



# Observation Report

PROJECT NO. 385687.F1.01

(1) DAY: Tuesday DATE: 6/25/13 WORK PERIOD: 7:45 AM a.m. TO 11:20 PM a.m. REPORT NO. \_\_\_\_\_  
p.m.

WEATHER: Overcast, cool TEMP. MAX 68 °F: MIN 64 °F: PRECIPITATION: None

(2) **NUMBER AND CLASS OF CONTRACTOR PERSONNEL OBSERVED ONSITE:**

|                                  |   |       |
|----------------------------------|---|-------|
| <u>Kevin Thomas CM (AECOM)</u>   | <u>Tom Peterson (Wind Monitoring)</u>   | _____ |
| <u>8 Workers (Excel)</u>         | <u>Steve Nyman (ICS Superintendent)</u> | _____ |
| <u>4 Workers (ICS)</u>           | _____                                   | _____ |
| <u>Trai Chatman (de Maximis)</u> | _____                                   | _____ |

(3) **MAJOR EQUIPMENT ON PROJECT**

| No. | Description | Size/Capacity | In Use Y/N |
|-----|-------------|---------------|------------|
| 3   | Loader      | Cat950        | Y          |
| 2   | Backhoe     | Medium        | Y          |
| 1   | Compactor   | Medium        | N          |
| 2   | Water Truck | Medium        | Y          |
| 2   | Fork Lift   | T902          | Y          |

(4) **Observations:**

A) Work Activities In Progress:  
 At the Montrose site where the treatment plant will be located, work activities observed included grading and trenching. In the morning a water truck was being used to wet the work area. A worker with a hose was wetting dirt piles. By the late morning, most of work area appeared to be graded. A dozer was smoothing out an area, and a crew with a backhoe was trenching at the west side of the project.

At the waste management site where the pressure test was being performed, two surveyors were surveying the vault and pipeline and trench locations for as-built records. A worker from AECOM was on standby to monitor for dust if soil disturbing activities commenced. During the pressure test, ICS workers taped tracer wire to the conduit in the open trench. As the pressure tests were nearing completion, the crew was setting up to begin backfilling trench with sand, and the trench shoring was being removed. Dust monitors were set up at this time to begin taking measurements.

B) Issues concerning conformance to specifications and/or design:  
 The three (3) well heads and trenches that were installed were different than originally designed but in accordance with a redesign in RFI 008, which were triggered by changes in the injection well positions.

C) Issues concerning conformance to construction schedule:  
 No issues concerning conformance to construction schedule were noted or observed. Construction Manager Kevin Thomas mentioned that the next phase is sensitive to schedule delays because the work will restrict access to a middle school and, therefore, must be finished before school starts.

D) Work activities scheduled for next week:  
 Work activities scheduled for next week are to begin construction on Javelin St. This work includes hanging pipe on a pedestrian bridge. During this work excavated material will have to be transported to one of the current sites for stockpiling.

E) Communications and discussion with PRP site representative  
 In addition to observing the pressure test, the as-built progress and construction schedule were discussed with the PRP. Pictures of the marked-up plans are included below.

F) Photographs:  
 The photographs taken during the test are attached below.

## Hydrotest for two high-density polyethylene (HDPE) lines

| Time  | 4-inch HDPE Redevelopment Line | 4-inch HDPE Injection Line (6-inch Header) | Notes   |
|-------|--------------------------------|--|---|
| 8:30  | 112 PSI                        | 117 PSI                                    | Verified by picture   |
| 8:47  | 112 PSI                        | 117 PSI                                    |   |
| 9:02  | 112 PSI                        | 116 PSI                                    | Slightly warmer weather   |
| 9:15  | 112 PSI                        | 113 PSI                                    |   |
| 9:35  | 111 PSI                        | 112 PSI                                    | 6-inch Line appeared to be settling more tested again for another hour to verify integrity. |
| 9:50  | -                              | 112 PSI                                    |   |
| 10:07 | -                              | 111 PSI                                    |   |
| 10:22 | -                              | 111 PSI                                    |   |
| 10:37 | -                              | 111 PSI                                    | Retest complete, no significant drop in pressure.   |

## General Information:

Lines were pressurized at 5:50 AM on the day of the test. Pressure gauges were inside a precast vault designated Injection Well 5 (IW5). Pressure readings were made by Sal Vitoria (ICS). Kevin Thomas filled out a pressure test form that was signed by Sal Vitoria, Steve Nyman, and Trai Chatman.



