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LARGE DIAMETER FIBERGLASS JUNCTION STRUCTURES FOR SANITARY SEWERS

Amanda Voss, PE Project Manager, Trinity River Authority **George Farah, PE** Conveyance Team Leader





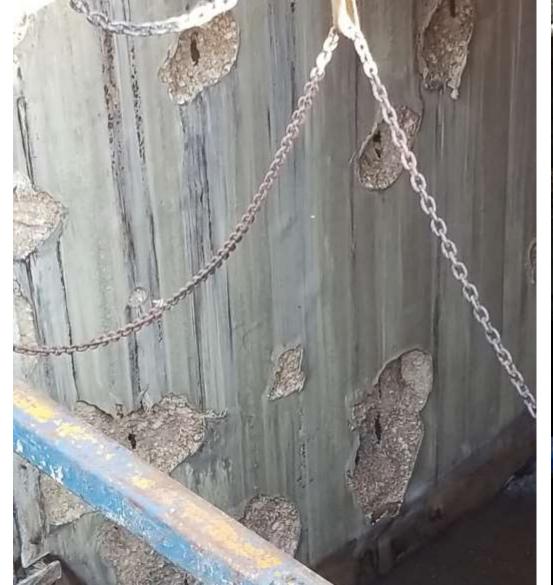
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PIPELINE CONSTRUCTION





