

Permit Hearing - Item #9a
Lake Thomas RV Resort

CUWCD Executive Summary

Staff Report
Application for Drilling Permit
N3-24-002P



Applicant/Owner: Seven Custom Homes
c/o William Gamblin, P.E.
19125 Adrian Way
Jonestown, TX 78645 Phone: 512-851-8740

Location of Wells:

Location description: The proposed Drilling Permit is for one public water supply well to serve a future new RV Resort on a 33-acre tract, off Lower Troy Road and HK Dodgen Loop between the cities of Temple and Troy.

Management Zone: Eastern Management Zone

Well #1: (N3-24-002P) Latitude 31.140158° Longitude -97.316438°

<p>Proposed Annual Withdrawal:</p> <p>Well #1: Initial Rate: 150-gpm Column Pipe: 4-inch Horsepower Rating: 50</p> <p>Proposed Withdrawal:</p> <p>Well #N3-24-002P Proposed Production: 16.8 acre-feet/year or 5,474,297 gallons/year</p> <p><i>No production can be authorized with this application, per District Rules 6.9.1 & 6.9.2, until all special conditions are met, and operating permits are presented to the District at a later date pursuant to all future prescribed public hearings.</i></p>	<p>Proposed Beneficial Use</p> <p>Public Water Supply System for Lake Thomas RV Resort</p> <p>Development:</p> <p>250 RV connections</p> <p>50 gallons per day per connection</p>	<p>Source Aquifer:</p> <p>Hosston Layer of the Trinity Aquifer (Lower)</p>	<p>Nearest Registered & Existing Wells:</p> <p>Well #N3-24-002P has 3 wells within ½ mile.</p> <p>3-Austin Chalk 0-Upper Trinity 0- Middle Trinity 0- Edwards BFZ</p>
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General Information

William Gamblin, Gamblin Engineering Group LLC, on behalf of David Lyne, owner of the proposed Lake Thomas RV Resort, has submitted an application to the Clearwater Underground Water Conservation District (CUWCD) on February 20, 2024, for a drilling permit to complete a new well (N3-24-002P) for a proposed future operating permit of 16.8 acre-feet/year or 5,474,297 gallons/year.

This permit will only authorize the drilling and completion of a public water supply well in the Lower Trinity Aquifer (Hosston Layer) in the Eastern Management Zone with a maximum 4-inch column pipe, not to exceed 150-gpm, on a 33-acre tract located in northeastern Bell County near Lower Troy Rd. and HK Dodgen Loop between Temple and Troy, Texas, Latitude 31.140158°/Longitude -97.316438° (well# N3-24-002P).

This well application states they will need to produce groundwater for a TCEQ-approved public water supply system in the proposed RV park. Prior to drilling of the well the TCEQ approval will be sent to the district. Upon completion of the well, a formal well completion report must be submitted to CUWCD to support a future operating permit.

This drilling permit will not authorize any production of groundwater other than what is necessary for the prescribed aquifer pumping test.

Per Rules 6.9 and 6.10

In deciding whether or not to issue a permit, the Board must consider the following:

- 1) **Does the application contain all the information requested, is the application accurate? Does it meet spacing and production limitations identified by District Rules, and does it conform to all application requirements which include public notification and accompanied by the prescribed fees? TWC 36.116(a)(1), TWC 36.113(d)(1), Rule 6.9.1(a)(b)(1)(2), Rule 6.9.2(a)-(f), Rule 6.10.24(a)(b), and Rule 9.5.1-2.**

The application has been deemed administratively complete and the requested information necessary to proceed is as follows:

- The application does meet the tract size requirements (minimum of 20 acres) associated with district Rule 9.5.2 for wells completed to the Lower Trinity with a maximum 4-inch column pipe in the Eastern Management Zone.
- This applicant demonstrated (letter submitted) that they have attempted to attain public water meters from the Little Elm Valley WSC c/o Robert Jekel and have been denied the request for two meters. Testimony to verify this denial is required at the public hearing.
- The application fee of \$577.00 for the drilling permit has been received.
- The applicant and their representative have conducted all notification requirements in a proper manner per District Rules.

- 2) **Is the proposed use of water dedicated to a beneficial use? (TWC 36.113(d)(3), District Rule 6.10.24(d), and District Rule 9.5.2 authority to serve as a public water supply per PUC and TCEQ requirements.**

The proposed production of groundwater is for public water supply and is deemed a “beneficial use” if the applicant can demonstrate they have full authority as a public water supply for the 33-acre tract. TCEQ design and authority as a public water supply must be attained prior to drilling the proposed well. The applicant must also construct the wells in a manner preapproved by TCEQ for public water supply.

3) Has the applicant agreed to avoid waste and achieve water conservation? (TWC 36.113(d)(6) and Rule 6.10.24(f))

The applicant *should testify* they understand per District Rule 6.10.24(f) that by signing the application form the applicant and their representative agreed to and states they will comply with the District’s Management Plan and District Rules in effect on October 11, 2023.

