

SECTION 13 - EXISTING FACILITIES
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SECTION 13 EXISTING FACILITIES

13-1 GENERAL

This work shall conform to Section 15, "Existing Highway Facilities," of the State Specifications, and these Specifications.

Facilities subject to these Specifications include existing facilities that interfere with planned construction as shown or specified in the Contract. The removal of existing utilities shall be by the utility owner, unless otherwise shown or specified in the Contract.

Attention is directed to Section 6-21, "Preservation of Property", of these Specifications. Existing facilities within the rights-of-way and construction areas that do not interfere with the Work shall be protected from damage. Unless otherwise shown or specified in the Contract, the minimum cover requirements during construction for temporary construction vehicle loading shall be as follows:

- For metal and plastic pipes, place at least four feet (4') of cover over the top of the pipe at construction crossings.
- For reinforced concrete pipe, place at least three feet (3') of cover over the top of the pipe at construction crossings.

Attention is directed to Section 14, "Restoration of Surfaces", and Section 15, "Clearing and Grubbing", of these Specifications for additional requirements.

13-2 REMOVING EXISTING FACILITIES

Existing facilities that interfere with the Work shall be removed, reset, relocated, adjusted, or otherwise modified as specified herein, as shown on the Plans, as specified in the Special Provisions, or as directed by the Agency.

Trenches, holes, depressions and pits resulting from the removal of existing facilities shall be backfilled with embankment material as provided in Section 18, "Earthwork", of these Specifications. Such trenches, holes, depressions and pits that are in surfaced areas, otherwise to remain undisturbed, shall be backfilled with materials equal to or better in quality and to the same thicknesses as the surrounding materials.

13-2.01 Mailboxes

Existing mailboxes and newspaper tubes shall be removed and reset where shown on the Plans or as directed by the Agency. All mailboxes shall be maintained in an upright position adjacent to the construction area between the time the mailbox is removed and reset in its final location.

Mailboxes shall be reset on four-inch by four-inch (4" x 4") Douglas fir or redwood posts S4S, conforming to the provisions of Section 56-2.02B, "Wood Posts," of the State Specifications, unless otherwise noted on the Plans. Posts shall be set a minimum of twenty-four inches (24") in concrete bases. Concrete shall be Class "C" portland cement concrete as defined in Section 50-5, "Portland Cement Concrete", of these Specifications. Mailboxes that can be salvaged intact, including ornamental or iron supports, shall be salvaged and reset. The bottom of mailboxes shall be set at a height of three-feet six-inches (3'6") above the back of curb or edge of shoulder.

For projects in the County of Sacramento, the face of the mailbox shall be set one foot (1') behind the back of sidewalk on Class "A" streets, one foot (1') behind the back of curb on Class "B" streets, and one foot (1') behind the outside shoulder line on Class "C" streets, or as shown on the Plans or directed by the Agency. The classes of streets are as defined in the Improvement Standards of the County of Sacramento, Public Works Agency.

13-2.02 Signs

Attention is directed to Section 12, “Construction Area Traffic Control”, of these Specifications regarding the maintenance of existing traffic control signs.

13-2.03 Survey Monuments

Existing survey monuments and markers shown on the Plans or found during progress of the Work shall be preserved. (See Section 5-9.02, “Survey Monuments”, of these Specifications.) Survey monuments and markers are hereinafter referred to as “monuments.” The Contractor shall notify the Agency of any monument encountered, and shall not remove or damage said monument until the monument can be cross referenced and surveyed by the Agency. The Contractor shall allow a minimum of one (1) Working Day for such referencing to be accomplished. When notified by the Agency that the cross-referencing has been completed, the monument may then be removed. The Contractor is not responsible for the replacement of any monument that has been cross-referenced and surveyed by the Agency, as specified above. If the Contractor fails to notify the Agency as specified above, or removes or damages any monument that is not in direct conflict with the Work, all referencing, resurvey, and replacement of the monument shall be at the Contractor’s expense.

13-2.04 Landscaping Improvements

Existing landscape improvements and appurtenances including irrigation pipes, gate valves, remote control valves, sprinkler heads, hose bibs, automatic irrigation controllers, and yard lighting systems that interfere with the Work shall be removed. Irrigation pipes shall be capped at the right-of-way line or easement line, unless otherwise shown or specified in the Contract. Irrigation systems that are affected by the Work that provide irrigation to existing landscaping that is not to be removed as part of the Work shall be replumbed and rewired, when necessary, to be operational within five (5) Working Days of being affected by the Work. Care shall be taken to guarantee that the system is plumbed consistent with appropriate design pressure and flow. All irrigation lines shall be flushed and free of dirt and debris prior to re-plumbing. The Contractor shall make arrangements with the abutting property owner to salvage and stockpile any materials removed during the Contractor’s operations. On projects for underground construction of sewer, drainage, or water facilities in public utility easements or other easements, existing landscape improvements and appurtenances shall be reconstructed to their original location and condition, unless otherwise shown or specified in the Contract.

Existing plant material (i.e. trees, shrubs, ground cover and lawn) within the area affected by the Work and designated for removal shall be removed per Section 15, “Clearing and Grubbing”, of these Specifications.

13-2.05 Abandoned Underground Facilities

All abandoned pipes, conduits, and other abandoned structures within two feet (2’) below the roadway subgrade shall be removed and disposed of. Pipes that are lower than two feet (2’) below the roadway subgrade shall either be removed or the ends plugged with concrete, at the option of the Contractor, unless specified otherwise in the Contract. Pipe ends shall be plugged in accordance with Section 15-1.04, “Abandonment of Pipes and Manholes”, of these Specifications.

