

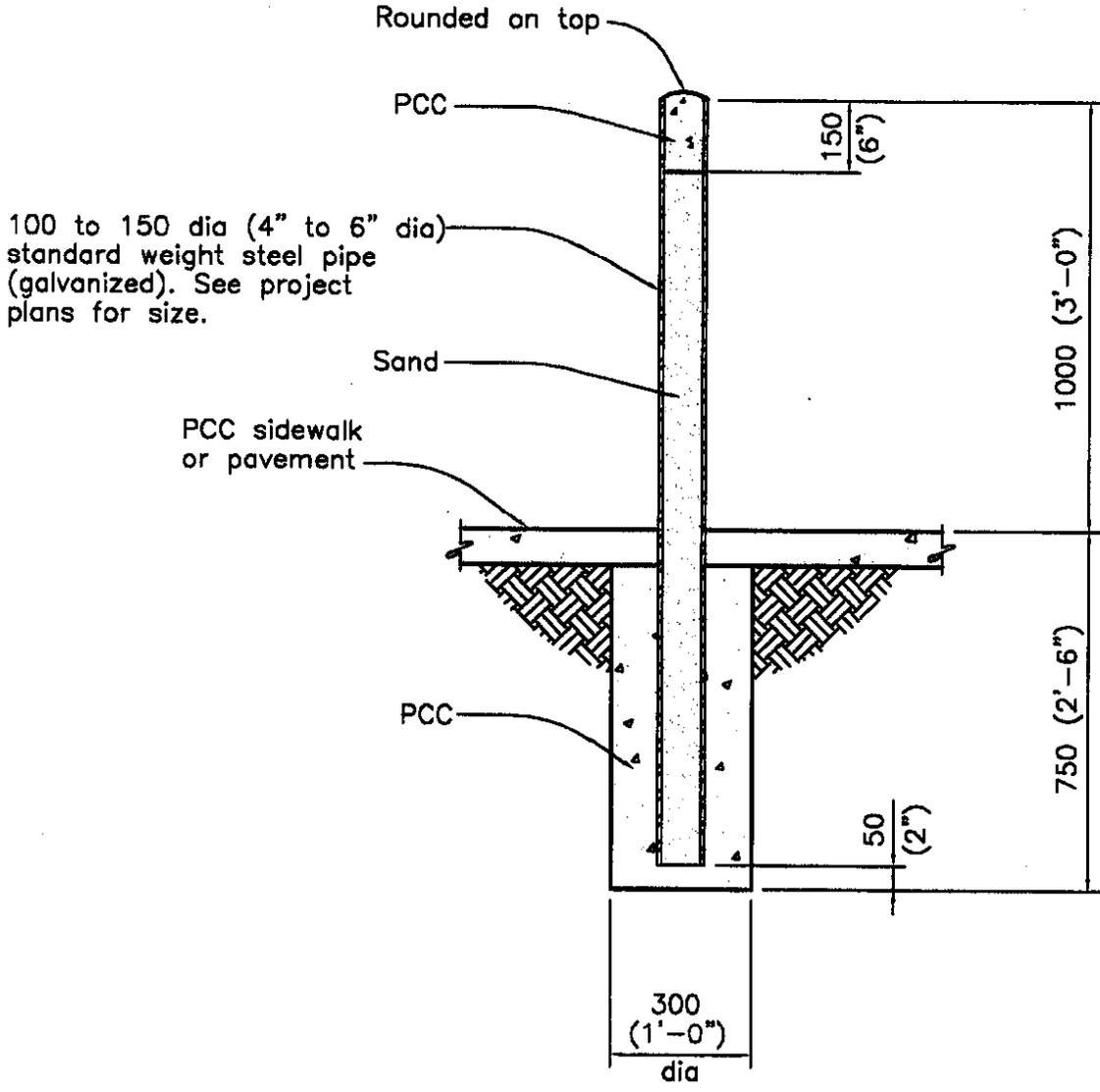
TYPICAL SECTION

NOTES:

1. Install at all locations where AC pavement is constructed adjacent to dirt grade. Leave in-place.
2. Splice boards shall be installed on the grade side and shall be minimum 50 x 150 x 1000 mm (2" x 6" x 3'-0").
3. Headers, splice boards and stakes shall be redwood or preservative treated Douglas Fir.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	04/04/96	HEADER BOARD FOR ASPHALT CONCRETE PAVEMENT	METRIC 121
2	12/23/02		
3			
4			
APPROVED BY: <i>Mark Antiffel</i>		DATE: <i>1/10/03</i>	SHEET 1 OF 1
CITY ENGINEER R.E. No. <i>40599</i>		EX. DATE: <i>03/31/03</i>	



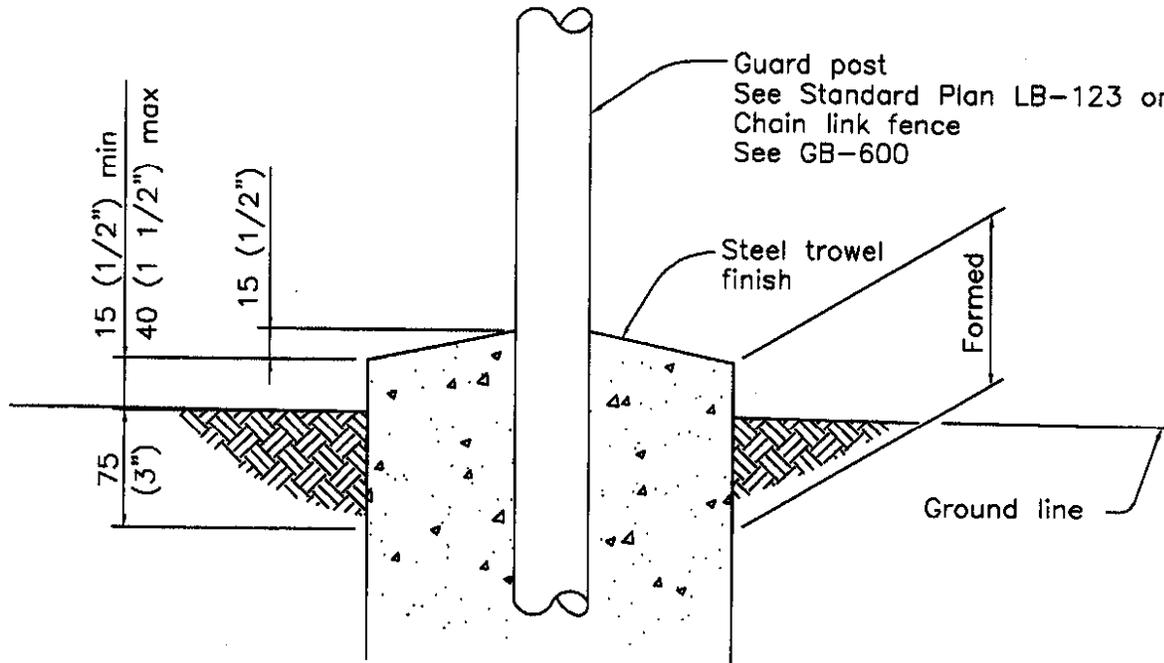
TYPICAL SECTION

NOTE:

Pipe size refers to nominal diameter.

