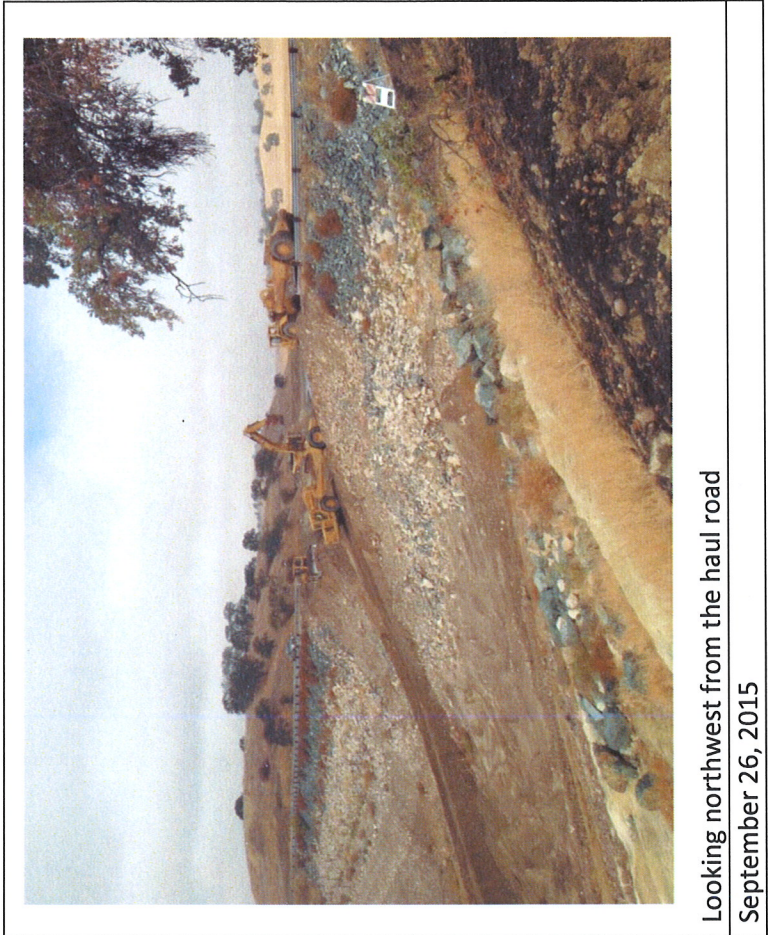


PHOTO SUMMARY



Item # 5

PHOTO SUMMARY



Looking west on the Causeway - Contractor excavating Causeway. The dark material is random material (dirt), which comprises the core of the Causeway. The light material on the right of the photograph is drain zone material (river rock and cobble), which comprises the outerlayer of the Causeway.


September 30, 2015



Looking south from Causeway - Scraper hauling and sorting engineered fill material excavated from Causeway to stockpiles. On the left, drain zone material (river rock and cobble). On the right, random material (dirt).

September 30, 2015

PHOTO SUMMARY

	<p>Looking southwest on the Causeway towards Lake Camanche - Causeway excavation complete. Site being prepared for pipe installation the following day.</p>	<p>October 7, 2015</p>
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	<p>Looking northwest from Causeway towards Rabbit Creek - 40 foot section of pipe ready for installation the next day. Note the water elevation difference elevation between the photograph on the left and this photograph. Water surface difference was approximately 20 feet.</p>	<p>October 7, 2015</p>
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PHOTO SUMMARY



Looking northwest from Causeway towards Rabbit Creek - First 40 foot section of pipe installed with concrete backfill to seal seepage from Rabbit Creek