The applicant or his representative should testify to the importance of water conservation measures. The district hopes that the applicant states in testimony they do not intend to utilize the groundwater for extensive landscape purposes and agrees to describe that their use of the groundwater will not be deemed a waste in landscape applications.

4) Has the applicant agreed that reasonable diligence will be used to protect groundwater quality and that the applicant will follow well plugging guidelines at the time of well closure? (TWC 36.113(d)(7) and Rule 6.10.24(g)) and Rule 9.3.1 Special Standards of Completion for wells in TX Grid 58-03-06 related to Glen Rose Layer head pressure and injurious water concerns.

The applicant (*by signing the application form*) should offer testimony that if the well deteriorates over time or becomes damaged in such a way that the well is inoperable, state law and district rules require such a well to be plugged before a replacement well can be drilled.

5) Will the proposed water well comply with the spacing and production limitations identified in our rules? (TWC 36.116(a)(1-2), TWC 36.116(c)&(d) and Rule 6.10.24(b)), Rule 7.1 and Rule 9.5.2.

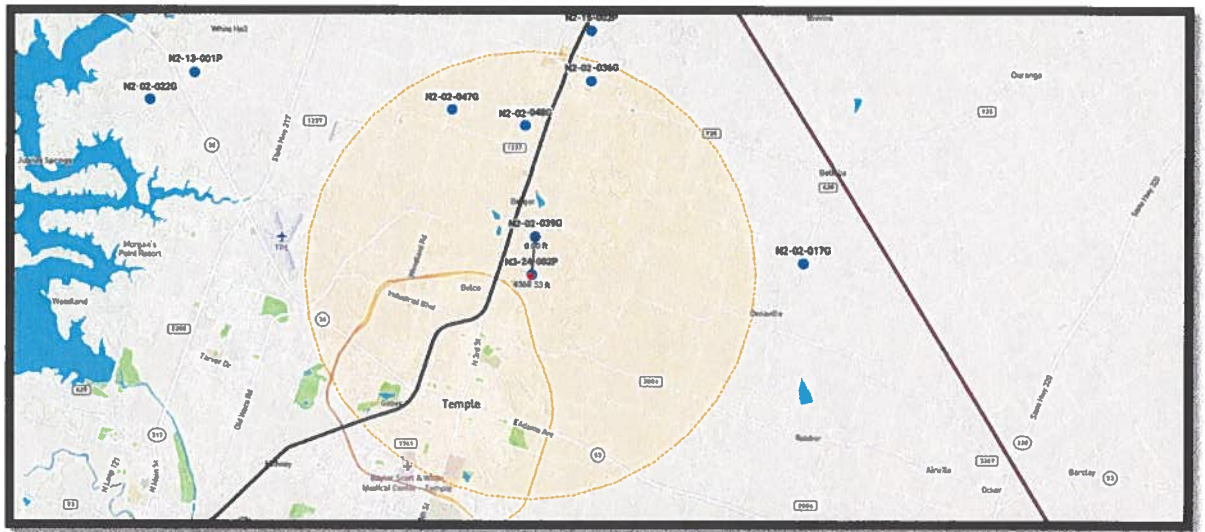
The proposed well is located in the *Eastern Management Zone* described in *District Rule 7.1* and will have a maximum column pipe size not to exceed 4-inches as declared in the applications. If the future operating permit applications for an operating permit, supported by known aquifer conditions affording the applicant improved conditions, they may pursue a maximum column pipe size not to exceed 6-inches because the tract of land exceeds the 30-acres of land necessary for the larger column pipe size.

Based on column pipe size, a minimum size tract of 30-acres is required, with a 1,320-foot spacing requirement from other wells completed to the same layer of the Trinity Aquifer. The 75-foot setback requirement from adjacent property lines be met for this proposed well. Note the parcel of land is 33-acres and has not been formally subdivided into small tracts.

Per District Rule 9.5.2, as it relates to Spacing and Tract Size Requirements, the applicant or their representative must testify that they will adhere to all spacing requirements.

The figure below illustrates that we have four active public water supply wells within a five-mile radius, and the closest active Lower Trinity well is owned by Little Elm WSC and is approximately 4,569 feet from the proposed well.

The district's rules require that we impose a production limit based on acre-feet/year and described gallons/year. The proposed amount has been determined by the applicant for this review of the drilling permit is for no more than:



16.8 acre-feet/year or 5,474,297 gallons/year

The applicant and/or their representative need to understand that the district will only deliberate on the future operating permits for groundwater production and those deliberations will be based on the elements of the future Operating Permit Application and the required Well Completion Report per

District Rule 6.9.2(e)(2)(3)&(f) require the following:

Operating Permit Applications:

- Requests to Operate a Non-exempt annual maximum permitted use of 5 acre-feet or more; or
- Requests to modify to increase production or production capacity of a Public Water Supply, Municipal, Commercial, Industrial, Agricultural, or Irrigation Well if such increase is 5 acre-feet or more per year and/or the Board determines that such report is warranted based on aquifer conditions, type of modification, status of adjacent Wells, local water use trends, and other aquifer management considerations.