Dimensions are in millimeters, except as noted

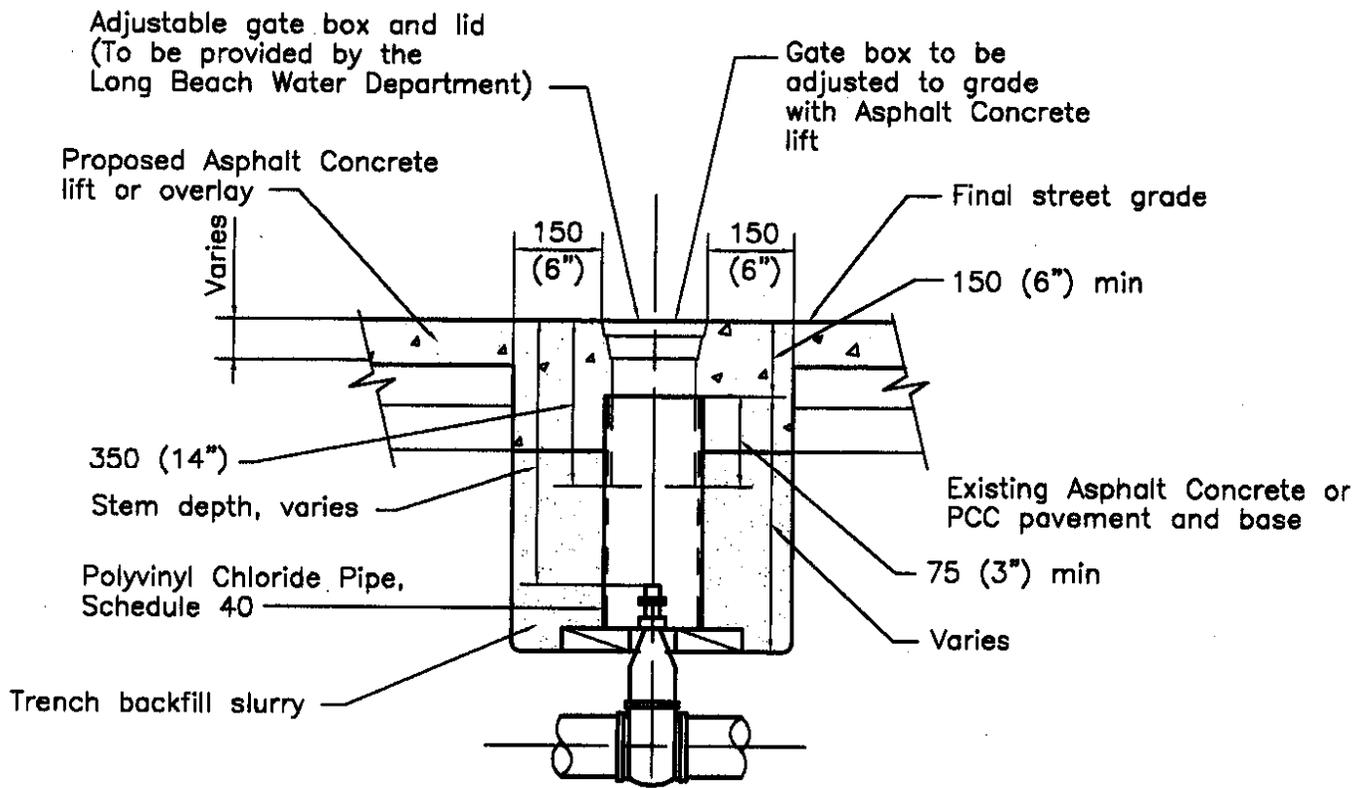
REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	04/04/96	GUARD PIPE DETAIL	SHEET 1 OF 1
2	12/23/02		
3			
4			
APPROVED BY: <i>Max Cliffe</i>		DATE: <u>1/10/03</u>	
CITY ENGINEER R.E. No. 40589		EX. DATE: <u>03/31/03</u>	



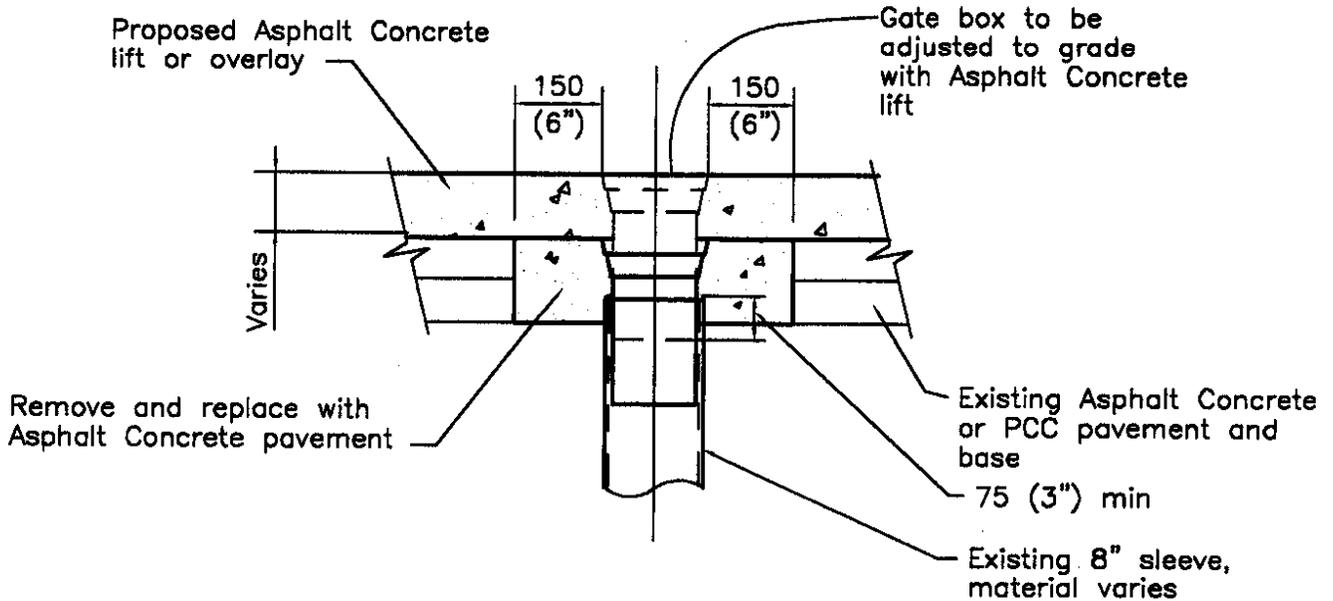
FORMED BASE
(when specified)

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	04/04/96	FORMED FENCE OR GUARD PIPE BASE	METRIC 125
2	12/23/02		
3			
4		APPROVED BY: <i>[Signature]</i> CITY ENGINEER R.E. No. 40599	DATE: 4/16/03 EX. DATE 03/31/07
			SHEET 1 OF 1



