CONSTRUCTION DRAWINGS
FOR
YARD PIPING REPLACEMENT
MONTEREY WASTEWATER
TREATMENT FACILITY

JEQ PROJ NO.: 8003621

PREPARED BY:

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BEST BAYME ROAD, SUITE 300, JACKSONVILLE, FLORIDA, 32207 / (904) 744-5407
JONES EDMUNDS PROJECT NO: 09302-046-01

CONFORMED TO CONSTRUCTION RECORDS
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RESTORATION NOTES:

1. The contractor shall return all LAWYER, RIVER & WETLAND RESTORATION efforts to their original condition as required by the appropriate regulatory agencies. This includes, but is not limited to, the following:
   - Replanting vegetation
   - Repairing erosion control structures
   - Restoring soil to original conditions
   - Cleaning up any debris
   - Ensuring that all work is completed in a manner that minimizes any negative impact on the environment.

MEASUREMENT AND PAYMENT:

1. The quantities of the contract work provided will be measured for the purpose of determining the amount of compensation due to the contractor. The quantities shall be determined by the appropriate measuring agent.

LEAKAGE AND PRESSURE TESTING:

1. Leakage and pressure testing shall be in accordance with JCA water and wastewater standards.

EXISTING UTILITY PROTECTION:

1. The contractor shall notify the Public Service Company of Colorado (PSCo) of any existing service lines to avoid contact during excavation.

CONTRIBUTION OF THE CONTRACTOR:

1. The contractor shall contribute to the improvement of the construction site by maintaining a clean and safe environment for all workers and the public.

INDEX OF DRAWINGS:

- [List of drawings and specifications, including drawings for specific areas such as electrical, mechanical, and construction details.]

NOTES:

- [General notes and instructions related to the construction project, including safety guidelines, quality control measures, and project management information.]
CONFORMED TO CONSTRUCTION RECORDS

SUGGESTED SEQUENCE OF CONSTRUCTION

1. DURING 4 HOUR PLANT SHUTDOWN INSTALL 3" PVC PIPE HOE PIPING AND VALVES AT THE SOUTH CONNECTION TO ALLOW ISOLATION OF NEW HOE PIPING DURING CONSTRUCTION. SHUTDOWN SHALL START AT 10:00PM ON ANY DAY OF THE WEEK COORDINATED WITH JEA.

2. DURING 4 HOUR PLANT SHUTDOWN INSTALL, PIPING AND VALVES AT THE SOUTH CONNECTION TO ALLOW ISOLATION OF NEW HOE PIPING DURING CONSTRUCTION. SHUTDOWN SHALL START AT 10:00PM ON ANY DAY OF THE WEEK COORDINATED WITH JEA.

3. INSTALL NEW 2" HOE PIPING.

4. TEST NEW 2" HOE PIPING.

5. INSTALL NEW 6" PIPE.

6. TEST NEW 6" PIPE.

7. DURING 4 HOUR PLANT SHUTDOWN INSTALL NEW 6" PVC PIPE AND VALVES, REMOVE TEMPORARY 10" PIPING AND INSTALL THE NEW 2" HOE PIPING.

8. OPERATE EXISTING PUMP STATION AND PLANT THROUGH NEW HOE PIPING.

9. REMOVE AND CHARGE pipe AS NEEDED TO ISOLATE EXISTING 30" PIPING AND DRAIN REMAINING FUEL.

10. INSTALL 10" VALVES IN VERTICAL RISER PIPES AT EACH 898 location. EACH VALVE SHALL BE INSTALLED DURING 4-HOUR PLANT SHUTDOWN AT 10:00PM ON ANY DAY OF THE WEEK COORDINATED WITH JEA.

11. CONTRACTOR TO COORDINATE ALL ABOVE GRADE 10" HOE TEMPORARY PIPE VALVES, ETC. WITH JEA.

12. CONTRACTOR TO SUBMIT SEQUENCE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY JEA AT THE PRE-CONSTRUCTION MEETING.

13. CONTRACTOR TO COORDINATE ALL SHUTDOWN WORK WITH JEA.

TEST HOLE DATA

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<th>TEST HOLE</th>
<th>TYPE OF UTILITY</th>
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VALVE TABLE

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YARD PIPING PLAN

1" = 20'

NOTE:
1. EXCAVATE A 9'x9' PIT TO EXISTING PIPE. CUT EXISTING PIPE TO FILL WITH NON-DINING GROUT. BACKFILL AND RESTORE SOIL IN ACCORDANCE WITH CASE A DETAIL.
2. SAW CUT EXISTING DAMAGED CONCRETE IN A MANNER SUITABLE FOR PLACEMENT OF NEW CONCRETE THAT IS FLUSH WITH EXISTING CONCRETE.
3. FULL AREA BELOW SLAB WITH AGGREGATE CLASS A-3 SOIL AND COMPACT TO 90% OF ITS MAXIMUM DENSITY DETERMINED BY LABORATORY MODIFIED PROCTOR TEST. THEN SITE A MINIMUM OF 2-3 FOOT DEPTH OF FLUVIATE FILL IN ACCORDANCE WITH JEA STANDARDS.
4. EXCAVATION AND CUTTING DEEPER THAN EXISTING AND NEW CONCRETE SLAB AREA, FLUVIATE FILL SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DENSITY DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASO 5-DAY.
5. DOWEL INTO EXISTING SAW CUT CONCRETE WITH #3 BAR 4" ON CENTER WITH EPOXY. PLACE A ROOSES TOWARDS OF SAW CUT CONCRETE AND REINFORCED WITH W/ - W/ A R/S. L. WATER FINISH AND CHAMFER TO EXISTING CONCRETE.
6. CONTRACTOR MAY REMOVE TREES IF IN DIRECT CONFLICT WITH THE INSTALLATION OF PIPE. ALL REMOVALS MUST BE DISCUSSED BY THE CONTRACTOR TO INSTALL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS.
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**CASE X**

**STANDARD PAVING REPAIR DETAILS**

**TYPICAL TRENCH**

**GENERAL**

**NOTE:** In some cases, partial depth concrete may be desired or required by City Engineer for surface replacement.

**OPEN CUT TRENCH FOR PRESSURE PIPE**

**PLATE W-42**

**JANUARY 2013**