

Blue Bell Broken Arrow Waste Water Pre-Treatment Plant Broken Arrow, OK

Job Status Report August 2018



**BRASFIELD
&
GORRIE**
GENERAL CONTRACTORS

3021 7th Avenue South • Birmingham, Alabama 35233
205.328.4000 • Fax 205.251.1304
www.brasfieldgorrie.com

PROJECT SUMMARY

Blue Bell Creameries, Gresham Smith and Partners, and Brasfield & Gorrie have teamed up to design and construct a 10,943 square foot facility capable of pre-treating the existing Blue Bell facility's production waste before entering the municipal sewer system. This facility will house a Waste Water Pre-Treatment system designed and provided by World Water Works, Incorporated. The treatment package will apply the following treatment services;

- Side Hill Screen (SHS): Allows for easy removal of solids from the incoming waste water.
- Equalization (EQ) Tank: This 157,100-gallon tank will allow for the normalization and control of flow coming into the waste water system.
- Dissolved Air Flotation (DAF): Removes suspended solids, fats, oils and grease from the wastewater flow. This is achieved by introducing micro-air-bubbles that cause the suspended materials to float to the surface allowing liquid/solids separation.

The process equipment from World Water Works is scheduled to begin arriving on the jobsite in mid to late September. Upon equipment arrival, Brasfield & Gorrie will begin the installation process. Based on the current schedule, it is projected that the Waste Water Pre-Treatment System will be online starting **March 13, 2019**.

PROJECT COSTS

The current construction amount for the Blue Bell Waste Water Pre-Treatment Plant facility is \$6,919,603. Of that contract amount, \$1,150,184 is designated to the process equipment that will be treating the existing Blue Bell facility wastewater.

SCHEDULE

The final-completion date for the project is currently scheduled for **March 19, 2019**. The critical path for the entire project currently runs through the completion of the concrete foundation work, the EQ Tank construction, and the Erection of the Pre-Engineered Metal Building. Also, to help expedite the schedule, the process equipment was released prior to the start of construction to ensure availability for delivery as needed.

Completed/Ongoing activities:

1. Put erosion control and BMP into place.
2. Grade and excavate land to required elevations to begin concrete work.
3. Identify and relocate existing 6" sanitary sewer line that was incorrectly run through Blue Bell's property instead of a designated easement around the property. This was a 5-day schedule impact.
4. Deep spread footings and continuous footings on the north side of building have been installed.
5. All drilled concrete piers have been put into place (23 total).
6. Completed tank pad construction for the 157,100-gallon EQ Tank.
7. All shallow spread footings and pilasters have been put into place.
8. The ground has been brought up to the proper subgrade elevation using 30" of select fill.
9. In and under electrical and plumbing began the week of August 06, 2018.
10. Currently forming and placing slab on grade rebar in place.

Upcoming activities:

1. Pour concrete slab on grade.
2. Erect EQ Tank.
3. Erect Pre-Engineered Metal Building.
4. Set treatment area precast wet well/influent pump station.
5. Install influent pumps and piping.
6. Install World Water Works Equipment.

Enclosed is the updated Overall Project Schedule as of August 13, 2018.



**Blue Bell Broken Arrow WWTP
JOB STATUS REPORT
AUGUST 2018**

Attachments

Attachment A: Progress Photos

Attachment B: Profile of unidentified 6" Sanitary Sewer line through Blue Bell's property.

