



WATER PURIFICATION PLANT EXPANSION

# Community Update

February 2020



Central Harris County  
Regional Water Authority

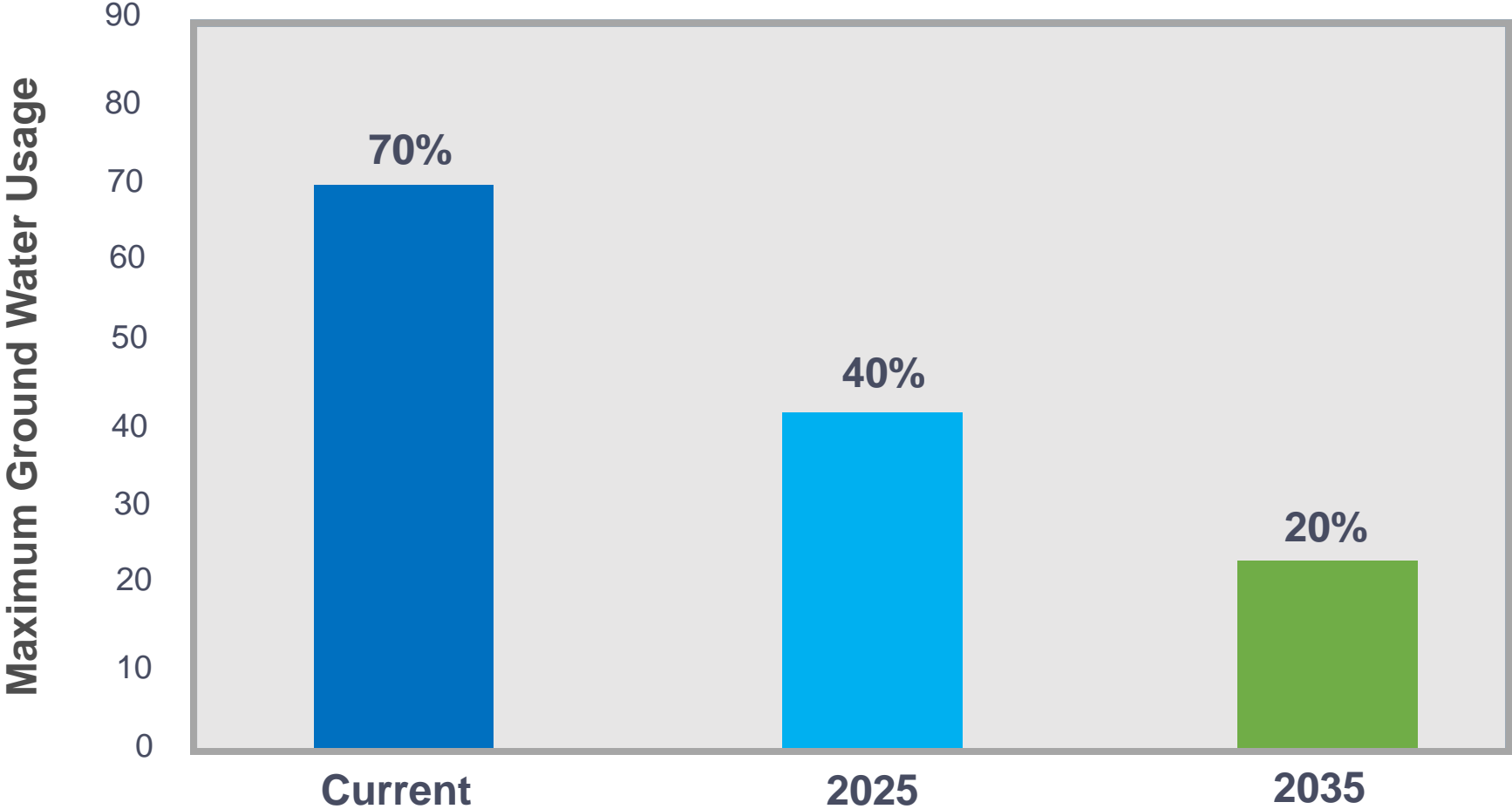


