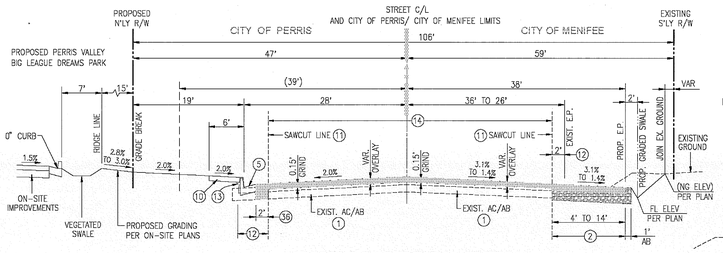
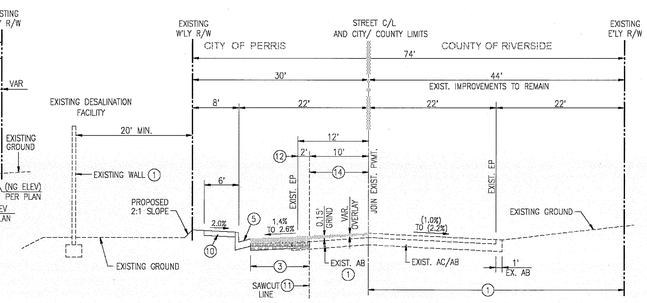