Well Completion Reports shall include:

- 1) A lithology log based on the cuttings collected during Drilling.

- 2) For a new well, chip trays containing samples of the formation cuttings collected during Drilling with depth intervals for each sample clearly marked.
- 3) Geophysical log with the Well name, location, depth, and Drilling fluid properties recorded on the log header.
- 4) Well completion diagram identifying (as applicable) the open and cased intervals, casing and screen type and size, filter pack interval, cement interval, pump and motor (model number, pump bowls, horsepower, etc.), pump setting, column pipe type and size, pump head, and other pertinent information related to the Well construction.
- 5) Pump curve for the final or proposed pump.
- 6) Data and analysis from a minimum 24-hour pumping test.
- 7) Water quality analysis results from a NELAP certified laboratory; and
- 8) Predicted impacts of the proposed production from the Well,

If the proposed future operating permits cause an unacceptable level of decline in the water quality of the aquifer and/or artesian pressure, then the board may require production at levels necessary to reduce said depletion or degradation of the aquifer.

In addition, the Board may reduce production necessary to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or the reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence.

More specifically these issues are considered in Items 6 & 7 below and with staff recommendations to address potential concerns of adjacent property owners and well owners within the potential radius of influence from future production.

6) Will the proposed use of water unreasonably affect existing groundwater and surface water resources or existing permit holders?

Based upon available information, there are the following number of wells as defined for domestic & Livestock use and completed, and active from the Austin Chalk minor formation.

3 wells are within ½ mile radius of the proposed well,
3-Austin Chalk/Shallow Minor Formation
0-Upper Trinity (Glen Rose)
0-Middle Trinity (Hensell)
0-Edwards BFZ (Hosston)

Mike Keester, KT Groundwater, has reviewed the application, determined the anticipated drawdown, and provided the *attached MK report*.

Keester states in his conclusions and recommendations the following:

“There is only one reported Lower Trinity Aquifer well within 2 miles of the proposed well. Based on our current understanding of the local Lower Trinity Aquifer, we expect less than 1 foot of drawdown in N2-02-039G due to the proposed annual production

with about 3 feet of drawdown due to the instantaneous rate after 24 hours of pumping. Due to the limited number of Lower Trinity monitoring wells in the region, additional water-level monitoring will aid in assessing the long-term effects of cumulative groundwater production in the area and informing local users of the groundwater availability. However, based on our current understanding of the local aquifer conditions, the proposed well will not inhibit the ability of other user to access groundwater from the Lower Trinity Aquifer.”

Additionally, the District, to the extent possible, must issue permits up to the point the total volume of exempt and permitted groundwater production will achieve the applicable Desired Future Condition (DFC) per **TWC 36.1132(a)(b) and Rule 6.10.25(a)(b)(c)(d)(e)**.

7) Is the proposed use of groundwater consistent with the District’s Groundwater Water Management Plan related to the approved DFC and the defined available groundwater for permitting?

The District’s Management Plan reflects a groundwater availability figure in the Lower (Hosston Layer) Trinity Aquifer of **7,900 ac-ft/year Modeled Available Groundwater** (then reserve 178 ac-ft/year for exempt well use) thus **7,722 ac-ft/year is the Managed Available Groundwater for permitting established by the district.**

The Board, per the District Management Plan, has evaluated groundwater available for permitting the Lower Trinity Aquifer and most recently evaluated the available groundwater for permitting (*consistent with the management plan as stated on pages 9-10*).

The requested permit amount relative to the modeled available groundwater MAG determined by the Texas Water Development Board (TWDB) based on the desired future conditions (DFCs) established by the District for the Lower Trinity Aquifer was set by CUWCD based on 330-ft of drawdown over 60-yrs. This was reviewed and again approved by the board in January 2022. To achieve this DFC, the TWDB used a model that indicated the MAG was equal to 7,900 acre-feet per year from the Lower Trinity.

A summary of YTD 2023 permit production, HEUP & OP Permit Analysis, pending applications, issued drilling permits and *Exempt Well Reservations for the Lower Trinity, per District Report illustrates current Lower Trinity Aquifer permits total 5,059.31 ac-ft/year. Currently, the District has no other pending permits, thus available for permitting is only 2,840.69 ac-ft/year. (*See attached Lower Trinity Aquifer Status Report, (March 11, 2024)*).

8) What are the Modeled Available Groundwater calculations determined by the Executive Administrator of the Texas Water Development Board?

Refer to #7 above. The modeled available groundwater will not be exceeded by granting this permit. (*See attached Lower Trinity Aquifer Status Report, March 11, 2024*).

- 9) **What has the Executive Administrator of the Texas Water Development Board’s estimate of the current and projected amount of groundwater produced under the exemptions in District Rule 6.3?**

Refer to #7 above. Reservation of Modeled available groundwater for **exempt well** use will not be exceeded by granting this permit. 178 ac-ft/year vs 60 ac-ft estimated to be used annually from the *Lower Trinity*. (*See 2023 district exempt use report*).

