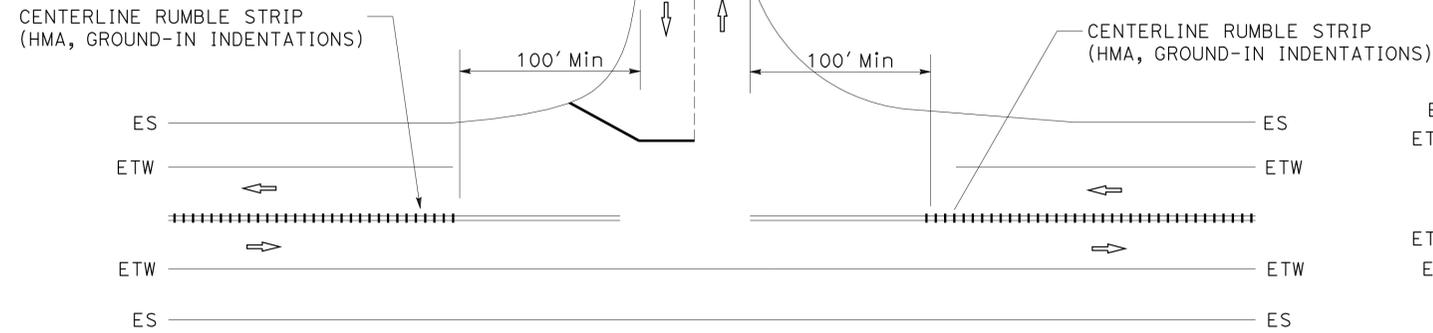
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NOTES:

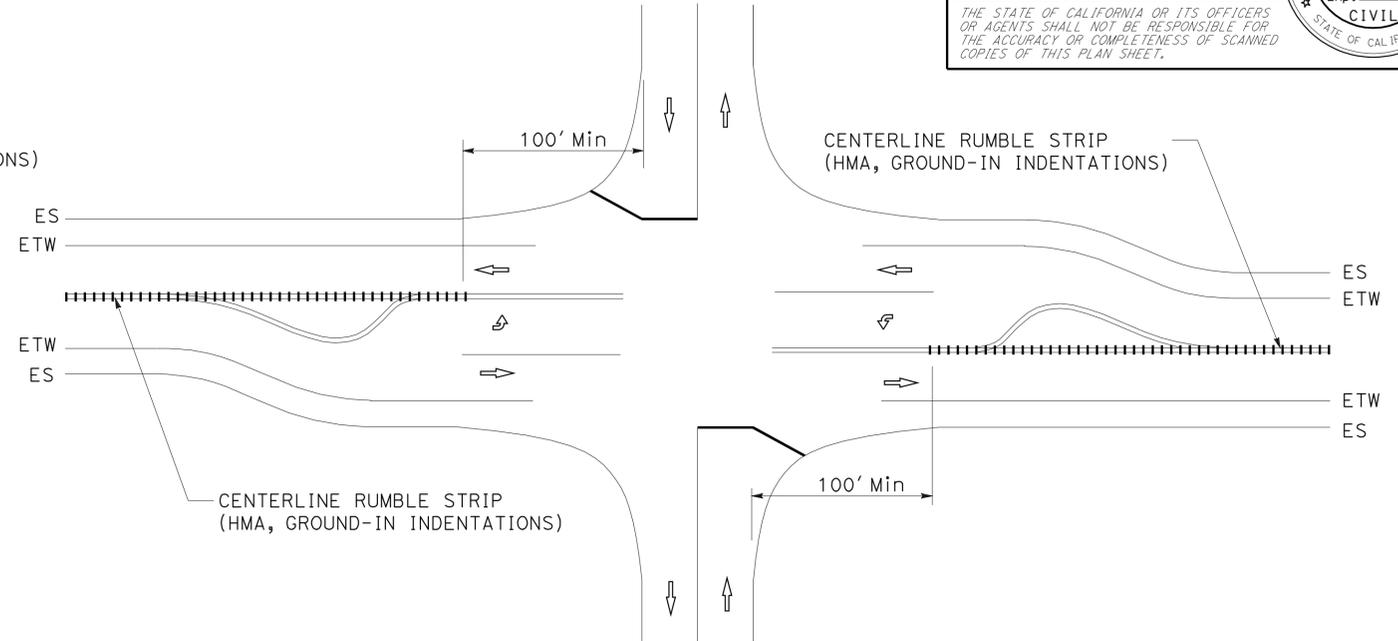
- CENTERLINE RUMBLE STRIP AS SHOWN ON THE PLANS WILL CONTINUE THROUGH LOCATIONS WITH PRIVATE DRIVEWAYS UNLESS OTHERWISE NOTED ON THE PLANS.
- SEE SHEET Q-3 FOR MINOR CONCRETE (CURB RAMP) AND REMOVE CONCRETE SIDEWALK QUANTITIES.
- SEE SHEET PDD-1 FOR INTERNATIONAL CROSSWALK DETAIL WITH CONCRETE CURB RAMP (PM R7.10).

LEGEND:

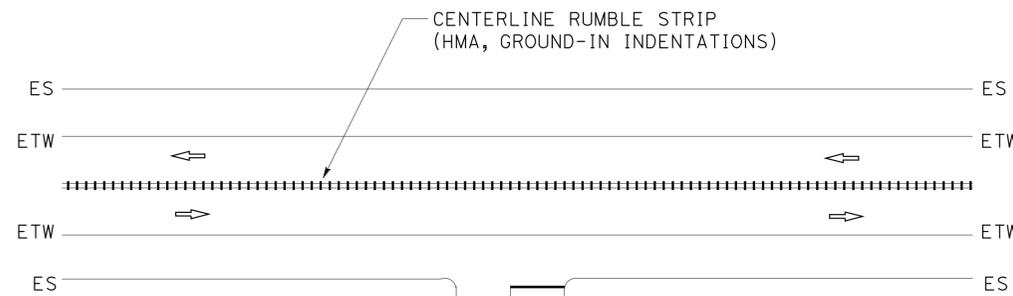
⇒ DIRECTION OF TRAVEL



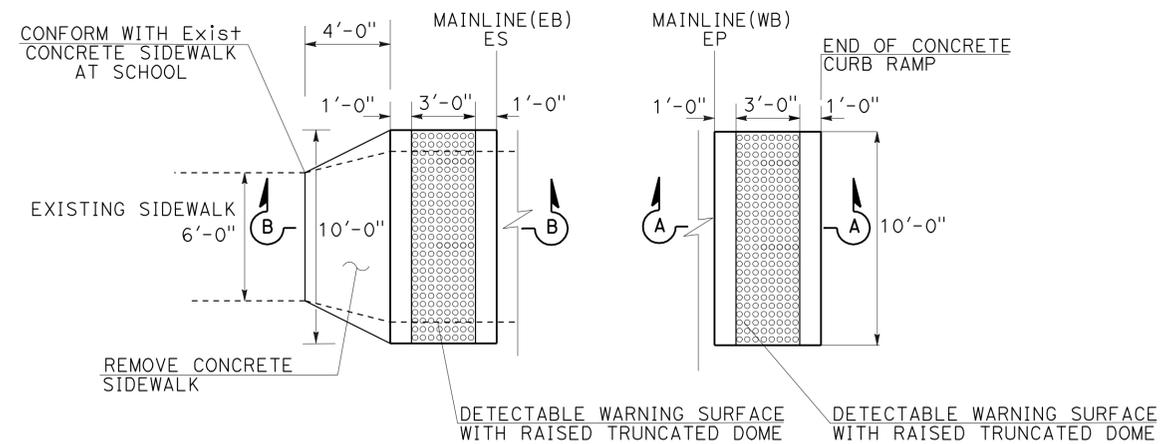
CENTERLINE RUMBLE STRIP AT PUBLIC ROAD T-INTERSECTION



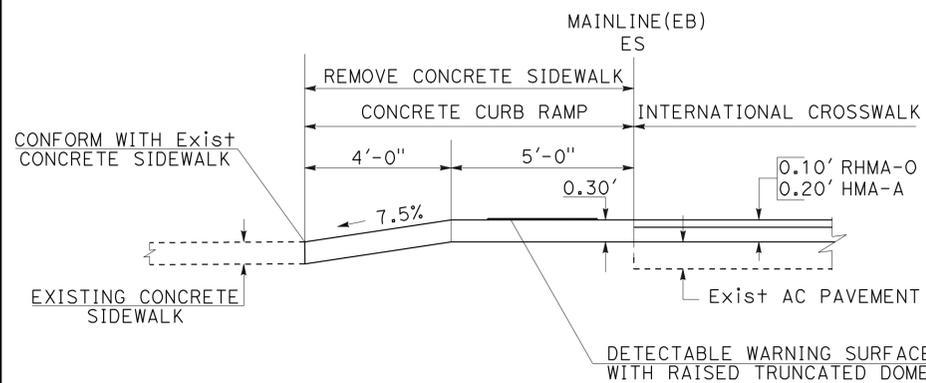
CENTERLINE RUMBLE STRIP AT INTERSECTION WITH LEFT TURN POCKETS



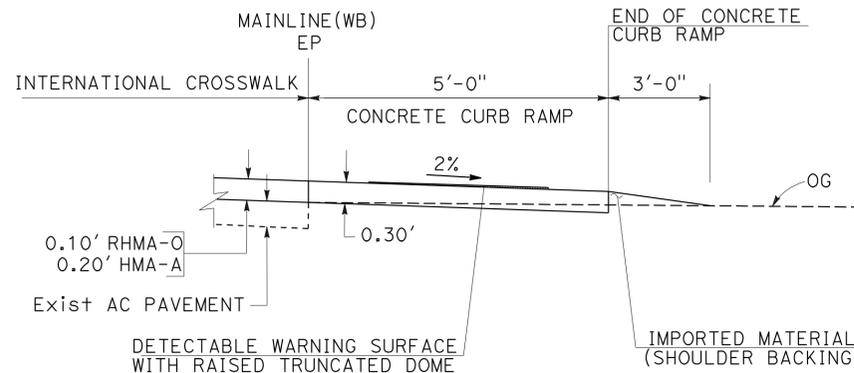
CENTERLINE RUMBLE STRIP AT DRIVEWAY/PRIVATE ROAD APPROACH



CONCRETE CURB RAMP (PM R7.10)



SECTION B-B



SECTION A-A

CONSTRUCTION DETAILS

NO SCALE

C-6

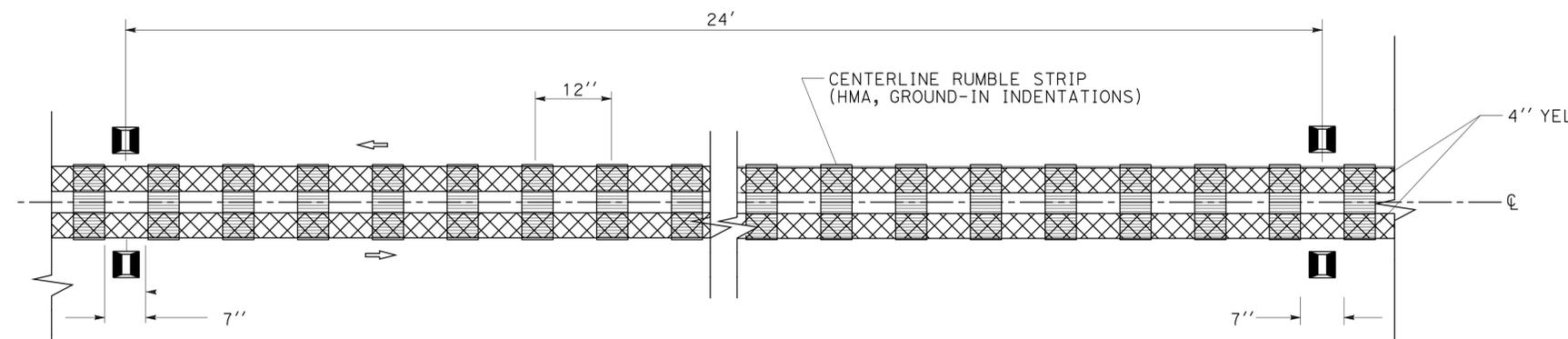
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	9	28
<i>Salahuddin Chowdhury</i> REGISTERED CIVIL ENGINEER			4-2-11 DATE		
5-9-11 PLANS APPROVAL DATE					
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NOTES:

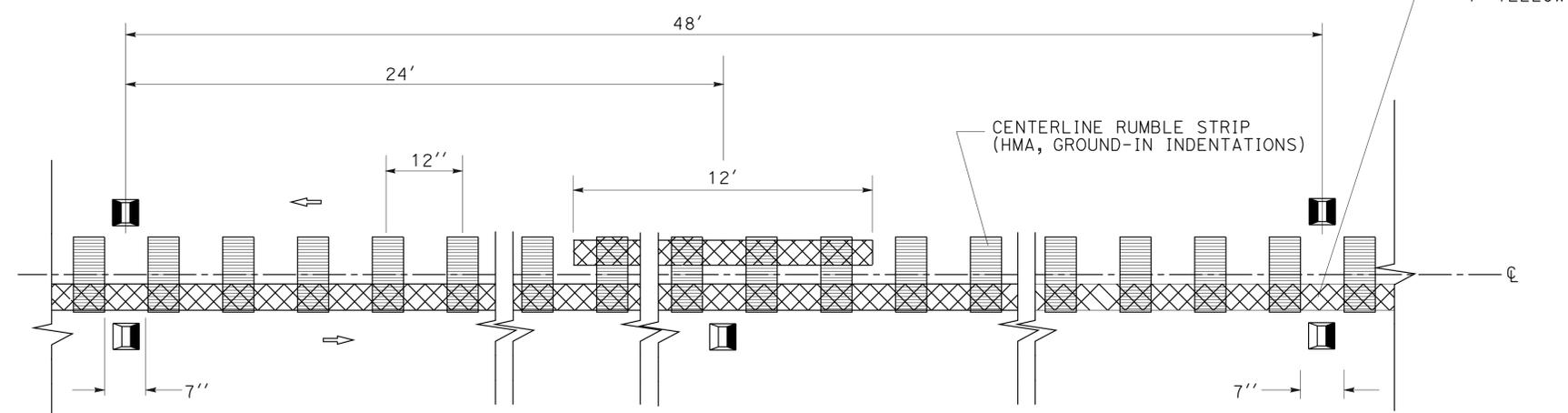
- CENTERLINE RUMBLE STRIP MUST BE CONSTRUCTED PRIOR TO INSTALLING FINAL TRAFFIC STRIPES.
- SEE SHEET PDQ-1, PDQ-2 FOR CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS) QUANTITIES.

