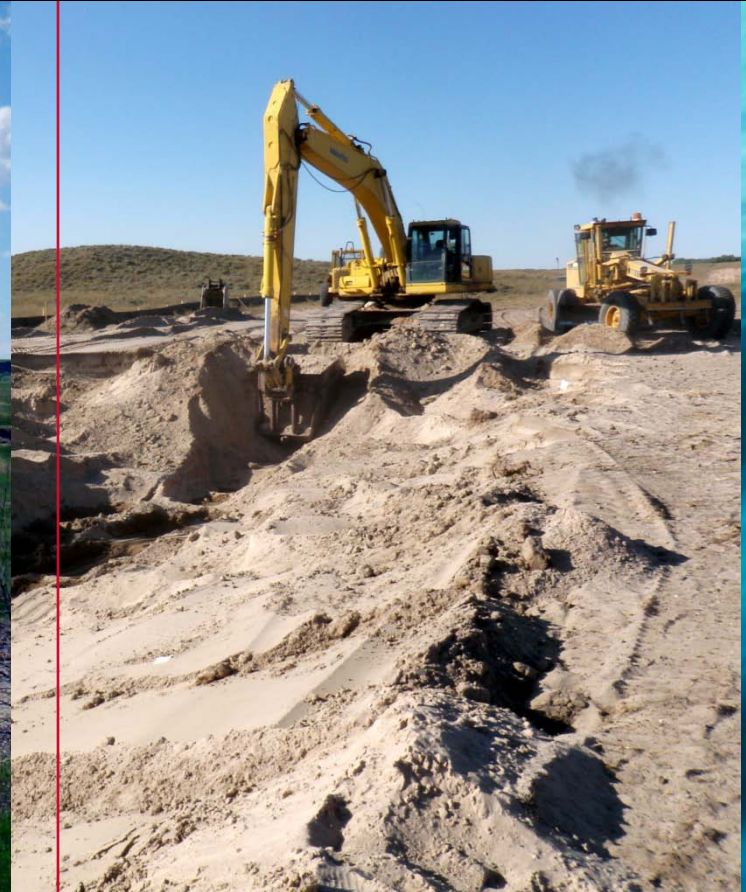


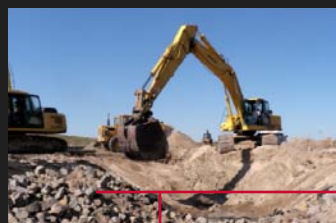
RRWCD Board Meeting Presentation



Republican River Compact
Compliance Pipeline Project

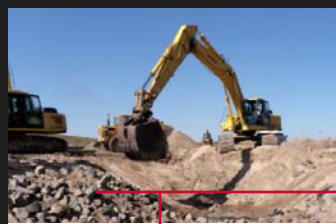
July 12, 2012
Holyoke, CO





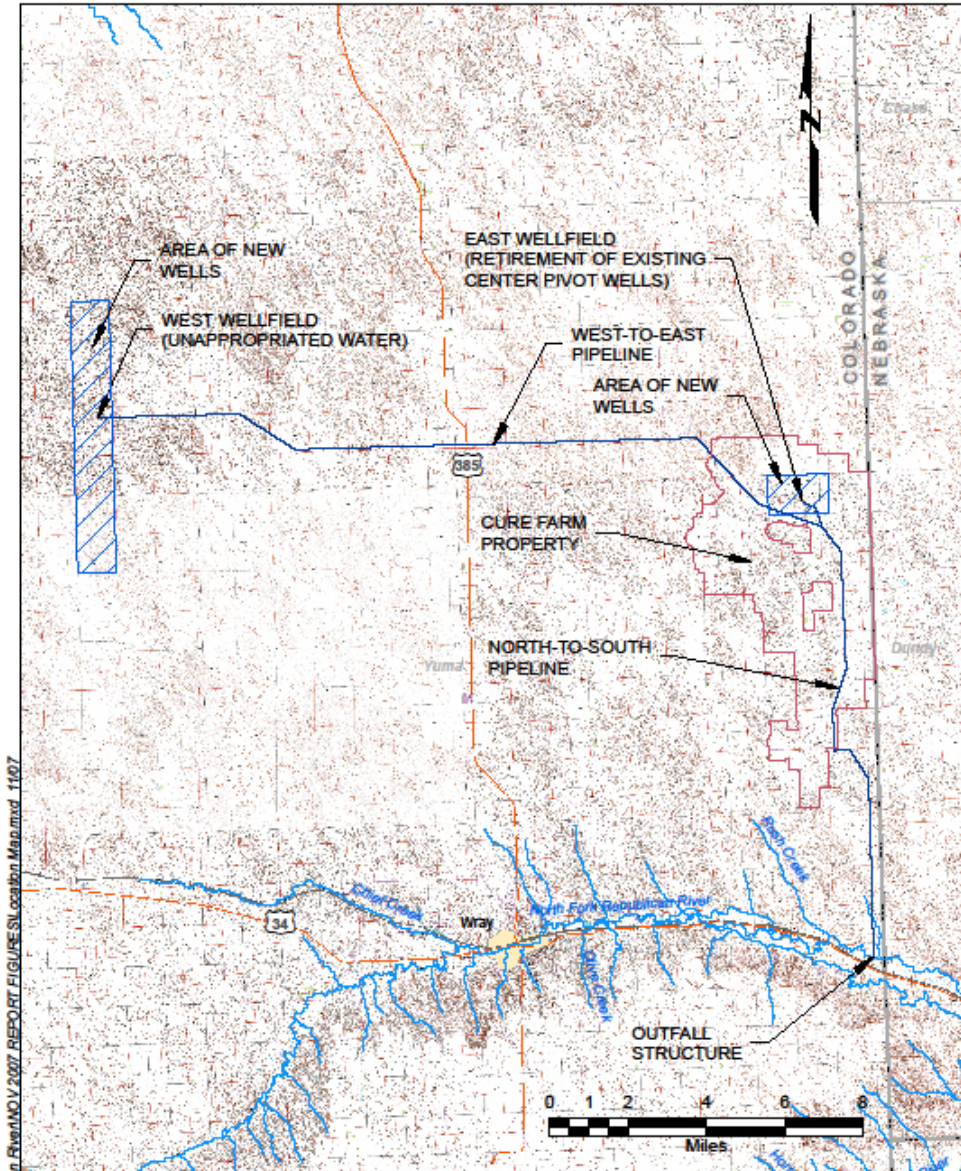
Project History – Inception

- 1942 Republican River Compact
- Final Settlement Stipulation accepted in 2003
- Water Activity Enterprise created
- Compact Pipeline concept conceived




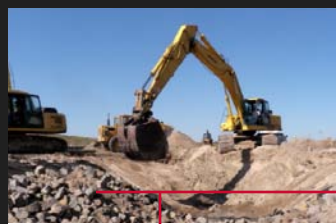
Project History – Alternative Evaluation

- Conceptual Pipeline Project Layout
 - Retirement of 8 existing wells
 - Two alternative alignments
 - Storage tank to regulate water head
 - Outlet structure to control flows
- Groundwater modeling to estimate depletions
 - Used to select appropriate wells



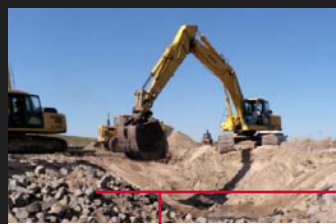
P:\07 2670 Republican River\NOV 2007 REPORT FIGURE\Location Map.mxd 11/07

<p>Republican River Compact Compliance Pipeline Yuma County, Colorado</p>		<p>FACILITIES LOCATION MAP</p>
