

SECTION 02012**TEST PITS****02012.01 GENERAL****A. Description**

1. Test pits shall include, but not necessarily be limited to, excavation to determine the exact location and/or elevation of underground structures, utilities, and other obstructions; the backfill and compaction of the excavation; and the stabilization of the surface in accordance with the Contract Documents.
2. It is the County's policy to test pit existing underground utilities at their point of crossing with proposed utilities for design purposes. When this is done, the information obtained is shown on the Plans. However, should there be a location(s) where crossings of existing and proposed utilities occur and a test pit(s) was not performed, it shall be the Contractor's responsibility to establish the location and/or elevation of the existing utility.

B. Related Work Included Elsewhere

1. Maintenance of traffic; Sections 01410 through 01470.
2. Protection of the environment; Section 01500.
3. Adjusting and replacing fences, shrubs, hedges, etc.; Section 02130.
4. Adjusting existing utilities and underground structures; Section 02140.
5. Removal of existing pavement, sidewalk, curb, and combination curb and gutter; Section 02160.
6. Tamped fill; Section 02265.
7. Excavation support; Section 02400.
8. Dewatering; Section 02512.
9. Patching paving; Section 02680.

C. Quality Assurance

1. Materials

It is intended that all materials removed from the test pit excavation, exclusive of paving materials, be used for backfill. The Engineer will inspect all material prior to its use as backfill to determine the material's suitability for use as backfill.

2. Field Tests

The Engineer may, at his discretion, arrange for in-place moisture/density testing of the backfilled excavation. The Contractor shall be governed by the requirements of Section 02250.01, Article C.

D. Submittals

None.

02012.02 MATERIALS**A. Materials furnished by the County**

None.

B. Contractor's Options

Not applicable.

C. Detailed Material Requirements

1. Use of Excavated Material

All suitable material excavated from test pits shall be used, as far as practicable, for backfill. The Contractor shall properly store or stockpile and protect all materials that are to be reused in the work. The Contractor shall replace, at his own expense, material that was suitable when excavated, which has subsequently become unsuitable because of careless, neglectful, wasteful, or unprotected storage. The Contractor shall have no property right in any material taken from any excavation and no excavated material shall be wasted or otherwise removed from the project site without permission of the Engineer. All unsuitable material shall be removed from the excavation and disposed of off-site by and at the expense of the Contractor.

2. Borrow

Borrow material for test pit backfill shall meet the requirements of Section 02240.02.

3. Graded Aggregate Subbase

Graded aggregate subbase for test pit backfill shall meet the gradation requirements specified in Section 02621.02.

02012.03 EXECUTION**A. General**

It shall be the Contractor's responsibility to determine the location and/or elevation of underground structures and utilities by the use of test pit excavation prior to initiating excavation operations for the installation of the proposed facility. Test pits shall be of the size, depth and location as approved by the Engineer. Should the location and/or elevation thus determined be different from that shown on the Plans, the Contractor shall promptly furnish the correct information to the Engineer so that the impact on the Project may be determined.

B. Test Pits

1. Surface preparation, excavation, backfill, compaction, and maintenance of the backfilled excavation shall be as specified in Section 02250.03 for trenches except that the limits of the work shall be as approved by the Engineer.
2. Restoration shall be as specified in Section 02250.03 unless otherwise specified or directed by the Engineer.

02012.04 METHOD OF MEASUREMENT

Measurement for test pits will be made on the basis of the volume of material actually removed from within the limits specified by the Engineer.

02012.05 BASIS OF PAYMENT

Payment for test pits will be made at contingent prices established in the bid proposal. The price bid shall include furnishing all labor, material, equipment, and incidentals necessary to perform the excavation, backfill, compaction, and surface stabilization or pavement patch for the test pit as specified in Section 02250.05.

No payment will be made for test pit excavation performed to establish the location of existing utilities, shown on the Plans, where they cross proposed utilities.