

SECTION 01048 – SPECIAL CONSTRUCTION CONDITIONS AND PROCEDURES

PART 1 – GENERAL

1.1 SCOPE

This section covers special construction conditions and procedures associated with this construction project.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 01545 - Protection of Work and Property.
- B. Section 01570 - Traffic Regulations
- C. Section 02960 - Temporary Sewer Bypass Pumping

1.3 NORMAL WORK SCHEDULE

- A. The CONTRACTOR shall conduct all work within the working hours and days as defined in the Contract Documents and Plans.
- B. Exceptions to this work schedule are indicated per paragraph 1.18 (B) or as approved in writing by the AGENCY per paragraph 1.3 (A) below.

1.4 SATURDAY, SUNDAY, HOLIDAY AND NIGHT WORK

- A. Except as noted above, no Work shall be done outside of Water Utilities Manual designated working hours, nor on Saturdays, Sundays or legal holidays, except such work as is necessary for the proper care and protection of the work already performed, or except in case of emergency, and in any case only with the written notice of the AGENCY.
- B. Saturday operations require a permit secured from the City of Oceanside Engineering Department by noon on the proceeding Thursday.

1.4 MITIGATION MEASURES

- A. The CONTRACTOR shall employ dust control measures to the satisfaction of the AGENCY throughout the duration of the project.

1.5 SITE CLEARANCE

- A. All site clearance work shall comply with Sections referenced in this Specification.

1.6 COMPLIANCE WITH STATE SAFETY CODES

- A. All necessary machinery guards, railings, and other protective devices shall be provided as specified and/or required by the State of California Division of

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Industrial Safety and the Occupational Safety and Health Administration. It is assumed that all fabricators, electrical and machinery manufactures, and other equipment suppliers are conversant with such regulations and they shall be responsible for the industrial safety aspects of such equipment. All equipment shall comply with all rules and regulations of the Safety Orders of the State of California Division of industrial Safety and all local building, plumbing, and electrical codes and ordinances. Safety guards shall be easily removed to permit inspection, removal and repair of the moving parts.

1.7 SEWAGE BYPASS AT EXISTING MANHOLES

- A. The CONTRACTOR shall provide the material, labor, and equipment for bypassing the existing sewer manholes and shall provide a work plan addressing such to the AGENCY.

1.8 RESPONSIBILITY FOR JOB SITE CONDITIONS

- A. The CONTRACTOR agrees to assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the CONTRACTOR shall defend, indemnify and hold the AGENCY and the design consultant harmless from any and all liability except for that arising from the sole negligence of the AGENCY. It is the CONTRACTOR'S sole responsibility to protect the safety of employees, residents, and the public from construction-related conditions or activities.
- B. The CONTRACTOR shall be solely responsible for monitoring the work site on a 24-hour basis to prevent vandalism and graffiti. The CONTRACTOR, at no additional expense to the AGENCY, will replace all damaged new work.

1.9 CONSTRUCTION SURVEYS

- A. The CONTRACTOR shall notify the AGENCY of any existing Federal, State, City, County, and private land monuments encountered. All monuments shall be preserved. If necessary, prior to any monuments to be destroyed during performance of the work, CONTRACTOR shall be responsible for obtaining approval by the AGENCY. Monuments shall be replaced by a licensed surveyor at the CONTRACTOR'S expense. Appropriate record of survey drawings shall be filed with the County of San Diego for all replaced monuments. When government monuments are encountered, the CONTRACTOR shall notify the AGENCY at least two (2) weeks in advance of the proposed construction in order that the AGENCY will have ample opportunity to reference these monuments for later replacement.

1.10 CONSTRUCTION TESTING

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- A. The CONTRACTOR shall furnish compaction testing for all bedding, backfill, and soil compaction testing.
- B. The CONTRACTOR shall furnish all materials testing and special inspections required by the AGENCY.
- C. Trench backfill testing requirements shall be per City of Oceanside Water Utilities Manual Construction Guidelines and Requirements.

1.11 WATER/SANITATION AVAILABILITY

- A. The CONTRACTOR shall be responsible for providing sanitation facilities for its employees and shall fully comply with the rules and regulations of the State Board of Health and/or other bodies having jurisdiction.
- B. The CONTRACTOR shall, at all times, provide for its employees an abundant supply of safe drinking water and shall give orders against the use of, for drinking purposes, any water in the vicinity of the work known to be unsafe.
- C. The CONTRACTOR shall provide suitable and conveniently located temporary toilets for use by his forces. They shall be left at the site until final inspection has been made.

1.12 HOURS OF WORK

- A. CONTRACTOR shall conduct all work within prescribed working hours in accordance with the provisions of the Oceanside Water Utilities Manual.
- B. CONTRACTOR shall obtain special permission from City of Oceanside to work on weekends and AGENCY holidays.

