

Mesquite-Brazito Wastewater System Improvements



PROJECT HISTORY

- Initial Preliminary Engineering Report (PER) published in October 2014
- BHI contracted in October 2015 to evaluate PER recommendations and provide an amendment to the original PER to incorporate additional gravity collection
- Major Determination
 - Original PER cost estimate under estimated construction value



CONSTRUCTION COSTS

➤ Phase 1

- Lift Station 1: \$1,087,633
- Lift Station 2: \$1,939,242
- Lift Station 3: \$3,788,633

➤ Phase 1 Bid Alternate #1

- Lift Station 4: \$1,703,819

➤ Future Phase

- Lift Stations 5 through 10: \$8,552,947



PHASE I FUNDING

- Grant \$8,361,104
- Loan \$411,061
- Connection Fees
 - 233 customers X \$144 = \$33,552



USDA REQUIRED COMMITMENT

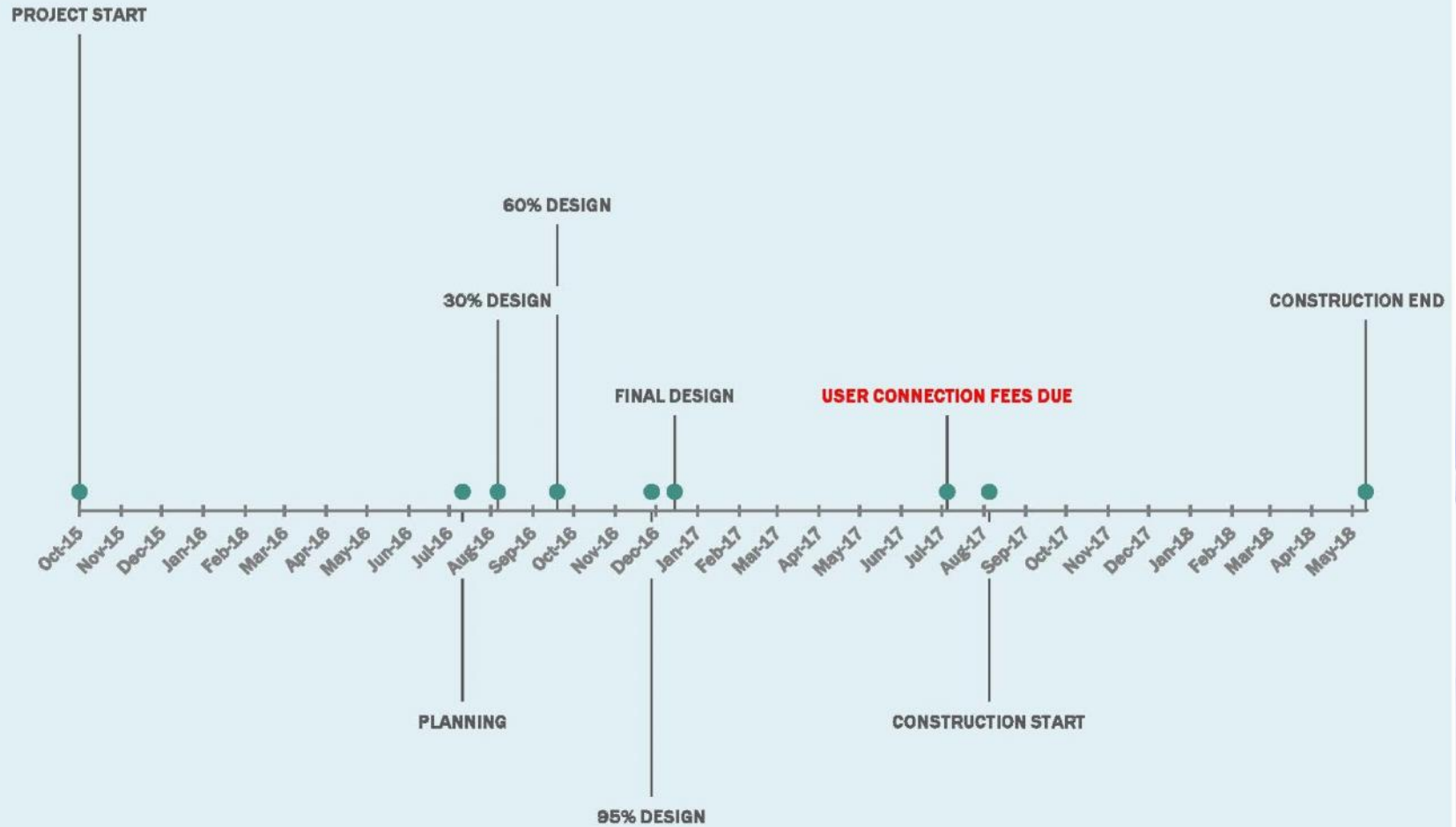
- USDA requires cash customer commitment
 - The Authority waived additional connection fee down to the minimum of 12 months x \$12 (\$144) to provide this benefit at a lower cost.
 - This is the Authority's member's contribution to the project.