13-2.06 Drainage Facilities

The Contractor shall maintain existing drainage facilities, including ditches, during the Work. Except where otherwise shown on the Plans, the Contractor shall re-establish the drainage facilities to their original locations and in working condition as soon as possible after completing work in the area. For remedial maintenance projects or improvement projects in established areas, the Contractor shall coordinate the work so that storm drain systems are fully operational at the end of each Working Day. No runoff shall be allowed to flow unconfined through any trenches or excavations without approval of the Agency.

13-2.07 Fences

All fence material and gates to be relocated or reset shall be removed with care to prevent any damage to the material. All adhering concrete footings shall be removed from fence posts and braces that are to be relocated or reset.

Relocated or reset fences shall provide two feet (2') minimum clearance from relocated or new fire hydrants.

Temporary fencing shall be furnished and erected where the removed existing fencing is for security of property or containment, as shown on the Plans and as directed by the Agency.

Materials removed from existing fences that, in the opinion of the Agency, are unsuitable for reuse shall become the property of the Contractor and shall be disposed of. The unsuitable material shall be replaced with material of a kind and quality equal to the best of the material in the existing facility. Furnishing of material to replace material that has been damaged by the Contractor's operations will be at the Contractor's expense. Furnishing of material to replace unsuitable material as ordered by the Agency will be paid for as extra work as provided in Section 9, "Changes and Claims", of these Specifications.

13-2.08 Concrete

Where a portion of a concrete structure, slab, or curb is to be removed, the concrete shall be cut with a concrete saw so that the visible edge of the remaining concrete shall form a neat, straight line. Where concrete slabs, curbs, ornamental walls, brick work, or similar items are encountered in the course of the construction of underground facilities, except drainage facilities within road right-of-way, the structure or facility shall be reconstructed to match the existing portion of the facility. On roadway projects and drainage construction in highway rights-of-way, the facility shall be removed to the right-of-way line and the end of the facility shall be reconstructed to provide a neat appearance.

13-2.09 Removal of Traffic Stripes and Pavement Markings

Removal of traffic stripes and pavement markings is required for all areas of slurry seal and other areas specifically indicated for stripe removal as shown on the Plans. Removal of painted traffic stripes and pavement markings shall comply with the requirements of Section 15-2.02B, "Traffic Stripes and Pavement Markings", of the State Specifications. Traffic stripe removal shall be completed no more than two (2) Calendar Days prior to placement of slurry seal.

Traffic stripes and pavement markings shall be removed by sandblasting or approved grinding method. When sandblasting is performed within ten feet (10') of a lane occupied by vehicular traffic, the sandblast equipment shall be equipped with a shield to protect the public, and a vacuum attachment operating concurrently with the pressure equipment to immediately remove grindings and sand from the surface of the roadway. The Contractor shall immediately remove all remaining sand and grindings from the roadway.

The Contractor's attention is directed to Sections 6-1 and 10-7.01 of these Specifications. Handling and disposal of hazardous materials associated with the removal of traffic stripes and pavement markings shall comply with all applicable Federal, State, and local laws, rules, regulations, ordinances and statutes. Contractor will be responsible for all costs associated with non-compliance, including any fines levied.

Placement of permanent or temporary pavement striping, as detailed in Section 48-5 "Placement", of these Specifications, is required prior to opening the subject portion of roadway to traffic.

13-3 MEASUREMENT AND PAYMENT

Full compensation for protecting existing facilities shall be considered as included in the prices paid for the various items of work and no additional compensation will be allowed.

Payment for removing, resetting, relocating, adjusting, or otherwise working on existing facilities will be made at the prices for the various items of work in the Contract, and will be payment for all work involved including disposal and salvaging.

Full compensation for conforming to the provisions in this Section (Section 13), not otherwise provided for, is included in the prices paid for the various items of work involved and no additional compensation will be allowed.

The Contract price paid per linear foot for relocating existing fence, or resetting existing fence includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and doing all the work involved in removing existing fence materials and gates, and relocating or resetting existing fences, complete in place, as specified in these Specifications, as shown or specified in the Contract, and as directed by the Agency.

Full compensation for clearing fence lines and disposing of the resulting material, excavating high points in the existing ground between posts, excavating holes, disposing of surplus excavated material, furnishing and placing portland cement concrete footings, connecting the fences to structures and existing cross fences, and constructing temporary fences, is included in the price paid for relocating or resetting existing fences and no additional compensation will be paid.

If there is no item in the Contract for relocating or resetting fences, full compensation for conforming to the provisions in this Section (Section 13), not otherwise provided for, is included in the prices paid for the various items of work involved, and no separate payment will be made.

Removal of traffic stripes and pavement markings shall be measured by the linear foot for removal of four-inch traffic stripes. Stripes of widths other than four inches shall be converted to an equivalent length of four-inch stripe for determination of quantities. Traffic stripes with gaps, or skipped striping, shall only be measured along portions with traffic striping, gaps without striping shall not be measured for payment. Traffic stripe shall be defined as paint, thermoplastic or any other stripe material. The unit price bid for stripe removal shall include full compensation for all material, tools, labor, and equipment to remove the traffic stripes and pavement markings, remove all debris from the roadway and disposal of all waste as specified herein.