LEGEND:

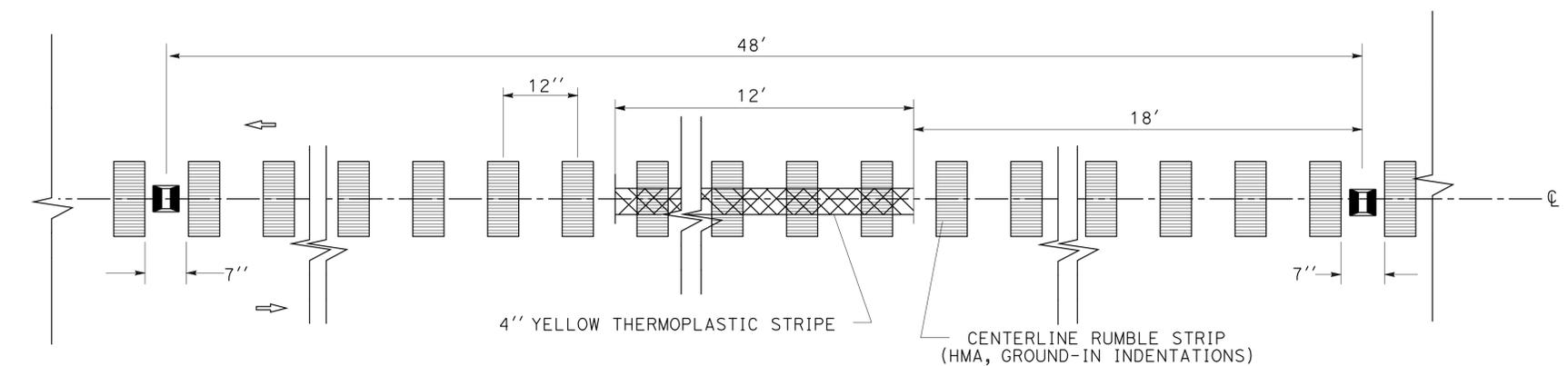
- DIRECTION OF TRAVEL
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE, PAVEMENT MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE, PAVEMENT MARKER



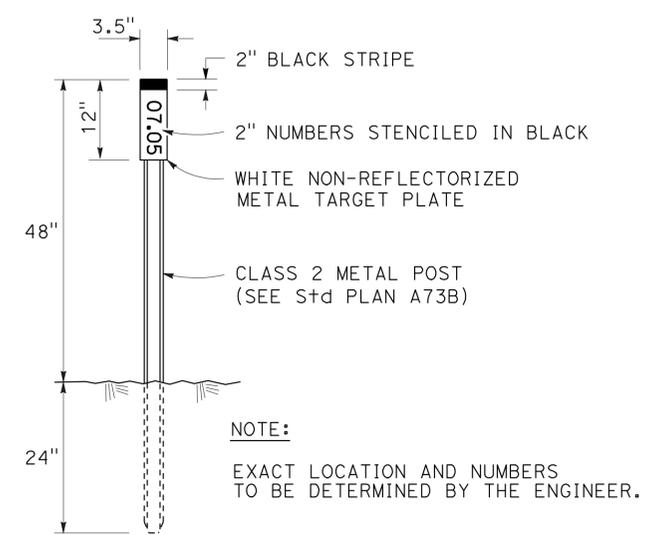
DETAIL 22 WITH CENTERLINE RUMBLE STRIP



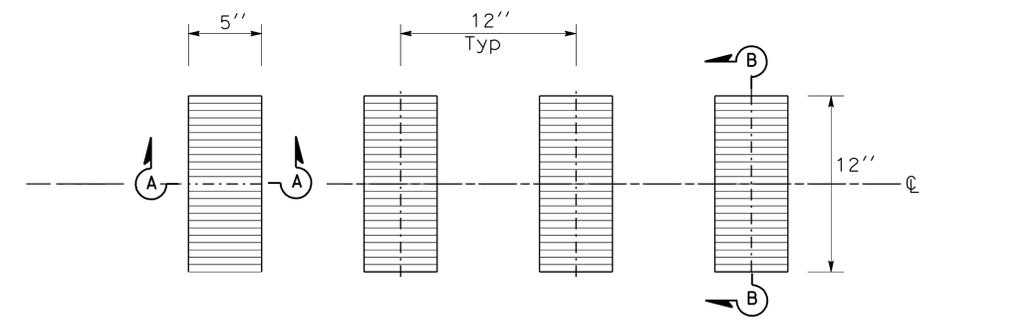
DETAIL 19 WITH CENTERLINE RUMBLE STRIP



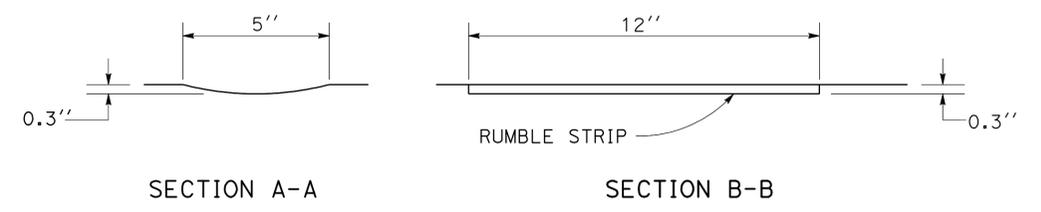
DETAIL 6 WITH CENTERLINE RUMBLE STRIP



MARKER (CULVERT) DETAIL



PLAN



SECTION A-A

SECTION B-B

RUMBLE STRIP DETAILS GROUND-IN INDENTATIONS (CENTERLINE)

CONSTRUCTION DETAILS

NO SCALE

C-7

SALAHUDDIN CHOWDHURY
 STEVEN P. HERYFORD
 FERMIN BARRICA
 DIVISION OF ENGINEERING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	10	28

SALAHUDDIN CHOWDHURY 4-2-11
 REGISTERED CIVIL ENGINEER DATE
 5-9-11
 PLANS APPROVAL DATE
 No. 75140
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	G20-1 [Spec] (5)		60" x 30"	ROAD WORK NEXT 5 MILES	2 - 4" x 6"	2
(B)		C40(Mod)	72" x 42"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 4" x 6"	2
(C)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	7
(D)	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	7
(E)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	2

NOTE:

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER

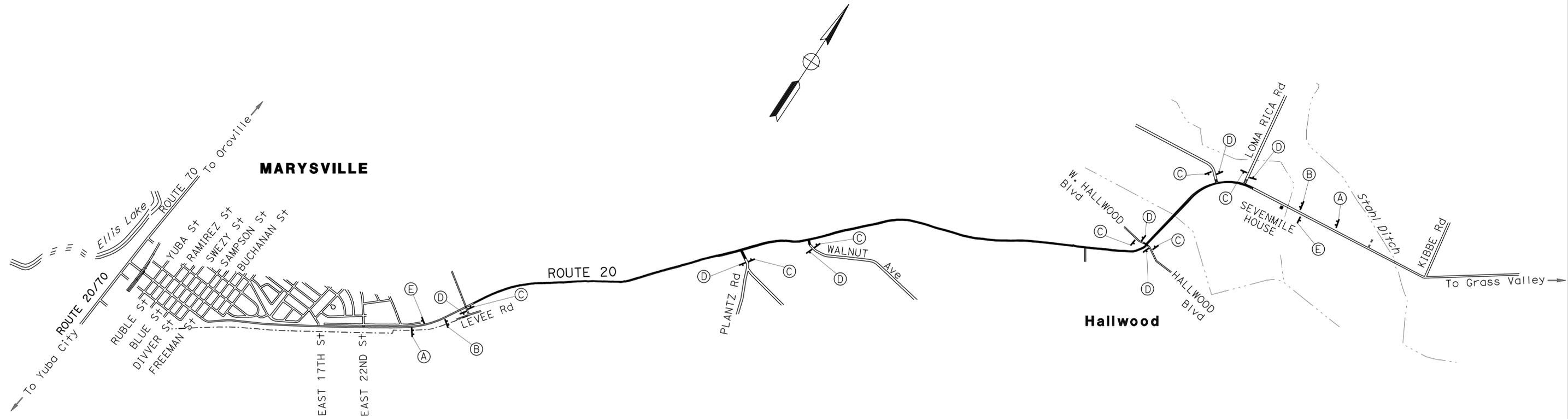
SIGN DETAILS

(A) G20-1 [Spec] (5)
 ROAD WORK
 NEXT 5 MILES
 60"X30"
 6" C
 SERIES
 LETTERS

RETROREFLECTIVE ORANGE
 BACKGROUND WITH BLACK
 LEGEND AND BORDER.

(B) C40(Mod) (CA)
 TRAFFIC FINES
 DOUBLED IN
 WORK ZONES
 72"X42"
 6" D
 SERIES
 LETTERS

RETROREFLECTIVE WHITE
 BACKGROUND WITH BLACK
 LEGEND AND BORDER.

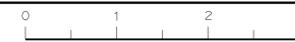


CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF ENGINEERING
 CALTRANS
 FUNCTIONAL SUPERVISOR: FERMIN BARRICA
 SALAHUDDIN CHOWDHURY
 STEVEN P. HERYFORD
 REVISIONS: [Blank]



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	11	28

Salahuddin Chowdhury 4-2-11
 REGISTERED CIVIL ENGINEER DATE

5-9-11
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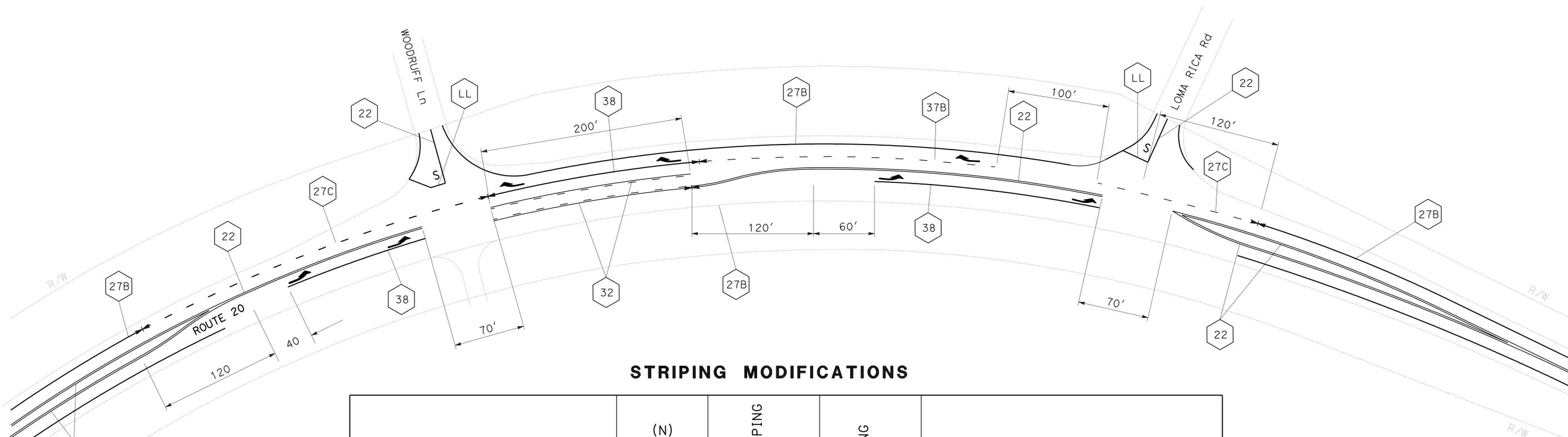
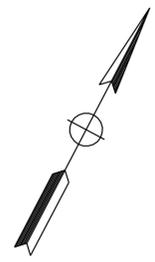
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NOTES:

- FOR STRIPING MODIFICATIONS AND ALL OTHER STRIPING DETAILS AND QUANTITIES SEE PDQ-1 AND PDQ-2.
- SEE CONSTRUCTION DETAILS (C-7) FOR STRIPING DETAILS 6 AND 19 WITH CENTERLINE RUMBLE STRIP.

LEGEND:

- S "STOP" PAVEMENT MARKING
- ↔ CHANGE IN STRIPING PATTERN
- No. PAVEMENT DELINEATION DETAIL NUMBER
- LL LIMIT LINE
- ↗ TYPE III ARROW



STRIPING MODIFICATIONS

LOCATION			(N) LENGTH	EXISTING STRIPING DETAIL	NEW STRIPING DETAIL	COMMENTS
COUNTY	ROUTE	PM TO PM	LF			
YUB	20	R4.87 TO R4.94	367	DETAIL 22	DETAIL 19	WITH CENTERLINE RUMBLE STRIP
		R4.94 TO R5.14	1030	DETAIL 22	DETAIL 6	WITH CENTERLINE RUMBLE STRIP
		R5.14 TO R5.21	391	DETAIL 22	DETAIL 19	WITH CENTERLINE RUMBLE STRIP
		R7.73 TO R7.77	200	DOUBLE DETAIL 22 (MEDIAN ISLAND)	DETAIL 32	TWO-WAY LEFT TURN Ln (EAST OF WOODRUFF Ln)

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

PAVEMENT DELINEATION PLAN

SCALE: 1" = 50'

PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	13	28

Salahuddin Chowdhury
 REGISTERED CIVIL ENGINEER 4-2-11 DATE
 5-9-11 PLANS APPROVAL DATE
 No. 75140 Exp. 12-31-11 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- EXISTING CENTERLINE STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.
- FROM PM R4.87 TO PM R5.21, EXISTING STRIPING DETAIL 22 (NO PASSING ZONES) WILL BE MODIFIED TO DETAILS 6 AND 19 WITH CENTERLINE RUMBLE STRIP. SEE SHEET PD-1.