**Figure 1: Covered stock piles at Waste Management site.**



**Figure 2: Injection Well 2 (IW2)**



**Figure 3: Close-up view of pipes in trench with shoring**





**Figure 4: Pipes in trench with shoring**



Figure 5: Inside IW5 with pressure gauges



Figures 6: Pressure gauge for 4-inch Injection line with 6-inch header



**Figure 7: Gravel stockpile and covered soil stockpile**



**Figure 8: Property line fence with plastic to prevent dust migration**





Figure 9: Close-up view of pressure gauge for 4" injection line with 6" header



Figure 10: Close-up view of pressure gauge on 4-inch redevelopment return line



**Figure 11: Precast vault that contained the pressure gauges**



Figure 12: Portable storage container used to store fuel for diesel powered pumps during injection testing



Figure 13: General site view of Injection Well 5





**Figure 14: Trench with some sand backfill**



**Figure 15: Loader with bucket of sand to begin backfill**





Figure 16: Montrose site grading in progress



Figure 17: Montrose site trenching in progress

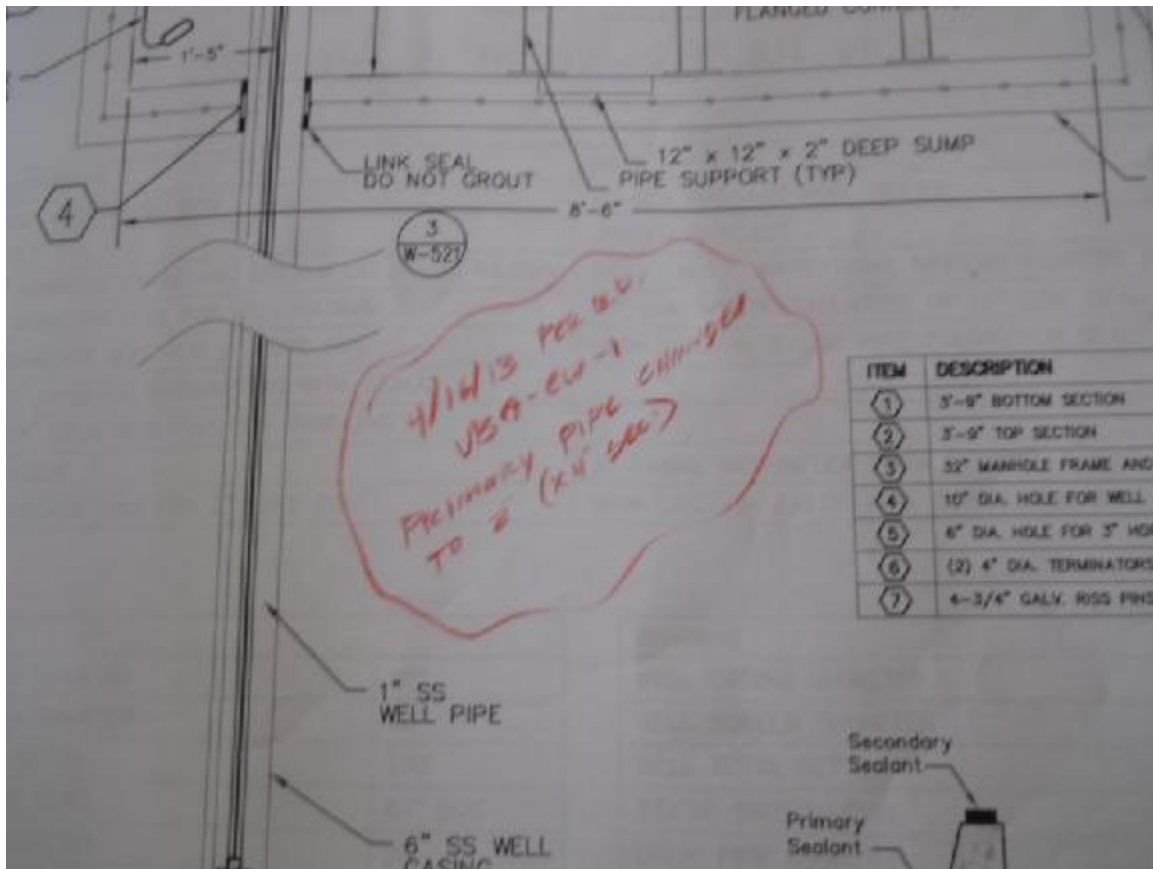
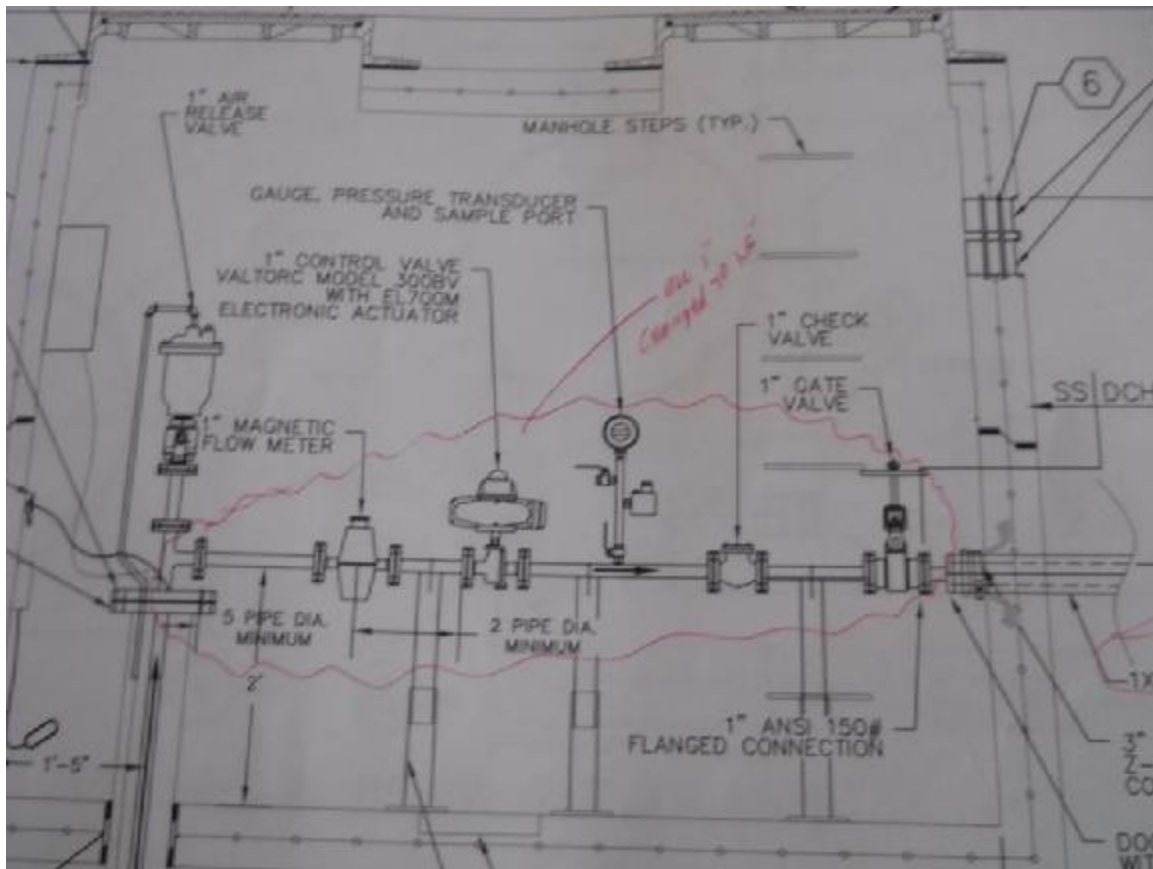