MAPES ROAD TYPICAL SECTION

STA 10+72.00 TO STA 11+80.00

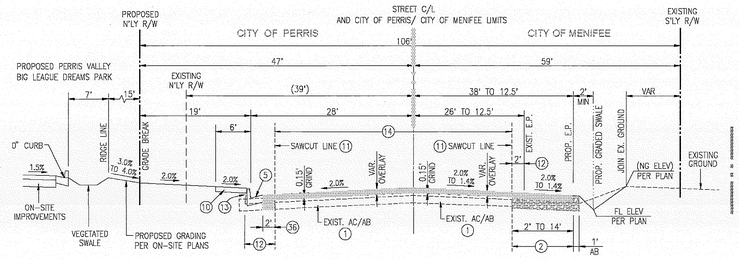
NO SCALE



SHERMAN ROAD TYPICAL SECTION

STA 10+75.00 TO STA 13+30.73

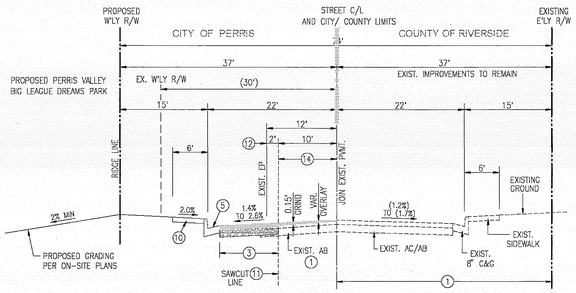
NO SCALE



MAPES ROAD TYPICAL SECTION

STA 11+80.00 TO STA 13+60.00

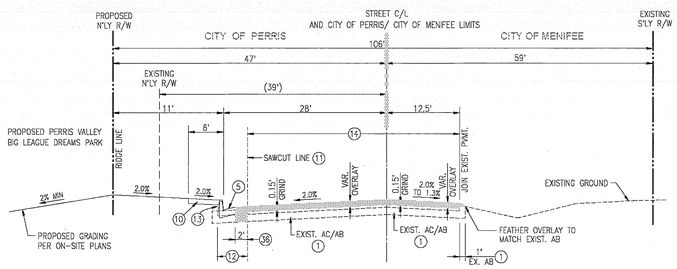
NO SCALE



SHERMAN ROAD TYPICAL SECTION

STA 13+30.73 TO STA 16+51.41

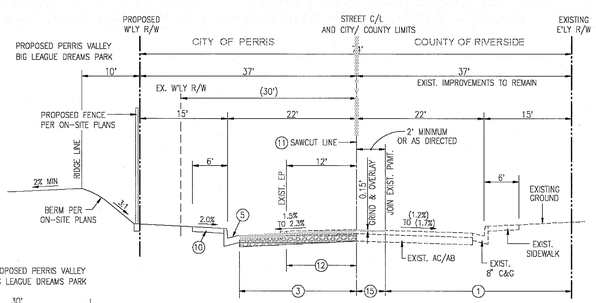
NO SCALE



MAPES ROAD TYPICAL SECTION

STA 13+60.00 TO STA 20+90.00

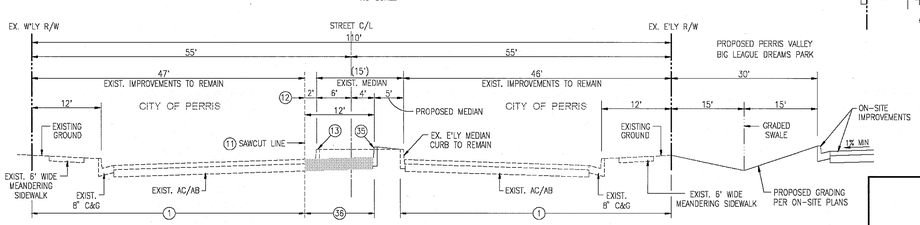
NO SCALE



SHERMAN ROAD TYPICAL SECTION

STA 16+51.41 TO STA 26+58.60

NO SCALE



TRUMBLE ROAD TYPICAL SECTION

STA 18+95.00 TO STA 20+75.00

NO SCALE

CONSTRUCTION NOTES & QUANTITY ESTIMATES

	NO.	DESCRIPTION		TOTAL QUANTITY	UNIT	CITY OF PERRIS	CITY OF MENIFEE	COUNTY OF RIVERSIDE
		STREET						
	1	PROTECT EXISTING ITEM IN PLACE		–	–	–	–	–
*	2	CONSTRUCT 5.5" A.C. OVER 12" A.B. CLASS 2 (IN MAPES ROAD & TRUMBLE ROAD)	212 TNS AC 462 TNS AB/ 238 CY AB	6,407	SF	3,216	2,979	212
*	3	CONSTRUCT 4" A.C. OVER 10" A.B. CLASS 2 (IN SHERMAN ROAD)	636 TNS AC 1,590 TNS AB/ 962 CY AB	26,494	SF	26,264	–	230
	4	CONSTRUCT CURB OUTLET STRUCTURE PER RIVERSIDE COUNTY STD. NO. 308 INCLUDING 10' LONG CURB TRANSITIONS PER RIVERSIDE COUNTY STD. NO. 303		3	EA	3	–	–
	5	CONSTRUCT TYPE "A-8" CURB & GUTTER PER RIVERSIDE COUNTY STD. NO. 201		2,682	LF	2,682	–	–
	6	CONSTRUCT TYPE "D" CURB PER RIVERSIDE COUNTY STD. NO. 204, MONOLITHIC WITH CROSS GUTTER		194	LF	194	–	–
	7	CONSTRUCT CROSS GUTTER AND SPANDREL PER RIVERSIDE COUNTY STD. NO. 209 AND 209A		2,190	SF	1,984	–	206
	8	CONSTRUCT CURB RAMP "CASE A" PER RIVERSIDE CO. STD. NO. 403		5	EA	5	–	–
	8A	CONSTRUCT CONCRETE DRIVEWAY INCLUDING CURB RAMPS PER DETAIL #9A ON SHEET 4.		553	SF	553	–	–
	8B	CONSTRUCT CONCRETE DRIVEWAY PER RIVERSIDE COUNTY STD. NO. 207A AND PER DETAIL #9B ON SHEET 6.		627	SF	627	–	–
	10	CONSTRUCT CONCRETE SIDEWALK (4" THICK) PER RIVERSIDE COUNTY STD. NO. 400 AND 401		17,843	SF	17,843	–	–
	11	SAWCUT EXISTING A.C. PAVEMENT		3,756	LF	3,412	344	–
	12	REMOVE EXISTING A.C. PAVEMENT	2,383 S.Y.	21,450	SF	20,205	802	443
	13	REMOVE EXISTING 8" A.C. DIKE		1,200	LF	1,200	–	–
	14	GRIND 0.15' AND CONSTRUCT VARIABLE THICKNESS A.C. OVERLAY (0.15' MIN)		54,800	SF	35,332	18,237	1,231
	15	GRIND 0.15' AND CONSTRUCT 0.15' A.C. OVERLAY		2,290	SF	–	276	2,014
	16	SAWCUT AND REMOVE EXISTING CROSS GUTTER		390	SF	187	–	203
	17	ADJUST EXISTING WATER VALVE TO FINISHED GRADE. INSPECTION BY EMWD REQUIRED.		13	EA	9	3	–
	18	ADJUST EXISTING ELEC. PULL BOX TO FINISHED GRADE		2	EA	2	–	–
	19	EXISTING POWER POLE INCL. GUY WIRE AND/OR OVERHANG WIRE TO BE RELOCATED BY OTHERS.		2	EA	2	–	–
	20	EXISTING BLOW-OFF TO BE RELOCATED PER EMWD STD. B-357 BY EMWD AT DEVELOPER'S EXPENSE.		2	EA	2	–	–
	21	EXISTING AV & AR TO BE RELOCATED BEHIND PROPOSED SIDEWALK PER EMWD STD. B-598 BY EMWD AT DEVELOPER'S EXPENSE.		2	EA	2	–	–
	22	REMOVE/ RELOCATE EXISTING TREES, LANDSCAPE, AND IRRIGATION LINES WITHIN MEDIAN RECONSTRUCTION LIMITS		2,147	SF	2,147	–	–
	23	EXISTING TELEMETRY PULL BOX TO BE RELOCATED BEHIND PROPOSED SIDEWALK PER EMWD STD. B-533 BY EMWD AT DEVELOPER'S EXPENSE.		1	EA	1	–	–