PAVEMENT DELINEATION QUANTITIES

POST MILE Yub-20	(N) LENGTH	4" THERMOPLASTIC TRAFFIC STRIPE				4" THERMOPLASTIC TRAFFIC STRIPE				8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12		BROKEN 12-3	SOLID				BROKEN 12-3	SOLID	TYPE D	TYPE G	TYPE H			
		DETAIL 6	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B				DETAIL 38		
PM TO PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA		
R3.50 -- R3.58	430								1530		70			4.30	335' DOUBLE DETAIL 22 AND 95' DETAIL 22	
EB-R3.50 -- R3.58	430							430							RIGHT EDGE LINE	
WB-R3.50 -- R3.58	430							430							RIGHT EDGE LINE	
R3.58 -- R3.95	1987		1987			1987					43		84	19.87	DETAIL 19 WITH CENTERLINE RUMBLE STRIP	
EB-R3.58 -- R3.95	1987							1,987							RIGHT EDGE LINE	
WB-R3.58 -- R3.95	1987							1,987							RIGHT EDGE LINE	
R3.95 -- R4.81	4509	4509									95			45.09	DETAIL 6 WITH CENTERLINE RUMBLE STRIP	
EB-R3.95 -- R4.81	4509							4,509							RIGHT EDGE LINE	
WB-R3.95 -- R4.81	4509							4,509							RIGHT EDGE LINE	
R4.81 -- R4.87	297		297			297					8		14	2.97	UP TO (WEST SIDE) PLANTZ Rd	
EB-R4.81 -- R4.87	248							248							RIGHT EDGE LINE	
WB-R4.81 -- R4.87	369							369							RIGHT EDGE LINE	
EB-R4.85 -- R4.88	200				200										R+ EDGE LINE THROUGH PLANTZ Rd INTERSECTION	
R4.85 AT PLANTZ Rd	183							366	366		18				PLANTZ Rd R+ UP TO CONFORM	
R4.87 -- R4.94	367		367			367					17		9	3.67	DETAIL 19 WITH CENTERLINE RUMBLE STRIP	
R4.94 -- R5.14	1030	1030									23			10.30	DETAIL 6 WITH CENTERLINE RUMBLE STRIP	
R5.14 -- R5.21	391		391			391					18		10	3.91	DETAIL 19 WITH CENTERLINE RUMBLE STRIP	
EB-R4.88 -- R5.20	1668							1,668							RIGHT EDGE LINE UP TO (WEST SIDE) WALNUT Ave	
WB-R4.87 -- R5.21	1786							1,786							RIGHT EDGE LINE	
EB-R5.20 -- 5.24	184				184										R+ EDGE LINE THROUGH WALNUT Ave INTERSECTION	
R5.21 AT WALNUT Ave	114							228	228		12				WALNUT Ave R+ UP TO CONFORM	
R5.21 -- 5.72	2620								5240		222			26.20	DETAIL 22 WITH CENTERLINE RUMBLE STRIP	
EB-5.24 -- 5.72	2554							2,554							RIGHT EDGE LINE	
WB-R5.21 -- 5.72	2699							2,699							RIGHT EDGE LINE	
5.72 -- 5.93	1091		1091			1091					24		47		OMIT CENTERLINE RUMBLE STRIP	
EB-5.72 -- 5.93	1091							1,091							RIGHT EDGE LINE	
WB-5.72 -- 5.93	1091							1,091							RIGHT EDGE LINE	
5.93 -- 6.74	4277	4277									91				OMIT CENTERLINE RUMBLE STRIP	
EB-5.93 -- 6.74	4277							4,277							RIGHT EDGE LINE	
WB-5.93 -- 6.74	4277							4,277							RIGHT EDGE LINE	
6.74 -- R6.84	510		510			510					12		23		OMIT CENTERLINE RUMBLE STRIP (RESIDENTIAL AREA)	
EB-6.74 -- R6.84	510							510							RIGHT EDGE LINE UP TO MEYER Ln	
WB-6.74 -- R6.84	510							510							RIGHT EDGE LINE	
R6.84 -- R6.89	245								490		24				OMIT CENTERLINE RUMBLE STRIP (DETAIL 22)	
R6.89 -- R6.93	242								968		48				OMIT CENTERLINE RUMBLE STRIP (DOUBLE DETAIL 22)	
EB-6.84 -- R6.93	487							487							RIGHT EDGE LINE	
WB-6.84 -- R6.93	487							487							RIGHT EDGE LINE	
R6.93 -- R6.98	285		570			570					34				OMIT CENTERLINE RUMBLE STRIP (TWO-WAY L+ TURN Ln)	
EB-R6.93 -- R6.98	285							285							RIGHT EDGE LINE	
WB-R6.93 -- R6.98	285							285							RIGHT EDGE LINE	
SUBTOTAL THIS SHEET		9816	4643	570	384	4643	570	37,070	8822	0	0	759	0	187	116.31	

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

PAVEMENT DELINEATION QUANTITIES PDQ-1

LAST REVISION | DATE PLOTTED => 16-MAY-2011
 05-03-11 TIME PLOTTED => 11:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	14	28

Salahuddin Chowdhury 4-2-11
 REGISTERED CIVIL ENGINEER DATE

5-9-11
 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.

NOTES:

- EXISTING CENTERLINE STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.
- AT EAST OF WOODRUFF Ln (PM R7.73 TO R7.77), EXISTING DOUBLE YELLOW MEDIAN ISLANDS HAVE BEEN MODIFIED TO A TWO-WAY LEFT TURN Ln (DETAIL 32).
- OMIT CENTERLINE RUMBLE STRIP BETWEEN WOODRUFF Ln AND LOMA RICA ROAD.

PAVEMENT DELINEATION QUANTITIES

POST MILE Yub-20	(N) LENGTH	4" THERMOPLASTIC TRAFFIC STRIPE				4" THERMOPLASTIC TRAFFIC STRIPE				8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS) STA	COMMENTS
		BROKEN 36-12		BROKEN 12-3	SOLID				BROKEN 12-3	SOLID	TYPE D	TYPE G	TYPE H			
		DETAIL 6	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B				DETAIL 38		
PM TO PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA		
R6.98-- R7.01	176										176		9			WEST OF HALLWOOD Blvd (CHANNELIZING LINE)
R6.98-- R7.01	169								338			18				OMIT CENTERLINE RUMBLE STRIP (WEST OF HALLWOOD Blvd)
R6.99-- R7.01	139										139		7			WEST OF HALLWOOD Blvd
EB-R6.98-- R7.01	169									169						RIGHT EDGELINE
WB-R6.98-- R7.02	191				22					169						EDGELINE AND EXTENSION THROUGH WEST HALLWOOD
R7.01 AT W. HALLWOOD Blvd	50									100	100	8				WEST HALLWOOD Blvd UP TO CONFORM
R7.01 AT HALLWOOD Blvd	50									100	100	8				EAST HALLWOOD Blvd UP TO CONFORM
WB-R7.02-- R7.04	74												5			EAST OF HALLWOOD Blvd (CHANNELIZING LINE)
R7.02-- R7.14	775										1,550	68				OMIT CENTERLINE RUMBLE STRIP (SCHOOL AREA)
EB-R7.01-- R7.14	775									775						RIGHT EDGELINE
WB-R7.02-- R7.14	775									775						RIGHT EDGELINE
R7.14-- R7.27	685	685										16				OMIT CENTERLINE RUMBLE STRIP
R7.27-- R7.51	1262	1,262										28			12.62	DETAIL 6 WITH CENTERLINE RUMBLE STRIP
EB-R7.14-- R7.51	1947									1,947						RIGHT EDGELINE
WB-R7.14-- R7.51	1947									1,947						RIGHT EDGELINE
R7.51-- R7.55	214		214			214						6		10	2.14	DETAIL 19 WITH CENTERLINE RUMBLE STRIP
R7.55-- R7.56	37										74	6			0.37	DETAIL 22 WITH CENTERLINE RUMBLE STRIP
R7.56-- R7.67	632										2,528	112			6.32	DOUBLE DETAIL 22 WITH CENTERLINE RUMBLE STRIP
R7.67-- R7.72	229										458		9			OMIT CENTERLINE RUMBLE STRIP
EB-R7.51-- R7.72	1112									1,112						RIGHT EDGELINE
WB-R7.51-- R7.65	763									763						RIGHT EDGELINE
WB-R7.65-- R7.73	419				419											EDGELINE EXTENSION THROUGH WOODRUFF Ln
R7.73 AT WOODRUFF Ln	59									118	118	8				WOODRUFF Ln UP TO CONFORM
R7.73-- R7.77	200		400					400				26				TWO-WAY LEFT TURN Ln (EAST OF WOODRUFF Ln)
R7.73-- R7.77	200												10			NORTH OF WOODRUFF Ln
R7.77-- R7.83	304										304		11			LANE DROP AT INTERSECTION (LOMA RICA Rd)
WB-R7.73-- R7.85	604									604						RIGHT EDGELINE
WB-R7.85-- R7.88	155				155											EDGELINE EXTENSION THROUGH LOMA RICA Rd
R7.77-- R7.85	404										808	36				OMIT CENTERLINE RUMBLE STRIP
R7.86 AT LOMA RICA Rd	66									132	132	8				LOMA RICA Rd UP TO CONFORM
R7.80-- R7.85	224												11			CHANNELIZING LINE
R7.87-- R7.96	463										1,852	84			4.63	DOUBLE DETAIL 22 (ISLAND) WITH CENTERLINE RUMBLE STRIP
EB-R7.72-- R8.00	1388									1,388						RIGHT EDGELINE
WB-R7.88-- R8.00	559									559						RIGHT EDGELINE
R7.96-- R8.00	181		181			181						5		9	1.81	DETAIL 19 WITH CENTERLINE RUMBLE STRIP
SUBTOTAL THIS SHEET		1,947	395	400	596	395	400	10,658	8,058	304	1002	459	62	19	27.89	
SUBTOTAL SHEET PDQ-1		9,816	4,643	570	384	4,643	570	37,070	8,822	0	0	759	0	187	116.31	SEE SHEET PDQ-1
GRAND TOTALS			17,771		980			70,616		304	1002		1486		144.20	FROM PM R3.5 TO R8.0

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

PAVEMENT DELINEATION QUANTITIES

PDQ-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	15	28

Salahuddin Chowdhury
 REGISTERED CIVIL ENGINEER 4-2-11 DATE
 5-9-11 PLANS APPROVAL DATE
 No. 75140 Exp. 12-31-11
 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PAVEMENT MARKINGS

POST MILE Yub-20	THERMOPLASTIC PAVEMENT MARKING							DESCRIPTION	
	ARROWS		WORDS				YELLOW INTERNATIONAL CROSSWALK		LIMIT LINE
	TYPE III (L+)	TYPE III (R+)	"STOP"	"SLOW"	"XING"	"SCHOOL"			
	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT		
EB-R4.85 AT PLANTZ Rd			44					38	2 "STOP" AND 38 F+ LIMIT LINE AT PLANTZ Rd
EB-R5.20 AT WALNUT Ave			44					43	2 "STOP" AND 43 F+ LIMIT LINE AT WALNUT Ave
R6.93 TO R6.97	84								2 TYPE III (L) ARROWS AT TWO-WAY LEFT TURN LANES AT WEST OF HALLWOOD Blvd
EB-R6.98 SOUTH OF HALLWOOD Blvd		42							1 TYPE III (R) ARROW DIRECTING RIGHT TURN AT HALLWOOD Blvd
EB-R7.01 SOUTH OF HALLWOOD Blvd		42							1 TYPE III (R) ARROW DIRECTING RIGHT TURN AT HALLWOOD Blvd
EB-R7.01 SOUTH OF HALLWOOD Blvd	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT WEST HALLWOOD Blvd
R7.018 AT HALLWOOD Blvd			22						1 "STOP" AND 38 F+ LIMIT LINE AT HALLWOOD Blvd
R7.018 AT WEST HALLWOOD Blvd			22						1 "STOP" AND 39 F+ LIMIT LINE AT WEST HALLWOOD Blvd
WB-R7.02 NORTH OF HALLWOOD Blvd	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT HALLWOOD Blvd
EB-R7.04 NORTH OF HALLWOOD Blvd				23	21	35			"SLOW" "SCHOOL" "XING" YELLOW MARKING IN EB Ln AT NORTH OF HALLWOOD Blvd
R7.10 NORTH OF HALLWOOD Blvd							140		YELLOW INTERNATIONAL CROSSWALK MARKINGS AT SCHOOL GATE (SOUTH SIDE)
WB-R7.18 NORTH OF SCHOOL				23	21	35			"SLOW" "SCHOOL" "XING" YELLOW MARKING IN WB Ln AT NORTH OF CORDUA SCHOOL
EB-R7.69 WEST OF WOODRUFF Ln	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT WOODRUFF Ln
EB-R7.72 WEST OF WOODRUFF Ln	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT WOODRUFF Ln
R7.74 AT WOODRUFF Ln			22					32	1 "STOP" AND 32 F+ LIMIT LINE AT WOODRUFF Ln
WB-R7.74 AT EAST OF WOODRUFF Ln		42							1 TYPE III (R) ARROW DIRECTING RIGHT TURN AT WOODRUFF Ln
R7.76 AT EAST OF WOODRUFF Ln	84								2 TYPE III (L) ARROWS AT TWO-WAY LEFT TURN Ln AT NORTH OF WOODRUFF Ln
WB-R7.77 AT EAST OF WOODRUFF Ln		42							1 TYPE III (R) ARROW DIRECTING RIGHT TURN AT WOODRUFF Ln
EB-R7.80 AT EAST OF WOODRUFF Ln	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT LOMA RICA Rd
WB-R7.82 AT EAST OF WOODRUFF Ln		42							1 TYPE III (R) ARROW DIRECTING RIGHT TURN AT WOODRUFF Ln
EB-R7.85 AT WEST OF LOMA RICA Rd	42								1 TYPE III (L) ARROW DIRECTING LEFT TURN AT LOMA RICA Rd
R7.86 AT LOMA RICA Rd			22					22	1 "STOP" AND 22 F+ LIMIT LINE AT LOMA RICA Rd
TOTAL	420	210	176	46	42	70	140	212	
GRAND TOTAL						1316			FROM PM R3.5 TO R8.0

DELINEATOR

COUNTY ROUTE	POST MILE	LOCATION	DELINEATOR (CLASS 1)		DELINEATOR SPACING (FT)
			TYPE E (EA)	TYPE F (EA)	
Yub-20	PM R3.50 TO PM R3.80 FWBT	ON CURVE FWBT	11		160
	PM R4.10 TO PM R4.40 FEBT	ON CURVE FEBT	8		160
	PM 5.50 TO PM 5.83 FWBT	ON CURVE FWBT	11		130
	PM R6.81 TO PM R6.97 FEBT	ON CURVE FEBT	13		65
	PM R7.52 TO PM R7.95 FWBT	ON CURVE FWBT	21		110
	PM R4.85 (INTERSECTION)	PLANTZ RD (FEBT)	2	3	
	PM R5.20 (INTERSECTION)	WALNUT Ave (FEBT)	2	3	
	PM R7.01 (FEBT AND FWBT)	HALLWOOD Blvd INTERSECTIONS	4	6	
	PM R7.74 (INTERSECTION)	WOODRUFF Ln (FWBT)	2	3	
	PM R7.86 (INTERSECTION)	LOMA RICA Rd (FWBT)	2	3	
	TOTAL		76	18	
	GRAND TOTAL (PM R3.5 TO R8.0)		94		

