



P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

DETERMINATION OF NO EFFECT

TO ALL POTENTIALLY INTERESTED AGENCIES:

Pursuant to the environmental assessment requirements of 31 Texas Administrative Code (TAC) § 363.14, the Texas Water Development Board (TWDB) has determined that proposed action identified below may be exempted from formal environmental review requirements:

Harris County Municipal Utility District No. 215, Harris County, Texas
TWDB DFUND Project No. 21868
Wastewater Treatment Plant Improvement Project
Total Financing Amount: \$7,345,000
Loan No. L1002092

Harris County Municipal Utility District No. 215 (District) is a joint participant in the existing Harris County Municipal Utility District No. 200 wastewater treatment plant (WWTP). The existing WWTP was constructed in 1980 and many of the existing components are nearing, or have exceeded, their expected useful lives. The existing main process includes large Rotating Biological Contactor (RBC) units that are in poor condition and are no longer serviceable because of their obsolete technology.

The District is proposing to use \$7,345,000 in financing from the Water Development Fund (DFUND) Program to construct new treatment process units and rehabilitate the existing facilities. Proposed rehabilitations consist of the actions listed below:

- Construction of four (4) Sequencing Batch Reactor (SBR) treatment units to replace the existing RBC units and the existing clarifiers;
- Construction of a new clarified effluent pump station to transfer clarified flow from the SBRs to the disinfection units;
- Construction of a new blower building and installation of five new rotary lobe positive displacement blowers to replace existing facilities;
- Construction of new disinfection, dichlorination and flow measurement treatment units and equipment to replace existing facilities;
- Construction of a new non-potable water pump system and post-aeration blowers to replace existing facilities;
- Construction of a new chemical building to house liquid chlorine tanks and feed equipment and liquid de-chlorination tanks and feed equipment, including relocation of some existing equipment;

Our Mission

Leading the state's efforts
in ensuring a secure
water future for Texas

Board Members

L'Oreal Stepney, P.E., Chairwoman | W. Brady Franks, Board Member | Ashley Morgan, Board Member
Bryan McMath, Executive Administrator

Determination of No Effect

Harris County Municipal Utility District No. 215, Harris County, Texas

TWDB DFUND Project No. 21868

Wastewater Treatment Plant Improvement Project

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- Construction of a new electrical building to house electrical controls for all new and relocated equipment;
- Demolition of existing RBC treatment units and installation of a new digester blower structure at that location;
- Rehabilitation of existing digester units, including new aeration piping and appurtenances; and
- Installation of a 1.25 megawatt diesel generator, including fuel system, automatic transfer switch and electrical modifications.

All construction will occur within the existing plant site. A Phase I Environmental Site Assessment was performed by Quiddity Engineering, LLC in March 2025. No Recognized Environmental Concerns or water features were observed during the investigation. The wooded area comprising the northern portion of the site is fenced but otherwise undeveloped and is considered forested upland.

There are no previously recorded significant or potentially significant historic or cultural sites within or adjacent to the project footprint, according to the Texas Historical Commission's Archeological Sites Atlas, nor is the project within the protected area surrounding a historic cemetery, structure, or district. The National Wetlands Inventory Dataset does not indicate potential water features within the project area. Additionally, USGS topographic maps indicate that the area is level and lacking drainage patterns typical of areas containing wetlands or streams. An unnamed tributary of Greens Bayou is located adjacent to the south of the project area, which will not be impacted by the proposed project actions. Due to the developed nature of the majority of the site and that of the surrounding area, as well as a lack of impacts to water features, construction within the existing site is not expected to impact threatened or endangered species or habitat. However, the project does appear to be partially within the 500-year and 100-year floodplain, as designated by the Federal Emergency Management Agency (FEMA). Projects involving construction in the 100-year floodplain, including replacement or borings, require a floodplain development permit from the local floodplain administrator prior to construction in the 100-year floodplain.

The TWDB cannot fund testing, remediation, removal, disposal, or related works for contaminated or potentially contaminated materials. However, the project proponent should ensure that, if found, such materials are tested, removed, and disposed of in accordance with applicable state and federal laws.

