



**ADDENDUM NO. 2  
TO THE**

**GARDENDALE AND VILLAGE PARK WEST PRESSURE REDUCING STATION (PRS) REPLACEMENT PROJECT  
June 19, 2024**

The following addendum shall be made part of the bidding opportunity. **The deadline for submitting bid remains unchanged from Addendum 1 at 2:00 p.m. Tuesday June 25, 2024 at 1966 Olivenhain Road, Encinitas, CA 92024.**

**ADDENDUM SECTION 1 – QUESTIONS**

1. Q: Village Park West Location - Can the ground water be disposed of into the sewer system?  
**A: Prior to release of ground water into the sanitary sewer system, the Contractor shall obtain and submit a valid "Special Use Discharge Permit" issued by Encina Wastewater Authority via Leucadia Wastewater District. See REVISED Project Specification 02140 Dewatering.**
  
2. Q: Village Park West Location - Has the ground water been tested? If so what treatment will be required?  
**A: Groundwater has been tested by OMWD staff for TDS and Chlorine and results are consistent with groundwater. The Contractor shall sample and test for TSS, TDS, pH, and other constituents prior to its discharge into the sewer system as specified by the [EWA Pretreatment Ordinance](#). Treatment and monitoring will be required in accordance with Contractor's approved Special Use Discharge Permit.**
  
3. Q: Village Park West Location - Is there any special treatment of the ground water required prior to disposal into the sewer system or storm drain?  
**A: Accumulated water shall be treated prior to disposal as required by the Discharge Permit. The plan, at a minimum, shall incorporate treatment facilities to remove sediment from the accumulated water prior to its discharge into the sewer system. Treatment for sediment removal shall be in accordance with Best Management Practices NS-2 in the CALTRANS Storm Water Quality Handbook.**
  
4. Q: Village Park West Location - Has the ground water been tested? If so what treatment will be required?  
**A: Groundwater has been tested for TDS and Chlorine. Treatment will be required in accordance with Contractors approved Special Use Discharge Permit.**
  
5. Q: Village Park West Location - What is the flow of the ground water intrusion in gallon per minutes?  
**A: The anticipated flow of the ground water intrusion at Village Park West, when present, is up to approximately 5 GPM and is dependent on depth and season. Based upon the Geotechnical investigation completed during dry season, groundwater was encountered at approximately 7ft. During work by District staff in the wet season, groundwater was encountered immediately below grade at that site.**

6. Q: Village Park West Location - Can a generator be set up to run 24 hours a day 7 days a week to control the pumping and disposal of the ground water?  
**A: The Contractor shall comply with the ordinances, directives, and regulations of the respective agencies with jurisdiction over the area of the work. The Contractor shall obtain and pay for all required permits and provide copies of all permits to the District's Representative prior to starting work, including the San Diego County Air Pollution Control District's permits for construction and operation of diesel generators, if used.**
7. Village Park West Location - How long will the sewer agency allow ground water to be disposed of into the sewer system.  
**A: Release of accumulated water into the sanitary sewer system will be limited to 3 weeks, unless otherwise approved in writing by the Owner and Sewer Agency. To limit the duration of the excavation, the PRS subgrade and backfill have been modified to accelerate the installation. See REVISED Drawing S-2.**
8. Q: Village Park West Location - Is there an electrical plan or scope showing the work required at this location?  
**A: There is no electrical scope at the Village Park West location.**
9. Q: Is there any instrumentation work required at either of the locations or will this be handled by the District?  
**A: For the Gardendale location, control wiring, instrumentation wiring, PLC and SCADA programming will be performed by the District per Dwg I-2/Note 5. There is no instrumentation scope for the Contractor at the Village Park West location.**
10. Q: Would you provide the City of Encinitas Standard Detail S-01A for the Asphalt resurfacing?  
**A: City of Encinitas Standard Detail S-01A, adopted October 2023, attached.**

#### **ADDENDUM NO. 2 DRAWING REVISIONS**

1. Drawing S-2 PRS Foundation Plan & Section; **REVISE** per attached Drawing

#### **ADDENDUM NO. 1 SPECIFICATION REVISIONS**

1. **DELETE** Project Specification 02140 Dewatering in its entirety.  
**REPLACE** with revised Project Specification 02140 Dewatering.

