

**DIVISION 02**

**EXISTING CONDITIONS**

**Part 1            General**

**1.1                DESCRIPTION OF WORK**

- .1            The work shall consist of selective demolition and decommissioning of wastewater sewer, process piping, process pumps and electrical works as shown on the drawings.

**1.2                SITE CONDITIONS**

- .1            Conduct selective demolition Work in manner that will minimize need for disruption of normal operations. Provide minimum of 1 week advance notice to City and keep the Contract Administrator informed of the proposed demolition activities that will affect City's normal operations of the existing Hauled Liquid Waste Facility.
- .2            City assumes no responsibility for actual condition of items or structures to be demolished. However, conditions existing at time of bidding will be maintained by City insofar as practicable.
- .3            Promptly repair damages caused to adjacent facilities by demolition Work.
- .4            Conduct selective demolition operations and debris removal to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.
- .5            Ensure that selective demolition work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
- .6            Do not dispose of waste of volatile materials including but not limited to, mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers.
  - .1            Ensure proper disposal procedures are maintained throughout the project.
- .7            Do not pump water containing suspended materials into watercourses, storm or sanitary sewers or onto adjacent properties.
- .8            Do not close, block, or otherwise obstruct streets, walks, or other occupied or used facilities without written permission from City and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.
- .9            Do not use cutting torches for removal until Work area is cleared of flammable materials. At concealed spaces, such as interior of ducts and pipe spaces, verify condition of hidden space before starting flame cutting operations. Maintain portable fire suppression devices during flame cutting operations.
- .10           Maintain existing utilities indicated to remain in service and protect them against damage during demolition operations.
  - .1            Do not interrupt utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to governing authorities.
  - .2            Maintain fire protection services during selective demolition operations.
- .11           Use water sprinkling, temporary enclosures, and other methods to limit dust and dirt migration. Comply with governing regulations pertaining to environmental protection.

- .1 Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, and pollution.
- .12 Co-ordinate the work with City staff and other divisions in the specifications regarding foundation, process, piping, electrical and controls works.

**1.3 RELATED REQUIREMENTS**

- .1 General Conditions
- .2 General Requirements – Division 01
- .3 All Technical Specifications bound to this document - Division 02 to Division 40

**1.4 SUBMITTALS**

- .1 Submit a schedule and a plan to the Contract Administrator indicating proposed sequence of operations for selective demolition Work for review prior to start of Work including:
  - .1 Provide detailed sequence of demolition and decommissioning Work to ensure uninterrupted on-site operations.
  - .2 Coordinate with City and the Contract Administrator access to the facilities.
- .2 Submit shop drawings and product data in accordance with Section 01 33 00 – Submittals Procedures.
- .3 Submit Operation and Maintenance manuals in accordance with Section 01 78 00 – Closeout Submittals.
- .4 Maintain a photographic record of existing conditions of structure, road surfaces, equipment, and adjacent improvements that might be misconstrued as damage related to removal operations. Submit this information to the Contract Administrator prior to start of Work.

**Part 2 Products**

**2.1 GENERAL**

- .1 All materials shall meet or exceed all applicable referenced standards, federal, state and local requirements, and conform to codes and ordinances of authorities having jurisdiction.

**Part 3 Execution**

**3.1 PREPARATION**

- .1 Inspect site with Contract Administrator and verify extent and location of items designated for removal, disposal, alternative disposal, recycling, salvage and items to remain.
- .2 Locate and protect utilities. Preserve active utilities traversing site in operating condition.
- .3 Notify and obtain approval of utility companies before starting demolition.

### **3.2 REMOVAL OPERATIONS**

- .1 Remove and decommission components as indicated. All salvaged pumps, valves, piping and electrical components must be handed over to the City.
- .2 Except for items or materials indicated to be reused, salvaged, or otherwise indicated to remain the City property, demolished materials shall become the Contractor's property and shall be removed from the Site by the Contractor to an approved waste disposal facility.
- .3 Carefully remove and salvage each item or object in a manner to prevent damage and deliver promptly to the City.
- .4 If unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure both nature and extent of the conflict. Submit report to the Contract Administrator in written, accurate detail. Adjust selective demolition schedule as necessary to continue overall job progress without delay pending receipt of directive from the Contract Administrator.
- .5 Hazardous Materials:
  - .1 If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental pollution.
  - .2 Notify the Contract Administrator immediately in writing if any Hazardous Materials is encountered during demolition.

### **3.3 CLEANUP AND REPAIR**

- .1 Upon completion of demolition Work, remove tools, equipment, and demolished materials from the Project Site. Remove protections and leave interior areas broom clean.
- .2 Repair demolition performed in excess of that required. Return elements of construction and surfaces to remain to condition existing prior to start operations. Repair adjacent construction or surfaces soiled or damaged by selective demolition Work.

### **3.4 INSPECTION**

- .1 The work shall at all times be available for inspection by the Contract Administrator and the City.
- .2 All work shall be in accordance with and shall be inspected to meet the requirements of the specifications.

**END OF SECTION**