

Nipomo Community Services District



Supplemental Water Project Blosser Road Watermain Project

Monthly Progress Report



Prepared By:
MNS Engineers, Inc.

November 2014

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	September 24, 2014
Original Contract Days	120
Contract Days Added	0
Revised Contract Days	127
Elapsed Time (Days)	(64)
Remaining Time (Days)	63
Contract Completion Date	January 29, 2015
Time Elapsed to Date	50%
Work Completed to Date	47%
Approved Change Orders (Days)	7 days

Budget Summary

Original Contract Amount	\$1,599,999.00
Approved Change Orders (Cost)	\$8,802.32
Revised Contract Amount	\$1,608,801.32
Previous Payments	\$536,585.95
Current Month Pay Request	\$222,981.97
Total Work Completed	\$759,567.92
Work Remaining	\$849,233.40

Progress Summary

River Area Pipe Installation and Bore and Jack

Summary of Work:

D-KAL completed all the work in the river area. Pacific Boring finished the bore and jack of the 36-inch casing pipe, then pushed the 24-inch DIP through the casing and grouted the casing pipe. D-KAL then completed the final 100 feet of deep trench pipe and connected it to the section under the levee installed by Pacific Boring. D-KAL backfilled and compacted the bore and jack pit while removing shoring, removed the silt fence and restored the agricultural top soil to grade, and also restored the farm access road at the bore and jack pit.

Pictures:



D-KAL removing silt fence and restoring the agricultural top soil.



D-KAL completing the last 100 feet of 24-inch DIP installation to connect to the bore and jack section.



Installing 24-inch DIP in final segment of pipe in the river area.



D-KAL backfilling over final segment of the 24-inch DIP in the river area.



Ductile iron pipe wrapped in plastic with spacers installed, and ready for pushing through casing.



Pacific Boring positioning 24-inch DIP for pushing through the casing under the levee.



Pacific Boring pushing pipe into casing under the levee.



Pacific Boring completing pushing of one segment of 24-inch DIP into casing under levee.



Pacific Boring installing bulkhead after pushing the 24-inch DIP into the casing.



Filling grout pump and hopper for grouting the casing under the levee.



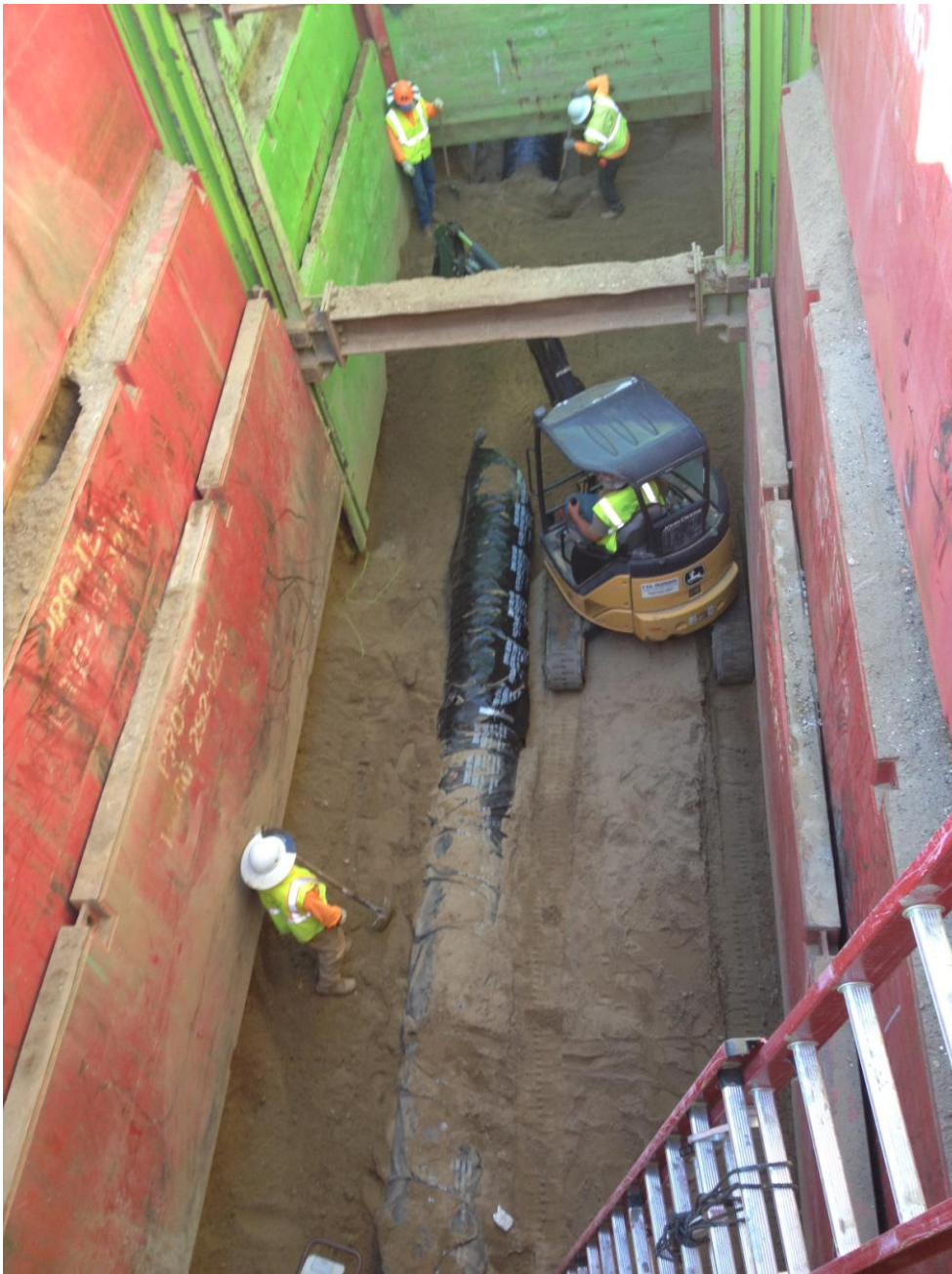
Grouting the casing.



