

August 11, 2025

Mr. Zach Holland
Bluebonnet Groundwater Conservation District
P.O. Box 269
Navasota, Texas 77868

RE: New Well Application
CrestPoint Maple WC59, LLC
Waller County MUD No. 59

Dear Mr. Holland,

Please accept these documents as part of a Non-Exempt Water Well Registration Application package.

A check for the application fee is being mailed under separate cover. The check, in the amount of \$1,500 is for the applicable District Prepared Phase 1A Report.

Should you require any additional information, I can be reached at 281.306.0240 extension 124 or by email at jelms@odysseyeg.com.

We appreciate your attention to this matter.

Cordially,



Jennifer L. Elms, P.E.
Senior Project Manager

Enclosures: Non-Exempt Water Well Registration Application
Well Operating Permit Application
Exhibit showing Well Location
Site Layout with Well Location
Well Construction Diagram.

CC: Jim Rogers, CrestPoint Partners

Bluebonnet Groundwater Conservation District
1903 Dove Crossing Lane Suite A, P.O. Box 269
Navasota, TX 77868
Phone: 936-825-7303 Fax: 936-825-7331
Email: BGCD@bluebonnetgroundwater.org

BGCD Well ID #: _____

NON-EXEMPT WATER WELL REGISTRATION APPLICATION

Please complete all questions. Please print or type information, or place an "x" in the appropriate space.

Drill New Well: X Register an Existing Well: _____ Replace Existing Well: _____ Increase Size of Existing Well: _____

Increase Pump Size of Existing Well: _____ Abandon/Cap/Plug Existing Well: _____ Perform Dye Trace: _____

Well Owner CrestPoint Maple WC59, LLC Phone 713.494.4304

Address 2000 Bering Drive, Suite 401 Houston, TX 77057

Fax: _____ Email: jim@crestpointtx.com

Drilling Company To Be Determined Phone _____

Address _____

Fax: _____ Email: _____

Driller _____ License# _____

Well Location: County Waller Well Site Address or Location: _____

Latitude 29.972 Longitude -95.9364

Proposed Water Use: Public Water Supply: X Industrial: _____ Recreational: _____ Commercial: _____

Hydraulic Fracturing: _____ Transport Outside of District: _____

Proposed depth: 1000 ft. Aquifer _____ Date drilling is scheduled to begin Upon Approval

Proposed casing size: 12 in. Proposed casing depth: 900 ft. Pump depth: 450 ft. Pump size _____ hp.

Type Pump: Turbine: _____ Submersible: X Windmill: _____ Other (specify): _____

Pump fuel or power source: Electricity: X Natural Gas: _____ Wind: _____ Other (specify): _____

Pump Bowls: Size _____ # of Stages: _____ Pump Column: Inside Diameter: 6 in. Length: 500 ft.

Pump discharge pipe: Size 6 in. Rated pump horsepower: 100 Pump Discharge: 550 gpm

Water bearing formation: _____

Estimated Annual Water Production: _____ Acre-Feet or 96,300,000 Gallons

If the water produced from this well will be used in whole or in part on property other than the property where the well is located, **describe the location where the water will be used.** Transportation of water produced and moved to another location may require a District Transportation Permit. See District Rules, Section 10 or contact the District office for information.

Water will be used to serve the residents of Waller County MUD No. 59. The District has begun construction.

BLUEBONNET GROUNDWATER CONSERVATION DISTRICT

Permit form approved on: _____

By: _____ Zach Holland, General Manger

(Continued) NON-EXEMPT WATER WELL DRILLING PERMIT FORM (Continued)

The following documentation, attachments and fee payments must accompany this form when it is submitted for consideration by the District.

