

2/6/2020

To: Mayor and City Council members

Project to retroactively bring water main looping to existing neighborhoods well underway and going well, to be completed April 2020.

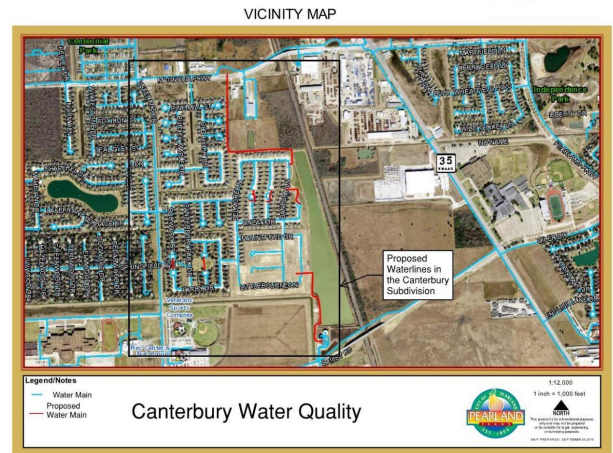
Construction pictures included herein. Clay



Canterbury Water Quality

Scope: As the City has developed, there are areas where dead end waterlines have been identified that need to be extended looped/connected to other water system mainlines. The areas are also being confirmed by the City's water system model. The connections will assist in enhancing water quality and maintenance in the system by removing these areas and increasing looping and redundancy within the Canterbury Park neighborhood.

Justification: As the water system continues to grow, opportunities are developed to continue the extension of water lines to connect and loop existing dead-end lines. By extending water lines to connect to other parts of the system and removing dead end lines this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and also reduce system water loss.



Construction Manager: Jaime Dino

Designer: ARKK Engineers

Contractor: Android Construction Services

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
System Revenue - Cash		1,000,000		1,000,000
Certificates of Obligation Bonds				-
Certificates of Obligation				-
General Obligation Bonds				-
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		1,000,000	-	1,000,000

Expenditures	To Date	Future	Total
PER			-
Land	17,700		17,700
Design	51,070		51,070
Construction	527,955	11,000	538,955
Construction Management/Inspection			-
Construction Materials Testing	15,825		15,825
FF&E			-
Total Expenditures	612,550	11,000	623,550

Project Balance/Contingency	376,450
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Schedule Info:

	Base Line	Current
Design Start	December-18	December-18
Bid Start	April-19	July-19
Construction Start	November-19	December-19
Proposed Construction Completion	April-20	

Rain Days: 4

Highlights:

The Notice to Proceed (NTP) for this construction project was issued for December 09, 2019. Since the NTP, the contractor has completed the following:

- Submitted all construction and material submittals for review and have been approved by the City's consultant.
- City Staff notified the residents of Canterbury Park Subdivision along with the Homeowner's Association, (HOA), KB Homes, of the upcoming construction activity.
- Contractor mobilized on site including securing a material storage/ laydown yard.
- Constructed and installed approximately 4,000 LF of 8" PVC water line that runs north and south along the eastern border of the Canterbury Park Subdivision. This segment of water line connects to the existing 12" water line located off of Magnolia Parkway and runs south, connecting to the existing 16" water line at the Bailey Road Water Treatment Plant.
- Installed the proposed 8"x 12" Tapping Sleeve Valve (TSV) located off of Magnolia Parkway and have completed the bore under Magnolia Parkway.
- Installed the proposed 16"x 8" TSV located near the Bailey Road Water Treatment Plant.
- City Staff administered hydrostatic testing on the recently installed 8" water line and achieved passing results. Bacteria tests are currently being scheduled by Project's Staff and Public Work's Water Staff to take place in the upcoming weeks for the segments of water lines that have already passed hydrostatic testing. Once Bacteria Testing has been completed and approved, the water line will then be activated and placed in service.