Opening in shoring for 24-inch DIP under the levee to connect to deep trench section.



D-KAL removing scaffolding from the bore and jack pit.



Backfilling with mini excavator around pipe extending from the segment installed inside the casing.



D-KAL lowering remote control compactor into the bore and jack pit.



D-KAL compacting with whackers and using the remote control compactor to backfill around 24-inch DIP segment inside the bore and jack pit.



D-KAL connecting the deep trench section of 24-inch DIP to the section installed under the levee.



Connection of the deep trench pipe to the section installed by bore and jack under the levee, completing the pipe installation in the river area.



D-KAL removing trench shields and backfilling 24-inch DIP after final connection.



D-KAL disassembling the bore and jack pit.



Backfilling over the final segment of pipe installation and restoration of agricultural topsoil.



D-KAL backfilling and compacting over final trench segment in river area.



D-KAL completing backfill and agricultural topsoil restoration in the river area.



Restoring agricultural topsoil and farm access road to grade.



Final restoration of agricultural topsoil and farm access road in river area.

Receiving Pit and Blosser Road Pipeline

Summary of Work:

D-KAL completed excavation of the receiving pit and received the casing pipe from the bore and jack under the levee. After Pacific Boring installed the 24-inch DIP through the casing and grouted the pipe, D-KAL installed the vertical section of 24-inch pipe out of the receiving pit while they backfilled and removed the shoring. When they reached grade for the pipe in Blosser Road and attempted to install the 90 degree elbow, they discovered the vertical pipe to be out of round and could not install the elbow as designed. D-KAL excavated back down along the vertical segment until they could remove a portion of the vertical pipe to reach an area which would allow installation of a sleeve and transition from this out of round pipe to a 3 foot pup section which was round and would fit the 90 degree bend. When this was completed, they successfully pressure tested the pipe from the 90 degree elbow to the end of the HDPE section at the BP #4 pump station site.

After pressure testing was completed, D-KAL proceeded with installation of pipe in Blosser Road south of the receiving pit.

Pictures:



D-KAL cutting I beams to fit into final whaler support system in receiving pit.