PAVEMENT DELINEATION QUANTITIES

PDQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING
 SALAHUDDIN CHOWDHURY
 STEVEN P. HERYFORD
 FERMIN BARRICA

LAST REVISION DATE PLOTTED => 16-MAY-2011
 05-03-11 TIME PLOTTED => 11:09

HOT MIX ASPHALT

LOCATION	TON
EB/WB ROUTE 20 PM R3.50 TO R8.00	16,814
EB PLANTZ ROAD AT PM R4.85	120
EB WALNUT ROAD AT PM R5.20	102
EB DRIVEWAY AT PM 5.86	9
EB DRIVEWAY AT PM 5.87	9
EB DRIVEWAY AT PM 5.89	9
EB DRIVEWAY AT PM 5.90	11
EB DRIVEWAY AT PM 5.91	17
EB DRIVEWAY AT PM 5.96	9
EB DRIVEWAY AT PM 6.02	11
EB DRIVEWAY AT PM 6.08	9
EB DRIVEWAY #1 AT PM 6.13	14
EB DRIVEWAY #2 AT PM 6.13	15
EB DRIVEWAY AT PM 6.32	10
EB DRIVEWAY AT PM 6.36	10
EB DRIVEWAY AT PM 6.46	15
EB DRIVEWAY AT PM 6.50	19
EB DRIVEWAY AT PM 6.55	17
EB DRIVEWAY AT PM 6.59	13
EB DRIVEWAY AT PM 6.64	15
EB DRIVEWAY AT PM 6.70	15
EB DRIVEWAY AT PM 6.72	16
EB DRIVEWAY AT PM R6.84	18
EB DRIVEWAY AT PM R6.95	16
EB DRIVEWAY AT PM R7.06	10
EB DRIVEWAY AT PM R7.07	13
EB DRIVEWAY AT PM R7.09	14
EB DRIVEWAY AT PM R7.13	73
EB DRIVEWAY AT PM R7.16	11
EB DRIVEWAY #1 AT PM R7.49	20
EB DRIVEWAY #2 AT PM R7.49	20
EB DRIVEWAY AT PM R7.74	18
WB CENEDELLA RANCH DRIVEWAY AT PM R3.75	29
WB DRIVEWAY AT PM R4.91	34
WB DRIVEWAY AT PM 5.40	11
WB DRIVEWAY AT PM 5.49	10
WB DRIVEWAY AT PM 5.72	32
WB DRIVEWAY AT PM 6.35	11
WB DRIVEWAY AT PM 6.37	11
WB DRIVEWAY AT PM 6.59	10
WB DRIVEWAY AT PM 6.66	10
WB DRIVEWAY AT PM 6.69	11
WB DRIVEWAY #2 AT PM 6.72	10
WB DRIVEWAY #1 AT PM 6.72	9
WB BUSINESS DRIVEWAY AT PM 6.73	86
WB DRIVEWAY AT PM R6.82	11
WB DRIVEWAY AT PM R6.92	10
WB BUSINESS DRIVEWAY AT PM R6.95	38
WB DRIVEWAY AT PM R6.98	13
WB MARKET DRIVEWAY AT PM R7.04	73
WB DRIVEWAY AT PM R7.07	12
WB DRIVEWAY AT PM R7.11	40
WB DRIVEWAY AT PM R7.14	12
WB DRIVEWAY AT PM R7.28	18
WB DRIVEWAY AT PM R7.44	18
WB DRIVEWAY AT PM R7.50	17
PLACE HMA DIKE (TYPE E) AT Rte 20 AND PLANTZ Rd	22
PLACE HMA DIKE (TYPE E) AT Rte 20 AND WALNUT Ave	16
TOTAL	18,066

TACK COAT

LOCATION	FOR HMA	FOR RHMA-0
	(TON)	(TON)
EB/WB ROUTE 20 PM R3.50 TO R8.00	52.54	33.53
EB PLANTZ ROAD AT PM R4.85	0.37	
EB WALNUT ROAD AT PM R5.20	0.32	
EB DRIVEWAY AT PM 5.86	0.03	
EB DRIVEWAY AT PM 5.87	0.03	
EB DRIVEWAY AT PM 5.89	0.03	
EB DRIVEWAY AT PM 5.90	0.03	
EB DRIVEWAY AT PM 5.91	0.05	
EB DRIVEWAY AT PM 5.96	0.03	
EB DRIVEWAY AT PM 6.02	0.03	
EB DRIVEWAY AT PM 6.08	0.03	
EB DRIVEWAY #1 AT PM 6.13	0.04	
EB DRIVEWAY #2 AT PM 6.13	0.05	
EB DRIVEWAY AT PM 6.32	0.03	
EB DRIVEWAY AT PM 6.36	0.03	
EB DRIVEWAY AT PM 6.46	0.05	
EB DRIVEWAY AT PM 6.50	0.06	
EB DRIVEWAY AT PM 6.55	0.05	
EB DRIVEWAY AT PM 6.59	0.04	
EB DRIVEWAY AT PM 6.64	0.05	
EB DRIVEWAY AT PM 6.70	0.05	
EB DRIVEWAY AT PM 6.72	0.05	
EB DRIVEWAY AT PM R6.84	0.06	
EB DRIVEWAY AT PM R6.95	0.05	
EB DRIVEWAY AT PM R7.06	0.03	
EB DRIVEWAY AT PM R7.07	0.04	
EB DRIVEWAY AT PM R7.09	0.04	
EB DRIVEWAY AT PM R7.13	0.23	
EB DRIVEWAY AT PM R7.16	0.03	
EB DRIVEWAY #1 AT PM R7.49	0.06	
EB DRIVEWAY #2 AT PM R7.49	0.06	
EB DRIVEWAY AT PM R7.74	0.06	
WB CENEDELLA RANCH DRIVEWAY AT PM R3.75	0.09	
WB DRIVEWAY AT PM R4.91	0.11	
WB DRIVEWAY AT PM 5.40	0.04	
WB DRIVEWAY AT PM 5.49	0.03	
WB DRIVEWAY AT PM 5.72	0.10	
WB DRIVEWAY AT PM 6.35	0.04	
WB DRIVEWAY AT PM 6.37	0.04	
WB DRIVEWAY AT PM 6.59	0.03	
WB DRIVEWAY AT PM 6.66	0.03	
WB DRIVEWAY AT PM 6.69	0.04	
WB DRIVEWAY #2 AT PM 6.72	0.03	
WB DRIVEWAY #1 AT PM 6.72	0.03	
WB BUSINESS DRIVEWAY AT PM 6.73	0.27	
WB DRIVEWAY AT PM R6.82	0.04	
WB DRIVEWAY AT PM R6.92	0.03	
WB BUSINESS DRIVEWAY AT PM R6.95	0.12	
WB DRIVEWAY AT PM R6.98	0.04	
WB MARKET DRIVEWAY AT PM R7.04	0.23	
WB DRIVEWAY AT PM R7.07	0.04	
WB DRIVEWAY AT PM R7.11	0.13	
WB DRIVEWAY AT PM R7.14	0.04	
WB DRIVEWAY AT PM R7.28	0.06	
WB DRIVEWAY AT PM R7.44	0.06	
WB DRIVEWAY AT PM R7.50	0.05	
SUBTOTAL	56.34	33.53
TOTAL	89.87	

CRACK TREATMENT

LOCATION	LANE MILE
EB ROUTE 20	4.5
WB ROUTE 20	4.5
TOTAL	9.0

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	16	28

Salahuddin Chowdhury 4-2-11
 REGISTERED CIVIL ENGINEER DATE

5-9-11
 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.

RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)

LOCATION	TON
EB/WB ROUTE 20 PM R3.50 TO R8.00	7665
TOTAL	7665

IMPORTED MATERIAL (SHOULDER BACKING)

LOCATION	TON
EB/WB ROUTE 20 PM R3.5 TO R4.0	346
EB/WB ROUTE 20 PM R4.0 TO R4.5	345
EB/WB ROUTE 20 PM R4.5 TO R5.0	363
EB/WB ROUTE 20 PM R5.0 TO R5.5	373
EB/WB ROUTE 20 PM R5.5 TO 6.0	340
EB/WB ROUTE 20 PM 6.0 TO 6.5	366
EB/WB ROUTE 20 PM 6.5 TO R7.0	361
EB/WB ROUTE 20 PM R7.0 TO R7.5	371
EB/WB ROUTE 20 PM R7.5 TO R8.0	343
TOTAL	3208

REPLACE AC SURFACING

LOCATION	EASTBOUND	WESTBOUND
	WIDTH (LF)	
	12	12
VOLUME (CY)		
PM R3.5 TO PM R4.0	90.3	104.2
PM R4.0 TO PM R4.5	69.4	69.4
PM R4.5 TO PM R5.0	104.2	97.2
PM R5.0 TO PM R5.5	83.3	83.3
PM R5.5 TO PM 6.0	83.3	83.3
PM 6.0 TO PM 6.5	83.3	83.3
PM 6.5 TO PM R7.0	83.3	83.3
PM R7.0 TO PM R7.5	451.4	354.2
PM R7.5 TO PM R8.0	444.4	347.2
SUBTOTAL	1492.9	1305.4
TOTAL	2798.3	

SUMMARY OF QUANTITIES

Q-1

NOTES:

- FOR LENGTH OF HMA DIKE (TYPE E), SEE SHEETS C-5 AND Q-3.
- FOR DIMENSIONS OF EB/WB DRIVEWAYS, SEE SHEET C-4.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	17	28

Salahuddin Chowdhury
 REGISTERED CIVIL ENGINEER DATE 4-2-11

5-9-11
 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.

COLD PLANE AC PAVEMENT - TABLE 1

LOCATION	(0.10' Max)	(0.20' Max)	(0.30' Max)
	SQYD	SQYD	SQYD
EB/WB ROUTE 20 PM R3.50 TO R3.64	2,961		
EB/WB ROUTE 20 PM R3.64 TO R4.82	19,079		
EB/WB ROUTE 20 PM R4.82 TO R4.88	1,299		
EB/WB ROUTE 20 PM R4.88 TO R5.11	3,727		
EB/WB ROUTE 20 PM R5.11 TO 5.24	2,486		
EB/WB ROUTE 20 PM R5.24 TO 5.86	9,592		
EB/WB ROUTE 20 PM 5.86 TO R6.95	18,141		
EB/WB ROUTE 20 PM R6.95 TO R7.07	4,080		
EB/WB ROUTE 20 PM R7.07 TO R7.16	1,715		
EB/WB ROUTE 20 PM R7.16 TO R7.50	5,742		
EB/WB ROUTE 20 PM R7.50 TO R7.68	3,388		
EB/WB ROUTE 20 PM R7.68 TO R7.91	6,942		
EB/WB ROUTE 20 PM R7.91 TO R8.00	1,550		
CONFORM EB/WB ROUTE 20 AT PM R3.50			327
CONFORM EB/WB ROUTE 20 AT PM R8.00			281
CONFORM EB PLANTZ ROAD AT PM R4.85	69	52	
CONFORM EB WALNUT ROAD AT PM R5.20	72	64	
CONFORM EB HALLWOOD Blvd AT PM R7.02	94	126	
CONFORM WB HALLWOOD Blvd AT PM R7.02	58	82	
CONFORM WB WOODRUFF LANE AT PM R7.76	64	80	
CONFORM WB LOMA RICA ROAD AT PM R7.89	62	80	
CONFORM EB DRIVEWAY AT PM 5.86		17	
CONFORM EB DRIVEWAY AT PM 5.87		17	
CONFORM EB DRIVEWAY AT PM 5.89		16	
CONFORM EB DRIVEWAY AT PM 5.90		21	
CONFORM EB DRIVEWAY AT PM 5.91		38	
CONFORM EB DRIVEWAY AT PM 5.96		14	
CONFORM EB DRIVEWAY AT PM 6.02		15	
CONFORM EB DRIVEWAY AT PM 6.08		11	
CONFORM EB DRIVEWAY #1 AT PM 6.13		17	
CONFORM EB DRIVEWAY #2 AT PM 6.13		21	
CONFORM EB DRIVEWAY AT PM 6.32		11	
CONFORM EB DRIVEWAY AT PM 6.36		10	
CONFORM EB DRIVEWAY AT PM 6.46		17	
CONFORM EB DRIVEWAY AT PM 6.50		21	
CONFORM EB DRIVEWAY AT PM 6.55		17	
CONFORM EB DRIVEWAY AT PM 6.59		12	
CONFORM EB DRIVEWAY AT PM 6.64		13	
CONFORM EB DRIVEWAY AT PM 6.70		15	
CONFORM EB DRIVEWAY AT PM 6.72		16	
CONFORM EB DRIVEWAY AT PM R6.84		25	
CONFORM EB DRIVEWAY AT PM R6.95		20	
CONFORM EB DRIVEWAY AT PM R7.06		13	
CONFORM EB DRIVEWAY AT PM R7.07		17	
CONFORM EB DRIVEWAY AT PM R7.09		18	
CONFORM EB DRIVEWAY AT PM R7.13		327	
CONFORM EB DRIVEWAY AT PM R7.16		13	
CONFORM EB DRIVEWAY #1 AT PM R7.49		15	
CONFORM EB DRIVEWAY #2 AT PM R7.49		15	
CONFORM EB DRIVEWAY AT PM R7.74		19	
SUBTOTAL (TABLE 1)	81,121	1285	608

COLD PLANE AC PAVEMENT - TABLE 2

LOCATION	(0.10' Max)	(0.20' Max)	(0.30' Max)
	SQYD	SQYD	SQYD
CONFORM WB CENEDELLA RANCH DRIVEWAY AT PM R3.75		25	
CONFORM WB DRIVEWAY AT PM R4.91		21	
CONFORM WB DRIVEWAY AT PM 5.40		16	
CONFORM WB DRIVEWAY AT PM 5.49		12	
CONFORM WB DRIVEWAY AT PM 5.72		17	
CONFORM WB DRIVEWAY AT PM 6.35		14	
CONFORM WB DRIVEWAY AT PM 6.37		14	
CONFORM WB DRIVEWAY AT PM 6.59		16	
CONFORM WB DRIVEWAY AT PM 6.66		13	
CONFORM WB DRIVEWAY AT PM 6.69		16	
CONFORM WB DRIVEWAY #2 AT PM 6.72		14	
CONFORM WB DRIVEWAY #1 AT PM 6.72		11	
CONFORM WB BUSINESS DRIVEWAY AT PM 6.73		184	
CONFORM WB DRIVEWAY AT PM R6.82		15	
CONFORM WB DRIVEWAY AT PM R6.92		21	
CONFORM WB BUSINESS DRIVEWAY AT PM R6.95		199	
CONFORM WB DRIVEWAY AT PM R6.98		24	
CONFORM WB MARKET DRIVEWAY AT PM R7.04		137	
CONFORM WB DRIVEWAY AT PM R7.07		16	
CONFORM WB DRIVEWAY AT PM R7.11		73	
CONFORM WB DRIVEWAY AT PM R7.14		17	
CONFORM WB DRIVEWAY AT PM R7.28		18	
CONFORM WB DRIVEWAY AT PM R7.44		17	
CONFORM WB DRIVEWAY AT PM R7.50		15	
SUBTOTAL (TABLE 2)		925	
SUBTOTAL (TABLE 1)	81,121	1,285	608
TOTAL		83,939	

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING
 Fermin Barriga
 Functional Supervisor
 Jose Luis Valdez
 Salahuddin Chowdhury
 Revised By
 Date Revised

MARKER (CULVERT)

POST MILE	MARKER (CULVERT) (EA)	REMARKS
R3.99	1	18" X 72' RCP, DI IN SHOULDER OF EB LANES
R4.15	1	18" X 80' RCP, DI IN SHOULDER OF EB LANES
R4.36	1	42" X 140' RCP
R4.91	1	DOUBLE 30" RCP
R5.41	1	18" X 76' RCP
R5.60	1	18" X 80' RCP
6.17	1	7' X 4' RCB
6.58	1	30" X 170' RCP
R6.86	1	18" RCP
R7.05	1	18" X 92' RCP/APC
R7.36	1	24" X 104' APC
R7.51	1	60" APC
R7.72	1	30" X 120' RCP/APC
TOTAL	13	

REMOVE CONCRETE SIDEWALK

POST MILE LOCATION	REMOVE CONCRETE SIDEWALK (CY)
R7.01 EB (SCHOOL)	1.0
TOTAL	1.0

NOTE:
SEE SHEET C-6 FOR REMOVE CONCRETE SIDEWALK LOCATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	18	28

Salahuddin Chowdhury
 REGISTERED CIVIL ENGINEER
 DATE 4-2-11
 5-9-11
 PLANS APPROVAL DATE

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HIGHWAY POST MARKER

POST MILE	HIGHWAY POST MARKER EAST BOUND TRAFFIC (EA)	HIGHWAY POST MARKER WEST BOUND TRAFFIC (EA)
R3.50		1
R4.00	1	
R4.50		1
R5.00	1	
5.50		1
6.00	1	
6.50		1
R7.00	1	
R7.50		1
R8.00	1	
TOTAL	5	5
GRAND TOTAL	10	

NOTE: EXACT HIGHWAY POST MARKER LOCATIONS TO BE DETERMINED BY THE ENGINEER.