The decision to grant a Determination of No Effect (DNE) is allowed because the specified project elements should not cause significant adverse impacts to the quality of the environment. Documentation supporting this determination is on file at the TWDB.

This determination shall be revoked if it is found that

- (1) the project no longer meets the requirements for categorical exclusion from full environmental review as a result of changes in the project;

- (2) the project involves extraordinary circumstances as described in 31 TAC § 363.14;
or
- (3) the project may violate or has violated federal, state, local, or tribal laws.

The proposed project must comply with the following special and standard environmental conditions:

Special Environmental Conditions

- Consistent with the Flood Insurance Reform Act of 2004, federal Executive Order 11988 as amended by EO 13690, Texas Water Code Section 16.315, and local floodplain development ordinances, a floodplain development permit will be obtained from the local floodplain administrator prior to construction in, across, or under a Special Flood Hazard Area and TWDB approval of plans and specifications, and any requirements contained therein will be adhered to.

Standard Environmental Conditions

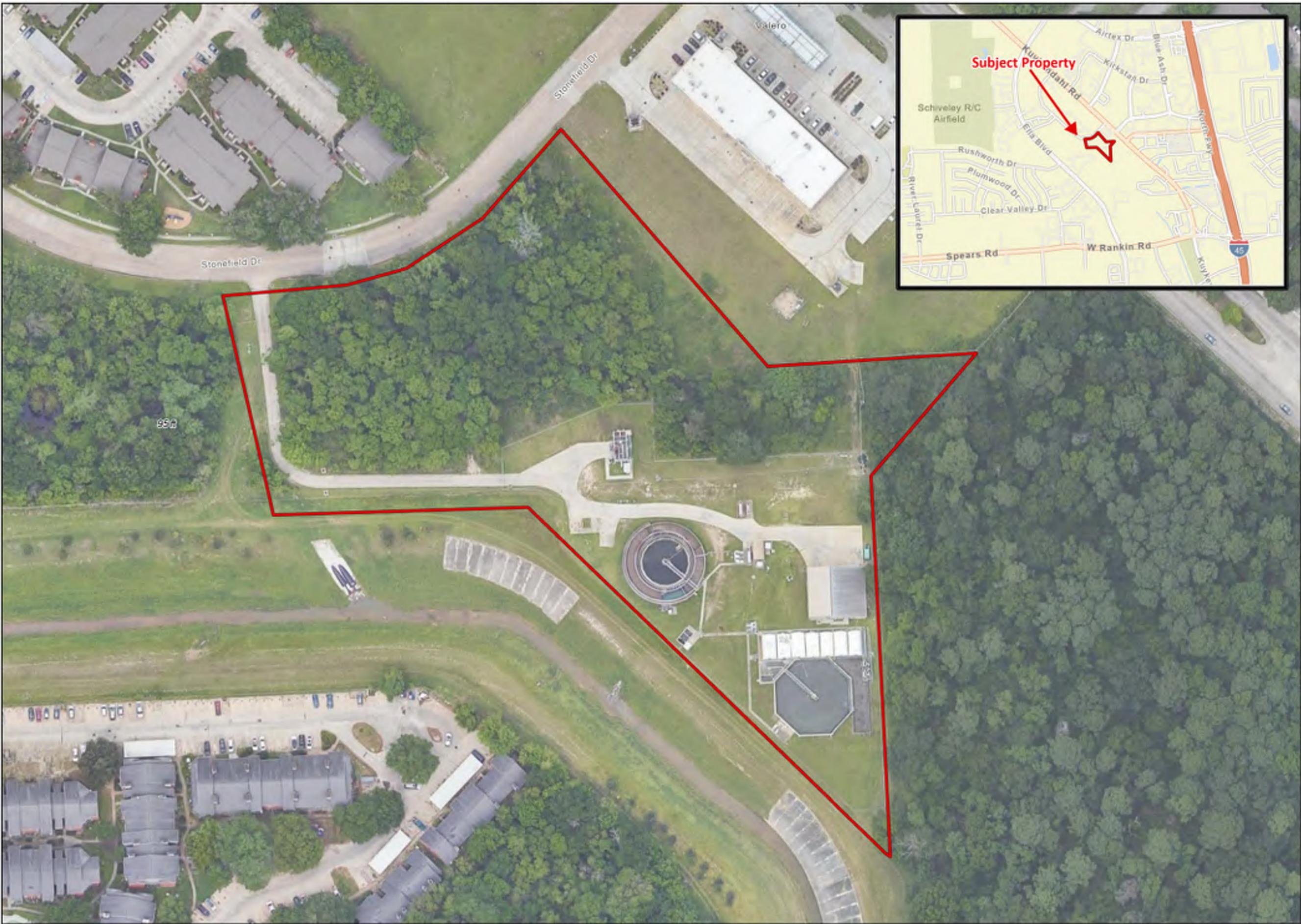
- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0552), the Project will abide by the standard emergency condition for the discovery of cultural resources.
- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0552), the Project will abide by the standard emergency condition for the discovery of threatened and endangered species.

