

SECTION 312316 - EXCAVATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Excavating for paving, roads, and parking areas.

B. Related Requirements:

1. Section 312323 "Fill" for backfilling at building perimeter and Site structures, and fill under slabs on grade, pavement, and landscaped areas.

1.2 UNIT PRICES

A. Excavating Soil Materials:

1. Basis of Measurement: By cubic yard.
2. Basis of Payment:
 - a. Includes excavating to required elevations, loading, and removing from Site.
 - b. Over-Excavating: Payment will not be made for over-excavated Work nor for replacement materials due to over-excavated Work.

PART 2 - EXECUTION

2.1 PREPARATION

A. Utility Service Locator:

1. Call local utility service-line information at not less than three working days before performing Work.
2. Request that underground utilities be located and marked within and immediately surrounding construction areas.
3. Identify required lines, levels, contours, and data.

B. Existing Utilities:

1. Protect from damage utilities indicated to remain.

C. Protect plant life, lawns, and other features designated to remain as portion of final landscaping.

D. Protect benchmarks, survey control points, existing structures, fences, sidewalks, paving, and curbs from excavating equipment and vehicular traffic.

2.2 EXCAVATION

- A. Underpin adjacent structures which may be damaged by excavation Work.
- B. Excavate subsoil to depths indicated on the drawings to accommodate paving.
- C. Trim excavation and remove loose matter.
- D. Removal of Deleterious Materials:
 - 1. Remove lumped subsoil, boulders, and rock up to 3 inches.
 - 2. Remove excess and unsuitable material from Site.
- E. Notify Engineer of unexpected subsurface conditions.
- F. Correct over-excavated areas with structural fill as specified in Section 312323 "Fill".
 - 1. Remove excavated material from Site.
- G. Repair or replace items indicated to remain that have been damaged by excavation.

2.3 FIELD QUALITY CONTROL

- A. Tests and Inspections:
 - 1. Request visual inspection of subgrade by Engineer before installing subsequent Work.

2.4 PROTECTION

- A. Prevent displacement or loose soil from falling into excavation, and maintain soil stability.
- B. Protect bottom of excavations and soil adjacent to and beneath foundation from freezing.
- C. Protect structures, utilities, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards that may be created by earth operations.

END OF SECTION 312316