- 10) **What is the amount of groundwater authorized under permits previously issued by the District?**

Refer to #7 above. Existing permits do not exceed the managed available groundwater (*modeled available groundwater – reserved exempt well use = Managed Available Groundwater*) for the Lower Trinity Aquifer which is 7,722 ac-ft per year.

- 11) **What is the reasonable estimate of the amount of groundwater that is produced annually under existing non-exempt permits issued by the District?**

The total permitted amounts for non-exempt wells in the Lower Trinity Aquifer in 2023 was **4,506.39 ac-feet/yr.** and the actual production in 2023 was **1,860.31 ac-ft/yr.** (**41%**) of the permitted amount. (*Figures are based upon monthly production reports submitted to Clearwater by the permit holders in 2023*).

- 12) **Yearly precipitation and production patterns.**

Clearwater is currently in “No Drought” based on the PDI system (average running total annual rainfall) as of April 2, 2024. The PDI for the Trinity Aquifer in the District is currently at **32.369** inches of rain received in the last 365 days (as of 4/2/2024) thus **98.09%** of annual expected rainfall of 33 inches. The Trinity Aquifer permit holders in all of 2023 have used **37%** of the total permitted amounts in the Aquifer. Permit holders did not exceed their total permitted amounts in 2020, 2021, 2022, and 2023.

The gravity of the current drought is reminiscent of the epic drought of 2011-2013, the significant drought in 2018, 2020, and again in 2022-23. The current drought trends do necessitate the need for all permit applications to be evaluated based on conservative needs and usage that are not contradicted by the current trends and the need for voluntary drought contingency relationships with permit holders.

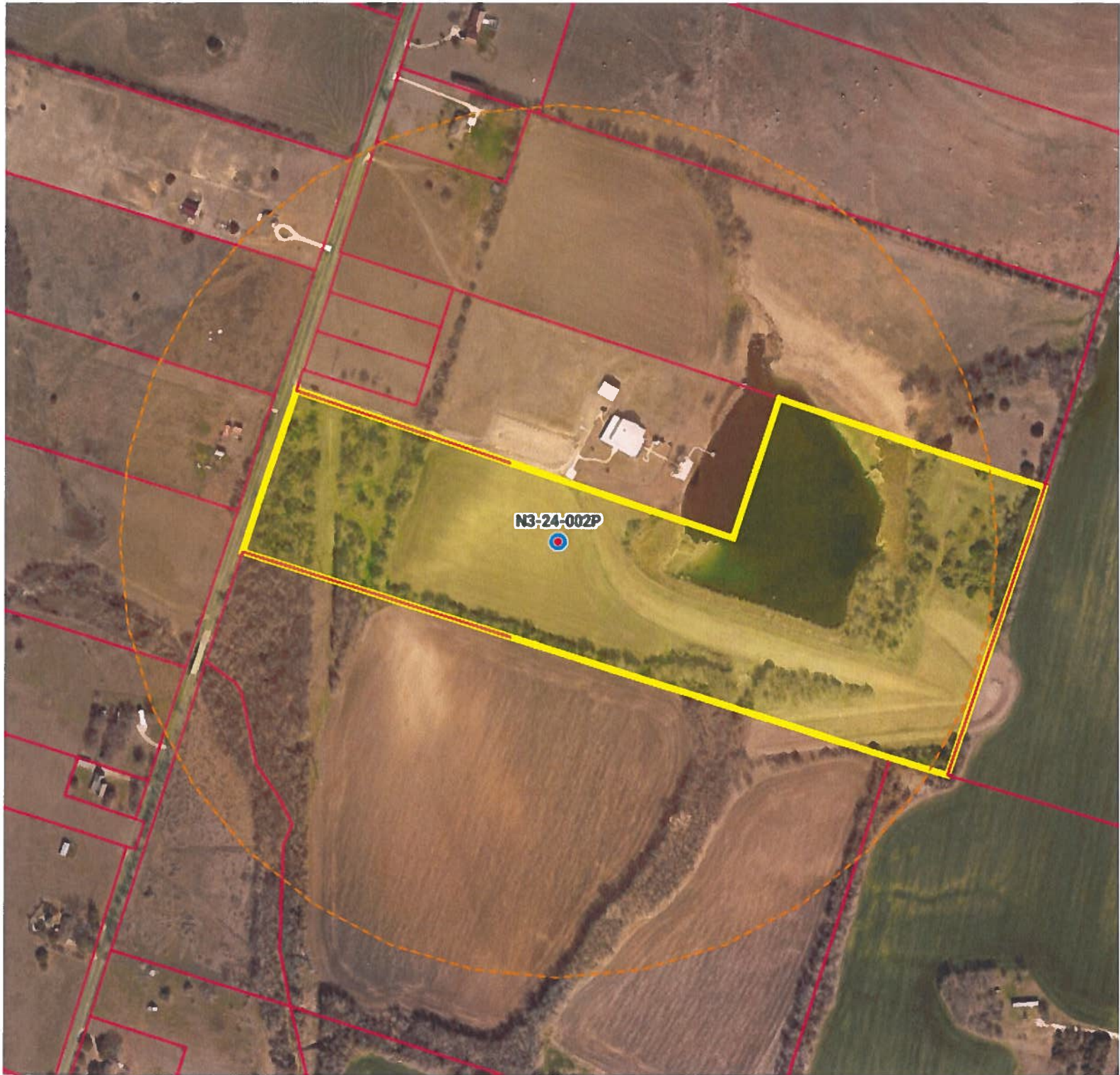
The applicant should agree to take extreme conservation strategies to increase efficient and conservative groundwater use by the RV resort. Testimony as to their planned Direct Reuse of wastewater for landscape needs by their on-site system for each lot in the RV resort and their commitment to not use groundwater for extensive landscape would help the district and provide a positive precedent of groundwater conservation preferred by the district.

