



CITY OF PALOS VERDES ESTATES

STATE OF CALIFORNIA

**GENERAL PROVISIONS AND STANDARDS
FOR PUBLIC WORKS PERMITS
(DRIVEWAYS, WALKWAYS, CURB & GUTTER, CURB DRAINS)**

Last Revised: April, 2012

Approved, April 13, 2012

By Allan Rigg

Allan Rigg
Director of Public Works

GENERAL

All Public Works Permits shall be subject to the following requirements:

- These standards shall apply to all construction within the City right-of-way.
- All work or material required by these plans shall be performed or furnished in conformance with the applicable construction or material requirements of the Standard Specification for Public Works Construction, latest edition and as noted herein.
- All work except for walkways shall be completed by a Contractor licensed by the State of California. Walkway permits may be issued to homeowners with the proper insurance.
- Contractors who work on all other public right-of-way work shall have the proper State contractor's license classification for the work for which they are obtaining a permit.
- Contractor shall have a current Palos Verdes Estates city business license.
- Contractor shall provide a copy of their general liability insurance certificate and a copy of an insurance endorsement, on a separate form from the general liability certificate, naming "the City of Palos Verdes Estates, its officers, agents and employees" as additionally insured. See last page of these guidelines for a sample—Items 1, 2, and 3 (Form CG 20 12 07 98) are required.
- All construction shall be in accordance with the latest edition of the Standard Specifications for Public Works Construction, except as stated herein.
- No material may be placed or stored in the City right-of-way (ROW).
- Utilities shall be protected in place, unless otherwise shown per approved plans.
- All traffic control shall be per the latest edition of the WATCH manual.
- Inspection by City Inspector is required before installation of materials.
- Plant height on right-of-way shall be less than 30 inches, with no hedges. Tree planting in the right-of-way requires prior approval from the City Forester.

DRIVEWAY APPROACHES AND DRIVEWAYS

- Driveway approaches shall be installed on the front six feet of all driveways, adjacent to the street. The driveway shall consist of the remainder of the paved surface, beyond the approach. The driveway and driveway approach shall conform to Palos Verdes Estates Standard Plan, ST-10.
- One set of plans shall be included with each permit application showing the location of the driveway and driveway approach in reference to the street. Dimensions of driveway(s), driveway approach(es), City right-of-way and property lines shall be included on plans.
- Driveway materials shall conform to one of the following options:
 1. Six (6) inches of Portland Cement Concrete (PCC) over six (6) inches of aggregate base. PCC shall be 520-C-2500 and must be obtained from a ready-mix plant.
 2. Three (3) inches of C2-PG 64-10 asphalt concrete over six (6) inches of aggregate base.
 3. Concrete interlocking pavers over four (4) inches of PCC, over six (6) inches of aggregate base, in conformance with the attached "Acceptable Alternate Paving Materials for Driveways".

For all options, aggregate base shall consist of coarse sand or disintegrated granite base.

- Material other than those described above may only be used for any portion of the driveway in the City right-of-way in the event of a hardship or structural impracticability (to be determined by the Public Works Department). The permit shall then state, "the City and utility companies are only required to use City Standard materials when repairs are made to the driveway and/or approach unless the difference in repair cost is paid for by the abutting property owner."

General Provisions & Standards

- All concrete shall be wood float finished and cured. Decorative sawcuts are allowed on the driveway only, not the driveway approach. No steel/wire mesh shall be installed in the approach.
- There shall be a minimum of twenty (20) ft. between two (2) driveways located adjacent to the same lot, and a minimum of one (1) foot between any portion of the driveway or driveway approach and the extension of the property line.
- The driveway approach and the portion of the driveway within the City right-of-way shall be perpendicular to the street.
- All driveway approach replacement shall include removal and replacement of curb and gutter and asphalt slot paving adjacent to the new approach. The new approach shall be constructed with plain uncolored concrete only, no other material.

CURB AND GUTTER

- Curb and gutter construction shall conform to "Standard Plans for Public Works Construction" Plan No. 120-1, Type A2(8) or A3(8), or PVE standard plan ST-29 or ST-30. Curb height shall be 8" high. Asphalt slot paving is required next to new concrete.
- Concrete shall be 520-C-2500 and must be obtained from a ready-mix plant.
- Both curb and gutter shall be removed when repairing existing curb and gutter. Longitudinal saw cuts in gutter shall not be permitted. All joints shall be saw cut.
- New sections of curb and gutter shall be installed in sections of no less than ten (10) ft. No section of less than ten (10) ft. shall be removed or left in place. Gutter shall be 2 ft wide.
- Place weakened plane joints at all B.C.s, E.C.s, P.C.C.s, P.R.C.s and at 15' (Max.) intervals; in concrete curb and gutters.