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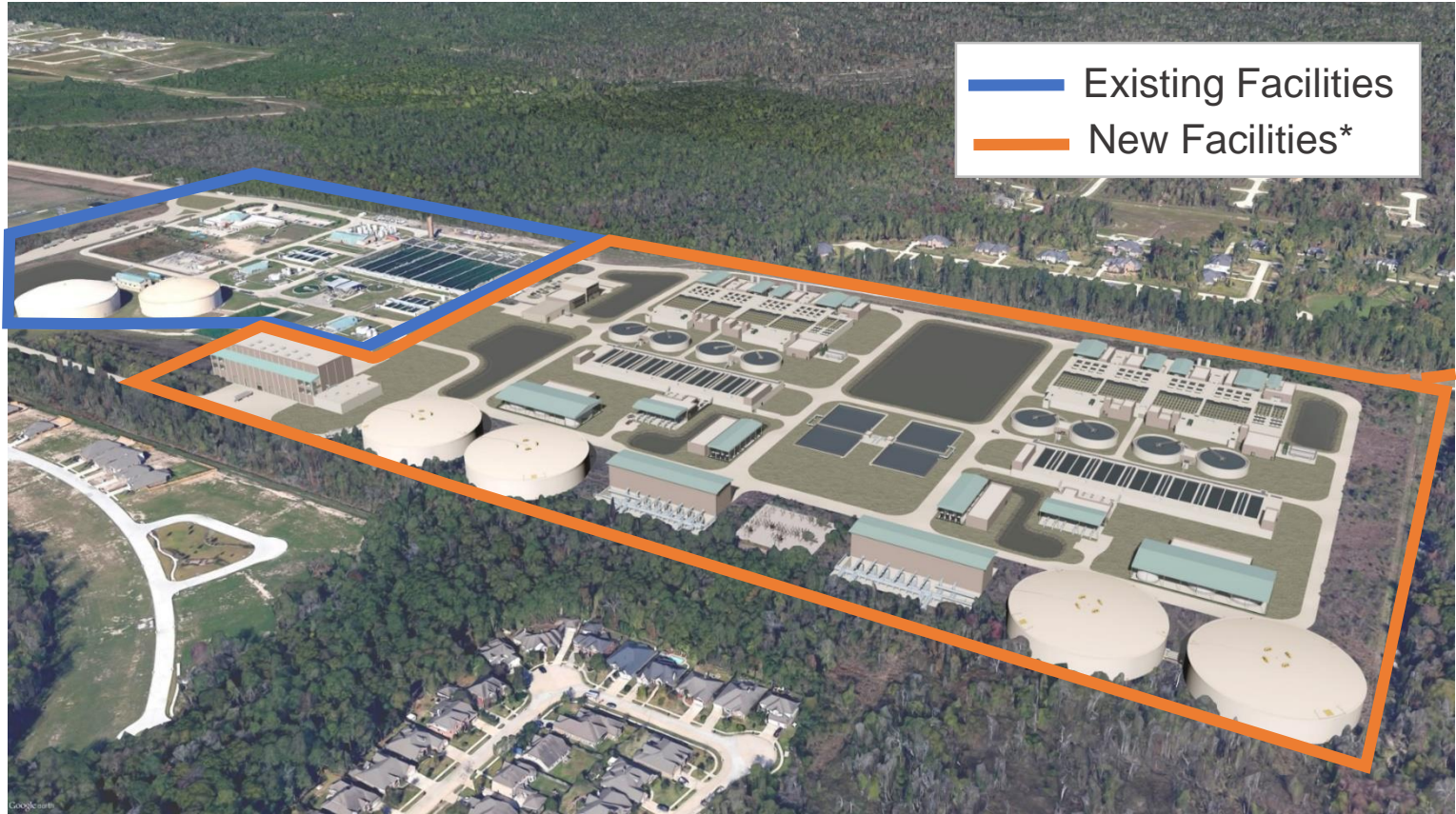
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# Project Background

