

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE 1 OF PAGES 18
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 11 Aug 2003	4. REQUISITION/PURCHASE REQ. NO. W38XGR-3150-5272	5. PROJECT NO. (If applicable) DACW66-03-B-0012	
6. ISSUED BY Department of the Army Memphis District, Corps of Engineers 167 North Main Street, Rm B202 ATTN: CEMVM-CT Memphis, TN 38103-1894		CODE W38XGR	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(√)	9A. AMENDMENT OF SOLICITATION NO. DACW66-03-B-0012
				×	9B. DATED (SEE ITEM 11) 11 July 2003
					10A. MODIFICATION OF CONTRACTS/ORDER NO.
					10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This solicitation for Byhalia Road Pump Station, Desoto County, Mississippi, scheduled to open 12 AUG 2003 at 2:30 p.m., is amended as follows:

- Section 00010, Page 00010-1, Standard Form 1442, Block 13A.
- The hour and date for opening bids are rescheduled to 2:30 p.m., local time at place of bid opening 21 August 2003.

"continued on next page"

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

SPECIFICATIONS

SECTION 00800 – SPECIAL CONTRACT REQUIREMENTS, PARAGRAPH 1.31a: Delete this paragraph and replace with the following: “The Contractor shall furnish and maintain a temporary building for the exclusive use of the Government inspectors during the life of the contract. The building shall conform to the following requirements:

Floor Space	Not less than 500 sq. ft.
Height of Ceiling	Not less than 7 feet
Windows	Not less than 4
Doors	At least 1
Type of Floor	Wood or Concrete

The building shall be of light but weatherproof construction. Windows shall be arranged to open and to be fastened from the inside. All door and window openings shall be provided with suitable screens. The door shall be equipped with a durable hasp and padlock. Interior surfaces of exterior walls and ceilings shall be covered with insulating board and an inside storage room of adequate size shall be provided. The Contractor shall furnish an adequate supply of approved drinking water, sufficient electrical outlets for office calculators and equipment, running water for a toilet facility having a flushable toilet and a sink, all electricity required and sufficient fixtures for adequate lighting, and during cold weather shall furnish adequate heat. The office shall be equipped with at least five chairs, drawing table, and two desks. The field office, its location and all facilities shall be subject to the approval of the Contracting Officer. The building shall be equipped with air conditioning during hot weather.

SECTION 01451 – CONTRACTOR QUALITY CONTROL, PARAGRAPH 3.04.1: Delete the last sentence and replace with the following: “The CQC System Manager shall be assigned as System Manager but may have other duties in addition to quality control.

SECTION 02560 – SANITARY SEWERAGE, PARAGRAPH 2.03.1.A.2: Omit “?” in the first sentence.

SECTION 02560 – SANITARY SEWERAGE, PARAGRAPH 2.03.1.B.2: Replace “?” with “®” in the first and second sentence.

SECTION 02560 – SANITARY SEWERAGE, PARAGRAPH 2.03.1.B.2.c: Replace “?” with “®” in the first sentence.

SECTION 02562 – MONOLITHIC WET WELL SURFACING SYSTEM, PART 1 – GENERAL: Replace sentence with the following “To be installed to all interior surfaces of pump station wet well from top to bottom (exposed) including ceiling.”

SECTION 02562 – MONOLITHIC WET WELL SURFACING SYSTEM, Paragraph 1.01.1: Replace last sentence in this paragraph with the following: “Specifically this product is to be applied to all interior exposed surfaces of the pump station wet well from floor to ceiling including the ceiling.”

SECTION 02563 – SEWAGE FORCE MAIN, PARAGRAPH 2.01.2.B: Delete second sentence in first paragraph and replace with the following, “Valves 20 inches and smaller shall be rectangular port design”. Delete the fifth sentence.