WALKWAYS

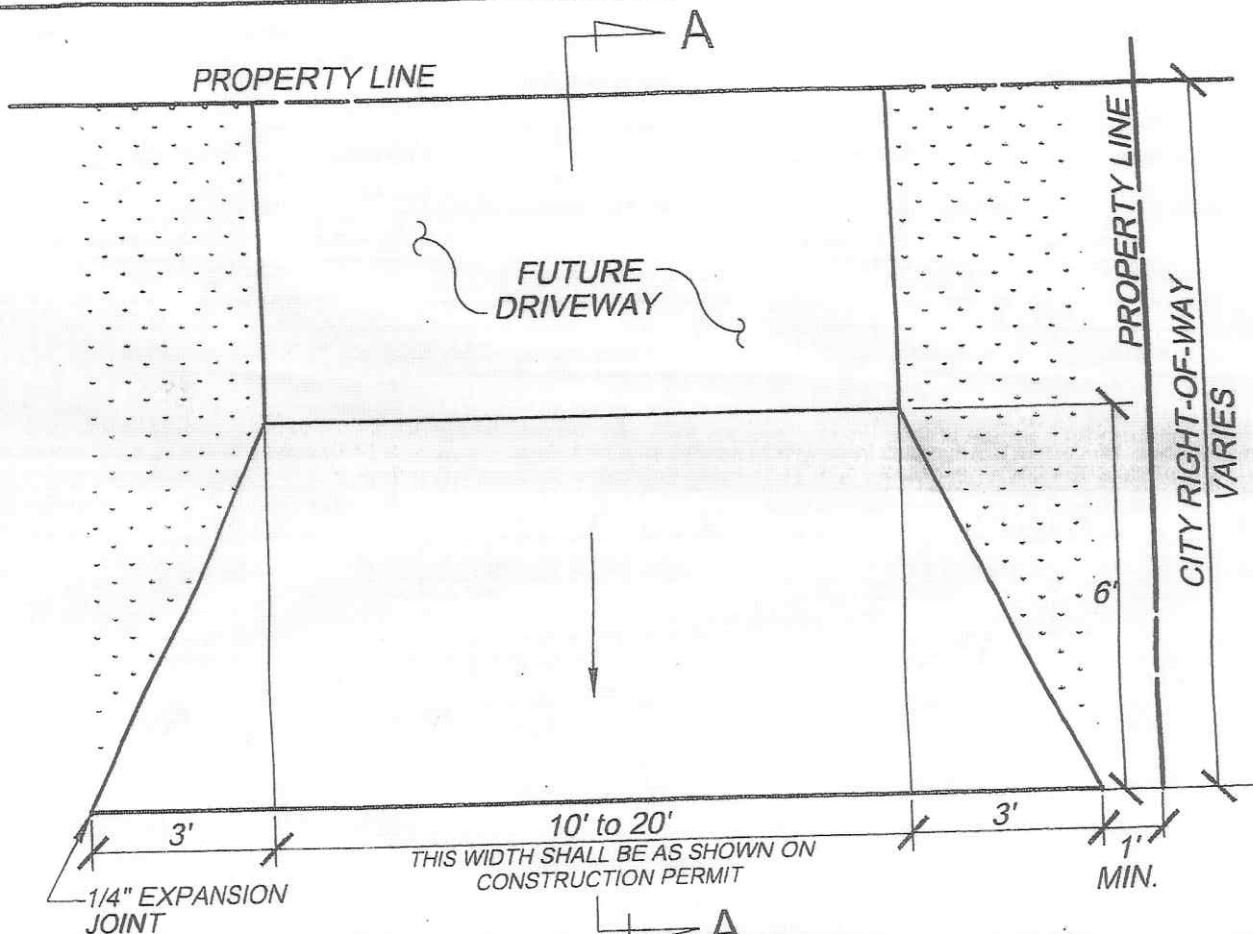
- Only one walkway, located perpendicular to the street, shall be constructed in the R.O.W.
- The walkway shall have a minimum separation of one (1) foot from any portion of the driveway or driveway approach. No curbs are permitted parallel and adj. to the walkway.
- The walkway shall be a minimum four (4) feet wide and a maximum six (6) feet wide.
- The walkway may be constructed of any type of solid material provided no gaps are found within the portion located in the City right-of-way (i.e. no stepping stones, grass grout)

CURB DRAINS

- Bottom of pipe shall be three-fourths (3/4) inch above gutter flow line unless curb face is less than eight (8) inches.
- Use four (4) inch pipe for eight (8) inch-high curb, three (3) inch pipe for six (6) inch curb.
- If curb or gutter is damaged, curb and gutter shall be replaced per City Standards in sections no less than ten (10) feet.
- All pipes shall be schedule 40/SDR 35 PVC, cast iron, or ductile iron.

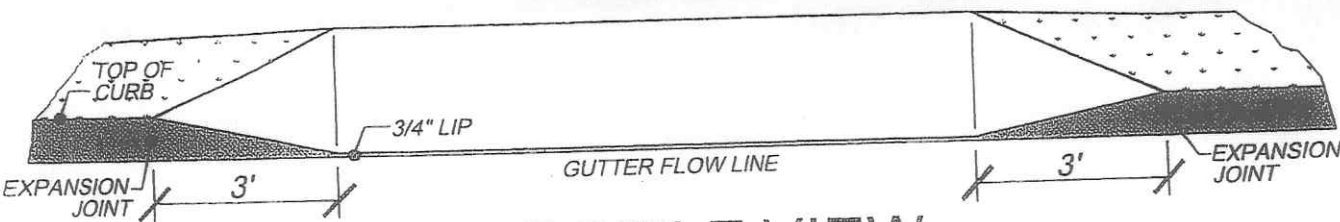
ASPHALT WORK IN CONJUNCTION WITH PUBLIC WORKS IMPROVEMENTS

- Asphalt shall be saw cut with 12-inch T-cuts for trenches. Hot mix asphalt shall be used.
- Minimum width of asphalt patch shall be twelve (12) inches from edge of concrete, more if required by the Public Works Inspector to facilitate proper drainage.
- Replacement of asphalt shall conform to City standards and Greenbook Section 302-5.
 - 4" thick asphalt concrete type C2-PG 64-10 over min. 6" crushed aggregate base, compacted to 95% compaction. Tack coat shall be applied before AC placement