Conclusions and Recommendations:

- 1) District GM recommends that the Board approve the drilling permit for the well for future public water supply contingent upon approval by TCEQ for construction as a public water supply well. No groundwater production is allowed under this drilling permit other than that necessary for the completion of the well and the prescribed aquifer test (*Well Completion Report*)
- 2) District GM recommends that the following special conditions for the well be completed prior to drilling and completion of the well:
 - Well design must be approved by TCEQ under their statutory authority. Documentation to the District by TCEQ is required before drilling commences. *“As-Built” requests of TCEQ for an already constructed well is not sufficient nor should the district agree to this strategy.*
 - The District is to be notified before any drilling commences on the proposed site.
 - To assess actual changes in water levels due to pumping from the proposed well and regional water level declines, the pump installer shall install a measuring tube alongside the column pipe to allow for monthly or continuous measurement system of the water level using an e-line or other direct measurement method as needed by District Staff.
 - The District requires that the pump installer shall install a metering device for future monthly online reporting of production to confirm the applicant does not utilize the groundwater beyond the current needs for the aquifer testing per District Rule 6.9.2(f)(1-8) prior to submitting the well completion report with the prescribed operating permit application for an amount to be approved in the future.
 - For the Well Completion Report:
 - The geophysical log should include, at a minimum, gamma ray, spontaneous potential, resistivity, and borehole deviation of the open borehole. Provide a copy of the log in digital format (TIF and/or PDF) along with the log data in LAS format.
 - Lithologic samples should be collected at no more than 20-foot intervals.
 - The pumping test should be consistent with Texas Commission on Environmental Quality requirements for public water supply wells.
 - The water quality analysis should be consistent with Texas Commission on Environmental Quality requirements for public water supply wells with the inclusion of Ca, Mg, Na, K, Cl, HCO₃, SO₄, SiO₂, and total dissolved solids along with field measurements of pH and temperature at the time of sample collection.

Attachments are as follows:

<i>Keester PG Technical Memorandum</i>	<i>04/03/2024</i>
<i>CUWCD Trinity Aquifer Status Report</i>	<i>03/11/2024</i>
<i>CUWCD 2023 Exempt Well Estimate of Use Report</i>	<i>12/31/2023</i>
<i>CUWCD Site Maps</i>	<i>See Attached</i>
<i>Applications, Fees, and Notification Affidavits</i>	<i>See Attached</i>



N3-24-002P

Trinity Aquifer Status Report – March 2024

<u>DFC Analysis Over Time</u> (2000-Present) <i>Modeled Available Groundwater</i>			<u>HEUP and OP Permit Analysis</u> <i>Relative to the Modeled Available Groundwater</i>			<u>2024 YTD</u> <u>Total Prod.</u> <i>Jan - Feb</i> 128.68 ac-ft 4.62%		<u>Pending Applications</u>		<u>Exempt Well Reservations</u>		
Trinity Aquifer (by layer)	DFC Adopted * Average Drawdown (by layer)	MAG ** Ac-ft	HEUP Ac-ft (by layer)	OP Ac-ft (by layer)	Total Permitted Ac-ft (by layer)	2023 YTD Prod. (by layer)	2024 YTD Prod. (by layer)	Available for Permitting Ac-ft (by layer)	Pending Applications Ac-ft (by layer)	Exempt Well Reserve Ac-ft (by layer)	2023 Exempt Well Use Estimate Ac-ft (by layer)	Available Exempt Use Ac-ft (by layer)
	Current											
Pawluxy	NA	0	0	0	0	0	0	0	0			0
Glen Rose (upper)	-1.38 ft/yr -83 ft/60 yrs	275	61.9	72.73	134.63	35.94	0.82	0	0	140.37	190	0
Hensell (middle)	-2.28 ft/yr -137 ft/60 yrs	1100	259.3	208.44	467.74	44.70	5.37	84.26	0	548	534	14
Hosston (lower)	-5.50 ft/yr -330 ft/60 yrs	7900	1181.4	3324.99	4506.39	1860.31	229.84	3215.61	***552.80	178	60	118
Total		9275	1502.6	3606.16	5108.76	1940.95 (37.99%)	236.02 (4.62%)	3299.75	552.92	866.37	784	132

*Desired Future Conditions (DFC) is the description of how the aquifer should look in the future (60 years).