- a. Plat or map showing location of the property and location on property of well for which form is submitted.
- b. If owner and/or operator of a well is different from property owner, provide written documentation from property owner authorizing construction and operation of this well.
- c. All the information and documentation required for the type and class of well for which authorization is requested by Section 8 of the District Rules and that information and documentation required by Rule 8.5.
- d. Forms for non-exempt well authorizations must be accompanied by the information required by Rule 8.5A1:
 - a. 8.5A1(e) – a statement of the projected effect of the proposed withdrawal on the aquifer or aquifer conditions, depletion, subsidence, or effects on existing permit holders or other groundwater users in the District;
 - b. 8.5A1(f) – the applicant’s water conservation plan or a declaration the applicant and subsequent user will comply with the District’s management plan;
 - c. 8.5A1(g)(2) – well construction diagram;
 - d. 8.5A1(g)(3) – a map showing the location of the proposed well or wells, all existing well, hydrologic features, and geologic features located within half (1/2) mile radius of the proposed well or wells site;
 - e. 8.5A1(h) – the applicant’s well closure plan or a declaration the applicant will comply with well plugging guidelines and report closure to the applicable authorities, including the District.
- e. Payment for applicable fees must accompany the form. Additional fees may apply as documented in the District’s adopted Fee Schedule.

Well Development Fee	\$75.00	
Operating Permit Application Fee	\$375.00	
Hydrogeologic Report Fee – applicable if well completed with eight (8) inches or greater inside casing diameter		
	Phase I-a Report (less than 200MG/yr)	Phase I-b Report (> 200MG/yr)
District Prepared Report	\$1,500.00	\$7,500.00
Applicant Prepared/District Review	\$500.00	\$1,500.00

- f. Forms for new non-exempt wells must be accompanied by an Operating Permit Application and, if appropriate, a Transport Permit Application.

I, the undersigned applicant, hereby agree and certify that:

- a. this well will be drilled within 30 feet of the location specified and not elsewhere;
- b. I will furnish the District with a copy of the completed driller’s log, any electric log, the well completion report, and any water quality test report within 60 days of completion of this well and prior to production of water there from (other than such production as may be necessary to the drilling and testing of such well);
- c. in using this well, I will avoid waste, achieve water conservation, protect groundwater quality and the water produced from this well will be for a beneficial use;
- d. I will comply with all District and State well plugging and capping guidelines in effect at the time of well closure;
- e. I agree to abide by the terms of the District Rules, the District Management Plan, and orders of the District Board of Directors currently in effect and as they may be modified, changed, and amended from time to time;
- f. I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

Signature: _____ Date: 08/08/2025

Printed Name: Jennifer Elms Title: Senior Project Manager

Bluebonnet Groundwater Conservation District

303 E. Washington Ave., P.O. Box 269

Navasota, TX 77868

Phone: 936-825-7303 Fax: 936-825-7331

Email: BGCD@bluebonnetgroundwater.org

BGCD Well ID #: _____

WELL OPERATING PERMIT APPLICATION

Please complete all questions. Please print or type information or place an "x" in the appropriate space.

Drill New Well: X Register an Existing Well: _____ Replace Existing Well: _____ Increase Size of Existing Well: _____

Increase Pump Size of Existing Well: _____ Abandon/Cap/Plug Existing Well: _____ Perform Dye Trace: _____

Well Owner CrestPoint Maple WC59, LLC Phone 713.494.4304Address 2000 Bering Drive, Suite 401 Houston, Texas 77057Fax: _____ Email: jim@crestpointtx.comDrilling Company To be determined Phone _____

Address _____

Fax: _____ Email: _____

Driller _____ License# _____

Well Location: County Waller 911 address of well site To be issuedLatitude 29.972 Longitude -95.9364Proposed Water Use: Public Water Supply: X Industrial: _____ Recreational: _____ Commercial: _____

Hydraulic Fracturing: _____ Transport Outside of District: _____

Status of well as of application date:

_____ Operating Well (Date drilled _____)

_____ Well Completed but not operating (Date Drilled _____)

X Well Development permit attached or awaiting approvalAuthorization to produce the following quantity of water annually from this well is: 96,300,000 Gallons

A well operating permit is normally issued for a period of one year (12 months). If a permit for a longer period of time is requested, attach a statement detailing the reasons for a longer permit period and the period of time requested.

If the water produced from this well will be used in whole or in part on property other than the property where the well is located, **describe the location where the water will be used.** Transportation of water produced and moved to another location may require a District Transportation Permit. See District Rules, Section 10 or contact the District office for information.

This well will serve as public water supply for the newly created Waller County MUD No. 59(FM 362 and Hoover Rd. in Waller County)**BLUEBONNET GROUNDWATER CONSERVATION DISTRICT**

Permit application approved on: _____

By: _____ Zach Holland, General Manger

(Continued) WELL OPERATING PERMIT APPLICATION (Continued)

The following documentation, attachments and fee payments must accompany this application when it is submitted for consideration by the District.