# Subsidence regulations are a key driver for project

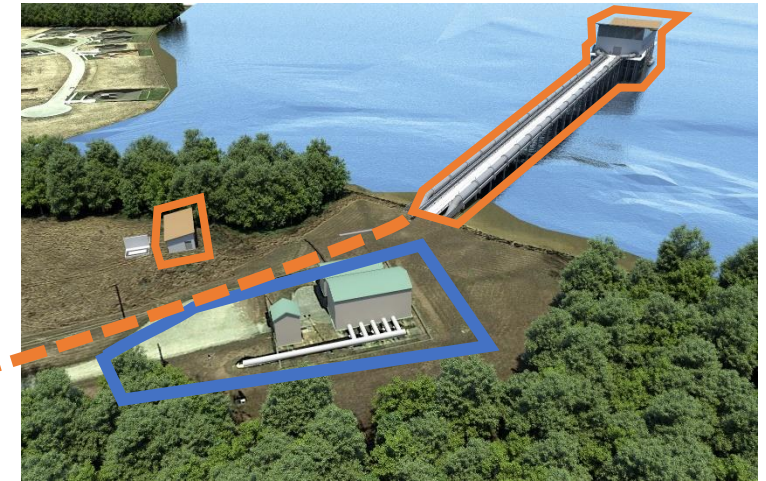


# NORTHEAST WATER PURIFICATION PLANT



## Treatment Facilities

\* new facilities shown are renderings of the completed project

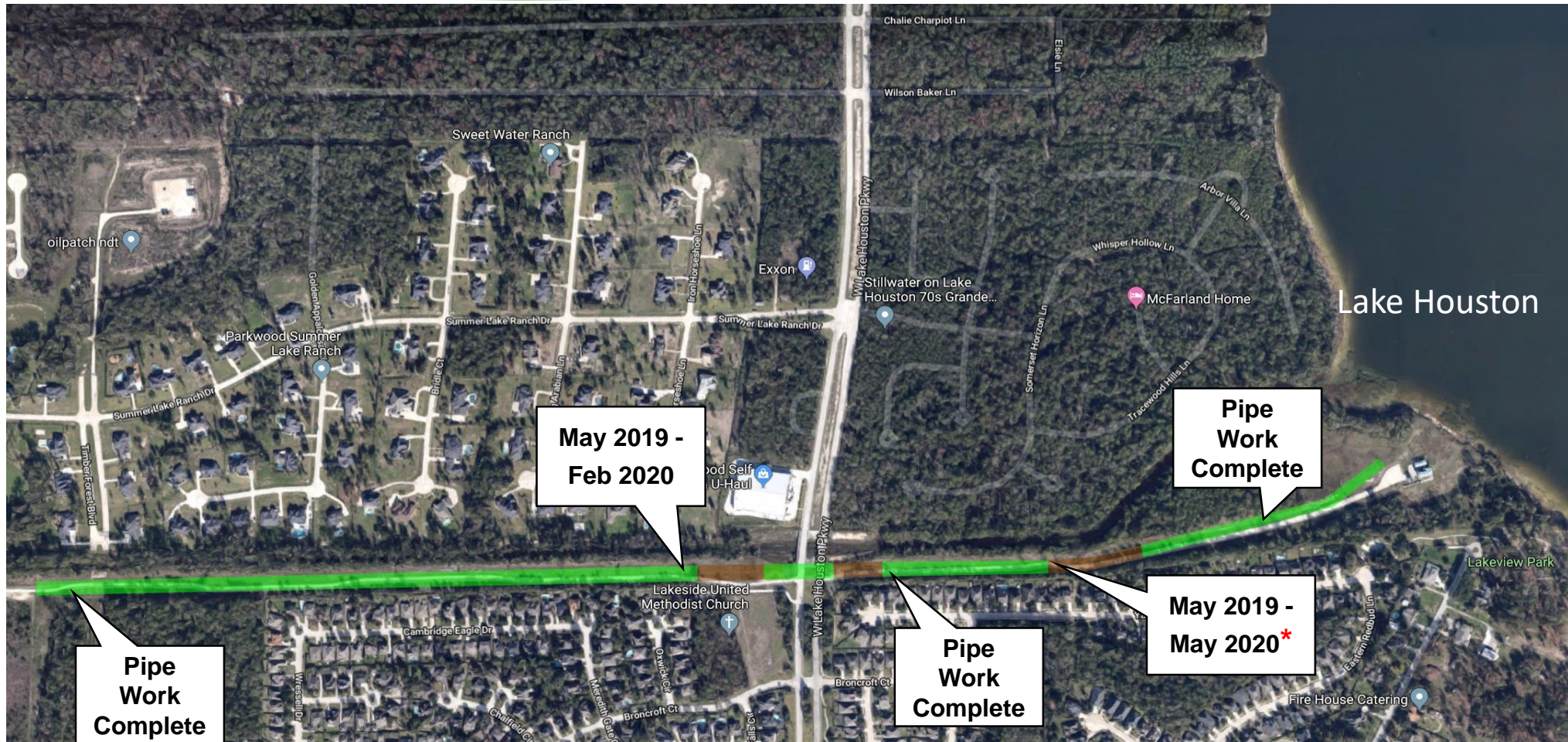


## Intake Pump Station

## Raw Water Pipelines\*

# Progress to