<p>Republican River Water Conservation District</p>	<p>072870</p>	<p>November 2007 Figure 1</p>



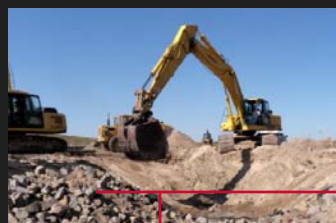
Project History – Preliminary Design

- Preliminary Design Began in 2008
 - Selection of north-south alignment
- Several alignment adjustments
 - Land ownership
 - Hydraulics
- Aerial Photography and Surveying
- Began Obtaining Easements
- PTAC Meetings to Review Technical Matters



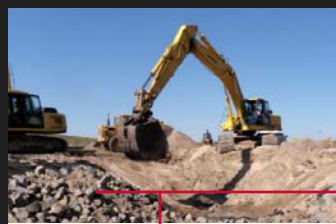
Project History – 90% Design

- Completed Specifications and Drawings in March 2009
- Performed Feasibility of Hydroelectric Analysis
- Pipeline Material Selection: PVC vs. DI



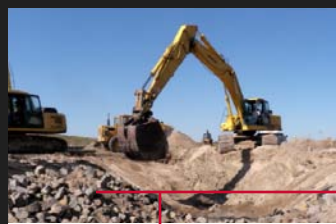
Project History – 2009-2011

- Project Delayed for Two Years due to Kansas/Nebraska Denying Compact Credits From the Pipeline
- Deb Daniel Selected as New District Manager
- Material Costs Fluctuations Throughout Project Delay
 - Cost of scrap metal and oil costs
 - 2008 Olympics
 - 2011 prices “ideal” for project



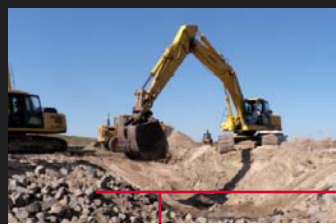
Project History – 2011 “Go Time”