Figure 18: Diameter change on well head due to higher than expected well production

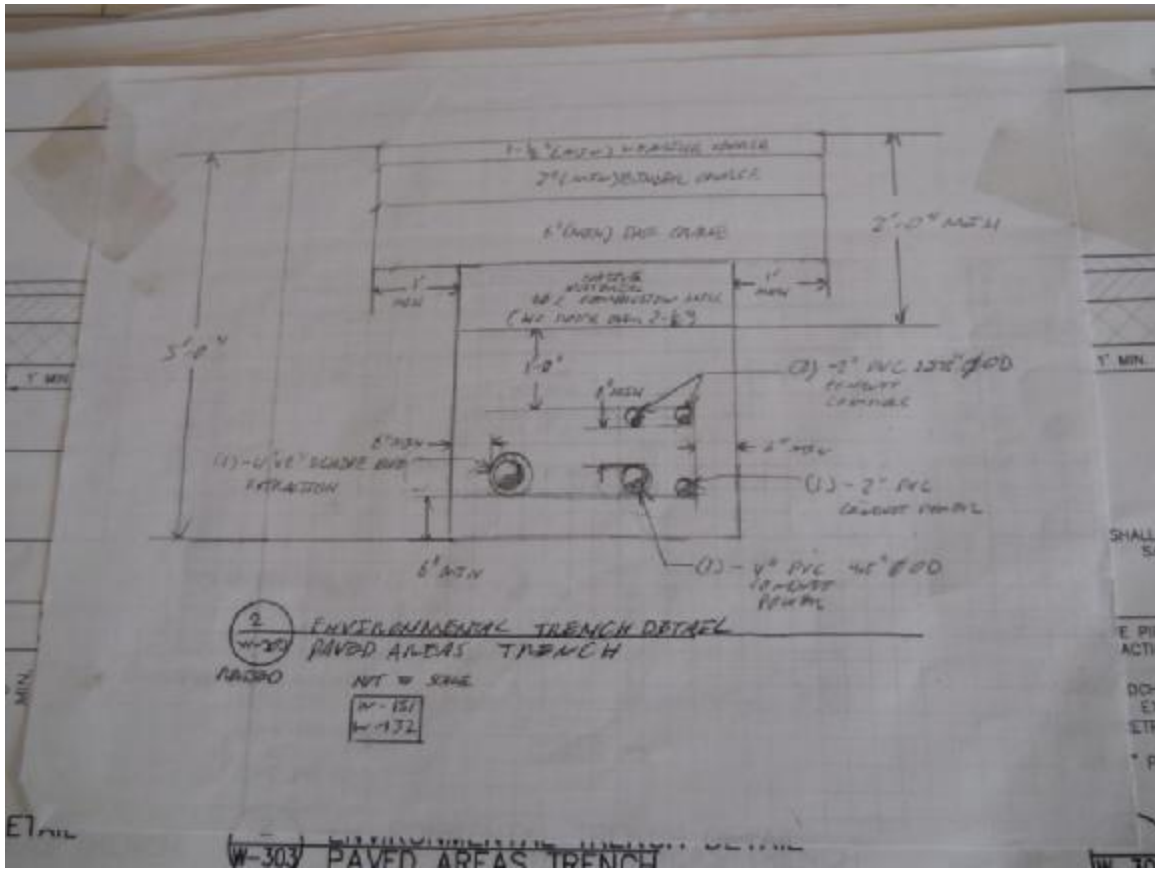


Figure 19: Modified Trench Layout