Date

# Estimated Pipe Construction Timeline



**\*Previously estimated completion was January 2020. Due to weather and circumstances beyond our control, completion is now estimated to be May 2020.**

# Pipe Installation in the West Corridor





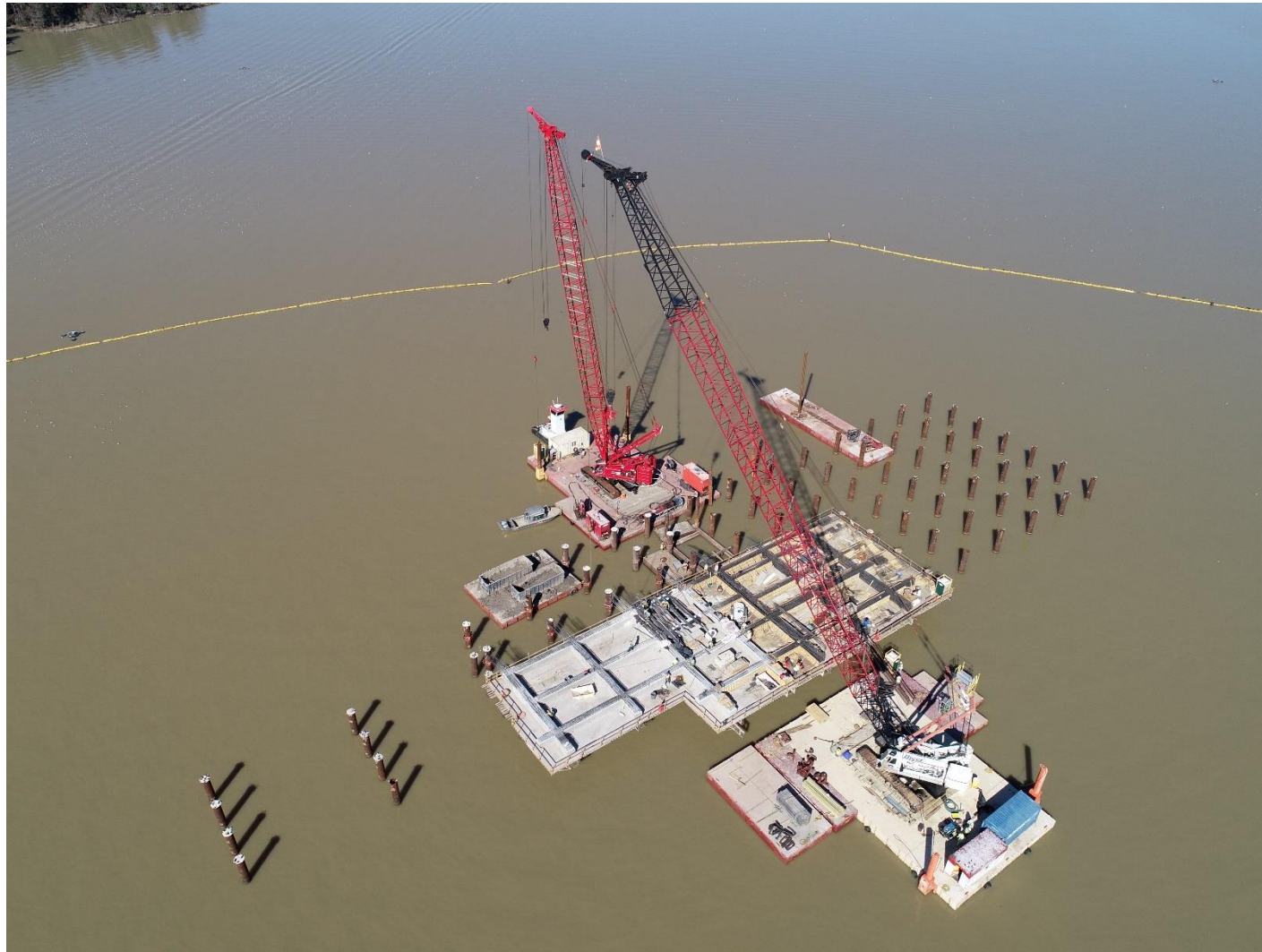
# Pipe Installation in the East Corridor