SECTION 02563 – SEWAGE FORCE MAIN, PARAGRAPH 2.01.2.C: Replace this entire paragraph with the following: “Check valve in the pump station shall be self contained free swinging disc style. All check valves shall meet the standards of AWWA C508. All valves shall utilize a single disc mounted to a clevis hinge which prevents the disc from tipping. The valve disc shall swing open once the pump starts and allows for full flow. When closed the valve shall offer a tight shut-off. Valve body and cover shall be of Cast Iron, valve hinge shall be of Ductile Iron. Disc seating surface shall be Stainless Steel. Valve seat rings shall be Stainless Steel. The valve body shall be a bolted cover design and flanges shall be integral to body casting –not wafer style. Valve body and disc shall be designed in such a way as to minimize turbulence. Spring and cushion systems shall be externally mounted on the side of the body and do not come into contact with main line media. Valves shall be equipped with a totally Enclosed Bronze Oil Cushion with Stainless Steel Hardware. Valve hinge pins shall be Stainless Steel and conform to the industry standards set forth for cushion valves. Manufacturer should have a minimum of ten years experience supplying air and oil cushion AWWA 508 valves. Valves shall be rated for 200 p.s.i. water working pressure. Valve Hanger and Disc shall be of ductile iron conforming to ASTM A536 GR65-45-12. Hinge Pins shall conform to ASTM A276 GR304. Seat Rings shall be of Low Zinc Bronze conforming to ASTM B62 or of Stainless Steel conforming to ASTM A276 GR316.”

SECTION 02580 – NON-POTABLE WATER WELL, PARAGRAPH 1.04.C: Replace “Outer Casing: 4” diameter PVC pipe” with “Outer Casing: 6” diameter PVC pipe”.

SECTION 02580 – NON-POTABLE WATER WELL, PARAGRAPH 2.02.B: Replace “Size: 4” diameter” with “Size: 6” diameter”.

SECTION 02580 – NON-POTABLE WATER WELL, PARAGRAPH 2.04.A: Replace “Nominal Size: 4” diameter” with “Nominal Size: 6” diameter”.

SECTION 03300 – CAST-IN-PLACE CONCRETE, PARAGRAPH 2.01.13: Replace “?” with “®” in first and second sentence.

SECTION 03300 – CAST-IN-PLACE CONCRETE, PARAGRAPH 2.03.4.A: Replace “?” with “+/-”.

SECTION 03300 – CAST-IN-PLACE CONCRETE, PARAGRAPH 2.03.4.B: Replace “?” with “+/-”.

SECTION 05530 – ALUMINUM GRATING, PARAGRAPH 1.06.4: Replace “□” with “L”.

SECTION 10520 – FIRE PROTECTION SPECIALTIES: Add this entire specification section as attached to this amendment after Section 09900.

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.3: Replace the hydraulic conditions table with the following:

Design Condition	Primary Condition (Each Pump)	Intermediate Condition 1 (Each Pump)	Intermediate Condition 2 (Each Pump)	Future Condition (Each Pump)
Capacity	7,000 GPM	9,700 GPM	4,050 GPM	5,600 GPM
Total Dynamic Head	100' TDH	62' TDH	126' TDH	119' TDH
% Efficiency, (min. hyd.)	80% EFF	70 % EFF	70% EFF	80% EFF
Maximum Speed	1,200 RPM	1,200 RPM	1,200 RPM	1,200 RPM
Maximum Shutoff Head	140'	140'	140'	140'
NPSHR Minimum	7'	7'	7'	7'
Minimum Solid Size	3"	3"	3"	3"
# of Pumps pumping	1	1	2	3
Back-up Pumps	1	1	0	1

Description of Conditions:

- Primary Condition – One pump through one forcemain
- Intermediate Condition 1 – One pump through two forcemains
- Intermediate Condition 2 – Two pumps through one forcemain
- Future Condition – three pumps through two forcemains

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.9: Change the speed from “1,000 RPM (max.)” to “1,200 RPM (max.)”

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.9.D: Replace this entire paragraph with the following: “Cable leads are to enter at the top of the motor, and are to allow the cable-to-motor connection to be accomplished in the field. All power and control lead wires are to be double sealed as it enter the motor in such a manner that cable wicking will not occur. This sealing system shall consist of a rubber grommet. A cable strain relief mechanism shall be an integral part of this sealing system. Cable sealing system shall be capable of withstanding an external pressure test of 1,200 psi as well as a cable assembly pull test as required by UL or FM approved. Dual cylindrical, elastomer grommets, flanked by washers, all having close tolerance fit may be used. Motor shall be supplied with 60 feet (min.) of multi-conductor type SOW-A or W power cable and control cable. Cable sizing shall conform to NEC specifications and be UL listed or FM approved. A junction box shall be provided between the MCC and pump motor and shall be NEMA 4X with a terminal strip. Separate conduits shall be provided for the power and sensor cables to and from this box and shall be sealed to prevent sewer gas contamination. Location of this junction box shall be at or near the top slab of the pump station at a location and height to be determined by the Contracting Officer.