Comments regarding this determination may be submitted to the Director of Regional Water Project Development, Texas Water Development Board, P.O. Box 13231, Austin, Texas 78711-3231 or via email at RWPD-Environmental@twdb.texas.gov.

Sincerely,

T. Clay Schultz, Ph.D., Director
Regional Water Project Development

Enclosures



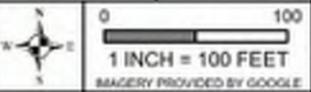
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 Subject Property

Project Location Map

HCMUD 200 WWTW
HARRIS COUNTY, TX

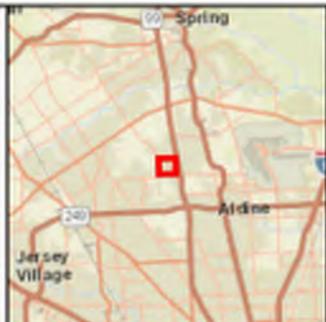
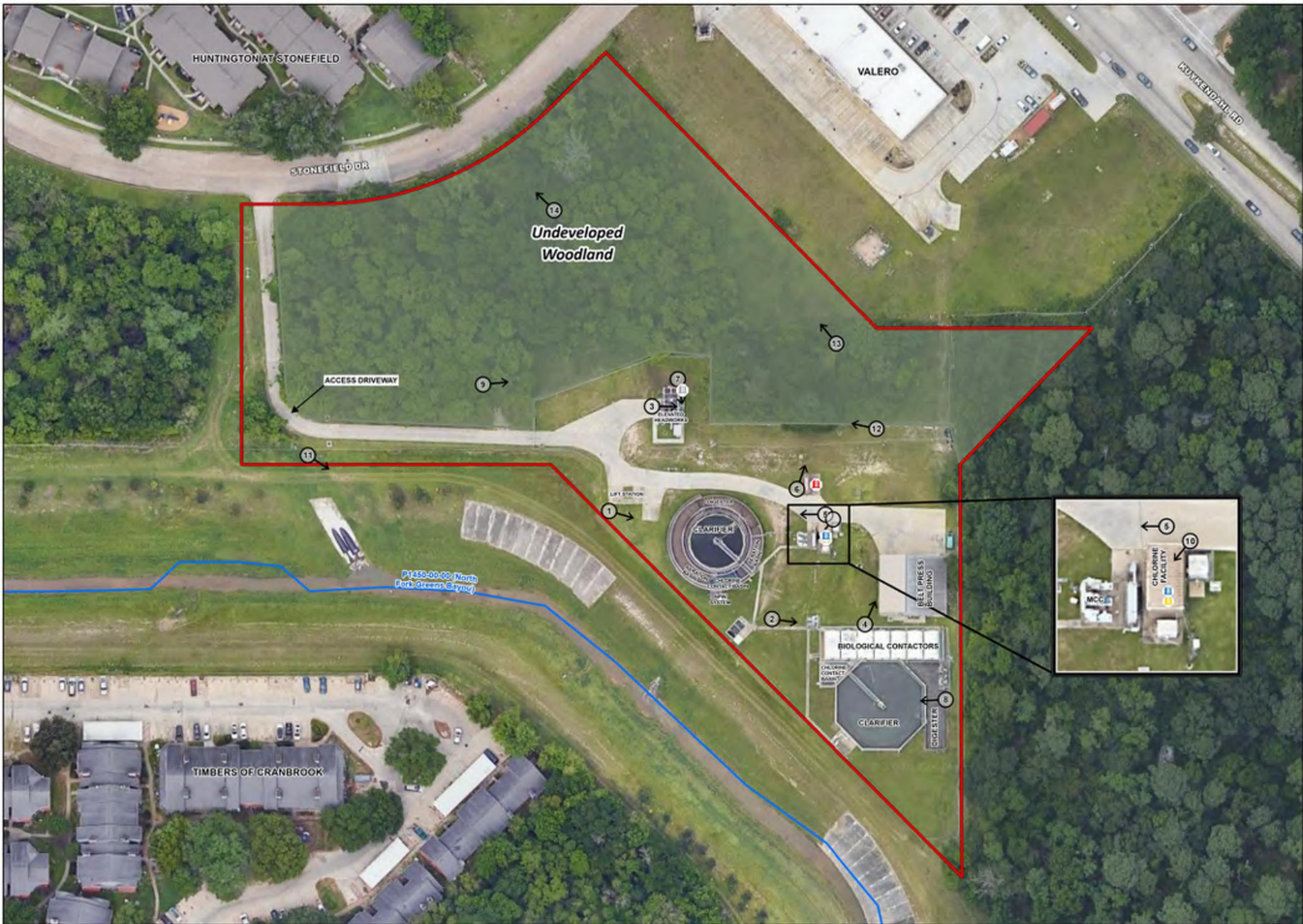
MAR 2025 FIGURE 1



