
SECTION 02565 LIFT STATION CLEANING

PART I: GENERAL

1.1 GENERAL REQUIREMENTS

- A. The purpose of Lift Station Cleaning is to remove all debris, grit, and bio-solids from the designated facilities. The contractor may de-water the solid material, and the contractor shall be responsible for the disposal of the wastewater/solid in an approved and regulated manner.
- B. All cleaning operations shall be required to meet OSHA standards, especially if considered a confined space.

1.2 MEASUREMENT AND PAYMENT

- A. Unit Prices:
 - 1. Payment for lift station cleaning shall be paid on a per hour basis, for all necessary labor, material, equipment, supervision, and performing all work necessary to clean the wet well, to remove all debris, grit, and grease to provide final wash down of walls and ceilings and fixtures, to dispose of all removed water and solids.
 - 2. Refer to Section 01270 – Measurement and Payment for unit price procedures.
- B. Stipulated Price (Lump Sum):
 - 1. If Contract is Stipulated Price Contract, payment for Work in this Section is included in Total Stipulated Price.

1.3 REFERENCES

- A. ANSI/ASSE – American National Standards Institute/American Society of Safety Engineers.
 - 1. ANSI/ASSE Z117.1-2009 – Safety Requirements for Confined Spaces.
 - 2. ANSI/ASSE Z359.1-2007 – Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components.
- B. CFTS – City of Friendswood Technical Specifications.
- C. OSHA – Occupational Safety and Health Administration CFR-29 Standards.
 - 1. 1910.23 – Guarding Floor and Wall Openings and Holes.
 - 2. 1910.146 – Permit Required Confined Spaces.
 - 3. 1926, Subpart E – Personal Protective and Life Saving Equipment.
 - 4. 1926, Subpart M – Fall Protection.
- D. TCEQ – Texas Commission on Environmental Quality.

PART II: PRODUCTS – NOT USED

PART III: EXECUTION

3.1 CLEANING, MINOR

- A. Skimming of all debris, trash, sludge and other materials floating on top of the liquids in the wet well.
- B. All material removed from the wet well shall be disposed of in accordance with TCEQ rules and regulations, latest edition.

3.2 CLEANING, MAJOR

- A. The wet well shall be pumped down as far as possible with existing pumps. Cleaning of facilities shall include cleaning of sloped floor, walls, connected piping, and channels.
- B. Remove all grease from wet well surfaces, including flow level floats and monitors. Contractor shall also remove all grease floating or in mats.
- C. All sludge, grit, grease, scum, and other debris shall be completely removed and disposed of in accordance with TCEQ specifications.
- D. All existing concrete, piping, and equipment shall be cleaned with high-pressure water.
- E. There are no claims as to the condition, hardness, or type of material to be removed.
- F. After the removal of the grit and sludge, the wet well shall be inspected.
- G. Contractor shall take precautions not to damage (further) the existing equipment in the lift stations wet well. Contractor shall be responsible for any careless damage and shall be responsible for any repairs to damaged facilities.

3.3 DEWATERING AND DISPOSAL

- A. Existing material may be taken from the wet well and hauled directly for disposal, or solids and debris may be dewatered onsite. The dewatering process shall not create odors or vector problems. Grease shall be removed directly and not dewatered. Dissolved grease may not be put back into the bypass pumping. All dewatering and disposal operations shall be done in compliance with the latest TCEQ Regulations.

3.4 SOLIDS DISPOSAL

- A. Disposal of grit and sludge shall be in accordance with State, Federal, and Local regulations and is the responsibility of the Contractor. Contractor shall be responsible for cleaning up any material spills in accordance with State, Federal, and local regulations. The contractor shall submit information on the disposal of material. The landfill shall be

identified on the manifest for official records. The vendor shall not stockpile any removed material on site. Contractor shall be required to meet State and City regulations for sludge/liquid transportation.

- B. Compensation for transportation and disposal of waste material resulting from cleaning and inspection operations is considered subsidiary to the cost of cleaning and inspection. Additional compensation shall not be allowed.

3.5 CONFINED SPACES

- A. The work contemplated under this project involves activities in and around confined spaces. The contractor and/or contractors independently retained employee or safety consultant shall implement a confined space entry program in accordance with OSHA Standards governing the presence and activities associated with working in and around confined spaces. The contractor shall, as a function of the Health and Safety plan implement a confined space entry program. The contractor shall maintain a copy of the Confined Space Entry Program on site at all times. The contractor shall take all necessary actions to ensure that his employees and employees of any sub contractor have read and understand and follow the plan.
- B. The contractor shall implement OSHA Fall Protection around any openings.

END OF SECTION