- RRWCD and Legal Council Determine to Move Forward With Project
- Finalize Specifications and Drawings in April 2011
- Begin Obtaining County Land Use and Road Permits



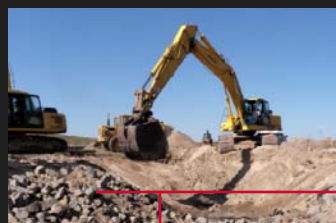
Project History – 2011 “Go Time”

- May 2011 – Issue Advertisements for Pre-qualifications
 - Scoring system including local participation, cost and approach
 - 11 Contractors submit qualifications
 - 6 Contractors pre-qualified to bid on project
- June 2011 – Receive Contractor Bids
- July 2011 – Award Contract to Garney Construction as Low Bid and With Highest Weighted Score



Project History – 2011 “Go Time”

- August 2011 – Begin Working With Garney
 - Review submittals
 - Answer RFI’s
 - Garney mobilization to site
- Drill Wells for Temporary Water During Construction
- Ground Breaking Ceremony – August 29
- Begin Construction September 14, 2011



Summary of Work

- Outfall Structure and Channel

95% Complete

- Transmission Pipeline

100% Complete

- Collection Tank and Tank Site

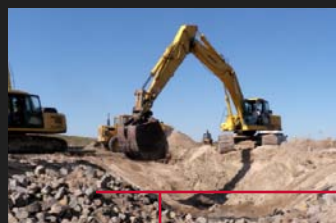
97% Complete

- Wellfield Collection Pipes

97% Complete

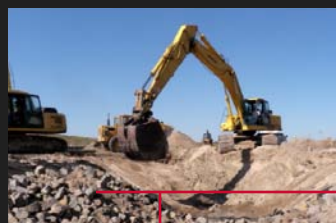
- Wells and Well Buildings

100% Complete



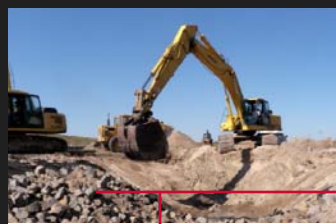
Contract Summary

Contract Summary	Amount
Original Contract Amount	\$13,542,985
• Approved Change Orders	\$589,398
Revised Contract Amount	\$14,132,383
• Work Completed Through March	\$11,674,041
• Previous Payments	\$10,867,760
Remaining Contract Amount	\$2,458,342
Percent Of Contract Paid	82%



Change Order Summary

- 1 Addition of penta-head security bolts; Carsonite markers at AR/AV valve manholes; Dampproofing and vapor barrier at outfall structure
- 2 Revised wellfield structures, electrical, mechanical, and site work
- 3 Additional riprap lining in discharge channel
- 4 Sonar jetting at wells A8, A2, and B5; Valve modifications in outfall structure
- 5 Modifications to electrical system at the collection tank; Repair of existing 8" diameter PVC irrigation line on Corsica property
- 6 Acceleration of wellhouse construction schedule to meet April 15 "soft" deadline

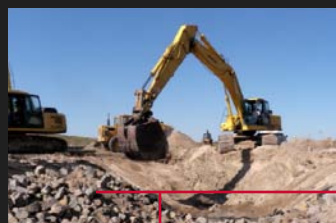


Change Order Summary (Cont.)

- 7a Modifications to revegetation specifications;
Revegetation by Shaw Equipment
- 7b Change motor at well A6 from 100 hp to 125 hp per
Directive No. 10
- 7c Change from Stevens Type F recorder to Sutron SDR
at Parshall flume stilling well per Directive No. 9
- 7d Flow fill encasement of PVC collection lines at
intersections with Cure private roads at two locations
- 7e Electrical Modifications for center pivot sprinkler
hookups (Eckstine scope of work only)
- 8a Store and forward site
- 8b Spare tools and maintenance equipment
- 9 Final change order to “equalize” all unit price line
items at project completion

Change Order Summary (Cont.)

Change Order No.	Change Order Amount	New Contract Amount	Notes
-	\$ -	\$ 13,542,985.00	Original Contract
1	\$ 5,295.98	\$ 13,548,280.98	Executed January 16, 2012
2	\$ 478,010.99	\$ 14,026,291.97	Executed February 24, 2012
3	\$ 49,266.00	\$ 14,075,557.97	Executed February 15, 2012
4	\$ 23,189.03	\$ 14,098,747.00	Executed February 15, 2012
5	\$ 33,635.76	\$ 14,132,382.76	Executed March 20, 2012
6	\$ 40,514.25	\$ 14,172,897.01	In review
7	\$ 62,114.00	\$ 14,235,011.01	C.O.7 Subtotal ~ \$98,464.00
	\$ 11,050.00	\$ 14,246,061.01	Approximate
	\$ 1,300.00	\$ 14,247,361.01	Approximate
	\$ 4,000.00	\$ 14,251,361.01	Approximate
	\$ 20,000.00	\$ 14,271,361.01	Approximate
8	\$ 30,000.00	\$ 14,301,361.01	Approximate
	\$ 10,000.00	\$ 14,311,361.01	Approximate
9	TBD	TBD	
Total	\$ 768,376.01	\$ 14,311,361.01	5.67%

