Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	R1.6	7	65

Ike I. Maatubang 07-10-14
REGISTERED CIVIL ENGINEER DATE

07-14-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER IKE MAATUBANG No. C-55065 Exp 6/30/16 CIVIL STATE OF CALIFORNIA

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

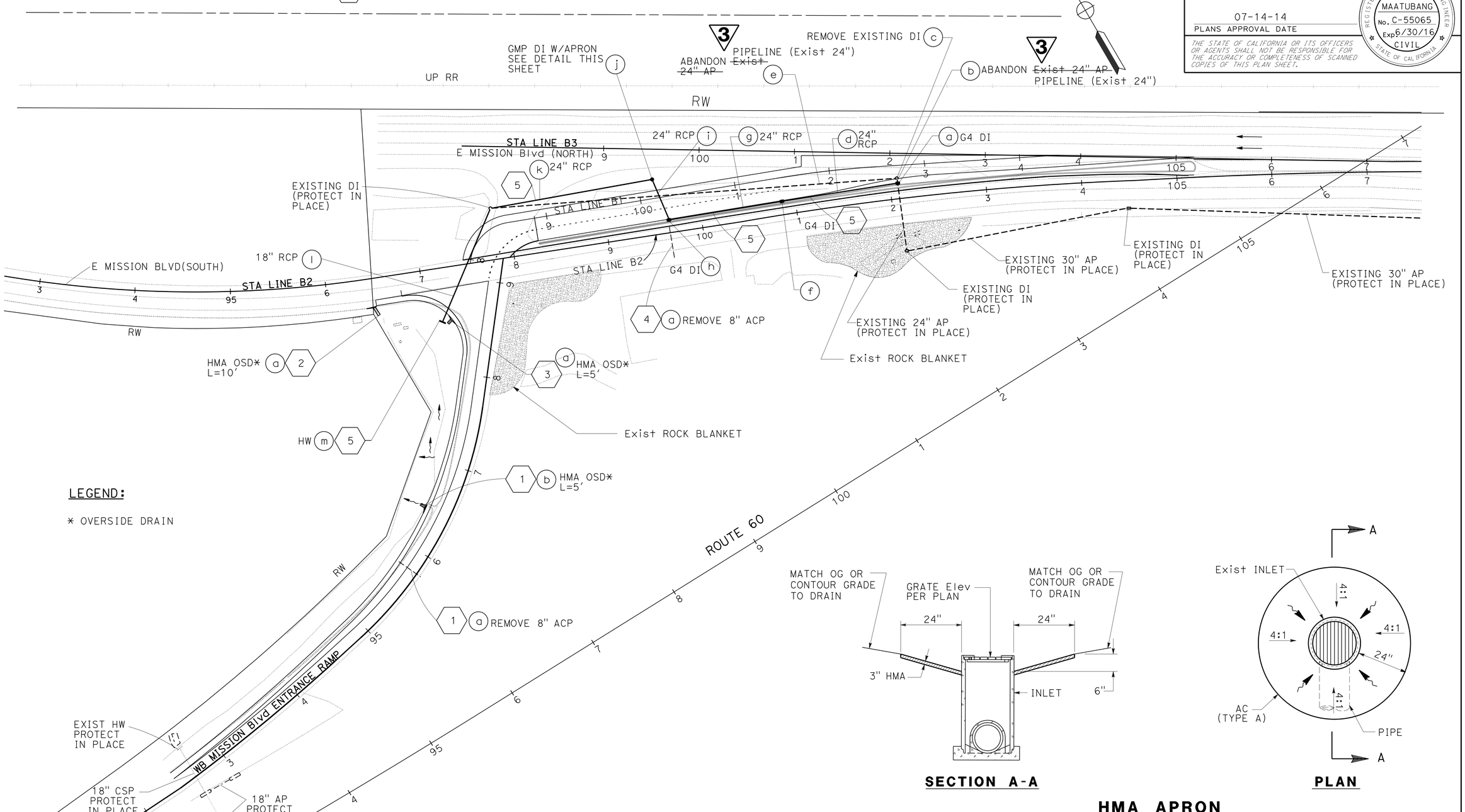
NOTE:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY MAPS AT DISTRICT OFFICE.

LEGEND:

(X) DRAINGE SYSTEM No.

⬡ X DRAINGE UNIT No.



LEGEND:

* OVERSIDE DRAIN

SECTION A-A

PLAN

HMA APRON
NO SCALE

3 REPLACED PER ADDENDUM No. 3 DATED SEPTEMBER 18, 2014

DRAINAGE PLAN

APPROVED FOR DRAINAGE WORK ONLY

SCALE 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MOHAMMAD ABDRABOH
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 07-10-14
DATE PLOTTED => 16-SEP-2014
TIME PLOTTED => 15:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	R1.6	9	65

Ike I. Maatubang 07-10-14
REGISTERED CIVIL ENGINEER DATE

07-14-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER IKE MAATUBANG No. C-55065 Exp. 6/30/16 CIVIL STATE OF CALIFORNIA

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ABBREVIATION:

ACP - ASBESTOS CEMENT PIPE

DRAINAGE QUANTITIES

DRAINAGE SYSTEM No ⬡	DRAINAGE UNIT ○	DRAINAGE PLAN SHEET No	DESCRIPTION	STATION	REMOVAL/ABANDON: REMOVE PIPE (N)	REMOVAL/ABANDON: REMOVE INLET	REMOVAL/ABANDON: ABANDON ~~PIPE LINE~~ PIPELINE	HOT MIXED ASPHALT (TYPE A)	PLACE HMA (Misc AREA)	HEIGHT OF INLET (N)	24-12X GRATE (N)	36R GRATE (N)	MISCELLANEOUS IRON AND STEEL	MINOR CONCRETE (MINOR STRUCTURE)	18" RCP	24" RCP	36" CSP (0.064" THICK)	SAND BACKFILL
					LF	EA	EA ~~LF~~	TON	SQ YD	LF	EA	EA	lb	CY	LF	LF	LF	CY
1	a	1	8" ACP		27.8													
	b		HMA OSD*, L=5′	27.00′ LT "A1"96+45.7				0.26	1.53									
2	a	1	HMA OSD*, L=10′	29.66′ RT "B2"96+47.05				0.52	3.06									
3	a	1	HMA OSD*, L=5′	44.26′ LT "A1"98+55.48				0.26	1.53									
4	a	1	8" ACP		32.6													
5	a	1	G4 DI	19.98′ RT "B1" 102+70.66						4.2	1		239	1.58				
	b		24" AP				~~5.0~~ 1											0.6
	c		REMOVE DI			1												
	d		24" RCP													119.0		
	e		ABANDON 24" AP				~~424.1~~ 1											49.3
	f		G4 DI	26.10′ RT "B1" 101+45.93						4.5	1		239	1.65				
	g		24" RCP													116.1		
	h		G4 DI	26.00′ RT "B1" 100+25.89						4.7	1		239	1.70				
	i		24" RCP													43.2		
	j		GMP DI W/APRON	20.00′ LT "B1" 100+15.41				0.39	3.50	4.0		1	215	0.23			3.0	
	k		24" RCP													169.1		
	l		18" RCP												129.2			
	m		HW	53.91′ LT "A1"98+51.05										0.91				
				TOTAL		1	~~429.1~~ 2	1.43 *	9.62				932	6.07	129.2	447.4	3.0	49.9

3

* FOR GRAND TOTAL SEE Q-1

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

3 **REPLACED PER ADDENDUM No. 3 DATED SEPTEMBER 18, 2014**

DRAINAGE QUANTITIES

DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MOHAMMAD ABDRABOH
CHECKED BY: MARK PERTILE
REVISED BY / DATE REVISED

LAST REVISION 07-10-14 | DATE PLOTTED => 16-SEP-2014 | TIME PLOTTED => 15:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60	R1.6	22	65

Ike I. Maatubang 07-10-14
REGISTERED CIVIL ENGINEER DATE

07-14-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER IKE MAATUBANG No. C-55065 Exp. 6/30/16 CIVIL STATE OF CALIFORNIA

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3

LEGEND :

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION USE ONLY
LTL - LEFT TURN LANE

NOTE:

1 REPLACE AC PAVEMENT ON E. MISSION Blvd (SOUTH) AND WB ENTRANCE RAMP ~~REMOVED FROM TRENCHING SEE DRAINAGE PLAN D-1;~~
HMA (TYPE ~~C~~ A) T=1.0'; AGGREGATE BASE T=0.50'

ROADWAY QUANTITIES

DIRECTION WB	DIRECTION EB	LOCATION	ROADWAY EXCAVATION	EMBANKMENT (N)	RUBBERIZED HMA (GAP-GRADED)	CLASS 2 AGGREGATE BASE	PLACE HMA DIKE (TYPE E)	HOT MIXED ASPHALT (TYPE A)	TACK COAT	LIQUID ASPHALT (PRIME COAT)	REMOVE CONCRETE BARRIER (TYPE K)	MINOR CONCRETE (CURB)	MINOR CONCRETE (MISCELLANEOUS CONST)	OBLITERATE SURFACING
WB	EB		CY	CY	TON	CY	LF	TON	TON	TON	FT	CY	CY	SQYD
	X	STA 92+43.6 TO STA 98+93.7 W/B ENTRANCE RAMP	10	130	74	188		844	3	3				
X		STA 99+09.7 TO STA 106+46.6 LTL ACCESS ROAD	800	130	137	350		1642	5	5	692			
	X	STA 92+43.6 TO STA 98+70 W/B ENTRANCE RAMP DIKE (TYPE E)					634	19.5						
	X	STA 98+98 TO STA 105+83 MISSION BLVD 3'SHOULDER			15	38		179	0.2	0.2				
X		STA 99+70.6 TO STA 106+46.6 CURB (TYPE B1-4)										55		
X		STA 102+79.58 TO STA 103+87.13 CURB (TYPE B2-4)										7		
X		STA 99+70.6 TO STA 106+46.6 CURB ISLAND CAP - 3"											24	
X		STA 97+80.0 TO STA 101+50.0 Exist ACCESS ROAD												1250
	X	STA ~~7+50~~ 97+50 "B2 LINE" SEE NOTE ~~1~~				4		14						
		FROM DRAINAGE QUANTITY SHEET, DQ-1						1.43						
	X	STA 99+60 "B2 LINE" SEE NOTE				2		8						
X		STA 95+80 "A1 LINE" SEE NOTE				1		3						
GRAND TOTAL			810		226	~~580~~ 583	634	~~2699.93~~ 2710.93	8.2	8.2	692	62	24	1250

TEMPORAY WATER POLLUTION CONTROL QUANTITIES

DESCRIPTION	QUANTITY	UNIT
STORM WATER ANNUAL REPORT	1	EA
TEMPORARY DRAINAGE INLET PROTECTION	6	EA
TEMPORARY GRAVEL BAG BERM	800	LF
TEMPORARY SILT FENCE	800	LF

3 **REPLACED PER ADDENDUM No. 3 DATED SEPTEMBER 18, 2014**

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR MARK PERTILE
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