



DEPARTMENT OF PURCHASING & CONTRACT COMPLIANCE

Winner 2000- 2007 Achievement of Excellence in Procurement Award

National Purchasing Institute

Jerome Noble, Director



June 18, 2008

Re: 08ITB61876K-DB
S118 Big Creek WRF Effluent Filter Rehabilitation

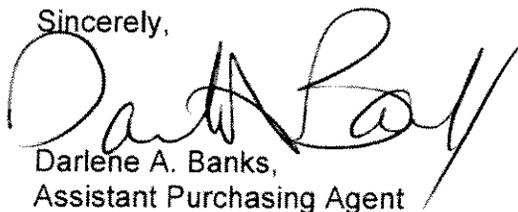
Dear Bidders:

Attached is one (1) copy of Addendum 2, hereby made a part of the above referenced Bid #08ITB61876K-DB, S118 Big Creek WRF Effluent Filter Rehabilitation.

Please note that this addendum changes the bid date from Monday, June 23, 2008, to Thursday, June 26, 2008, at the same place and time.

Except as provided herein, all terms and conditions in the Bid referenced above remain unchanged and in full force and effect.

Sincerely,



Darlene A. Banks,
Assistant Purchasing Agent

This Addendum forms a part of the contract documents and modifies the original Bid documents as noted below:

See attached documents

Modifications to Drawings and Specifications:

- Item 1. Delete Section 01055 in its entirety.
- Item 2. Section 01740, Page 1, Article 1.01, Paragraph B, first sentence,
Change, "The Contractor shall warrant for a period of one year
from the date of Owner's written acceptance of certain
segments of the Work and/or Owner's written final
acceptance of the Project, as defined in the Contract
Documents, that the completed Work...."

To

"The Contractor shall warrant for a period of one year
from the date of Owner's written final acceptance of
the Project that the completed Work...."
- Item 3. Section 11233, Page 5, Article 3.03,

Delete third sentence: "The contractor shall supply all
electric power necessary to complete field tests."
- Item 4. Section 13226, Page 1, Article 1.01, delete Paragraph C and
replace with the following new Paragraph C:

"C. All existing filter media, including sand and gravel shall be
removed and disposed of by the contractor off site."
- Item 5. Section 13226, Page 1, Article 1.02, delete Paragraph A and
replace with the following new Paragraph A:

"A. Contractor shall exercise care while removing sand media
and gravel. Refer to filter underdrain manufacturer for
removal instructions."
- Item 6. Section 15100, Page 7, Article 2.06, following Paragraph B, add
new Article(s) 2.07 and 2.08 as follows:

"2.07 Pressure Gauge

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- A. Type: Bourdon tube or bellows, as required by pressure range, with blowout protection. Provide glycerine filled gauge as required by schedule.
- B. Dial: 4.5-inch, white face with black lettering.
- C. Materials:
 - 1. Case: Phenolic.
 - 2. Lens: Acrylic.
 - 3. Bourdon Tube and Socket: 316 stainless steel (bronze and brass if diaphragm seal is used).
 - 4. Movement: Stainless steel.
- D. Accuracy: +/- 0.5 percent (Grade 2A).
- E. Connection Size/Location: 1/2 inch/lower.
- F. Snubber: 316 stainless steel as required by schedule.
- G. Diaphragm Seal: As required by schedule, provide diaphragm seal with flushing connection:
 - 1. Seal: Welded diaphragm.
 - 2. Upper Housing Material: Carbon steel.
 - 3. Lower Housing Material and Diaphragm Material: As noted in schedule below.
 - 4. Upper Connection Size/Type: 1/2 inch/NPT.
 - 5. Lower Connection Size/Type: 1/2 inch/NPT.
 - 6. Fluid Fill: Glycerine.

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Pressure Range	Diaphragm Seal	Lower Housing and Diaphragm Material	Gauge Fill	Snubber Required
0-60 PSIG	NO	-	YES	NO

H. Acceptable Manufacturers: Ashcroft, Dwyer, U.S. Gauge.

2.08 Air Release Valves (Type I)

Valves shall be automatic air release valves designed to allow escape of air under pressure and close watertight when liquid enters the valve. The valve shall have a maximum orifice diameter of 5/16 inch. The valve body shall be cast iron, designed to facilitate disassembly for cleaning and maintenance. The float shall be stainless steel; the valve seat and all working parts shall be of corrosion resistant materials. Valves shall be equipped with the necessary attachments, including valves, quick disconnect couplings and hose, to permit back flushing after installation without dismantling the valve. Valves shall be recommended by the manufacturer for wastewater service."