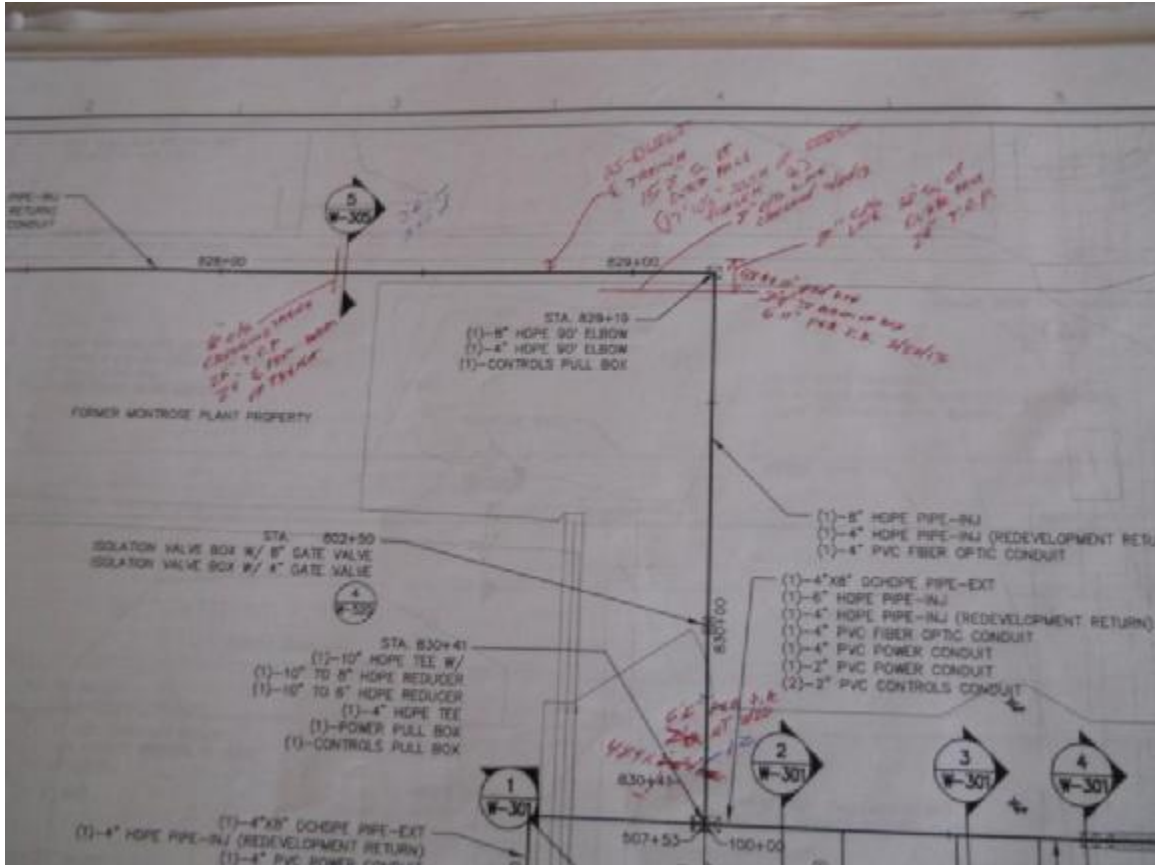


Figure 20: Realigned trench at north edge of Montrose site

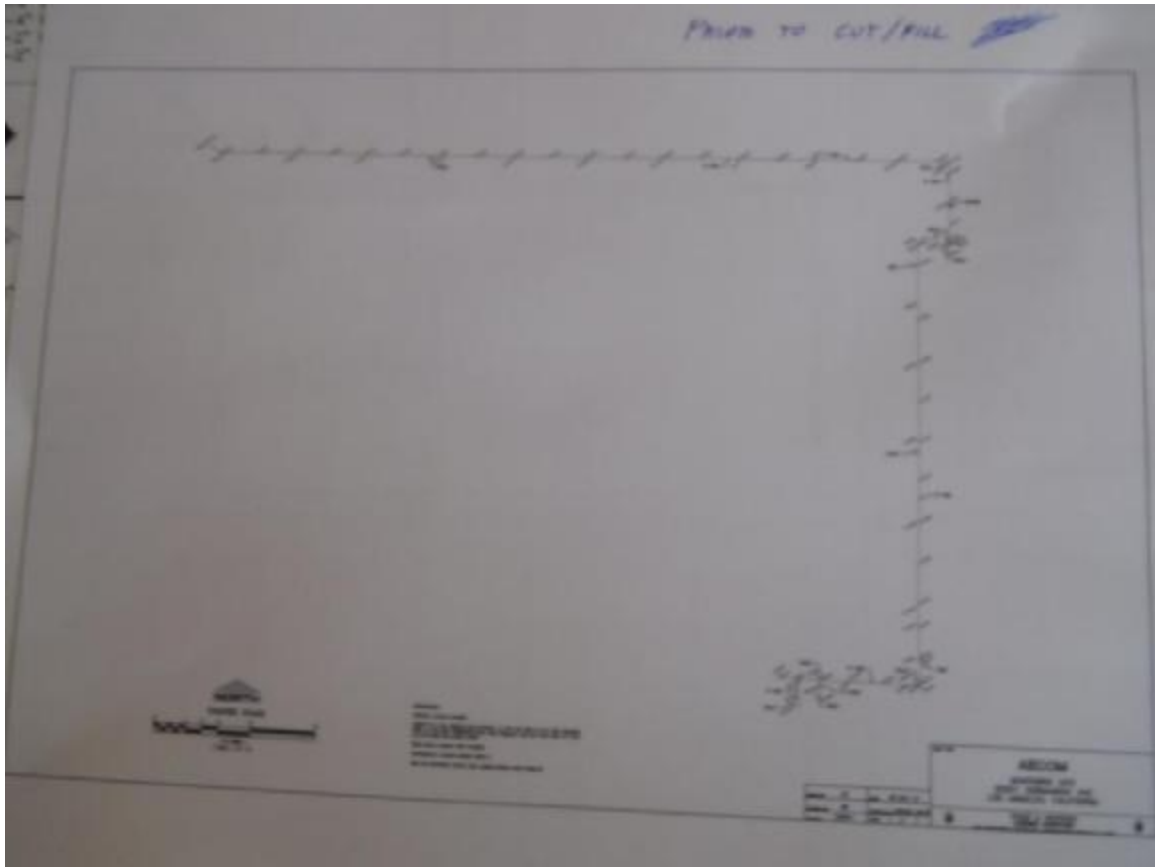


