

10 August 2020

To: Mayor and City Council members

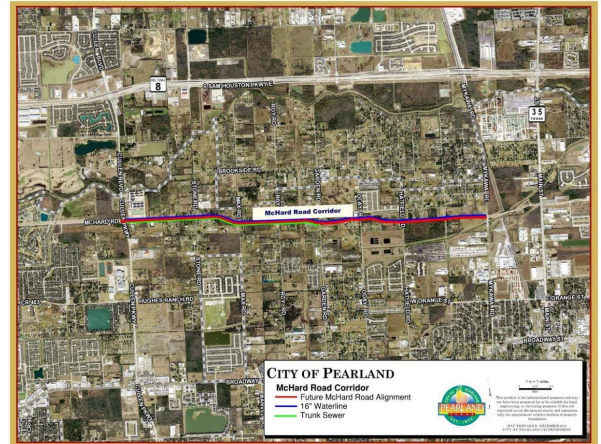
Both the McHard Road water and sewer work have been substantially completed, well within budget again. Closing out the punch list as the road work now follows. Clay



McHard Road Trunk Sewer (Garden to Southdown)

McHard Road Waterline Ph II (Cullen Pkwy to Mykawa Rd)

Scope: (Trunk Sewer) Install along McHard Rd, approximately 4,500 feet of 24" trunk sewer from Cullen to Southdown Wastewater Reclamation Facility (completed by Developer Agreement with Lake Park Subdivision); **Phase 2** includes 5,800 feet of 18" trunk sewer from Cullen to Max Road; and approximately 4,000 LF of 15" trunk sewer from Max Road to Garden Road. **(Phase 2 Waterline)** Phase II of the distribution line extends from Cullen Parkway to Mykawa Road a total of approximately 17,500 linear feet. This portion of the project is timed to coincide with Right of Way approval and acquisition for the McHard Road project.



Justification: (Trunk Sewer) This project will provide gravity sewer from Southdown WRF to Garden Road with limited extensions north and south along Max Road, Roy Road and Garden Road as detailed in the wastewater master plan. Extends Southdown service area to the east, picking up areas not currently served by City system. **(Phase 2 Water Line)** This will be the second segment completing the transmission connection between the east and west sides of the City. It will allow for more efficient water flow, better fire protection and the movement of water from the expanded Alice Street Water Plant.

Construction Manager: Ronnie Hart

Designer: Freese and Nichols, Inc

Contractor: Reddico Construction Co., Inc

Budget Info:

McHard Trunk Sewer:

Funding Sources	Series	To Date	Future	Total Budget
System Revenue - Cash		618,390		618,390
W/S Revenue Bonds	2014	225,745		225,745
W/S Revenue Bonds	2016A	558,500		558,500
W/S Revenue Bonds	2017C	1,164,750		1,164,750
W/S Revenue Bonds				-
Impact Fee - Debt	2016A	558,500		558,500
Impact Fee - Debt	2017C	1,164,750		1,164,750
Impact Fee - Debt				-
Other Funding Sources		809,365		809,365
Total Funding Sources		5,100,000	-	5,100,000

Expenditures	To Date	Future	Total
PER			-

Land	92,097		92,097
Design	220,480		220,480
Construction	4,066,520		4,066,520
Construction Management/Inspection			-
Construction Materials Testing	73,520		73,520
FF&E			-
Total Expenditures	4,452,617	-	4,452,617

Project Balance/Contingency	647,383
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McHard Waterline:

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation				-
Certificates of Obligation				-
W/S Revenue Bonds				-
W/S Revenue Bonds	2017C	1,468,240		1,468,240
System Fund - Cash				-
Impact Fee - Cash				-
Impact Fee - Debt	2017C	1,368,240		1,368,240
Other Funding Sources		99,520		99,520
Total Funding Sources		2,936,000	-	2,936,000

Expenditures	To Date	Future	Total
PER			-
Land			-
Design	115,346		115,346
Construction	2,327,341		2,327,341
Construction Management/Inspection			-
Construction Materials Testing	55,235		55,235
FF&E			-
Total Expenditures	2,497,922	-	2,497,922

Project Balance/Contingency	438,078
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Schedule Info:

	Base Line	Current
Design Start	February-17	April-17
Bid Start	December-17	April-19
Construction Start	July-19	August-19
Construction Completion	August-20	July-20

Rain Days: 21

Highlights:

Since the last project update the contractor, Reddico Construction Co, has achieved Substantial Completion on Phase 2 of both the Water Line and Trunk Sewer and is prosecuting the punch list items:

General

- Substantial Completion was achieved on July 1, 2020.
- All structures in the roadway alignment have been removed from the project limits.
- Clean up and site restoration complete, and ready for the next phase to build the road.
- **The project finished one month ahead of schedule.**
- The early finish for the project now allows for the construction of the roadway to start on-time.
- **Waterline Phase II was under budget and the Trunk Sewer came in right at budget.**

Trunk Sewer

- Completed the line (pressure) & manhole (vacuum) testing of the trunk sewer.
- Completed all mandrel testing of the sewer lines.

