



SCREW PRESS SLUDGE DEWATERING PROJECT

FOR

COUNTY SERVICE AREA (CSA) 70 – GLEND HELEN
DEVORE, CALIFORNIA

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 E

SPECIAL CONDITIONS

SCREW PRESS SLUDGE DEWATERING PROJECT

FOR

**COUNTY SERVICE AREA (CSA) 70 – GLEN HELEN
DEVORE, CALIFORNIA**

PROJECT NO.: 30.30.0028

SPECIAL CONDITIONS

SCREW PRESS SLUDGE DEWATERING ROAD PROJECT

TABLE OF CONTENTS

<u>Special Conditions</u>	<u>Page</u>
1. The Requirement.....	SC-1
2. Location of Contract Work Site	SC-1
3. Job Site Safety.....	SC-1
4. Miscellaneous Special Conditions	SC-2
5. Sanitary Facilities.....	SC-2
6. Permits, Certificated, Laws, and Ordinances	SC-2
7. Construction Water	SC-5
8. Trash and Debris Removal	SC-5
9. Plan Set	SC-5
10. Notifications	SC-5
11. Construction Staking	SC-6
12. Compliance with Contract Documents	SC-6
13. Survey Monuments and Benchmarks	SC-6
14. Emergency Vehicle and Response Access	SC-6
15. Geotechnical Investigation	SC-6
16. Data to be Submitted by Contractor	SC-7
17. Trench and Excavation Protection	SC-7
18. Exploratory Excavation (Potholing)	SC-8
19. Excavation, Bedding, and Backfill	SC-8
20. Excess Excavated Materials	SC-8
10. Environmental Mitigation Measures.....	SC-8
11. General Environmental Measures	SC-8

Appendices to Special Conditions

Geotechnical Report	Appendix A
Pothole Data	Appendix B

**SPECIAL CONDITIONS FOR
COUNTY SERVICE AREA (CSA) 70 – GLEN HELEN
SCREW PRESS SLUDGE DEWATERING ROAD PROJECT**

1. THE REQUIREMENT

The work includes, but is not limited to, providing all necessary supervision, labor, equipment, materials, and tools to satisfactorily perform the work that includes furnishing and installing a screw press sludge dewatering system and associated infrastructure. Work to be performed in accordance with plans, specifications, and bid documents.

2. LOCATION OF CONTRACT WORK SITE

The contract work site is located on Lytle Creek North Wastewater Recycling Plant, 18101 Institution Road, Devore, County of San Bernardino, State of California.

3. JOB SITE SAFETY

a. Responsibility

Jobsite safety is the sole exclusive responsibility of the Contractor. This responsibility covers his own work force, all subcontractors, visiting personnel and officials, and the public which may have access to the jobsite. The Contractor shall exercise complete control over who has access to the jobsite to ensure jobsite safety. The Owner does not assume any responsibility for job site safety expressed or implied. The Owner relies on the experience, knowledge, and innovative skills of the Contractor to deliver the most effective construction system to the Owner in a safe and responsible manner.

The Contractor acknowledges responsibility for jobsite safety and acknowledges that the Owner will not have such responsibility.

b. Construction Safety Orders

Construction of this project must comply with all safety orders of the California Occupational Safety and Health Program (CAL/OSHA) as published by the Department of Industrial Relations. The Contractor's safety officer shall maintain at the jobsite a complete copy of the California Administrative Code, Title 8 – Industrial Relations, latest edition.

When applicable, the Contractor's operation shall also comply with General Industry Safety Orders.

The jobsite safety officer shall be thoroughly familiar with the safety orders and shall so instruct, inform, or notify all personnel on the jobsite to ensure safety at all times. The safety officer shall also be responsible for all record keeping and reporting requirements, specified in Record Keeping and Reporting Requirements Under the California

Occupational Safety and Health Act, available from the California Division of Labor Statistics and Research.

The Contractor shall comply with the accident prevention program which includes instructions to workers in safe working practices as well as scheduled periodic safety inspection of all work areas on the jobsite.