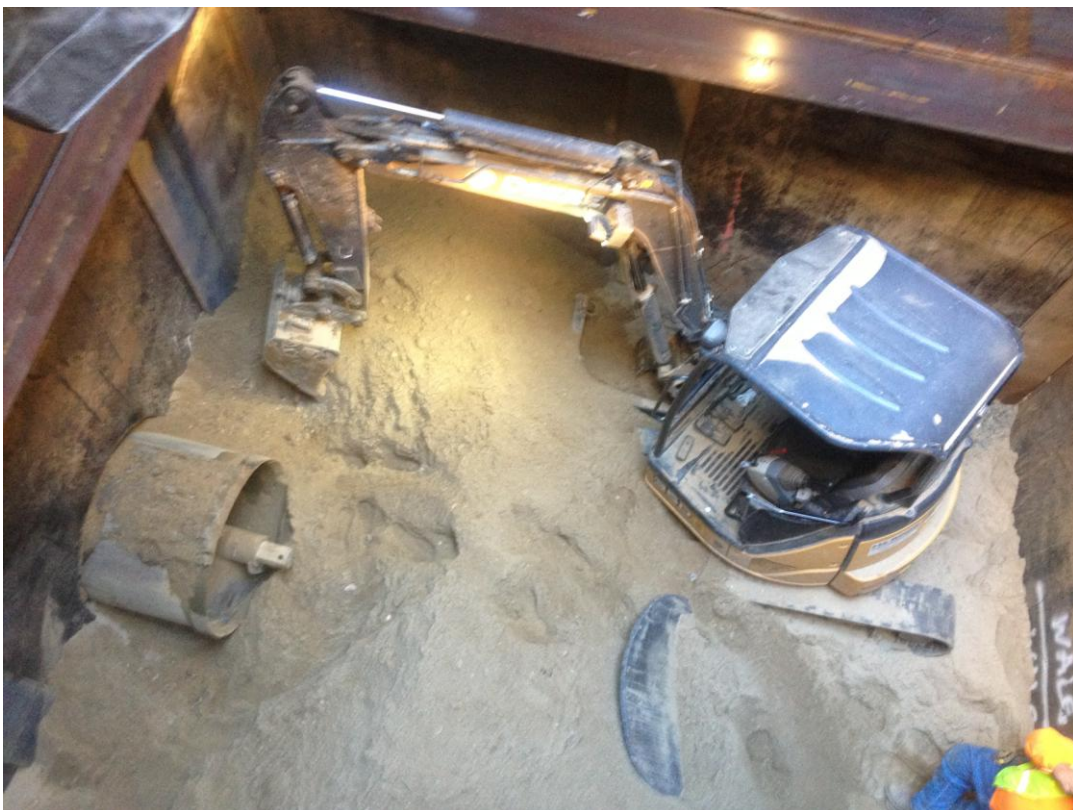
D-KAL welding whalers in final horizontal supports for the receiving pit.



D-KAL using modified clam shell bucket and mini excavator inside receiving pit to excavate material down to final grade.



Casing received after bore and jack under the levee.



Removing final material from bore and jack out of the receiving pit with the mini excavator.



Removing mini excavator from the receiving pit.



24-inch DIP received after being pushed through the casing under the levee.



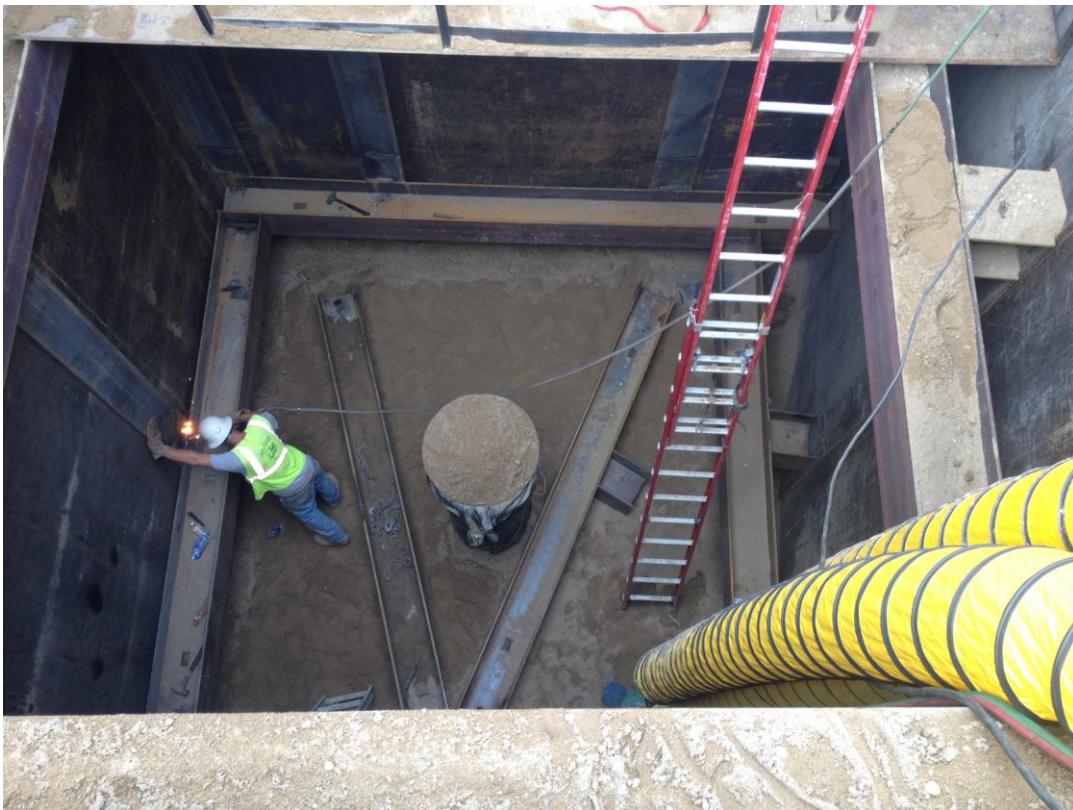
D-KAL placing bulkhead at the receiving end of the 36-inch steel casing in preparation for pressure grouting the casing.