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.9.H: Add this sentence to the end – “The upper and lower seal materials shall be as stated above or corrosion resistant tungsten carbide.”

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.9.I: Add this sentence to the end – “The moisture detection probes shall be as stated above or a single stator

leakage sensor located in the motor housing and a lower bearing temperature monitor located in the lower bearing housing.”

SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.03.10: Delete the last eight words in the last sentence.

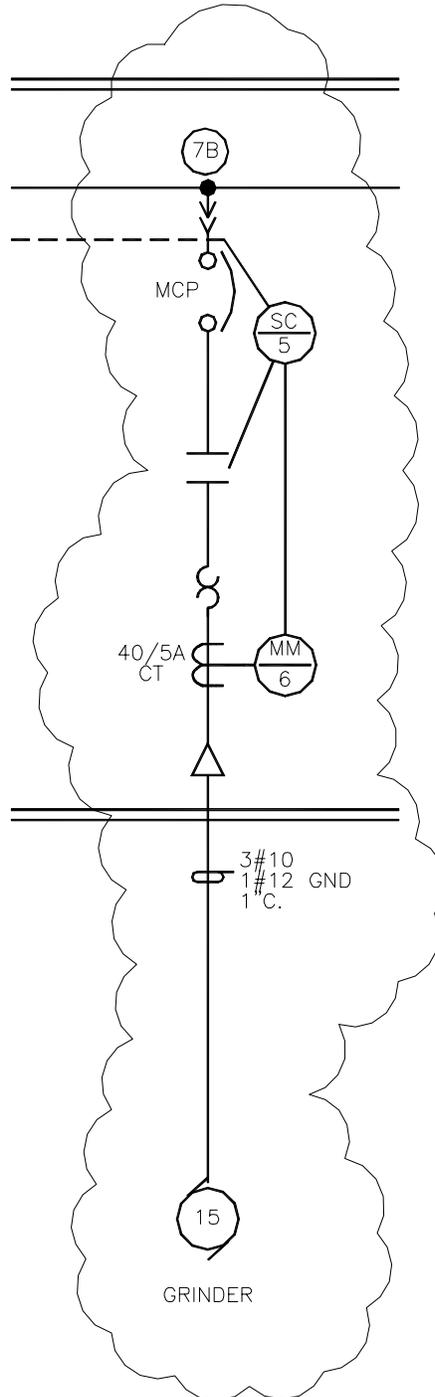
SECTION 15350 – BYHALIA ROAD PUMP STATION, PARAGRAPH 2.10.2.B: Replace “?” with “®” in the first sentence.

SECTION 15392 – HYDRAULIC GRINDER WITH ROTATING SCREENS, PARAGRAPH 2.03.2.A.2: Change the motor rating from 5-HP (3.7-kW) to 15-HP (11.9 kW).

SECTION 15392 – HYDRAULIC GRINDER WITH ROTATING SCREENS, PARAGRAPH 2.04.1.I: Replace the entire sentence with the following: “The controller shall be rated 15-HP, 480 volts, 3-phase, 60-Hz”

DRAWINGS

DRAWING E1.01 – BYHALIA ROAD PUMP STATION ELECTRICAL P&ID: Revise Drawing E1.01 in accordance with the following detail of the Grinder P&ID.



DRAWING C3.01 – BYHALIA RAOD PUMP STATION SITE PLAN: Add SK-1 to this drawing to show locations of transformer and CT panel in plan view.

DRAWING C3.01 – BYHALIA RAOD PUMP STATION SITE PLAN: Add the following note: “Geotextile separation layer, woven, shall be provided under all areas that have 9” limestone”.

DRAWING C3.07 – NON-POTABLE WELL DETAILS, WELL SECTION A: Replace note “WELL CASING 4” with “WELL CASING 6”.

DRAWING M1.01 – BYHALIA ROAD PUMP STATION PLAN: Omit mechanical joint for 54” gravity pipeline from influent manhole to pump station.