REMOVE/PLACE HMA DIKE

POST MILE	LOCATION	REMOVE AC DIKE (LF)	PLACE HMA DIKE (TYPE E) (LF)
R4.85	HWY-20/PLANTZ Rd	760	760
R5.20	HWY-20/WALNUT Ave	568	568
TOTAL		1328	1328

NOTES:
1. SEE SHEET C-5 FOR REMOVE/PLACE HMA DIKE LOCATIONS AND DETAILS.
2. FOR HOT MIX ASPHALT QUANTITIES TO PLACE HMA DIKE (TYPE E), SEE SHEET Q-1.

MINOR CONCRETE (CURB RAMP)

POST MILE DIRECTION	MINOR CONCRETE (CURB RAMP) (CY)	CURB RAMP DETECTABLE WARNING SURFACE (N) (SQFT)
	R7.01 EB	1.0
R7.01 WB	0.60	30
TOTAL	1.60	60

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
NOTE:
SEE SHEET C-6 FOR CONCRETE CURB RAMP DETAILS AT BOTH SIDE OF INTERNATIONAL CROSSWALK NEAR SCHOOL.

ROCK SLOPE PROTECTION (RSP)

POST MILE	RSP (LIGHT, METHOD B) (CY)	RSP FABRIC (SQYD)	DIMENSIONS/SIZE OF TRENCH	DESCRIPTION
	R3.51	1.8		
R3.54	7.4	21.8	LENGTH (ALONG PIPE)= 10 FT, WIDTH=10 FT, DEPTH=2.0 FT	EXISTING CMP DOWNDRAIN WITH T-END SECTION
TOTAL	9.2	31.1		

NOTE: EXISTING CMP DOWNDRAIN PIPE INCLUDING FES/T-END SECTION WILL EXTEND 2' OVER THE PROPOSED RSP. SEE SHEET C-5 FOR RSP DETAILS AT PM R3.51.

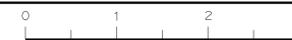
TEMPORARY FENCE (TYPE ESA)

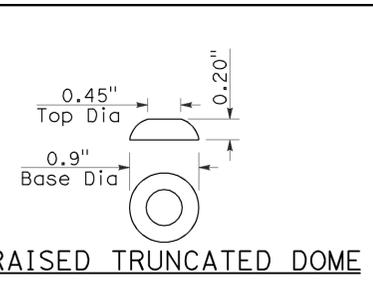
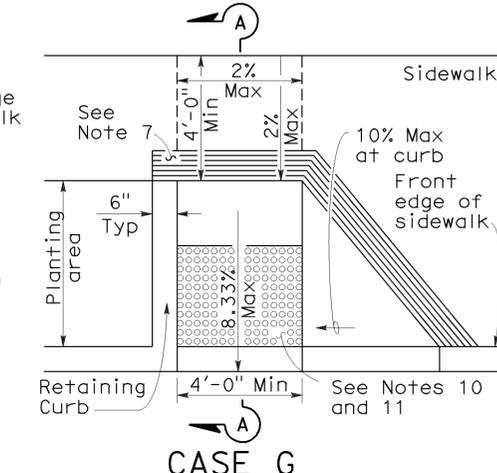
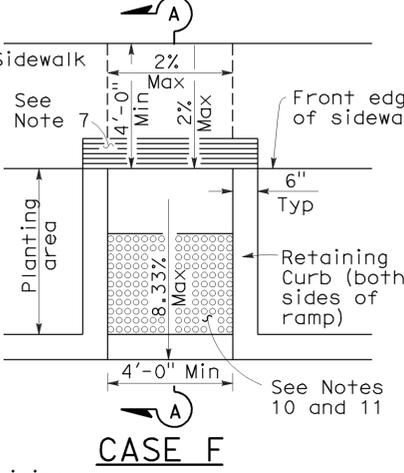
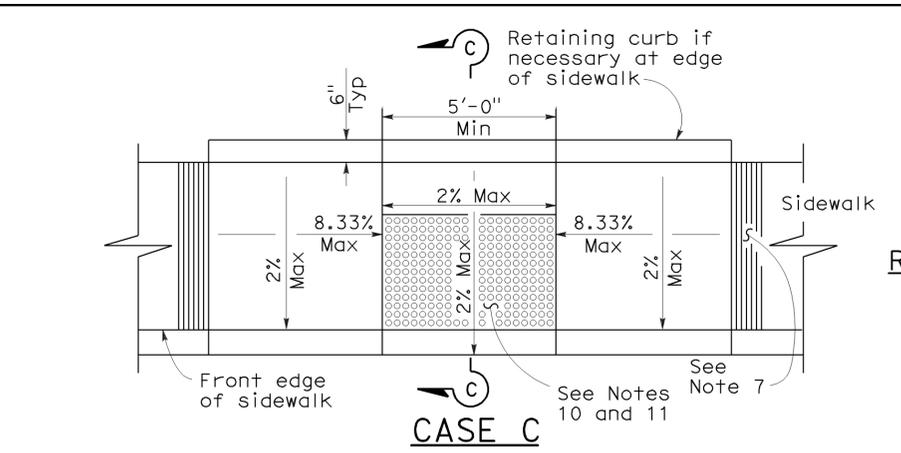
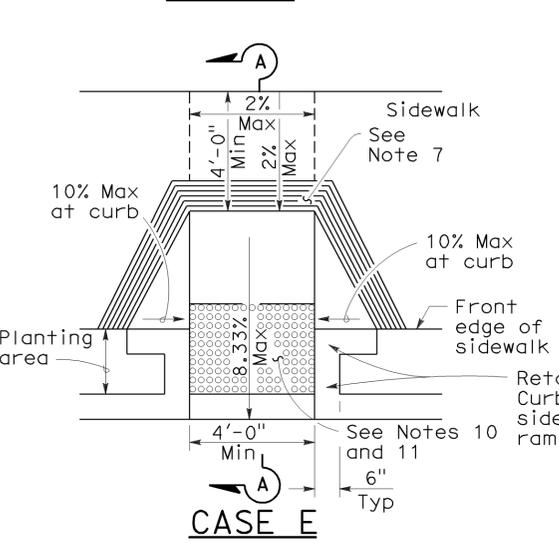
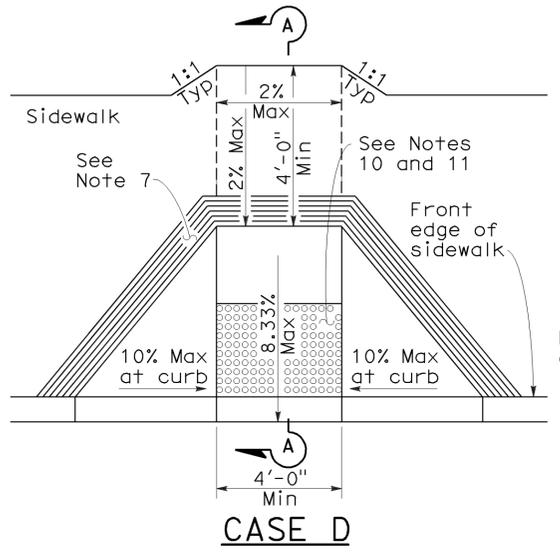
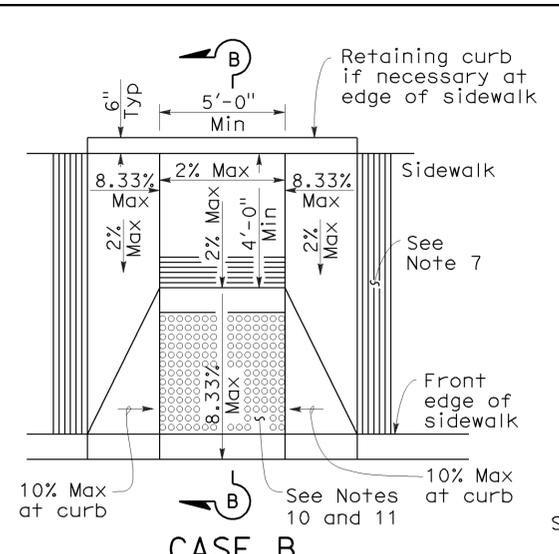
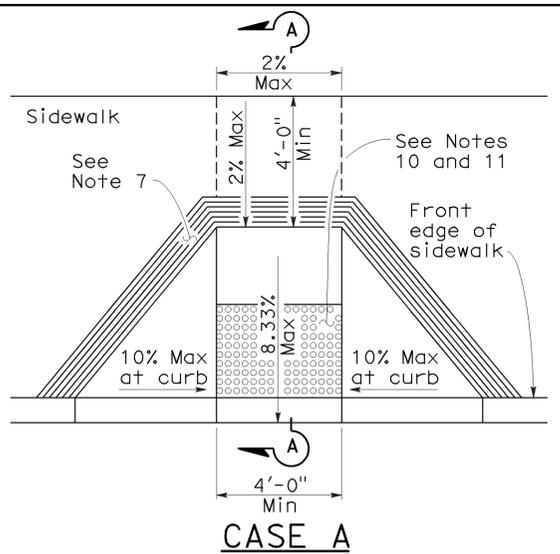
POST MILE	Temp FENCE (TYPE ESA) (LF)	DESCRIPTION
R3.51	120	PROTECT TWO ELDERBERRY BUSHES.
TOTAL	120	

NOTE: SEE SHEET C-5 FOR TEMPORARY FENCE (TYPE ESA) LOCATION.

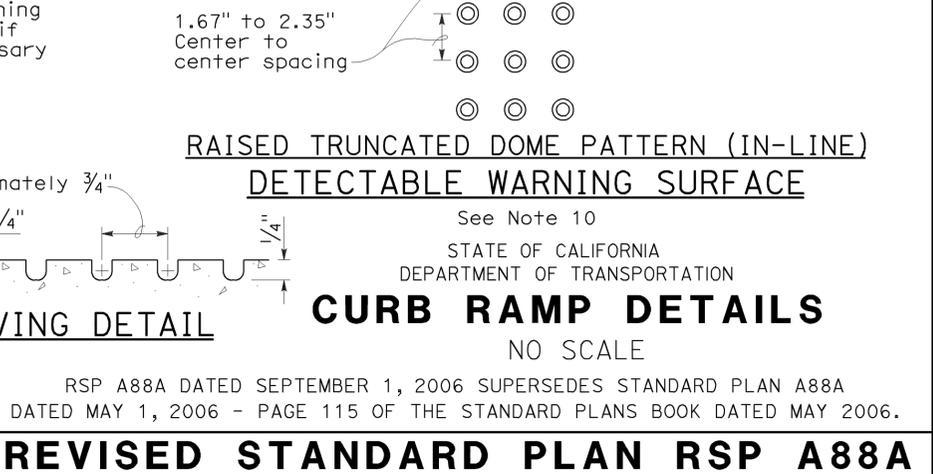
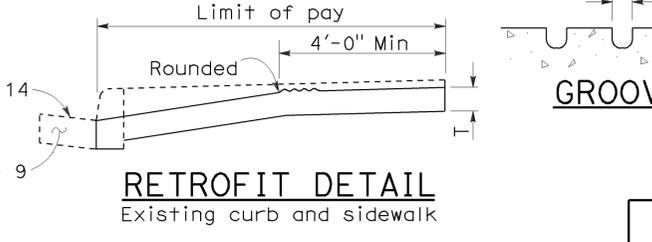
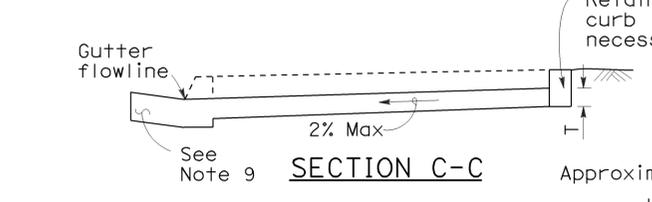
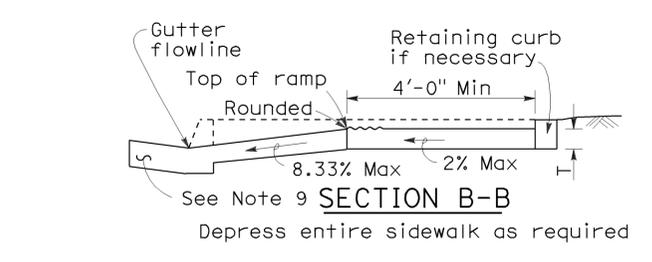
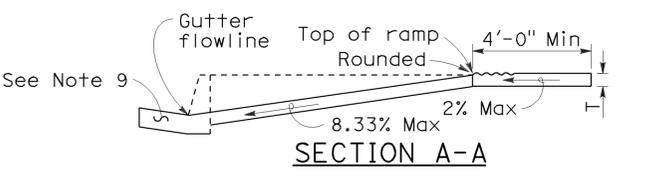
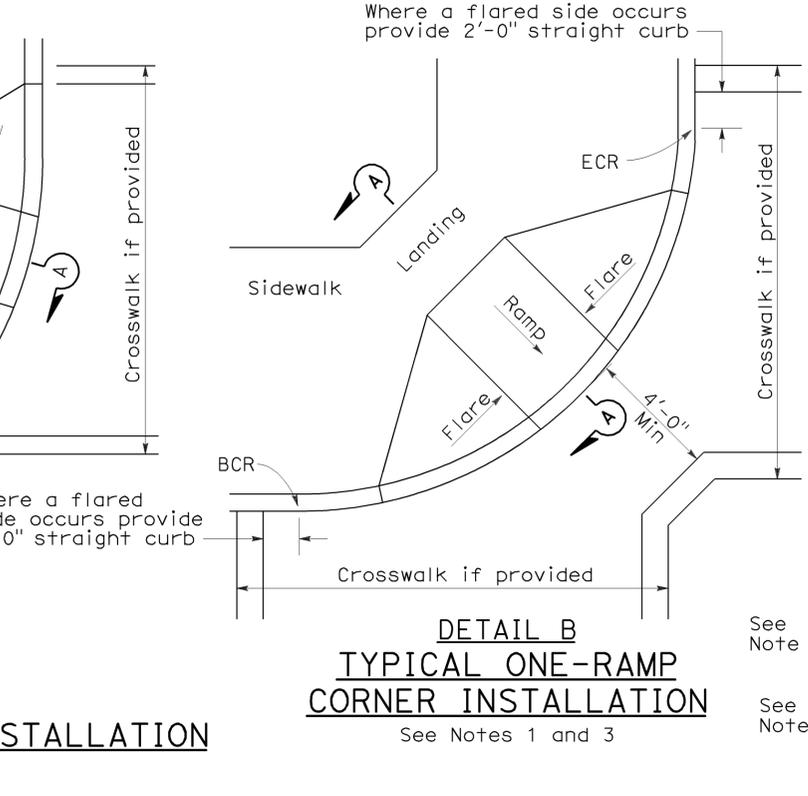
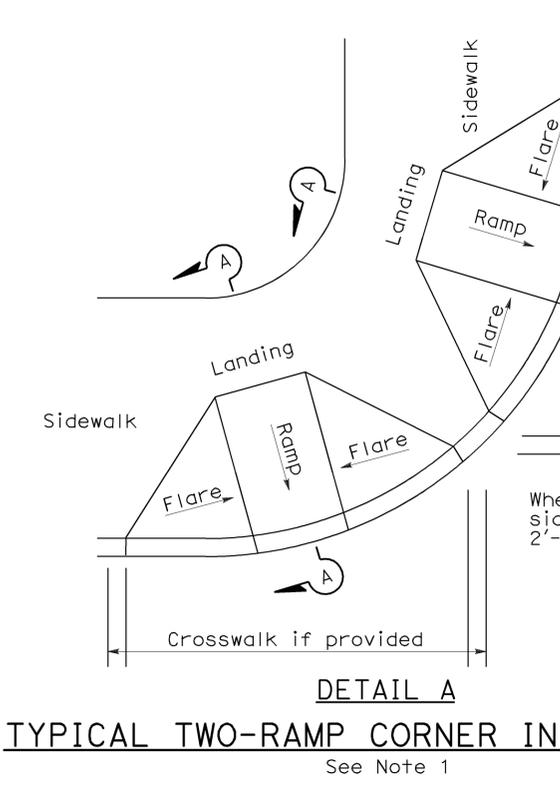
SUMMARY OF QUANTITIES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF ENGINEERING
 FERMIN BARRIGA
 FUNCTIONAL SUPERVISOR
 SALAHUDDIN CHOWDHURY
 STEVEN P. HERYFORD
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.