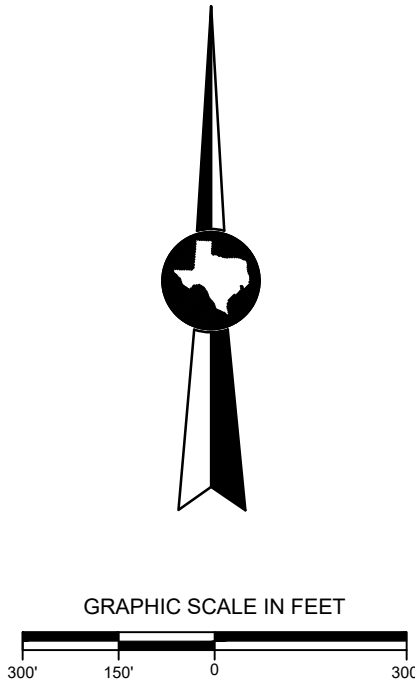
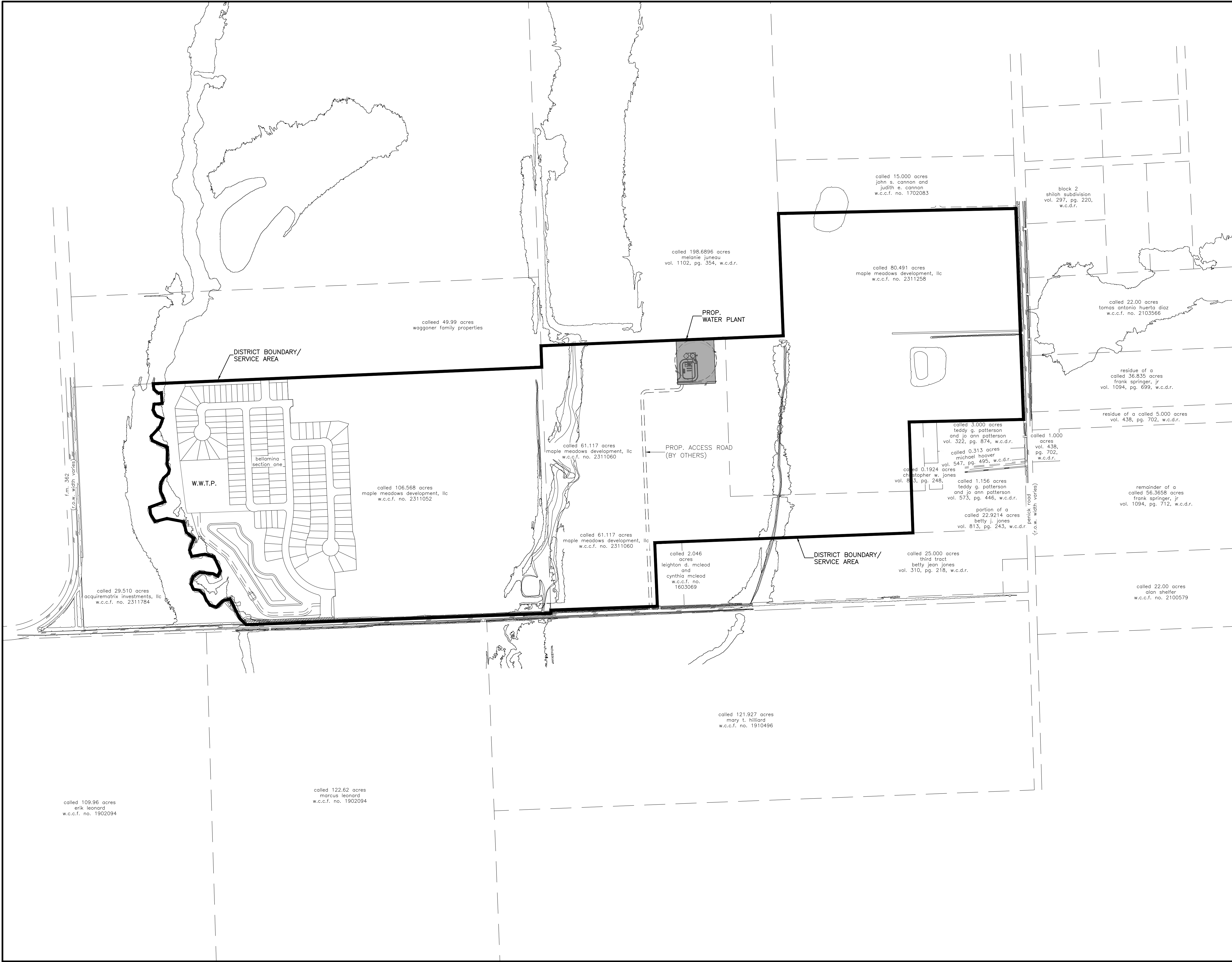
- a. Plat or map showing location of the property and location on property of well for which application is submitted.
- b. If the owner and/or the operator of well is different from the property owner, provide written documentation from the property owner authorizing construction and operation of this well.
- c. All the information and documentation required for the type and class of well for which authorization is requested by Section 8 of the District Rules and in particular that information and documentation required by Rule 8.5.
- d. If this permit application is for a well completed with an inside casing diameter of eight (8) inches or greater, or for any of the conditions enumerated in District Rule 8.5 F, a current hydrogeological report (a report completed within 18 months of the date of this application is considered current) shall be submitted with this application.
- e. Payment for applicable fees must accompany application. For a non-exempt well the appropriate Operating Permit Application Fee (\$375.00 + \$750.00 if inside casing diameter is eight (8) inches or greater) must be included.
- f. The applicant's water conservation plan and if any subsequent user of the water is a municipality or entity providing retail water services, the water conservation plan of that municipality or entity shall also be provided. In lieu of a water conservation plan, a declaration that the applicant and/or a subsequent user if any subsequent user is a municipality or entity providing retail water services will comply with the District Management Plan.
- g. The applicant's Drought Contingency Plan and a copy of any subsequent user's Drought Contingency Plan or a declaration that the applicant or a subsequent user will comply with District rules, policies and Board actions in drought conditions.

