

APPENDIX A
Weekly Construction Progress Reports



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.09011

MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 001
Date: 3/5/04
Time From: 3/1/04 – 3/5/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co mobilized personnel, equipment, office trailer and temporary facilities to the 19th Street Plant project site.
- El-Co installed temporary security fencing at the 19th Street Plant and at Encanto Park.
- Preliminary boundary survey was performed at the 19th Street Plant. Encanto Park was surveyed to determine the vertical turbine pump can locations.
- The field on the north end of the 19th Street Plant project site was cleared of tree stumps, vegetation and abandoned irrigation pipelines. Debris has been removed from the site.
- The existing masonry block wall from the north end of the 19th Street Plant was demolished and removed from the site. The existing chain link fencing from the western and northern property boundaries of the 19th Street Plant was removed.
- El-Co performed pot-holing operations at the 19th Street Plant to determine existing underground utility locations.

Forecasted Work for Next Week:

- Rough grading operations and effluent pipeline alignment surveying will be performed at the 19th Street Plant.
- El-Co will begin rough grading activities at the 19th Street Plant for the new roadway and carbon vessel concrete pads.
- El-Co will begin to install the 30-inch DIP effluent pipeline at the 19th Street Plant.

Health and Safety:

- El-Co held a tailgate safety meeting on 3/4 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- Russell Smith conducted a site visit on 3/5 and discussed relations with the neighbors.

Conditions Encountered and Resolution:

- None to report.

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- None to report.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 002
Date: 3/12/04
Time From: 3/8/04 – 3/12/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- Surveying for rough grading using new coordinates supplied by URS on 3/10/04 was completed at the 19th Street Plant. Surveying for the new effluent pipeline was started at the 19th Street Plant.
- EI-Co began rough grading activities at the 19th Street Plant for the new roadway and carbon vessel concrete pads.
- EI-Co began to install the 30-inch DIP effluent pipeline at the 19th Street Plant. Effluent pipeline activities started at STA # 5+02 and ended at STA # 3+24 (approximately 178 linear feet of 30-inch DIP was installed).
- Completed the effluent pipeline's 30-inch tie-in to the existing 30-inch steel pipeline at the 19th Street Plant (STA # 5+02).
- Schuler Engineering (EI-Co subcontractor) mobilized to the Encanto Park location.
- Schuler excavated and set in place the four 24-inch diameter vertical turbine pump barrels, and temporarily secured the pump barrel locations.

Forecasted Work for Next Week:

- Continue surveying for rough grading operations and effluent pipeline alignment at the 19th Street Plant.
- EI-Co will continue to install the 30-inch DIP effluent pipeline at the 19th Street Plant.
- Schuler will place the 4-inch thick concrete support pads for the four 24-inch diameter vertical turbine pump barrels, and then will place flowable fill to backfill the excavations to the height of the suction pipeline connections.

Health and Safety:

- No issues to report.

Community Relations:

- No issues to report.

Conditions Encountered and Resolution:

- The rough grading operations are temporarily on hold until laboratory testing for gradation is completed on the on site material used for concrete pad subgrade. Native soil is being tested to see if it meets the specification for granular fill. Results are expected Tuesday 3/16.

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- None to report.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 003
Date: 3/19/04
Time From: 3/15/04 – 3/19/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- Completed the surveying for rough grading operations and effluent pipeline alignment at the 19th Street Plant.
- El-Co continued to install the 30-inch DIP effluent pipeline at the 19th Street Plant. Effluent pipeline activities started at STA # 3+24 and ended at STA # 1+00 (approximately 224 linear feet of 30-inch DIP was installed this week). Total effluent pipeline installed to date is 402 linear feet.
- Schuler placed the 4-inch thick concrete support pads for the four 24-inch diameter vertical turbine pump barrels, and then placed flowable fill to backfill the excavations to the height of the suction pipeline connections. In addition, after blocking out the suction headers 1-sack slurry flowable fill was placed in the pump barrel excavation to completely backfill the excavation to surface grade. This eliminates any excavation hazard until future work at Encanto Park has resumed.