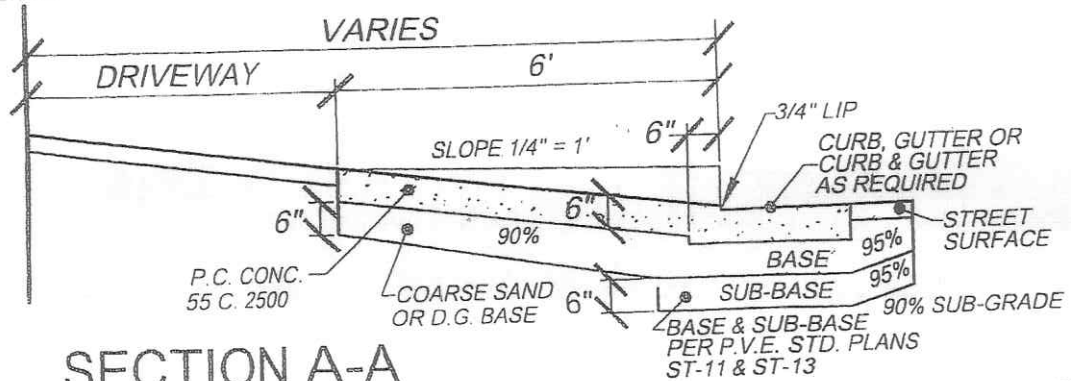
PLAN VIEW

20' MIN. BETWEEN 2 DRIVEWAYS ON SAME LOT



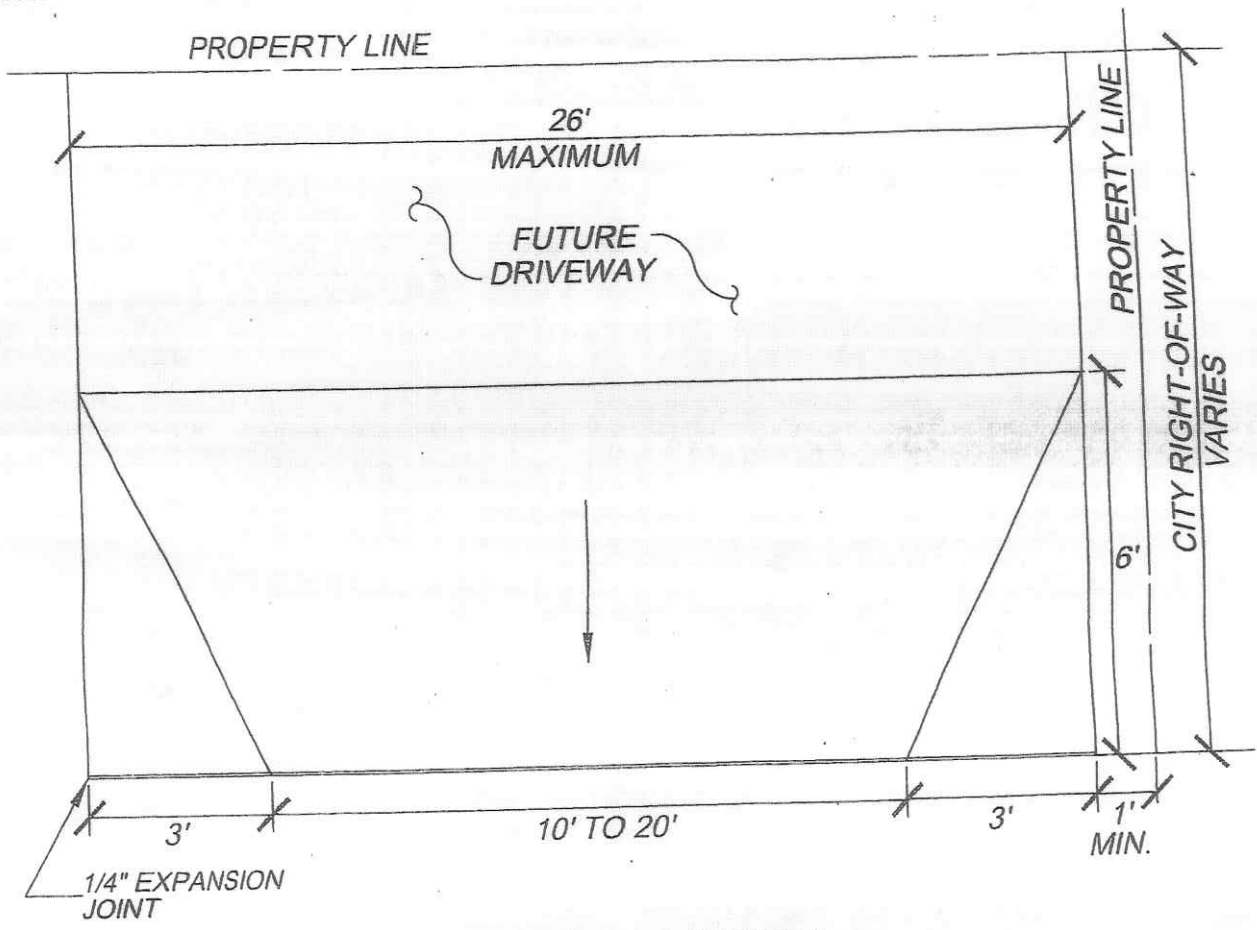
PROFILE VIEW

PROPERTY LINE



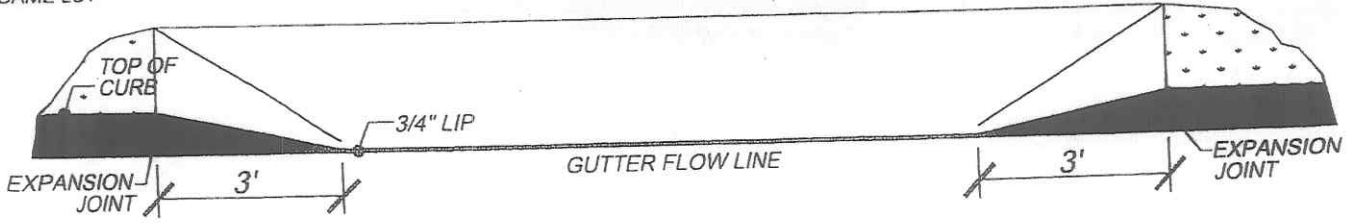
SECTION A-A

APPROVED FOR CONSTRUCTION		STANDARD DRIVEWAY APPROACH CITY OF PALOS VERDES ESTATES P.V.E. STD. PLAN ST-10
CITY ENGINEER	RCE NO. C049632	
LAST REVISION DATE		
APRIL 28, 2000		

