

SEWER FORCE MAIN REPLACEMENT PROJECT FOR

COUNTY SERVICE AREA (CSA) 70 – S3 – LYTLE CREEK

WARNING:

ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING THE PROJECT.



SECTION F

TECHNICAL SPECIFICATIONS

SEWAR FORCE MAIN REPLACEMENT PROJECT

FOR

COUNTY SERVICE AREA (CSA) 70 – S3 LYTLE CREEK LYTLE CREEK, CALIFORNIA

PROJECT NO. 30.30.0032

TECHNICAL SPECIFICATIONS SEWER FORCE MAIN REPLACEMENT PROJECT

Section 01000 - General Safety Requirements

Section 02201 - Construction Method

Section 02221 - Trenching, Backfilling, and Compaction

Section 02768 - Furnish and Install PVC Force Main

Section 15340 - Manholes and Fittings

SPECIFICATIONS - DETAILED PROVISIONS Section 01000 - General Safety Requirements

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SECTION 01000 GENERAL SAFETY REQUIREMENTS

1.1 RESPONSIBILITY

The contractor is responsible for ensuring that all activities in connection with the work including, but not limited to, labor, materials, and equipment, conform fully with the standards referenced nerein. This requirement applies to all activities performed, operated, maintained or constructed by the contractor, sub-contractor, supplier, or any other agent of the contractor performing volve. Further, the contractor, his subcontractor, suppliers, and any other agents shall not require my employee, or other worker in connection with the performance of the contract, to angage in work under conditions which are unsanitary, hazardous, dangerous to an employee's 'early or safety or otherwise in violation of any applicable federal, state, or local law or regulation in regulation of cocupational safety.

1.1 1A SAFETY AND HEALTH

The Contractor shall conform to all applicable of supational safety and health standards, rules, regulations and orders established by becausencies, State of California, and California Division of Occupational Safety and Health Construction Safety Regulations (Cal OSHA), including obtaining permits required by California Code of Regulations, Title 8, Section 341 and 341 (a).

§1527. Washing Facilities, Food Handling, and Temporary Sleeping Quarters.

WASHING FACILITIES

- A. GENERAL. Washing facilities shall be provided as follows: A minimum of one washing station shall be provided for each twenty employees or fraction thereof. Washing stations provided to comply with this requirement shall at all times:
 - 1. Be maintained in a clean and sanitary condition;
 - 2. Have an adequate supply of water for effective washing;
 - 3. Have a readily available supply of soap or other suitable cleansing agent;
 - 4. Have a readily available supply of single-use towels or a warm-air blower;
 - 5. Be located and arranged so that any time a toilet is used, the user can readily wash:
 - 6. When provided in association with a nonwater carriage toilet facility in accordance with Section 1526(c),

- 7. Provide a sign or equivalent method of notice indicating that the water is intended for washing; and
- 8. Be located outside of the toilet facility and not attached to it.
- B. EXCEPTION to subsection (a)(1)(F)(2.): Where there are less than 5 employees, and only one toilet facility is provided, the required washing facility may be located inside of the toilet facility.
- C. EXCEPTION to subsection (a)(1): Mobile crews having readily available transportation to a nearby toilet and washing facility.
- D. WASHING FACILITIES FOR HAZARDOUS SUBSTANCES. Where application of paints, or coatings, or in other operations involving substances which may be harmful to the employees, washing racilities small be provided in near proximity to the worksite and shall be so equipped a together employees to remove such substances. Facilities provided to controlly with this requirement shall at all times:
 - 1. Be maintained it a clean and sanitary condition;
 - 2. Have in ac iquite supply of water sufficient for effective removal of the hazardous substance from skin surfaces; and
 - 3. Have a readily available supply of soap, and where necessary to effect removal, special cleansing compounds designed specifically for removal of the hazardous substance from skin surfaces; and
 - 4. Have a readily available supply of single use towels or a warm-air blower.

1.2 OTHER CODES AND STATUTES

In addition to the standards and requirements detailed herein, contractors and subcontractors shall comply with applicable provisions of Federal, State, and municipal safety, health, and sanitation statutes and codes. In the event there is a conflict between the provisions of the Safety and Health Regulations for Construction promulgated by the U.S. Department of Labor in Title 29 CFR Part 1926, Occupational Safety and Health Act (OSHA), or the California Occupational Safety and Health Act regulations in the California Labor Code Section 6300 et seq. (Cal. OSHA), the more stringent provision shall prevail.