Forecasted Work for Next Week:

- El-Co will complete the installation of the 20-inch Anti-Siphon loop on the 30-inch DIP effluent pipeline.
- Survey for the Spent Backwash Collection System will be completed.
- El-Co will begin the installation of the 36-inch diameter Reinforced Concrete Pipe (RCP) Spent Backwash Collection System.

Health and Safety:

- El-Co held a tailgate safety meeting on 3/18 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- Russell Smith visited the project site on 3/16 to discuss the space between the new sound wall and the existing property owners' walls at the south east side of the new wall extension area.

Conditions Encountered and Resolution:

- The rough grading operations are temporarily on hold until laboratory testing for gradation is completed on the on site material used for concrete pad subgrade. Native soil is being tested to see if it meets the specification for granular fill. Results have been delayed and are now expected by Monday 3/22.

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- None to report.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 004
Date: 3/26/04
Time From: 3/22/04 – 3/26/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co completed the installation of the 20-inch DIP Anti-Siphon loop on the 30-inch DIP effluent pipeline (final fittings and valve to be installed at a later date).
- The survey for the installation of the Spent Backwash Collection System was completed.
- El-Co began the installation of the 36-inch diameter Reinforced Concrete Pipe (RCP) Spent Backwash Collection system. RCP installation activities began at STA # 4+68 and ended at STA # 0+50 on the west main line (approximately 445 linear feet of 36-inch RCP was installed this week).
- El-Co installed 24-inch diameter DIP effluent pipeline from STA # 1+00 and ended at STA # 0+16 (approximately 84 linear feet of 24-inch DIP was installed this week). El-Co also installed 24-inch diameter DIP effluent pipeline lateral from STA # 0+04 (effluent mainline STA # 2+51) and ended at STA # 0+21 (approximately 17 linear feet of 24-inch DIP lateral was installed this week). Total effluent pipeline installed to date is 503 linear feet.

Forecasted Work for Next Week:

- El-Co will continue the installation of the 36-inch diameter RCP Spent Backwash Collection System.
- El-Co will begin the installation of the 24-inch diameter DIP pump suction header at the Encanto Park Booster Pump Station.

Health and Safety:

- No issues to report.

Community Relations:

- None to report

Conditions Encountered and Resolution:

- Laboratory results have been received on the native soil, and this soil does not meet the specifications for granular fill. El-Co has been made aware of the results and they are planning to submit samples for imported granular fill to be used for the concrete pad subgrade material.
- During installation of the 24-inch diameter DIP effluent pipeline lateral an elevation conflict was discovered with the 36-inch diameter RCP. Field change order request #2 resolved this conflict by rerouting the 24-inch DIP under the 36-inch RCP.

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- Nick Reylek/URS and John Wiles/El-Co met with Susan Collins with CalTrans to begin discussions regarding the potential need for an Encroachment Permit for the work to be done at Highland Avenue. A second meeting is planned for early next week.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 005
Date: 4/2/04
Time From: 3/29/04 – 4/2/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co completed the installation of the 36-inch diameter RCP Spent Backwash Collection System piping at the 19th Street Plant. RCP installation activities began at STA # 0+50 on the west main line and ended at STA # 0+00 completing the east main line (approximately 265 linear feet of the 36-inch RCP was installed this week). Total 36-inch RCP installed to date is 710 linear feet.
- El-Co completed five manholes structures for the Spent Backwash Collection System (two 48-inch diameter and three 84-inch diameter manholes).
- El-Co also installed the 24-inch diameter DIP effluent pipeline lateral from STA # 0+21 and ended at STA # 0+62 (approximately 41 linear feet of 24-inch DIP lateral was installed this week). Total effluent pipeline installed to date is 544 linear feet. This lateral is completed except for the tie-in to the City's steel pipeline, which will occur after chlorination and testing on the new pipeline is performed.
- El-Co completed the installation of the 24-inch diameter DIP pump suction header at the Encanto Park Booster Pump Station.
- El-Co began the installation of the 24-inch diameter DIP feeder pipelines from the pump suction and discharge headers to the previously installed 24-inch DIP transmission pipeline in Encanto Park.