DRAWING M1.02 – BYHALIA ROAD PUMP STATION SECTION AND DETAILS: Omit mechanical joint for 54” gravity pipeline from influent manhole to pump station.

DRAWING M1.02 – BYHALIA ROAD PUMP STATION SECTION AND DETAILS: The dashed pipe shown between the valve pit and wet well should be labeled as a “6-inch Diameter Drain Pipe”.

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 10520

FIRE PROTECTION SPECIALTIES

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SECTION 10520

FIRE PROTECTION SPECIALTIES

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Fire Extinguishers
- B. Cabinets
- C. Accessories

1.02 RELATED WORK

- A. Section 09900-Field Painting

1.03 REFERENCES

- A. NFPA 10-Portable Fire Extinguishers
- B. UBC 43-6 (ASTM E814-83) - Fire-rated cabinets fabricated in accordance to measure, restore, perform.
- C. Americans with Disabilities Act 1990 - Maximum 4" cabinet projection for corridors.

1.04 QUALITY ASSURANCE

- A. Conform to NFPA 10 requirements for portable fire extinguishers.
- B. Provide fire extinguishers, cabinets and accessories by a single manufacturer.
- C. Conform to UBC 43-6 (ASTM E814-83) for fire resistive wall performance where necessary.
- D. Conform to Americans with Disabilities Act 1990 on maximum cabinet projection of 4" in corridors where necessary.

1.05 SUBMITTALS

- A. Submit brochure and product data in compliance with Section 00800 – Submittal Procedures.

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PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Where shown on the drawings, provide fire extinguishers, cabinets, accessories manufactured by J.L. Industries, Inc., 4450 West 78th Street Circle, Bloomington, MN 55435, (952) 835-6850, Fax: (952) 835-2218, or Contracting Officer approved equal.

2.02 FIRE EXTINGUISHERS

- A. Dry Chemical Type: J.L. Industries Cosmic Series, or Government approved equal
 - 1. These units shall contain specially fluidized and siliconized mono ammonium phosphate powder which smothers and breaks the chain reaction on Class B fires, fuses and insulates Class A fires, and is a non-conductor of electricity.
 - 2. Each fire extinguisher shall have a nominal capacity of 10 lbs. UL rating of 4A-60BC, height 20-1/2 inches, diameter 5 inches, red glossy epoxy coated steel cylinder, squeeze-grip operation. Furnish with manufacturer's standard hose, pressure gauge, and pull pin. Model: Cosmic 10E
 - 3. Fire extinguishers shall have the following features:
 - A. Heavy duty steel cylinder
 - B. Rugged metal valve and siphon tube
 - C. Replaceable molded valve stem seal
 - D. Exclusive corrosion and impact resistant epoxy finish
 - E. Visual pressure gauge
 - F. Pull pin
 - G. Upright squeeze grip operation approved to -65F (-52C)
 - H. Non-Toxic

2.03 FIRE EXTINGUISHER CABINETS

- A. Where indicated on drawings, provide J.L.'s Ambassador Series, model number S21-2013 door, or Contracting Officer approved equal.
- B. Trim, tub, and door material shall be steel with electrostatic red epoxy primer finish.
- C. Doors shall be formed with 5/8" nominal thickness. Door style shall be solid with pull handle and be accessorized with die cut vertical black lettering (FIRE EXTINGUISHER) on right side of door (2" x 19").
- D. Door hardware shall consist of continuous hinge and zinc plated pull handle/roller catch.

10520-2

- E. Each cabinet shall be surface mounted trim style (tub inside dimensions of 15 3/16" x 30 3/16" x 8 1/4") and installed as described on plans.
- F. Provide one (1) cabinet for each Fire Extinguisher (three total) in areas indicated on plans with exact location where directed by Contracting Officer.

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2.04 ACCESSORIES

A. Install Extinguisher Brackets for each extinguisher

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install items included in this section in locations and at mounting heights indicated, or if not indicated, at heights to comply with applicable regulations of governing authorities.

1. Prepare recesses in walls for fire extinguisher cabinets as required by type and size of cabinet and style of trim and to comply with manufacturer's instructions.
2. Securely fasten mounting brackets and fire extinguisher cabinets to structure, square and plumb, to comply with manufacturer's instructions.