**The Modeled Available Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater UWCD by the Executive Administrator of TWDB.

***Pending applications

City of Temple N3-23-004P (239 ac-ft/yr)

UMHB N3-23-005P (64 ac-ft/yr)

Mustang Springs N3-23-010P & N3-23-011P (249.8 ac-ft/yr)

NS Retail Holdings, LLC N3-24-001P (0.12 ac-ft/yr)



CUWCD Exempt Well Use Summary

As of: 2/12/2024

Aquifer	Total Active Registered Exempt Wells ³	Registered Domestic Wells	Estimated Domestic Use Gallons/Day ^{1,2}	Estimated Domestic Use Ac-ft/Year ^{1,2}	Registered Stock Wells	Estimated Stock Use Gallons/Day ⁴	Estimated Stock Use Ac-ft/Year ⁴	Total Estimated Use Gallons/Day ⁷	Total Estimated Exempt Well Use Ac-ft/Year ⁷	MAG Reserved Exempt Well Use
Glen Rose (Upper Trinity)	428	350	102,396	115	78	67,392	75	169,788	190	
Hensell (Middle Trinity)	993	931	423,297	474	62	53,568	60	476,865	534	
Hosston (Lower Trinity)	162	151	44,177	49	11	9,504	11	53,681	60	
Trinity (Total) ⁵	1,583	1,432	569,870	638	151	130,464	146	700,334	784	1,419
Edwards BFZ	855	723	211,521	237	132	114,048	128	325,569	365	825
Edwards Equivalent	485	386	112,928	126	99	85,536	96	198,464	222	
Buda	28	15	4,388	5	13	11,232	13	15,620	17	
Lake Waco	8	3	878	1	5	4,320	5	5,198	6	
Austin Chalk	226	141	41,251	46	85	73,440	82	114,691	128	
Ozan	161	114	33,352	37	47	40,608	45	73,960	83	
Pecan Gap	67	44	12,873	14	23	19,872	22	32,745	37	
Kemp	15	11	3,218	4	4	3,456	4	6,674	7	
Alluvium	585	377	110,295	124	208	179,712	201	290,007	325	
Other ⁷	1,575	1,091	319,183	358	484	418,176	468	737,359	826	
CUWCD Total Active	4,013	3,246	1,100,574	1,233	767	662,688	742	1,763,262	1,975	

- Domestic use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019)
- Benjamin G. Wherley, Ph.D. Associate Professor- Turfgrass Science & Ecology Dept. of Soil and Crop Sciences Texas A&M University estimate of 2,000ft² warm season turfgrass requires 38,855gal/yr/lawn or 106gal/day/lawn; "Ranchette" Avg. lawn size is 13,042ft², 6.5X larger; 6.5 X 106gal/day/lawn= 689gal/day/lawn; ~217 "Ranchette" Middle Trinity Wells; 689 X 217=an additional 150,924gal/day/lawn; **490ac-ft/yr or an 89% increase in Middle Trinity exempt well use from the 2018 estimate of 258ac-ft/yr.**
- Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.
- Source of stock water estimates is Texas Agrilife Extension @ 18 gallons water per day per cow. Livestock water use estimates are based on the 2017 Census of Agriculture, USDA National Agricultural Statistics Service. 36,868 cows / 771 stock wells= 48 cows/stock well; 48* 18gpd= 846 gal/day/stock well, **747ac-ft/yr or a 34% increase in annual stock use from the 2018 estimate of 556ac-ft/yr.**
- The "Other" designation is the total of minor aquifer and alluvium source designation of the exempt wells.
- Trinity Aquifer wells registered with unknown depth are assigned to the Middle Trinity per Board decision.
- All estimates of groundwater use by exempt well owners is based on assumptions and scientific data, but by no means are they to be interpreted as recommended practices by CUWCD.

**KT Groundwater
Technical Memorandum**



2804 Paradise Ridge Cove
Round Rock, Texas 78665
(512) 621-7237
KTGroundwater.com
TBPG Firm No. 50705

Technical Memorandum

To: Mr. Dirk Aaron, General Manager –
Clearwater Underground Water Conservation District

From: Michael R. Keester, P.G.