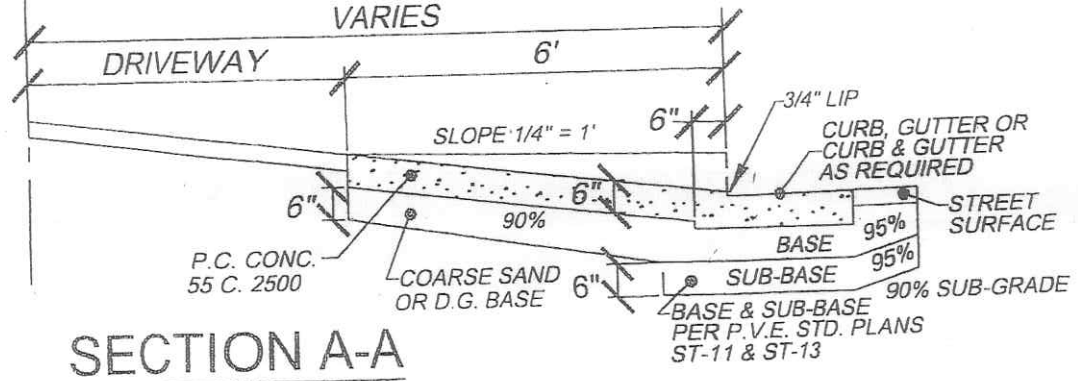


PLAN VIEW

20' MIN. BETWEEN 2 DRIVEWAYS ON SAME LOT



PROPERTY LINE

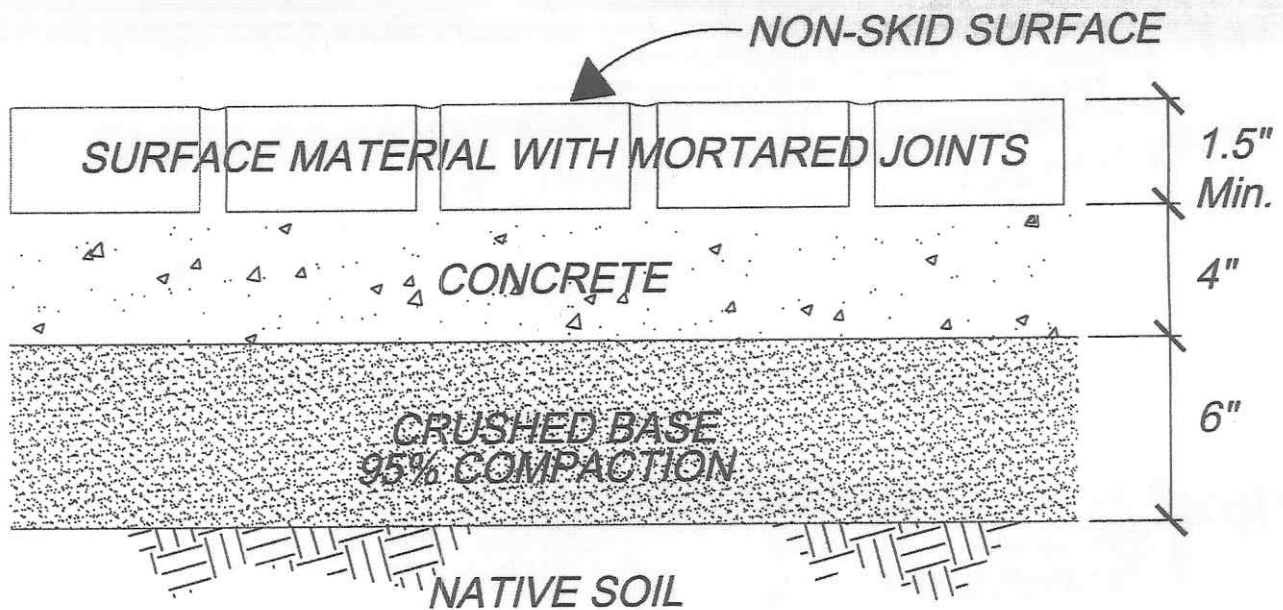


SECTION A-A

APPROVED FOR CONSTRUCTION	
CITY ENGINEER	RCE NO. C049632
LAST REVISION DATE	
APRIL 28, 2000	

MODIFIED STANDARD DRIVEWAY APPROACH
 CITY OF PALOS VERDES ESTATES
 P.V.E. STD. PLAN ST-10

**ACCEPTABLE ALTERNATE PAVING MATERIALS
FOR DRIVEWAYS**
(PORTIONS WITHIN CITY RIGHT-OF-WAY)



NOTES

1. ALLOWABLE SURFACE MATERIALS INCLUDE CONCRETE PAVERS, PALOS VERDES STONE, GRANITE, AND OTHER MATERIALS APPROVED ON A CASE BY CASE BASIS BY THE CITY ENGINEER.
2. CRUSHED BASE SHALL BE SPREAD EVENLY TO PRODUCE A SMOOTH SURFACE WITHOUT DEPRESSIONS.
3. CONCRETE SHALL BE PORTLAND CEMENT CONCRETE, CITY MIX WITH 5.5 SACK AT 2500 PSI.