Forecasted Work for Next Week:

- El-Co will continue the installation of the 24-inch diameter DIP feeder pipelines from the pump suction and discharge headers to the previously installed 24-inch DIP transmission pipeline in Encanto Park.
- El-Co will continue with the rough grading activities at the carbon vessel concrete support pad areas at the 19th Street Plant.
- El-Co will backfill and compact around the five completed manhole structures on the Spent Backwash Collection System at the 19th Street Plant.

Health and Safety:

- El-Co held a tailgate safety meeting on 4/1 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- None to report

Conditions Encountered and Resolution:

- None to report

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- Nick Reylek/URS received no contact from Susan Collins with CalTrans regarding the Encroachment Permit for the work to be done at Highland Avenue. Nick will contact her this week to get an update.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 006
Date: 4/9/04
Time From: 4/5/04 – 4/9/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co continued the installation of the 24-inch diameter DIP feeder pipelines from the pump suction and discharge headers to the previously installed 24-inch DIP transmission pipeline in Encanto Park.
- El-Co continued with the rough grading activities at the carbon vessel concrete support pad areas at the 19th Street Plant.
- El-Co completed backfill and compaction around the five completed manhole structures on the Spent Backwash Collection System at the 19th Street Plant.
- El-Co successfully pressure tested the 24-inch diameter DIP feeder pipelines on the pump suction and discharge header sections in Encanto Park.

Forecasted Work for Next Week:

- El-Co will complete the installation of the 24-inch diameter DIP feeder pipelines from the pump suction and discharge headers to the previously installed 24-inch DIP transmission pipeline in Encanto Park.
- El-Co will complete with the rough grading activities at the carbon vessel concrete support pad areas at the 19th Street Plant.
- El-Co will begin the installation of the 30-inch Influent Pipeline at the 19th St. Plant.
- Schuler Engineering will begin to install forms and place rebar for the east side concrete pads for the GAC vessels and pipelines.

Health and Safety:

- El-Co held a tailgate safety meeting on 4/8 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- None to report

Conditions Encountered and Resolution:

- Discovered a misalignment of approximately 5 feet between the previously installed 24-inch diameter DIP transmission pipeline at Encanto Park and the new Booster Pump Station suction feeder pipelines. URS directed El-Co to install a 45 degree bend to correctly align the new pipeline connection 5 feet to the west of the designed alignment (Field Change Order #3).

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- Nick Reylek/URS received no contact from Susan Collins with CalTrans regarding the Encroachment Permit for the work to be done at Highland Avenue. Nick will contact her this week to get an update.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 007
Date: 4/16/04
Time From: 4/12/04 – 4/16/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co completed the installation of the 24-inch diameter DIP feeder pipelines from the pump suction and discharge headers to the previously installed 24-inch DIP transmission pipeline in Encanto Park.
- El-Co completed with the rough grading activities at the carbon vessel concrete support pad areas at the 19th Street Plant.
- El-Co began the installation of the 30-inch diameter DIP Influent Pipeline at the 19th St. Plant. Influent Pipeline efforts began at STA # 5+93 and ended at STA # 3+69. Approximately 224 linear feet of 30-inch diameter Influent Pipeline was installed this week.
- Schuler Engineering began to install forms and place rebar for the east side concrete pads for the GAC vessels and pipelines. Exterior wood forms have been completed and rebar has been placed 50% of the concrete pads on the east side.
- Schuler Engineering completed the construction of concrete footings for the CMU block walls at the Encanto Park Booster Pump Station.

Forecasted Work for Next Week:

- El-Co will continue the installation of the 30-inch diameter DIP Influent Pipeline at the 19th St. Plant.
- Schuler Engineering will continue the construction of the east side concrete pads for the GAC vessels and pipelines.
- Schuler Engineering will begin the construction of the CMU block walls at the Encanto Park Booster Pump Station.

Health and Safety:

- El-Co held a tailgate safety meeting on 4/15 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- No issues to report

Delays Encountered:

- None to report.