Item 7. Section 17000, Page 10, Article 1.05, Paragraph G, after new Subparagraph 4, add new Subparagraph 5 as follows:

- "5. Global Control Systems, Smyrna, Georgia
- 6. Turbitrol Company, Austell, Georgia"

Item 8. Revise Sheet P0.2 in accordance with Sketch P-3 included with this addendum.

Item 9. Revise Sheet P0.5 in accordance with Sketch P-1 included with this addendum.

Item 10. Sheet P0.7, bottom left corner, notes section, delete Note 1 and replace with new Note 1 as follows:

- "1. REMOVE ALL OLD FILTER MEDIA FROM THE PROJECT SITE AND DISPOSE OF MEDIA ALONG WITH ALL OTHER REJECTED FILTER DEBRIS AT A SUITABLE DISPOSAL SITE."

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- Item 11. Revise Drawing P0.8 in accordance with Sketch P-2 included with this addendum.

- Item 12. Revise Sheet I0.9 in accordance with Sketch I-1 included with this addendum.

Questions and Responses:

1. **QUESTION:** Will the warranties start at substantial completion of the entire project or at completion of each filter pair as they are completed? Are the preselected equipment manufacturers aware of when the warranties are to start?

RESPONSE: See Addenda Item 2 in Modifications to Drawings and Specifications above .
2. **QUESTION:** Can the overhead crane in the blower room be used for construction?

RESPONSE: Yes.
3. **QUESTION:** Should the expansion couplings between the backwash water pumps and the check valves also be replaced?

RESPONSE: Yes. See Addenda Item 9 in Modifications to Drawings and Specifications above.
4. **QUESTION:** Are we required to replace existing conduit where it does not meet the specifications of this project?

RESPONSE: Only if clearly indicated on the drawings as conduit to be removed and replaced. In general where not indicated conduit is to be reused.
5. **QUESTION:** Reference sheet P0.8. Which doors are to be replaced (only one is indicated)?

RESPONSE: See Addenda Item 11 in Modifications to Drawings and Specifications above.
6. **QUESTION:** Reference sheet P0.8. Would we be allowed to replace the whole door frame in lieu of modifying the existing frame as indicated?

RESPONSE: No.
7. **QUESTION:** Sheet P0.7, Note #1 indicates the Contractor is to wash, remove, and store sand media for reuse. The Bid Form in Spec. Section 00300 indicates an equipment allowance of \$1,228,900 is to be carried for the Severn Trent Filters, Filter Media, and Appurtenances. Per Addendum

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#1, we have contacted Peter Ritchey with Severn Trent and it appears their scope in fact includes the 6' bed depth of sand. Is the sand media to be reused in some other capacity? If not required, is it the Contractor's responsibility to dispose of? Is this media biologically active??

RESPONSE: See Addenda Items 4, 5, and 10 in Modifications to Drawings and Specifications above. The sand media was to be stored for future use, but that scope has been deleted, the media will be disposed of by the Contractor.

8. **QUESTION:** Sheet P0.8, Section 1 details existing door modifications. We assume that this is not "typical" and only occurs at one door. Also in reference to this detail, we assume that the door modifications will be part of the alternate 1 price. Please confirm.

RESPONSE: See response to Question No. 5, above. Four doors are to be replaced and frames modified. All work shown on Sheet P0.8 is to be included in the alternate 1 price.

9. **QUESTION:** Section 01055, page 2 indicates that there is a Construction Surveying Cash Allowance. We are unable to find said allowance. If required, please indicate the amount to be included in the bid.

RESPONSE: See Addenda Item 1 in Modifications to Drawings and Specifications above.

10. **QUESTION:** The P & ID drawing number I0.9 shows what looks like a backpressure valve on the discharge side of the Backwash pumps. This valve is not shown on the process drawings. Is this valve required in all three pump discharges?

RESPONSE: . See Addenda Item 12 in Modifications to Drawings and Specifications above.

11. **QUESTION:** The P & ID drawing number I0.9 shows no new piping or valves on the suction side of the three new Backwash pumps. The process drawing P0.5 seems to indicate that the existing plug valve AND the expansion joint get replaced on each of the three pump suction lines. Which drawing is correct?

RESPONSE: See Addenda Item 12 in Modifications to Drawings and Specifications above.

12. **QUESTION:** The P & ID drawing number I0.9 shows no new gate valves on the discharge side of the three new Backwash pumps. The process drawing P0.5 appears to indicate that the existing gate valve gets replaced on each of the three pump discharge lines. Which drawing is correct?