OUT OF POCKET COST

	If Paid Before Construction Starts	If Paid After Construction Starts
LRGPWWA Connection Fee	\$144	\$2,500
LRGPWWA Membership Fee (if not already a member)	\$50	\$50
Misc. Construction (Service line, pavement cut, permit fees, septic tank decommissioning, etc.)	\$0	Varies

PHASE 1 PROJECT SCHEDULE



- Payment of \$144 Connection Fee:
 - Payment plan through water bill: \$18.00 a month from November 2016 through July 2017
 - Full payment shall be made available to the Authority by July 2017



EXPECTED SEWER RATES

Residential Rates

- \$12.00 Base fee
- \$1.75 per 1,000 gallons
- Maximum \$47.00 bill
 - Based on 20,000 gallons

Commercial Rates

- \$15.75 Base fee
- \$2.00 per 1,000 gallons up to 10,000
- \$2.25 per 1,000 gallons from 10,001 to 20,000
- \$3.00 per 1,000 gallons over 20,001
- No Maximum

* Future rates are contingent upon DAC treatment costs, O&M expenses, and debt service.



SEWER RATE COMPARISON

NMED Drinking Water Bureau

2015 Local Government Water and Wastewater User Charge Survey for December 2014 Rates

2015 Local Government Owned WATER AND SEWER RATE SURVEY - DEC. 2014 RATES; N/A = Not Applicable or Not Reported

Local Govt. Owned Public Water Systems	COUNTY	RESIDENTIAL 6000 GAL WATER RATE/MONTH DEC 2014	COMMERCIAL 6000 GAL WATER RATE/MONTH DEC 2014	NUMBER OF RESIDENTIAL WATER CONNECTIONS	NUMBER OF COMMERCIAL WATER CONNECTIONS	RESIDENTIAL 6000 GAL SEWER RATE/MONTH DEC 2014	COMMERCIAL 6000 GAL SEWER RATE/MONTH DEC 2014	NUMBER OF RESIDENTIAL SEWER CONNECTIONS	NUMBER OF COMMERCIAL SEWER CONNECTIONS	MONTHLY WATER PRODUCTION FOR JULY 2013 (gallons)	TOTAL ANNUAL WATER PRODUCTION 2013 (gallons)
LLANO QUEMADO MDWCA	TAOS	\$24.60	N/A	250	1	N/A	N/A	N/A	N/A	1,110,800	11,836,400
LOS OJOS MDWCA	RIO ARRIBA	\$30.00	N/A	86	0	N/A	N/A	N/A	N/A	612,100	5,532,949
LOWER COLONIAS MDWCA	SAN MIGUEL	\$42.53	N/A	16	N/A	N/A	N/A	N/A	N/A	18,750	168,450
LOWER RIO GRANDE PUBLIC WWA	DONA ANA	\$23.10	\$48.95	4,847	170	\$22.50	\$27.75	499	11	69,062,278	516,997,194