Attachment C: Current Overall Project Schedule

June 2018 – Monthly Progress Photos

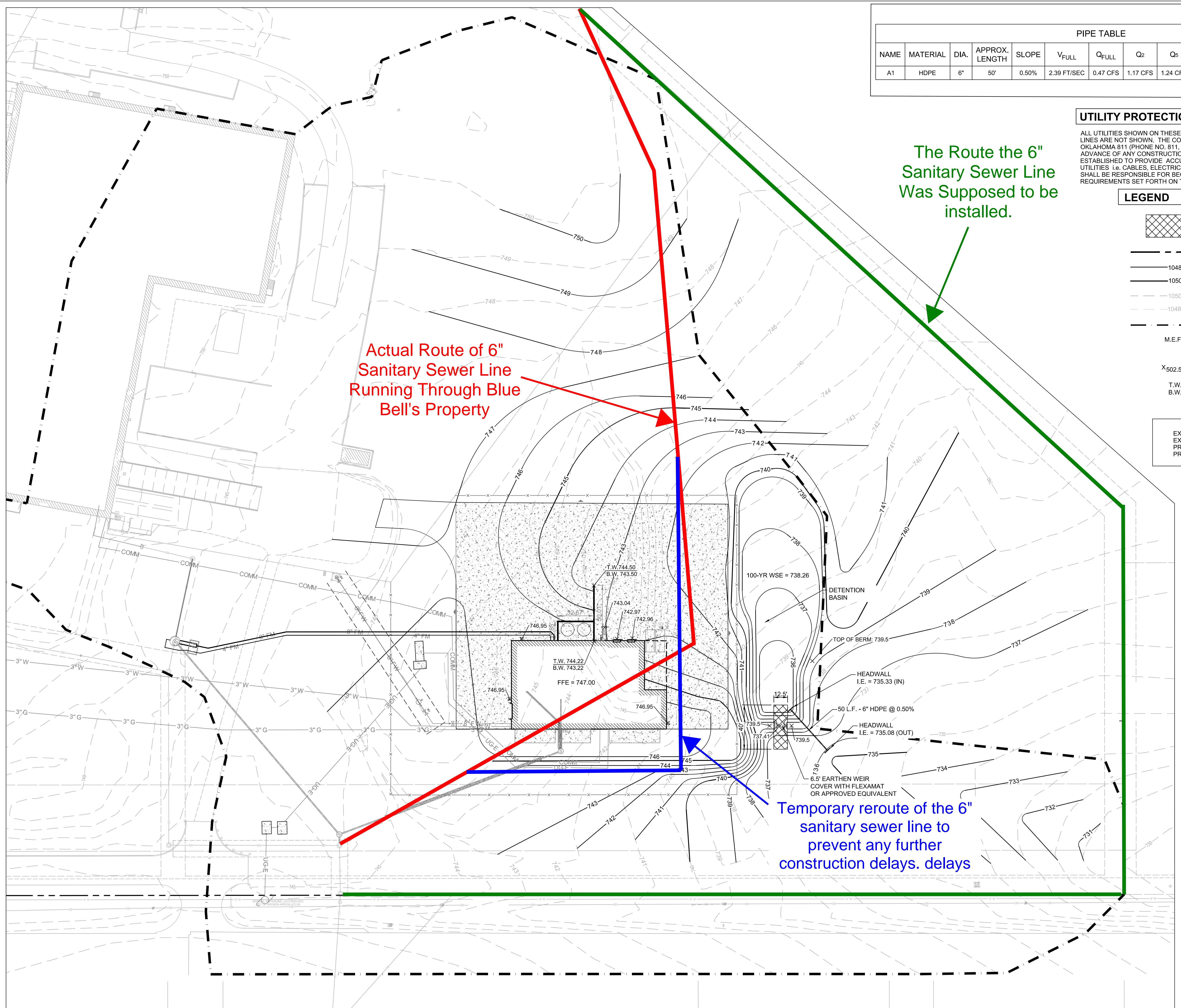


July 2018 – Monthly Progress Photos



August 2018 – Monthly Progress Photos





Activity ID	Activity Name	Orig Dur	Activity % Complete	Start	Finish						2018												2019					
						Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
	BLUE BELL WWTP - Broken Arrow, OK Construction Schedule FOR BA					06-Oct-17 A																						▼ 19-Mar-19
	MILESTONE & CONTRACT DATES					06-Oct-17 A																						▼ 19-Mar-19
D1040	Contractor Under Contract	0	100%	08-Dec-17 A							08-Dec-17 A	◆																
D1050	Design	1	100%	06-Oct-17 A	30-Mar-18 A	06-Oct-17 A																						
D1060	Permitting	30	100%	08-Jan-18 A	17-May-18 A						08-Jan-18 A																	
D1070	6" Sanitary Sewer Line Delay	5	100%	21-May-18 A	25-May-18 A																							
D1020	Waste Treatment Process Online	25	0%	07-Feb-19	13-Mar-19																							
D1080	Construction	204	26.47%	28-May-18 A	18-Mar-19																						18-Mar-19	
D1030	Final Completion	0	0%		19-Mar-19																						◆ 19-Mar-19	

Date	Revision	Checked	Approved

BLUE BELL WWTP - Broken Arrow, OK Construction Schedule
*Remaining Project Schedule

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