

TABLE 1

APPROACH SPEED	* Min L	* Min L/2	Max OF SPACING OF CONES
mph	ft	ft	ft
20 AND BELOW	80	40	10
25	125	65	12
30	180	90	15
35	245	125	17
40	320	160	20
45	540	270	22
50	600	300	25
55	660	330	27
60	720	360	30
65	780	390	32

\* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.

TABLE 2

APPROACH SPEED	Min D	DOWNGRADE Min D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

\* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

TABLE 3

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	Min A (ft)	Min B (ft)	Min C (ft)
URBAN (SPEED 25 mph OR LESS)	100	100	100
URBAN (SPEED 30 mph OR MORE)	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

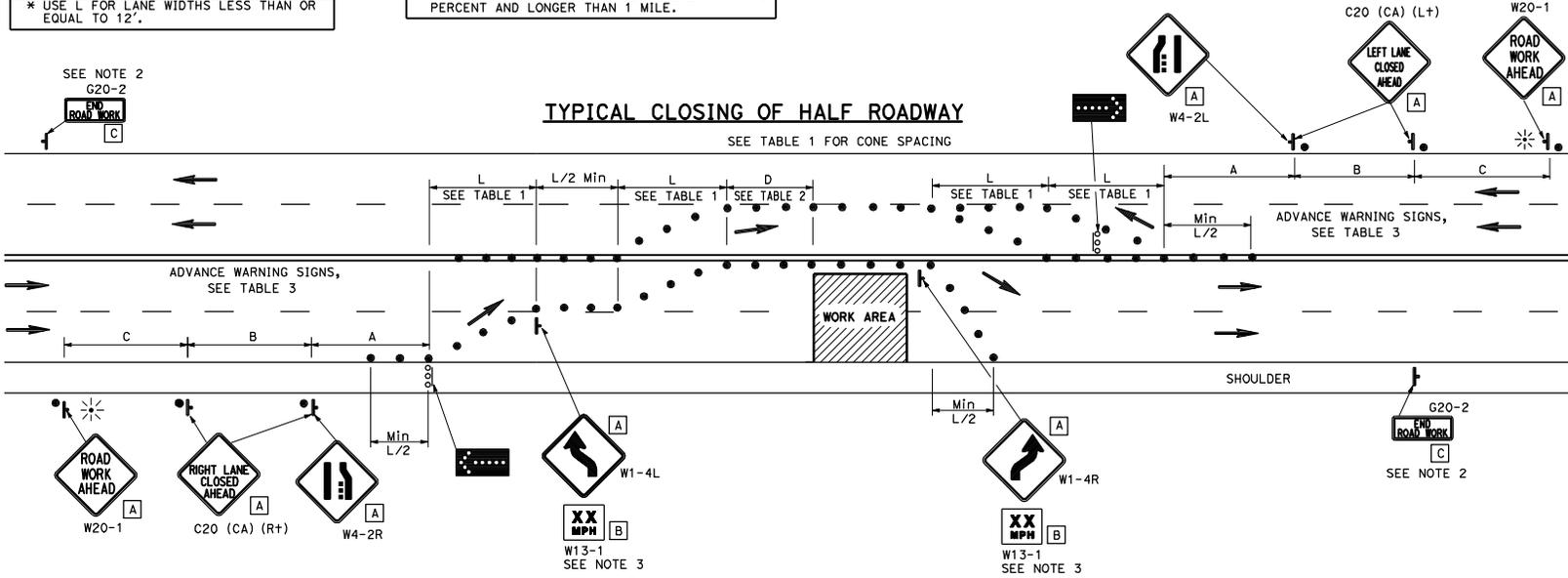
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

Gordon Wang  
No. C63597  
Exp. 9-30-12  
CIVIL  
STATE OF CALIFORNIA

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



**LEGEND**

- TRAFFIC CONE
- ⊥ TEMPORARY SIGN
- ← DIRECTION OF TRAVEL
- ⋯ FLASHING ARROW SIGN (FAS)
- ⊕ FAS SUPPORT OR TRAILER
- ⊙ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- [A] 48" x 48" - SPEED OF 45 mph OR MORE  
36" x 36" - SPEED LESS THAN 45 mph
- [B] 30" x 30" - SPEED OF 45 mph OR MORE  
24" x 24" - SPEED LESS THAN 45 mph
- [C] 48" x 24" - SPEED OF 45 mph OR MORE  
36" x 18" - SPEED LESS THAN 45 mph

**NOTES:**

- California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.
- 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.
- Advisory speed will be determined by the Engineer. The W13-1 sign will not be required when advisory speed is more than the posted or maximum speed limit.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

**T12**