



6 January 2021
 To: Mayor and City Council members
 Design plans being finalized for bidding. Clay

Water Quality Program I & II – Oakbrook & Oakbrook Estates

Is It On Budget?		Is It On Schedule?		Community Benefit
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Improved Water Quality
Project Phase?				
Engineering/Design				

Highlights:

- Staff from Distribution & Collection, Water Production, Right-of-Way and Engineering/Projects held a meeting with Design Consultant to clarify intent of the project and identify methodologies for achieving the desired effects in the Oakbrook and Oakbrook Estates subdivisions.
- The factor that lead to having this meeting was the importance of minimizing construction related disturbances, such as multiple water shutdowns/outages to the same residents, and impediments to both pedestrian traffic on sidewalks and automobile traffic to driveways and cul-de-sacs. Originally planned as three phases, the work has been consolidated into a single construction phase.
- Consultant has uploaded their 60% submission for staff to review, which details the improvements on each street and locations of proposed easements. The prospective contractor will be responsible for confirming all utility locations but known utilities are shown throughout. Coordination with utility companies has begun. Review of the 60% submission is underway.
- The start of design for Phase II was delayed, as shown in the current schedule below, because of necessary scope changes resulting from the lack of dedicated easements within the development. Identification of auspicious locations to loop the waterlines and the preparation of the necessary easement exhibits have extended the duration of the design phase.

Budget Info:

Water Quality – OakBrook Phase I

Funding Sources	Series	To Date	Future	Total Budget
System Revenue - Cash		427,000		427,000
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds				-
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		427,000	-	427,000

Expenditures	To Date	Future	Total
PER			-
Land			-
Design	46,250		46,250
Construction		350,600	350,600



Construction Management/Inspection			-
Construction Materials Testing		15,000	15,000
FF&E			-
Total Expenditures	46,250	365,600	411,850

Project Balance/Contingency			15,150
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Water Quality – OakBrook Phase II

Funding Sources	Series	To Date	Future	Total Budget
System Revenue - Cash		837,000		837,000
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds				-
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		837,000	-	837,000

Expenditures	To Date	Future	Total
PER			-
Land		18,500	18,500
Design	99,200		99,200
Construction		669,360	669,360
Construction Management/Inspection			-
Construction Materials Testing		20,000	20,000
FF&E			-
Total Expenditures	99,200	707,860	807,060

Project Balance/Contingency			29,940
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Schedule Info:

	Base Line	Current
<i>Design Start Phase I</i>	July-19	July-19
<i>Design Start Phase II</i>	June-20	September-20
<i>Bid Start</i>	December-20	January-21
Construction Start	March-21	
Proposed Construction Completion	September-21	

Upcoming Work Items:

- Acquisition of Waterline easements from Oakbrook HOA and BCMUD #28 that are needed to loop the system will be finalized and presented to each landowner for review and consideration. Consultant has produced easement exhibits which have been provided to staff for review prior to distribution to the landowners. Staff is planning a public meeting with the subdivision HOA to explain the need for



these easements and get feedback of the process. This is tentatively scheduled for some time in February prior to the start of construction.

- Submittal of 90% construction documents is scheduled for 1/14/21. Staff will review and provide comments to consultant to incorporate into their 100% set.
- A meeting of the Technical Review Committee (TRC) is scheduled for mid-January. This review will result in the Bid set of construction documents. Bid advertisement is planned for January 27, 2021 and will be awarded using the Lowest Responsible Bidder method.

Project Manager: Morgan R Early

Designer: ARKK Engineers

Contractor: N/A

Scope: As part of the city's multi-year program, the project will address water quality issues related to the age of the water in the system. The objective is to improve circulation of water within the Oakbrook subdivision by looping the dead-end water lines where possible with the added benefit of reducing the need to flush water lines, reducing system water loss. Streets included in Phase 1 are: Oak Lane Circle, Oak Cluster Circle, Oak Gate Circle, Oakbrook Circle, Oak Fork Circle, Oak Tree Circle, Oak Shire Drive, Castle Oaks Drive, Barretts Glen Drive, and Oak Lodge Drive. Streets included in Phase 2 are: Oak Bend Drive, Branch Hill Drive, Oak Lodge Drive, Scarlet Oak Drive, Oak Top Drive, East Baden Oaks Drive, Dixie Hill Court, Oak Point Court, Bracket Drive, Oak Leaf Circle, Oak Land Circle, Oak Point Drive, Pin Oak Drive N, Oak Place Court, Oak Trace Court, Oak Chase Court, Oak Bark Court, Majestic Oaks Court, and Winding Forest Drive. Although design was divided into two phases, based on a relative order of priority, the construction will be carried out in a single phase to limit impact to customers as much as possible.

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 waterlines to connect to other parts of the system and removing dead end waterline this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and reduce system water loss.

Previous Memos: 05/31/19, 12/12/19, 08/20/20



Project Location Map:

VICINITY MAP



Oakbrook & Oakbrook Estates

Water Quality - Oakbrook & Oakbrook Estates



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

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

MAP PREPARED: MAY 28, 2019