PART 4 – COMPENSATION

4.01 PAYMENT

No separate payment. Payment for all work in this section shall be included in the lump sum bid price for Byhalia Road Pump Station in the Bid Form.

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BYHALIA ROAD PUMP STATION QUESTIONS - CAJUN CONSTRUCTORS 1

Please review the attached questions regarding the above referenced project and respond accordingly:

1) Is a building permit required to be purchased for this project?

It will be the responsibility of the Contractor to meet all federal, state and local codes. It is the responsibility of the Contractor to check with the county and to obtain a permit if one is required.

2) Drawing Sheet C3.00, Note #9: Does this note mean that Contractor cannot clear temporary easement for construction use without replacing existing vegetation?

Temporary easement may be cleared after crop owner is given ample notice and sufficient time to harvest his crop prior to construction notice to proceed. Contractor shall fertilize and seed all areas where existing vegetation is removed or disturbed.

3) Will sewer transmission lines by others be completed before or after completion of this project? (i.e. will Contractor tie into existing line, or lay new lines to correct point, then cap or plug?

Communication with contractors working on adjacent projects will be required. Contractor shall be prepared to tie to existing line or provide a cap or plug at the contract limits depending on construction timing and progress.

4) There is a specification for rip rap, but none is shown on the plans. Is any riprap required?

See Amendment #1.

5) There is a definition provided for select backfill for pipe, but no definition for select backfill for other areas (i.e. select backfill bid item). Please clarify.

Select backfill for "other areas" shall be as defined as fill materials in SECTION 02200, paragraph 2.02.

6) Is the non-potable water well a requirement? There is no location shown for it on the drawings, and specifications indicate it can be abandoned if not successful. Please clarify.

Yes, the well is a requirement. Location can best be determined in the field with coordination with contractors operations. If not successful (meaning water is not reached), the well will have to be abandoned in accordance to MDEQ requirements. Additional attempts will be made at the discretion of the Contracting Officer.

7) Drawing Sheet C3.00: Please provide a specification for the fire extinguishers called for on this drawing.

Specification will be added by Amendment #2.

8) Drawing Sheet C3.02: What type of connection is to be made to existing 54" gravity line (by others).

Type of connection shall be governed by type of pipe selected for construction. Communication with contractors working on adjacent projects will be necessary to determine type of connection needed to meet most stringent requirements of jointing and testing specifications. Dissimilar pipes shall be jointed with water-tight adaptor couplings and the completed jointing shall be covered with a concrete encasement. See SECTION 02560, paragraph 3.11.

9) Is 54" Influent line to be RCP Pipe or Ductile Iron pipe? Specifications call for gravity lines to be RCP, but drawings show flanged or mechanical joint connections. Also, if RCP, please provide a detail for the penetration of the wetwell wall.

Refer to specification SECTION 02560 – SANITARY SEWERAGE for gravity pipe options. Reinforcing detail of opening for pipe is shown on S1.04. Mechanical joint illustrated on M1.01 and M1.02 is incorrect and can be ignored. See SECTION 02560, paragraph 3.14 for pipe connections to wetwell.

BYHALIA ROAD PUMP STATION QUESTIONS - CAJUN CONSTRUCTORS 2

1) Drawing Sheet M1.02: Section 1 shows what is apparently a pipe or a wall blackout between valve pit and wetwell. This is not shown on any other drawings. Please provide a detail for this item.

The dashed pipe shown between the valve pit and wet well should be labeled as a "6-inch Diameter Drain Pipe" on sheet M1.02 and should be located near the bottom of the valve pit/wet well wall center and slope as shown to the wet well. The bottom of the valve pit shall slope towards this drain pipe.

2) Specification Section 03300-13: Thoroseal is indicated to be applied to pump station walls, but Specification Section 02562 specifies a different coating to be applied to pump station interior. Please clarify.

Coating as specified in SECTION 02562 is the only surfacing system necessary on the interior of the pump station wet well. The Thoroseal is not required on the interior of the pump station wet well. The Thoroseal shall be applied to the exterior of all concrete structures and the interior of the valve pit, in two coats, in accordance with manufacturer's recommendations. The second coat shall be a different color than the first coat.

3) Specification Section 02562: Is the coating specified in this section to be applied only to the pump station interior, or do influent manhole and mag meter manhole require this coating also?