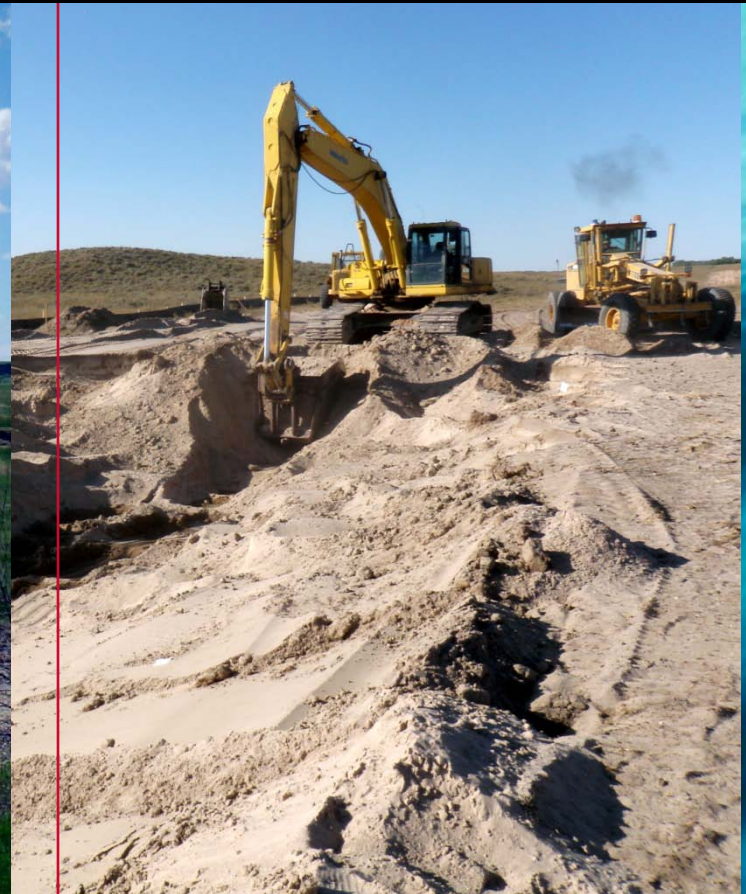


Construction Schedule

Task	2011					2012									
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct
1.0 Access Roads		100%													
2.0 Outfall Channel		100%													
3.0 Outfall Structure				100%											
4.0 Wellfield Piping					100%										
5.0 Pump Rehabilitation				100%											
6.0 Well Site Construction								98%							
7.0 Main Transmission Pipe				100%											
8.0 Collection Tank				95%											
9.0 Outfall Structure Mechanical						100%									
10.0 Control Building							95%								
11.0 Reclamation								100%							
12.0 Startup and Testing										50%					