Other Important Situations and Decisions:

- Nick Reylek/URS received no contact from Susan Collins with CalTrans regarding the Encroachment Permit for the work to be done at Highland Avenue. Nick and John Wiles/El-Co left her a phone messages in an effort to discuss the permit application.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 008
Date: 4/23/04
Time From: 4/19/04 – 4/23/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co continued the installation of the 30-inch diameter DIP Influent Pipeline at the 19th St. Plant. Influent Pipeline efforts began at STA # 3+69 and ended at STA # 1+11. Approximately 258 linear feet of 30-inch diameter Influent Pipeline was installed this week. A total of approximately 482 linear feet of 30-inch diameter Influent Pipeline was been installed to date.
- Schuler Engineering completed the construction of the east side concrete pads for the GAC vessels and pipelines.
- Schuler Engineering began the construction of the CMU block walls at the Encanto Park Booster Pump Station. The CMU walls are 80% complete.
- El-Co began the installation of the 24-inch diameter DIP lateral on the Influent Pipeline at the 19th St. Plant.
- Schuler Engineering began the placement of wood forms on the west side concrete pads for the GAC vessels and pipelines.

Forecasted Work for Next Week:

- El-Co will complete the installation of the 30-inch diameter DIP Influent Pipeline at the 19th St. Plant.
- Schuler Engineering will continue the construction of the west side concrete pads for the GAC vessels and pipelines.
- Schuler Engineering will complete the construction of the CMU block walls at the Encanto Park Booster Pump Station.
- Surveying and staking of the property boundaries for the new sound wall construction will be completed.
- El-Co will complete the installation of the 24-inch diameter DIP lateral on the Influent Pipeline at the 19th St. Plant. The lateral will be completed except for the tie-ins to the existing plant piping.

Health and Safety:

- El-Co held a tailgate safety meeting on 4/22 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- No issues to report

Delays Encountered:

- The new sound wall installation has been delayed due to survey and property boundary issues that are hoping to be resolved this week.

Other Important Situations and Decisions:

- Nick Reylek/URS received an application from Susan Collins with CalTrans for the Encroachment Permit for the work to be done at Highland Avenue. URS engineering staff will be gathering the required information for the permit application.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 009
Date: 4/30/04
Time From: 4/26/04 – 4/30/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co completed the installation of the 30-inch diameter DIP Influent Pipeline at the 19th St. Plant. Influent Pipeline efforts began at STA # 1+11 and ended at STA # 0+23 on the east side and STA # 0+33 on the west side. Approximately 120 linear feet of 30-inch diameter Influent Pipeline was installed this week. A total of approximately 602 linear feet of 30-inch diameter Influent Pipeline was been installed to date.
- Schuler Engineering began to install forms and place rebar for the west side concrete pads for the GAC vessels and pipelines. Exterior wood forms have been completed and rebar has been placed 50% of the concrete pads on the west side. Concrete has been placed on 50% of the concrete pads on the west side.
- Schuler Engineering completed the construction of the CMU block walls at the Encanto Park Booster Pump Station.
- El-Co completed the installation of the 24-inch diameter DIP lateral on the Influent Pipeline at the 19th St. Plant. The lateral was completed except for the tie-ins to the existing plant piping.
- Survey and staking was completed for the 12-inch diameter DIP By-Pass Pipeline, and the 12-inch and 24-inch diameter DIP Backwash Supply Pipelines at the 19th Street Plant.
- El-Co began the installation of the 12-inch diameter DIP By-Pass Pipeline. By-Pass Pipeline efforts began at STA # 0+03 and ended at STA # 1+31. Approximately 128 linear feet of 12-inch diameter By-Pass Pipeline was installed this week.
- El-Co began the installation of the 12-inch diameter DIP Backwash Supply Pipeline. Backwash Supply Pipeline efforts began at STA # 1+33 and ended at STA # 0+20 on the east side and at STA # 0+18 on the west side. Approximately 149 linear feet of 12-inch diameter Backwash Supply Pipeline was installed this week.

Forecasted Work for Next Week:

- Surveying and staking of the property boundaries for the new sound wall construction will be completed.
- Schuler Engineering will continue the construction of the west side concrete pads for the GAC vessels and pipelines.
- El-Co will continue the installation of the 12-inch and 24-inch diameter DIP Backwash Supply Pipeline.

