



# TRADITION TITLE COMPANY

December 14, 2022

City of Houston Planning Commission  
611 Walker Street, 6<sup>th</sup> Floor  
Houston, Texas 77002

To Whom It May Concern:

This company certifies that we have made a careful search of Real Property Records of Harris County, Texas, through an effective date of December 7, 2022 insofar as they pertain to:

**WATER PLANT SITE  
METES AND BOUNDS DESCRIPTION  
2.048 ACRES  
HARRIS COUNTY, TEXAS  
March 13, 2019**

All that certain 2.048 acres (89,208 square foot) tract of land located in the Victor Blanco Survey, Abstract Number 2, Harris County, Texas, being all of a called 1.1139 acre tract of land as conveyed by Special Warranty Deed dated January 11, 2017 to Harris County Municipal Utility District No. 49 as recorded under Clerk's File No. RP-2017-35685 of the Official Public Records of Real Property, Harris County, Texas and a called 0.9340 acre tract of land as conveyed by General Warranty Deed dated January 11, 2017 to Harris County Municipal Utility District No. 49 as recorded under Clerk's File No. RP-2017-35683 of the Official Public Records of Real Property, Harris County, Texas and being more particularly described by metes and bounds description as follows: (All bearings are referenced to the Texas Coordinate System of 1983, South Central Zone 4204)

**COMMENCING** at a 5/8-inch iron rod found at the southernmost cutback corner at the southeast corner of the intersection of the south right-of-way (R.O.W.) line of North Sam Houston Parkway E. (width varies, as recorded under Volume 3923, Page, 101 of the Deed Records of Harris County, Texas) and the east R.O.W. line of Fall Creek Preserve Drive (width varies, as recorded under Film Code No. 626178 of the Map Records of Harris County, Texas.

**THENCE**, in a northeasterly direction, along the arc of a curve to the right having a radius of 25.00 feet, a central angle of 90° 54' 40", an arc length of 39.67 feet and a chord bearing North 52°00'36" East, 35.64 feet to the point of tangency of said curve in the south R.O.W. line of said North Sam Houston Parkway E.;

**THENCE**, South 82° 32' 04" East, along said south R.O.W. line, a distance of 258.31 feet to an angle point;

**THENCE**, South 82° 33' 45" East, continuing along said south R.O.W. line, a distance of 411.28 feet to an angle point;

**THENCE**, North 89° 49' 48" East, continuing along said south R.O.W. line, a distance of 145.13 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the **POINT OF BEGINNING** and being the northwest corner of herein described tract;

*12428 Memorial Drive Houston, Texas 77024  
713 973 9700 713 973 9512 fax*

**THENCE**, North 89° 49' 48" East, continuing along said south R.O.W. line of said North Sam Houston Parkway E., for a distance of 60.00 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the northeast corner;

**THENCE**, South 00°00'00" East, a distance of 56.74 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of curvature of a curve to the right;

**THENCE**, in a southwesterly direction, along the arc of a curve to the right having a radius of 80.00 feet, a central angle of 64° 41' 00", an arc length of 90.32 feet and a chord bearing South 32° 20' 30" West, 85.60 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of tangency of said curve;

**THENCE**, South 64° 41' 00" West, a distance of 9.20 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of curvature of a curve to the left;

**THENCE**, in a southwesterly direction, along the arc of said curve to the left having a radius of 20.00 feet, a central angle of 89° 58' 28", an arc length of 31.41 feet and a chord bearing South 19° 41' 46" West, 28.28 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of tangency of said curve situated in the east line of a called 5.5000 acre tract as conveyed by Special Warranty Deed dated October 21, 2016 to The Standard on the Creek, LP as recorded under Clerk's File No. 2016479015 of the Official Public Records or Real Property, Harris County, Texas;

**THENCE**, South 25° 17' 28" East, a distance of 423.69 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of curvature of a curve to the right;

**THENCE**, in a southeasterly direction, along the arc of said curve to the right having a radius of 90.00 feet, a central angle of 64° 45' 37", an arc length of 101.73 feet and a chord bearing South 07° 05' 20" West, 96.40 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point in the northeasterly line of said 1.1139 acre tract

**THENCE**, South 29° 27' 48" East, along the northeasterly line of said 1.1139 acre tract, for a distance of 166.71 feet to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" in the west line of Drill Site "A" being a called 1.00 acre tract of land as described by a Substitute Drill Site Designation and Notification Deed recorded under H.C.C.F. Number 20120053372 for the northeast corner of the herein described tract;

**THENCE**, South 14° 12' 37" West, along the west line of said Drill Site "A", a distance of 124.37 feet to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" set in the north line of said United Texas Transmission Company Easement at the southwest corner of said Drill Site "A" for the southeast corner of the herein described tract;

**THENCE**, North 62° 36' 11" West, along the north line of said Easement, for a distance of 264.70 feet to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" found for the southwest corner of herein described tract;