4. PAVERS SHALL BE IN ACCORDANCE WITH ASTM C 936-96.
5. SURFACE MATERIALS SHALL BE PLACED ON 1" SAND BED ON TOP OF CONCRETE SLAB AND GROUTED IN PLACE.
6. CITY SHALL BE NOTIFIED FOR INSPECTION PRIOR TO PLACEMENT OF CONCRETE TO VERIFY PLACEMENT OF FORMS AND BASE MATERIAL.

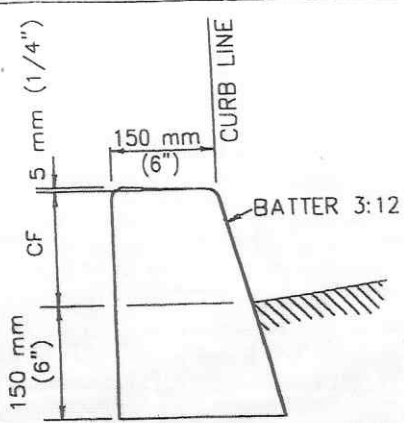
APPROVED BY CITY COUNCIL
DECEMBER 13, 2005

<i>APPROVED FOR CONSTRUCTION</i>	
CITY ENGINEER	RCE NO. C049632
<i>LAST REVISION DATE</i>	
NOVEMBER 9, 2005	

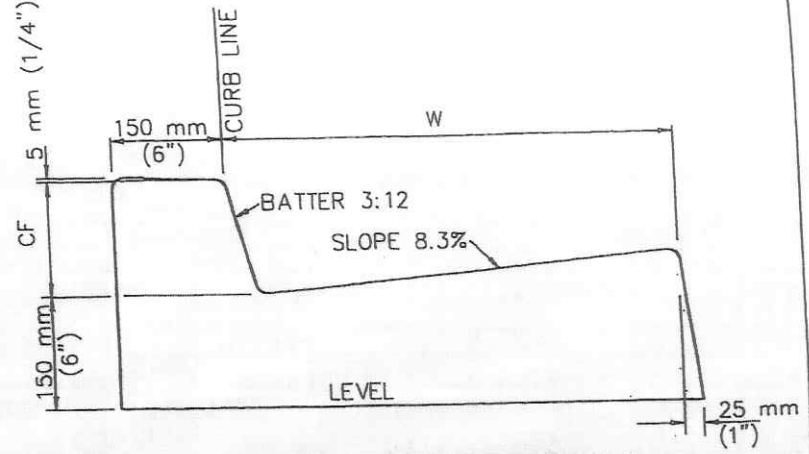
**ALTERNATE DRIVEWAY
PAVING MATERIALS**

City of Palos Verdes Estates

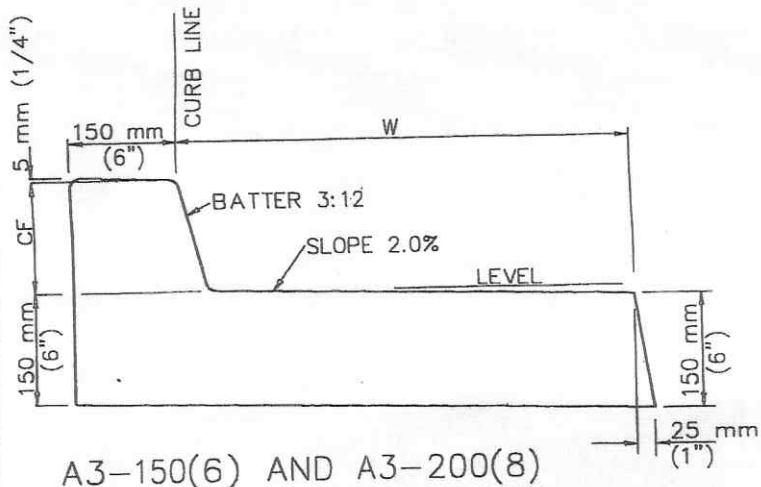
P.V.E. STD. PLAN ST-19



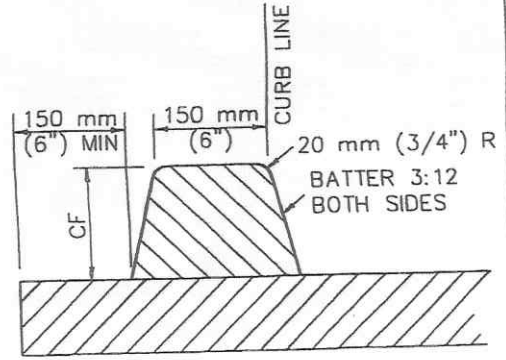
A1-150(6) AND
A1-200(8)