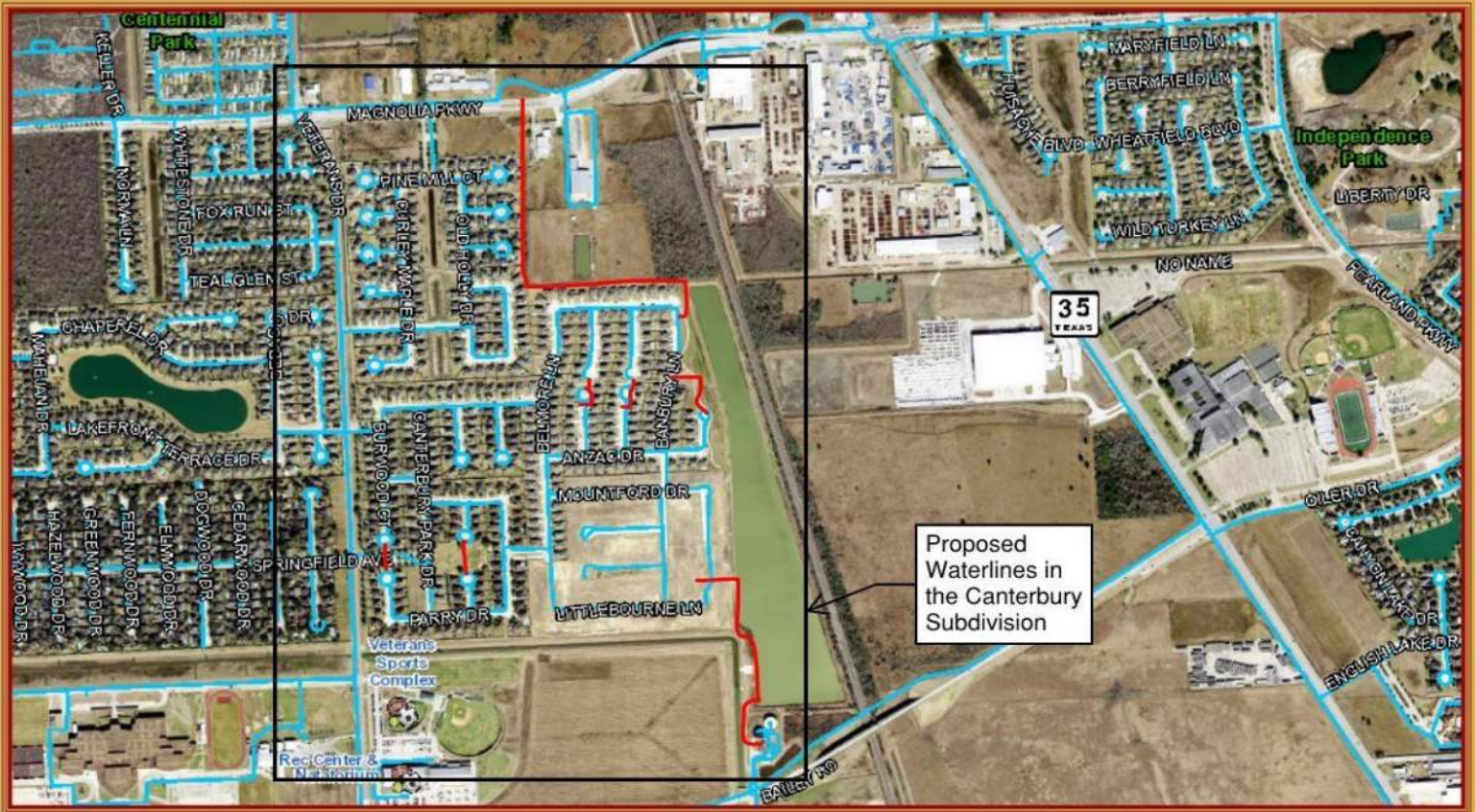
Upcoming Work Items:

- Contractor is currently on-time with construction progress and is anticipating being complete by the first week of April 2020, barring weather delays.
- In the upcoming weeks, the contractor anticipates starting the construction of the 6" water line. This work directly pertains with interconnecting the following cul-de-sacs's existing water lines with the proposed 6" water line.
 - Anzac Meadow Ct. to Saxton Green Road.
 - Alston Place to Pentland Downs St.
 - Parry Fields Ct. to Burwood Ct.
 - Parry Ct. to Whitlam Ct.

Previous Memos: 09/20/19

Project Location Map:

VICINITY MAP



Proposed Waterlines in the Canterbury Subdivision

Legend/Notes

- Water Main
- Proposed Water Main

Canterbury Water Quality



1:12,000
1 inch = 1,000 feet



NORTH
This product is for informational purposes only and may not be prepared or suitable for legal, engineering, or surveying purposes.

MAP PREPARED: SEPTEMBER 25, 2019



Boring rig on site.



Test pilot bore – prior to pushing steel casing through.



Steel casing for the bore under Magnolia Parkway.



Welder in the trench welding segments of casing as it gets pushed through the bore hole.



8" PVC water line being pushed in through the steel casing.



8" PVC water line complete in place through steel casing.



12" x 8" tapping sleeve and valve (TSV) located off of Magnolia Parkway.



16" x 8" Wet connection located near the Bailey Road Water Treatment Plant.