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Date: 3/13/2025
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 User Name: a.m.w.



VICINITY MAP
1 INCH = 10 MILES

Legend

- Photo Location
- Photo Direction
- ☒ Chlorine Tanks
- ☒ Diesel Tank
- ☒ Magnesium Hydroxide Tank
- ☒ Sulfur Dioxide Tanks
- NHD Streams
- Main Land Use
 - Undeveloped Woodland
 - Subject Property

Site Map

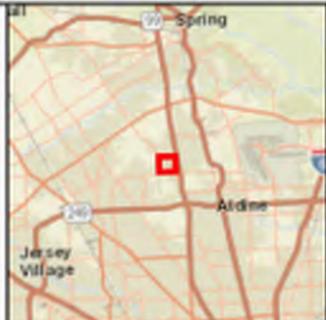
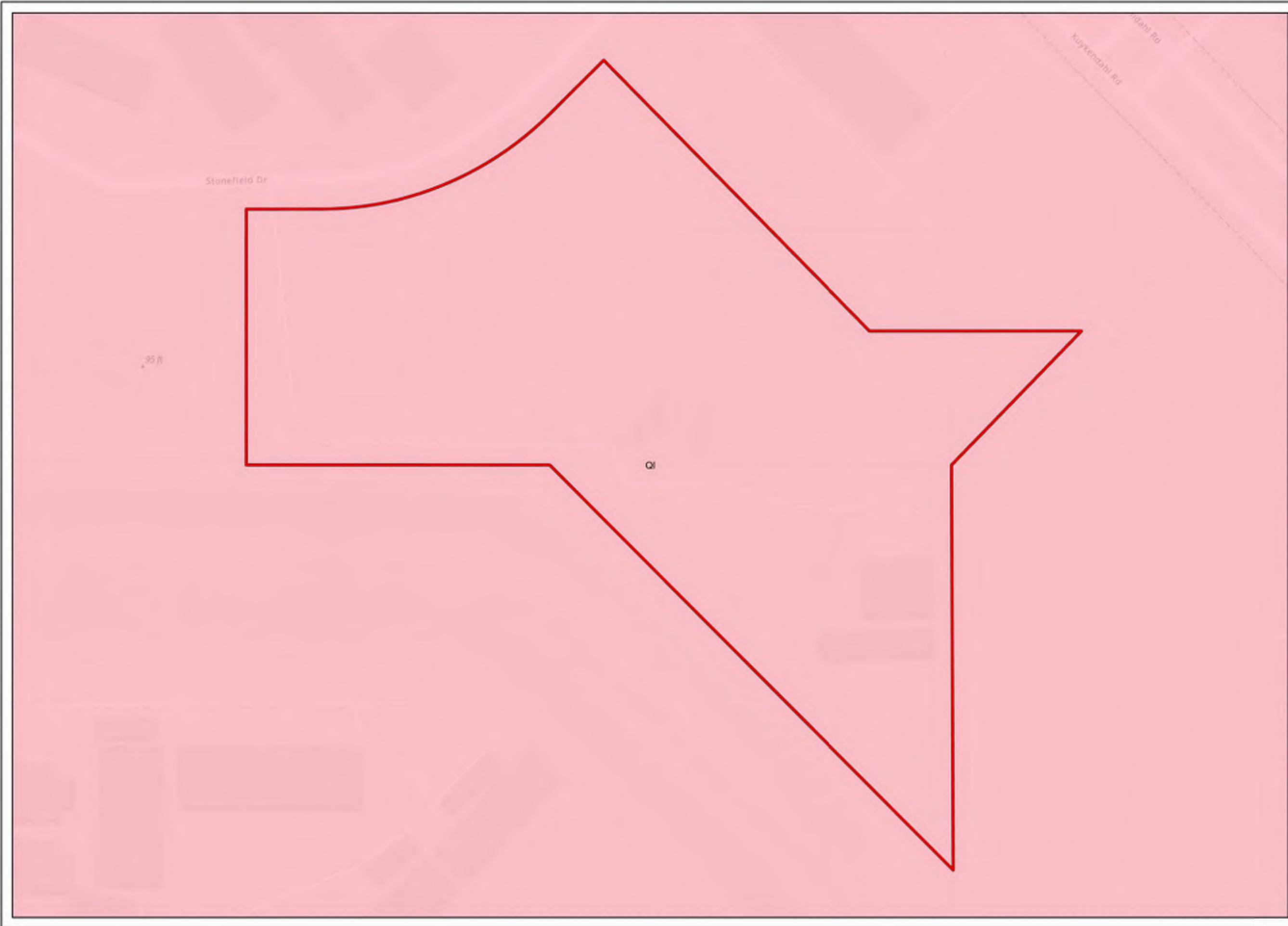
HCMUD 200 WWTP
HARRIS COUNTY, TEXAS

MAR 2025 FIGURE 2



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VICINITY MAP
1 INCH = 10 MILES

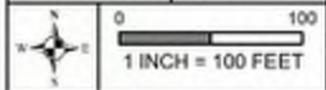
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-  Subject Property
-  Q: Lissie Formation