RESPONSE: See Addenda Item 12 in Modifications to Drawings and Specifications above.

13. **QUESTION:** Drawing P0.2 note 3 seems to indicate that only the check valves get replaced and NOT the suction plug valve nor the discharge gate valve on the backwash pump pipe lines. Is this a correct assumption?

RESPONSE: See Addenda Item 8 in Modifications to Drawings and Specifications above.

14. **QUESTION:** Do the existing Air Release valves that are on the split case backwash pumps get reinstalled on the new Backwash pumps?

RESPONSE: See Addenda Item 8 in Modifications to Drawings and Specifications above.

15. **QUESTION:** Do the existing gauges on the existing Backwash pumps get reinstalled on the new Backwash pumps?

RESPONSE: See Addenda Item 8 in Modifications to Drawings and Specifications above.

16. **QUESTION:** General conditions section 00700-65. Payroll reports as required by the owner's controlled insurance program – Will payroll reports be required? Please provide information on the owner's controlled insurance program

RESPONSE: No. There is no Owner Controlled Insurance Program for this project.

17. **QUESTION:** Are the 12" flanged expansion joints on the backwash pumps to be reused or are new ones to be provided? If new expansion joints are to be provided, please provide specifications.

RESPONSE: See Addenda Item 8 in Modifications to Drawings and Specifications above.

18. **QUESTION:** Specification section 11233 states "The contractor shall supply all electric power necessary to complete field tests". Please provide details on how the amount of power used will be measured, how long field test will last, and what is the cost of a KW of power.

RESPONSE: See Addenda Item 3 in Modifications to Drawings and Specifications above.

19. **QUESTION:** Specification section 13226 states "Contractor shall exercise care to recover as much sand media a physically possible with out gravel". Please provide additional direction – the amount of recovered sand will vary with method of removal (hand shoveling could produce a larger amount of salvaged sand vs. vacuum truck)

RESPONSE: See Response to Question 7 above.

20. **QUESTION:** Plan sheet P0.7, note 1 "wash, remove and store sand media for reuse, replace the lost and unacceptable sand with new sand as specified". Please provide additional direction – How are we to wash media? (Wash with garden hose) What criteria will be used to determine the amount of sand that is lost and/or unrecoverable? How much sand is in each filter now? What percentage of loss is acceptable? Is the replacement sand the same that is specified in section 13226.2.02?

RESPONSE: See Response to Question 7 above.

21. **QUESTION:** Plan sheet P0.3, note 4 states "replace motorized operators on all chlorine solution ball valves". Specification section 11205 lists the 12 chlorine solution valves with the word "none" in the column labeled Valve status. Are the motors for these 12 valves to be replaced? Plan sheet I0.5 depicts new instrumentation with each of the chlorine solution valves, is this part of the new motors?

RESPONSE: Section 11205, Table 1, the column for Valve Status is meant to indicate changes to the valve itself. "None" indicates no change to the valve (adjustment or replacement) is required. However, as indicated on Sheet P0.3, the motorized actuators shall be replaced for these valves.

22. QUESTION: Is Global Control Systems (data attached) approved as an acceptable manufacturer for section 17000?

RESPONSE: See Addenda Item 7 in Modifications to Drawings and Specifications above.

23. QUESTION: Drawing I0.9, backwash pumps – a pressure gauge is shown on the discharge of each pump. Please provide specifications for these gauges. A pressure control valve is also shown; please provide specifications for these valves.

RESPONSE: See Addenda Items 6, 8, 9 and 12 in Modifications to Drawings and Specifications above.

24. QUESTION: Addendum #1, item 2. With filters #1 & #12 currently out of service how is the contractor to comply with the requirement to have "only two filters out of service at any one time" and work on pairs of filters? (If the contractor is working on filters #1 & #3 which will be controlled by filter control consol 41-lcp-1-3, and filter #12 is still not operational then 3 filters will be out of service).

RESPONSE: See Section 01011, Article 1.06, Paragraph B. The end of the third sentence states "... with an exception for the first pair of filters rehabilitated." It further states that either pair 1 and 3 or pair 10 and 12 must be rehabilitated first so as to limit the time when three filters will be out of service at one time to the first pair rehabilitated.

25. QUESTION: Note on Dwg # P0.7 states the "...Wash, remove, and store sand media for reuse..." Where is the Owner's intended storage location for the removed media? Is the storage location in close vicinity to the Filter Bldg?