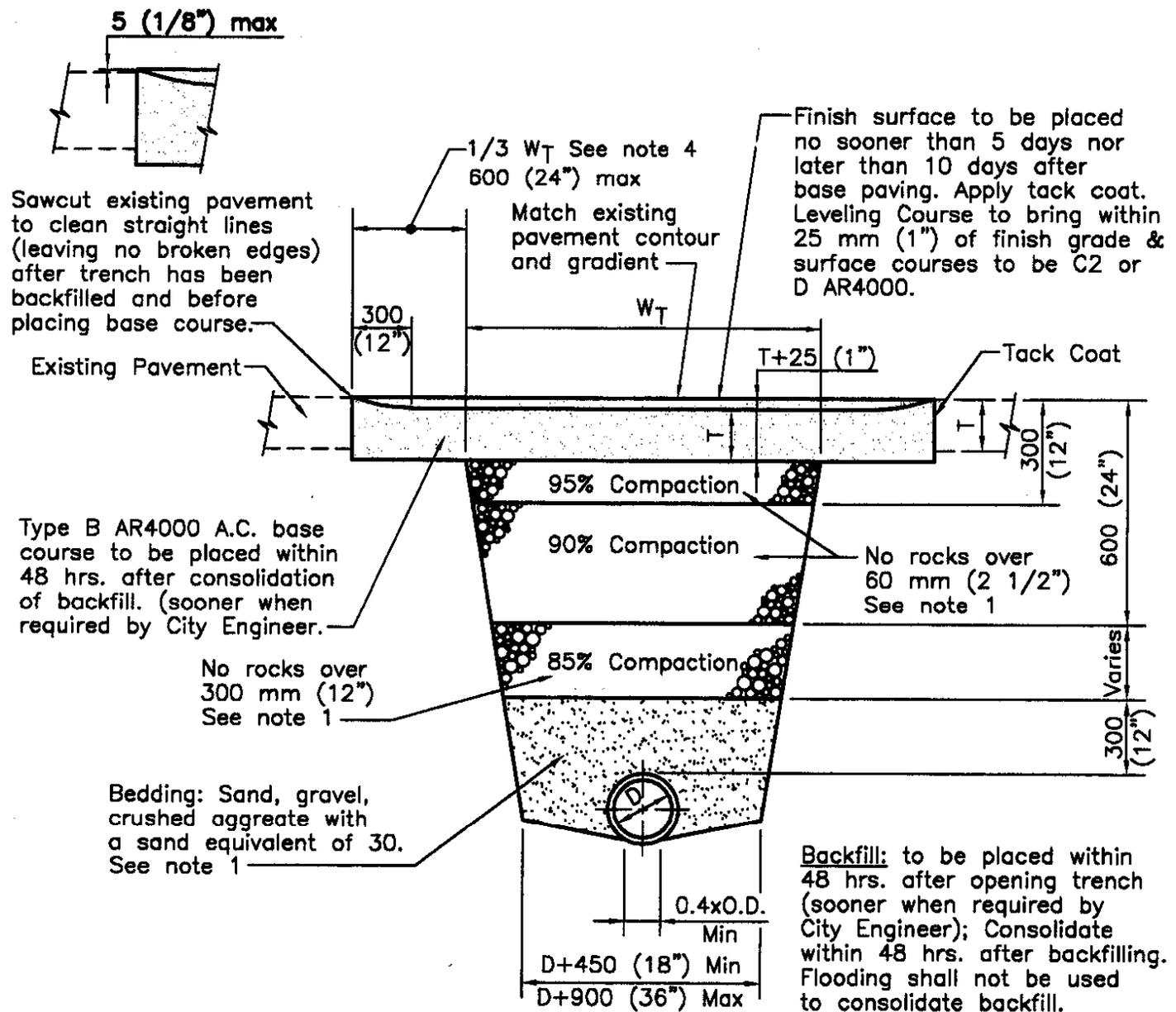
RECONSTRUCTED GATE BOX DETAIL



ADJUSTABLE GATE BOX DETAIL

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		METRIC 126
1	04/05/96	WATER GATE BOX RECONSTRUCTION AND ADJUSTMENT	SHEET 1 OF 1
2	12/23/02		
3			
4			
APPROVED BY: <i>Max Christoffel</i>		DATE: 1/10/03	
CITY ENGINEER R.E. No. 40599		EX. DATE 03/31/03	



