From: BEAVER PLANT
WIN: 222-1343
Date: November 2, 1989
Subject: TCE REMOVAL SYSTEM
CONSTRUCTION MEETING

To: E.F. FARLAND

Attended by: Roy Turney
Leo Wolfe
John Helsley
Tom Miller
Ed Farland
Ed Walker

The project construction meeting was held at the Westinghouse office on October 30, 1989 with the people listed above in attendance.

The concerns and comments of the VTMA and their engineer regarding the project were addressed during the meeting as follows:

DRAWING C-2

1. Reno will check with Peoples Gas on a new and closer gas service. Reno to furnish two each, 50,000 BTU (input) 40,000 BTU (Output) unit heaters for the fan/pump building and 1 each, 75,000 BTU (Input) for the high service pump building.

2. Reno will pipe downspouts to storm sewer with PVC pipe.

3. The chlorine connection change will be made last and appropriate lines will be plugged.

Drawings P-2 and P-2A

1. Drawing P-2 to be changed to show relocation of well pump #1 and #2.

2. Drawing P-2A to show well pumps 1 & 2 connected to the 10" main, as the main is not abandoned with direction of flow reversed.

Drawing P-3

1. Site Plan

   a. Interference resolved by Reno furnishing two 45° bends on the 12" influent line of tower #2.

   b. SST jackets are being furnished. There are no heat trace on the (3) tracer tower influent lines. Drain valve system is used instead.

   c. Reno to provide dressers or an equivalent flexible joint system for tower connection.

Drawing E-2

1. Panel will be located outdoors for easy access in case of emergency.

2. Remove MH1 & MH2 from specs. Westinghouse will keep one meter and utility will be divided per agreement.

Drawing E-3

1. Turney will provide outside electrical switch at chlorine room door and provide service for chlorine room heater. VTMA to provide heater and funds to cover the electrical work.

2. Reno will provide electric motor activated intake louver in wall and interlock with operation of exhaust fan. Turney to provide power. Price to be separated for VTMA submittal.

Drawing E-7

1. Turney to provide catalog cuts and location of yard lighting for engineering approval.

Drawing P-3

   d. Reno will provide butterfly valves for throttling service.

   e. There will be no change in the equalization line check valve design. We do not expect differential settlement to be a factor at this point.

   f. Westinghouse has the responsibility for tower media maintenance. Smith will provide an 8' x 8' concrete pad positioned at the base of the manway of each tower.

g. The 3'-3" extension of the 12" PA influent lines is confirmed and these pipes are supplied by Hydro.

2. Schedule 30 PVC will be used in lieu of eisp.

Drawing P-4

1. Plan

a. Move tower transfer pumps back 3" and heater over 3' (for 6" spool between 90° bend and check valve) in an attempt to gain 3" at duct.

b. Reno will provide slip bell joint at the edge of the buildings.

2. Pumps and header will be moved up to provide adequate space for flanged adapter coupling if necessary.

3. Elevation differences on Section B is acknowledged.

b. Assumption is corerct. Also, a slip joint connection will be provided.

c. We will move back 3" each direction to make up this line.

Drawing P-5

(A)

1. Velocity toward pumps will be so low that it should not present an eddy current problem.

2a. We have 20 M.J. Loye.

2b. Reno can build as shown.

c. Floor drain encasement may not be a safe option. Currently considering sloping clearwell floor to a trough under the pumps then direct to an outside drain system.

d. Plastic coated steel rod is being furnished.

e. Bilco doors are being furnished.

(B)

a. We will raise header and pumps if necessary.

b. Slip joints are being furnished at outside walls.

c. Reno to move vertical 12" south if necessary.

4. Joint is shown at outside wall. A link seal will be used through slab.

Drawing P-6

1a. A flexible connection will be provided.

b. No - Need panel at pump station per code and safety.

2a. Floor door has lifting handle.

b. Concrete support will be provided under check valve.

c. Top can be lifted off if necessary.

Drawing P-7

1. Smith will provide a pavement system of 6", 2-1/2", 1-1/2" according to local codes.

2. Manhole steps will be plastic coated steel rod.

3. Type four is being provided.

Drawing A-1

1. Asphalt is being provided.

2. Building downspouts will be connected to the storm sewer drain.

Drawing A-2

1. Same as A-1-2.

2. VTMA voted against the roof overhand. Trusses will be supplied as per drawing.

Drawing A-3

1. Spike and Ferrules will be provided.

2. Fixed sash windows being provided. Screens are for aesthetics only.
3. M.O. louver intake will be provided in lieu of door grill.

Drawing M-1

1. JJG to change.

2. Turney to provide circuit for heater in chlorine room. VTMA to supply their own heater.

Drawing M-2

1. Pitch clearwell top slab to a 6" wide trench under pumps and direct to outside drain system.

2. Reno to provide

The following additional items were discussed at the VTMA meeting:

1. Air filter fans and decibel levels will be identified.

2. Fire extinguishers will be provided.

3. Roof felt to be checked 15# vs 30#.

4. Confirm cleanouts on drains.

5. Provide frost free water (1") hydrant outside of clearwell.

6. Add hose outlet to the opposite side of clearwell room.

A site construction schedule is being developed by C.W. Smith. At this writing, a (2) two shift operation is being considered in order to meet the schedule.

The next construction meeting is scheduled for November 13, 1989 at 10:00AM. Location to be announced.

If you have any questions regarding this report, please contact me on 773-1343 or 775-0240.

Edward M. Walker
Project Manager