Figure 21: Record survey of realigned trench

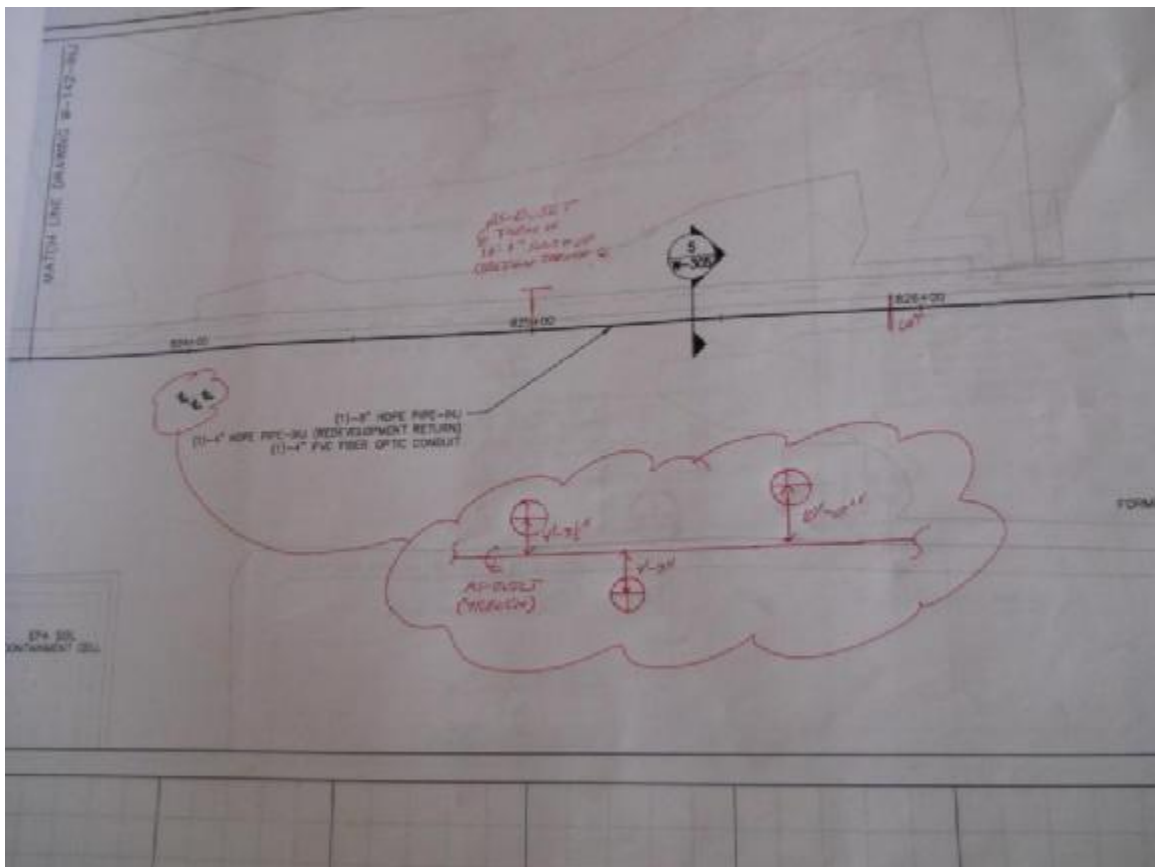


Figure 22: Realigned trench referenced to design trench