RESPONSE: See Response to Question 7 above.

26. QUESTION: In accordance with Division 17, can the Owner add Turbitrol Company to the list of acceptable manufacturers?

RESPONSE: See Addenda Item 7 in Modifications to Drawings and Specifications above.

27. **QUESTION:** Does Section 11205 – Motorized Actuators also refer to the 3-inch PVC Chlorine Solution Valves? The existing Chlorine Solution Valve actuators appear to be of a much simpler design than Section 11205 would require. If Section 11205 does not apply to the Chlorine Solution Valves, then please furnish an alternate specification for the Chlorine Solution Valve actuators?

RESPONSE: Yes. See Section 11205, Table 1, which lists the chlorine solution valves.

28. **QUESTION:** Sheet I0.9 – Backwash Pumps 43-BWP-01, -02, -03: What is the symbol shown in each of the pump discharge pipes immediately downstream of the pressure gauges? Do they indicate a type of valve to be included in the scope of work, in addition to the new cushioned check valves?

RESPONSE: See Addenda Item 12 in Modifications to Drawings and Specifications above.

29. **QUESTION:** Sheet P0.6 – Section A: Are the weir plates at El. 870.50 existing weir plates, and are they the “rectangular weirs” mentioned on Page 17000 – 4, Paragraph E., Subparagraph 1, in the third sentence?

RESPONSE: Yes, yes.

30. **QUESTION:** Sheet P0.6 – Section A: Are the “filter level transmitter”, and “transducers @ effluent flow weirs”, existing instruments? Are they replaced by the new “Level Transmitter – Ultrasonic”, and “Flow Transmitter – Ultrasonic”, supplied by Section 17000?

RESPONSE: See Sheets I0.3 through I0.8, E0.4, and E0.5, which show these existing level transmitters as being replaced with new instruments as specified in Section 17000.

31. **QUESTION:** Section 13226 – Filter Media, 1.01 Scope, Paragraph C. states that existing sand media shall be stockpiled at an on-site location determined by the Owner. Page 13221 – 7, 3.05 Clean-Up seems to indicate removal of existing sand media from the job site. Please clarify if existing sand media is to be removed from the site?

RESPONSE: See Response to Question 7 above.

32. **QUESTION:** There seems to be no door specification. Will the engineer provide a specification referencing the Doors, Frames, and Hardware?

RESPONSE: See Sheet P0.8, top right corner.

33. **QUESTION:** Note 4 on drawing P0.3 requests a replacement of the motor operators for the 3" Chlorine valves. There is no note on any of the electrical drawings requesting to disconnect and reconnect the wiring to these motor operators. Please advise which discipline does this work.

RESPONSE: See Drawing E0.5, "Filter Wiring Detail", Item Tag "9" and Note 2 show wiring for the chlorine valve operators.

34. **QUESTION:** Please clarify that Section 01020 – Equipment Allowances, 1.05-B. Valves, includes only Section 15100 - Butterfly Valves, and does not include Section 11205 – Motorized Actuators for either existing or new valves?

RESPONSE: Correct.

35. **QUESTION:** Is it possible to schedule any other site visits?

RESPONSE: Yes. Contact Mr. John Bartelmo at 770 642 0455 to request a site visit.

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ACKNOWLEDGEMENT OF ADDENDUM NO. 2

