



CITY OF LOMPOC
DEVELOPMENT ASSISTANCE
BROCHURE

E-60

GENERAL PUBLIC IMPROVEMENT NOTES

Trench Excavation - Within Existing Roadway

1. All cuts into existing asphalt shall be along neat, continuous, sawed, or wheel-cut lines.
2. The Developer shall obtain a permit from the Department of Industrial Relations Division of Occupational Safety and Health (CAL-OSHA) when trench excavations exceed 5'-0". Contact CAL-OSHA at (818) 901-5403 (Health and Safety Code 17922.5).
3. Pavement edges cracked or broken along the trench line by the Developer's operations shall be sawn at removal lines determined by the Public Works Inspector. Existing pavement join lines shall be neatly saw cut immediately prior to the paving operation.
4. In all cases where soil conditions are favorable trench excavation shall be vertical.
5. Trench excavation shall be immediately removed from project location. At no time, unless directed by the Public Works Inspector, shall trench excavation be allowed to remain within street or alley right-of-way.
6. Trench backfill from one-foot above utility to subgrade shall be one-sack cement slurry. Slurry cement backfill shall conform to the provisions in Subsection 19-3.062, "Slurry Cement Backfill," of the Caltrans Standard Specifications and these plans.
7. A temporary cold mix patch must be placed immediately after trench backfill and compaction if that pavement is open to traffic. Asphalt concrete cold mix shall be Type SC-800.
8. The temporary patch shall be replaced with at least 6 inches of compacted Asphalt Concrete Pavement. Compaction shall be 95 percent (minimum) of maximum density.
9. Asphalt Concrete shall conform to the requirements of Section 39, "Asphalt Concrete," of the Caltrans Standard Specifications, and these plans.
10. Asphalts used as binder for asphalt concrete pavement shall conform to Subsection 39-2.01, "Asphalts," and Section 92, "Asphalts," of the Caltrans Standard Specifications. The grade of asphalt binder to be mixed with aggregate shall be PG 64-10.
11. Asphalt concrete for trench resurfacing shall be Type B, ½-inch maximum, medium, grading.

12. Prior to spreading asphalt concrete a Paint Binder (tack coat) shall be applied to existing asphalt concrete and vertical surfaces to be joined and shall be SS-1.
13. The area to which tack coat has been applied shall be closed to public traffic. Care shall be taken to avoid tracking tack coat material onto existing pavement surfaces beyond the limits of construction.

Water

1. City Water Division personal will operate all gate valves necessary for shutdown of existing public waterlines. The Developer shall notify the Water Superintendent and Public Works Inspector at least 3-days prior to any required shutdown. The Developer will be responsible for providing a minimum 48 hours advance written notice to effected customers prior to water shutdown.
2. Connections to the existing waterline shall be done only after the Developer has obtained bacteriological clearance and only in the presence of the City Public Works Inspector or authorized representative, is present.
3. High-chlorinated water used to disinfect new water mains shall be dechlorinated before flushing into the environment in the presence of the City Public Works Inspector or City Water Division.
4. The City Water Division will monitor all waterline flushing and dechlorination. All testing and samples taken for Chlorine Residual, Pipeline Disinfect ion i.e. Bacteriological and other tests as required will be taken by the City Water Division. All costs associated with the this mentioned monitoring, testing and sampling will be on a time and materials basis paid for by the Developer.
5. The Developer in accordance with City Standard Specifications shall perform all connections to City water system.
6. After all water fees have been paid, the owner / customer shall schedule for the installation of water meter(s) by signing up for water service at the Utility Billing Department located at Lompoc City Hall, 100 Civic Center Plaza. Before water meter(s) will be set for the project the address shall be clearly posted on site.
7. Water Meters will remain locked-off until all required backflow devices have been installed and tested, and after test forms have been turned in to the Water Treatment Plant at 601 East North Avenue.
8. On developments with multiple water meters the Developer shall clearly mark on top of each water meter box (with washable paint) the address of the unit it will serve. The Water Division shall be contacted to verify water meter address(es) before the Water Division issues an approval for occupancy.

Sanitary Sewer

1. Connections to the existing sanitary sewer shall be done only in the presence of the City Public Works Inspector or authorized representative.
2. The Developer shall maintain a record of the locations of all sanitary sewer laterals, trees and stub-

outs. This record shall be delivered to the Developer's engineer, and plotted on the required "Record Drawings."