Contractor shall provide and perform necessary traffic control during periods of road and street impacts while engaged in his operations. Sufficient signage, message boards, detour signs and flagmen will be employed during any impacts. Contractor will use the State WATCH manual for traffic control implementation and compliance. Temporary DAILY road closures may be allowed provided proper detours are provided and residents receive at least 72 hours prior notification. All impacted roads will be made available immediately to any emergency vehicle traffic if warranted. Road closures will be opened at the end of each day and made safe for residents to include any transition ramping, steel plating for open trenches, etc. Contractor at all times (within reason) will work with the residents regarding property ingress and egress.

4. MISCELLANEOUS SPECIAL CONDITIONS

a. Pre-Construction Conference

The Contractor, together with his major subcontractors, will be required to attend a pre-construction conference prior to beginning construction. The Owner will set up this conference shortly after execution of the contract.

b. Contractor's Field Superintendent

The Contractor shall be required to have a field superintendent, from his organization, on the jobsite during construction activities, to receive directions or instruction from the Owner or Engineer. Contractor shall provide the Owner with a 24-hour emergency phone number for field superintendent prior to beginning of construction.

c. Final Inspection

The Contractor shall schedule a final inspection with the appropriate District staff to ensure that all work as identified in these documents are completed to the satisfaction to the District.

5. SANITARY FACILITIES

Contractor shall supply appropriate and in sufficient number, temporary sanitary facilities for his workmen to use during the course of the project, Contractor shall be responsible for the regular maintenance, cleaning and pumping of such facility(ies).

6. PERMITS, CERTIFICATES, LAWS, AND ORDINANCES

Contractor shall, at his own expense, procure all permits, certificates and licenses required of him by law for the execution of the work. Contractor shall comply with all Federal, State, and local laws, ordinances or rules and regulations relating to the performance of said work. The following agencies have jurisdiction with the project.

A. San Bernardino County Department of Public Works

In the event of any conflict between the Contract Documents and the San Bernardino County Department of Public Works encroachment permit requirements, the most stringent requirement shall prevail. All permit requirements shall be satisfied by Contractor and accepted by the County and Owner before the project is accepted and a Notice of Completion is recorded.

B. State of California Department of Industrial Safety Excavation Permit

Contractor shall obtain an excavation permit from the State of California Department of Industrial Safety and shall comply with the requirements of same. Prior to construction, Contractor shall submit a copy of the excavation permit to Owner.

C. State Water Resources Control Board

Contractor is advised that the Work disturbs one acre or more of land and therefore is subject to the requirements of the Statewide General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2012-0006-DWQ (General Permit), issued by the State Water Resources Control Board (SWRCB). To obtain project coverage under the General Permit, Permit Registration Documents (PRDs, see below) must be submitted electronically to the SWRCB's Storm Water Multiple Application and Report Tracking System (SMARTS) database.

The Contractor shall prepare and submit the following PRDs to Owner:

- Notice of Intent (NOI)
- Risk Assessment (Section VIII of the General Permit)
- Site Map
- Storm Water Pollution Prevention Plan (SWPPP, Section XIV of the General Permit)

Contractor shall provide Owner a hard copy of each PRD for approval. After the PRDs are approved and signed by Owner, Contractor shall submit an electronic file of the signed PRDs to Owner. Owner will then electronically file the PRDs with the SWRCB via the SMARTS database.

The SWPPP must be prepared by a Qualified SWPPP Developer (QSD) as defined in the General Permit.

Contractor shall maintain a minimum of two copies of the SWPPP on the job site at all times for review and inspection by the Regional Water Quality Control Board. Contractor shall implement the SWPPP, including:

- Appropriate training of Contractor's personnel
- Applicable inspection, monitoring, and sampling requirements

- Maintenance of inspection, monitoring and sampling reports and records onsite, and provide Owner continuous access to same
- Submittal of all required reports, including the Annual Report, within 7 days of preparation to Owner for filing with the SWRCB via SMARTS
- Implementation, inspection, and maintenance of all applicable Best Management Practices (BMPs)

All above activities shall be overseen by the Contractor's Qualified SWPPP Practitioner (QSP) as defined in the general Permit. Contractor shall ensure that all necessary amendments to the SWPPP are promptly made by the Contractor's QSD in accordance with the requirements of the General Permit.