Construction

- Task Schedule
- Completed



Construction Photos

Project Beginning Through Present

Well Sites and Well Buildings



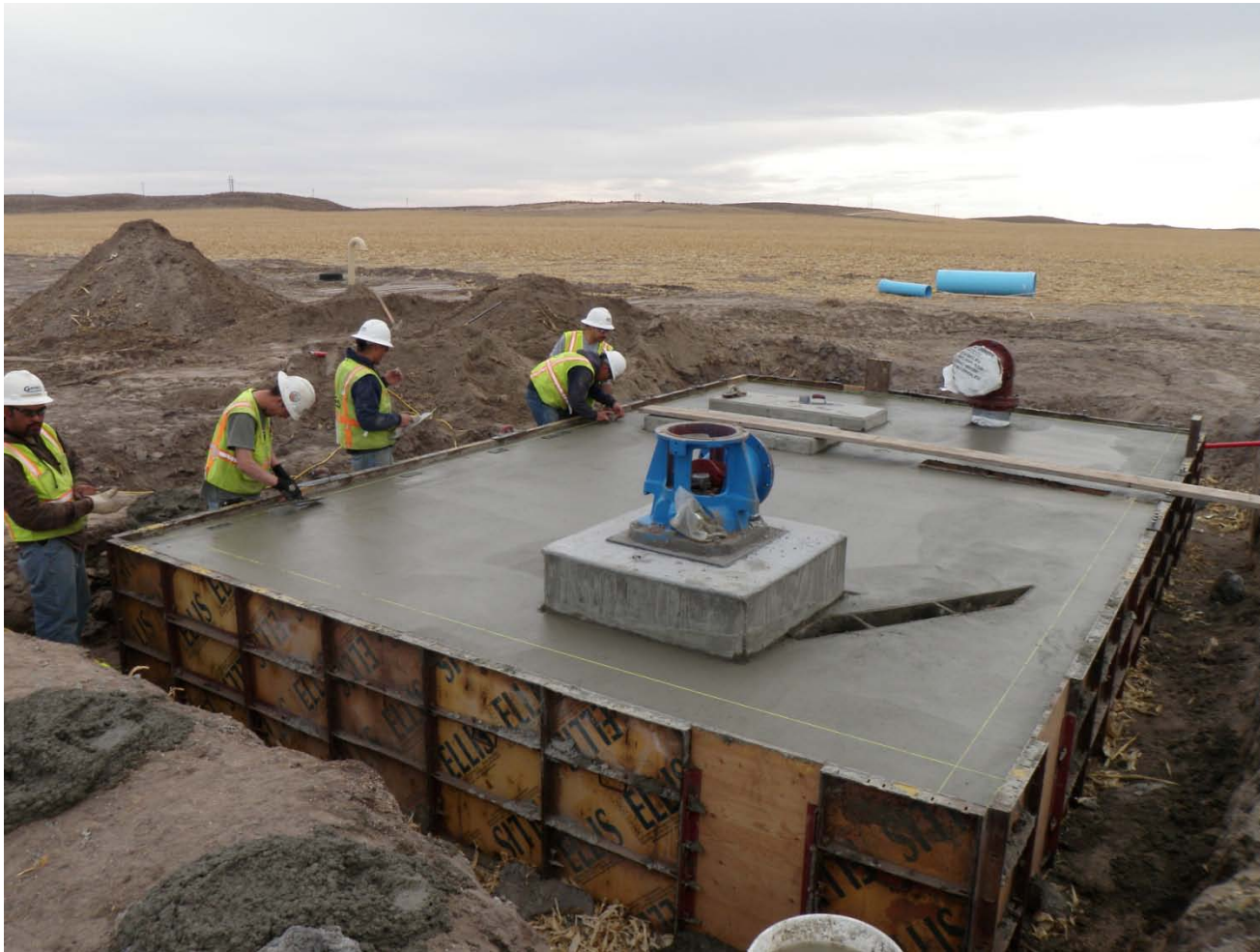
Quality Irrigation removing existing column pipe at well site A8.

Well Sites and Well Buildings



Garney preparing ground to set footing forms for well house at site A3.

Well Sites and Well Buildings



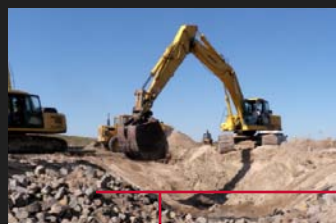
Installing steel anchor plates in concrete after screeding slab at well site A4.

Well Sites and Well Buildings

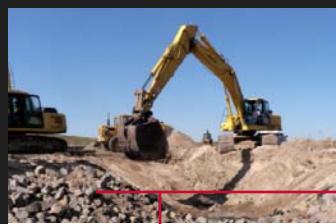


Colorado Precast installing a wall panel of well house B5.

Well Sites and Well Buildings



Well house A5 after Colorado Precast has completed the installation.



Well Sites and Well Buildings

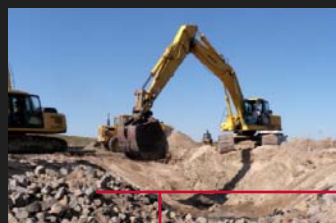


Well house piping, showing air valve and irrigation pipe stub.

Well Sites and Well Buildings



Installation of hydro-pneumatic tank in well house.