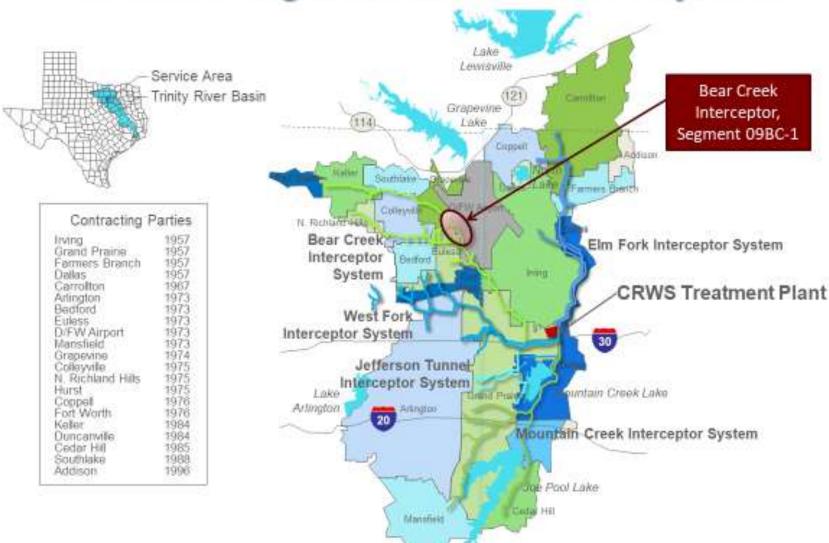






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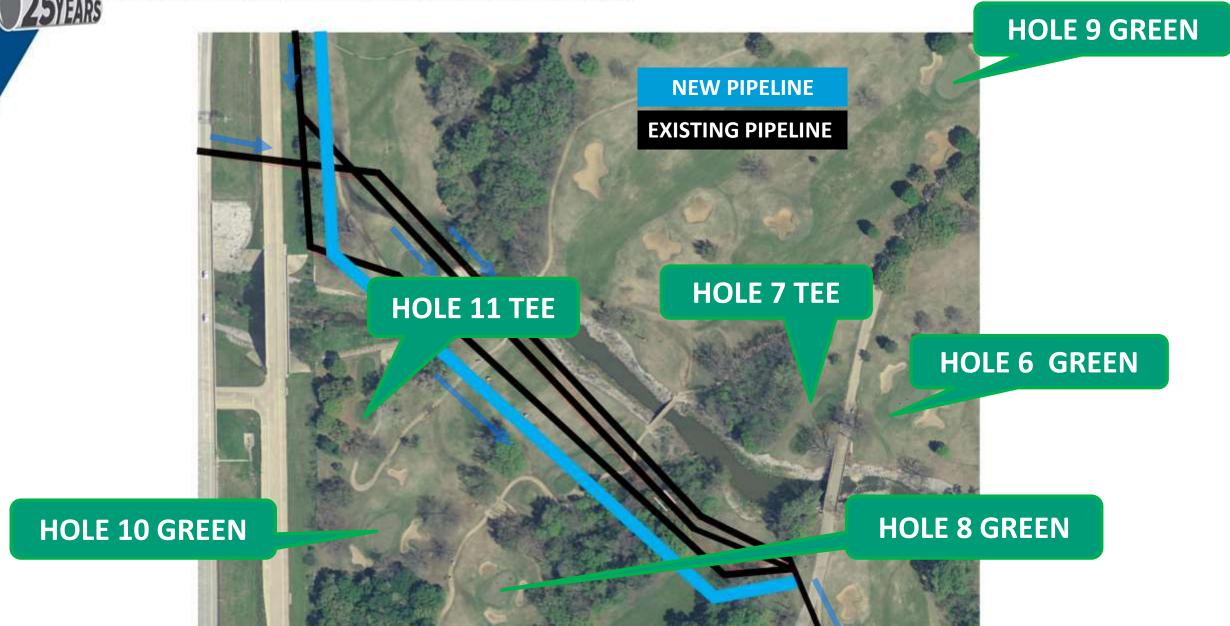
Central Regional Wastewater System

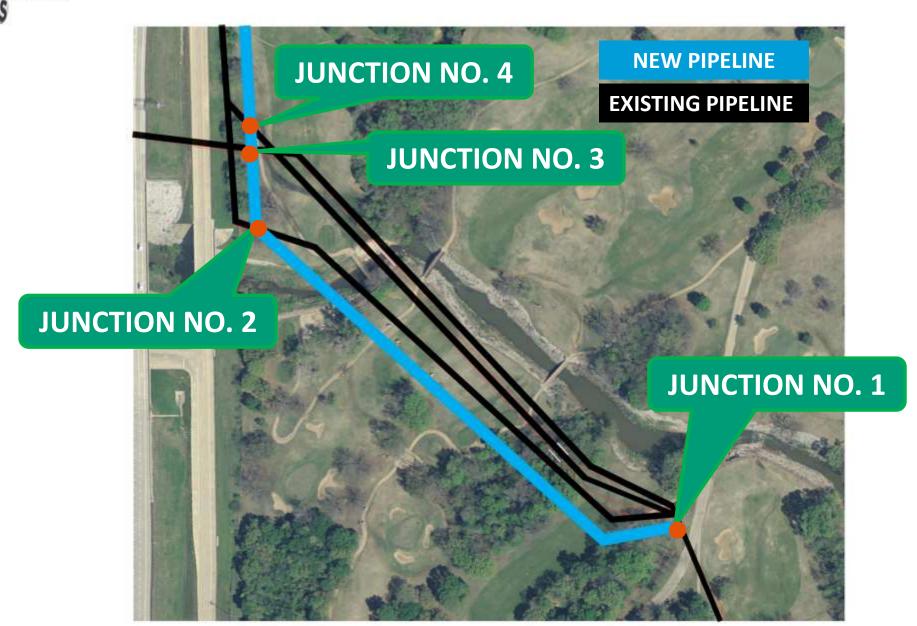




- 5 Miles 60", 48", 42"
- 3,500 LF on Golf Course60", 54" and 48"



