

STANDARD NOTES

GENERAL

1. All work done shall conform to the following standards and specifications, latest revisions. In case of conflict, the document of highest precedence shall control. The standards and specifications in order of precedence are:
 - A. City of Cypress Standard Plans.
 - B. Orange County Sanitation District (OCSD) Standard Specifications and Standard Drawings.
 - C. Standard Plans for Public Works Construction (APWA Standard Plans), prepared by the Southern California Chapters of the APWA and Associated General Contractors of America, as modified by City Standard Plan No. 50.
 - D. The following portions of the State of California, Department of Transportation (CalTrans) Standard Specifications: Section 12, Construction Area Traffic Control Devices; Section 84, Traffic Stripes and Pavement Markings; Section 85, Pavement Markers; and Section 86, Signals, Lighting, and Electrical Systems. Traffic signal and traffic striping/pavement marker portions of the CalTrans Standard Plans.
 - E. Standard Specifications for Public Works Construction, prepared by the Southern California Chapters of the APWA and Associated General Contractors of America (Green Book).
2. City of Cypress Standard Plans and APWA Standard Plans shall be on the job site at time of construction.
3. The existence and location of utility structures and facilities are shown on the plans or in the special provisions according to the records and information available. Attention is called to the possible existence of other utility facilities or structures not known to the City or in a location different from that shown. The contractor is required to ascertain the location of all underground utility structures and facilities prior to doing work that may damage such structures and facilities, including those not shown, or interfere with their service, and to take such precautionary measures in the course of said work to prevent such damage or interference.
4. All construction in dedicated Rights of Way shall be covered by a City of Cypress Public Works permit. Public Works Inspector shall be notified forty-eight (48) hours in advance of such work.
5. The methods and procedures for barricading and channelization during construction shall conform to the CalTrans Manual of Traffic Controls for Construction and Maintenance Work Zones, latest edition. Arrow Boards are required for all lane closures on arterial streets. Work hours on arterial streets shall be between 9 am and 3:30 pm.
6. Contractor shall notify Underground Service Alert at 1-800-422-4133 a minimum of 48 hours prior to start of excavation. The USA ticket number shall be available at the construction site.
7. In accordance with City Ordinance No. 970, there is a moratorium on the issuance of street cut permits for streets that have been constructed or resurfaced within the past three years, excepting emergency repairs and service connections for new developments. City Council may authorize discretionary permits under certain specific circumstances. Contact the Engineering Division at (714) 229-6741 to determine the status of any street.

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8. All elevations shall be based on Orange County Surveyor's bench marks.
9. All monuments shall be set and centerline ties submitted to the City Engineer prior to acceptance of improvements. Disturbed monuments shall be reset per OCEMA/PFRD Standard Plans 1405 or 1406.
10. Ninety-five percent (95%) relative compaction is required in all subgrade and base material for arterial streets, and ninety percent (90%) relative compaction is required for all other streets and paving areas.
11. Backfill in roadway shall be ¾" max. crushed aggregate base (CAB), crushed miscellaneous base (CMB) conforming to Cal Trans Class II specifications for aggregate, or one sack cement/sand slurry. Native granular material with a sand equivalent not less than 30 may be used, if certified by a soils engineer and approved by the City Engineer in advance.
12. All edges of removals of portland cement concrete and asphalt concrete at joins shall be made by saw cutting and shall conform to the provisions of Section 300-1.3 of the Standard Specifications. Sawcutting shall be made in neat straight lines and at right angles. If a sawcut edge becomes damaged prior to paving, it shall be re-sawcut to a neat straight line in accordance with the above.
13. Existing traffic regulatory and warning signs in the construction area shall be salvaged and turned in to the City Maintenance Yard at 5285 Cypress St.
14. Edison owned street lights shall be installed per SCE requirements.
15. All water line construction shall be in accordance with Southern California Water Company Standards and Specifications, and with the City of Cypress Standards. All water mains shall have 36" minimum cover. Concrete thrust blocks shall be installed at all bends in the system or a recommended by the City Engineer.
16. Soil in planting areas, including trees, shall be tested by a qualified agricultural laboratory to determine the organic and chemical amendments for optimum growth for the plants specified. The test results shall include concentration of nitrogen, phosphorus, potassium, pH, salinity, sodium status and boron saturation extract. Results of these tests, with recommendations of the agricultural laboratory, shall be furnished to the Public Works Department for approval at least 30 days prior to planting date.
17. As-built record drawings shall be submitted to the City Engineer prior to final acceptance of the work by the City.
18. All requirements of the latest Federal Americans with Disabilities Act (ADA) and State of California Title 24 Accessibility Regulations shall be satisfied.