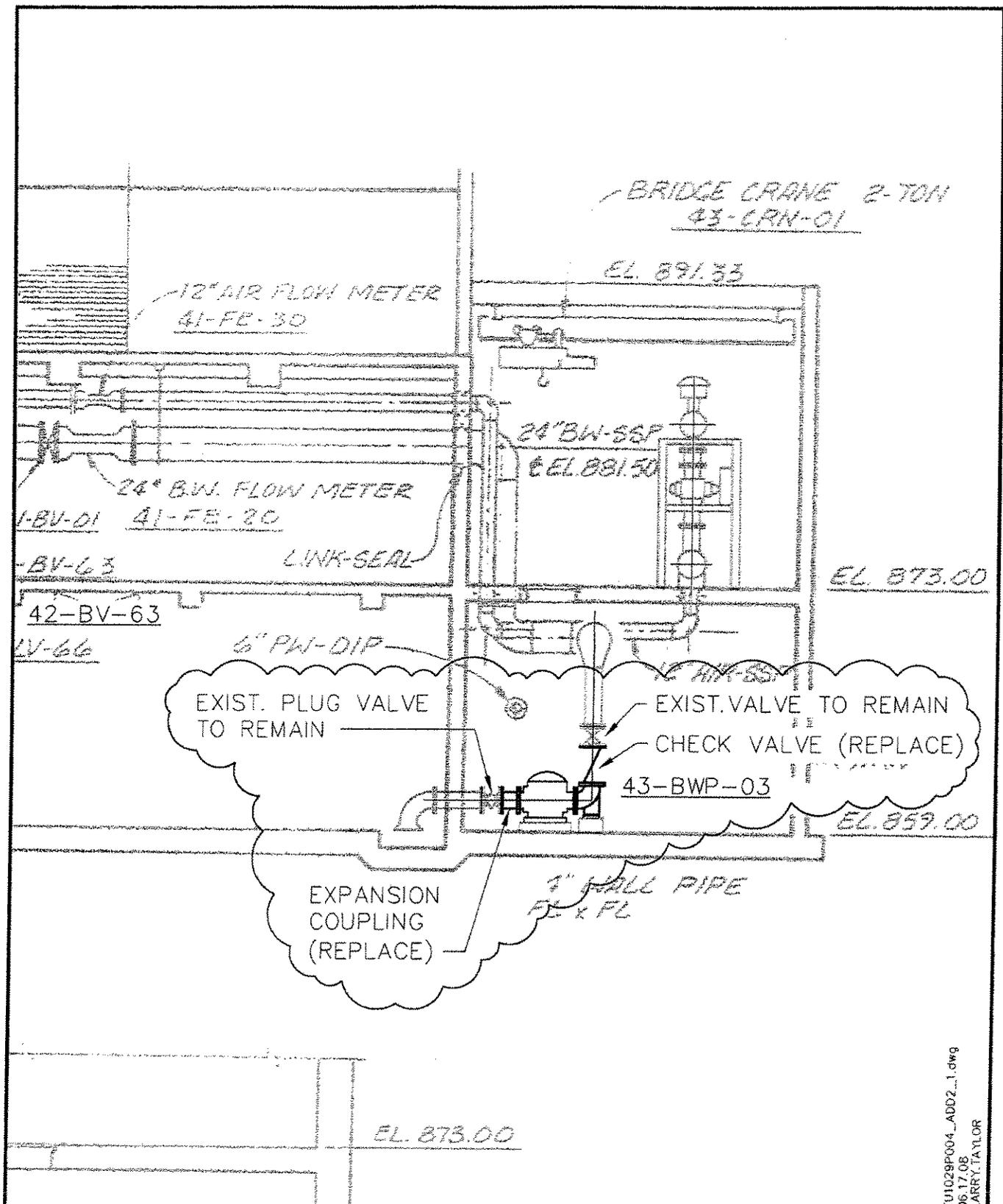
The undersigned bidder acknowledges receipt of this addendum by returning one (1) copy of this form with the bid package to the Purchasing Department, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the Bid due date and time on **June 26, 2008** at 11:00 A.M.

This is to acknowledge receipt of Addendum No. 2, _____ day of _____, 2008.