Phase 2 Water line

- Completed testing all of the 16" water line through the McHard Corridor.
- Areas that were to be bored because of the protected wetlands are completed.
- 12-inch waterline off-sets, to address conflicts at side street intersections, are all complete.
- The lab results for waterline bacteriological testing (BacT's) have all passed.

Upcoming Work Items:

General

- Replace asphalt on Garden Rd. into neighborhood.

Phase 2 Water Line

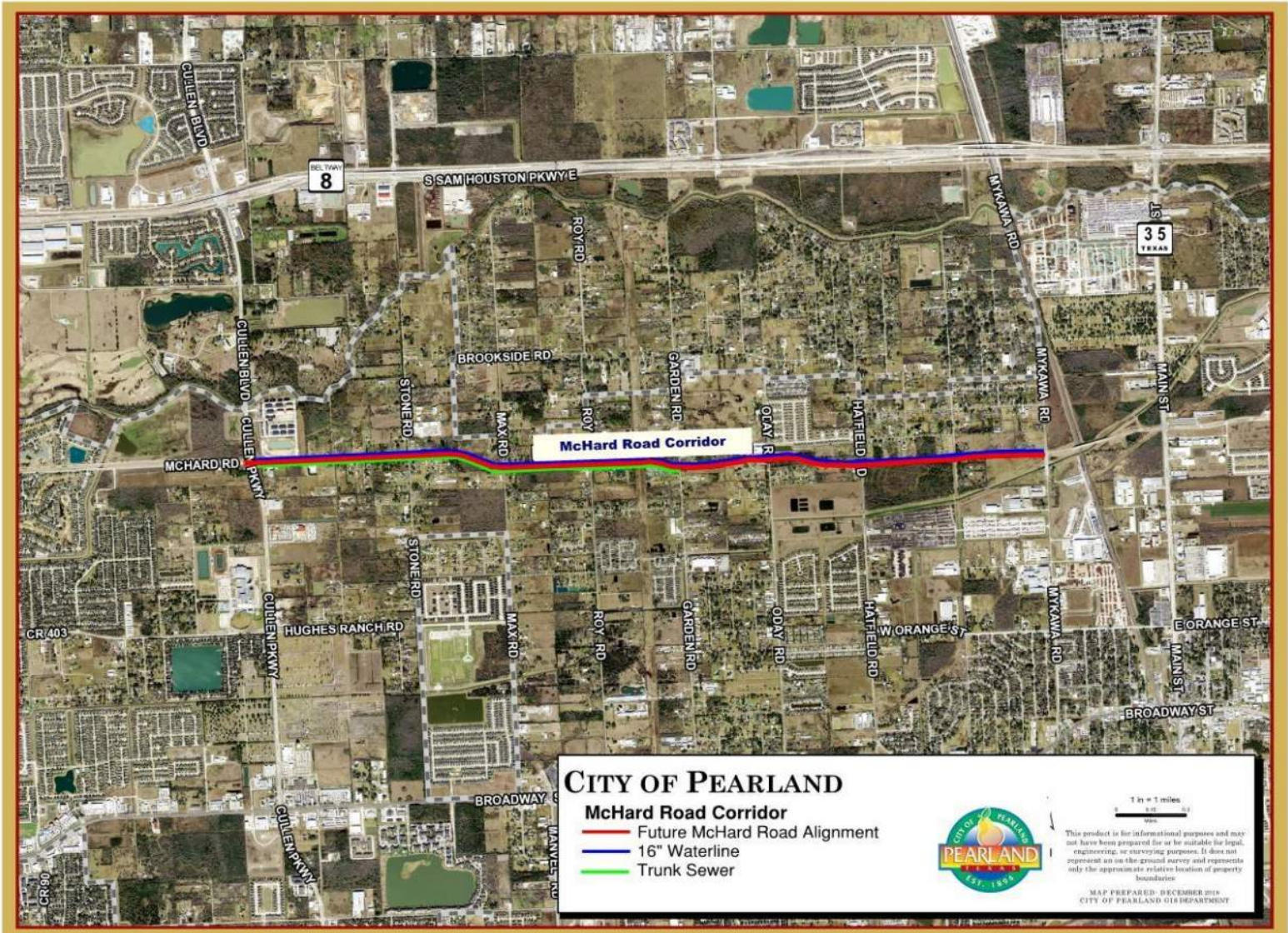
- Water line, fire hydrants, and manholes will be inspected by COP PW department on Aug. 4

Trunk Sewer

- All lines are complete and ready for final inspection and acceptance.

Previous Memos: 06/06/19; 11/27/19, 01/30/20, 5/21/2020

Project Location Map:





Installing water line off-sets.



Water line work



Installing waterline offset using sump pumps to remove water in the excavation



Hauling debris from site demo



Manhole to grade and exterior grouted.



Water Valves and Air Relief Valves (ARVs) installed



Pipe bollards to protect ARV installation



Well pointing at Stone rd.



Fire Hydrant inspections



Water line Blow-off