ASPHALT CONCRETE NOTES

1. Street section may be determined by soil test, provided by the subdivider's engineer, after streets have been rough graded, per the approval of the City Engineer. Plans must be revised to show actual section to be constructed.

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2. All utilities shall be underground and shall be installed prior to paving.
3. Asphalt concrete shall be ¾" Type III B2-AR-4000 for base course, and ½" Type III C3-AR-4000 for finish course per Section 400-4 of the Standard Specifications. Asphalt concrete shall additionally conform to the provisions of Section 203-6, "Asphalt Concrete" of the Standard Specifications for Public Works Construction. The viscosity grade of paving asphalt shall be AR-4000 and shall conform to Section 203.1, "Paving Asphalt" of the Standard Specifications for Public Works Construction. Asphalt concrete class and viscosity grade shall be as specified above or as directed by the City Engineer. Tack coat shall be AR 4000 hot tack.
4. Pipe bedding shall be in accordance with Section 306-1.2 of the Standard Specifications.
5. After A.C. Paving has been open to traffic for a period of not less than 48 hours, a seal coat consisting of asphaltic emulsion shall be applied.
6. Prior to application for acceptance of street improvements by the City of Cypress, all water valve covers shall be raised to grade per Southern California Water Co. standards.
7. The developer shall be responsible for all street striping changes required as a consequence of the improvements of abutting streets. Traffic stripes and pavement markings shall be removed by sandblasting. Scheduling of work shall be coordinated with City Engineer prior to beginning of construction.
8. All sewer and storm drain manholes shall be left one (1) foot minimum below finish street grade and covered with a 3/16" steel plate. After street section has been constructed per plan, it shall be the responsibility of the sewer or storm drain contractor to remove the pavement around the steel plate and raise the manholes per City Std. Plan No. 314.

CONCRETE NOTES

1. All concrete in Public Right of Way shall be 560-C-3250.
2. No sidewalks shall be poured until tract plot plan showing exact locations of driveways and treewells is approved by the City Engineer.
3. Prior to application of seal coat on streets or installation of landscaping, all gutters shall be cleaned and water tested for ponding. All high and low points shall be reconstructed to satisfaction of the City Engineer before acceptance by City.
4. In lieu of using "quick-joint" or other approved joint material in PCC sidewalks, driveways, other flatwork and curbs and gutters, the contractor may sawcut such joint to depth of one fourth (1/4) the thickness of the concrete.
5. Remove 1' wide AC strip adjacent to concrete improvements for the purposes of forming and replace with full depth AC.

SEWER NOTES

1. Sewer systems shall be constructed in accordance with the Standard Drawings and Specifications of the Orange County Sanitation District and City of Cypress Standards.

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2. The Contractor shall verify the existing flowline elevations prior to construction. All sewer construction shall proceed from downstream end to the upstream terminus. Any change in grade shall be approved in advance by the City Engineer.
3. House connections shall not be constructed under concrete driveways.
4. All sewer laterals shall be 4" minimum V.C.P. constructed as per OCSD Standard Plans S-070, S-071 and S-072.
5. Use "Wedge Lock" joints or equal in all vitrified clay pipes.
6. All sanitary sewer manholes shall be constructed per OCSD Standard Plan S-050, without PVC liner. Manhole frame and cover shall be per OCSD Standard Plan S-053, and lettered "SEWER". 24" manhole frame and cover shall be Alhambra Foundry #1270 or approved equal (Total weight 440 Lbs). Frame and cover for sidewalk and parkway areas shall be Alhambra Foundry #A1531(GALV.) or approved equal. All concrete shall be 560-C-3250.
7. The installation of sanitary sewer laterals shall include marking a legible "S", chiseled on the face of the curb, where the lateral crosses the curb line.
8. All sewer laterals shall be plugged back of property line until the sewage system has been tested and accepted by the City of Cypress. **NO SEWER LATERALS SHALL BE CONNECTED TO ON-SITE PLUMBING UNTIL SEWAGE SYSTEM IS ACCEPTED BY THE CITY OF CYPRESS.**
9. After backfilling and compaction, all sewer mains shall be tested for leakage by air test, and after completion of all street work, shall be cleaned and tested with a rubber ball, all in accordance with OCSD specifications.
10. Before final inspection of work, City of Cypress shall be furnished with a set of blue line prints showing location of all sewer connections as constructed.

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