

### IRRIGATION LEGEND

SYMBOL	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (psi)	PRESSURE COMPENSATING	PLUS/MINUS 5% ①				SPRINKLER ASSEMBLY							REMARKS			
					DISCHARGE		RADIUS (ft)	WIDTH x LENGTH (ft)	FLOW SHUTOFF DEVICE	RISER			BUBBLER		TREE WELL				
					GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)				TYPE	PLASTIC	GALVANIZED	SIZE (IPS INCH)	HEIGHT (INCH)	TYPE		INLET CONNECTION (NPT INCH)	SPRINKLER PROTECTOR (TYPE)	HEIGHT (INCH)
⊗	TREE WELL SPRINKLER ASSEMBLY	--	15 - 70	X	0.5	--	--	--	--	TW	X	--	1/2	18	C-2	1/2	--	18	2 PER TREE
○	SPRINKLER ASSEMBLY (RISER)	--	15 - 70	X	0.5	--	--	--	--	V	--	--	1/2	48	C-2	1/2	--	--	1 PER PLANT

**APPLICABLE WHEN CIRCLED BELOW:**  
 ① - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.  
**X IN BOX DENOTES REQUIREMENT**  
**TW IN BOX DENOTES TREE WELL SPRINKLER ASSEMBLY**

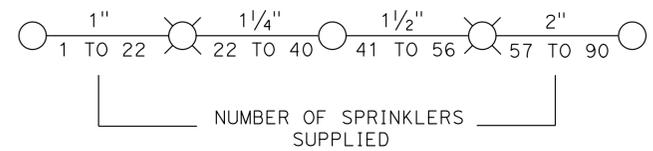
#### TOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	SHEET NUMBER				TOTAL
		IP-1	ID-1			
VALVES AND ASSEMBLIES						
BV PER SPEC.	EA	1	1			2
GV 2 INCH	EA	--	2			2
RCV 1 INCH	EA	1	1			2
RCV 1 1/2 INCH	EA	--	1			1
PLASTIC PIPE SUPPLY LINE						
CL 315 2 INCH	LF	25	375			400
CL 315 3 INCH	LF	--	200			200

#### TOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	VALVE NUMBER			TOTAL
		B-16	B-17a	B-17b	
PLASTIC PIPE SUPPLY LINE					
SCHEDULE 40 1 INCH	LF	350	470	310	1,130
1 1/4 INCH	LF	105	70	10	185
1 1/2 INCH	LF	--	40	--	40
2 INCH	LF	75	--	--	75
SPRINKLER ASSEMBLY TYPE					
TREE WELL	EA	--	44	24	68
RISER	EA	94	--	--	94

#### PIPE SIZING CHART



#### EXTEND IRRIGATION CROSSOVERS

LOCATION	SIDE	EXTEND CONDUIT		CB	OL	(N) WATER LINE CROSSOVER SIZE (INCH)	(N) SPRINKLER CONTROL CROSSOVER SIZE (INCH)	(N) CONTROL AND NEUTRAL CONDUCTORS (EA)
		LINE	STATION					
"R4"	750+28	X				2	2	2
"R4"	750+40		X			2	2	4
TOTAL						90		

(N) - NOT A SEPARATE PAY ITEM FOR INFORMATION ONLY  
 X - DENOTES REQUIREMENT  
**ABBREVIATIONS:**  
 CB - COUPLING BAND  
 OL - OVERLAP

**2** REPLACED PER ADDENDUM No. 2 DATED SEPTEMBER 19, 2014

### IRRIGATION SPRINKLER SCHEDULE AND QUANTITIES

**ISS-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	50	17.1	54	175

LICENSED LANDSCAPE ARCHITECT  
 5-12-14  
 PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT  
 JAMES G. WILLIAMSON  
 No. 5415  
 Signature  
 02-29-16  
 Renewal Date  
 05-12-14  
 State of California

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 LANDSCAPE ARCHITECTURE  
 SENIOR LANDSCAPE ARCHITECT  
 T. CHRIS JOHNSON  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 J. WILLIAMSON  
 T.C. JOHNSON  
 REVISED BY  
 DATE REVISED

**LEGEND**

- TRAFFIC CONE
- ⌋ TEMPORARY TRAFFIC CONTROL SIGN
- ⬢ FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ☀ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

**NOTES:**

See Revised Standard Plan RSP T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.  
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

2

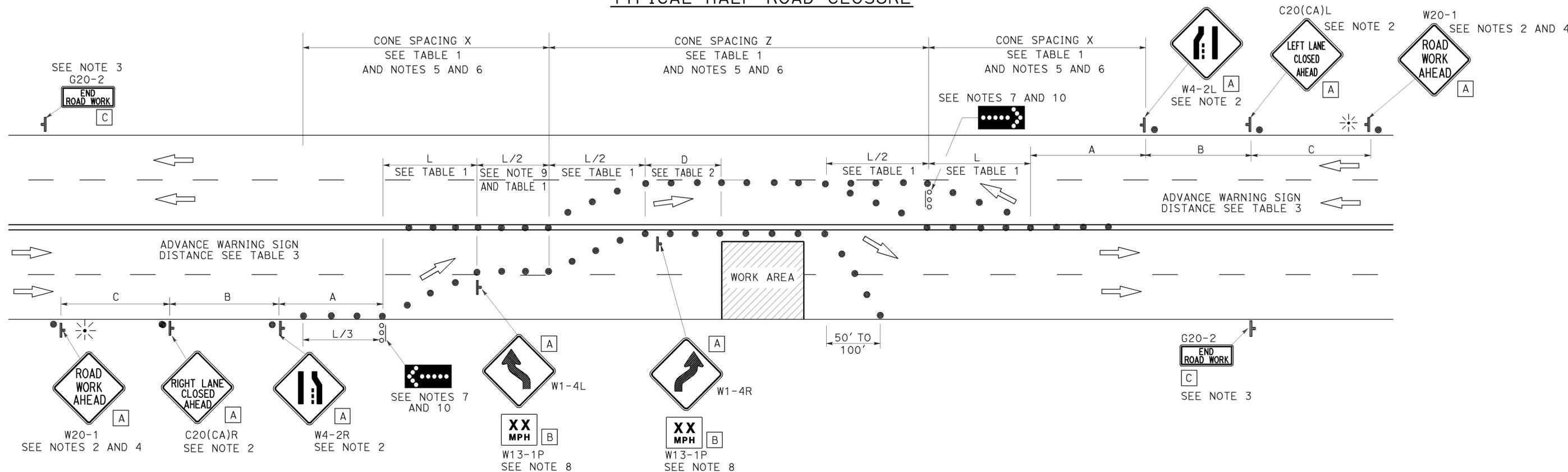
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	50	17.1	103A	175

Registered Civil Engineer  
 Gurinderpal Bhullar  
 No. C48815  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

April 19, 2013  
 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.

TO ACCOMPANY PLANS DATED 5-12-14

**TYPICAL HALF ROAD CLOSURE**



**NOTES:**

1. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT \_\_\_\_\_ MILES", use a C20(CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow signs shall be either Type I or Type II.
8. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
9. Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
10. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

2 ADDED PER ADDENDUM No. 2 DATED SEPTEMBER 19, 2014

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR HALF ROAD CLOSURE ON  
 MULTILANE CONVENTIONAL  
 HIGHWAYS AND EXPRESSWAYS**

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12  
 DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T12**

2010 REVISED STANDARD PLAN RSP T12