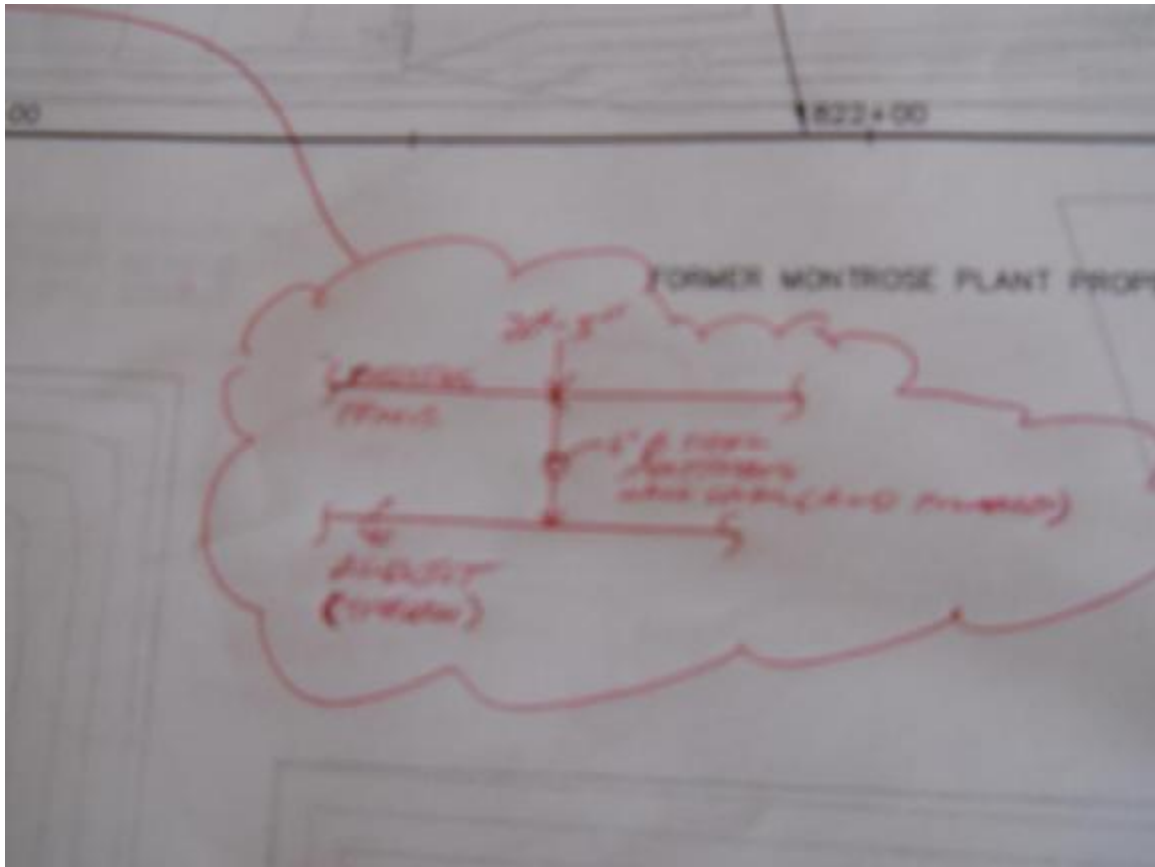


Figure 23: Realigned trench referenced to fence line

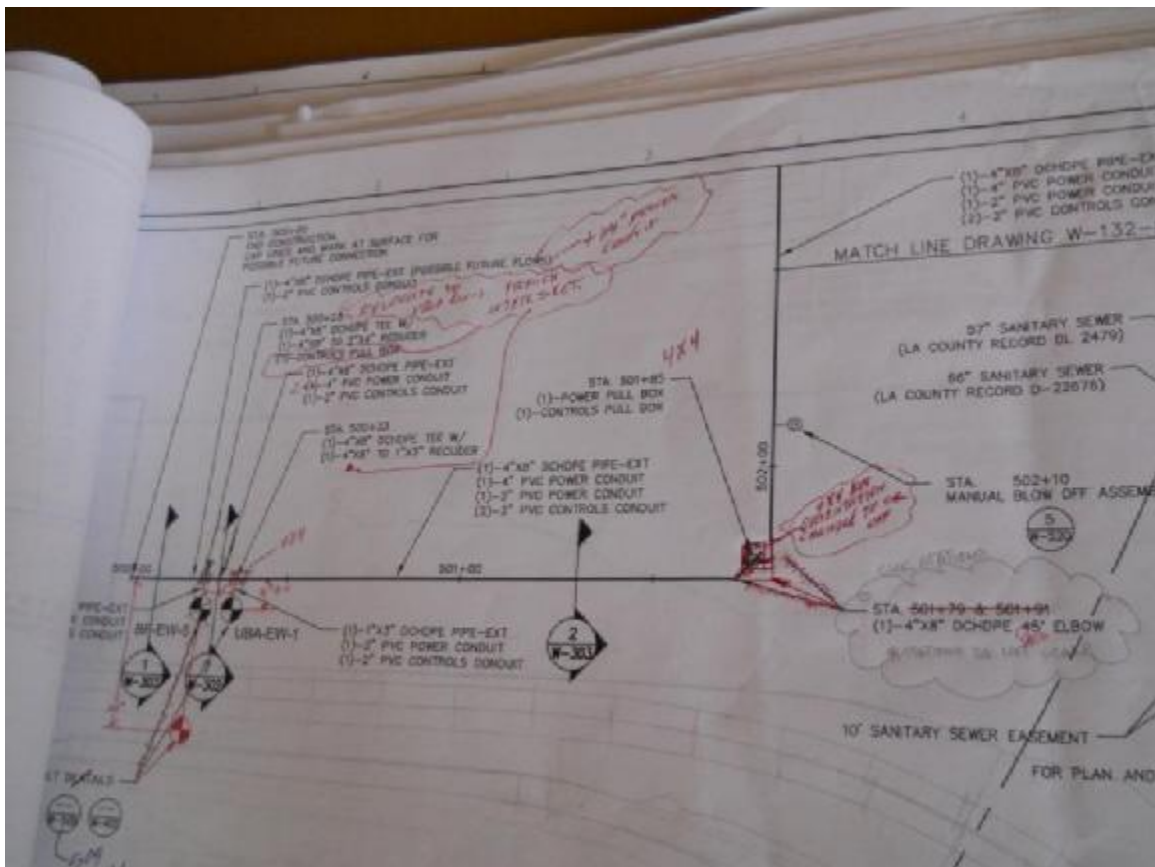


Figure 24: Rotated pull box



**Figure 25: Covered stockpile at center of Montrose site**



**Figure 26: Workers cleaning up along newly installed realigned trench**