# Pipeline in Tunnel under Lake Houston Parkway



# Work on Intake Pump Station



# Lake Houston Intake Pump Station



# Lake Houston Intake Pump Station



# Plant Site Construction



# What's Next

# Raw Water Pipeline Installation

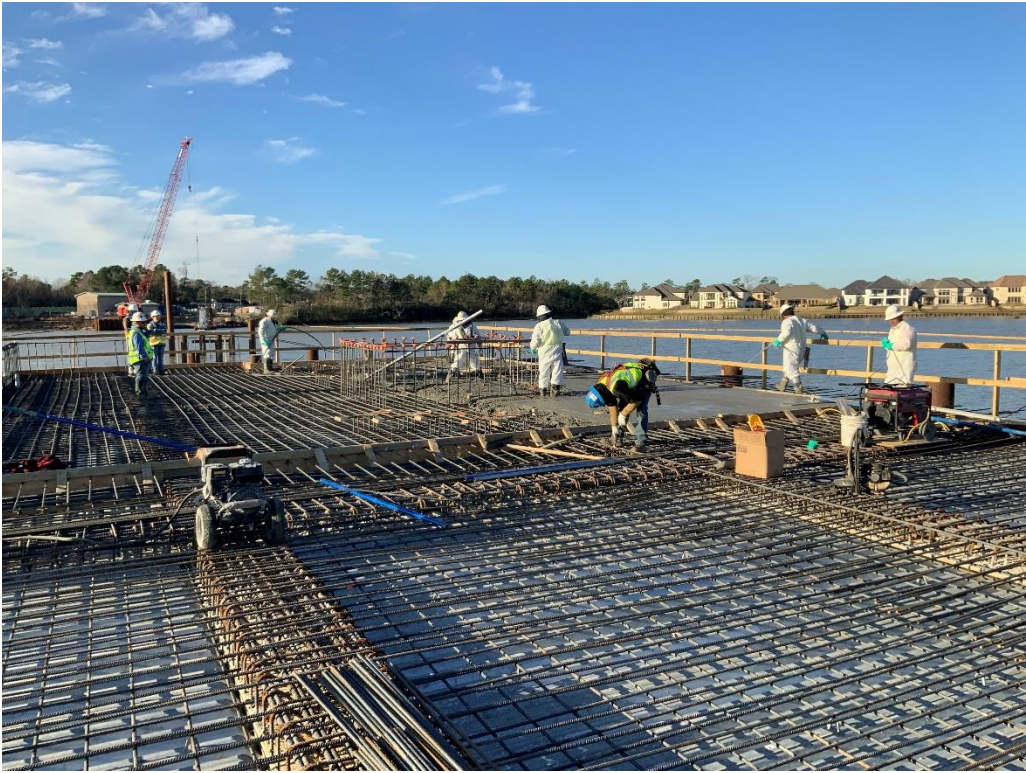




# Raw Water Corridor Utilities



# Lake Houston Intake Pump Station



# Construction at Plant



# Next Steps

WHAT?	WHEN?
Pipeline Installed West to East	March 2018 - May 2020
Intake Pump Station at Lake Houston	February 2019 – 2022
Ductbank Installation and Road Restoration	June 2020 – March 2021
Plant Construction Site	Ongoing – 2025
Beautification (trees, intake pump station)	March 2021 – 2022

# What you can expect during construction

**Traffic on W. Lake Houston Parkway** : delays Monday – Saturday, 9AM – 4PM

**Noise from Intake Pump Station** : hammering sounds as piles are driven into the lakebed, concrete placements

**Noise from Plant Construction** : heavy equipment, traffic, workers, etc.

**Heavy Equipment** : noise, vibration & dust from heavy equipment

**Construction hours** : Monday - Saturday, 7AM – 7PM

# What we have Heard

# Our Good Neighbor Policy

In response to your calls, we have adopted a Good Neighbor Policy which gets reviewed at our weekly meetings. That policy includes addressing your concerns. Our goal is to be good neighbors.

