



STREET IMPROVEMENT PLANS NOTES

CITY OF ORANGE
PUBLIC WORKS DEPARTMENT

JULY 2019

1. All work shall conform to the latest edition of the City of Orange Standard Plans, and the Standard Specifications for Public Works Construction (Green Book).
2. Contractor shall notify the City Inspectors (714-744-5526) and all other interested parties and arrange for a preconstruction meeting 48 hours prior to the beginning of construction.
3. At least two (2) working days prior to commencing construction, the contractor shall contact the Regional Notification Center (Underground Service Alert of Southern California—U.S.A. at 811 or 1-800-422-4133) to obtain an inquiry identification number and to request the utility owners to mark or otherwise indicate the location of their subsurface facilities. The contractor shall determine the location and depth of all utilities, including all service connections, which have been marked by the respective owners and which may affect or be affected by its operations. The contractor shall take all necessary measures to protect all utilities and all structures found at the site. Contractor shall notify the City of any utility conflicts prior to proceeding with work.
4. Contractor shall obtain all necessary permits including encroachment permit, business license, and transportation permit prior to beginning work.
5. Throughout all phases of construction, including suspension of work, until final acceptance of the project, all surplus materials shall be removed from the site of the work immediately after completion of the work causing the surplus materials. Unless the construction dictates otherwise, and unless otherwise approved by the Engineer, the Contractor shall furnish and operate a self-loading motor sweeper with spray nozzles at least once each working day to keep paved areas acceptably clean whenever construction, including restoration, is incomplete.
6. The developer's engineer shall keep a strict record of all changes and submit this record to the City of Orange Public Works Department. Certified Record Drawings shall be provided to the City of Orange by the developer's engineer before the release for occupancy will be issued.
7. All damage caused to public streets, including haul routes, alleys, sidewalks, curbs or street furnishings, or to private property shall be repaired at the sole expense of the contractor to the City's satisfaction.
8. The contractor shall remove and replace any existing broken or damaged sidewalk, curb, gutter or asphalt paving (patch, repair or overlay) and upgrade the alley adjacent to the property to current City standards as directed by the City Inspector.
9. Sawcutting of existing pavement shall be to a clean straight edge as directed by the City Inspector.
10. Pavement removal and replacement shall be in conformance with the City of Orange Standards and Specifications. Compaction efforts shall not disturb adjacent street structural section. Contractor shall be responsible for any such damage.
11. All underground sewer, storm drain, and water pipelines, electric power, telephone or cable TV conduits and cable and gas pipelines shall be installed prior to construction of curbs, gutters, sidewalks and pavement.
12. Where joining an existing pavement, removal of the existing pavement shall be as directed by the City inspector to provide proper grade and crossfall.
13. Stations shown on street improvement drawings are along centerline of street.
14. All manhole rims, lids, valve boxes and other street appurtenances shall be set to finish grade by the contractor as part of this project in conformance with City of Orange standards and specifications.

15. Street lights, street name signs and traffic signs shall be installed by the contractor in accordance with the City Standards and subject to the approval of the Director of Public Works. At every intersection with a sidewalk, construct ADA compliant Sidewalk Access Ramp per City Standard Plan No. 121 at each curb return for people with disabilities.
16. Prior to the start of construction, the Contractor's licensed Land Surveyor or qualified Civil Engineer shall locate all monuments (both of record and not of record), bench marks, and centerline ties within the construction zone, i.e., within one hundred feet of the construction activity. Additional ties to monuments shall be set when ties are missing (min. 4 ties per monument). The Contractor's Surveyor or qualified Civil Engineer shall prepare and submit for review to the City Engineer separate tie sheets and Corner Record sheets (monuments not of record shall have only tie sheets prepared). Upon review by the City Engineer, the Land Surveyor shall file the Corner Records with the County of Orange Land Surveyor's Office. Certified Corner Records shall be filed with the City Engineer of the City of Orange.
17. After construction and prior to final acceptance by the City of the construction project, the Contractor's land surveyor or qualified Civil Engineer shall re-survey all field monuments and centerline ties within the construction zone, prepare tie sheets and Corner Record sheets as indicated above, and file them with the City Engineer for review. After review by the City Engineer the Land Surveyor shall file the Corner Records with the County Land Surveyors Office, and file certified copies of the Corner Records with the City Engineer.
18. The contractor is required to protect all existing survey monumentation during grading and all subsequent construction. All survey monuments removed or altered as a result of construction shall be reset, Corner Records filed with the County of Orange Land Surveyor's Office, and approved final Corner Records filed with the City Engineer. Centerline ties removed as a result of construction shall be reset and tie sheets filed with the City Engineer.
19. The Land Surveyor shall provide a letter of certification for all monuments having four or more existing ties which are within 0.02 ft plus or minus of the original City tie sheet records. When several monuments and ties appear on one tie sheet and one of the ties has changed the Land Surveyor shall re-measure all of the ties and re-file a new tie sheet with the City as required herein.
20. County of Orange permanent and temporary bench marks within the construction zone shall be located by survey, and the Contractor's Land Surveyor shall send a written notification of impending construction to the County of Orange Land Surveyor's Office two weeks prior to construction.