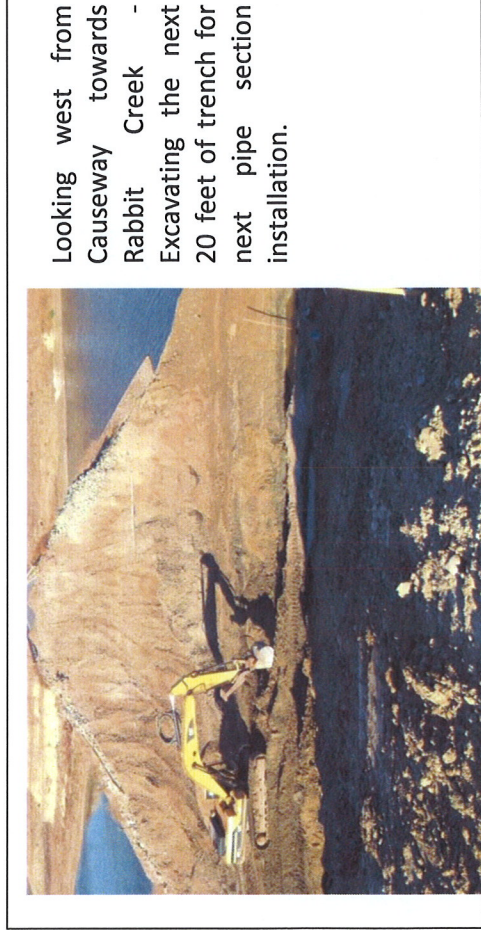
October 9, 2014



Looking down on the end of the newly installed 40 foot section of pipe, The next 20 foot section of pipe would be installed the following day.

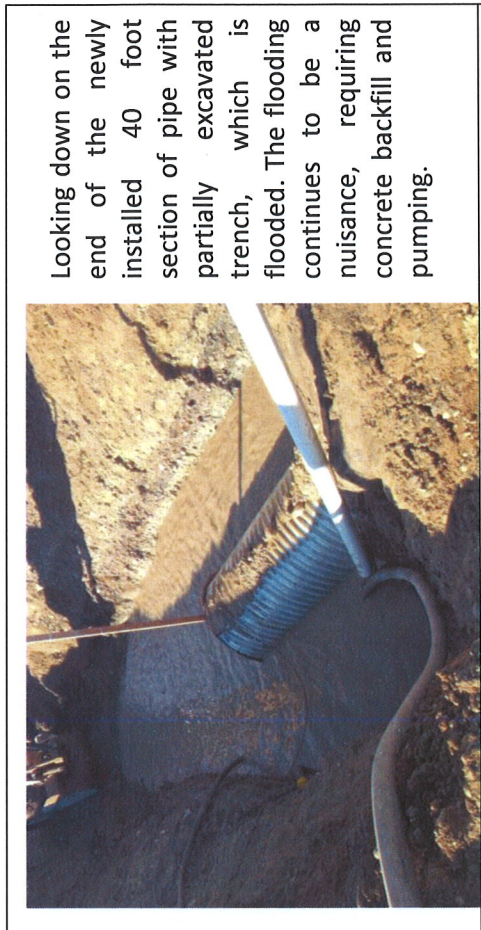
October 9, 2014

PHOTO SUMMARY



Looking west from Causeway towards Rabbit Creek - Excavating the next 20 feet of trench for next pipe section installation.

October 10, 2014



Looking down on the end of the newly installed 40 foot section of pipe with partially excavated trench, which is flooded. The flooding continues to be a nuisance, requiring concrete backfill and pumping.

October 10, 2014



Looking down on the end of the newly installed 20 foot section of pipe. The trench remains flooded with multiple pumps working. Later in the day, about half the trench will be back filled with concrete, capping both culvert sections and joint.

October 10, 2014



Looking northwest from Causeway towards Rabbit Creek - 20 foot section of pipe installed with concrete backfill to seal seepage from Rabbit Creek. Water still floods the end from inside the pipe. The inflatable plug installed at the end of the first section in

Rabbit Creek was not designed to be watertight.

October 10, 2014

PHOTO SUMMARY


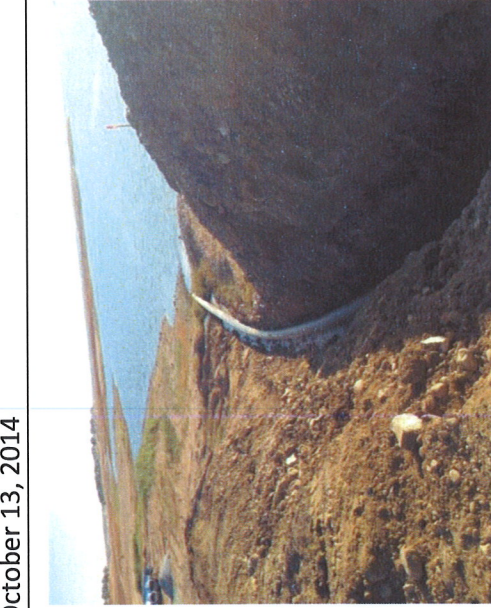
 <p>Looking down on the end of the newly installed 20 foot section. Concrete cured over the weekend, sealing the sides of the trench. Water from Rabbit Creek still leaking through the pipe, causing flooding and pumps are failing. County and Contractor decide to being excavating bypass</p>	<p>Looking north along the temporary bypass trench that leads back to the flooded area at the pipe end.</p>
 <p>Looking down on the pipe end when the bypass gravity drain is installed in the bypass trench. The drain is effective and dewaterers the trench nearly completely.</p>	<p>Looking south towards Lake Camanche showing the bypass drain and trench. The hose used for the drain was salvaged from the siphon that had been previously used to equalize Lake Camanche and Rabbit Creek.</p>
<p>October 13, 2014</p>	<p>October 13, 2014</p>