1.13 MAIL DELIVERY, STREET SWEEPING, AND GARBAGE PICKUP

- A. Mailboxes, street sweeping, and garbage dumpsters along the route shall not be blocked from normal access. The CONTRACTOR shall schedule his operations so as not to interrupt mail delivery, street sweeping, or garbage pickup. If necessary, the CONTRACTOR shall temporarily relocate mailboxes or garbage dumpsters, or modify his operations, to maintain all regularly scheduled mail delivery, street sweeping, or garbage pickup.

1.14 PROPERTY OWNER NOTIFICATIONS

- A. The CONTRACTOR shall work with the AGENCY and shall provide written notification of construction activity to all property owners and occupants along the pipeline alignments and in the general vicinity of the project no less than (10) days prior to construction. The written notification shall include a description of the project, the time and duration of street closures, suggested alternate routes,

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and a contact number of the CONTRACTOR for property owners to call if they have questions.

B. Service Interruptions:

1. The CONTRACTOR shall make every effort to maintain water and sewer services throughout the duration of the project. In the event a service interruption is required for construction activity, the CONTRACTOR shall provide written notification to all property owners and occupants affected at least forty-eight (48) hours prior to the interruption. The written notification shall include the time and duration of the interruption and a local telephone number of the CONTRACTOR that the owner/occupant can call to discuss the project or any potential problems. The longest period of any scheduled service interruption shall be 8 hours. If any service is not reestablished within the stated duration, the CONTRACTOR shall personally contact the property owner and occupant to discuss what is being done to correct the problem and when the service will be active again.
2. In the event a water or sewer service is damaged during construction, the CONTRACTOR shall personally contact the property owner and occupant to inform them of the service interruption, discuss what is being done to correct the problem, and when the service will be active again. The CONTRACTOR shall restore damaged services to their original working condition within four (4) hours of the interruption at the sole expense of the CONTRACTOR. The services shall be tested in accordance with the Water Utilities Manual.
3. In no case shall water or sewer services be inactive overnight.

C. CONTRACTOR shall follow all traffic regulations for notifications related to blocking driveways.

1.15 DOCUMENTATION OF EXISTING CONDITIONS PRIOR TO CONSTRUCTION

A. NOT USED

1.16 CLOSED CIRCUIT TELEVISION (CCTV) INSPECTIONS OF EXISTING SEWER

A. NOT USED

1.17 CLOSED CIRCUIT TELEVISION (CCTV) INSPECTIONS OF NEW SEWER

A. The CONTRACTOR shall perform CCTV inspection of the new sewer pipe in accordance with the City of Oceanside Water Utilities Manual, with the following exceptions and additions in requirements.

1. Video equipment utilized shall be specifically designed and constructed to be operative in 100-percent humidity conditions. Lighting for the camera shall minimize reflective glare. Lighting and camera quality shall be

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suitable to provide a clear, continuously in-focus picture of the entire inside periphery of the pipe for all conditions encountered during inspection. A reflector in front of the camera may be required to enhance lighting in large diameter pipe.

2. Video equipment shall be high-quality color DVD format. The capacity of the DVD shall be adequate to record inspection of at least one complete pipe segment between two manholes. Recording of a single segment shall not extend to more than one (1) DVD.
3. The CONTRACTOR shall provide all equipment, materials, labor, tools, power, and incidentals to accomplish temporary bypassing, if needed, to make sure the pipeline is not in service during CCTV inspections.
4. The camera operator shall slow or stop the camera at potential or actual imperfections or defects in the new pipe to obtain a high quality video image. Each location where a potential obstruction or deficiency exists shall be identified with accurate distance measurements above ground from the manhole.

1.18 SEQUENCE AND PROGRESS OF WORK

- A. Prior to the preconstruction meeting, the CONTRACTOR shall prepare and submit to the AGENCY a construction progress schedule and a sequence of work covering the entire work. The CONTRACTOR shall inform the AGENCY of changes in the work schedule at least 24 hours in advance so that appropriate observations and tests can be planned and accomplished.
- B. No night work or work on weekends shall be allowed, unless approved by the AGENCY.