Once the project is complete, Contractor shall provide all necessary data to Owner for filing of a Notice of Termination with the SWRCB, including the Annual Report (if not submitted previously) and photographs of the site before and after ground disturbance, demonstrating either a return to essentially pre-construction conditions or revegetation to at least 70% of original extent of vegetation.

D. California Regional Water Quality Control Board, Santa Ana River Region

1) Discharge of Groundwater from Trench Dewatering

If groundwater is encountered, Contractor shall dewater trench as required for proper installation of the water pipeline and protection of the workers. Cost for the trench dewatering shall be included in the respective bid items. Contractor shall comply with all applicable requirements of the California Regional Water Quality Control Board, Santa Ana River Region, regarding discharge of groundwater from dewatering. Non-storm water discharges resulting from trench dewatering and non-contaminated groundwater shall be covered in the SWPPP.

Prior to discharging water on private property, Contractor shall obtain written permission of the owner(s) approving such use. Said written permission shall be submitted to Owner.

2) Other Discharges

For all other wastewater discharge situations, the Contractor shall, at his sole expense, obtain a discharge permit from the California Regional Water Quality Control Board, Santa Ana River Region. A copy of said discharge permit shall be provided to Owner. Contractor shall comply with conditions therein and perform the monitoring required.

3) Miscellaneous Discharge Requirements

Contractor shall not allow any discharges from the construction site which may have an adverse effect on receiving waters of the United States. The wastewater discharge shall not contain a concentration of total residual chlorine of more than 0.1 mg/l. The wastewater discharge shall not contain oils, greases, waxes, or other potentially hazardous materials. The

wastewater discharge shall not cause erosion or sedimentation in the receiving water. Contractor shall provide written notification to the agency/municipality that owns, operates, and maintains the storm drain conveyance system a minimum of one (1) week prior to the start of any discharge into a storm drain conveyance system.

E. General

Contractor shall, at his own expense, procure any additional permits, certificates, and/or licenses required of him by law for the execution of the work, including all permits required for storm water pollution control. He shall comply with all federal, state, and local laws, ordinance, and/or rules and regulations relating to the performance of said work.

All the permit requirements shall be satisfied by Contractor and accepted by all issuing agencies and Owner before a notice of completion will be recorded for the project. In the event of conflict between said permit requirements and the other contract documents, the most stringent requirements shall prevail.

7. CONSTRUCTION WATER

Water for the work, dust control, testing, cleaning, curing, and compaction or as required will be furnished by the Contractor, and will adhere to all regulations of appropriate Water and Fire agencies for the usage, disposal and connection to fire hydrants or standpipes. Contractor shall control water run-off and comply with NPDES discharge requirements.

8. TRASH AND DEBRIS REMOVAL

Contractor shall be responsible in removing and hauling off all trash and/or debris created by him during the construction process. Debris materials (trash, washed out or over spilled concrete, material spoils, etc.) shall be hauled off and disposed of in a manner acceptable and to approved facilities that will dispose of those materials.

9. PLAN SET

Contractor is advised that the plans were developed by Kimley-Horn. Contractor will not contact the engineer directly unless instructed to by the Project or District Manager. All RFI's and clarifications will be submitted to the District's Project Manager who will route through the engineer as required.

Contractor will maintain a field "as-built" set and will turn a legible copy of the "as- built" over to the Project Manager at the conclusion of the project. As-builts will document any deviations to include accurate dimensions and locations of any work not accomplished per plans. Any deviations to the plans must first receive District and Project Manager approvals.

10. NOTIFICATIONS

Contractor shall provide written notification to Project Manager of the work of impending work at least seven (7) days prior to beginning construction. Said notices shall first be approved by Project Manager and shall contain a general description of the work, dates work will be performed, descriptions of areas where travel and parking will be restricted, and access roads which will be closed to through traffic or where traffic will be restricted.

Contractor shall maintain, as a minimum, one (1) access location to each treatment facility at all times.

11. CONSTRUCTION STAKING

Contractor will have licensed professional surveyor in the State of California to provide construction staking for the project. Contractor to pay for this work.