**THENCE**, North 27° 27' 52" East, a distance of 275.17 feet, along the east line of a called 5.5000 acre tract as conveyed by Special Warranty Deed dated October 21, 2016 to The Standard On The Creek, LP as recorded under Clerk's File No. 2016479015 of the Official Public Records of Real Property, Harris County, Texas to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" set for corner;

**THENCE**, North 25° 17' 28" West, a distance of 390.27 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of curvature of a curve to the right;

**THENCE**, in a northeasterly direction, along the arc of said curve to the right having a radius of 80.00 feet, a central angle of 89° 58' 28", an arc length of 125.63 feet and a chord bearing North 19° 41' 46" East, 113.11 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of tangency of said curve;

**THENCE**, North 64° 41' 00" East, for a distance of 9.20 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of curvature of a curve to the left;

**THENCE**, in a northeasterly direction, along the arc of said curve to the left having a radius of 20.00 feet, a central angle of 64° 41' 00", an arc length of 22.58 feet and a chord bearing North 32° 20' 30" East, 21.40 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of tangency of said curve;

**THENCE**, North 00°00'00" West, a distance of 56.56 feet to the **POINT OF BEGINNING** and containing a computed area of 2.048 acres (89,208 square feet) of land.

This description is based on a survey made on the ground of the subject property is prepared by Benchmark Engineering Corporation, Job No. 20046-WP4.

The Company is prohibited from insuring the area or quantity of the land described herein. Therefore, the Company does not represent that the acreage or square footage calculations are correct and references to the quantity are for informational purposes only.

**RECORD TITLE APPEARS TO BE VESTED IN:**

**Harris County Municipal Utility District No. 49** by virtue of Warranty Deeds filed for record under Clerk's File Numbers RP-2017-35683 and RP-2017-35685

**EASEMENTS AND OTHER INCUMBRANCES:**

**a. Easement:**

Recorded: Document No. W453363, Official Public Records, Harris County, Texas  
Purpose: Right of Way and Easement  
Location: 90 feet in width along the North property line

**b. Easement:**

Recorded: Document No. X790554, Official Public Records, Harris County, Texas  
Purpose: Water Line and Sanitary Sewer Easement  
Location: 25 feet in width, located South of and adjacent to the 90 foot Right of Way set out above

**c. Easement:**

Recorded: Document No. X790551, Official Public Records, Harris County, Texas  
Purpose: Temporary Drainage Easement  
Location: 60 feet in width along the Southerly property line

**d. Easement:**

Recorded: Document No. Volume 5782, Page 361 Deed Records, Harris County, Texas, E590469, K592598, L096110 and L096111, Official Public Records, Harris County, Texas  
Purpose: H.L. & P Easement

- ✓ e. Easement:  
Recorded: Document No. RP-2016-477638, Official Public Records, Harris County, Texas  
Purpose: Sanitary Control Easement
- ✓ f. Terms, Conditions, and Stipulations in the Agreement:  
Recorded: Document No. RP-2016-479017, Official Public Records, Harris County, Texas.  
Type: Access Easement Agreement
- ✓ g. Easement:  
Recorded: Document No. RP-2016-479019, Official Public Records, Harris County, Texas.  
Purpose: Temporary Grading Easement
- ✓ h. Easement:  
Recorded: Document No. RP-2016-479020 and as affected by Document No. 2017-81690, Official Public Records, Harris County, Texas.  
Purpose: Storm Sewer Easement
- ✓ i. Easement:  
Recorded: Document No. RP-2021-258796, Official Public Records of Harris County, Texas.  
Purpose: Blanket Easement for Electrical Distribution
- j. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Volume 662, Page 116, Deed Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*
- k. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Volume 805, Page 521, Deed Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*
- Waiver of Surface Rights executed in instrument recorded in Document No. W026232, Official Public Records, Harris County, Texas.
- l. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Volume 1112, Page 797, Deed Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*
- m. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Document No. C542797 thru C542801, Official Public Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*

- n. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Document No. G411948, Official Public Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*
- o. Mineral and/or royalty interest in and to all coal, lignite, oil, gas and other minerals; together with all rights incident thereto:  
Recorded: Document No. J267916, Official Public Records, Harris County, Texas.  
*Title to said interest has not been researched subsequent to the date of the above referenced instrument and the Company makes no representation as to the ownership or holder of such interest(s).*
- p. Terms, Conditions, and Stipulations in Oil, Gas and Mineral Lease:  
Recorded: Document No. V072997 and amended in Document No. Z238899, Official Public Records, Harris County, Texas.  
Title to said interest has not been researched subsequent to the date of the above referenced instrument.

**RESTRICTIONS:**

None of record.

**LIENS:**

None of record.

