

1. All work shall conform to:
  - a. The current standard specifications for Public Works construction and all "standard plans" and "special provisions" referenced
  - b. All sections of the current Lancaster Landscape and Irrigation Design Standards, Part B Irrigation and Landscaping Materials and Installation
  - c. The Lancaster Water Efficient Landscape Ordinance No. 907
2. All work in the public right-of-way shall be per the current City of Lancaster standards, policies, codes, and permit requirements, and shall be done under the inspection of, and to the satisfaction of the Senior Director - Development Services or his representative. Application for inspection by the City of Lancaster shall be made by the contractor at least twenty-four (24) hours before the services thereof will be required. Phone (661) 723-6157.
3. Work in public streets, once begun, shall be prosecuted to completion without delay so as to provide minimum inconvenience to adjacent property owners and to the traveling public. Failure to comply with this requirement is a violation of the City of Lancaster Highway Permit Ordinance.
4. Permits, right-of-entry, dedications, trespassing and extensions:
  - a. An encroachment permit shall be obtained from the City of Lancaster Capital Engineering Division prior to start of work.
  - b. A preconstruction meeting with the City Public Works Inspector is required prior to start of work.
  - c. Right of Entry for any work performed on adjacent properties is required. Permission for Right of Entry shall be obtained in writing and the letter shall comply with City form DPW0008. The Right of Entry Letter must be signed by the adjacent property owner(s) and must be notarized. This is required even if the owner of the impacted property is the Permittee of the subject project.
  - d. Dedications and Road Deeds are required for improvements to be installed within City right-of-way. Dedication and Road Deed documents shall comply with City standards. Prior to recordation, dedication and road deed documents must be submitted to the City for review and approval. These documents are required even if the owner of the impacted property is the Permittee subject project.
  - e. Approval of plans and / or permit issuance does not relieve the permittee of their responsibility to maintain work within the project property boundaries and dedicated City right-of-way. Trespassing on Private property is against the law and cause for cancellation of permit and issuance of Stop Work notice.
  - f. It is the responsibility of the permittee to submit a request for permit extension to the Senior Director - Development Services in writing prior to permit expiration. Extension and expiration of permits shall be in accordance with the Uniform Building Code and /or the City of Lancaster Engineering Design Guidelines Policies and Procedures.
  - g. All work shall be performed by a licensed Landscape Contractor.

5. No slope in planter areas shall exceed 5:1 or 20%. Minimum grade within landscaped areas shall be 2%.
6. Landscaped areas shall be irrigated by an automatic system with separate stations for each hydrozone; plant groupings must be installed by hydrozone.
7. Irrigation systems shall be equipped with SMART controllers. Controller shall be Calsense ET 2000E (# of stations)-LR-RRE. Calsense flowmeter with Spears DS100 Connectors and DS300 Sealant or equivalent. Contact Calsense product representative at (760) 580-9428 for project specific requirements.
8. A separate power meter pedestal is required for irrigation control in any City Landscape Maintenance District including Medians.
9. Dust shall be controlled as specified in the dust control method letter, AVAQMD approved plans and/or by watering to the satisfaction of the Senior Director - Development Services.
10. The Contractor's attention is directed to Part B, Section A.10 of the Lancaster Landscape and Irrigation Design Standards in regards to Contractor Responsibilities:
  - a. It is the responsibility of the Contractor to familiarize himself with all grade differences, location of walls, and utilities. The Contractor shall repair or replace all items damaged by its work. Contractor shall coordinate its work with other contractors for the location and installation of pipe sleeves and laterals under roadways and paving, etc.
  - b. Contractor shall be responsible for locating and staking all sewer, utility, and water main lines prior to beginning work. Contractor shall be responsible for any damage or replacement of said utilities. Any digging in areas where public type utility substructures may exist requires an Underground Service Alert (USA). The alert must be obtained at least forty-eight (48) hours prior to digging. USA's telephone number is (800) 422-4133. This will allow such utilities to mark their facilities to minimize interference and disruption of service.
  - c. Contractor shall not willfully install the irrigation system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences, or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner. In the event this notification is not performed, the Contractor shall assume full responsibility for any revisions necessary.
  - d. The intent of the design is to provide adequate water coverage to plant material to insure survival. As part of the scope of work, Contractor shall provide any additional heads, special nozzles, or patterns to achieve proper coverage with a minimum of overspray, at no additional cost to the owner.
  - e. After all new sprinkler pipelines and risers are in place and connected, all necessary diversion has been completed, and prior to installation of sprinkler heads, the control valves shall be opened and a full head of water used to flush out the system.
11. All asphalt concrete paving and aggregate base shall be completely removed from median planter areas prior to installation of median landscaping.
12. All plant materials shall be from the approved Lancaster Plant List or City approved exception, see General Note 20.
13. When connecting irrigation system to recycled water service:

- a. Use purple-colored PVC pipe or purple poly wrap pipe with continuous wording: “caution – recycled water” printed on opposite sides of the pipe; pipe shall be laid with wording facing upwards.
- b. Pipelines markers should be provided in the following areas:
  - i. At blowoffs
  - ii. At buried access manways
  - iii. At both sides of major and minor crossings
  - iv. At special locations of other buried appurtenances
  - v. At angle points
  - vi. Every 300 m (1,000 ft) otherwise

The markers should be plastic (Carsonite or equal). Markers should be stamped with the LMD Number. If markers are likely to be buried, the markers should be metal monument-type markers. Markers shall be placed in a clearly visible area, as appropriate, such that any recycled water facility shall be easily identifiable.

- c. Identification for recycled water applies to all pipes including mainlines and laterals. Quick coupling valves shall have purple lids. All valves must be installed in purple valve boxes or concrete boxes with a purple rim, each marked by “Recycled Water – Do Not Drink”. Where pipe sleeves are used, either the sleeves or interior pipe must be identified as recycled water. Identification tape or purple color pipe is permitted on the sleeve. Purple color pipe is permitted for the interior pipe (tape is not allowed on the interior pipe).
- d. Warning tags shall be installed on all recycled water system equipment, such as exposed piping, meters, valves, etc.
- e. Horizontal Separation – Maintain a minimum 3 m (10 ft) horizontal separation between buried pressurized recycled water piping and buried potable water piping unless otherwise noted. If a 3 m (10 ft) horizontal separation is not practical, a separation of at least 1 m (4 ft) may be allowed subject to one of the following requirements:
  - i. Solvent-welded PVC pipe for recycled water system.
  - ii. Restrained joint PVC pipe for recycled and potable water systems.
  - iii. Restrained joint ductile iron pipe for recycled water system.
  - iv. Soldered copper pipe for recycled water system.
  - v. Sleeve potable water pipe.
  - vi. Sleeve recycled water pipe.

In no case is a horizontal separation of less than 4 feet (1 m) or construction in the same trench as potable water facilities allowed.

- f. Vertical separation – At pipe crossings, buried pressurized recycled water piping must be 300 mm (12 inches) below potable water lines. Pressurized recycled water lines are allowed over potable water pipelines with a minimum of 300 mm (12 inches) vertical separation if a full standard pipe length is centered over the crossing, or the recycled water pipeline is installed in a pipe sleeve which extends a minimum of 3 m (10 ft) on either side of the potable water piping. Intermittently pressurized recycled water laterals may be located a minimum of 300 mm (12 inches) above potable water pipelines without sleeving.



within two years of the latest approval date (one year for non-subdivisions). If construction is interrupted for a period of one year or more, the plans shall be deemed abandoned. Abandoned plans shall be re-submitted for review and all fees shall be paid in accordance with the City's Abandoned Plans policy prior to any permits being issued.

23. All work shall comply with the City of Lancaster Holiday Moratorium Policy. No excavation or work shall occur within the public right-of-way on Primary Arterials, Secondary Arterials, and Collector Streets between November 15th to January 2nd, except work pertaining to public safety or with the written permission of the City Manager. Work commenced prior to the restriction period must be in such a condition that it will be resurfaced prior to November 15th.