Last sentence in SECTION 02562, Paragraph 1.01.1 states “Specifically this product is to be applied to all interior exposed surfaces of the pump station wet well from floor to ceiling including the ceiling”. Influent manhole is to be manufactured of Dynastone concrete or Polymer concrete.

4) Specification Section 15350: What are the approved pump manufacturers?

There are no pre-approved pump manufacturers.

5) Specification Section 16231: What are approved generator manufacturers?

There are no pre-approved generator manufacturers.

BYHALIA ROAD PUMP STATION QUESTIONS - SHELBY ELECTRIC

1. Will the utility company furnish and install the pad mounted transformer, CT panel and meter indicated in Note #8, Drawing E1.01?

Entergy will provide and install transformer, CT panel, meter, and primary service wire. The contractor is to provide transformer pad and all conduits for primary service. A pull rope is to be provided by the contractor for use by Entergy for installation of primary service.

2. Location of above mentioned equipment in relation to the new MCC?

See SK-1 for locations.

3. Location of nonpotable well?

Location of nonpotable well shall be determined in the field with coordination with contractors operations.

4. All conduit on this project to be galvanized rigid steel?

PVC conduit encased in 6” of concrete all around can be provided for underground service. All bends must be galvanized steel. All above ground conduits must be galvanized steel. Contractor shall provide a spare conduit run from the pole to the transformer. This conduit will have to also be encased in 6” of concrete all around if PVC.

**BYHALIA ROAD PUMP STATION
PRE-BID MEETING 7-29-03
QUESTIONS - GENERAL**

1) Power lines

If necessary, arrangements shall be made by the contractor to have power lines raised or relocated. No additional payment will be made for relocation of power lines.

2) Gas Line

Gas lines and other utilities shall be protected in accordance with SECTION 02560, paragraphs 1.03 and 1.04.

3) Riprap

See Amendment #1.

4) Geotextile Fabric

Geotextile fabric shall be required as shown on sheet C3.03 - Access Road Section, and all other areas between compacted fill and crushed limestone.

5) Line in place for jacking and boring

Communication with contractors working on adjacent projects will be required. Contractor shall be prepared to tie to existing line or provide a cap or plug at the contract limits depending on construction timing and progress.

Type of connection shall be governed by type of pipe selected for construction. Communication with contractors working on adjacent projects will be necessary to determine type of connection needed to meet most stringent requirements of joint and testing specifications. Dissimilar pipes shall be jointed with water-tight adaptor couplings and the completed jointing shall be covered with a concrete encasement. See SECTION 02560, paragraph 3.11.

6) Full-time quality control required?

See Amendment #2 for change.

7) Trailer required?

The contractor shall furnish a temporary field office building. Refer to Amendment #2 for change to SECTION 00800, paragraph 1.31. All costs associated with providing the necessary temporary utilities including electrical is to be included in contractor's bid.

8) Excavations as backfill?

Material deemed suitable by the Contracting Officer that is excavated material may be used for backfill. See SECTION 02200, paragraph 2.02 for material requirements. See SECTION 02200, paragraph 3.07 for backfill placement and compaction requirements.

9) Property status?

Property acquisition has been finalized

10) Corn crop?

Site, including temporary easement, may be cleared after crop owner is given sufficient time to harvest prior to notice to proceed.

11) Organic matter?

12" layer of stripped topsoil may be replaced after backfilling if organic matter has decomposed. The contractor shall dispose of any topsoil containing organic matter. See SECTION 02200, paragraphs 3.02 and 3.10

12) Dewatering and discharge?

Dewatering is anticipated. Water levels shall be lowered and maintained in accordance with SECTION 02220 and SECTION 02560, paragraph 3.07.

13) SCADA system?

A Remote Telemetry Unit with software and programming for integration into the owner's SCADA system shall be provided. The Central Telemetry Unit and Human Machine Interface programming shall be modified by the contractor to incorporate communications and monitoring of the RTU. A Radio Modem Transceiver with antenna, coaxial cables, and mast for communication with existing SCADA system shall be required. See SECTION 16480, paragraph 2.02 for details.

14) Drawings and design stamped for sheet piling?

A sheeting/shoring plan designed by a structural engineer shall be submitted prior to construction. Refer to SECTION 02200, paragraph 3.04