Health and Safety:

- El-Co held a tailgate safety meeting on 4/29 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- No issues to report

Delays Encountered:

- The new sound wall installation has been delayed due to survey and property boundary issues that are hoping to be resolved next week.

Other Important Situations and Decisions:

- URS engineering staff is gathering the required information for the CalTrans Encroachment Permit for the work to be done at Highland Avenue.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 010
Date: 5/7/04
Time From: 5/3/04 – 5/7/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co began the surveying and staking of the property boundaries in the northwest corner of the 19th St. Plant for the new sound wall construction.
- Schuler Engineering completed the construction of the west side concrete pads for the GAC vessels and pipelines.
- El-Co began the installation of the 24-inch diameter DIP Backwash Supply Pipeline. Backwash Supply Pipeline efforts began at STA # 1+63 and ended at STA # 3+17. Approximately 154 linear feet of 24-inch diameter Backwash Supply Pipeline was installed this week.
- El-Co began the installation of the 30-inch diameter DIP By-Pass Pipeline between the Influent and Effluent Pipelines at the 19th St. Plant. Installation activities began at STA # 1+17 and ended at STA # 1+45. Approximately 28 feet of 30-inch diameter By-Pass Pipeline was installed this week.
- El-Co began the installation of the two 16-inch diameter DIP Effluent Pipeline laterals for connection to the SBMWD 1249 Foot Pressure Zone Pipeline. Approximately 55 feet of 16-inch diameter Effluent Pipeline laterals were installed this week.
- El-Co began the installation of the 10-inch diameter backflow preventer assembly on the Backwash Supply Pipeline at approximately STA # 1+50.
- Schuler Engineering began the placement of wood forms and rebar for the concrete pier pipe supports on the east side GAC vessels and pipe pads.

Forecasted Work for Next Week:

- Schuler Engineering will complete the construction of the concrete pier pipe supports on the east and west sides.
- El-Co will begin the construction of the new sound wall at the 19th St. Plant.
- El-Co will complete the installation of the 10-inch diameter backflow preventer assembly on the Backwash Supply Pipeline.
- El-Co will install a 24-inch x 24-inch tee to connect the 24-inch diameter Backwash Supply Pipeline to the SBMWD's existing pressure pipeline.

Health and Safety:

- El-Co held a tailgate safety meeting on 5/6 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- No issues to report

Delays Encountered:

- No issues to report.

Other Important Situations and Decisions:

- URS field staff is gathering the required information for the CalTrans Encroachment Permit for the work to be done at Highland Avenue.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 011
Date: 5/14/04
Time From: 5/10/04 – 5/14/04

U.S. Environmental Protection Agency, Region IX
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Contract No. 68-W-98-225

Work Performed:

- El-Co began the construction of the new sound wall at the NW property corner of the 19th St. Plant.
- Schuler Engineering completed the construction of the concrete pier pipe supports on the east side of the GAC vessel concrete pads. They also began to place wood forms on the west side concrete pier pipe supports.
- El-Co completed the installation of the 10-inch diameter backflow preventer assembly on the Backwash Supply Pipeline.
- El-Co installed a 24-inch x 24-inch tee to connect the 24-inch diameter Backwash Supply Pipeline to the SBMWD's existing pressure zone pipeline.

Forecasted Work for Next Week:

- Schuler Engineering will complete the construction of the concrete pier pipe supports on the west side of the GAC vessel concrete pads.
- El-Co will continue the construction of the new sound wall at the 19th St. Plant.
- El-Co will begin the installation of the aboveground GAC vessel header piping at the south end of the GAC vessel pads.
- El-Co will begin to flush and pressure testing the installed portions of the Influent and Backwash Supply Pipelines at the 19th St. Plant.

Health and Safety:

- El-Co held a tailgate safety meeting on 5/13 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- Russell Smith visited the project site to inspect work progress to date.
- No issues to report

Conditions Encountered and Resolution:

- During the installation of the Backwash Supply Pipeline El-Co discovered an elevation conflict with existing natural gas supply and storm water pipelines. El-Co prepared a Field Change Order cost estimate and then performed the installation of two 45-degree bends that would allow for connection of the Backwash Supply Pipeline to the SBMWD's existing pressure zone pipeline.