Contractor shall use the construction stakes for construction of the work. Owner will use them for inspection of the work. Contractor shall protect all survey monuments and stakes and shall pay all costs to reestablish any monuments or stakes destroyed or disturbed during the course of construction

12. COMPLIANCE WITH CONTRACT DOCUMENTS

Contractor shall comply with the Contract Documents, including timely completion of work each day, backfilling and securing trenches each day, placement of concrete, work site cleanup, control of traffic, placement of signs, placement of barricades, and use of flashing lights. If Contractor does not comply with the Contract Documents, then Owner shall provide the required labor, materials, and equipment to perform same and shall deduct the cost from monies otherwise due Contractor under the contract.

13. SURVEY MONUMENTS AND BENCHMARKS

The Contractor shall not disturb existing survey monuments or benchmarks. Upon Contractor's request, owner shall locate, mark, reference and prepare a Corner Record prior to construction, for all monuments that might be disturbed pursuant to Business and Professions Code, Sections 8700 to 8805 of the Land Surveyor's Act, specifically Section 8771(b). Contractor shall notify Owner at least 72 hours prior to working near any monuments or benchmarks. Should these monuments be destroyed or disturbed, Contractor shall have a Licensed Land Surveyor registered in the State of California reset the monuments and file a Corner Record or a Record of Survey with the County Surveyor prior to Owner recording a Certificate of Completion for the project.

14. EMERGENCY VEHICLE AND RESPONSE ACCESS

Access for emergency vehicle response shall be provided as required throughout the project. All conditions imposed by emergency agencies (police, fire, or ambulance) due to access limitations shall be the responsibility of the Contractor, including costs of same.

15. GEOTECHNICAL INVESTIGATION

A Geotechnical Investigation Report was prepared, and a copy of the Geotechnical Report is included in Appendix A.

The geotechnical data contained in the Geotechnical Engineering report is intended only to assist the Contractor in generally understanding the geologic conditions of the site; it is in no way to be construed as a warranty of the geologic conditions existing at the site.

The report is neither exhaustive nor conclusive; it is intended to be advisory only and is incorporated as a convenience to the Contractor. All soil boring data and sieve analysis

results, field and laboratory test data, and compaction test data applies only to the borings and test pits as shown by the report. Owner does not guarantee the accuracy or completeness of the information contained in the report.

Contractor shall interpret the data and results contained in the geotechnical report and, if Contractor deems necessary, conduct additional subsurface exploration at Contractor's expense to verify the data or to obtain similar data throughout the worksite.

If Contractor uses the information contained in the report in preparing his bid, Contractor shall assume all risks resulting from conditions differing from those described therein. Information contained in the report shall not relieve the Contractor of his responsibility to perform the work for the amounts bid.

16. DATA TO BE SUBMITTED BY CONTRACTOR

Contractor shall furnish Owner the following data and said data shall be approved by Owner prior to ordering materials. Data (two copies) shall be submitted to Owner for approval. Contractor shall then submit three copies of all approved data to Owner for use during construction.

- A. All data required by the Contract Documents including but not limited to trench protection, construction schedule, encroachment and excavation permits, and emergency telephone numbers.
- B. Site specific Injury and Illness Prevention Plan, Safety Plan and Confined Space Program.
- C. All data and submittals on imported backfill materials, Portland Cement Concrete, Storm Drain Materials, Retaining Wall Materials and crushed miscellaneous base.
- D. A detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during excavation of any trenches five feet or more in depth. Said plan shall be signed and stamped by a registered civil or structural engineer licensed in the State of California. Contractor will not be allowed to excavate until the executed and approved shoring plan has been submitted.

17. EXPLORATORY EXCAVATION (POTHOLING)

Existing utility locations shown on the Construction Drawings are based on available records and are considered approximate. Water service locations, where shown, are based on approximate locations of existing meter boxes. Gas services, where shown, are based on approximate location of visible "gas" markings. Where underground main conductors or conduits such as water, gas, sewer, telephone, electric power, cable television, or other utilities are shown on construction drawings, Contractor shall assume that a service lateral from each utility facility extends to every parcel or property, whether or not a service lateral is shown.