#### **END OF ADDENDUM NO. 2**

Attachments:

1. **REVISED** Drawing S-2 PRS Foundation Plan & Section
2. City of Encinitas Standard Detail S-01A (Adopted October 2023).
3. **REVISED** Project Specification 02140 Dewatering

APPROVED:

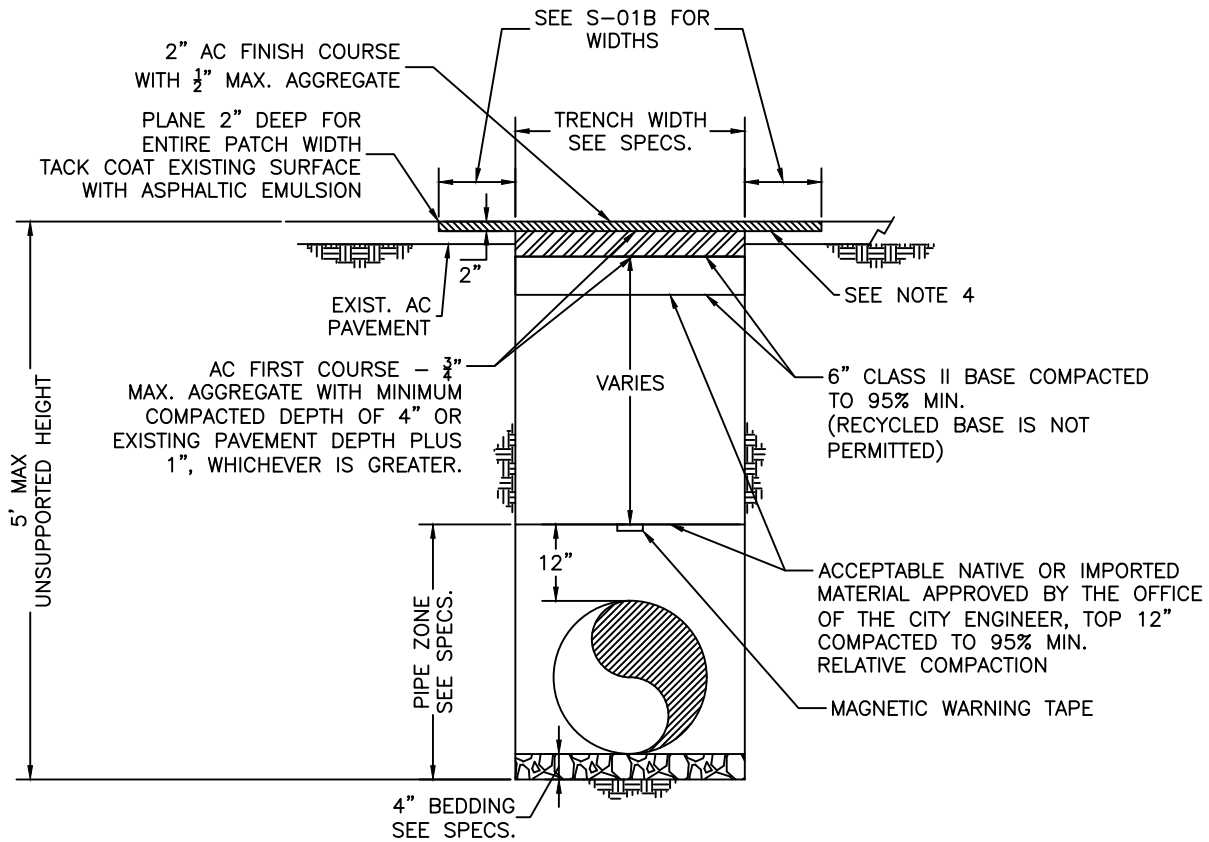


06/19/2024

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Lindsey Stephenson, P.E.  
Engineering Manager, Olivenhain Municipal Water District





**NOTES**

1. FOR DEPTHS UP TO 5', NO TRENCH SUPPORT IS REQUIRED UNLESS WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED. FOR DEPTHS EXCEEDING 5', SHORING OR SOLID SHEATHING IS REQUIRED. WHERE WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED, SOLID SHEATHING IS REQUIRED.
2. EXISTING A.C. SHALL BE SAW CUT AND REMOVED IN SUCH MANNER SO AS NOT TO TEAR, BULGE OR DISPLACE ADJACENT PAVEMENT. EDGE SHALL BE CLEAN AND VERTICAL, ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET C/L, WHEN PRACTICAL AND TO THE SATISFACTION OF THE CITY ENGINEER OR THEIR DESIGNATED REPRESENTATIVE.
3. CHIP OR SLURRY SEALING SHALL BE APPLIED AS REQUIRED BY THE CITY.
4. THE CITY ENGINEER OR THEIR DESIGNATED REPRESENTATIVE MAY REQUIRE PAVEMENT REINFORCEMENT MEMBRANE (TRUPAVE, GLASSGRID, OR APPROVED EQUIVALENT) THAT EXTENDS 12" BEYOND EDGE OF TRENCH.
5. SEE ADDITIONAL NOTES ON S-01B.