Vertical section of the 24-inch DIP being installed as D-KAL backfills receiving pit and removes shoring.



D-KAL pulling shoring plates out of receiving pit as they backfill.



D-KAL taking apart the horizontal shoring inside the receiving pit as they backfill.



Removing scaffolding from receiving pit during backfill.



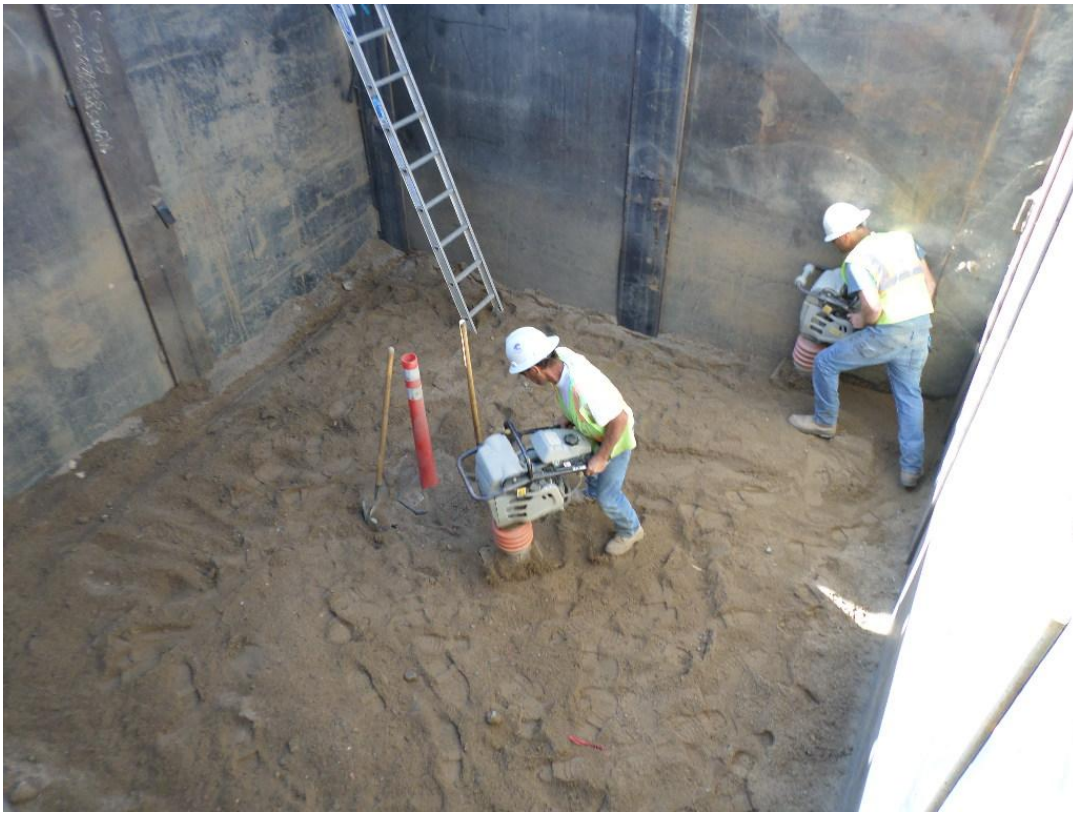
D-KAL backfilling around vertical pipe inside receiving pit.