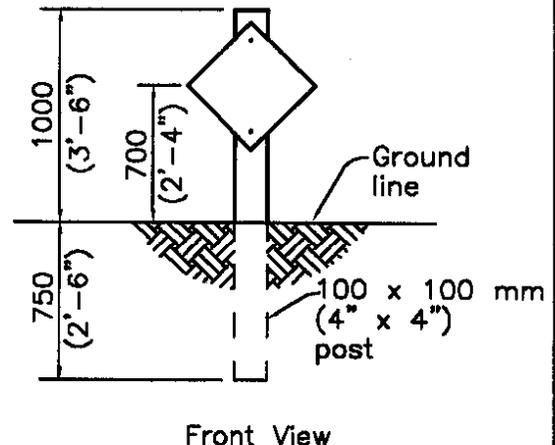
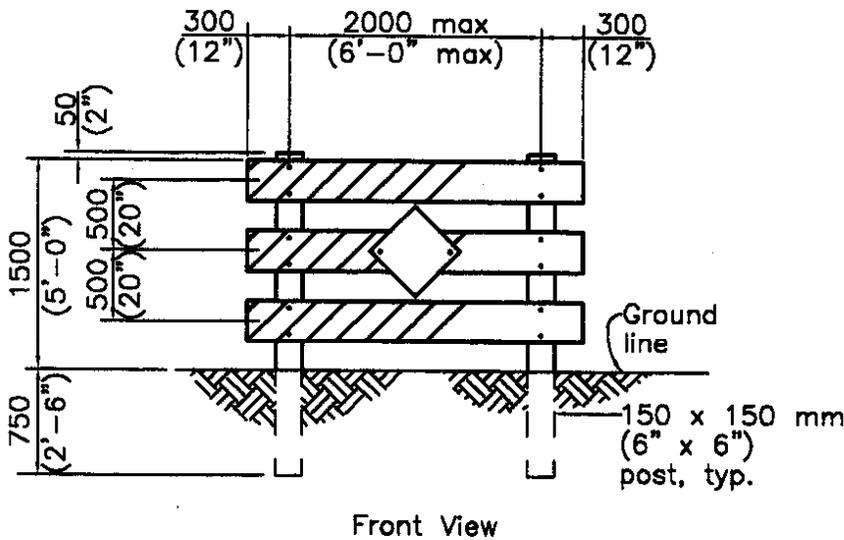
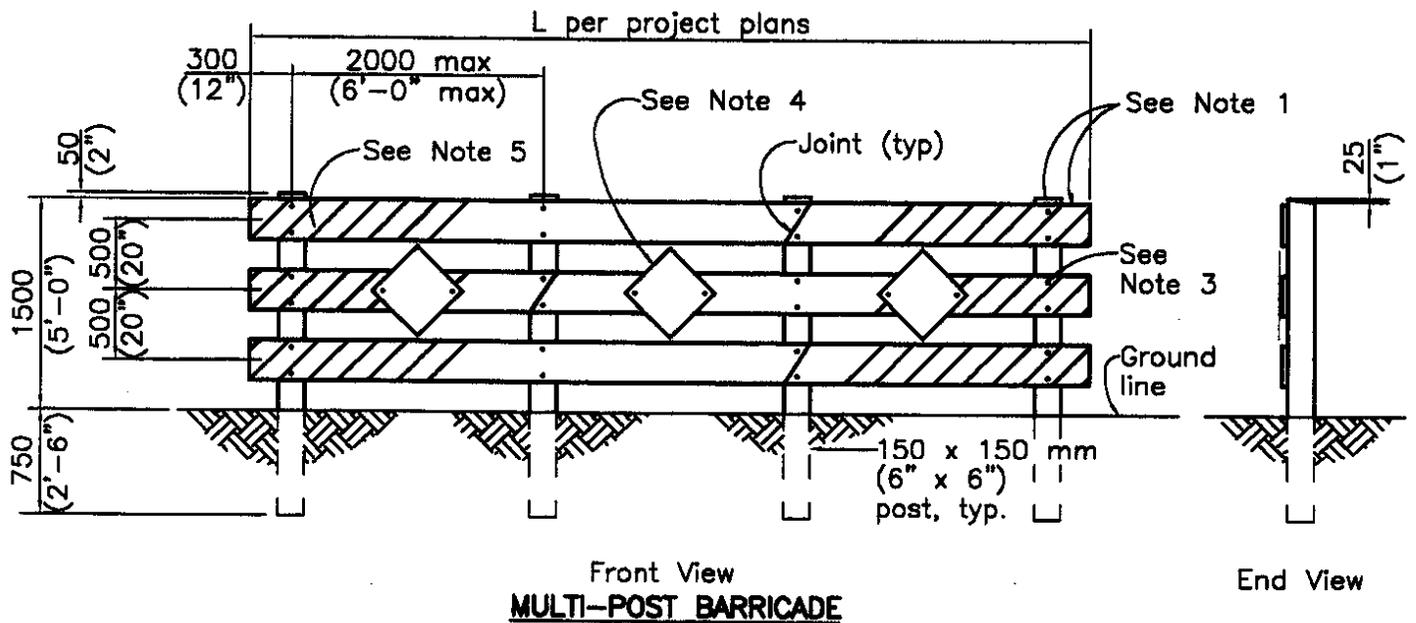
DETAIL FOR TRENCHING, BACKFILL & A.C. PAVEMENT REPAIR

NOTES:

1. Backfill for trenches with W = 900 mm (36") or less shall be cement slurry, class 120-E-1.4 (200-E-200) unless otherwise approved by the City Engineer.
2. Unless otherwise instructed by the City Engineer, trench patch shall not be crowned at center.
3. Temporary asphalt concrete shall be 100 mm (4") minimum thickness. Compaction and surface finish shall equal to that required for permanent asphalt concrete pavement.
4. Outer dimension does not apply to single excavations smaller than 1.5 x 1.5 m (5'x5').
5. Replace obliterated striping within 7 days of permanent paving.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	04/04/96	TRENCH REQUIREMENTS IN STREETS R/W	SHEET 1 OF 1
2	11/24/97		
3	12/23/02		
4			
APPROVED BY: <i>Mark Chittell</i>		DATE: <i>1/10/03</i>	
CITY ENGINEER R.E. No. 40589		EX. DATE: <i>03/31/03</i>	

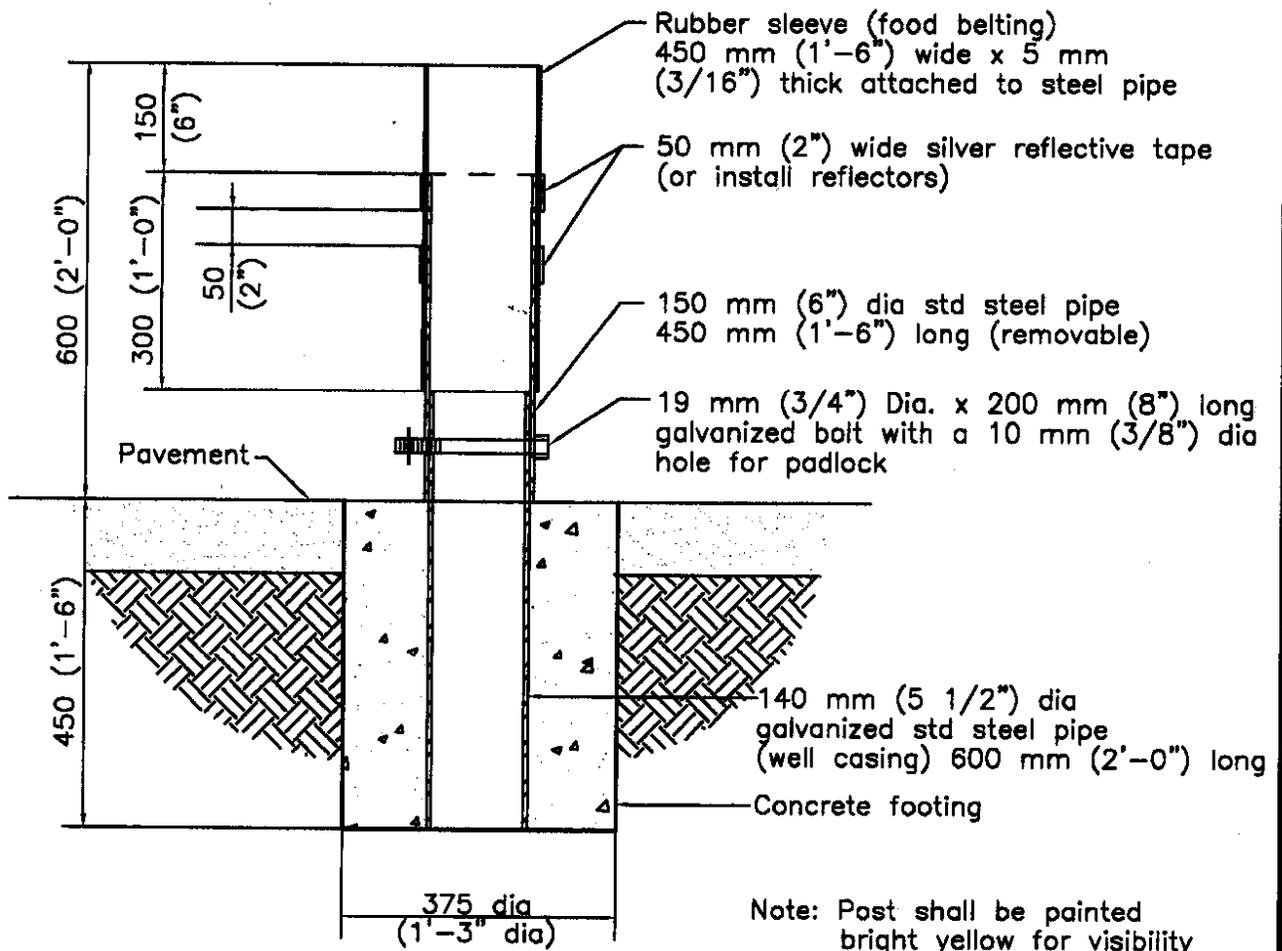


NOTES:

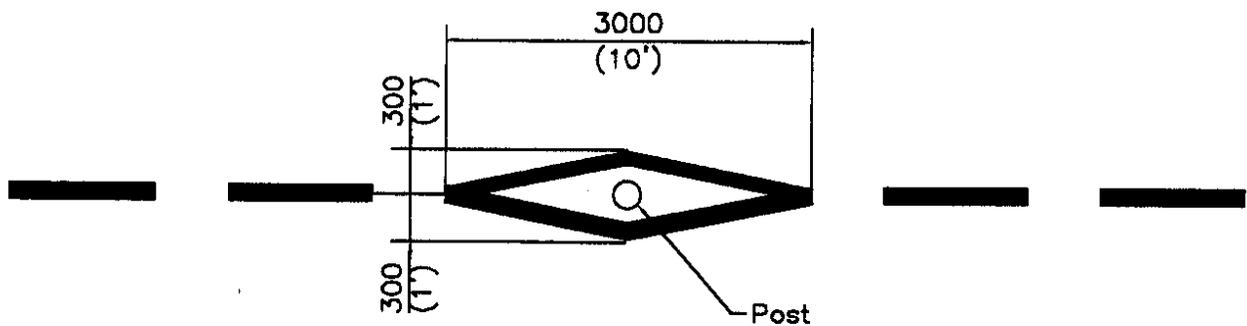
1. Posts shall be structural grade redwood or preservative treated Douglas Fir, surfaced four sides; cross pieces shall be 50 x 300 mm (2" x 12") select grade Douglas Fir, surfaced four sides.
2. All exposed portions of barricades shall be painted with two coats of white exterior enamel over prime coat.
3. Connections shall be made with 10 x 150 mm (3/8" x 6") galvanized lag screws with one (1) washer each. Reflector sign fasteners shall be 10 x 40 mm (3/8" x 1 1/2") galvanized lag screws.
4. Reflector signs shall be Caltrans Type N-2 for use on dead end streets and Type N-1 for all other conditions.
5. Markings for barricade rails shall be reflectorized alternate orange and white stripes in accordance with the "Work Area Traffic Control Handbook."

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA		STANDARD PLAN NO.
NO.	DATE	DEPARTMENT OF PUBLIC WORKS		
1	04/04/96	PERMANENT BARRICADE		METRIC 128
2	12/23/02			
3				
4				
APPROVED BY: <i>Max Antille</i>		DATE: <i>1/10/03</i>	SHEET	
CITY ENGINEER R.E. No. <i>70599</i>		EX. DATE: <i>03/31/03</i>	1 OF 1	



SECTION

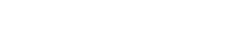


PLAN

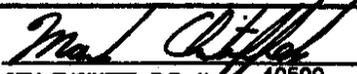
Dimensions are in millimeters, except as noted.

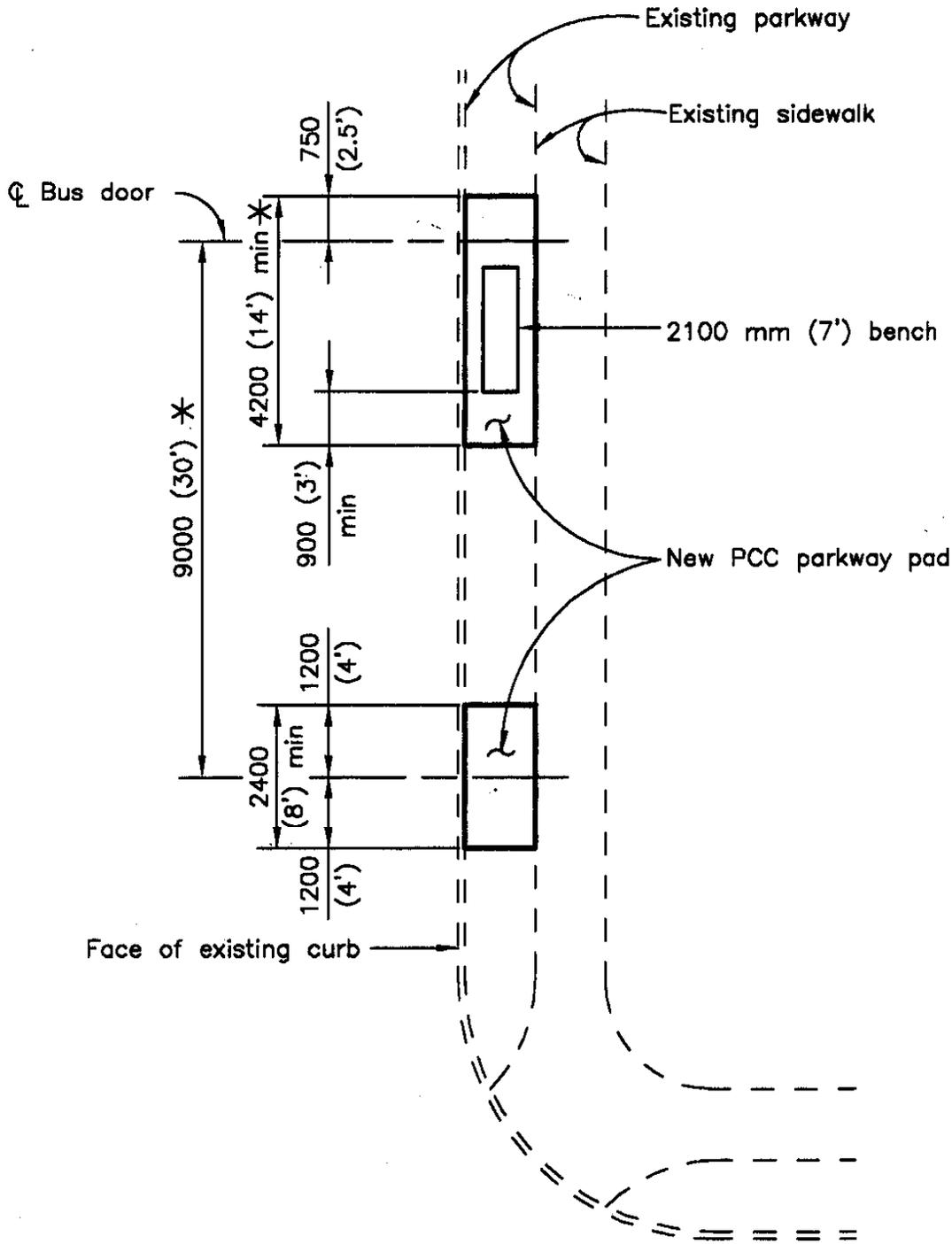
REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	04/05/96	BICYCLE PATH BARRIER POST	SHEET 1 OF 1
2	11/24/97		
3	12/23/02		
4			
APPROVED BY: <i>Max Chittell</i>		CITY ENGINEER R.E. No. 40598	DATE: 1/10/03 EX. DATE: 03/31/03