A2-150(6) AND A2-200(8)



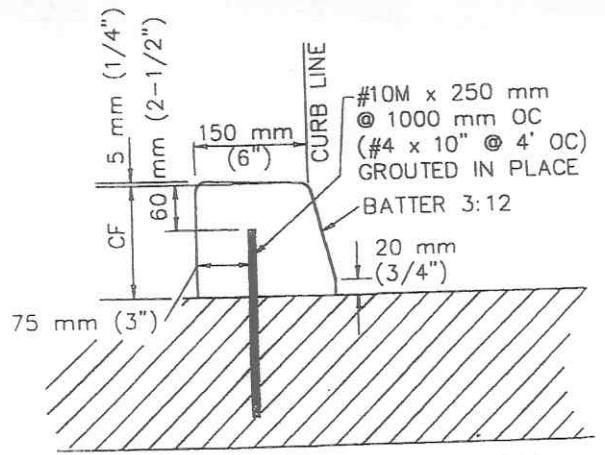
A3-150(6) AND A3-200(8)



D1-150(6) AND
D1-200(8)

NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, mm (INCHES).
2. GUTTER WIDTH, W, IS 600 mm (24") UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND C1 SHALL BE CONSTRUCTED FROM PCC.
4. TYPE D1 CURB SHALL BE CONSTRUCTED FROM ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS SHALL BE ROUNDED WITH A 15 mm (1/2") RADIUS.
7. DIMENSIONS SHOWN ON THIS PLAN FOR METRIC AND ENGLISH UNITS ARE NOT EXACTLY EQUAL VALUES. USE EITHER METRIC OR ENGLISH VALUES, AS REQUIRED, BUT NOT BOTH, EXCEPT THAT ASTM 615 REINFORCING STEEL MAY BE SUBSTITUTED FOR ASTM 615M STEEL.



C1-150(6) AND C1-200(8)

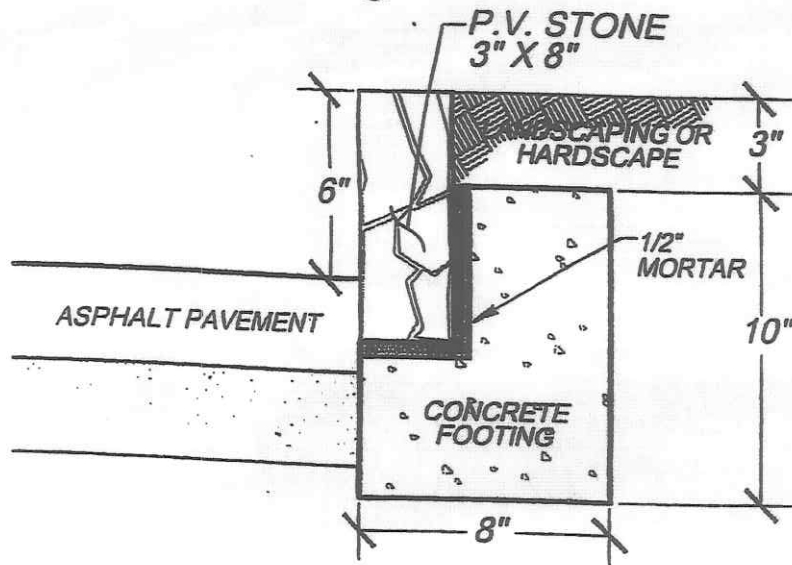
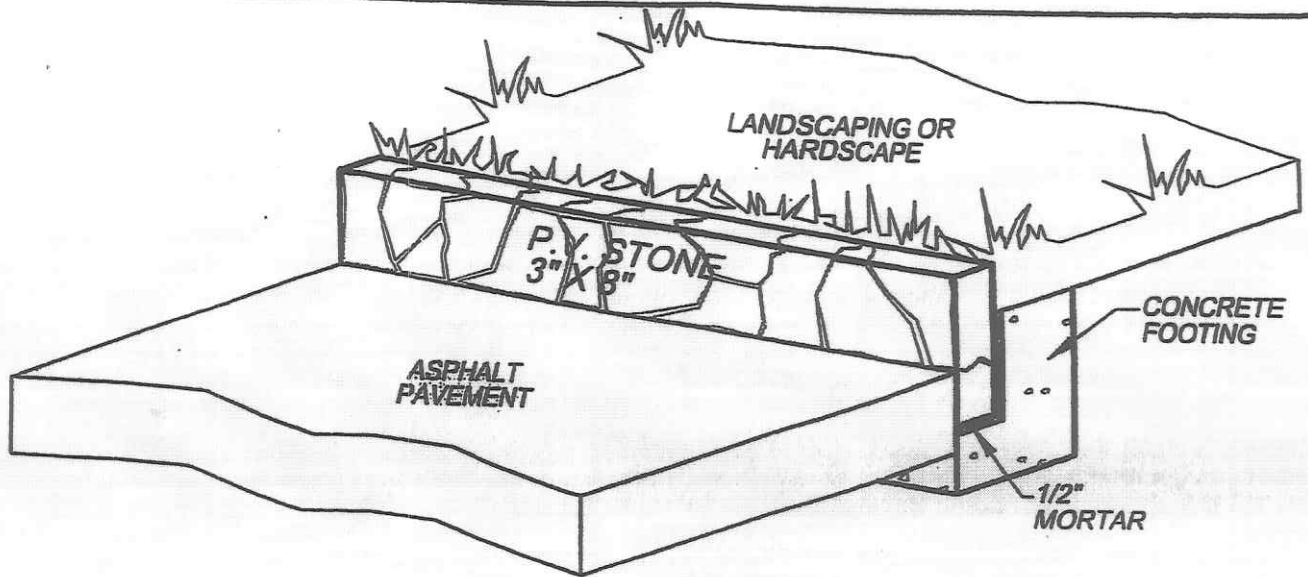
AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV 1996