	24	REMOVE AND REPLACE EXISTING MEANDERING SIDEWALK (CONCRETE THICKNESS, WIDTH AND FINISH TO MATCH EXISTING).		378	SF	378	–	–
	25	RELOCATE EXISTING IRRIGATION WATER STAND PIPE/ TANK PER SEPARATE RECYCLED WATER PLAN		1	EA	1	–	–
	26	REMOVE EXISTING BOLLARD		1	EA	1	–	–
	27	RELOCATE EXISTING CABLE TV PULL BOX		1	EA	1	–	–
	28	ADJUST EXISTING EDISON VAULT TO FINISHED GRADE (BY OTHERS)		1	EA	1	–	–
	29	ADJUST EXISTING TELEPHONE PEDESTAL TO FINISHED GRADE		1	EA	1	–	–
	30	ADJUST EXISTING TELEPHONE MANHOLE TO FINISHED GRADE		3	EA	3	–	–
	31	ADJUST EXISTING SEWER MANHOLE TO FINISHED GRADE. INSPECTION BY EMWD REQUIRED.		4	EA	3	–	1
	32	REMOVE EXISTING CURB/ CURB & GUTTER		536	LF	536	–	–
	33	REMOVE EXISTING SIDEWALK		912	SF	912	–	–
	34	REMOVE EXISTING MEDIAN CONCRETE PAVEMENT		270	SF	270	–	–
	35	CONSTRUCT TYPE "D" MEDIAN CURB PER RIVERSIDE COUNTY STD. NO. 204 (C.F. TO MATCH EXISTING CURB)		280	LF	280	–	–
	36	CONSTRUCT FULL DEPTH A.C. PAVEMENT TO MATCH EXISTING STREET SECTION		2,836	SF	2,836	–	–
		STORM DRAIN						
	40	REMOVE EXISTING HEADWALL, RIP-RAP, AND INTERFERING PORTION OF EXISTING RCP PIPE.		2	EA	2	–	–
	41	CONSTRUCT MANHOLE NO. 4 PER RCFC & WCD STD. DWG MH254 AND PER DETAIL #41 ON SHEET 9.		1	EA	1	–	–
	41A	CONSTRUCT MANHOLE NO. 4 (W/O MH SHAFT) PER RCFC & WCD STD. DWG MH254 AND PER DETAIL #41A ON SHEET 9.		1	EA	1	–	–
	42	CONSTRUCT MANHOLE NO. 2 PER RCFC & WCD STD. DWG MH252 AND PER DETAIL #42 ON SHEET 9.		1	EA	1	–	–
	43	CONSTRUCT CONCRETE COLLAR PER RCFC & WCD STD. DWG MB03 AND JOIN EXISTING RCP.		3	EA	3	–	–
	44	CONSTRUCT 18" RCP CLASS IV		25	LF	25	–	–
	45	CONSTRUCT 21" RCP CLASS IV		42	LF	42	–	–
	46	CONSTRUCT 36" RCP CLASS IV		1,225	LF	1,225	–	–
	47	CONSTRUCT HEADWALL PER CALTRANS STD. PLAN D90 W/ WINGWALLS TYPE "A" (MODIFIED PER DETAIL #47 ON SHEET 10)		1	EA	1	–	–
	48	CONSTRUCT 1/4 TON ROCK GROUTED RIP-RAP 3.5' THICK.		48	CY	48	–	–
	49	CONSTRUCT CATCH BASIN (W=4') PER RIVERSIDE COUNTY STD. NO. 300 AND LOCAL DEPRESSION (CASE B) PER RIVERSIDE COUNTY STD. NO. 311, SEE DETAIL #49 ON SHEET 9.		1	EA	1	–	–
		SIGNING AND STRIPING						
	E	EXISTING TO REMAIN UNLESS OTHERWISE NOTED		–	–	–	–	–
	R	RESTRIPE EXISTING LINE AS NOTED ON PLAN		795	LF	448	347	–
	50	APPLY THERMOPLASTIC 12" SOLID WHITE CROSSWALK LINE		136	LF	57	20	59
	51	PAINT 4" WHITE SOLID STRIPE		150	LF	50	100	–
	52	PAINT 4" DOUBLE YELLOW STRIPE WITH RAISED PAVEMENT MARKERS PER DETAIL 22 OF CALTRANS STANDARD PLAN A30A		2,725	LF	2,342	383	–
	53	PAINT 4" WHITE DASHED STRIPE WITH RAISED PAVEMENT MARKERS PER DETAIL 9 OF CALTRANS STANDARD PLAN A20A		1,108	LF	1,035	73	–
	54	PAINT 8" SOLID WHITE STRIPE WITH RAISED PAVEMENT MARKERS PER DETAIL 38 OF CALTRANS STANDARD PLAN A20D		420	LF	420	–	–
	55	PAINT PAVEMENT MARKINGS AS SHOWN, PER CALTRANS STANDARD PLAN A24A		13	EA	7	6	–
	56	APPLY THERMOPLASTIC "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D		7	EA	3	4	–
	57	INSTALL TRAFFIC SIGN AS NOTED ON PLAN		4	EA	1	2	1
	58	RELOCATE EXISTING TRAFFIC SIGN AS NOTED ON PLAN		3	EA	2	1	–
	59	RELOCATE EXISTING INFORMATION SIGN		1	EA	1	–	–
	60	REMOVE CONFLICTING STRIPING		495	LF	190	305	–
	61	INSTALL TYPE "F" WHITE REFLECTOR POST		4	EA	2	–	2