DRAFTING SYMBOLS

BARRICADE -----		
BENCH MARK -----	■ BM	
EXISTING GRADE -----	(XX.XX)	
FENCE -----	— x — x —	
FIRE HYDRANT -----	○	
FLOW DIRECTION -----		
GUY -----	●	
JOIN EXISTING IMPROVEMENTS -----		
MANHOLE -----	<div style="display: flex; align-items: center; gap: 5px;"> ⊙^S -S SEWER </div> <div style="display: flex; align-items: center; gap: 5px;"> ⊙ -SD STORM DRAIN </div> <div style="display: flex; align-items: center; gap: 5px;"> ⊙ -E EDISON </div> <div style="display: flex; align-items: center; gap: 5px;"> ⊙ -T TELEPHONE </div>	
METER -----	<div style="display: flex; align-items: center; gap: 5px;"> ⊗ WM -WM WATER METER </div> <div style="display: flex; align-items: center; gap: 5px;"> ⊗ GM -GM GAS METER </div>	
MONUMENT -----	● MON#	
POLE -----	○	
POST OR IRON PIPE -----	●	
PULL BOX -----	□ PB	
SIGN -----	T	
SIGNAL CONTROL BOX -----	◻	
SPRINKLER HEAD -----	— X —	
STREET LIGHT -----		
TRAFFIC LIGHT STANDARD -----		
TREE — PALM -----		
OTHER -----		
VALVE -----	<div style="display: flex; align-items: center; gap: 5px;"> ⊗ WV -WV WATER VALVE </div> <div style="display: flex; align-items: center; gap: 5px;"> ⊗ GV -GV GAS VALVE </div>	
WALLS — BLOCK, CONCRETE -----		
STUCCO, ETC. -----		

NOTE: Symbol sizes proportionate to drawings scale

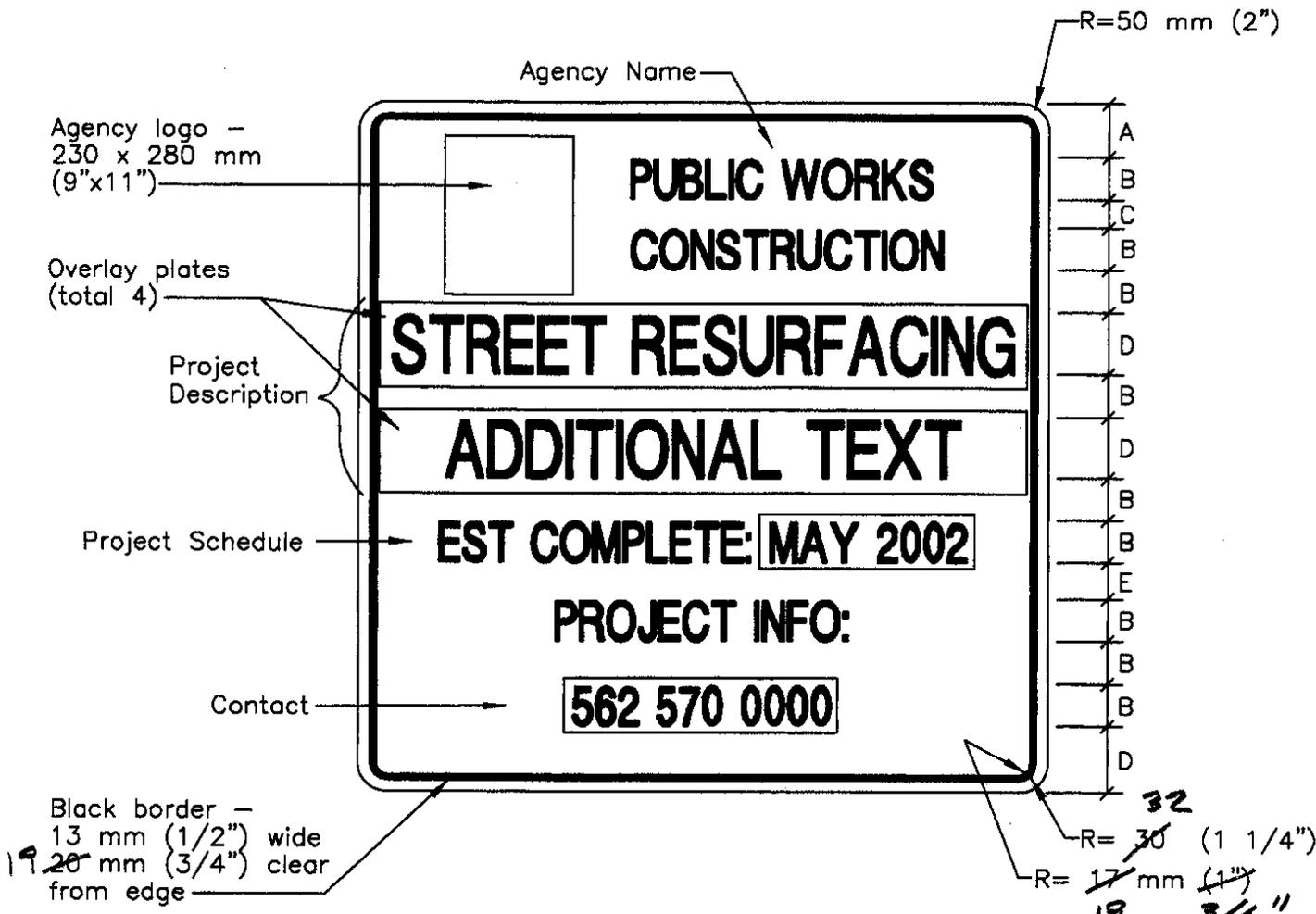
REVISIONS	CITY OF LONG BEACH, CALIFORNIA		STANDARD PLAN NO.
NO. DATE	DEPARTMENT OF PUBLIC WORKS		METRIC
1 12/23/02	STANDARD SYMBOLS		132
2	APPROVED BY: 		SHEET
3	CITY ENGINEER R.E. No. 40599	DATE: 1/10/03	1 OF 1
4		EX. DATE 03/31/03	



* Dimensions may vary depending on actual buses used on various bus routes. Verify dimensions with Long Beach Transit.