I, the undersigned applicant, hereby agree and certify that:

- a. in using this well, I will avoid waste, achieve water conservation, protect groundwater quality and the water produced from this well will be for a beneficial use;
- b. I will comply with all District and State well plugging and capping guidelines in effect at the time of well closure;
- c. I agree to abide by the terms of the District Rules, the District Management Plan and orders of the District Board of Directors currently in effect and as they may be modified, changed and amended from time to time;
- d. I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

Signature: _____ Date: 08/08/2025

Printed Name: Jennifer Elms Title: Senior Project Manager



BENCHMARK(S) / FLOODPLAIN

BENCHMARK:
SEE "BENCHMARK NOTES" ON PLAN SHEET 2 OF 19 FOR PROJECT BENCHMARK INFORMATION.

FLOODPLAIN:
PROJECT AREA IS LOCATED ON FEMA FIRM PANEL NUMBER 48473C0275E, EFFECTIVE FEBRUARY 18, 2009. BASED ON THE EFFECTIVE MAPS, THE PROJECT AREA IS LOCATED WITHIN UNSHADED ZONE X AND ZONE A, AN AREA DETERMINED TO BE OUTSIDE THE 1.0% ANNUAL CHANCE (100-YR) FLOODPLAIN.

APPR.	REVISION	DATE



2500 Tanglewilde Street, Suite 300
Houston, Texas 77063
t: 281.306.0240 | www.odysseyeg.com
TBPE No. F-17637

**FOR INTERIM REVIEW ONLY, NOT
INTENDED FOR PERMIT OR
CONSTRUCTION PURPOSES.**

**UNDER THE AUTHORITY OF:
JENNIFER L. ELMS, P.E. 93836**

**ISSUED ON:
June 30, 2025**

WALLER COUNTY, TX

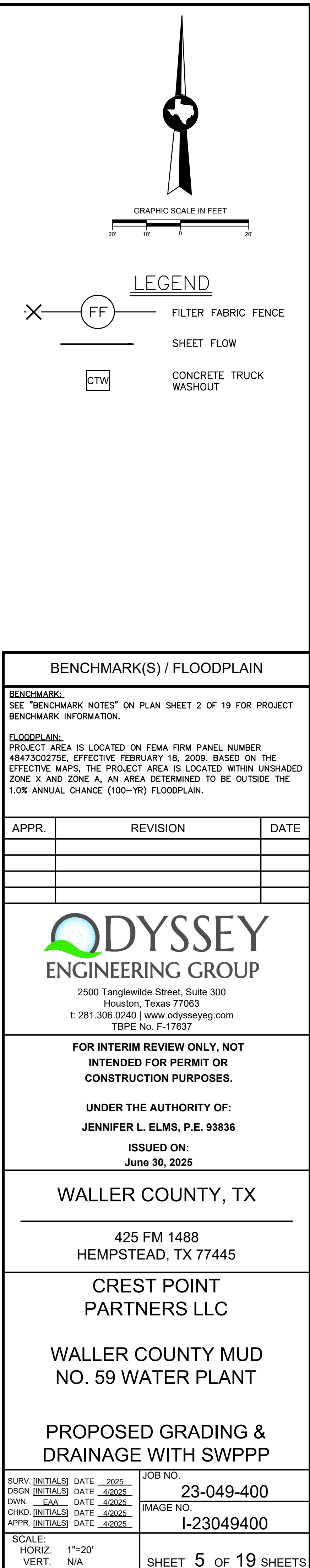
**425 FM 1488
HEMPSTEAD, TX 77445**

**CREST POINT
PARTNERS LLC**

**WALLER COUNTY MUD
NO. 59 WATER PLANT**

SERVICE AREA MAP

SURV. [INITIALS]	DATE	2025	JOB NO.	23-049-400
DSGN. [INITIALS]	DATE	4/2025	IMAGE NO.	I-23049400
DWN. [INITIALS]	DATE	4/2025		
CHKD. [INITIALS]	DATE	4/2025		
APPR. [INITIALS]	DATE	4/2025		
SCALE:				
HORIZ.	1" = 300'			
VERT.	N/A			



William R. Hutchison, Ph.D., P.E., P.G.
Independent Groundwater Consultant
909 Davy St.
Brenham, TX 77833
512-745-0599
billhutch@texasgw.com
www.texasgw.com

August 21, 2025

Mr. Zach Holland
General Manager
Bluebonnet Groundwater Conservation District
PO Box 269
