

Final Project Completion Report

Project Name and Number: Southwest Groundwater Well Improvements, #4213

Project Description: The Southwest Groundwater Deep Well # 7 (DW7) was constructed to extract sulfate contaminated water as part of the aquifer remediation project. This well has highly corrosive water, which has created problems with the well equipment. This project performed repairs similar to those recently completed at Deep Well 6 including an improved lubrication system, stainless steel column pipe, and new marine bearings to provide longer life to the equipment. The project also included well re-development to restore well capacity.

District Project Manager: David McLean

| | | |
|---------------------------------------|----------------------|----------------------------|
| Engineer: | CRS Engineers | Design Status: 100% |
| Original Engineering Contract Amount: | | \$9,500 |
| Final Engineering Contract Amount: | | \$9,500 |

| | | |
|---|--------------------------|----------------------------------|
| Contractor: | Nickerson Company | Construction Status: 100% |
| Original construction contract amount: | | \$393,608 |
| Total Change Order amount: | | \$14,940 |
| Final construction contract amount: | | \$408,548 |
| Total change orders as a percentage of original contract: | | 3.80% |
| Completion Schedule: | | |
| Notice to Proceed: | | 11/29/2022 |
| Final Completion: | | 1/10/2024 |

| Summary of Change Orders: | | |
|----------------------------------|--|-----------------|
| | Description | Amount |
| 1 | Additional well development and installation of a new level sensor | \$12,339 |
| 2 | Provide sand tester for Deep Well 6 | \$2,601 |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| | Total Change Order Amount: | \$14,940 |

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DW7 Well Pump House



Well Redevelopment Machine



Silt being removed from the well during well-redevelopment



Stainless Steel Well Column Pipe awaiting installation



New water "pre-lube" piping (flushes well with city water prior to start up to wet the marine bearings) and reconditioned discharge head/motor awaiting start-up



DW7 producing clear water