Legal Name of Bidder

Signature of Authorized Representative

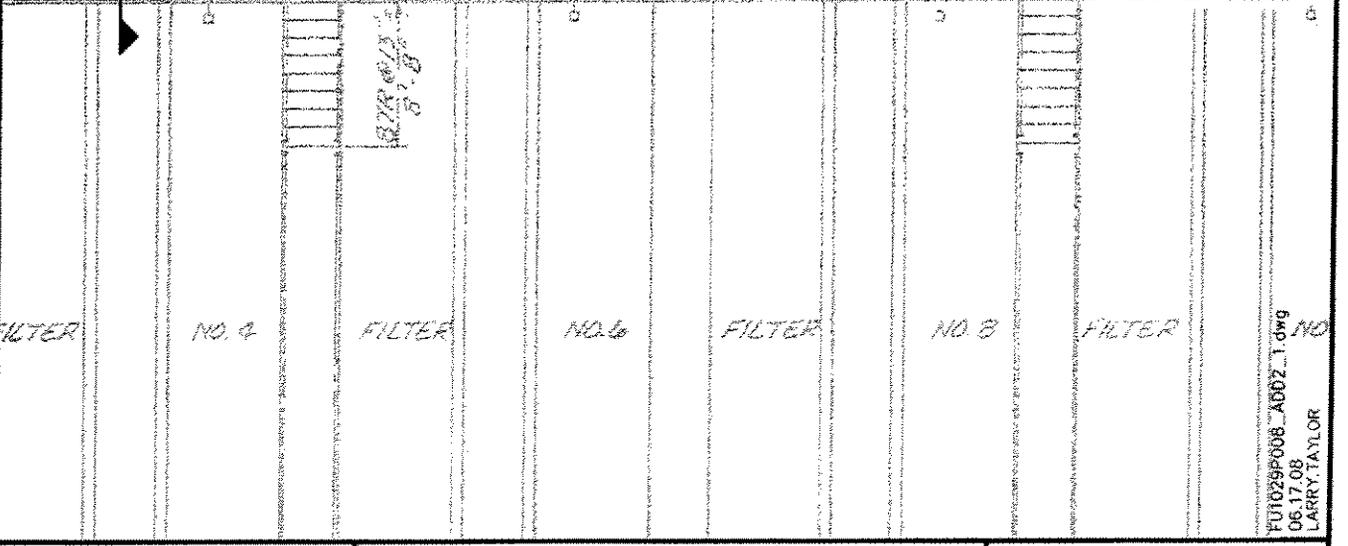
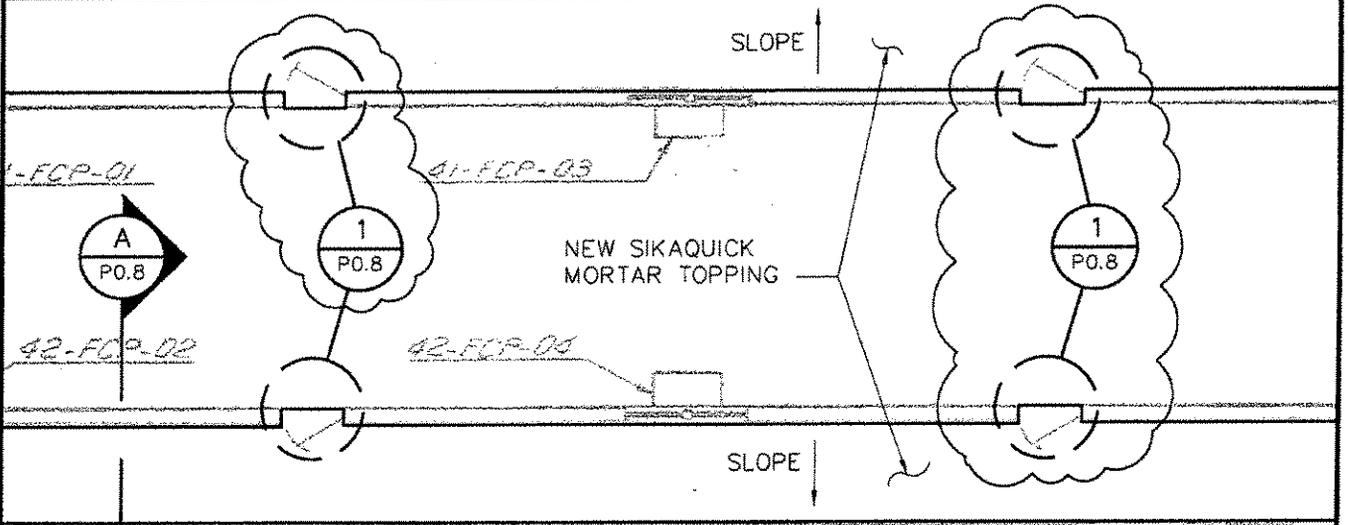
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06.17.08
LARRY TAYLOR

 JORDAN JONES & GOULDING	EFFLUENT FILTERS REHABILITATION BIG CREEK WRF	PROJECT NO.: 2016.029 DATE: 06-16-08 SCALE: NONE
	SECTIONS	ADDENDUM NO.: 2 SHEET REVISED: P0.5 SKETCH NO.: P-1