**MISCELLANEOUS:**

- a. The subject property is located within the City of Houston or within its extra territorial jurisdiction (within 5 miles of the city limits but outside another municipality) and is subject to the terms, conditions and provisions of the City of Houston Ordinance #85-1878, pertaining to among other things, the platting and replatting of real property and to the establishment of building lines (25 feet along major thoroughfares and 10 feet along other streets). A certified copy of said ordinance was filed for record on August 1, 1991, under Harris County Clerk's File No. N253886.
- b. The above property lies within the area designated and zoned by the City of Houston as the Jetero Airport Hazard Area (George Bush Intercontinental Airport) and is subject to the restrictions and regulations imposed by Ordinance of the City of Houston, a certified copy of which is recorded in Volume 4184, Page 518, Volume 4897, Page 67, Volume 5448, Page 421, Deed Records, Harris County, Texas, as amended by Ordinance No. 83-861, recorded in Clerk's File No. J040968, Official Public Records, Harris County, Texas.
- c. Inclusion within the Harris County Municipal Utility District No. 49.
- d. Terms, Conditions, and Stipulations in the Agreement:  
Recorded: Document No. W443038 and X659999, Official Public Records, Harris County, Texas.  
Type: Agreement for Waiver of Special Appraisal for the Benefit of Harris County Municipal Utility District No. 49

No examination has been made as to Abstracts of Judgment, state or federal tax liens, the status of taxes, tax suits or paving assessments.

This certificate issued for the use of and shall inure to the benefit of CITY OF HOUSTON; and liability of Tradition Title Company hereunder for mistakes and/or errors in this certificate is limited to the cost of said certificate.

This company does not undertake to give or express any opinion as to the validity of the title to the property above described, not the validity or effect of the instruments listed, and this certificate is neither a guaranty nor warranty of title.

Prepared by:

By: 

Lisa Wilson, Policy Manager  
December 14, 2022

**METES AND BOUNDS DESCRIPTION**

**2.048 ACRES**

**HARRIS COUNTY, TEXAS**

**March 13, 2019**

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**THENCE**, in a southwesterly direction, along the arc of a curve to the right having a radius of 80.00 feet, a central angle of  $64^{\circ} 41' 00''$ , an arc length of 90.32 feet and a chord bearing South  $32^{\circ} 20' 30''$  West, 85.60 feet to a 5/8-inch iron rod with cap stamped "BenchmarkEngr" set for the point of tangency of said curve;

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**THENCE**, South  $14^{\circ} 12' 37''$  West, along the west line of said Drill Site "A", a distance of 124.37 feet to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" set in the north line of said United Texas Transmission Company Easement at the southwest corner of said Drill Site "A" for the southeast corner of the herein described tract;

**THENCE**, North  $62^{\circ} 36' 11''$  West, along the north line of said Easement, for a distance of 264.70 feet to a 5/8-inch iron rod with plastic cap stamped "BENCHMARK ENGR" found for the southwest corner of herein described tract;

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**THENCE**, North 00°00'00" West, a distance of 56.56 feet to the **POINT OF BEGINNING** and containing a computed area of 2.048 acres (89,208 square feet) of land.

This description is based on a survey made on the ground of the subject property and is issued in conjunction with an exhibit map entitled EXHIBIT "A", (Page 3 of 3 Pages) prepared by Benchmark Engineering Corporation, Job No. 20046-WP4.



Ronald G. Harrison, R.P.L.S.  
Texas Registration No. 5342  
TBPLS Firm Registration Number 10009000



# HARRIS COUNTY

Engineering Department

1111 Fannin Street, 8<sup>th</sup> Floor  
Houston, Texas 77002  
(713) 274-3932

## TAX CERTIFICATES

Texas Statutes, Property Code, Chapter 12, Recording of Instrument, Section 12.002 (e) requires that tax certificates and receipts be provided to the County Clerk before a subdivision plat can be recorded. Section 12.002 (e) (2) exempt taxing units which acquire property for public use through eminent domain proceedings or voluntary sale.

The taxing unit indicated below owns the property within the boundaries of the proposed subdivision plat and is exempt from this requirement as this property is being subdivided for public use.

Plat Name: **HARRIS COUNTY MUD NO 49 WATER PLANT NO 2**

Property Owner/Taxing Unit: **HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 49**

Typically exempted:

- City or County properties
- School District properties
- Municipal Utility District facilities



*Vivian C. Blanks*

*Asst. Planner*

*Harris County Engineering / Permits*

UTILITY SERVICE PLAN

1. APPLICANT INFORMATION (Please print or type)

Applicant's Name Benchmark Engineering Corporation
Mailing Address 2401 Fountainview Dr. Ste # 500 City Houston State Tx. Zip 77057
Office Phone 713-554-2277 Cellular Phone Fax 713-266-3804
Owner/Developer's Name Harris County Municipal Utility District No. 49 Phone 713-652-6500
Owner/Developer's Mailing Address 2727 Allen Parkway Ste # 1100 City Houston State Tx. Zip 77019

2. LOCATION OF PROPERTY

Proposed Subdivision Name Harris County MUD No 49 Water Plant No 2

Recorded plat name (if a replat or amending plat)

Survey Name Victor Blanco Survey Abstract Number 2 Acreage 2.048

3. SERVICE CAPACITY

Proposed Use of Development: [ ] Single Family [ ] Commercial [ ] Mixed Single Family/Commercial

[x] Other Water Plant
Number of Lots: 0 Estimated Sewerage Capacity Required: 0 / 5=GPD
Number of Reserves: 1