Streets (Public & Private)

1. Street Asphalt Pavement Structural Section:

	(Area #1)	(Area #2)	(Area #3)
Traffic Index (TI):	_____	_____	_____
"R" Value:	_____	_____	_____
A.C. Pavement Section:	_____ ft.	_____ ft.	_____ ft.
Class 2 A.B. Section:	_____ ft.	_____ ft.	_____ ft.

R-value samples shall be obtained and tested at the completion of rough grading. Samples shall be taken every 300 feet along the length of each street at locations approved by the Public Works Inspector. No fewer than two (2) R-value samples shall be taken for determining any pavement section. R-value test results with confirmed or revised pavement section recommendations shall be submitted to the City Engineer for final approval prior to finish grading.

2. Asphalt Concrete – Asphalt Concrete shall conform to the provisions in Section 39, "Asphalt Concrete," of the Caltrans Standard Specifications, the plans and these specifications.
3. Section 39-1.01, "Description," of the Caltrans Standard Specifications is amended by deleting the first paragraph and replacing with the following:
 This work shall consist of furnishing and mixing aggregate and asphalt binder at a central mixing plant; applying paint binder (tack coat) to existing asphalt concrete and vertical surfaces to be joined; leveling courses; spreading and compacting the mixture as shown on the Plans.
4. In lieu of the requirements for California Test 205 "Percentage of Crushed Particles" in Section 39-2.02 of the Caltrans Standard Specifications, the following shall be required:

	Asphalt Concrete
	<u>Type A</u>
Coarse Aggregate (Min)	80%

5. Asphalt concrete shall be constructed to the form and dimensions where indicated on the Plans and to the grades shown on the Plans.
6. 6.5 Percent Bitumen Ratio - In accordance with Paragraph 5 of Section 39-3.03, "Proportioning," of the Caltrans Standard Specifications, the amount of asphalt binder specified to be mixed with the aggregate shall be 6.5 percent for ½-inch aggregate, and 6.0 percent for ¾ - inch aggregate, by weight of the dry aggregate.
7. Asphalts used as binder for asphalt concrete pavement shall conform to Section 39-2.01, "Asphalts," and Section 92, "Asphalts," of the Caltrans Standard Specifications. The grade of asphalt binder to be mixed with aggregate shall be PG 64-10.
8. Asphalt concrete, except level course, shall be Type A, ¾ inch maximum, medium, grading.

9. Asphalt concrete level course shall be Type A, ½-inch maximum, medium grading.
10. A Prime Coat shall be applied to the aggregate subgrade immediately prior to placing asphalt concrete in conformance with Section 39 of the Caltrans Standard Specifications.
11. Paint Binder (tack coat) shall be applied to existing asphalt concrete and vertical surfaces to be joined immediately prior to placing asphalt concrete in conformance with Caltrans Standard Specifications and shall be SS-1.
12. The area to which paint binder has been applied shall be closed to public traffic. Care shall be taken to avoid tracking binder material onto existing pavement surfaces beyond the limits of construction.
13. Asphalt concrete shall be applied and spread in accordance with the following:
 - a. Paving asphalt shall be applied at a temperature of not less than 140°C (284°F) nor more than 175°C (347°F).
 - b. Asphalt concrete shall be spread with a self-propelled spreader ready for compaction without further shaping.
 - c. The completed surfacing shall be true to grade and cross section, of uniform smoothness and texture, compacted firmly and free from depressions, humps or irregularities.
14. Asphalt Concrete Compaction:
 - a. In-place density and relative compaction of asphalt concrete pavement will be determined by California Test 375, excepting Part 2.
 - b. Asphalt concrete shall be compacted to a relative compaction of not less than 95 percent of the laboratory maximum density as determined by California Test 375.
 - c. Asphalt Concrete shall be inspected and tested by a qualified independent testing laboratory engaged and paid for by the Developer.
 - d. Copies of any test reports, data or other information relating to tests conducted by said laboratory shall be mailed simultaneously to the Public Works Inspector when said report, data or other information are mailed or delivered to the Developer.
15. A Fog Seal Coat shall be applied to all new asphalt street surfaces (both public and private) prior to final acceptance of the improvements by the Public Works Inspector, in conformance with Section 37, Subsection 37-1, of the Caltrans Standard Specifications.