Some concerns from our previous Public Meetings have resulted in these responsive actions:

- No work before 7AM or after 7PM
- Be mindful of how closely we are working to people's homes
- Reduce backing up equipment as much as possible
- No foul language or loud music

# Concerns from Last Public Meeting

## Traffic Impacts at West Lake Houston Parkway

- Increased street cleaning
- Minimizing lane closures post major rain events
- Implemented convoy system
- Reduction in lane closures summer 2020





# Concerns from Last Public Meeting

## Residential Flooding Concerns

- Finalizing permanent drainage improvements
- Pre/post rain event inspections
- Verified field conditions for positive drainage
- Continued maintenance of ditches and culverts
- Investigated all reports of flooding

NORTHEAST WATER PURIFICATION PLANT EXPANSION PROJECT

HWT SW3P MAINTENANCE READINESS CHECKLIST FOR STORM EVENT

Client: EDH - Houston TX Date: \_\_\_\_\_ Subcontractor: \_\_\_\_\_  
 Project Name: NE Water Purification Plant Expansion Location: \_\_\_\_\_ WBS No.: \_\_\_\_\_

Name	Y	N	Revision/Inspector		HWT SW3P Inspector		Comments
			Checked	Initial	Checked	Date	
<b>PRELIMINARY</b>							
Subcontractor Permit							
Storm Pump							
Storm Pump							
Discharge piping							
Pipes and Connections							
Storm Well							
Exchange Inlets/Outlets							
Pump Panels/Controls							
Light Panels							
<b>INSTALLATION</b>							
Wiring and Tests							
Accessories							
Final							
Inspection Checks							
<b>OPERATION PREPARATION</b>							
Signage Station							
On-site set for drain points							
Excision Control							
Temporary Closures							
<b>Risk Management Practices</b>							
4.1 Stormwater Flow							Obtain, Review, Sign to Drain, Allow to surface, Notify
4.2 Stormwater Overflow							Filter Silt/Debris, Tree Silt
4.3 Trapping Sediment in Channel Area or Ponds							Sediment Traps, Sandbag Barriers, Staged Concrete Barrier
4.4 Permanent Drainage Stop							Block, Seal, Waterway
4.5 Protection Issues							Water protection barriers
4.6 Trapping Sediment							Sediment Traps, Sandbagging Site
4.7 Preventing Tracking							Stable access mat, contingency access means
4.8 Spill Control							Temporary Vehicle Equipment Fueling Area
<b>Contingency Plans</b>							
Surging Call in							
Alternate Discharge Location							
House Equipment and Generator Installation							
Rain Event	DATE	TEMP	TIME	Est. Rainfall	Actual Rainfall	Est. Duration	Other Conditions
Prepared by Subcontractor	Date: _____			Reviewed by HWT SW3P Inspector: _____ Date: _____			
Reviewed by HWT Superintendent	Date: _____			Acknowledged by HWT Quality Inspector: _____ Date: _____			

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# Concerns from Last Public Meeting

## West Corridor Completion

- February 2020 - complete pipe installation
- Summer 2020 - complete site restoration
- February 2020 - removal of construction generators after permanent power installation



# Just in case.....

- If you are concerned about the proximity of the construction to your home please take photos before and after construction so you can show any damage that you may think was caused by the contractors working in your area.

# Contact us

**GreaterHoustonWater.com**  
**281-520-3777**

**[newppexpansion@gmail.com](mailto:newppexpansion@gmail.com)**

Please contact us at this email and phone number for faster response

Public meetings will be held each quarter.  
If you would like a tour of the site please contact us.