1.3 SUBCONTRACTS

Contractors shall include provisions for compliance with the health and safety requirements, as referenced in this Section 01000, in the terms and conditions of all contracts, subcontracts, supply contracts, and all other contractor arrangements for performance of the work.

1.4 PRECONSTRUCTION SAFETY MEETING

Representatives of the contractor shall meet with the District prior to the start of construction to review the respective safety requirements and to discuss implementation of all health and safety provisions pertinent to the work under contract, including safety training status of equipment operators, etc. The contractor shall be prepared to discuss, in detail, the measures he intends to take to control the possible hazards incident to the major phases of the work under contract and to comply with contractual obligations. This meeting will be devoted to discussing the manner in which the contractor intends to administer his health and safety program and delegate the responsibilities for implementing the program.

A Specific Operating Safety Procedure (EN-84) and an Injury & Illness Prevention Program must be submitted to the District at the Pre-Construction conference for acceptance by the District prior to the start of construction. The Contractor shall identify any safety organization, safety team, it safety person within the Contractor's organization, complete with contact name and telephoriem mber. For assistance in preparing your Injury and Illness Prevention Program, go to http://www.dir.ca.gov/dosh/etools/09-031/index.htm

The Injury & Illness Prevention Program shall be submitted in Floring at Sormat as follows: Provide all information on a CD in searchable PDF format; PC compatible using a findows XP operating system. All information provided shall be consolidated to one por able a small file (PDF) in the latest version of Adobe Acrobat, with a Table of Contents and Pc kmarks for each major section.

1.5 SAFETY PROGRAMS

The prime contractor shall prepare a comprehensive written safety program covering all aspects of onsite construction operations and activities associated with each respective contract. Further, unless adequately covered in the original plan, a supplementary detailed plan will be submitted to start of each major phase of work or when requested by the District.

In no case will onsite work commence until the program or appropriate cap plementary submittals have been approved by the District. Initial and supplementary submittals characteristic detailed, and specific operating procedures vitth hazard analysis. Approval by the District of initial and supplementary programs submitte the cultication only signifies that the submittals generally conform to the requirements of tained and referenced herein, and shall not constitute any acceptance or other obligation can a District for the contractor's responsibilities for said programs. Said approval does not relieve the contractor of the responsibility of providing employees with a safe and healthful work environment of the complying fully with all the above requirements. For a project-specific safety plan outline for Contractor's use, see Exhibit "B" (Specific Operating Procedure - including Hazard Analysis).

1.6 SAFETY INSPECTION

The contractor shall provide for weekly safety inspections of the worksites, materials, and equipment by competent employees. Detailed written inspection records shall be maintained and available for review by the District.

Prior to the use of any gauges which monitor atmospheric hazards, the contractor's competent person will verify that the gauge is in current calibration. This will be documented on the District's resident inspector's daily report form.

1.7 ACCIDENT/INJURY/ILLNESS INVESTIGATION AND REPORTING

DEFINITIONS:

A. Serious Accidents/Incidents

Any occurrence of a job-related nature including, but not limited to, suicide or homicide attempts, heart attacks, and occupational injuries or diseases which result in:

- 1. An employee or agent of District, contractor, subcontractor, or supplier suffering death, permanent total disability, complete and/or permanent loss of an eye, hand, foot, or major organ.
- 2. Hospitalization for five or more days of an employee or agent of District arc, 'or contractor, subcontractor, or supplier, or one or more employees in condition.
- 3. Fires or property damage resulting in a loss of \$25,000 or mc e
- 4. Third party injuries, death, or substantial proferty of es that result or could result in claims against the District.

B. Nonserious Accidents/Incidents

All other personal and/or protecty domage accidents/incidents except first aid cases and property damage local to 10, 2,500.

C. Potential Serious Accidents/Incidents

Accidental occurrences or near misses with the potential to be a serious accident/incident such as major equipment failures, contact with high voltage lines, spills of or personal contacts with excessive amounts of toxic or hazardous materials, slides, cave-ins, etc.