TRENCH CUT PAVEMENT MORATORIUM

FIVE (5) YEAR MORATORIUM FOR NEW PAVEMENT AND THREE (3) YEAR MORATORIUM FOR SEAL COATS SUCH AS SLURRY SEAL

REPAIRS IN THIS STANDARD DRAWING ARE FOR STREETS NOT UNDER MORATORIUM. ANY TRENCHING IN STREETS UNDER MORATORIUM REQUIRES PRIOR APPROVAL FROM THE CITY ENGINEER AND MORE EXTENSIVE PAVEMENT RESTORATION REQUIREMENTS.

APPROVED BY THE CITY OF ENCINITAS	CITY OF ENCINITAS STANDARD DRAWING	REV	BY	DATE
		1	SN	06/13
JILL BANKSTON, P.E. CITY ENGINEER	STREET STANDARDS: UTILITY TRENCH RESURFACING	2	BS	10/23
DRAWING NUMBER: S-01A				
2023-10-25	Item #08G			Page 4 of 11

## **REVISED SECTION 02140 – DEWATERING**

**(ISSUED VIA ADDENDUM 2)**

### **PART 1 – GENERAL**

#### **1.1 DESCRIPTION**

- A. This section includes materials, installation, maintenance, operation, and removal of temporary dewatering systems.
- B. The Contractor shall perform site dewatering necessary to lower and control groundwater levels and hydrostatic pressures to allow excavation and construction to be performed under drained and stable conditions.
- C. Dewatering operations shall be adequate to ensure the integrity of the finished project. The responsibility for conducting the dewatering operation in a manner which will protect the Work and adjacent structures and facilities rests solely with the Contractor. The cost of repairing any damage to adjacent structures and restoration of facilities shall be the sole responsibility of the Contractor.

#### **1.2 RELATED WORK SPECIFIED ELSEWHERE**

- A. Standard Specification Section 02200: Earthwork
- B. Standard Specification Section 02223: Trenching, Backfilling and Compacting

#### **1.3 REFERENCE SPECIFICATIONS, CODES AND STANDARDS**

- A. The Owner shall develop and implement a site-specific Storm Water Pollution Prevention Plan (SWPPP) and comply with all aspects of the Construction General Permit.
- B. The Contractor shall obtain all required permits and approvals and comply with California Regional Water Quality Control Board General Waste Discharge Requirements for Groundwater Remediation and Dewatering Waste Discharges.
- C. The Contractor shall obtain all required permits and approvals and comply with requirements defined by the Leucadia Wastewater District and Encina Wastewater Authority.

#### **1.4 CONTRACTOR SUBMITTALS**

- A. Contractor shall submit Dewatering submittals within 6 weeks of Notice to Proceed.
  - 1. The Contractor shall be aware of long lead time for sewer agency permit approval, approximately 10 weeks, depending on responsiveness of application and shall account for all associated costs and schedule impacts at no additional cost to the District.
  - 2. Prior to submittals, Contractor shall hold a meeting with the Owner to discuss discharge approach.

**REVISED SECTION 02140 – DEWATERING**

**(ISSUED VIA ADDENDUM 2)**

- B. The Contractor shall submit the following in accordance with Section 01300:
1. Before starting excavation, submit Shop Drawings including a detailed plan, schedule, and description of the dewatering of excavations. The Shop Drawings shall include: the proposed type of dewatering system; the arrangement, location, and depths of system components; a complete description of the equipment and instrumentation to be used with installation, operation and maintenance procedures; a description of the Contractor's means and methods for measuring groundwater levels and piezometric water levels; and the methods for disposal of dewatering effluent.
  2. Before excavation Contractor shall comply with these additional requirements for dewatering that will involve the Leucadia Wastewater District (LWD) and Encina Wastewater Authority (EWA):
    - a. Comply with requirements of the EWA Pretreatment Ordinance, latest edition.
    - b. Prior to sampling, coordinate with LWD and EWA to define the number and location(s) of sampling locations that will be acceptable to the agencies. Provide a sewer map that identifies all proposed test locations, excavation pit locations, and names of each discharge point (manhole) on the map.
    - c. Provide laboratory analysis data along with a chain of custody form for representative sample(s) of groundwater taken from the selected sampling location(s). Provide representative analytical sample results.
    - d. Comply with required list of constituents to be tested for (including Total Dissolved Solids), approved test methods, and EWA's Pretreatment Ordinance. Search for current or historic contamination in the project area through GeoTracker with a 1000' search radius (the link can be accessed through the County of San Diego's Department of Environmental Health, Site Assessment and Mitigation Program).
    - e. Apply for and obtain a Special Use Discharge Permit from EWA. The permit shall include a plan that describes the location, type, and size of dewatering devices and related equipment, the size and type of materials composing the collection system, the size and type of equipment to be used to retain and treat accumulated water, the proposed disposal locations, and the method for metered monitoring of the flow rate and volume. Include maximum discharge flow rate and max hours pumped per day, the size of the hoses used (model number of the pump and the max pumping rate, calculations for the retention time in the sedimentation tank, (baffles or no baffles in the tank), the model number and optimum flow ranges for the flow meter, documentation defining the length of straight pipe required before and after the meter for accurate measurements, flow restrictor information (if needed) and sample point details (Spigot).