Regional Geological Map

HCMUD 200 WWTP
HARRIS COUNTY, TEXAS

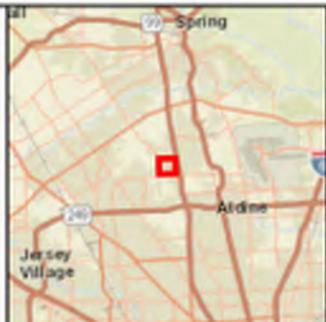
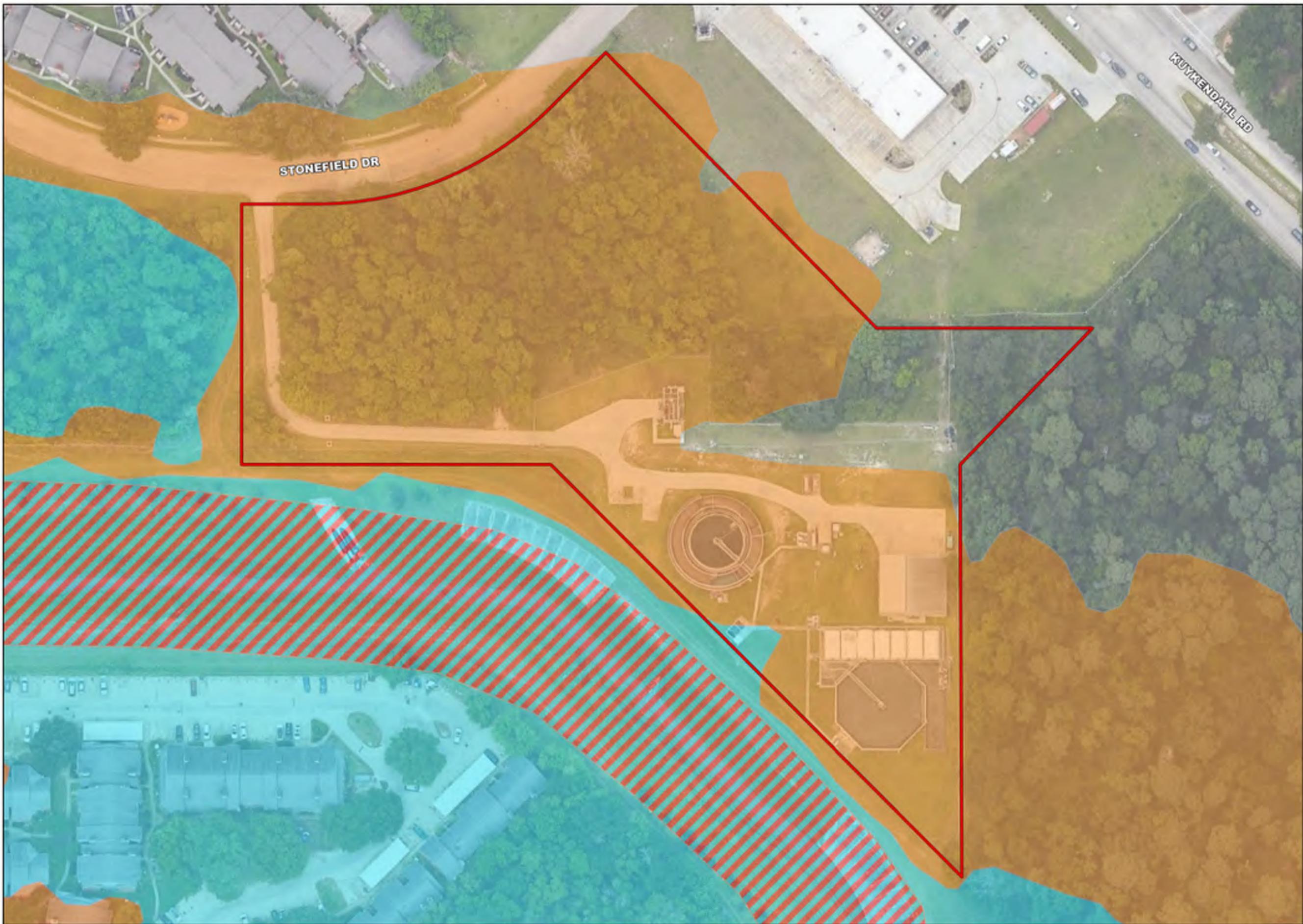
MAR 2025 FIGURE 3



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08/15/2024 10:00 AM
 Project Number: 2024-001-001
 Date: 3/22/2025
 User Name: admin



VICINITY MAP
1 INCH = 10 MILES

Legend

-  Subject Property
- FEMA Floodplain**
-  Floodway
-  100 Year
-  500 Year

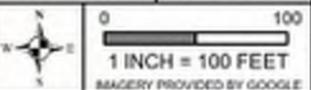
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Effective Date: 10/16/2013

