



COUNTY OF IMPERIAL

DEPARTMENT OF PUBLIC WORKS

155 S. 11th Street  
El Centro, CA  
92243

Tel: (442) 265-1818  
Fax: (442) 265-1858

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<https://twitter.com/CountyDpw/>



Public Works works for the Public

## COUNTY OF IMPERIAL PUBLIC WORKS

### Maggio Road and Rood Road Drainage Connection Storm Drain Pipeline Improvements

County Project No. 7004GTW

#### ADDENDUM NO. 3

**August 23, 2023**

This *ADDENDUM* is hereby made part of the Contract Documents and specifications to the same extent as if originally included therein, and shall be signed by the Bidder and included with the proposal.

**No. 1. Replace Division VII DRAINAGE FACILITIES on pages 49 and 50 of the Notice to Bidders with the following:**

#### **DIVISION VII DRAINAGE FACILITIES**

##### **64 PLASTIC PIPE**

##### **Add to section 64, where applicable:**

Plastic pipe shall be Polypropylene (PP) dual wall pipe with watertight joints for diameters 30" or less and shall be Polypropylene (PP) triple wall pipe with watertight joints for diameters greater than 30". PP pipe and fittings shall have a smooth interior wall and shall meet all requirements and specifications as shown on the plans and these special provisions.

12" diameter or less storm drain may be SDR 35 PVC meeting the minimum thickness of Schedule 40 at option of contractor.

Pipe bedding and backfill materials up to 12" above top of pipes shall meet minimum standards and details as required by pipe manufacturer, and in accordance with the plans and specifications.

Contractor shall have sole responsibility at all times for construction means, methods and jobsite safety. Special attention is made to both dewatering of trenches, and trench excavation, pipe placement and backfill operations. Contractor shall retain services of California licensed civil, or structural engineer, as appropriate, to design and prepare plans for necessary safety equipment required by OSHA, Cal OSHA and other California and local regulatory authorities during construction, and to prepare summary documents for Contractor's use for accomplishing said work including, but not limited to sheeting, shoring, trench plating, excavation protection, falsework, formwork, and public safety around jobsite.

Contractor shall submit affidavit of compliance with California Safety Order requirements prior to beginning excavation on any trench or excavation. Affidavit shall certify

compliance with all shoring, bracing, sloping or other protective system provisions required by California Construction Safety Orders for worker protection from hazard of caving ground during excavations.

Contractor shall submit a detailed plan and calculations showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench. The plan shall be prepared by a California licensed professional engineer and submitted to County for review and acceptance. All shoring, sloping, or protective systems shall meet or exceed those required by California Construction Safety Orders.

Since Contractor has sole responsibility for means, methods and jobsite safety, review of said documents by County will be limited to verifying preparing engineer's registration is current and that engineer of record has no active complaints filed against them with California Board for Professional Engineers and Land Surveyors.

Work to be paid for under this item shall be appurtenant to the work involved and shall include all excavation safety measures required to safely construct work. This includes constructing, removing, and disposing of all temporary sheeting, shoring and bracing or equivalent method for protection of life and limb of workers in trenching or open excavations in accordance with the requirements of OSHA, Cal OSHA, Construction Safety Orders of State of California pursuant to provisions of California Labor Code Section 6707 and Standards of Regional Water Quality Control Board regarding disposal of water and regarding protection of soils from arsenic and any regulated pollutants which may be present in shoring and bracing materials.

**Replace section 64-2.04 with:**

**PAYMENT**

Full compensation for furnishing all labor, materials (pipe, connections, backfill materials as recommended by pipe manufacturer and these special provisions), tools, equipment, and incidentals, and for doing all the work involved in storm drain work, including excavating, trenching, shoring, placing pipe, connecting, backfilling, and compacting, compliance with, permitting, and provision of worker safety plans, complete in place, as shown on the plans, as specified in these special provisions, and as directed by the Engineer shall be considered as included in the contract item prices paid per linear foot for the following bid items and no additional or separate compensation shall be considered or made therefor:

- 60" Storm Drain
- 48" Storm Drain
- 18" Storm Drain and & 18" Storm Drain Stubout
- 6" Storm Drain Service

- 12” Storm Drain

Any and all dewatering required for storm drain excavation and trenching, and for dewatering of groundwater, subsurface drainage, bypassing and or pumping out of any drainage within existing connecting pipes or manholes pertinent to the storm drain pipelines, including all tools, equipment, materials, and labor shall be considered as included in the lump sum contract prices paid for “Water Pollution and Erosion Control” and no separate or additional compensation shall be considered or allowed therefor.

**No. 2. Add the following to Section 13 WATER POLLUTION CONTROL on page 44 of the Notice to Bidders:**

**DEWATERING:**

Dewatering shall be addressed in accordance with the standard specifications and these special provisions. Contractor is advised that the presence of groundwater is indicated in the geotechnical report, and is responsible for any dewatering, treatment and disposal of groundwater for any excavations for pipe trenches and/or manholes, junction boxes and other appurtenances.

Permits for dewatering, treatment and discharge of water have not been acquired by the County and shall be the responsibility of the Contractor to obtain from State Regional Water Quality Control Board. Dewatering is defined as all activities including but not limited to; dewatering of construction trenches, treatment of water, discharge of water, protection of work in progress and compliance with all applicable permitting requirements.