4. WATER/SEWER SERVICE All additional documents to be submitted to: platting@hccpid.org unless otherwise noted.

Water Service:

- [ ] To be served by existing utility: Provide proof of approval from District or Utility for proposed development.
[x] To be served by a new public water well and water plant: Provide proof of Texas Commission on Environmental Quality (TCEQ) Public Water System approval letter and Harris-Galveston Subsidence District Permit.
[ ] To be served by a new commercial, private\* water well and/or water plant: For new commercial water well, provide Harris-Galveston Subsidence District permit. If a water plant is also proposed, please provide copy of TCEQ approval letter for the water system.
[ ] To be served by a new residential, private\* water well: No documentation required.
[ ] If there is an existing water well or if means of providing water service is undecided: Provide a complete Subdivision Planning Report that demonstrates the feasibility of water well usage in conjunction with an on-site sewage facility for the platted area. Submit the report to wastewater@hccpid.org.

\* A private water well serves less than 25 people and has less than 15 connections per 30 TAC §290.38(69).

Wastewater Service:

- [x] To be served by existing utility: Provide proof of approval from District or Utility for proposed development.
[ ] To be served by a new wastewater treatment plant: Provide TCEQ plan approval letter that includes verbiage to allow plant construction to commence or provide TCEQ wastewater discharge permit.
[ ] To be served by an existing/new On-Site Sewage Facility (OSSF) or if means of providing wastewater service is undecided: Provide a complete Subdivision Planning Report that demonstrates the feasibility of an on-site system for the platted area. Please submit the report to wastewater@hccpid.org.

I, Luis D. Valencia, the undersigned have carefully reviewed this form and my answers to all questions. To the best of my knowledge, the answers are all true and correct.

SIGNATURE of Applicant/Agent or Attorney [Signature] Date 1/3/23

\*\*\* Section 4 does not apply to plats solely used for street dedication(s) and/or detention basin(s).

Harris County Engineering Department
Permits Division- Planning Group
10555 Northwest Freeway, Suite 120, Houston, TX 77092
Phone 713-274-3932 platting@hccpid.org



**BENCHMARK ENGINEERING CORPORATION**  
**ENGINEERING • PLANNING • LAND SURVEYING**

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
REGISTRATION NUMBER F-6788  
TEXAS BOARD OF PROFESSIONAL LAND SURVEYORS  
REGISTRATION NUMBER 10009000  
2401 FOUNTAINVIEW DRIVE, SUITE 500  
HOUSTON, TEXAS 77057  
(713) 266-9930

CONSULTING ENGINEERS

FAX (713) 266-3804

March 21, 2019

Harris County Engineers Office  
10555 Northwest Frwy. #120  
Houston, Texas 77092

Re: HARRIS COUNTY MUD No 49 WATER PLANT No 2  
Harris County MUD No 49

To whom it may concern:

We have reviewed the construction drawings and final plat for the above reference project and find them to be in general compliance with District's Rate Order. Accordingly, we offer no objection to recording of the plat and to the owner's request for water and sanitary sewer connection to District facilities in accordance with the plans.

If you have any questions, please call me.

Sincerely,

BENCHMARK ENGINEERING CORPORATION

Saib Y. Saour, P.E., R.P.L.S.  
President  
Harris County MUD #49, District Engineer





Jon Niemann, *Chairman*  
 Emily Lindley, *Commissioner*  
 Toby Baker, *Executive Director*

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*  
 January 14, 2019

Mr. William Saour, P.E.  
 Benchmark Engineering Corporation  
 2401 Fountainview Drive, Suite 500  
 Houston, TX 77057

Re: Harris County MUD 49 - Public Water System ID No. 1011462  
 Proposed Water Plant No. 2 Phase 1 Improvements  
 Engineer Contact Telephone: (713) 266-9300  
 Plan Review Log No. P-11152018-095  
 Harris County, Texas

CN600738983; RN102683315

Dear Mr. Saour:

On November 15, 2018, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated January 15, 2019 for the proposed Water Plant No. 2 Phase 1 improvements. Based on our review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and conditionally approved for construction if the project plans and specifications meet the following requirement(s):

1. Three corrosive indices (Langelier Saturation Index, Ryznar Stability Index and the Aggressive Index) will be used to calculate corrosivity of the water from new source(s). Corrosive or aggressive water could result in aesthetic problems, increased levels of toxic metals, and deterioration of household plumbing and fixtures. If the water appears to be corrosive, the system will be required to conduct a study and submit an engineering report that addresses corrosivity issues or may choose to install corrosion control treatment before use may be granted. All changes in treatment require submittal of plans and specifications for approval by TCEQ.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCDs) as the preferred method of groundwater management. GCDs manage groundwater in many counties and are authorized to regulate production and spacing of water wells. Public water systems drilling wells within an existing GCD are responsible for meeting the GCD's requirements. The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

Mr. William Saour, P.E.  
Page 2  
January 14, 2019

The design engineer or water system representative is required to notify the Plan Review Team in writing by fax at (512) 239-6972 or emailing [Craig.Stowell@Tceq.Texas.Gov](mailto:Craig.Stowell@Tceq.Texas.Gov) and cc: [vera.poe@tceq.texas.gov](mailto:vera.poe@tceq.texas.gov) at least 48 hours before the well casing pressure cementing begins. If pressure cementing is to begin on Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

The TCEQ does not approve this well for use as a public water supply at this time. We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval (Step 2)". We provide this checklist to help you in obtaining approval to use this well.