Date: April 3, 2024

Subject: Hydrogeologic Evaluation of the Lake Thomas RV Resort Well (N3-24-002P)
Drilling Permit Application

Proposed Well ID: *N3-24-002P*

Well Owner Name: *David Lyne*

Tract Size: *33 Acres*

Column Pipe Size: *4 inches*

Aquifer: *Lower Trinity*

Management Zone: *Eastern*

Proposed Annual Production: *16.8 Acre-Feet per Year (5,474,297 gallons per year)*

Proposed Instantaneous Pumping Rate: *150 Gallons per Minute*

According to information provided by the applicant's engineer, the proposed well is intended to serve as a Public Water Supply to an RV Park consisting of 250 RV lots. Based on the number of units and the Texas Commission on Environmental Quality requirement of 0.6 gallons per minute (gpm) of capacity per unit, the well is designed to produce at an instantaneous rate of 150 gpm. The applicant's engineer also indicated an anticipated annual production of 16.8 acre-feet per year assuming 50 gallons per RV lot per day with an additional 2.8 acre-feet per year for incidental usage.

The identified source for the proposed use is the Lower Trinity Aquifer in the Eastern Management Zone. The application indicates the driller will screen the well from 1,775 to 1,975 feet below ground level. The CUWCD virtual bore indicates the Lower Trinity is about 1,775 feet below ground level and about 200 feet thick. Site specific conditions encountered while drilling will determine the final design of the well and completion interval. We recommend conducting geophysical logging of the open borehole (including: natural gamma, resistivity, spontaneous potential, and borehole deviation) for accurate delineation of the subsurface geologic units.

Based on data from District monitoring well N2-03-001G located about 5 miles south of the proposed well and the CUWCD Aquifer Data Analysis Tool, the depth to water in the Lower

Trinity is currently about 440 feet below ground level and is declining by about 5.4 feet per year at the proposed well site. These data indicate water levels are currently more than 1,300 feet above the top of the aquifer with regional water level decline of 50 to 60 feet per decade. The applicant anticipates completing the proposed well to the bottom of the Lower Trinity and setting the pump at approximately 650 feet below ground level providing for more than 200 feet of submergence. The proposed pump setting should provide sufficient submergence for several years under current conditions.

Projected Effect on Existing Wells

The potential effects of the proposed production on local water levels in the aquifer are calculated using the Theis equation¹ which relates water level decline (that is, drawdown) to the pumping rate of a well and properties of the aquifer. While the equation does not account for aquifer conditions which may affect the calculation of long-term water level declines (for example: aquifer recharge, faulting, or changes in aquifer structure), it does provide a very good, reliable, and straightforward method for estimating relatively short-term drawdown in and near a well due to pumping. To assess the potential effects from the proposed production, the equation uses values from the Clearwater Groundwater Management Model (CGMM)².

The CGMM indicates at the proposed wellsite the Lower Trinity Aquifer transmissivity is about 15,700 gallons per day per foot (gpd/ft) with a storage coefficient of 0.0000262. We used these values to assess the potential drawdown at the proposed well and at the existing Lower Trinity well located nearly one mile from the proposed well (Figure 1).

Table 1 Table 1 presents the calculated drawdown at the proposed well and the nearby well completed in the same aquifer. For 1-Day Drawdown, we applied the proposed instantaneous pumping rate for a period of 24 hours. For 30-Day Drawdown, we assumed peak pumping during the summer of about 15 percent more than the average monthly amount (that is, the proposed annual production rate divided by 12 then multiplied by 1.15). For 1-Year Drawdown, we used the proposed annual production amount.

¹ Theis, C.V., 1935, The Relation Between the Lowering of the Piezometric Surface and the Rate and Duration of Discharge of a Well Using Ground-Water Storage: American Geophysical Union Transactions, v. 16, p. 519-524.

² Keester, Michael R.; Webster, Philip; Beach, James; Chen, Ye Hong, 2023, Clearwater Groundwater Management Model, Report prepared for the Clearwater Underground Water Conservation District, 56 p.