CURB AND GUTTER — BARRIER

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
METRIC
120 - 1
SHEET 1 OF 1



SECTION VIEW

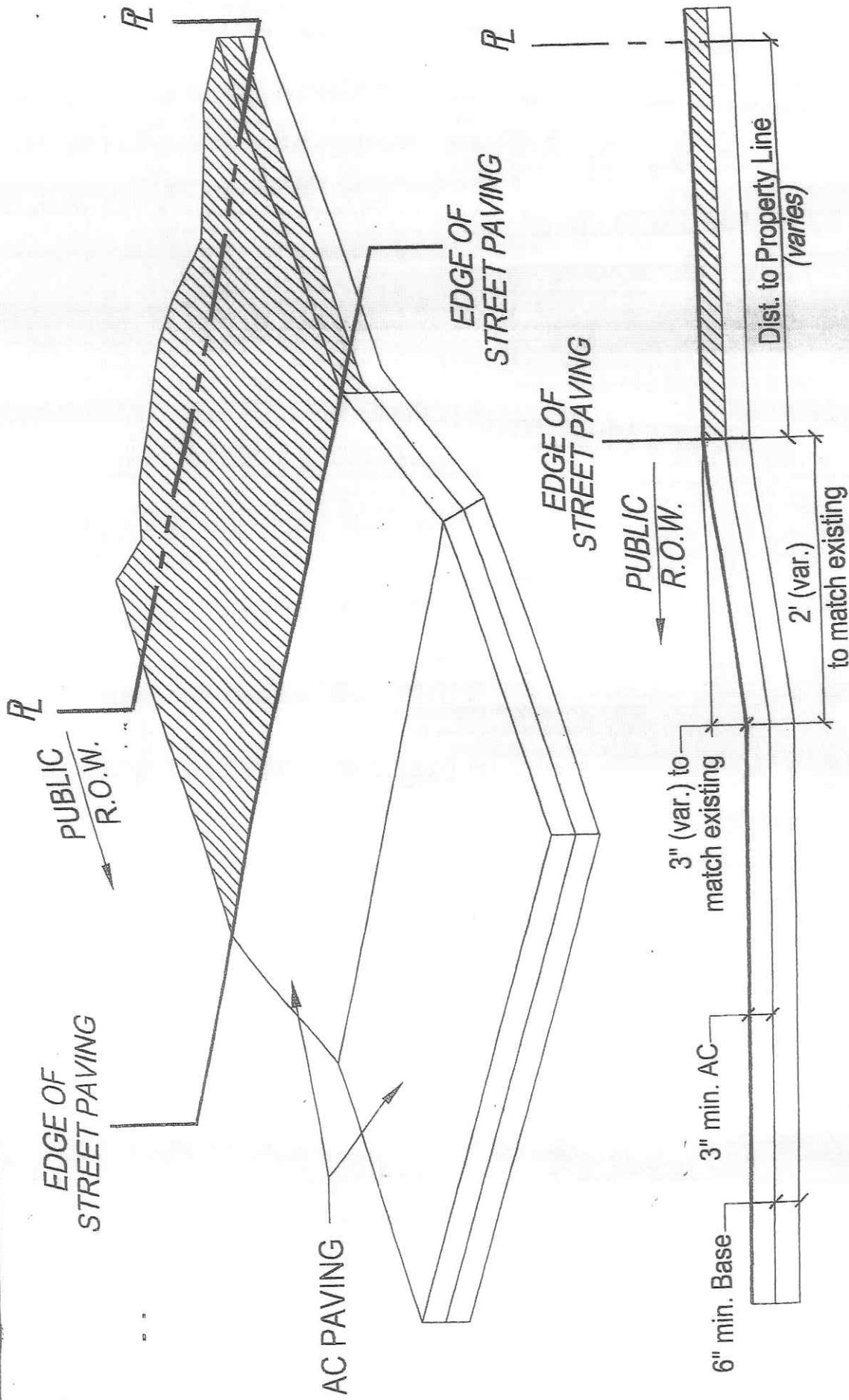
NOTES

1. CURB HEIGHT IS TO BE A MINIMUM OF 6 INCHES.
2. BASE BELOW CONCRETE FOOTING IS TO BE COMPACTED TO A MINIMUM 90% RELATIVE DENSITY.
3. CONCRETE IS TO BE 2,500 PSI (28-DAY STRENGTH).
4. PUBLIC IMPROVEMENTS TO BE INSTALLED PER THE LATEST VERSION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. NO STEEL REINFORCEMENT IS ALLOWED IN PUBLIC PROPERTY.
6. THE FOLLOWING STREETS SHALL USE THIS STANDARD:
VIA ALAMEDA, VIA ANITA, VIA CAPAY, VIA JOSE, VIA LA SELVA (WEST OF VIA COLUSA),
PVDN (UPPER BARREL), VIA PASCUAL, AND LA SELVA PLACE.
7. EXPANSION JOINTS SHALL BE PROVIDED AT 30 FT. OR LESS INTERVALS,
AND WEAKENED JOINTS AT 15 FT. INTERVALS.
8. FOR BASE AND SUB-BASE, SEE P.V.E. STANDARD PLAN ST-II.
9. ASPHALT PATCH (FOR EXCAVATION) IS TO BE A MINIMUM OF 12 INCHES.