The submittal consisted of 41 sheets of engineering drawings, technical specifications and an engineering summary. The proposed project consists of:

- One (1) public water supply well drilled to 1,260 feet with 645 linear feet (lf) of 24-inch outside diameter (od) carbon steel casing and pressure-cemented 645 lf;
- 300 lf of 18-inch od stainless steel slot screen, 435 lf of 18-inch od blank steel liner, with 32-inch underream and 735 lf gravel pack;
- The well is rated for 1,500 gallons per minute (gpm) yield with a 350 horsepower, 10-inch submersible pump set at 590 feet deep. The design capacity of the pump is 1,500 gpm at 700 feet total dynamic head;
- Two (2) 320,000 American Water Works Association D103 bolted steel ground storage tanks;
- Two (2) 20,000-gallon American Society of Mechanical Engineers Section VIII, Division 1 Codes and Construction Regulations hydropneumatic pressure tanks;
- Four (4) 1,200 gpm, 75 horsepower high service pumps;
- Liquid ammonium sulfate (LAS) disinfection system with two (2) chemical feeders (one as a spare) with flow capacities up to 600 gallons per day (gpd) and one (1) 750 gallon storage tank;
- Sodium hypochlorite system with two (2) chemical feeders (one as a spare) with flow capacities up to 600 gpd and one (1) 750 gallon storage tank;
- Pump house building to house the high service pumps and chlorine, LAS, and polyphosphate treatment systems;
- One (1) 300-kilowatt diesel generator;
- Intruder-resistant cedar fence; and,
- Various yard piping, valves, fittings, and appurtenances.

Alternate Bid No. 1:

- One (1) 300 horsepower, 10-inch submersible well pump.

Alternate Bid No. 2:

- One (1) 400 horsepower, 10-inch submersible well pump.

Mr. William Saour, P.E.

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January 14, 2019

This approval is for the construction of the above listed items only. Any wastewater components contained in this design were not considered.

**The Phosphate treatment system is not approved. Please evaluate the need and sizes of proposed phosphate system based upon the well completion materials.**

The Harris County MUD 49 public water system provides water treatment.

The project is located ¼ mile southeast of the intersection of Sam Houston Tollway and Fall Creek Reserve Drive in the City of Humble, Harris County, Texas.

An appointed engineer must notify the TCEQ's Region 12 Office in Houston at (713) 767-3500 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the commission's Water Supply Division, in writing, as to its completion and attest to the fact that the completed work is substantially in accordance with the plans and change orders on file with the commission as required in 30 TAC §290.39(h)(3).

Please refer to the Plan Review Team's Log No. P-11152018-095 in all correspondence for this project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below. You can also download the most current plan submittal checklists and forms from the same address.

<https://www.tceq.texas.gov/drinkingwater/udpubs.html>

For future reference, you can review part of the Plan Review Team's database to see if we have received your project. This is available on TCEQ's website at the following address:

<https://www.tceq.texas.gov/drinkingwater/planrev.html/#status>

You can download the latest revision of 30 TAC Chapter 290 - Rules and Regulations for Public Water Systems from this site.

Mr. William Saour, P.E.  
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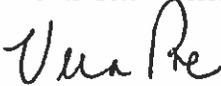
If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell, P.E. at (512) 239-4633 or by email at [craig.stowell@tceq.texas.gov](mailto:craig.stowell@tceq.texas.gov) or by correspondence at the following address:

Plan Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Craig A. Stowell, P.E.  
Plan Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Vera Poe, P.E., Team Leader  
Plan Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

VP/CAS/aw/av

Enclosure: "Public Well Completion Data Checklist for Interim Approval (Step 2)"

cc: Harris County MUD 49, Attn: Mr. August Nunez, 2727 Allen Parkway, Suite 1100,  
Houston, TX 77019-2191

## Public Well Completion Data Checklist For Interim Approval (Step 2)

Texas Commission on Environmental Quality  
Water Supply Division  
Plan Review Team MC-159  
P.O. Box 13087, Austin, Texas 78711-3087

Public Water System I.D. No. \_\_\_\_\_  
TCEQ Log No. P- \_\_\_\_\_

The following list is a brief outline of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed Water Supply Well Completion. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from Texas Register, 1019 Brazos St, Austin, TX, 78701-2413, Phone: (512) 463-5561 or downloaded from the website:

<http://www.tceq.texas.gov/rules/indxpdf.html>

Any well proposed as a source of water for a public water supply must have plans approved for construction by TCEQ. Please include the well construction approval letter with your submittal of well completion data listed below must be submitted for TCEQ evaluation. Based on this submitted data, interim approval may be given for use of the well.