- NOTES:**
- 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.
 - 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.
 - When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
 - As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
 - 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".
 - 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.
 - The curb ramp shall be outlined, as shown, with a 1'-0" wide border with 1/4" grooves approximately 3/4" on center. See grooving detail.
 - Transitions from ramps and landing to walks, gutters or streets shall be flush and free of abrupt changes.
 - 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.
 - 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.
 - The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
 - Sidewalk and ramp thickness, "T", shall be 3 1/2" minimum.
 - 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.
 - For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.



2006 REVISED STANDARD PLAN RSP A88A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	21	28

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

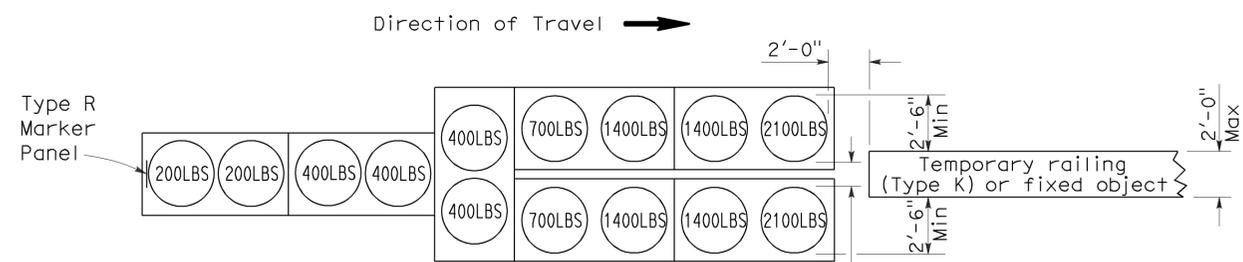
June 6, 2008
PLANS APPROVAL DATE

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

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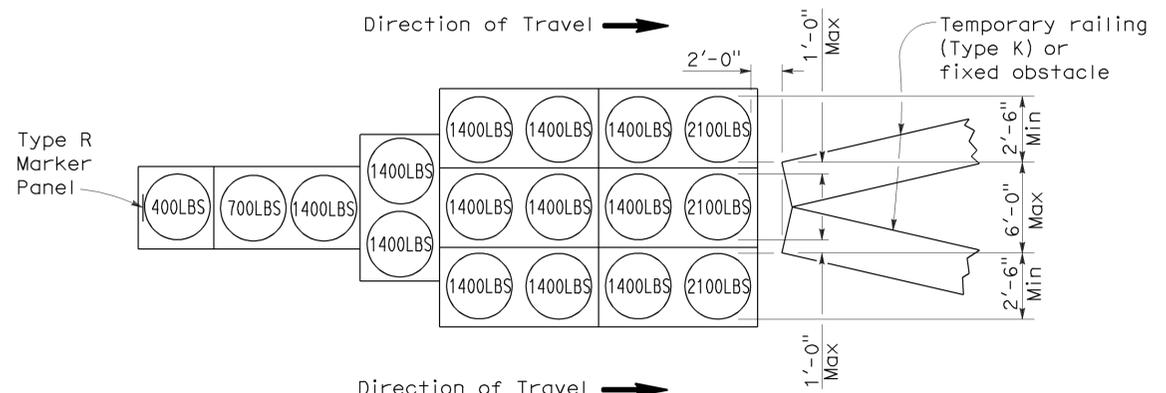
To accompany plans dated 5-9-11

2006 REVISED STANDARD PLAN RSP T1A



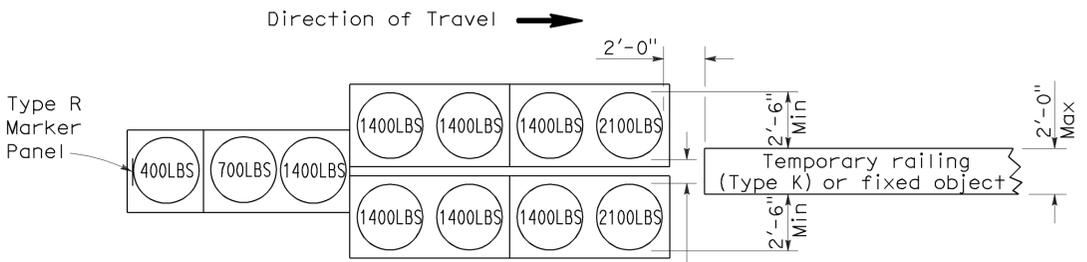
ARRAY 'TU14'

Approach speed 45 mph or more



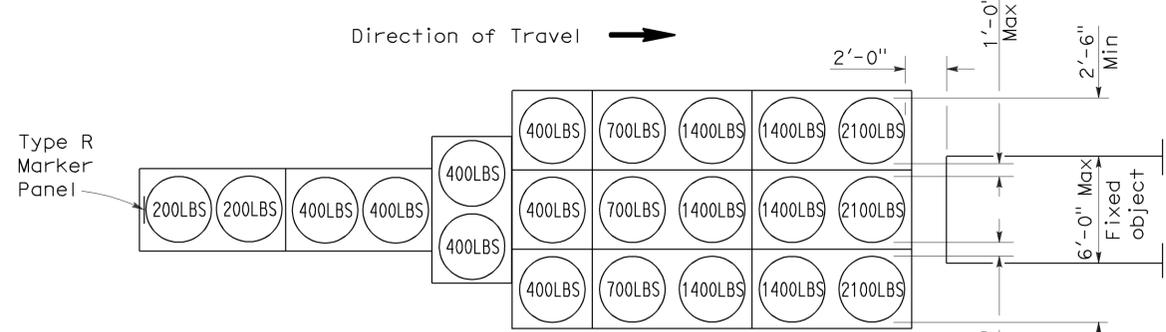
ARRAY 'TU17'

Approach speed less than 45 mph



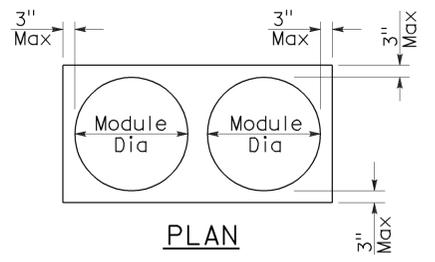
ARRAY 'TU11'

Approach speed less than 45 mph

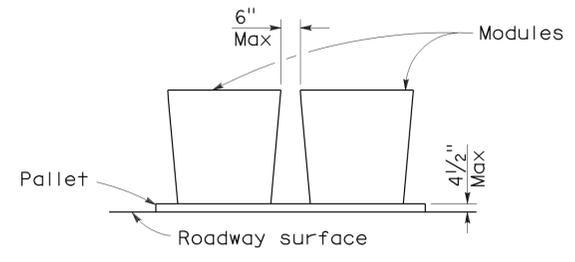


ARRAY 'TU21'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	22	28

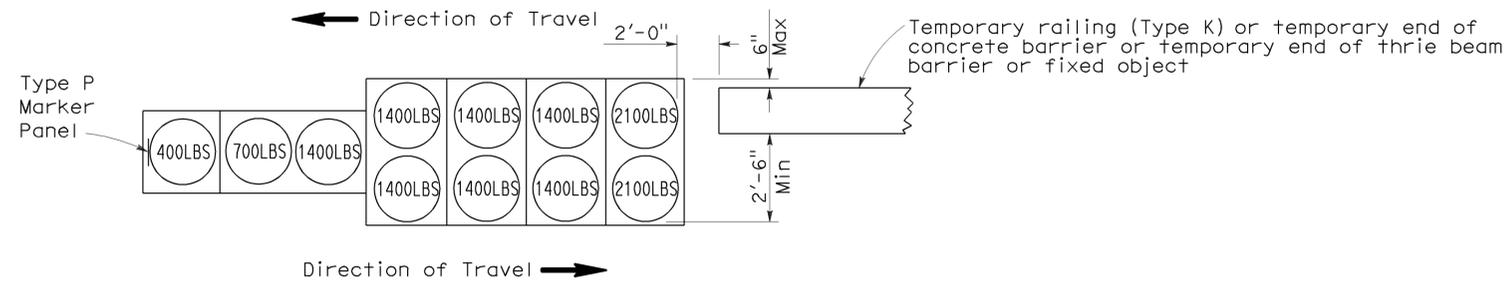
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

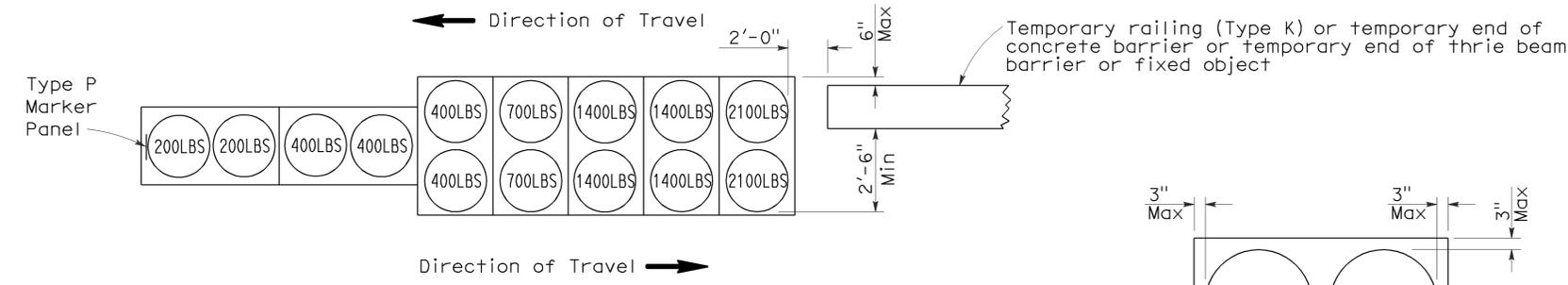
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 5-9-11



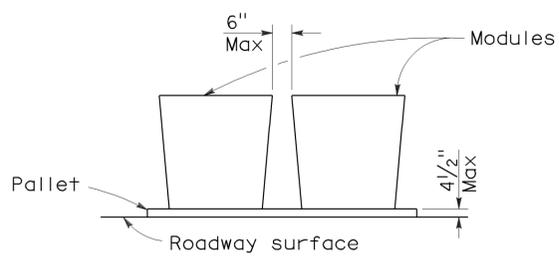
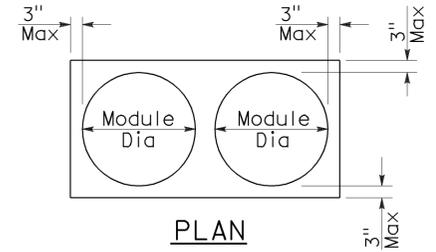
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	23	28

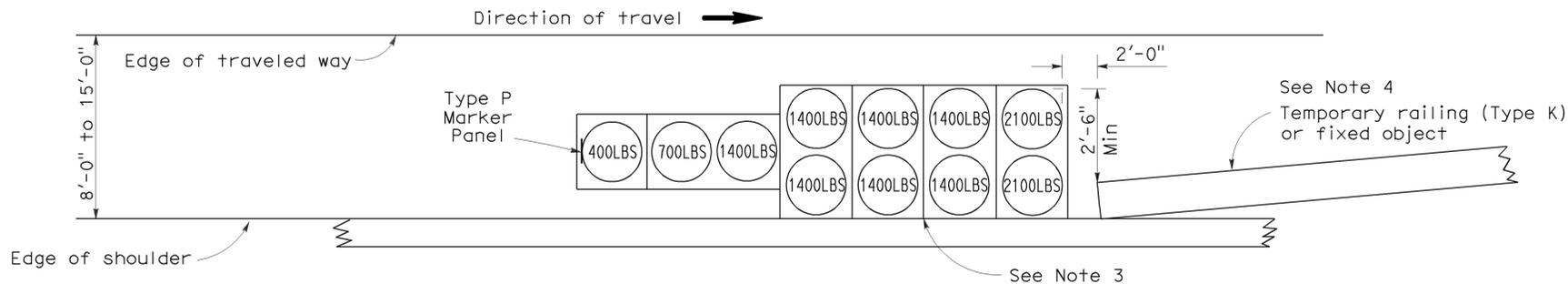
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