FILTER NO. 3 FILTER NO. 5 FILTER NO. 7 FILTER NO. 9



EFFLUENT FILTERS REHABILITATION
BIG CREEK WRF

TOP PLAN
MODIFICATIONS TO WALKWAY

PROJECT NO.: 2016.029
DATE: 06-16-08
SCALE: NONE
ADDENDUM NO.: 2
SHEET REVISED: P.08
SKETCH NO.: P-2

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06.17.08
LARRY TAYLOR

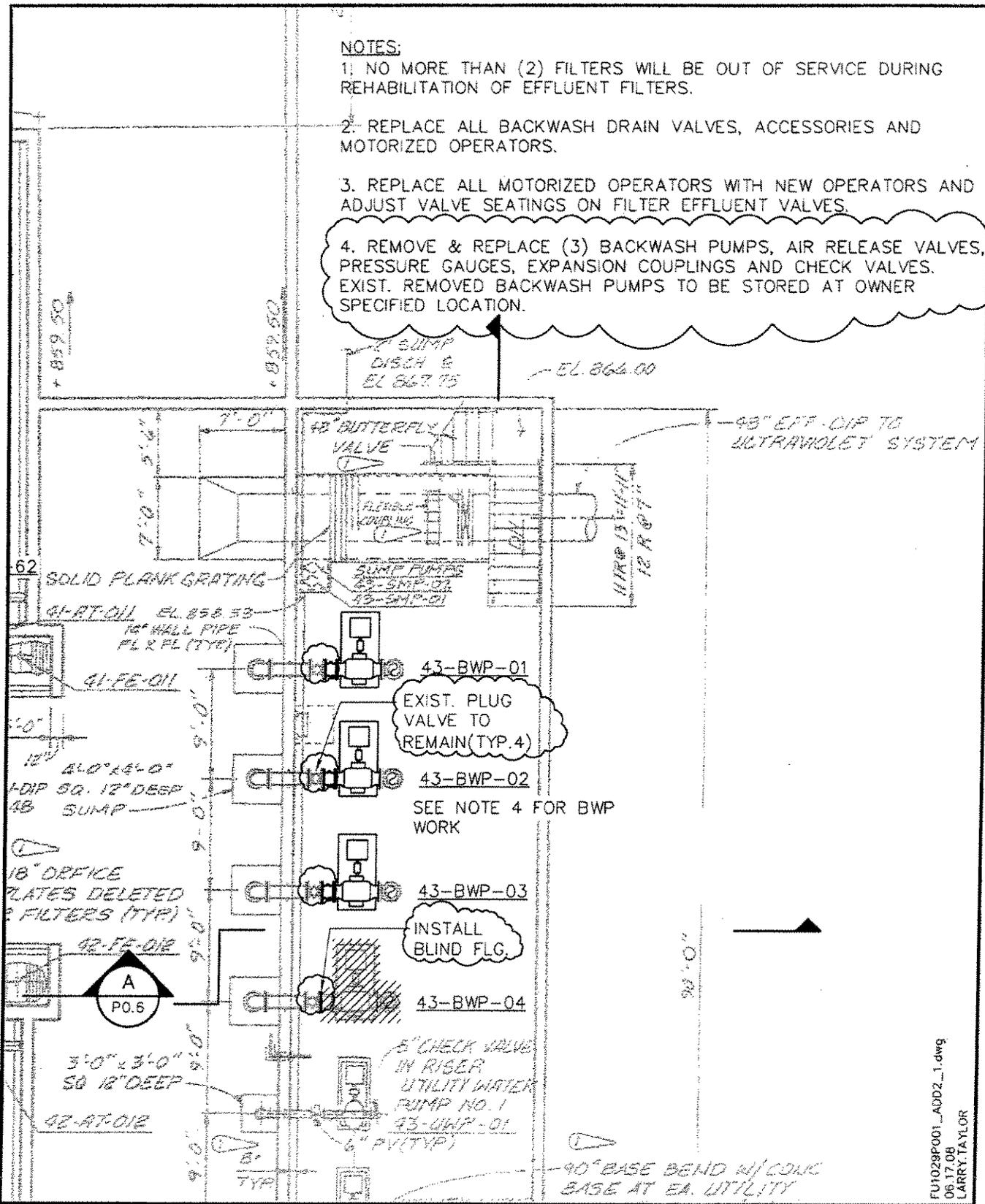
NOTES:

1. NO MORE THAN (2) FILTERS WILL BE OUT OF SERVICE DURING REHABILITATION OF EFFLUENT FILTERS.

2. REPLACE ALL BACKWASH DRAIN VALVES, ACCESSORIES AND MOTORIZED OPERATORS.

3. REPLACE ALL MOTORIZED OPERATORS WITH NEW OPERATORS AND ADJUST VALVE SEATINGS ON FILTER EFFLUENT VALVES.

4. REMOVE & REPLACE (3) BACKWASH PUMPS, AIR RELEASE VALVES, PRESSURE GAUGES, EXPANSION COUPLINGS AND CHECK VALVES. EXIST. REMOVED BACKWASH PUMPS TO BE STORED AT OWNER SPECIFIED LOCATION.