Navasota, TX 77868-0269

RE: Phase I-a Report: Waller County MUD 59 Well 1

Dear Mr. Holland,

This letter represents the Phase I-a report for the Waller County MUD 59 Well 1 permit application that I received from you on August 15, 2025.

“Estimated Annual Water Production” is 96.3 million gallons per year, which is below the 200 million gallon per year threshold for Phase I of the permit application process. Therefore, the application requires the preparation of a Phase I-a analysis of potential drawdown.

Well Locations on HAGM Grid

The latitude and longitude data on the application were used to convert the location data to x- and y-coordinates in the GAM coordinate system using Surfer, a commercial gridding program. The FORTRAN program *PointRC.exe* was used to find the HAGM cell for those x- and y-coordinates. The results of this effort yielded that the well is in HAGM row 44, column 80.

The applications noted well depth of 1,000 feet, which would place the bottom of the well in the Evangeline Aquifer (HAGM layer 2).

Grid Parameters, HAGM Parameters, HAGM Results, Theis Parameters

The Excel spreadsheet named *BGCD Parameters.xlsx* contains the data needed for the review and Phase I-a calculations for cells designated in the four counties of the Bluebonnet Groundwater Conservation District. The data for row 44, column 80 were copied and transposed into the spreadsheet *Waller MUD 59 Phase I-a Tables.xlsx*. Results from the Chicot and Evangeline layers (except for the Theis Results) are summarized into four tables as follows:

- Table 1: Grid Parameters
- Table 2: HAGM Parameters
- Table 3: HAGM Results
- Table 4: Theis Parameters

Table 1. Grid Parameters for Waller County MUD 59

County Name	Waller	Waller
County Code	237	237
Outcrop Layer	1	1
Layer	1	2
Row	44	44
Column	80	80
x-coordinate (GAM-ft)	6206278.5	6206278.5
y-coordinate (GAM-ft)	19229248	19229248
Surface Elevation (ft MSL)	197	197
Cell Top Elevation (ft MSL)	197	43
Cell Bottom Elevation (ft MSL)	43	-1131
Cell Thickness (ft)	154	1174
Clay Thickness (ft)	82	639
Clay Thickness (% of Cell Thickness)	53.25	54.43