1.  Site map(s) at appropriate scales showing the following: [§290.41(c)(3)(A)]
  - (i) Final location of the well with coordinates;
  - (ii) Named roadways;
  - (iii) All property boundaries within 150 feet of the final well location and the property owners' names;
  - (iv) Concentric circles with the final well location as the center point with radii of 10 foot, 50 foot, 150 foot, and ¼ mile;
  - (v) Any site improvements and existing buildings;
  - (vi) Any existing or potential pollution hazards; and
  - (vii) Map must be scalable with a north arrow.
2.  A copy of the recorded deed of the property on which the well is located showing the Public Water System (PWS) as the landowner, and/or any of the following: [§290.41(c)(1)(F)(iv)]
  - (i) Sanitary control easements (filed at the county courthouse and bearing the county clerk's stamp) covering all land within 150 feet of the well not owned by the PWS (for a sample easement see TCEQ Form 20698);
  - (ii) For a political subdivision, a copy of an ordinance or land use restriction adopted and enforced by the political subdivision which provides an equivalent or higher level of sanitary protection to the well as a sanitary control easement; and/or
  - (iii) A copy of a letter granting an exception to the sanitary control easement rule issued by TCEQ's Technical Review and Oversight Team.
3.  Construction data on the completed well: [§290.41(c)(3)(A)]
  - (i) Final installed pump data including capacity in gallons per minute (gpm), total dynamic head (tdh) in feet, motor horsepower, and setting depth;
  - (ii) Bore hole diameter(s) (must be 3" larger than casing OD) and total well depth;
  - (iii) Casing size, length, and material (e.g. 200 lf of 12" PVC ASTM F480 SDR-17);
  - (iv) Length and material of any screens, blanks, and/or gravel packs utilized;

- (v) Cementing depth and pressure method (one of the methods in latest revision of AWWA Standard A-100, Appendix C, excluding the dump bailer and tremie methods);
  - (vi) Driller's geologic log of strata penetrated during the drilling of the well;
  - (vii) Cementing certificate; and
  - (viii) Copy of the official State of Texas Well Report (some of the preceding data is included on the Well Report).
4.  A U.S. Geological Survey 7.5-minute topographic quadrangle map (include quadrangle name and number) or a legible copy showing the location of the completed well; [§290.41(c)(3)(A)]
5.  Record of a 36-hour continuous pump test on the well showing stable production at the well's rated capacity. Include the following: [§290.41(c)(3)(G)]
- (i) Test pump capacity in gpm, tdh in feet, and horsepower of the pump motor;
  - (ii) Test pump setting depth;
  - (iii) Static water level (in feet); and
  - (iv) Draw down (in feet).
6.  Three bacteriological analysis reports for samples collected on three successive days showing raw well water to be free of coliform organisms. Reports must be for samples of raw (untreated) water from the disinfected well and submitted to a laboratory accredited by TCEQ, accredited to perform these test; and [§290.41(c)(3)(F)(i)]
7.  Chemical analysis reports for well water samples showing the water to be of acceptable quality for the most problematic contaminants listed below. Reports must come from a laboratory accredited by TCEQ; accredited to perform these test. Maximum contaminant level (MCL) and secondary constituent level (SCL) units are in mg/l (except arsenic). [§290.41(c)(3)(G) and §290.104 and §290.105]

MCL	PRIMARY	SCL	SECONDARY	SCL	SECONDARY	SCL	SECONDARY
10 (as N)	Nitrate	0.2	Aluminum	5.0	Zinc	300	Sulfate
1 (as N)	Nitrite	1.0	Copper	1,000	Total Dissolved Solids	300	Chloride
10 µg/l	Arsenic	0.3	Iron	2.0	Fluoride	≥ 7.0	pH
4.0	Fluoride	0.05	Manganese	N/A	Lead		

Corrosive Water Parameters	
Parameter	Units
Alkalinity as CaCO <sub>3</sub>	mg/l
Calcium as CaCO <sub>3</sub>	mg/l
Sodium	mg/l

All systems located in a high-risk county (see page 3) shall submit radiological analysis reports for water samples showing the water to be of acceptable quality for the contaminants listed below. Reports must come from a TCEQ accredited laboratory for interim use of the well.

MCL	CONTAMINANT
15 pCi/L	Gross alpha
5 pCi/L	Radium-226/228
50 pCi/L	Beta particle
30 µg/L	Uranium

WHERE: pCi/L = pico curies per liter, µg/L = micrograms per liter

Please be aware when you review your radiological data that if the report has gross alpha over 15 pCi/L and individual uranium isotopes are not reported, you will have to resample or reanalyze and resubmit radionuclide results. If you see gross alpha plus radium-228 over 5 pCi/L, and don't have radium-226, you will have to resample or reanalyze and resubmit complete results.

### LIST OF COUNTIES WHERE RADIONUCLIDE TESTING IS REQUIRED

Please be aware that we have added the requirement for analysis for radionuclides for high-risk counties. For elevated levels of any contaminants found in a test well, treatment or blending may be required.