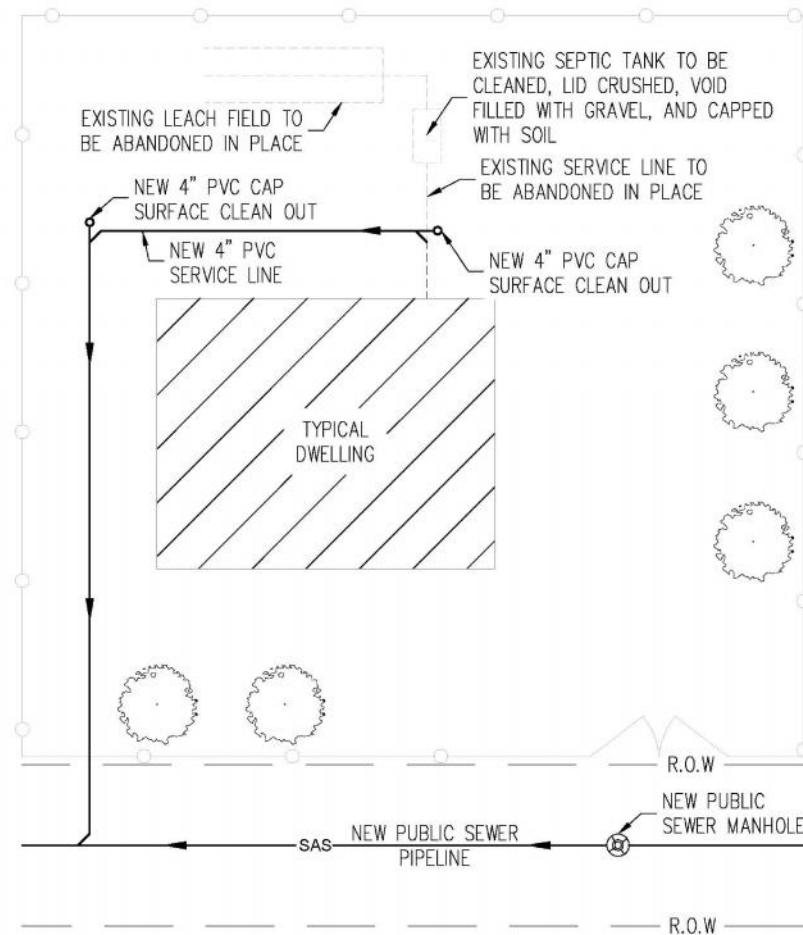
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TIMBERON WATER AND SAN DIST.	OTERO	\$59.60	\$59.60	700	9	N/A	N/A	N/A	N/A	884,589	8,336,004
TRES PIEDRAS MDWCA	TAOS	\$74.00	\$74.00	80	N/A	N/A	N/A	N/A	N/A	456,000	4,195,410
TYRONE MDWCA	GRANT	\$42.00	\$42.00	20	5	N/A	N/A	N/A	N/A	179,000	2,409,300
UPPER LA PLATA WATER USERS ASSOC.	SAN JUAN	\$48.70	\$48.70	744	10	N/A	N/A	N/A	N/A	N/A	N/A
VILLANUEVA MDWCA	SAN MIGUEL	\$42.53	\$42.53	105	5	N/A	N/A	N/A	N/A	391,912	2,869,616
WHITE CLIFFS MDWUA	MCKINLEY	\$34.00	\$34.00	68	1	\$28.00	\$28.00	70	1	N/A	N/A
WINTERHAVEN MDWC AND SWA	DONA ANA	\$35.00	N/A	52	N/A	\$40.00	N/A	60	N/A	634,128	5,039,155
YAH TA HEY W & SD	MCKINLEY	\$15.40	N/A	127	N/A	\$15.00	N/A	127	N/A	690,737	7,666,278
Average		\$44.37	\$49.22	327	17	\$30.30	\$30.80	287	8	3,808,429	31,753,946
Minimum		\$10.00	\$8.00	15	0	\$15.00	\$16.04	60	1	18,750	168,450
Maximum		\$560.00	\$155.00	5,178	61	\$44.12	\$44.12	350	20	71,436,774	603,687,557
Median		\$35.00	\$42.27	93	4	\$28.00	\$28.00	172	6	456,300	4,966,504

TYPICAL SEWER SERVICE



MULTI-DWELLING SEWER SERVICE