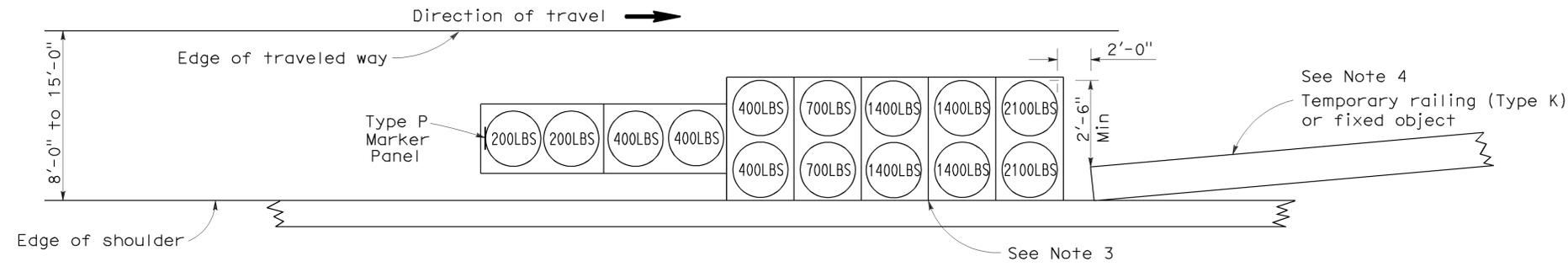
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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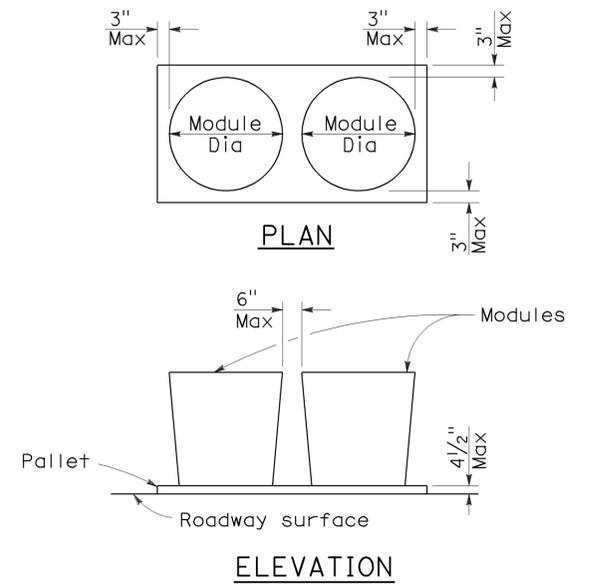
To accompany plans dated 5-9-11



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

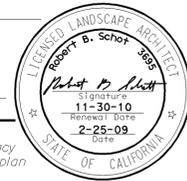
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

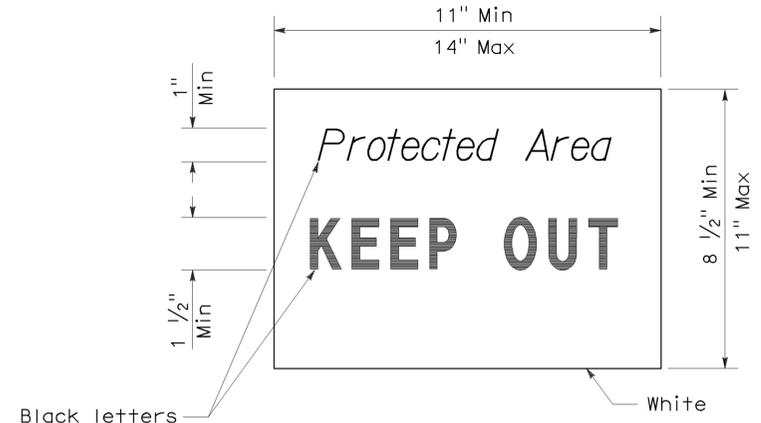
2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	24	28

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 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.



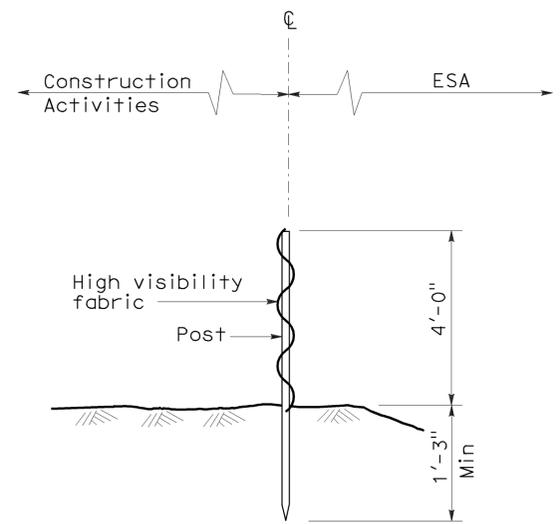
To accompany plans dated 5-9-11



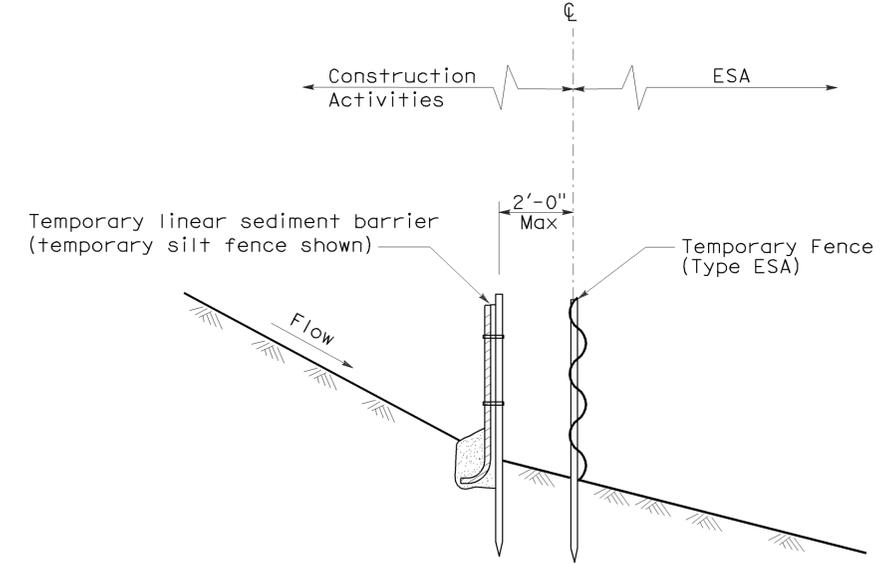
SIGN DETAIL

NOTE:

1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.

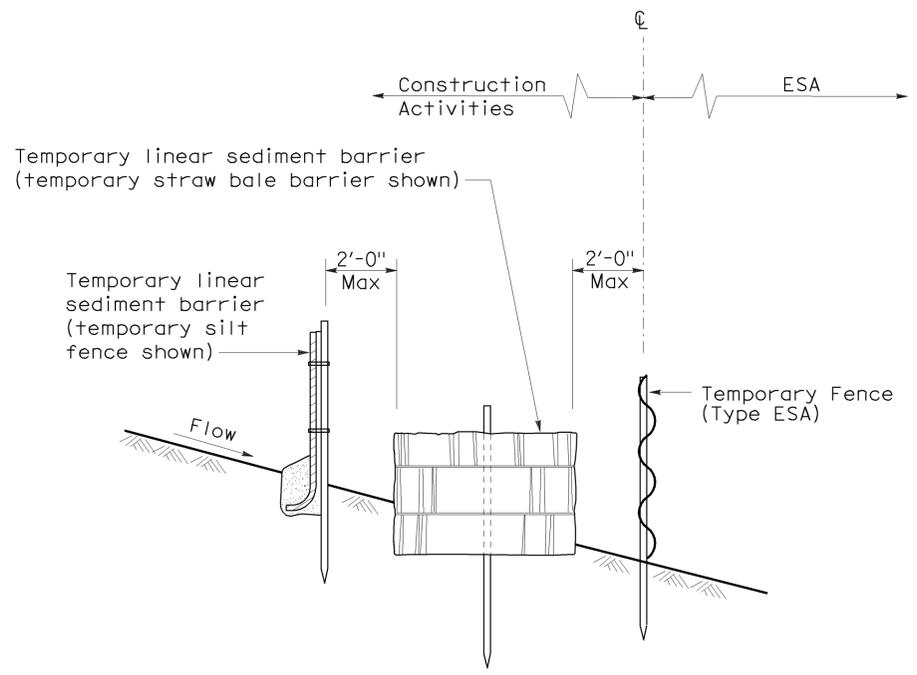


SECTION TEMPORARY FENCE (TYPE ESA)



SECTION PLACEMENT DETAIL FOR TEMPORARY LINEAR SEDIMENT BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)



SECTION PLACEMENT DETAIL FOR TEMPORARY SILT FENCE AND TEMPORARY STRAW BALE BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

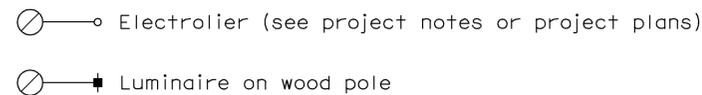
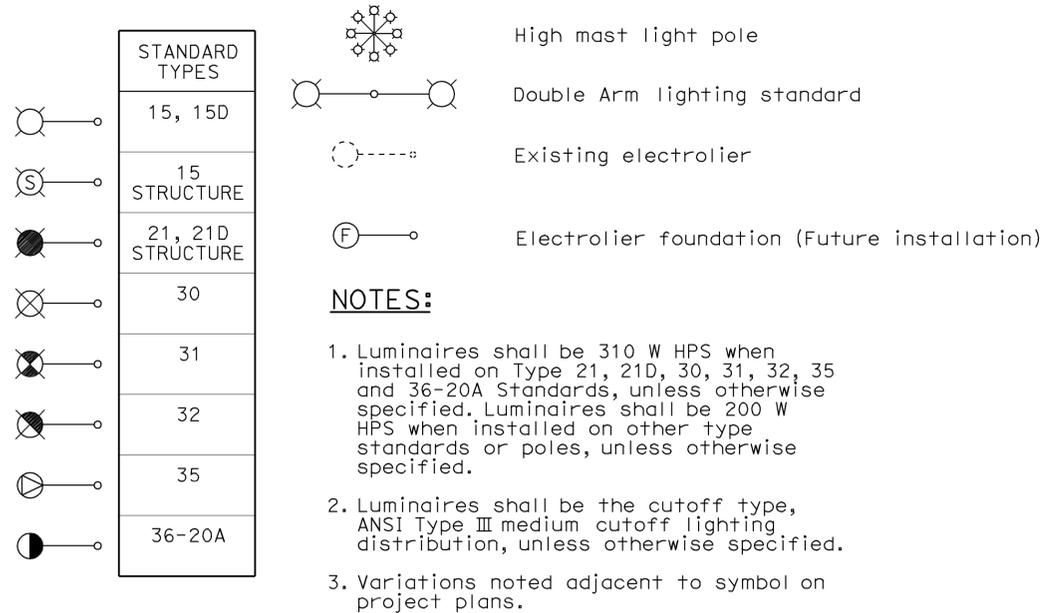
TEMPORARY WATER POLLUTION CONTROL DETAILS [TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T65

ELECTROLIERS



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, side attachment - 4 signal section
MAS-4B	mas-4B	
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	
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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	25	28

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

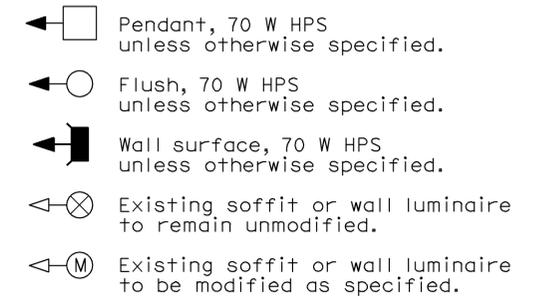
October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated 5-9-11

SOFFIT AND WALL MOUNTED LUMINAIRES



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Yub	20	R3.5/R8.0	26	28

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

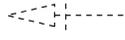
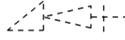
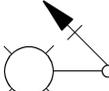
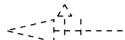
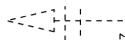
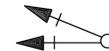
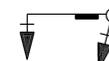
October 5, 2007
 PLANS APPROVAL DATE

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.

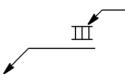
CONDUIT

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 
		Conduit riser in/on structure or service pole

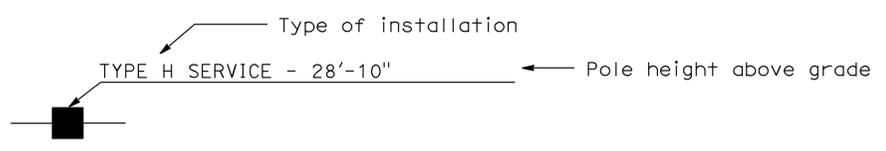
SIGNAL EQUIPMENT

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
		Modifications of basic symbols: "L" Indicates all non-arrow sections lowered "LG" Indicates lowered 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

SERVICE EQUIPMENT

PROPOSED	EXISTING	
---OH---	---oh---	Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		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 Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.
- Signal indication shall be LED.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (SYMBOLS AND ABBREVIATIONS)**
 NO SCALE

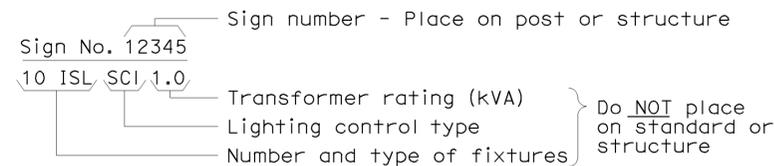
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

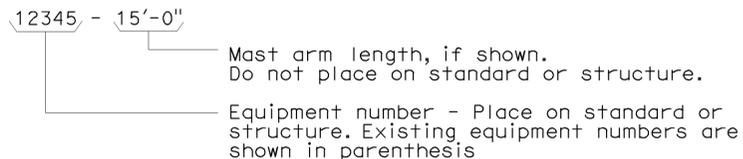
2006 REVISED STANDARD PLAN RSP ES-1B

EQUIPMENT IDENTIFICATION

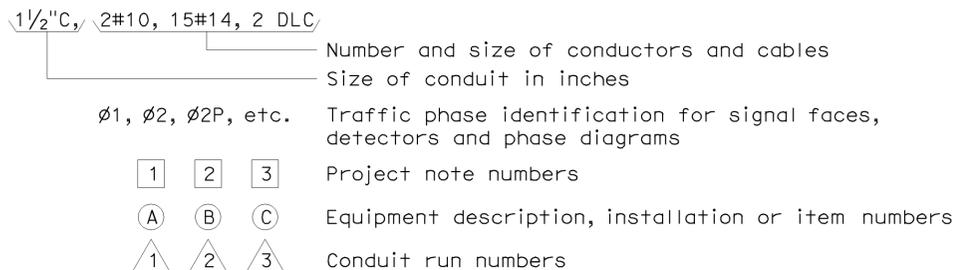
ILLUMINATED SIGN IDENTIFICATION NUMBER:



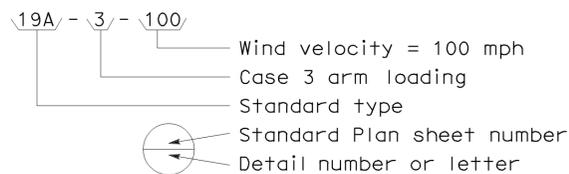
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



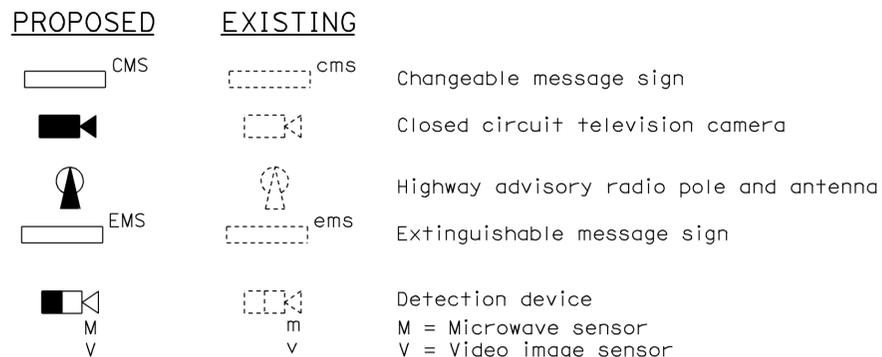
CONDUIT AND CONDUCTOR IDENTIFICATION:



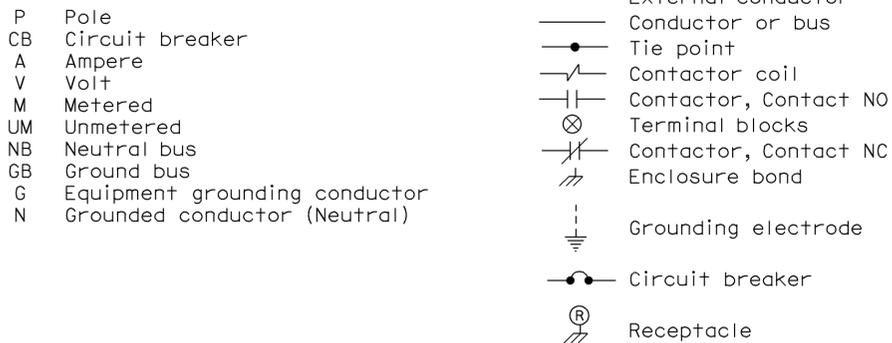
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



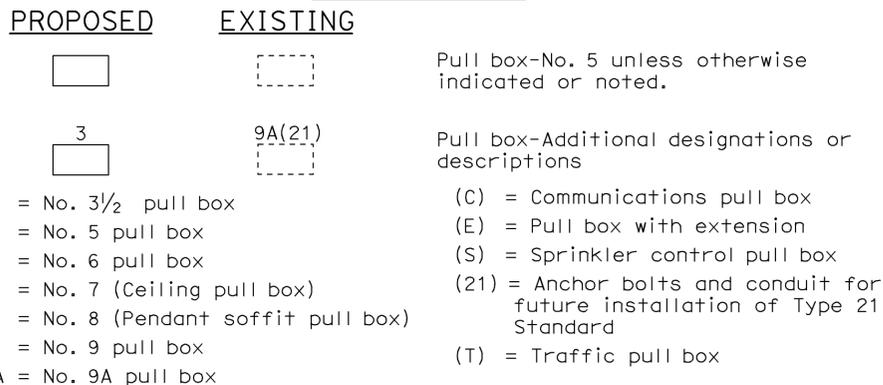
MISCELLANEOUS EQUIPMENT



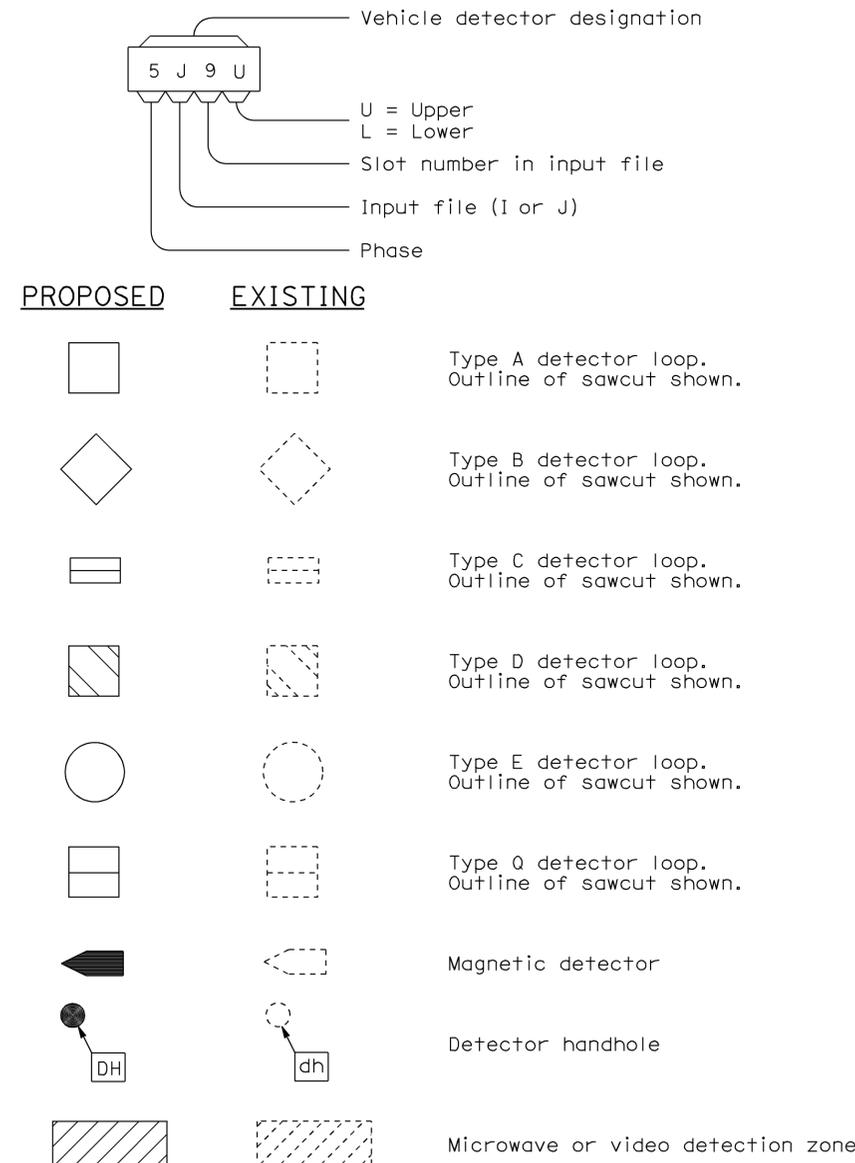
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

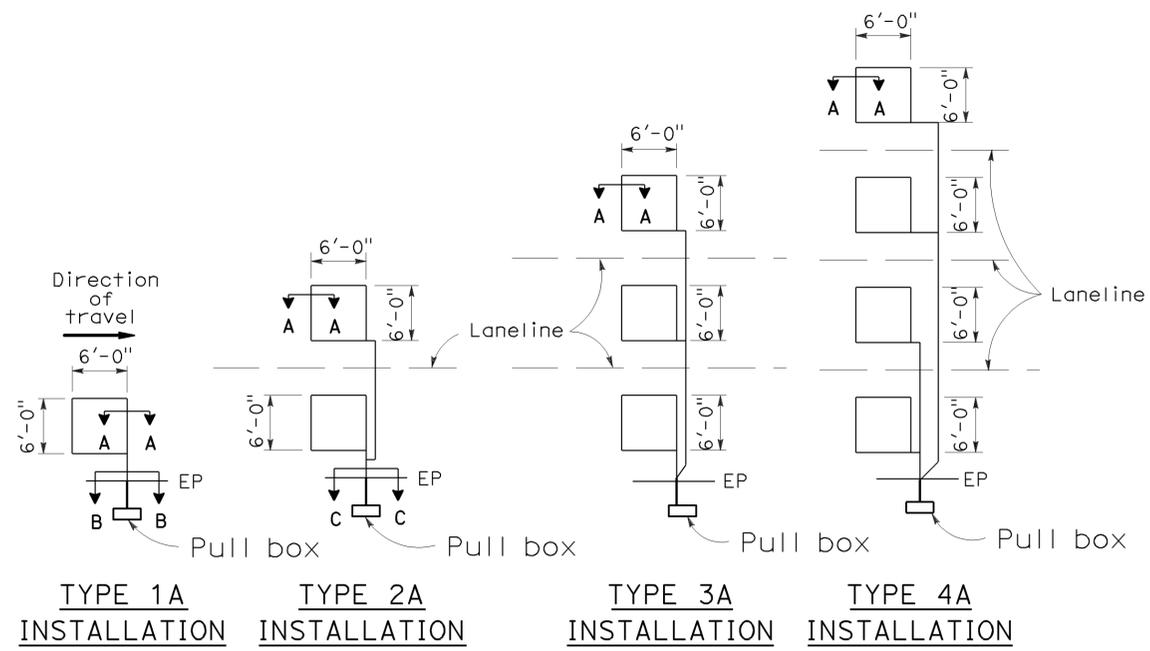
RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

LOOP INSTALLATION PROCEDURE

- Loops shall be centered in lanes.
- Saw slots in pavement for loop conductors as shown in details.
- 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.
- Bottom of saw slot shall be smooth with no sharp edges.
- Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
- Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
- 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.
- 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.
- No more than 2 twisted pairs shall be installed in one sawed slot.
- Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
- 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.
- Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
- Fill slots as shown in details.
- Splice loop conductors to lead-in-cable. Splices shall be soldered.
- 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.
- Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
- Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
- 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.

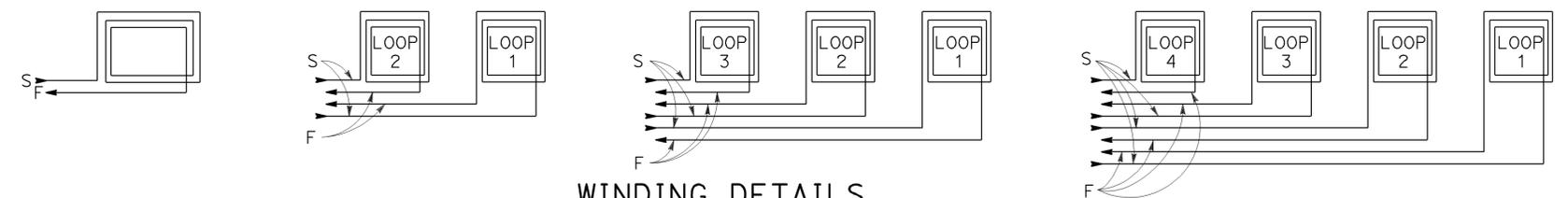


TYPE 1A INSTALLATION TYPE 2A INSTALLATION TYPE 3A INSTALLATION TYPE 4A INSTALLATION

SAWCUT DETAILS

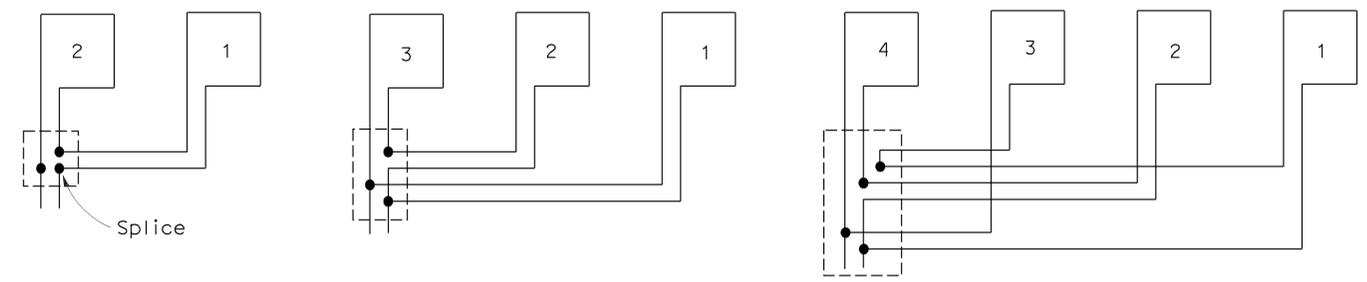
(Type A loop detector configurations illustrated)

- 1A thru 4A = 1 Type A loop configuration in each lane.
 - 1B thru 4B = 1 Type B loop configuration in each lane.
 - 1C = 1 Type C loop configuration entering lanes as required.
 - 1D thru 4D = 1 Type D loop configuration in each lane.
 - 1E thru 4E = 1 Type E loop configuration in each lane.
 - 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)



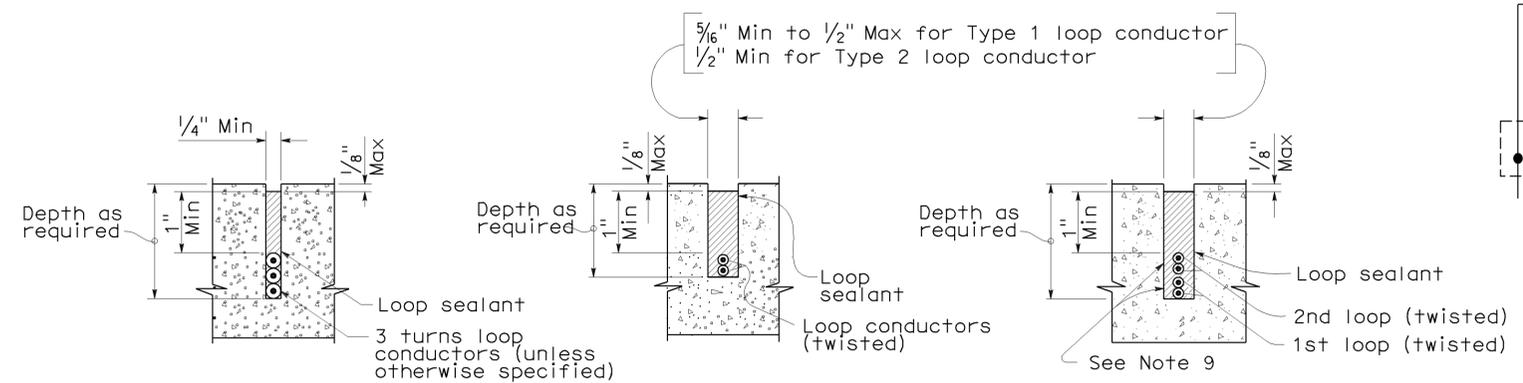
WINDING DETAILS

See Notes 6 and 7



TYPICAL LOOP CONNECTIONS

(Dashed lines represent the pull box)



SECTION A-A SECTION B-B SECTION C-C
 SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR

ELECTRICAL SYSTEMS (DETECTORS)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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.