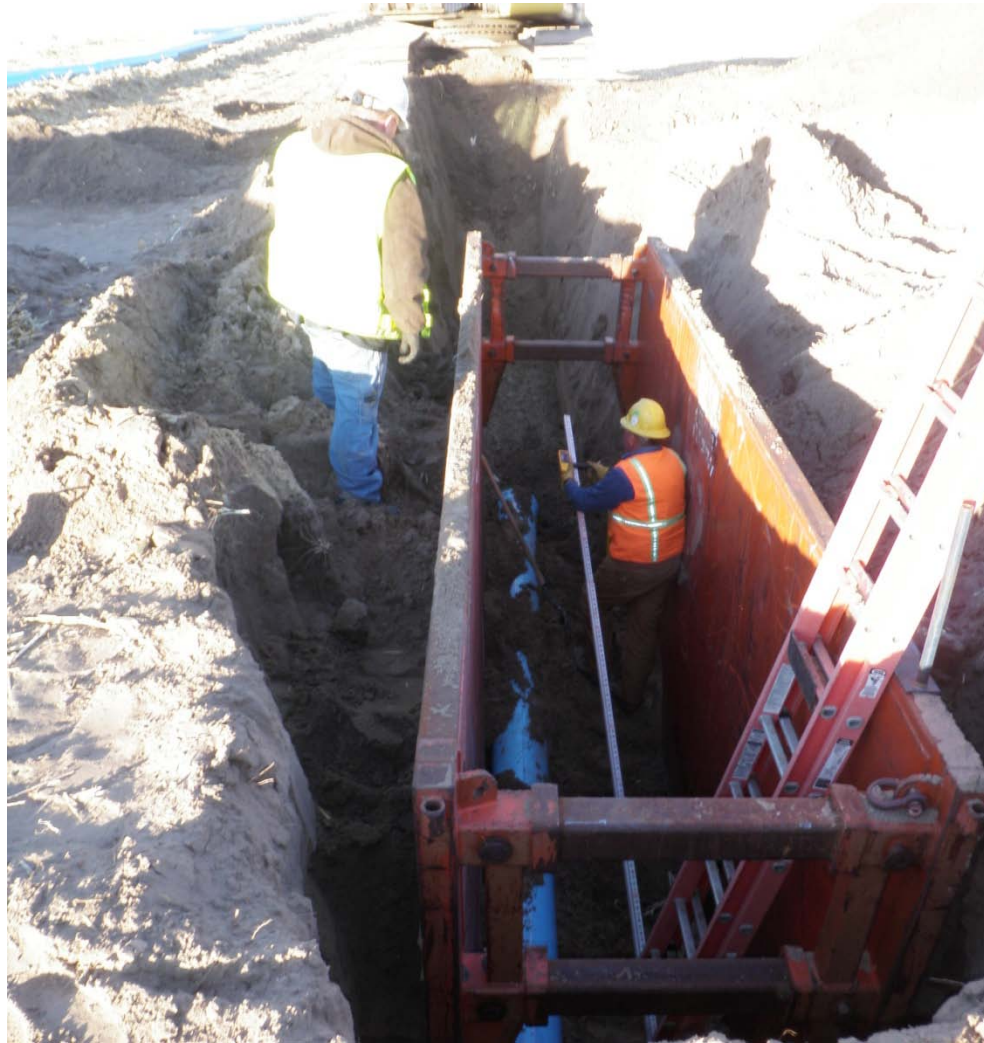


Well Sites and Well Buildings



Completed interior of a well house.

Wellfield Collection Pipeline



Sessions installing first stick of PVC collection pipe on line A7.

Wellfield Collection Pipeline



Sessions excavating trench for installation of PVC pipe on collection line A5.

Wellfield Collection Pipeline



Sessions making a bell and spigot connection on a PVC well collection line.

Wellfield Collection Pipeline



Sessions installing 12-inch PVC pipe along collection line A8, looking west.

Wellfield Collection Pipeline



Sessions compacting backfill over PVC line A8 at County Road RR crossing.

Wellfield Collection Pipeline



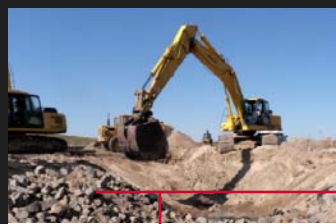
Sessions installing blowoff manhole at Station A5 44+50 on collection line.

Wellfield Collection Pipeline



Pipe and gate valve installation at well field manifold.

Collection Tank and Tank Site



Access road leading to collection tank, looking west from County Road RR.

Collection Tank and Tank Site



Sessions overexcavating soil underneath collection tank.

Collection Tank and Tank Site



Spreading backfill under collection tank foundation before compacting lift.

Collection Tank and Tank Site



Sessions installing rebar and formwork for control building footer.

