

SECTION 02100- SITE PREPARATION

PART 1 - GENERAL

1.01 GENERAL PROVISIONS:

- A. The CONDITIONS OF THE CONTRACT and all Sections of Division 1 are hereby made a part of this Section.

1.02 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section, and, without limiting the generality thereof, furnish and install the following:
1. Clearing site of debris, grass, trees, and other plant life in preparation for excavation work.
 2. Stripping of topsoil from the areas to be incorporated into the limits of the project and where indicated on the drawings.
 3. Removal of existing bituminous pavement and granite curbing where indicated on the drawings.
 4. Removal and disposal of existing concrete foundations and building slabs from site. Note that concrete is to be cleaned, crushed, and mixed with gravel to provide adequate backfill material on-site.
 5. Removal of light poles, fencing and other site elements where indicated on the drawings.
 6. Disconnect and capping of existing utilities (water, sewer, and stormdrain) connecting to existing building.
- B. Related Work: Examine Contract Documents for requirements that affect work of this Section. Other Specification Sections that directly relate to work of this Section. Contractor shall note that the following work will be completed by others under separate contracts prior to construction of this project:
1. Disconnect of any active electrical power from overhead or underground power which is to be removed.
 2. Disconnect and cap existing gas service to the existing building.
 3. Asbestos abatement and disposal of tile and roof mastic
 4. Removal, disposal, and backfill of existing building on-site (above grade).
- C. Alternates, Allowances, Unit Prices: Refer to SECTION 01000 to determine extent, if any, work of this Section will be affected by any Alternates, Allowances or Unit Prices.

1.03 QUALITY ASSURANCE; SUBMITTALS:

- A. General: Comply with requirements of SECTION 01340 – SUBMITTAL PROCEDURES.

1.04 JOB CONDITIONS

- A. Conditions existing at the time of inspection for bidding purposes will be maintained by the Owner in so far as practical.
- B. Variations to conditions or discrepancy in actual conditions as they apply to site preparation operations are to be brought to the attention of the Owner prior to commencement of any site work.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. General: Off-site materials shall be transported to the project site using well maintained and operating vehicles. Once onsite, transporting vehicles shall stay on designated roads and shall at no time endanger residents, staff, or existing improvements.
- B. Granite Curbing: All existing granite curbing identified for removal shall be stockpiled on-site for reinstallation.
- C. Concrete Wheel Stops: All existing concrete wheel stops shall be stockpiled on-site for re-installation.

PART 3- EXECUTION

3.01 PREPARATION

- A. Verify that the limits of pavement removal, clearing and stripping are clearly tagged, marked, or identified and review limits with the Architect.

3.02 PROTECTION

- A. Locate and identify existing utilities to remain and protect from damage.
- B. Conduct operations with minimum interference to public or private accesses or facilities. Maintain access and egress at all times and clean and sweep any roadways daily or as required by the governing authority. If deemed necessary, provide dust control with sprinkling systems to be provided by the Contractor.
- C. Protect benchmarks, property corners, and all other survey monuments from damage or displacement. If a marker needs to be removed it shall be referenced by a licensed land surveyor and replaced, as necessary by the same at no cost to the Owner.
- D. Provide traffic control as required, including preparing, submitting, and receiving approval of a traffic control plan if required from the City of Portland for all work within the public Right-of way.
- E. Provide safety and security fencing around entire project site and maintain throughout the construction process. Existing chain link fencing can be utilized to supplement any fencing requirements of the site.

3.03 CLEARING

- A. Unless otherwise indicated on the drawings or modified by the Owner, remove all vegetation, grass, improvements, pavement or obstructions interfering with the installation of new construction. Removal includes digging out stumps and roots. Depressions caused by clearing and grubbing operations are to be filled to subgrade elevations to avoid ponding. Satisfactory fill material shall be placed in horizontal layers not exceeding 8" loose depth, and thoroughly compacted per Section 02315.

3.04 TOPSOIL EXCAVATION

- A. Strip topsoil from areas that are to be filled, excavated, Landscaped, or re-graded to such a depth that it prevents intermingling with underlying subsoil or questionable materials.
- B. Cut heavy growths of grass from areas before stripping and remove with the rest of the cleared material.
- C. Topsoil shall consist of organic surficial soil found in depths of not less than 6". Satisfactory topsoil is reasonably free of subsoil, clay lumps, stones, and other objects over 2" in diameter, weeds, sticks, roots, and other objectionable material.
- D. Stockpile topsoil on-site or in other approved areas within the Brickhill Redevelopment Project area as directed by the Architect. Construct storage piles to freely drain surface water. Stockpiles shall be stabilized in accordance with Section 02210 and the construction documents. Excess stockpiled topsoil shall be retained by the Owner unless otherwise noted on the drawings.

3.05 SITE PREPARATION:

- A. All areas where depth of fill exceeds 4 feet for final grade shall be cleared.
- B. All areas directly below paved areas and buildings should be cleared and grubbed. The removal to subgrade shall be completed with a smooth-edged backhoe bucket to limit the amount of subgrade disturbance.

3.06 PROTECTION OF PREPARED AREAS

- A. Prepared areas of the site shall be protected with erosion control measures. Positive surface drainage away from prepared subgrade areas shall be maintained throughout the period of construction.

END OF SECTION 02100