PHOTO SUMMARY



Looking down on the pipe end at the bypass drain. The drain remains effective and next pipe section is placed for installation.

October 14, 2014



Looking north down the dry trench. The remaining pipe section were installed that day.

October 14, 2014

PHOTO SUMMARY



Looking north towards Rabbit Creek. Pipe is installed and backfilled. Preparations for reconstruction of the Causeway are underway.

October 15, 2014



Looking northeast towards the pipe outlet from the water edge of Lake Camanche.

October 15, 2014

PHOTO SUMMARY





 <p>Looking east viewing the reconstruction of the Causeway. Contractor placing and compacting the stockpiled material.</p>	<p>October 17, 2014</p>
 <p>Looking northeast showing the placement of the engineering embankment. Note the outerlayer drain zone material in contrast to the darker random zone material.</p>	<p>October 17, 2014</p>
 <p>Looking south from the Causeway towards the stockpile and staging area</p>	<p>October 17, 2014</p>
 <p>Compaction testing</p>	<p>October 17, 2014</p>

PHOTO SUMMARY





	<p>Looking north from Lake Camanche towards Causeway</p>		<p>Placing material and compacting</p>
<p>October 21, 2014</p>	<p>October 23, 2014</p>		
	<p>Compaction Testing</p>		<p>Looking west - Causeway reconstruction nearly complete, except for paving on Camanche Parkway North.</p>
<p>October 28, 2014</p>	<p>November 3, 2014</p>		

PHOTO SUMMARY








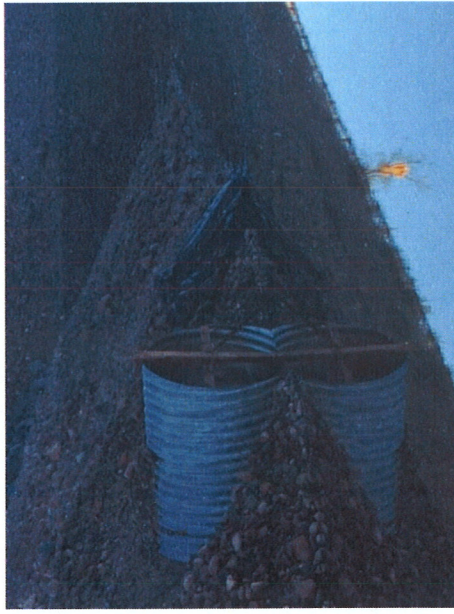
 <p>Placing aggregate base</p>	 <p>Aggregate base placed and ready for paving</p>
 <p>Inflatable plug failure and Rabbit Creek begins to drain</p>	 <p>View of scour damage at the Lake Camanche outlet a few days after pipe plug failure.</p>
<p>November 5, 2014</p>	<p>November 6, 2014</p>
<p>December 31, 2014</p>	<p>January 2, 2015</p>

PHOTO SUMMARY

 <p>Discharge scoured away the top 10 feet of soil along with the 1/4 ton rock apron leaving a hole with a pool of water. See daylight at the other end of pipe in Rabbit Creek.</p>	 <p>Rabbit Creek is nearly drained to elevation 195. Shown here is view of the scour damage and the destroyed 1/4 rock apron</p>
 <p>View of culvert outlet repair on the Lake Camanche side. The scour hole was filled in and the area reshaped by County Forces. A limited 1/4 ton rock apron was reconstructed.</p>	 <p>View of exposed culvert end in Rabbit Creek. The cross bracing at the end of the pipe was later removed by EBMUD.</p>

January 7, 2015

January 14, 2015

January 5, 2015

January 7, 2015