Collection Tank and Tank Site



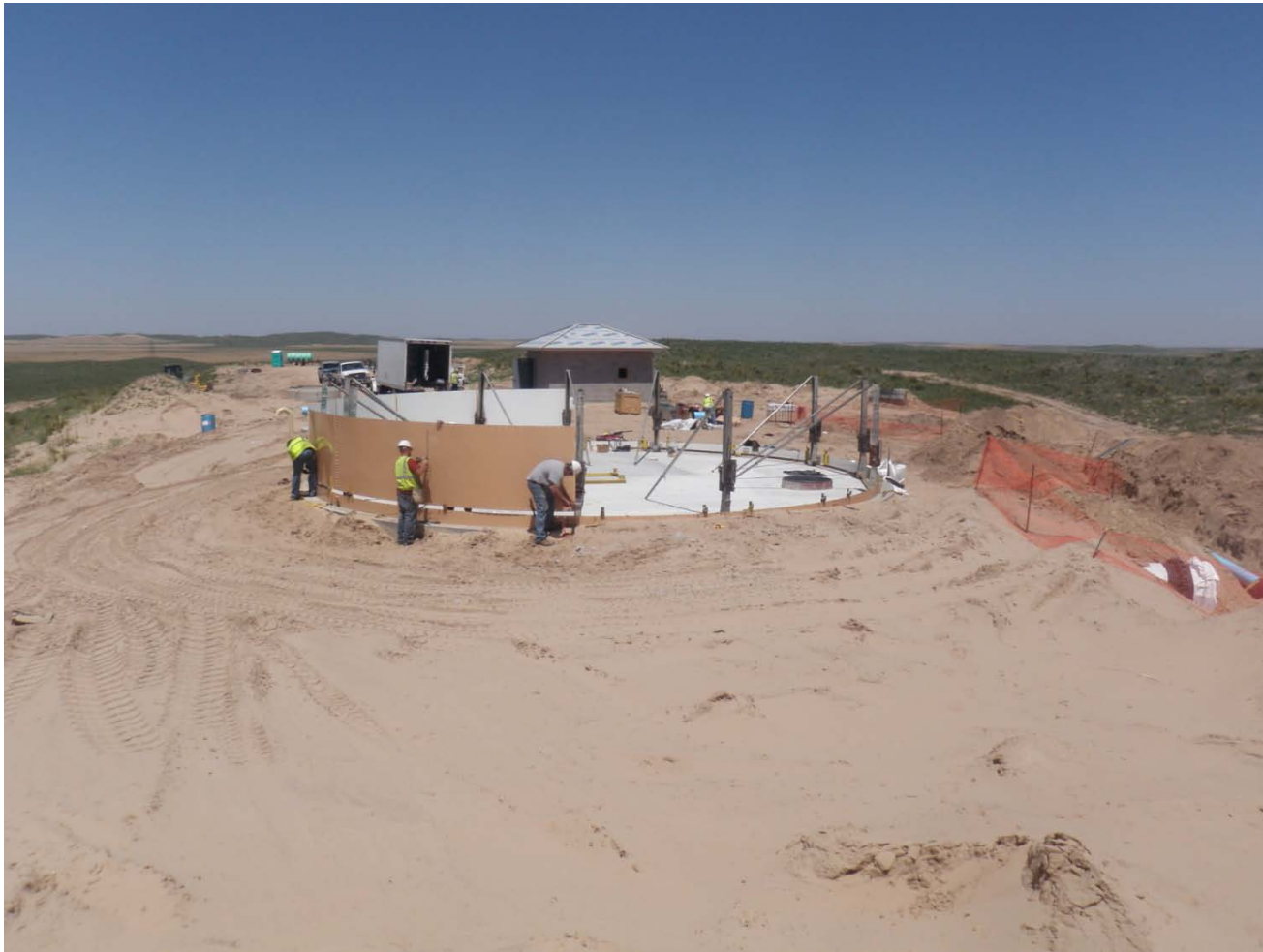
Collection tank and control building after placing both concrete slabs.

Collection Tank and Tank Site



Construction of the masonry control building at the tank site.

Collection Tank and Tank Site



Installation of the steel panels for the collection tank.

Collection Tank and Tank Site



Assembly of the domed roof for the collection tank.

Collection Tank and Tank Site



Completed collection tank.

Collection Tank and Tank Site



Completed control building at collection tank site.

Main Ductile Iron Transmission Pipeline



Garney unloading ductile iron pipes from delivery trailer.

Main Ductile Iron Transmission Pipeline



Garney placing first stick of ductile iron pipe in the ground at Station 9+68.

Main Ductile Iron Transmission Pipeline



Garney installing ductile iron pipe, showing bell and spigot installation style.

Main Ductile Iron Transmission Pipeline



Air release on main pipeline installed at approximately Station 607+05.

Main Ductile Iron Transmission Pipeline



Garney installing manhole over air release at Station 45+28.

Main Ductile Iron Transmission Pipeline



View of 42"x36" reducer at Station 442+60 on main transmission pipeline.

Main Ductile Iron Transmission Pipeline



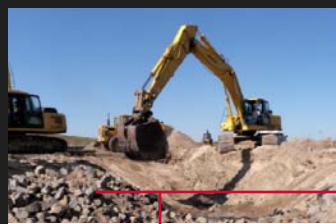
Garney backfilling trench over 42-inch ductile iron pipeline.

Main Ductile Iron Transmission Pipeline



Garney placing final piece of DI pipe at collection tank site.

Main Ductile Iron Transmission Pipeline



Shaw Equipment performing site reclamation within temporary easement.

Outfall Structure and Discharge Channel



Sessions excavating discharge channel near Station 0+00.

Outfall Structure and Discharge Channel



Sessions excavating discharge channel, riprap placement has begun.

Outfall Structure and Discharge Channel



Concrete slab under Parshall flume after placement and finishing.

Outfall Structure and Discharge Channel



Sessions placing concrete with hopper bucket in Parshall flume wing walls.

Outfall Structure and Discharge Channel



Outfall structure slab rebar mat tied and ready for concrete placement.

Outfall Structure and Discharge Channel



Sessions working on concrete placement in the walls of the outfall structure.

Outfall Structure and Discharge Channel



Sessions installing piping inside the outfall structure.