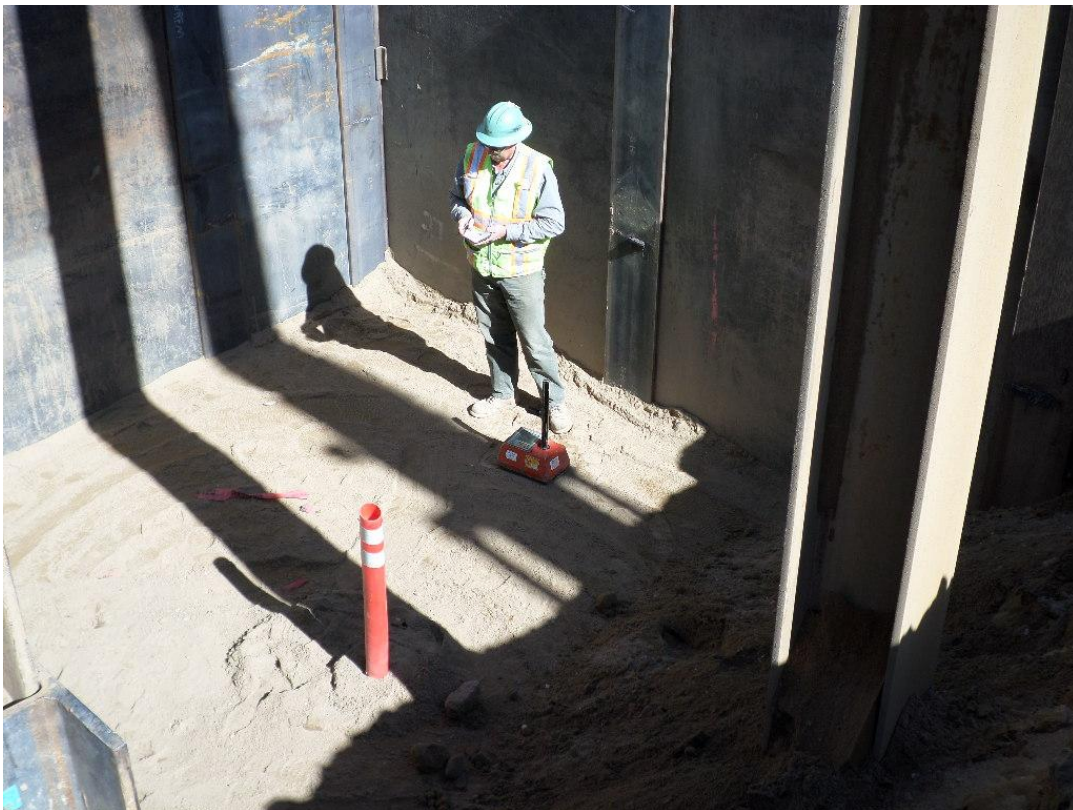
D-KAL continuing the backfill receiving pit and remove the shoring plates.



D-KAL removing beams from horizontal shoring inside the receiving pit.



D-KAL compacting around vertical pipe inside receiving pit during backfill.



Fugro taking compaction tests on backfill inside receiving pit.



Compacting top of receiving pit excavation with sheep's foot roller.



D-KAL removing the I beam piles from the receiving pit shoring.



Trench shoring installed at the top of the receiving pit excavation to install the 90 degree bend onto the vertical segment of pipe.



D-KAL preparing to install the 90 degree bend.



D-KAL removed trench shoring and installed shoring to excavate down along the vertical pipe segment when they discovered it to be out of round and the 90 degree elbow could not be installed.



D-KAL measuring down vertical segment of pipe to determine where it should be cut to install a sleeve and 3 foot section of pipe for connecting the 90 degree fitting.



D-KAL installing the sleeve with megalugs.



D-KAL successfully installing the 90 degree elbow to the 3 foot section of pipe which was installed due to the vertical pipe being out of round.



D-KAL sawcutting pavement for the trench in Blosser Road.



D-KAL installing pipe in Blosser Road and preparing to pressure test the section from the receiving pit to the BP #4 site.



D-KAL applying wax tape to the 24-inch tee.



Installing pipe from the 90 degree elbow south in Blosser Road.



D-KAL backfilling in Blosser Road.



D-KAL installing 24-inch DIP in Blosser Road south of the receiving pit.



24-inch DIP wrapped in plastic and ready for installation.



Marking tape placed and D-KAL backfilling pipe in Blosser Road.