Delays Encountered:

- No issues to report

Other Important Situations and Decisions:

- URS office staff is preparing the required information for the CalTrans Encroachment Permit for the work to be done at Highland Avenue.



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MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 012
Date: 5/21/04
Time From: 5/18/04 – 5/21/04

U.S. Environmental Protection Agency, Region IX
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Contract No. 68-W-98-225

Work Performed:

- El-Co continued the construction of the new sound wall at the 19th St. Plant.
- Schuler Engineering completed the construction of the concrete pier pipe supports on the west side of the GAC vessel concrete pads.
- El-Co completed the installation of the aboveground GAC vessel header piping at the south end of the GAC vessel pads.
- El-Co flushed and pressure tested the installed portions of the Influent and Backwash Supply Pipelines at the 19th St. Plant. Both pipelines successfully passed the pressure tests.
- El-Co began chlorination the installed portions of the Influent and Backwash Supply Pipelines at the 19th St. Plant.
- Successful bacteriological testing was completed on the Influent Pipeline at the 19th St. Plant.

Forecasted Work for Next Week:

- El-Co will continue the construction of the new sound wall at the 19th St. Plant.
- Bacteriological testing will be completed on the installed portions of the Backwash Supply Pipeline at the 19th St. Plant.
- El-Co will begin the installation of the 16-inch diameter Effluent Pipeline Flow Control Valve Assemblies at the 19th St. Plant.
- El-Co will begin the tie-in of the new 30-inch diameter DIP Influent Pipeline to the existing 30-inch diameter DIP Transmission Pipeline at 19th St.
- The GAC vessels for the east side of the new treatment plant will be delivered to the 19th St. Plant.

Health and Safety:

- El-Co held a tailgate safety meeting on 5/20 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- No issues to report

Delays Encountered:

- No issues to report

Other Important Situations and Decisions:

- URS office staff is continuing to prepare the required information for the CalTrans Encroachment Permit for the work to be done at Highland Avenue.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.05010

MUSCOY 19th STREET PLANT/ENCANTO PARK WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 013
Date: 5/28/04
Time From: 5/25/04 – 5/28/04

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- El-Co continued the construction of the new sound wall at the 19th St. Plant. Phase 1 of the sound wall installation is completed (the western and northwestern portions of the new plant area).
- Successful bacteriological testing was completed on the installed portions of the Backwash Supply Pipeline at the 19th St. Plant.
- El-Co began the installation of the 16-inch diameter Effluent Pipeline Flow Control Valve Assemblies at the 19th St. Plant.
- El-Co completed the tie-in of the new 30-inch diameter DIP Influent Pipeline to the existing 30-inch diameter DIP Transmission Pipeline at 19th St.
- The GAC vessels and header piping for the east side of the new treatment plant were delivered to the 19th St. Plant and set in place on the concrete pads.

Forecasted Work for Next Week:

- El-Co will continue the installation of the 16-inch diameter Effluent Pipeline Flow Control Valve Assemblies at the 19th St. Plant.
- El-Co will complete the installation of the 12-inch diameter By-Pass Pipeline (except for the tie-in to the existing SBMWD pipeline).

Health and Safety:

- El-Co held a tailgate safety meeting on 5/27 to discuss safe work practices and the importance of positive community relations.

Community Relations:

- No issues to report

Conditions Encountered and Resolution:

- Due to a conflict between the new sound wall location at the end of 20th St. and the Effluent Pipeline lateral alignment, El-Co was directed to complete a modification to the two 16-inch diameter Effluent Pipeline laterals and Flow Control Assemblies (Construction Change Order No. 12).
- Due to an alignment conflict between the existing 30-inch diameter DIP Transmission Pipeline and the new 30-inch diameter DIP Influent Pipeline El-Co was directed to install two 45-degree bends (Construction Change Order No. 13).

Delays Encountered:

- No issues to report

Other Important Situations and Decisions:

- URS delivered the application to CalTrans for the Encroachment Permit for the work to be done at Highland Avenue.