COUNTY	STATE CODE #
Atascosa	007
Bandera	010
Bexar	015
Bosque	018
Brazoria	020
Brewster	022
Burnet	027
Concho	048
Culberson	055
Dallam	056
Dawson	058
Erath	072
Fort Bend	079
Frio	082
Garza	085
Gillespie	086
Gray	090
Grayson	091
Harris	101

COUNTY	STATE CODE #
Hudspeth	115
Irion	118
Jeff Davis	122
Jim Wells	125
Kendall	130
Kent	132
Kerr	133
Kleberg	137
Liberty	146
Llano	150
Lubbock	152
McCulloch	154
Mason	160
Matagorda	161
Medina	163
Midland	165
Montgomery	170
Moore	171

COUNTY	STATE CODE #
Parker	184
Pecos	186
Polk	187
Presidio	189
Refugio	196
San Jacinto	204
San Saba	206
Tarrant	220
Travis	227
Tyler	229
Upton	231
Val Verde	233
Victoria	235
Walker	236
Washington	239
Wichita	243
Williamson	246
Zavala	254



# Harris-Galveston Subsidence District

1660 West Bay Area Blvd. - Friendswood, TX 77546

[www.hgsubsidence.org](http://www.hgsubsidence.org)

281-486-1105



## WATER WELL PERMIT

January 18, 2023

### I. PERMITTEE:

Houston, City of  
ATTN: Christopher Dupree  
600 Walker Street 18th Floor  
Houston, TX 77002

PERMIT NO.: WP2021-4815

### II. LOCATION OF WELL:

LATITUDE: 29.9255550

LONGITUDE: -95.2355550

III. WELL NO.: 13805

Well Owner: Harris Co. MUD 49

The authorized withdrawal below is the TOTAL COMBINED amount that may be withdrawn from the following wells:

1003, 1006, 1009, 1873, 3257, 3315, 4230, 5404, 9585, 9896, 10193, 11520, 15013, 1047, 1419, 1667, 2208, 2513, 1524, 1761, 1768, 1771, 2068, 2074, 2373, 2972, 3039, 3586, 3639, 3697, 3761, 3886, 4005, 4189, 4250, 4366, 4789, 5299, 7242, 8202, 8625, 10216, 12507, 14082, 15032, 1656, 2139, 3110, 3532, 3783, 3893, 3957, 4260, 4318, 5498, 6826, 10412, 11312, 14333, 2576, 2702, 2935, 3121, 3304, 3417, 3680, 3843, 3849, 4087, 5933, 9083, 10420, 11683, 11808, 13804, 13975, 14155, 2040, 3374, 3438, 3852, 3858, 4457, 6963, 9400, 11631, 14295, 1848, 1918, 2645, 2816, 3302, 3308, 3427, 1773, 1831, 2137, 2372, 2744, 2799, 3291, 3463, 3530, 3830, 3891, 3894, 4127, 4194, 1713, 1835, 2205, 3483, 3611, 3673, 3792, 3850, 3853, 4033, 4327, 4336, 5513, 5568, 6296, 6964, 11080, 12355, 13563, 13805, 14229, 4493, 5313, 5548, 7241, 12157, 13125, 14020, 14450, 2257, 3109, 3173, 3292, 3467, 3837, 3889, 3892, 4259, 4262, 8757, 13789, 14676, 1007, 1010, 1013, 1071, 1074, 1132, 1751, 1877, 2360, 2412, 1011, 1072, 1075, 1130, 1872, 1939, 3146, 3393, 3445, 3571, 3633, 3636, 3990, 3996, 4048, 4531, 4786, 5531, 5650, 6075, 7651, 10268, 1938, 2180, 2186, 2430, 2726, 2968, 2971, 3038, 3090, 3270, 3331, 3518, 3696, 3754, 10450, 10691, 14017, 3145, 3328, 3561, 3870, 3873, 4231, 5466, 7528, 8244, 8548, 9467, 10017, 11048, 13880, 2210, 2512, 2575, 3484, 3597, 3778, 13462, 3845, 3897, 3900, 3903, 3967, 7561, 10776, 11563, 13073, 1012, 1876, 2001, 2484, 2605, 1005, 1374, 1383, 1737, 2041, 2221, 2776, 3314, 3740, 3859, 3865, 3978, 4097, 4716, 7814, 11403, 12904, 13566, 14116, 2725, 2967, 3272, 3330, 3572, 3811, 3814, 4790, 4848, 5175, 5651, 6076, 9352, 10031, 11715, 15123, 1375, 1608, 1678, 1861, 3303, 3373, 3612, 3793, 3851, 3979, 4647, 5215, 5514, 5569, 5932, 9272, 9396, 9881, 10123, 10483, 15064, 1830, 2075, 2191, 2429, 2553, 2798, 3278, 3526, 3643, 3762, 3765, 4006, 4012, 4190, 4251, 4492, 5428, 6995, 7237, 8203, 8568, 10159, 11605, 14016, 14912, 15073, 14737, 16165, 1522, 16270, 3482, 2985

IV. PERMIT TERM: February 01, 2022 THROUGH January 31, 2023

### V. AUTHORIZED WITHDRAWAL:

Only that which is required without being wasteful during the permit term, but not to exceed 34,000.00 million gallons (combined total for all wells listed above).