1.19 CONTRACTOR WORK AREA

- A. The use of the project area will not be available beyond the limits of the project site as identified on the drawings. The CONTRACTOR must operate entirely within the limits of the project site. No equipment or materials may be parked or stock piled outside the project site or CONTRACTOR staging areas. The CONTRACTOR is responsible for locating and securing legal storage and staging areas. The CONTRACTOR must provide a storage and staging plan to the AGENCY, if requested, including written permission from legal owner of property stating they are allowing the CONTRACTOR to use their property.
- B. It shall be understood that responsibility for protection and safekeeping of equipment and materials on or near the site will be entirely that of the CONTRACTOR and that no claim shall be made against the AGENCY or his authorized representatives by reason of any act. It shall be further understood that should any occasion arise necessitating access to the sites occupied by stored material or equipment, the AGENCY shall direct the CONTRACTOR owning or responsible for the stored materials and equipment to immediately move the same. No materials or equipment may be placed upon the property of the AGENCY other than the designated areas on the Drawings unless the

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AGENCY has agreed to the location proposed by the CONTRACTOR to be used for storage.

1.20 INDEMNIFICATION

- A. CONTRACTOR hereby releases and agrees to indemnify, defend, hold harmless the AGENCY, for any and all damage to persons or property or wrongful death regardless of whether or not such claim, damage, loss or expense is caused in whole or in part by the negligence, active or passive, of AGENCY, excepting only the sole negligence of AGENCY to the fullest extent permitted by law. Such indemnification shall extend to all claims, demands, actions, or liability for injuries, death or damages occurring after completion of the project, as well as during the work's progress. CONTRACTOR further agrees that it shall accomplish the above at its own cost, expense and risk exclusive of and regardless of any applicable insurance policy or position taken by any insurance company regarding coverage.
- B. CONTRACTOR shall defend, indemnify and hold the AGENCY harmless against any and all claims by any parties arising from, or related to, any and all damages, including legal costs and attorney's fees, resulting from interference with, interruption of, damage to, or any and all injuries which result from damage caused to subsurface installations.

1.21 JOB SAFETY

- A. CONTRACTOR acknowledges responsibility for job-site safety and acknowledges that the AGENCY will not have any such responsibility. To the fullest extent permitted by law, the CONTRACTOR shall indemnify, defend and hold harmless AGENCY against all claims, damages, losses and expenses, including but not limited to attorney fees and claim costs, arising out of or resulting from performance of work by the CONTRACTOR, its subcontractors, or their agents and employees, which results in damage to persons or property including wrongful death regardless of whether or not such claim, damage, loss or expense is caused in whole or in part by the negligence, active or passive, of AGENCY excepting only the sole negligence of AGENCY.
- B. All necessary machinery guards, railings, and other protective devices shall be provided as specified and/or required by the State of California Division of Industrial Safety and the Occupational Safety and Health Administration. CONTRACTOR accepts that all fabricators, electrical and machinery manufacturers and other equipment suppliers are conversant with such regulations and they shall be responsible for the industrial safety aspects of such equipment. All equipment shall comply with all rules and regulations of the Safety Orders of the State of California Division of Industrial Safety and all local building, plumbing, and electrical codes and ordinances. Safety guards shall be easily removed to permit inspection, removal and repair of the moving parts.

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- C. Where work is to be performed on private property, all necessary safeguards required by local, state, and federal regulations shall be supplied and deployed by the CONTRACTOR to protect residents and the public at all times.

1.22 SURVEY SERVICE

- A. The CONTRACTOR shall perform all required construction staking survey work.

1.23 ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL

- A. If asbestos cement pipe (ACP) must be cut and handled in the field to accomplish the work, the CONTRACTOR shall be solely responsible for and shall take all appropriate precautions for protecting against threats to health and safety of the work force and general public arising out of construction involving asbestos. The CONTRACTOR shall comply with all applicable regulations for the handling, cutting, shaping, installation and disposal of asbestos.
- B. Asbestos cement pipe to be disposed shall be properly manifested, prepared for transport following criteria of County of San Diego Department of Public Works, Solid Waste Division, and delivered to a landfill permitted for disposal of non-friable asbestos containing materials. Proper disposal shall be the sole responsibility of the CONTRACTOR. CONTRACTOR shall return the completed Generator copy (yellow) manifest to the AGENCY.
- C. Other hazardous materials, asbestos, polychlorinated biphenyl (PCB) or any other toxic wastes encountered by the CONTRACTOR in the City of Oceanside's right-of-way during the work except ACP pipe shall require the CONTRACTOR to immediately stop work in the affected area and report the condition to the AGENCY in writing. The work in the affected area shall not thereafter be resumed except by written agreement of the AGENCY and CONTRACTOR if in fact the material is asbestos or PCB and has not been rendered harmless. The work in the affected area shall be resumed in the absence of asbestos or PCB, or when it has been rendered harmless, by written agreement of the AGENCY and CONTRACTOR, or by arbitration. Unless otherwise specified in the Contract Documents, the AGENCY shall contract directly for the removal and/or abatement of any hazardous materials or toxic wastes except for ACP pipe.

PART 2 - PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

**** END OF SECTION ****