**REVISED SECTION 02140 – DEWATERING**

**(ISSUED VIA ADDENDUM 2)**

- f. Provide a Ground Water Discharge Sketch to include the details of excavation pump, high level shut off, sediment tank (baffles or not), discharge pump, high/low level shut off, treatment train, inverted U, straight pipe, flow meter, straight pipe, governor, sample point, etc.
  - g. Complete and include with the EWA Special Use Discharge Permit application the EWA Indemnity Agreement. LWD and OMWD shall be indemnified through this agreement and by a separate written agreement for the entire duration of the permit.
  - h. Provide written plan approval from sewer agencies for the proposed discharge flow rate, flow volume, discharge points, including any special conditions requirements (wet weather discharge, storm water BMP's, manhole protection, etc).
  - i. Include with the EWA Special Use Discharge Permit application proof of liability insurance coverages.
  - j. "Leucadia Wastewater District", "Encina Wastewater Authority and Membership Agencies" and the Member Agencies, the Owner, the Owner's Representative, and the Design Engineer shall be added as additional insureds.
  - k. Contractor shall provide a minimum \$5,000,000 general liability AND \$5,000,000 for all environmental impairment damages resulting from discharge unless otherwise approved; Valid Entire Duration of the Permit.
  - l. Contractor shall deposit with sewer agencies a minimum of \$10,000 for review of the groundwater discharge request, coordination between LWD and EWA, EWA/LWD review of proposed methods and equipment, and any field inspection and/or monitoring provided by EWA/LWD. Contractor shall make additional deposits as required by EWA/LWD to pay for all EWA/LWD expenses related to review and monitoring of the groundwater discharge. Any unused surplus funds will be returned to the Contractor following cessation of discharges to the sewer system. EWA and LWD will not charge the Contractor for treatment of the water discharged to the sewer system provided that Contractor complies fully with all other requirements regarding dewatering.
  - m. Prior to EWA's issuance of the permit, the system must be demonstrated in the field with EWA present and functional as per the specifications and system provided to EWA in the permit application.
- 3. Before starting excavation, submit copies of well installation permits.
  - 4. Before starting excavation, submit copies of its permit for dewatering discharges to the local sewer agency or Regional Water Quality Control Board permit for dewatering discharges to the environment, whichever is applicable.
  - 5. The Contractor shall submit copies of well destruction permits, as applicable.

C. The Contractor shall submit a daily report that includes the following information:

## **REVISED SECTION 02140 – DEWATERING**

### **(ISSUED VIA ADDENDUM 2)**

1. Groundwater levels and piezometric water levels in observation wells (if any).
2. Changes in elevation of settlement monitoring points to detect settlement in adjacent structures.
3. The dewatering flow rate recorded at least hourly and the total volume discharged for the day.
4. Water quality test results as required by the Regional Water Quality Control Board or local sewer agency, as applicable.

#### 1.5 QUALITY ASSURANCE

- A. The proposed dewatering system shop drawings shall demonstrate, to the satisfaction of the Owner's Representative, that adequate personnel, materials and equipment are available for successful dewatering operations.
- B. Maintain adequate control to ensure that the stability of excavated or constructed slopes are not adversely affected by water, that erosion is controlled, and that flooding of excavations or damage to structures does not occur.
- C. Where critical structures or facilities exist immediately adjacent to areas of proposed dewatering, establish points for settlement monitoring and shall observe these points at frequent intervals to detect any settlement which may occur. The monitoring frequency shall be determined based on recommendations of the soils engineer or Owner, the nature of the critical structure or facility, and the distance from the excavation. The minimum frequency shall be three times per eight-hour work shift (beginning, middle and end of the work period).

#### PART 2 – PRODUCTS

##### 2.1 MATERIALS AND EQUIPMENT

- A. Dewatering, where indicated, includes well points, sump pumps, temporary pipelines for water disposal, storage tanks, rock or gravel placement, observation wells and other means including standby pumping equipment maintained on the job site continuously.
- B. Provide piezometers for monitoring groundwater levels. Provide other instruments and measuring devices as required.