Any pumpage in excess of the amount authorized in this permit is a violation of the District's rules. Applications for an amendment to increase authorized withdrawal must be submitted prior to exceeding the permitted amount.

### VI. SPECIAL PROVISIONS:

E, G1A, M

SUBJECT TO CONDITIONS AND REQUIREMENT ON ATTACHED PAGE

APPROVED THIS 14 DAY OF December 2022

Harris-Galveston Subsidence District

BY:

General Manager



# Harris-Galveston Subsidence District

1660 West Bay Area Blvd. - Friendswood, TX 77546

[www.hgsubsidence.org](http://www.hgsubsidence.org)

281-486-1105



## WATER WELL PERMIT

January 18, 2023

### CONDITIONS AND REQUIREMENTS

- a. This permit is granted in accordance with the provisions of Chapter 8801, and the rules and orders of the District, and acceptance of this permit constitutes an acknowledgement and agreement that the permittee will comply with Chapter 8801, all the terms, provisions, conditions, requirements, limitations, and restrictions embodied in this permit and with the rules, regulations, and orders of the District.
- b. This permit confers no vested rights in the holder, and it may be revoked or suspended, or its terms may be modified or amended pursuant to the provisions of Chapter 8801. Any person who becomes the owner of a permitted well must notify the District of the name and contact information for the new owner within 90 days from the date of the change in ownership.
- c. The operation of the well for the authorized withdrawal shall be conducted in a non-wasteful manner.
- d. Except as provided in Rule 8.2, a water meter must be installed and operated in accordance with Section 8 of the Subsidence District's rules.
- e. The well owner or well operator shall keep accurate records, on a monthly basis, of the amount of groundwater withdrawn and the purpose of the withdrawal, and such records shall be provided to the permittee and available for inspection by the Subsidence District representatives. If a meter is required, the meter shall be read, and the meter reading and actual amount of pumpage recorded each month in accordance with Rule 8.7 of the Subsidence District's rules. Immediate written notice shall be given to the Subsidence District in the event a withdrawal exceeds the quantity authorized by this permit.
- f. The well site shall be accessible to Subsidence District representatives for inspection, and the permittee agrees to cooperate fully in any reasonable inspection of the well site by the Subsidence District representative.
- g. The application pursuant to which this permit has been issued is incorporated in this permit, and this permit is granted on the basis of and contingent upon the accuracy of the information supplied in that application and in any amendments to the application. A finding that false information has been supplied shall be grounds for immediate revocation of the permit. In the event of conflict between the provisions of this permit and the contents of the application, the provisions of this permit shall control.
- h. Violation of this permit's terms, conditions, requirements, or special provisions, including pumping amounts in excess of authorized withdrawal, shall be punishable by civil penalties as provided by Section 8801.204, Special District Local Laws Code.



# Harris-Galveston Subsidence District

1660 West Bay Area Blvd. - Friendswood, TX 77546

[www.hgsubsidence.org](http://www.hgsubsidence.org)

281-486-1105



## WATER WELL PERMIT

January 18, 2023

PROVISIONS FOR PERMIT # WP2021-4815

- PROV-M Within sixty days of the beginning of the permit term, the permittee shall furnish the District with proof that the meter is installed according to the manufacturers specifications or a certified affidavit confirming the accuracy of the water meter in accordance with Rule 8.5 of the Rules of the District.
- PROV-E AUTHORIZED WITHDRAWAL is the total aggregate allocation for all wells.
- PROV-G1A This permit is exempt from disincentive permit fees based on and subject to the permittee's continued compliance with the requirements and provisions outlined in its groundwater reduction plan certified by the Board of Directors on 10/14/2015. The permittee shall timely achieve the implementation actions, milestones, and other requirements set forth in its groundwater reduction plan. Any change in the plan with respect to the amount or source of alternate water or in the timing of reduction of groundwater shall be filed with the District for its approval in the form of an amendment to the GRP. The permittee shall submit any required progress reports in a form that adequately addresses the projects that have been undertaken to timely reduce its use of groundwater in accordance with its GRP.

Duplicate Copy



**ANN HARRIS BENNETT**

Tax Assessor-Collector & Voter Registrar  
www.hctax.net

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March 26, 2019

Whom It May Concern:

Please be advised that the name **HARRIS COUNTY MUD NO 49 WATER PLANT NO 2** is not the name of any subdivision recorded in the subdivision records Harris County Texas, as maintained by the Harris County Appraisal District and the Office of Harris County Tax Assessor-Collector.

A handwritten signature in blue ink, appearing to read "Ann Harris Bennett", is written over a horizontal line.

Office of Ann Harris Bennett  
Tax Assessor-Collector  
Harris County, Texas