

SECTION 02 4113 - SITE DEMOLITION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Removal of drainage structures, pavements, surfacing, base courses, curb, curb and gutter, sidewalks, steps, retaining walls, foundation walls, utility pipes, and other existing improvements which conflict with the work and are not designated to remain in place.
- B. Drawings and General Provisions of Contract, including General and Special Conditions, apply to this section.

1.2 GENERAL

- A. The Contractor shall remove old pavements, abandoned sewers or pipelines, and other obstructions to the work within the construction limits, and not designated or permitted to remain. The Contractor shall dispose of the materials away from the site of work.
- B. It is the intent that the demolition be complete and adequate for the intended purpose. This work shall include the removal of all items, whether in view or hidden underneath the surface of the ground, regardless of whether shown on the Drawings or encountered during construction.
- C. Items for removal will not be listed.

1.3 RELATED SECTIONS

- A. Section 31 1000 – Site Clearing
- B. Section 31 2300 – Excavation and Fill

1.4 PERMITS

- A. Contractor shall comply with all applicable local, state, and federal requirements regarding materials, methods of work, and disposal of excess and waste materials.
- B. Contractor shall obtain and pay for all required inspections, permits, and fees. Provide notices required by governmental authorities.

1.5 SUBMITTALS

- A. The Contractor shall submit utility service termination certificates, copies of demolition notices, and permits to the Owner's Representative prior to removal.
- B. If the Drawings or Specifications do not specify phasing, the Contractor shall submit demolition procedures and operational sequence for review and acceptance by the Owner's Representative.

1.6 JOB CONDITIONS

- A. Protection
- B. Erect barriers, fences, guardrails, enclosures, chutes, and shoring to protect personnel, structures, and utilities remaining intact.
- C. Protect on-site trees and plants as noted on Drawings. Protect all off-site trees and plants from damage.
- D. Protect existing objects designated to remain. In case of damage, immediately make repairs or replacements necessary to the approval of the Owner's Representative at no additional cost to the Owner.
- E. Maintaining Traffic
 - 1. Minimize interference with roads, streets, driveways, sidewalks, and adjacent facilities.
 - 2. Do not close or obstruct streets, sidewalks, alleys, or passageways without permission from authorities having jurisdiction.
 - 3. If closure is permitted, provide signage indicating closure and signage to direct traffic to alternate route.
- F. Dust Control
 - 1. Moisten surfaces as required to prevent dust from being a nuisance to the public, neighbors, and concurrent performance of other work on the site.

PART 2 - MATERIALS NOT USED

PART 3 - EXECUTION

3.1 PREPARATION

- A. Notification: Provide the Owner's Representative a minimum of seventy two (72) hours notice prior to commencing the work of this section. Notice may not include weekends or holidays.
- B. Site Inspection: Prior to work under this section, the Contractor shall carefully inspect the entire site and verify all objects designated to be removed or to be preserved.
- C. Protection of Utilities: The Contractor shall locate existing utility lines and services traversing the site and determine the requirements for their protection. The Contractor shall preserve in operating condition active utilities traversing the site that are designated to remain.
- D. Disconnection of Utilities: Before starting site operations, the Contractor shall disconnect or arrange for the disconnection of all utility services designated to be removed. The Contractor shall perform all such work in accordance with the requirements of the utility company or agency involved.

3.2 PAVEMENTS

- A. In removing pavement, curb and gutter, sidewalks, and similar improvements, where a portion is to be left in place, removal shall be to an existing joint or to a joint sawed to a minimum depth of 2" with a true line and a vertical face. Remove sufficient pavement to provide for proper grade and connections in the new work regardless of any limits indicated on the Drawings.

3.3 SEWERS

- A. Existing castings and culverts, if salvageable and removed intact, shall remain the property of the owner. The Contractor shall use reasonable care in the removal. If privately owned, leave on the owner's property. Arrange pickup by the appropriate agency if owned publicly.
- B. All sewers, drainage pipe, and floor drains, which have been or are to be abandoned, shall be permanently sealed at the ends with bulkheads constructed of concrete, having a minimum thickness of 8". No direct payment will be made for blocking abandoned sewers, drainage pipes, or floor drains.
- C. Abandon storm or sanitary sewer structures by breaking the concrete bottom of the structure into pieces no larger than 12" in any direction and removing the top of the structure to 3' below finished grade. Plug all pipes with concrete and fill structure with 3/4" or 1" clean gravel.

3.4 BLASTING

- A. Blasting is not permitted.

3.5 DISPOSAL

- A. All debris shall be disposed of off site.
- B. If off-site disposal of debris is required in the Drawings or Specifications, the Contractor shall remove demolition debris and grindings as soon as practicable.
- C. Do not store or burn materials on site.
- D. All asphaltic materials shall be disposed of off site.

3.6 CONSTRUCTION LIMITS

- A. The Contractor's operations shall be restricted to those areas inside the construction limits indicated on the Drawings. If limits are not indicated, restrict work to the Owner's property, easement, or public rights-of-way.
- B. Complete work within public rights-of-way under the permission of the governing agency.
- C. Restoration and site repair within the construction limits shall be included in the base bid.
- D. The Contractor shall repair damage outside the construction limits at no additional expense to the Owner.

3.7 UTILITY ADJUSTMENT

- A. The Contractor is responsible for the adjustment of all gas vents, manholes, castings, and water valves within the grading limits to match the finished surface.
- B. Adjustments shall be coordinated with the utility companies and the cost for all adjustments shall be incidental to construction unless noted as a bid item.
- C. The Contractor shall repair any damage to utility structures and appurtenances that occurs during construction at no additional cost to the Owner.

3.8 EXISTING SIGNAGE

- A. Carefully remove traffic signs designated on the Drawings or in conflict with the work and within the project limits. Protect from damage. Temporarily store and reinstall in the same fashion as their original installation.
- B. The Contractor shall replace any signs he damages during construction at no cost to the Owner.

END OF SECTION 02 4113