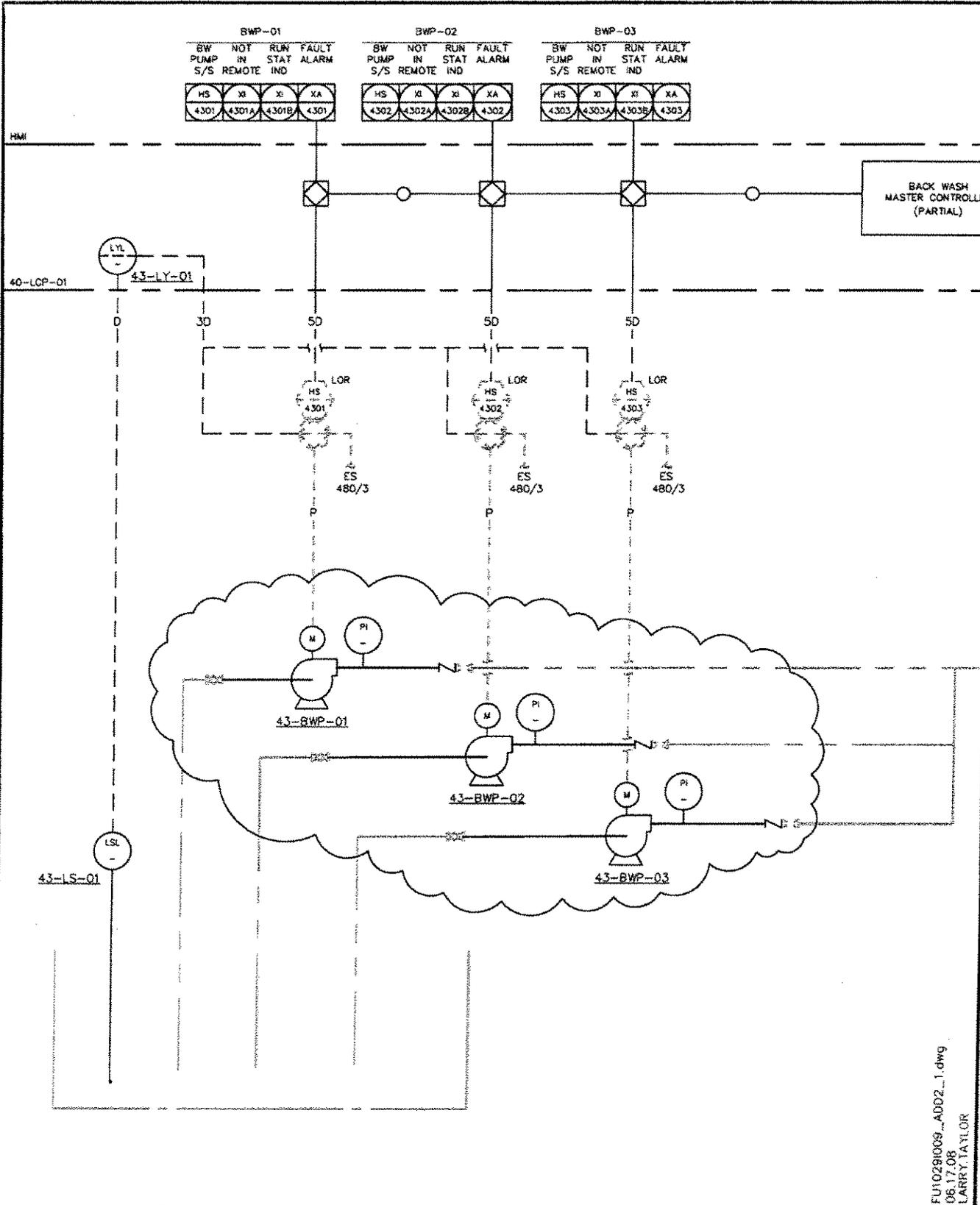
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 06.17.08
 LARRY TAYLOR



EFFLUENT FILTERS REHABILITATION
BIG CREEK WRF

PROJECT NO.: 2016.029
 DATE: 06-16-08
 SCALE: NONE
 ADDENDUM NO.: 2
 SHEET REVISED: P0.2
 SKETCH NO.: P-3

BOTTOM PLAN



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06.17.08
LARRY TAYLOR



EFFLUENT FILTERS REHABILITATION
BIG CREEK WRF

FILTER REHABILITATION
BACKWASH AND BLOWERS

PROJECT NO.: 2016.029
DATE: 06-16-08
SCALE: NONE
ADDENDUM NO.: 2
SHEET REVISED: 10.9
SKETCH NO.: 1-1