Dimensions are in millimeters, except as noted

REVISIONS NO. DATE		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		STANDARD PLAN NO. METRIC 133
1	12/04/95	BUS STOP PARKWAY PAD		SHEET 1 OF 1
2	11/24/97	APPROVED BY: <i>Mark Christoffel</i> CITY ENGINEER R.E. No. 90598		
3	12/23/02	DATE: <u>1/10/03</u> EX. DATE: <u>03/31/03</u>		
4				



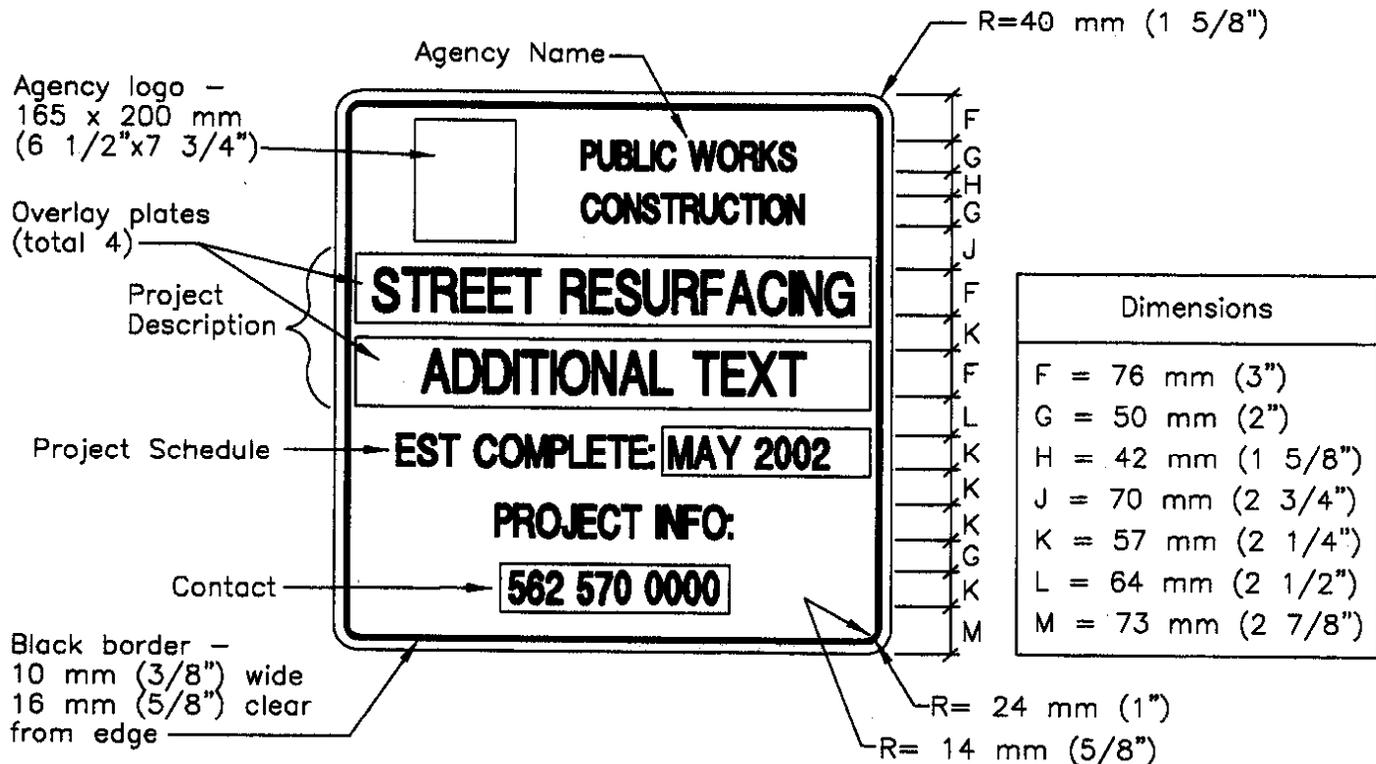
1220 x 1220 mm (48"x48") SIGN

Dimensions	
A	= 95 mm (3 3/4")
B	= 76 mm (3")
C	= 50 mm (2")
D	= 110 mm (4 1/4")
E	= 60 mm (2 1/2")

See notes, sheet 2.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	12/23/02	CONSTRUCTION INFORMATION SIGN	METRIC 136
2			
3			
4			
APPROVED BY: <i>[Signature]</i>		DATE: <u>4/16/03</u>	SHEET 1 OF 2
CITY ENGINEER R.E. No. 40599		EX. DATE: <u>03/31/07</u>	