NOTES

THE QUANTITIES SHOWN HEREON ARE THE ENGINEER'S ESTIMATES AND FOR PERMIT PURPOSES ONLY. CONTRACTOR SHALL PROVIDE INDEPENDENT ESTIMATE FOR BIDDING AND CONTRACT PURPOSES.

* STREET SECTIONS SHOWN ARE MINIMUM PROPOSED. PAVEMENT SECTIONS ARE TO BE VERIFIED BY R-VALUE TEST ALONG W/ SOILS ENGINEER'S RECOMMENDATIONS.

COUNTY PERMIT NOTE

APPROVAL BY THE COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT IS FOR THE AREA WITHIN COUNTY ROAD R/W ONLY

CITY OF MENIFEE

APPROVED BY:

CITY ENGINEER DATE

DIGALERT

DIAL TOLL FREE 1-800-227-2600

AT LEAST TWO DAYS BEFORE YOU DIG

DATE	BY	MARK	REVISIONS	APPR.	DATE
			ENGINEER	CITY	

SEAL – COUNTY

REGISTERED PROFESSIONAL ENGINEER ALAN D. FRENCH No. CE 45702 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

TRANSPORTATION DEPARTMENT

APPROVED BY:

ALAN D. FRENCH, PE DATE

RECOMMENDED DATE

CITY OF PERRIS

(CITY RIGHT-OF-WAY ONLY)

APPROVED BY:

CITY ENGINEER DATE

SEAL – ENGINEER

REGISTERED PROFESSIONAL ENGINEER DAVID LEE BACON No. 40496 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:

WALDEN & ASSOCIATES — CIVIL ENGINEERS, LAND SURVEYORS, PLANNERS

2552 WHITE ROAD, SUITE B, IRVINE, CA 92614 (949) 660-0110 FAX: 660-0410

DAVID L. BACON P.E. 40496 DATE

BENCHMARK ELEV. 1412.409 FT.

RIVERSIDE COUNTY BENCHMARK: 600-33-68. STANDARD BRASS DISK ON CONCRETE POST 1.3 MILES SOUTHEAST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION IN PERRIS, 125 FT. NORTH OF CASE ROAD, 56 FT. NORTH OF THE MOST NORTHERLY RAIL OF THE TRACK, 5 FT. WEST OF POWER POLE #74680, 2 FT. LOWER THAN THE RAILWAY, 2 FT. EAST OF A MARKER POST, SET A BRASS DISK IN THE TOP OF A CONCRETE POST.

SCALE: AS SHOWN DATE: 11/04/09

COUNTY OF RIVERSIDE: MS 4216 IP 090020 W.O. ZEDA0037

CITY OF PERRIS

CITY FILE NO. P8-1099

STREET IMPROVEMENT PLANS

DETAIL SHEET

SHERMAN ROAD

SHEET 2 OF 16 SHEETS