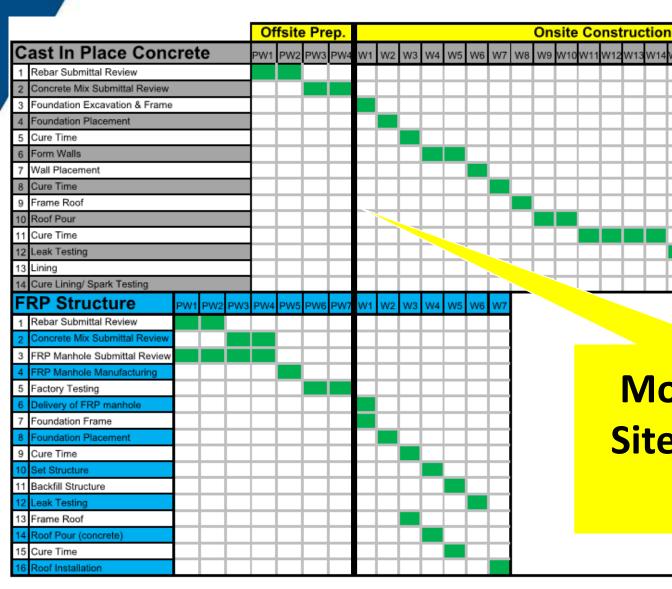






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PROJECT SCHEDULE



15 Week
Saving

Mobilize on Job
Site/ Access Golf
Course













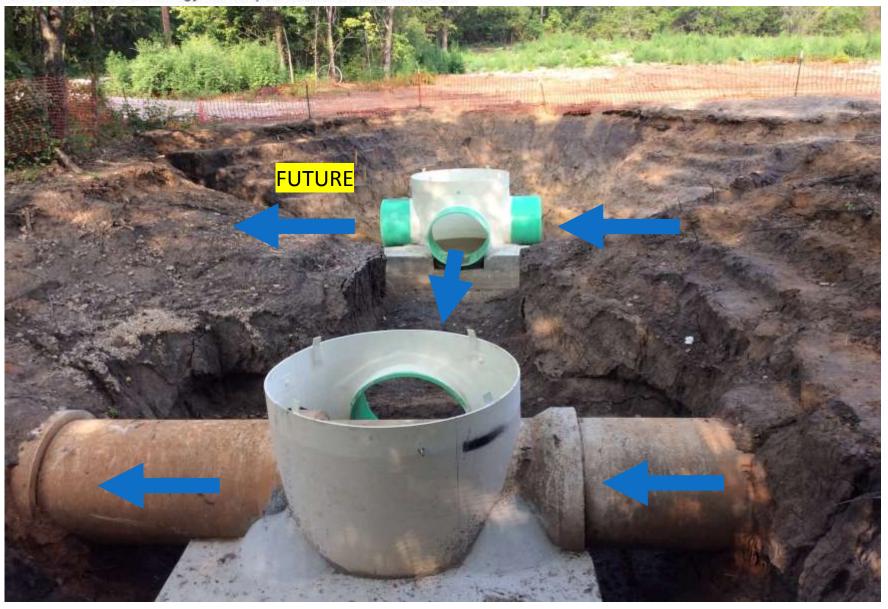
















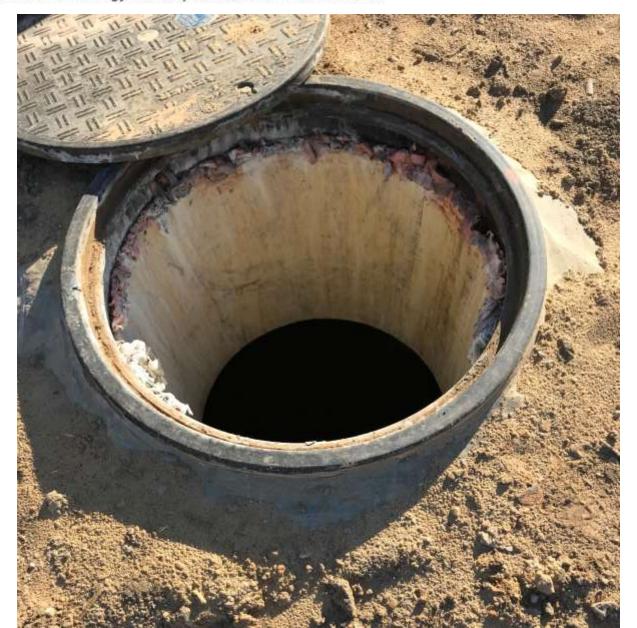




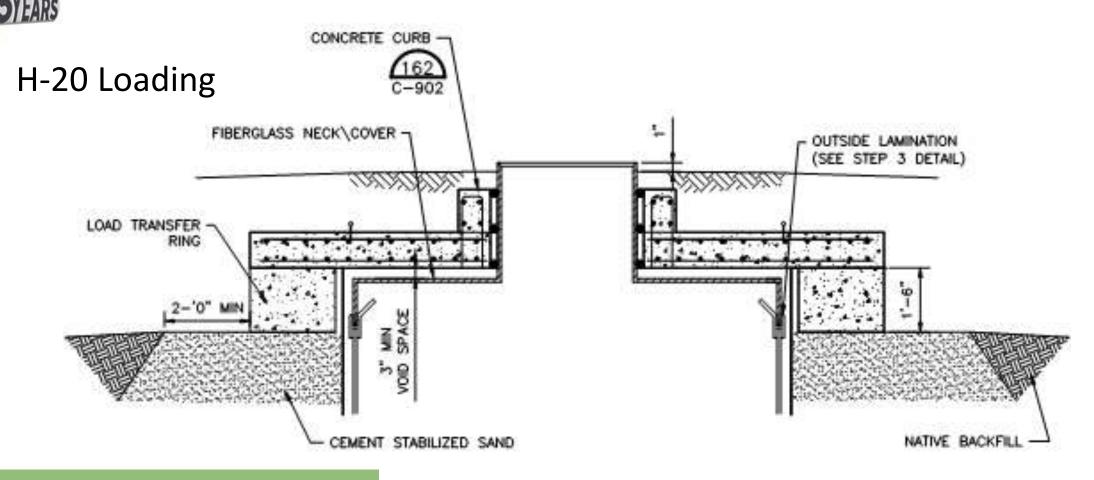






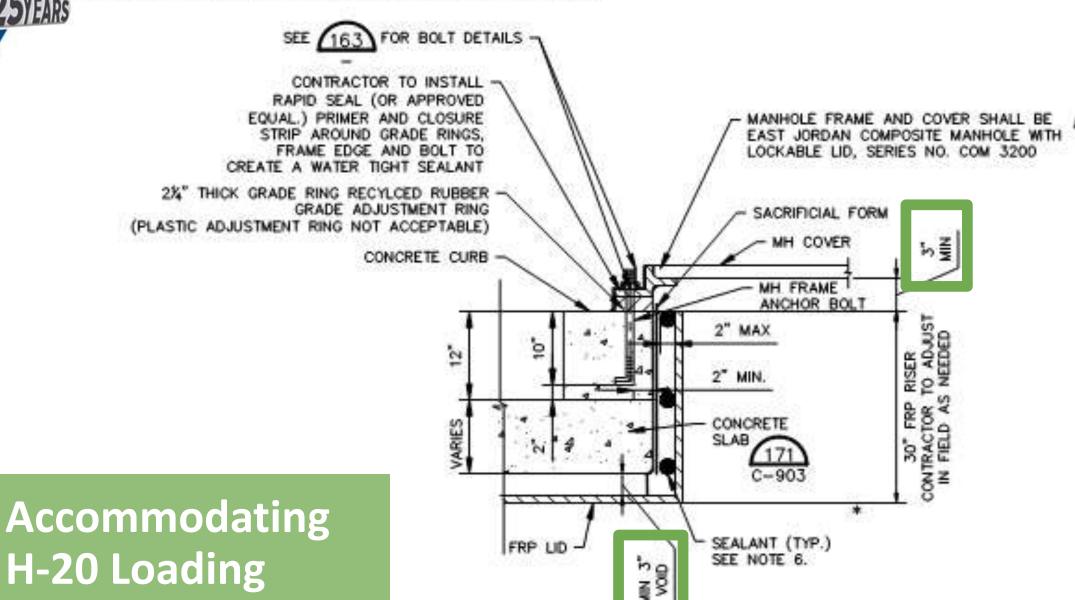


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Accommodating H-20 Loading

STEP 5 DETAIL
CONCRETE LID PLACEMENT



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Resulted in Junction Structure Cost savings of more than \$1,080,000*.

ltem	Large Diameter FRP Structure	Concrete Vault
Structure	\$80,000/ Ea.	\$200,000/ Ea.
Liner	\$0	\$25,000/ Ea.

^{*} Costs for Bypass Pumping Savings are not included in this number.

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QUESTIONS?

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