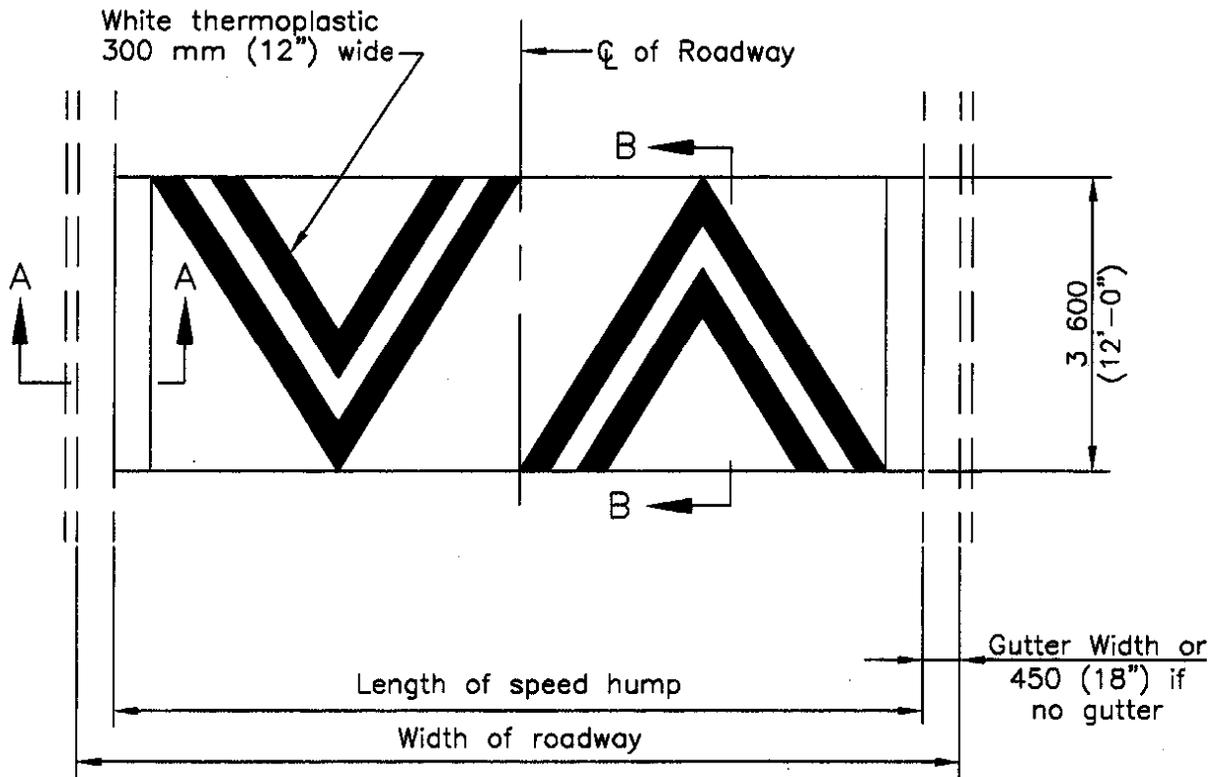
915 x 915 mm (36"x36") SIGN

Notes

1. Use 1220 x 1220 mm (48"x48") signs except where signs will interfere with pedestrian access. Otherwise, use 915 x 915 mm (36"x36") signs. Signs are required for all street, highway and utility projects lasting two weeks or more.
2. Signs shall be furnished by the Contractor or permittee. Post at least two signs per each work location; one sign at each end of street work, and one at each side street with a curb-to-curb width of 11 m (36') or greater.
3. Signs shall be aluminum, 1.6 mm (1/16") thick, engineering grade. Background shall be non-reflective white. Text shall be black.
4. For City projects, City will furnish City's logo in computerized format, if needed.
5. Overlay plate areas show job-specific text to be obtained from City or Agency before sign fabrication. Overlay plates shall be aluminum with coloring and text matching main sign. Overlay plates shall be mechanically attached.
6. Install signs on existing street light poles, if available. Otherwise, furnish new posts. Install signs per LB-317.
7. Post signs before beginning work. Remove signs after completing work, per City's approval, and deliver to City of Long Beach Traffic Paint and Sign Shop. The work will not be given final acceptance until the signs are delivered.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	12/23/02	CONSTRUCTION INFORMATION SIGN	METRIC 136
2	02/28/03		
3		APPROVED BY: <i>[Signature]</i> CITY ENGINEER R.E. No. 40599	SHEET 2 OF 2
4			
		DATE: 4/16/03	
		EX. DATE: 03/31/07	

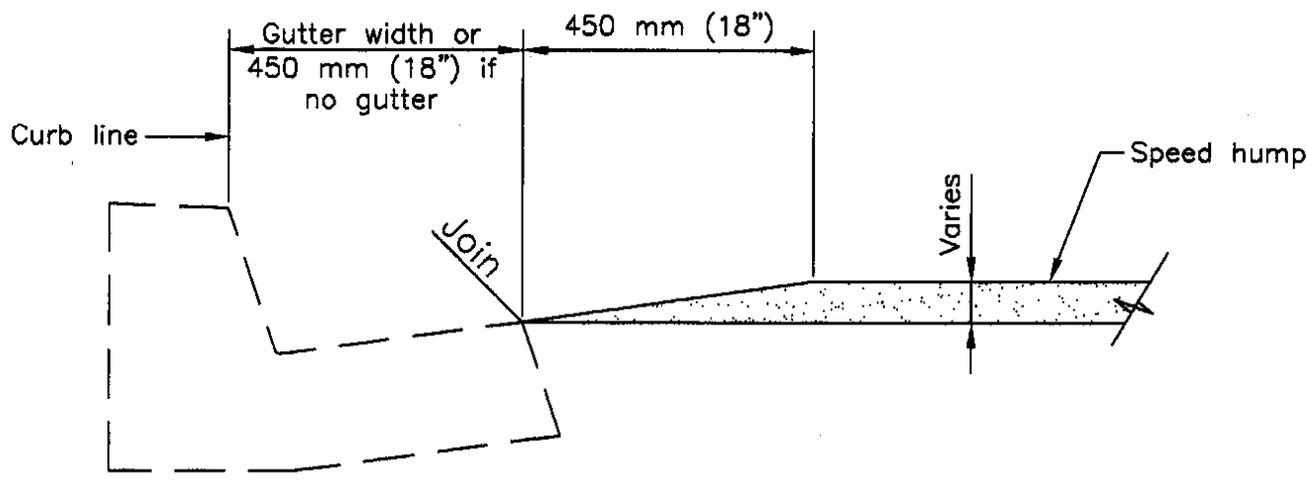


NOTES

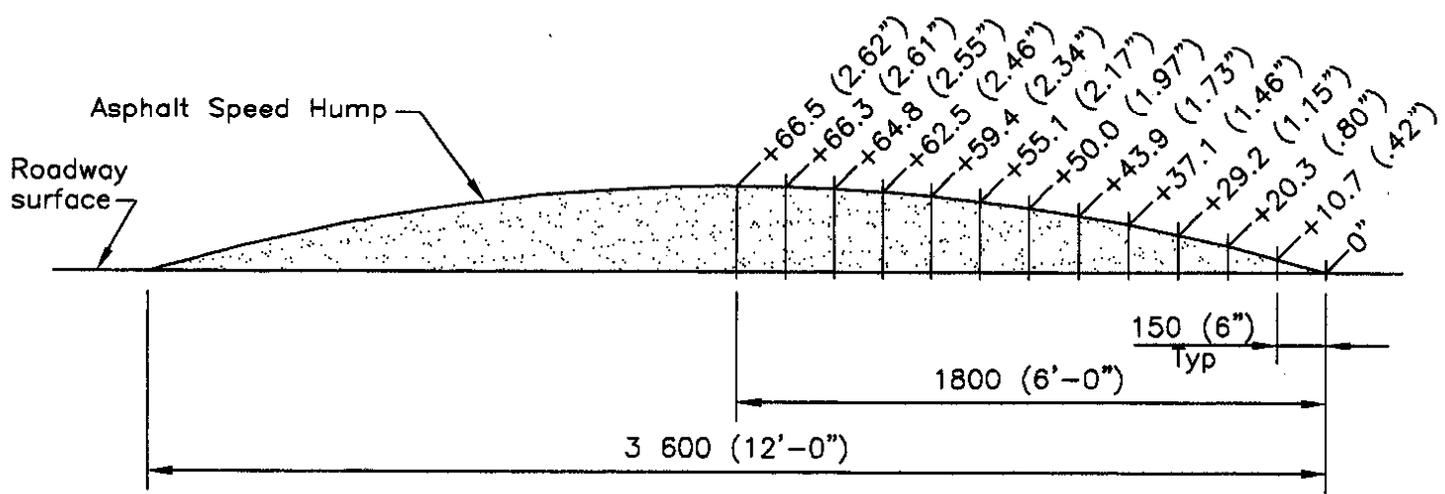
1. See project plans for placement of humps and warning signage.
2. Not to be installed within 60 m (200') of Stop controlled intersections and 90 m (300') of signalized intersections.
3. Not for roadways with center drainage swales.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	02/28/03	SPEED HUMP	METRIC 137
2			
3			
4			
APPROVED BY: <i>[Signature]</i>		DATE: <i>4/16/03</i>	SHEET
CITY ENGINEER R.F. No. 40599		EX. DATE: <i>03/31/07</i>	1 OF 2



SECTION A-A



SECTION B-B

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		METRIC 137
1	02/28/03	SPEED HUMP	SHEET
2			2 OF 2
3			APPROVED BY: <i>[Signature]</i>
4			CITY ENGINEER R. No. 40599
		DATE: 4/16/03	EX. DATE: 03/31/07