Contractor shall have sole responsibility at all times for construction means, methods and jobsite safety for dewatering and trench safety. Special attention is made to both dewatering of trenches, and trench excavation, pipe placement and backfill operations.

Contractor shall submit a Dewatering Plan, prepared by a California registered engineer, for review and acceptance by County at least 15 days in advance of dewatering. The Dewatering Plan shall be submitted for each definable element of work, and a generic Dewatering Plan for the entire Project will not be accepted. Contractor shall perform investigations as deemed necessary to determine dewatering rates for each definable element of work to develop the Dewatering and Water Control Plan. Contractor shall also collect and analyze water quality samples to determine what treatment, if any, is required prior to discharge of water.

Key elements of Dewatering Plan to be described include any permit requirements; excavation and shoring plan; equipment proposed; planned methods of dewatering; standby equipment proposed; location, dimensions and capacity of such facilities as dewatering wells, well points, pumps, sumps, collection and discharge piping, silt/sand traps, treatment equipment, monitoring points, discharge points, and protective fills and ditches required for control of surface water discharges; Capacities of pumps, motors and

engines, including standby equipment; power supply, standby power; pollution control facilities; proposed discharge locations; provisions for immediate temporary water supply, water control schedule; operation procedures; equipment removal and/or abandonment procedures; water treatment equipment required to meet discharge requirements. Review of Dewatering Plan by County will be solely for conformance to requirements for Dewatering with no warranty of whether reviewer believes plan will work.

Engineering Calculations shall be submitted with Dewatering Plan to demonstrate adequacy of proposed dewatering systems and components.

Perform no excavations below standing water level regardless of water source until area has been dewatered. Continuously control water throughout construction, including weekends, holidays and work stoppages. Obtain permits and clearances from regulatory agencies. Perform monitoring where required by State Regional Water Quality Control Board. Comply with safety regulations and requirements of Regional Water Quality Control Board.

Design and operate dewatering systems with proper size and capacity: to permit excavating, pipe laying, placement of manholes & concrete work, and other construction in the dry, to lower groundwater 5' below lowest excavation point, to prevent hydrostatic uplift forces until backfill is in place, to allow concrete to reach its 28 day compressive strength in the dry, to prevent loss, caving, loosening or softening of ground as water is removed, to avoid inducing settlement or damage to existing facilities, completed work, or adjacent property and to relieve artesian pressures and resultant uplift of excavation bottom.

Control surface drainage and prevent it from entering excavations by intercepting and diverting runoff away from Work using temporary slopes, dikes, ditches, sumps or other means; minimize erosion on or off the site.

Furnish standby equipment of sufficient size and capacity to ensure continuous operation of dewatering system as designed. Dispose of water from dewatering operations in suitable manner in conformance with NPDES Permit, as approved by Regional Water Quality Control Board.

Disposal of water shall not cause erosion, flooding or silting at discharge points; Disposal of water shall not damage existing facilities, completed work or adjacent property; Contractor shall not cause flooding by overloading or blocking flow of discharged water. Acceptable locations for dewatering include existing Gateway detention basins, and existing drain discharge locations at Gateway. Provision by Contractor of temporary settling or Baker Tanks are suggested augmentation to assist Contractor, if required.

Upon completion of dewatering, restore ground surfaces to preconstruction conditions.

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**PAYMENT FOR DEWATERING**

Full compensation for providing all tools, equipment, materials and labor, and all incidentals related to compliance with and construction of dewatering and dewatering systems shall be considered as included in the contract prices paid per Lump Sum for “Water Pollution & Erosion Control” and no separate or additional payment shall be considered therefor.

**No. 3. Geotechnical Report referenced in project plans are provided herein as attachment to this Addendum.**

Reference Landmark Report entitled, “Pavement Structural Section and Infrastructure Development Tract 941 Unit 5 Gateway – Infrastructure Development NEC Rood Road and Carr Road Calexico (East), California, LCI Project No. LE22078 dated May 22, 2023 for Contractor’s use in consideration of dewatering and/or trench excavations, shoring and backfill. No representation is made that all soils to be encountered and groundwater elevations are as indicated in the sampling made from referenced report. Contractor shall make his own determinations, and provision for any additional studies and/or testing when preparing dewatering plans and/or trench shoring plans.

All questions or clarifications must be in writing and shall be mailed to Adolfo Garcia, Construction Engineering Coordinator, at 155 S. 11th Street, El Centro, CA 92243 or emailed to [adolfo.garcia@co.imperial.ca.us](mailto:adolfo.garcia@co.imperial.ca.us) before September 15, 2023. No questions will be responded to after this day.



John A. Gay, P.E.  
Director of Public Works

**Acknowledgement of Addendum No. 3**

**The general contractor is responsible for advising any and all subcontractors of this change. Each bidder must acknowledge receipt of this addendum in the noted space below and where indicated on the Bidder’s Proposal Section of the Special Provisions. This Addendum must be attached to the proposal.**

License No: \_\_\_\_\_

Print or Type Company Name: \_\_\_\_\_

Print or Type Authorized Name: \_\_\_\_\_

Authorized Signature of Contractor: \_\_\_\_\_

Date Signed: \_\_\_\_\_