Outfall Structure and Discharge Channel

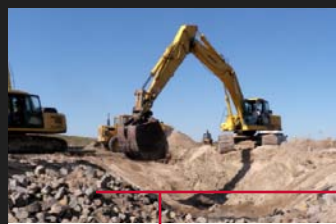


Outfall structure after roof placement with trashrack partially installed.

Outfall Structure and Discharge Channel

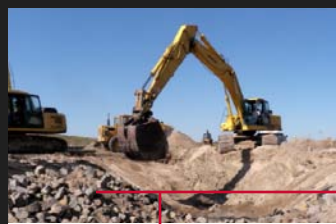


Rip rap lined outfall channel.



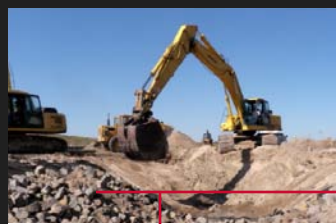
Look Ahead to Project Completion

- July 2012
 - Complete Installation of SCADA System
 - Complete Hydrostatic Testing of Wellfield Piping
 - Final Site Grading and Clean-up at Tank and Outfall Structure
 - Complete Punchlist Items
- August 2012
 - Dedication Ceremony on August 16
- September 2012
 - Perform Pump Tests on Wells



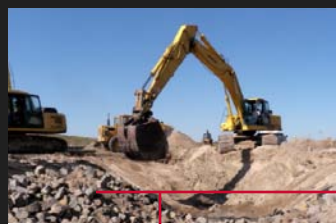
Look Ahead – Contract Administration

- Release Retainage to Garney. Paid Through CWCB
- Determine Date of Substantial Completion
 - Contractor will submit request for substantial completion
 - Begins 1-year warranty period
- Application for Final Payment
 - Garney must pass the final inspection
 - Claim releases from suppliers and subcontractors
 - Surety release signed on the labor & material bond
 - Garney submits final as-built drawings to GEI
 - Advertise for final payment, at least 10-days before settlement, twice in a local newspaper.



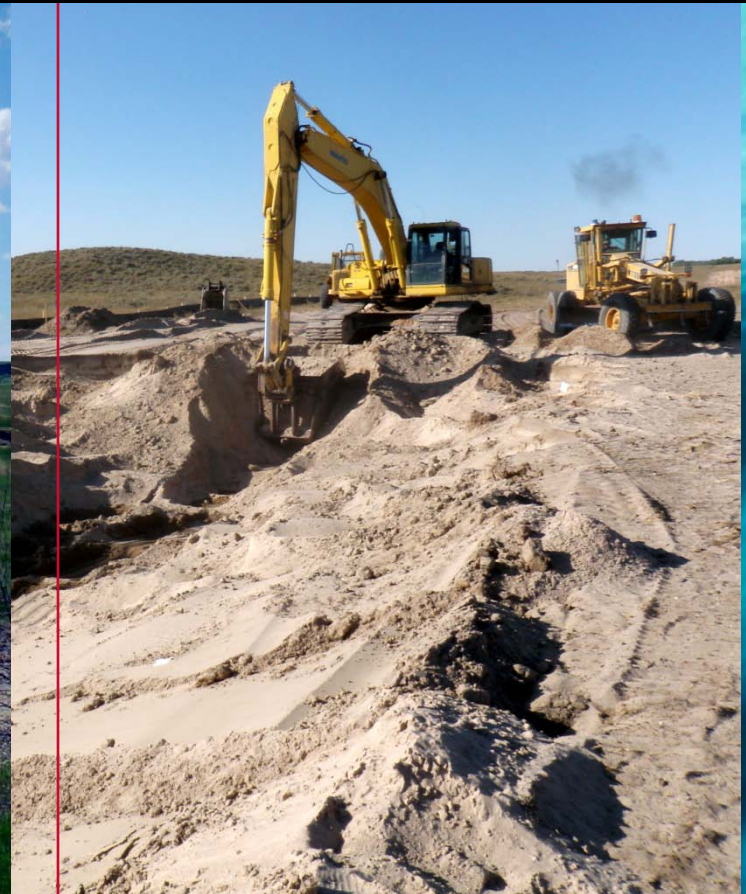
Look Ahead – Contract Administration

- CWCB Loan
 - Date of Substantial Completion is When Interest That Has Accrued on Loan is Paid
 - This Date is Different Than Construction Substantial Completion
 - Based on Financial Completion Rather Than Work Completion
 - CWCB Estimate ~ \$3.5 million.
 - Payments on Loan Start 1-year from Substantial Completion



Look Ahead – O&M

- Training of Pipeline Operations Manager
 - Tracy **XXXX**
 - Interviewed by PTAC and GEI
 - Training Performed by Timberline, Ed Serfozo and GEI
- Complete Operating Procedures Manual – GEI
- Deliver Water....2013?



Thank you.