1.8 INVESTIGATION/REPORTING

A. Serious accident/incidents shall be reported immediately to the District and appropriate contractor field supervisor. Providing or obtaining appropriate medical and emergency assistance and notification of coroner, safety, and law enforcement agencies, and family members remain a contractor responsibility. Except for rescue and emergency measures, the scene of the accident/incident shall not be disturbed or the operation resumed until authorized by District. The contractor shall assist and cooperate fully with the District in conducting the investigations of the accident/incident and assure availability of all information, personnel, and data pertinent to the investigation. The contractor shall, when ordered by the District, conduct or have conducted a separate and complete independent investigation of the accident/incident, and submit a comprehensive report of findings and recommendations to the District.

The contractor shall arrange and be financially responsible for the indep nont investigation and any equipment or material inspections or tests, or up gnost occurred by the District or contractor investigators. Further, Contractor's Report of Recordable Injury/Illness (See Exhibit "C") shall be completed and submitted to the District for each injured person.]

- B. Nonserious accident/incidents will be recorted inmediately to the contractor's supervisor delegated authority to arrang for medical assistance and/or investigate the accident/incidents. Immediately olloring arrangements for required medical assistance, the responsible supervisor will investigate the accident/incident. Within three working days following transactional accident/incident, the contractor will submit to the District, a completed Contractor's Report of Recordable Injury/Illness (see Exhibit "C") for all personal injuries, and a comprehensive narrative report for property damage accidents.
- C. Potentially serious accident/incidents shall be reported immediately to the District. The contractor's involved equipment and/or worksite shall remain secured until the contractor has completed an acceptable comprehensive investigation. Within five days following the investigation, a detailed written investigation report will be submitted to the District.

1.9 MONTHLY ACCIDENT STATISTICAL REPORT

The contractor shall submit by the first day of each month a completed standard form entitled Contractor Monthly Summary of Occupational Injuries/Illnesses Experience (See Exhibit "D") or equivalent form acceptable to the District. Statistical cutoff dates can coincide with pay periods as long as the ending date of the current report is the beginning date of the following report.

1.10 HOUSEKEEPING

Good housekeeping, including provision and facilities for routine scrap removal, shall be maintained in all areas within the contractor's scope of operation.

1.11 HAZARDOUS MATERIALS AND HAZARDOUS WASTE

The Contractor shall supply a Safety Data Sheet (SDS) for each chemical to be used in or during construction.

Handling, storage, use, and disposal of toxic materials of any nature shall be carried out in a manner so as not to contaminate or pollute water supplies, rivers, lakes, reservoirs, streams, or the atmosphere. Handling, storage, use and disposal of all such materials, including waste, garbage, and sew 3e, 2 all comply with Federal, State, and local regulations.

1.12 GENERAL

Intoxicating beverages and narcotics shall not be permitted or used in construction sites. Persons under the influence of alcohol of narcotics shall not be permitted on the construction site without prior approach of the histrict.

1.13 CERTIFICATION

Design of major critical facilities, equipment, support structures, or systems, embankments, shoring systems, formwork (falsework) built or provided by the contractor for his use shall be certified as structurally suitable for the use intended under the specifications. This certification shall be made in writing by the manufacturer or a registered professional engineer competent in these fields and shall be submitted to the District prior to erection or use of such facilities, equipment or support systems.

1.14 EXPERIENCE MODIFICATION RATING

The Contractor shall, prior to the Pre-Construction Safety Meeting, submit a current copy of the Experience Modification Rating for himself and any listed sub-contractor. This information will be reviewed at the Pre-Construction Safety Meeting.

1.15 WORKERS COMPENSATION RECORDS

The Contractor shall submit Workers Compensation Records for the past 2 years (Log and Summary of Occupational Injuries and Illnesses). This information will be reviewed at the Pre-Construction Safety Meeting.

1.16 CONFINED SPACE ENTRY REQUIREMENTS

When working in, or connecting to existing systems in operation, the required safety provision for work in an operating system will be enforced, including provisions for working in confined air pages. Ontractor shall comply with OSHA's Confined space Entry Policy (29 CFR 1910.146).

END OF SECTION 01000

Section 02201 - Construction Methods

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