Flood Insurance Rate Map

HCMUD 200 WWTP
HARRIS COUNTY, TEXAS

MAR 2025 FIGURE 4

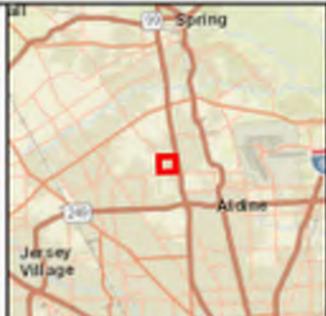
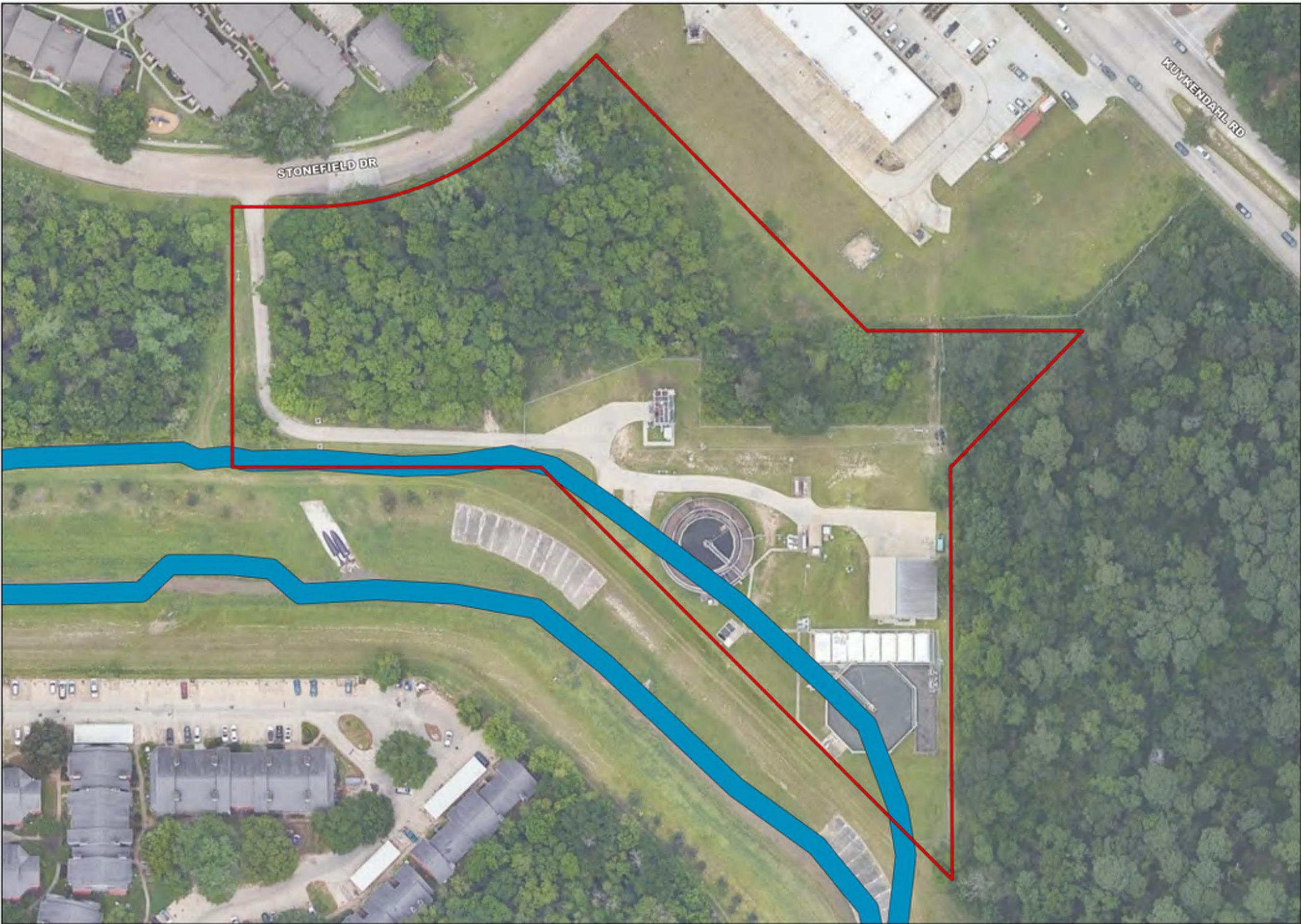


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QUIDDITY

Texas Board of Professional Engineers Registration No. 12395



VICINITY MAP
1 INCH = 10 MILES

Legend

- Subject Property
- National Wetlands Inventory**
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/ Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

National Wetland Inventory Map

HCMUD 200 WWTP
HARRIS COUNTY, TEXAS

MAR 2025 FIGURE 6



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