#### PART 3 – EXECUTION

##### 3.1 GENERAL REQUIREMENTS

- A. Comply with Regional Water Quality Control Board or local sewer agency requirements for any discharge of groundwater to the environment or sanitary sewer, whichever is applicable. Before starting dewatering operations, obtain



## **REVISED SECTION 02140 – DEWATERING**

### **(ISSUED VIA ADDENDUM 2)**

authorization, as required, for the disposal of groundwater. Comply with all applicable sampling, testing, monitoring, and reporting requirements.

- B. Grade the site or otherwise divert runoff away from the excavation. Surface runoff shall be collected in shallow ditches around the perimeter of the excavation, drained to sumps, or drained by gravity away from the excavation.
- C. Install and maintain an adequate system to lower and control the groundwater to permit excavation, construction of structures, and placement of fill or backfill materials to be performed under drained and stable conditions.
- D. Sufficient dewatering equipment shall be installed to pre-drain the water-bearing strata below the bottom of foundations, drains, sewers and other subsurface structures or the excavation subgrade.
- E. The hydrostatic head in water-bearing strata below foundations, drains, sewers, pipelines and other subsurface structures or excavations shall be reduced to below the structure or excavation subgrade at all times.
- F. Place the system into operation prior to excavating below the groundwater level. The system shall be operated continuously or intermittently as may be required to sufficiently lower the groundwater levels to allow the construction of the Work. Continue the dewatering operations until construction of the improvements is completed and fill or backfill materials are placed and compacted.
- G. Dewater in order to provide a stable subgrade at proposed bottom of excavation. Provide and maintain means and devices to remove and dispose of all water entering the excavation during the period when concrete is being placed and during the hydration process, when pipe is being laid, and during backfill placement.
- H. Prevent the flotation of structures by maintaining a positive and continuous removal of water from locations which will not create an adverse hydraulic gradient beneath or adjacent to the structures.
- I. If foundation soils are disturbed or loosened by the upward seepage of water or an uncontrolled flow of water, the affected areas shall be excavated and replaced with drain rock at no additional cost to the Owner.
- J. If well points or wells are used, they shall be adequately spaced to provide the necessary dewatering and shall be sandpacked and/or other means shall be used to prevent pumping of fine sands or silts from the subsurface. Continuously monitor the dewatering operation for indications of subsurface soil migration and make necessary adjustments as warranted with notice to the Engineer.
- K. Water and debris shall be disposed of in a legal manner in compliance with permit requirements and SSPWC Subsection 306-3.3 without damage to adjacent property. No water shall be drained onto the Work under construction. Before disposal, water shall be filtered to remove sand and fine soil particles and treated in accordance with permit requirements.

**REVISED SECTION 02140 – DEWATERING**

**(ISSUED VIA ADDENDUM 2)**

**3.2 DISCHARGES TO A SEWER**

For dewatering that will involve discharges to the sewer system, and the Leucadia Wastewater District (LWD) and Encina Wastewater Authority (EWA), Contractor shall comply with these additional requirements:

- A. The peak groundwater discharge flow rate to the sewer system shall be limited to that approved in the permit.
- B. Groundwater discharge to the sewer system shall only be allowed in dry weather, unless otherwise agreed to in advance and in writing by the Owner and by EWA/LWD for each specific discharge period.
- C. Contractor shall provide full-time monitoring of the flow entering the sewer system using a flow meter that measures the rate of flow and total volume of water discharged to the sewer system.
- D. Accumulated water shall be treated prior to disposal as required by the Special Use Discharge Permit. Contractor shall provide treatment facilities to remove sediment from the accumulated water prior to its discharge into the sanitary sewer system. Treatment for sediment removal shall be in accordance with Best Management Practices NS-2 in the CALTRANS Storm Water Quality Handbook.
- E. The Contractor shall sample and test accumulated water discharged into the sanitary sewer system upon initiation of the discharge and on a weekly basis thereafter while dewatering activities are underway. Samples shall be tested for TSS, TDS, pH, and other constituents as specified by the EWA Pretreatment Ordinance and the approved Special Use Discharge Permit.
- F. The groundwater discharge shall only be allowed following a minimum 24-hr dry weather period, unless otherwise agreed by LWD for each specific discharge period. Contractor shall not discharge during a wet weather event.
- G. Release of accumulated water into the sanitary sewer system will be limited to 3 weeks, unless otherwise approved in writing by the Owner and Sewer Agency.

END OF SECTION