APPROVED BY CITY COUNCIL
SEPTEMBER 28, 1993

APPROVED FOR CONSTRUCTION	
CITY ENGINEER	RCE NO. C049632
LAST REVISION DATE	
APRIL 28, 2000	

VALMONTE
P.V. STONE CURB
CITY OF PALOS VERDES ESTATES
P.V.E. STD. PLAN ST-29

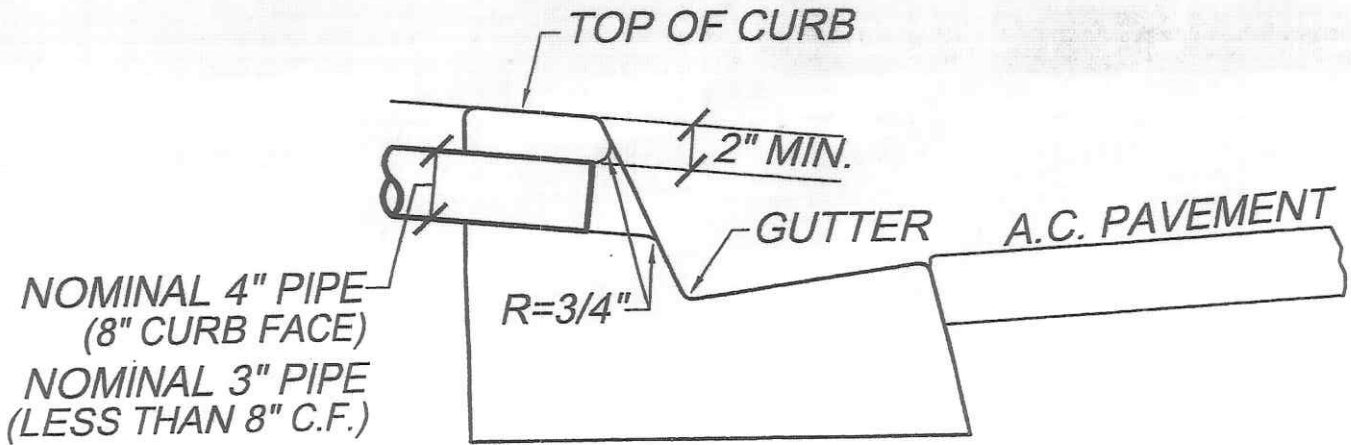


SECTION VIEW
NTS

CONSTRUCTION NOTES

- Public improvements to be installed per the latest version of Standard Specifications for Public Works construction.
- For base and sub-base, see PVE Standard Plan ST-11.

APPROVED FOR CONSTRUCTION		HOLLYWOOD BERM	
CITY ENGINEER		CITY OF PALOS VERDES ESTATES	
RCE NO. C049532		P.V.E. STD. PLAN	
LAST REVISION DATE		ST-30	
MAY 15, 2000			



NOTES

1. IF A GREATER VOLUME OF WATER FLOW IS DESIRED, EITHER:
 - A) SUBSTITUTE OVAL TRANSITE PIPE FOR THE ROUND PIPE; THE VERTICAL HEIGHT OF THE OVAL PIPE SHALL NOT EXCEED FOUR (4) INCHES; OR,
 - B) CONSTRUCT A MODIFIED NUMBER 12 BOX CULVERT.
2. IF A PIPE DRAIN IS INSTALLED THROUGH A CURB WITH LESS THAN A NOMINAL EIGHT (8) INCH FACE, THE FLOW LINE OF THE PIPE SHALL BE AT THE SAME ELEVATION AS THE FLOW LINE OF THE GUTTER. SUCH PIPE SHALL NOT EXCEED THREE (3) INCH NOMINAL DIAMETER.
3. COUNTY CLASS "B" (5 1/2 SACK/YD., 3/4" MAXIMUM AGGREGATE), CONCRETE SHALL BE USED FOR REPOURING THE CURB
4. FOR INSPECTION CALL DEPARTMENT OF PUBLIC WORKS AT 310-378-0383.
5. PIPE SHALL BE CAST IRON PIPE, DUCTILE IRON PIPE, OR PVC PIPE (SDR 35 OR SCHEDULE 40 MINIMUM STRENGTH).

APPROVED FOR CONSTRUCTION		STANDARD CURB DRAIN CITY OF PALOS VERDES ESTATES P.V.E. STD. PLAN ST-40
CITY ENGINEER	RCE NO. C049632	
LAST REVISION DATE		
MAY 15, 2000		

1

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED –
STATE OR POLITICAL SUBDIVISIONS - PERMIT**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

S A M P L E
SCHEDULE

2

State Or Political Subdivision:

The City of Palos Verdes Estates, its officers, agents and employees, are named as additional insureds.

Section II – Who Is An Insured is amended to include as an insured any state or political subdivision shown in the Schedule, subject to the following provisions:

- 1. This insurance applies only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.
- 2. This insurance does not apply to:
 - a. "Bodily injury," "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
 - b. "Bodily injury" or "property damage" included within the "products-completed operations hazard".

Any other insurance maintained by the **City of Palos Verdes Estates** shall be excess and not contributing with the insurance provided by this policy.

Said policy shall not terminate, nor shall it be canceled nor the coverage reduced, until thirty (30) days after written notice to City.

3

CG 20 12 07 98 (Used for State or Political Subdivisions)

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S A M P L E