Table 2. HAGM Parameters for Waller County MUD 59

County Name	Waller	Waller
County Code	237	237
Outcrop Layer	1	1
Layer	1	2
Row	44	44
Column	80	80
Hydraulic Conductivity (ft/day)	17.38	1.90
Transmissivity (gpd/ft)	20,019	16,685
Leakage (1/day)	1.40E-05	6.20E-06
Storativity (dimensionless)	1.00E-01	3.60E-04
Elastic Storativity (dimensionless)	7.49E-05	1.11E-04
Inelastic Storativity (dimensionless)	7.49E-03	1.11E-02

Table 3. HAGM Results for Waller County MUD 59

County Name	Waller	Waller
County Code	237	237
Outcrop Layer	1	1
Layer	1	2
Row	44	44
Column	80	80
Groundwater Elevation in 2009 (ft MSL)	98	78
Groundwater Elevation in 2080 (ft MSL)	44	1
DFC Drawdown (ft)	54	76
Artesian Head (ft)	-99	35
Subsidence in 2009 (ft)	0.67	0.67
Subsidence in 2080 (ft)	1.86	1.86
Subsidence from 2009 to 2080 (ft)	1.19	1.19
Cell Pumping in 2009 (AF/yr)	0	50.69
Cell Pumping in 2080 (AF/yr)	0	38.63

Table 4. Theis Parameters for Waller County MUD 59

County Name	Waller
County Code	237
Outcrop Layer	1
Layer	2
Row	44
Column	80
Drawdown in Production Well at 100 gpm for 36 hours	12.53
Drawdown 1/2 mile from Production Well at 100 gpm for 36 hours	0.88
Drawdown 1/2 miles from Production Well at 100 gpm for 1 year	4.53
Drawdown-Pumping Ratio for Production Well for 36 hours	0.12528
Drawdown-Pumping Ratio for 1/2 mile from Production Well for 36 hours	0.00879
Drawdown-Pumping Ratio for 1/2 mile from Production Well for 1 yr	0.04528

Theis Equation Calculations

Groundwater production data from the permit applications were used along with the drawdown-pumping ratios contained in Table 4 to develop three estimates of drawdown for each well:

- Scenario 1: drawdown in the production well after 36-hours of pumping at three times the average annual pumping rate

- Scenario 2: drawdown in a well ½ mile from the production well after 36 hours of pumping at three times the annual pumping rate
- Scenario 3: drawdown in a well ½ mile from the production well after one year at the average pumping rate.

Results of these calculations are presented in Table 5.

Table 5. Theis Results for Waller County MUD 59

Production Summary	Value
Annual Permit Production Limit (gallons)	96,300,000
Annual Permit Production Limit (acre-feet)	296
Average Pumping Rate (gpm)	183
Average Pumping Rate (cfd)	35,272
3X Average Pumping Rate (gpm)	550
Permit Capacity Rate (gpm)	500

Jasper		
Drawdown Calculations	Drawdown-Pumping Ratios	Calculated Drawdown (ft)
Production Well - 36 hours (3X avg pumping)	0.12528	68.86
1/2 mile from Production Well - 36 hours (3X avg pumping)	0.00879	4.83
1/2 mile from Production Well - one year (avg pumping)	0.04528	8.30

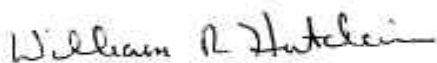
These data represent the best integrated data of the area from a regional perspective. The local-scale data will be developed as part of the Phase II investigation. This will include more site-specific information and data on aquifer depth, clay content, and aquifer parameters calculated from the 36-hour pumping test.

Recommendation

Based on the results of the Phase I-a report, the application should be approved, and the Phase II investigation should proceed to verify the Phase I-a estimates related to the aquifer (e.g. clay content) and related to aquifer performance (e.g. drawdown at the end of the 36-hour pumping test and aquifer transmissivity).

I appreciate the opportunity to work with you on this effort. Please call me at 512-745-0599 or email me at billhutch@texasgw.com if you have any questions.

Sincerely,



William R. Hutchison, Ph.D., P.E., P.G.