All facilities shown specifically on the construction drawings, or which have been marked

by their respective owners and impact the construction to include storm drain installation shall be potholed. All potholing shall be completed, and the results furnished to the Owner at least ten days prior to ordering any materials. Changes or delays caused by Contractor's failure to perform "potholing" and resultant interference with location of work shall not be eligible for extra work compensation or time extension.

Upon learning of the existence or location of any utility facility omitted from or shown incorrectly on construction drawings, or improperly marked or otherwise indicated, Contractor shall immediately notify the Owner, providing full details as to depth, location, size and function and impacts to proposed construction.

Contractor shall not interrupt or disturb any utility facility without authority from the utility company or order from Owner. Where protection is required to ensure integrity of utility facilities located as shown on the construction drawings or visible to Contractor or marked or otherwise indicated as stated herein, Contractor shall, unless otherwise provided, furnish and place all necessary protection at no additional cost to Owner.

Owner has no information about compaction of trench backfill for said existing utilities and improvements. If said trench backfill fails during construction of proposed road and storm drain facilities, Contractor shall remove and replace said backfill, repair existing facilities (if damaged), compact as specified herein, and remove and replace any asphalt concrete pavement and Portland cement concrete as required, all at no additional cost to the Owner.

18. EXCAVATION, BEDDING, AND BACKFILL

Contractor is advised that rock or unacceptable backfill material may be encountered during Contractor's operations and course of work. Where such materials may be encountered, Contractor shall excavate said material by any method Contractor deems necessary and as approved by the Owner and furnish and install suitable bedding and backfill material all in accordance with the Contract Documents.

Backfill materials shall be either approved commercial import material or select native material (screened or washed). All rock or unacceptable trench backfill material shall be hauled to and discarded at a legal disposal site at Contractor's expense. Contractor shall not dispose of such material on vacant private or public property with or without permission.

19. EXCESS EXCAVATED MATERIALS

Excess soils from excavation shall be spoiled entirely at Contractor's expense off the project site at an approved legal disposal area. In no instances shall excess spoil become a public nuisance or threat to public safety.

20. GENERAL ENVIRONMENTAL MEASURES

A-1: The Contractor shall comply with the following mitigation measures to reduce impacts from construction equipment:

- a) Construction equipment shall be maintained in proper tune.
- b) Gasoline, CNG or electrical powered equipment instead of diesel powered equipment shall be used whenever possible;
- c) Use of heavy equipment shall be suspended during first stage smog alerts.
- d) All construction equipment shall be prohibited from excessive idling; and

- e) The use of “clean diesel” equipment if modified engines (catalyst equipped, or newer Moyer Program retrofit) are available at reasonable cost shall be encouraged.

A-2: To reduce fugitive dust emissions during construction, the use of best available control measures (BACMs) consistent with Rule 403 for control of fugitive dust (South Coast Air Quality Management District 2005) shall be implemented during grading. These measures include the following:

- a) Prior to moving any soil, apply water to the surface of the soil not more than 15 minutes prior to moving soil.
- b) For any stockpiled soils, either cover soils or apply water twice per hour.
- c) Water all active construction areas at least three times daily when active earthwork is occurring or as needed to minimize dust emissions. If evidence of dust is observed, increase to a minimum of four times per day.
- d) Cover all haul trucks or maintain at least two feet of freeboard in trucks used to transport soil to the site.
- e) Pave or apply water twice per hour to all unpaved parking or staging areas during active operations.
- f) Reduce speed on unpaved roads to less than 15 miles per hour.
- g) Sweep or wash any site access points within 30 minutes of any visible dirt deposition on any public roadway.
- h) Cover or water twice daily any on-site stockpiles of debris, dirt, or other dusty materials.
- i) Suspend all operations on any unpaved surface if winds exceed 25 miles per hour.
- j) Limit daily disturbance areas to 5 acres or less.
- k) Move no more than 5,000 cubic yards of soil daily.
- l) Encourage carpooling for construction workers.
- m) Park construction vehicles off traveled roadways.
- n) Wet down or cover dirt hauled off-site.
- o) Wash or sweep access points daily.
- p) Encourage receipt of materials during non-peak traffic hours; and
- q) Sandbag the construction site for erosion control.

END OF SPECIAL CONDITIONS