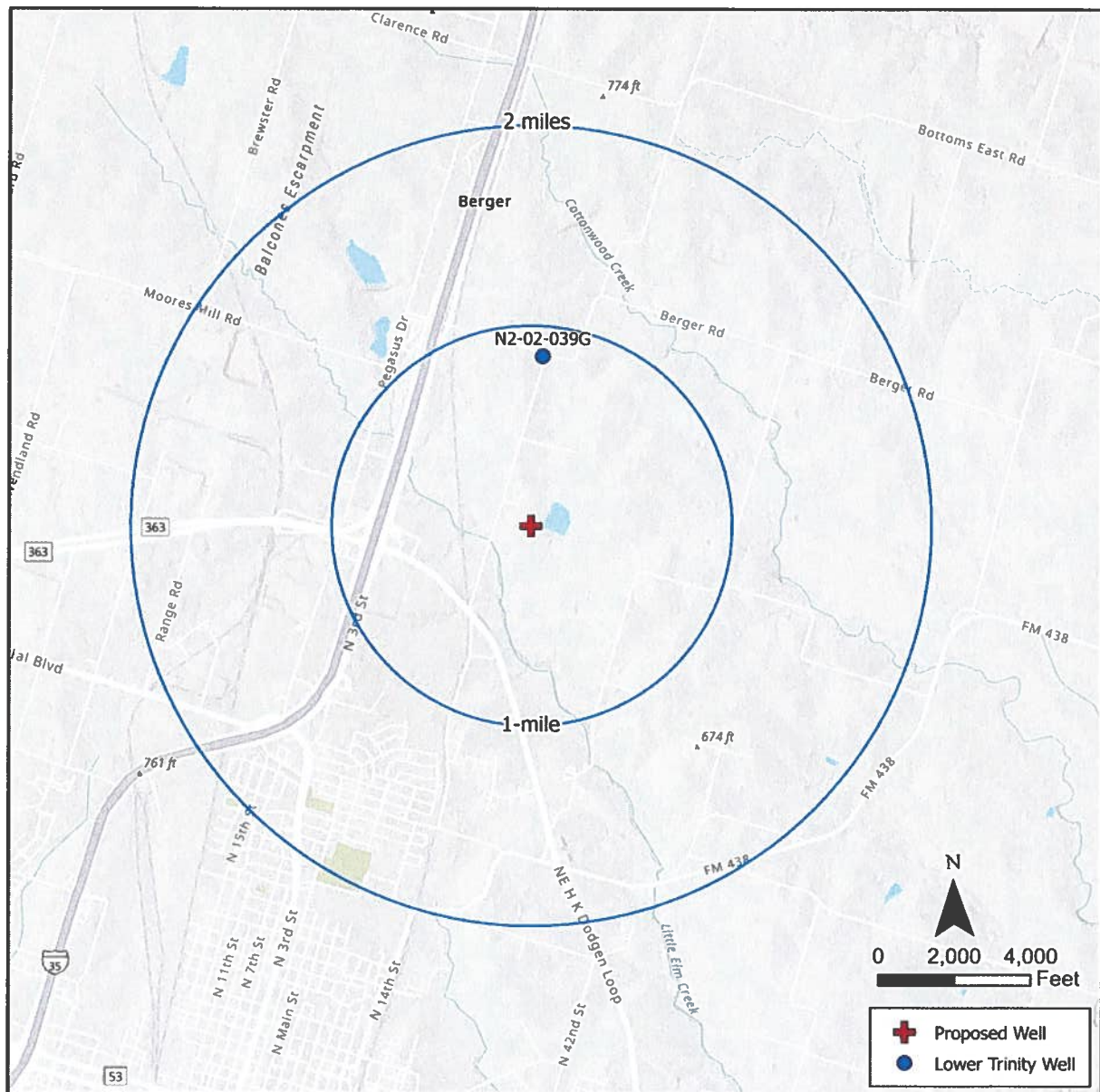


Figure 1. Proposed well and existing Lower Trinity well.



Table 1. Calculated drawdown at the proposed well and nearby Lower Trinity well based on an annual production rate of 16.8 acre-feet per year from the proposed well and instantaneous production of 150 gallons per minute.

CUWCD Well ID	Distance from Proposed Well (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
N3-24-002P (Proposed)	—	21	2	2
N2-02-039G	4,385	3	<i>negligible</i>	<i>negligible</i>

The predicted drawdown presented above is based on our current understanding of the aquifer hydraulic properties and the estimated production from the proposed well. The predicted drawdown values presented do not include the effects from other wells pumping near the proposed well. Predicted drawdown of less than one foot is considered negligible for analysis purposes due to inherent uncertainty in the aquifer hydraulic characteristics, modeling limitations, and limited effect the drawdown would have on existing groundwater users.

As part of the public water supply well approval by the Texas Commission on Environmental Quality, the applicant will conduct a 36-hour pumping test and collect water samples for lab analysis. Due to the high degree of uncertainty in water level, aquifer coefficients, and local water quality, the results of the aquifer test and sampling will be beneficial in the analysis of the potential effects of production associated with the anticipated future operating permit application.



Conclusions and Recommendations

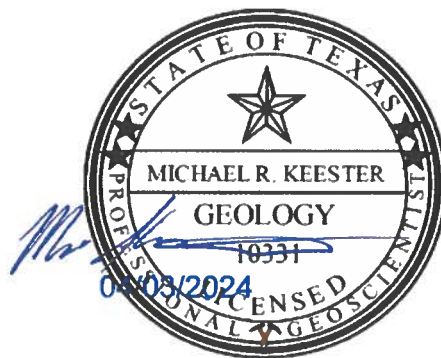
There is only one reported Lower Trinity Aquifer well within 2 miles of the proposed well. Based on our current understanding of the local Lower Trinity Aquifer, we expect less than 1 foot of drawdown in N2-02-039G due to the proposed annual production with about 3 feet of drawdown due to the instantaneous rate after 24 hours of pumping. Due to the limited number of Lower Trinity monitoring wells in the region, additional water-level monitoring will aid in assessing the long-term effects of cumulative groundwater production in the area and in informing local users of the groundwater availability. However, based on our current understanding of the local aquifer conditions, the proposed well will not inhibit the ability of other user to access groundwater from the Lower Trinity Aquifer.

Regarding the drilling permit for the proposed well, we recommend approval. To aid in the Board's future permit considerations, possible conditions associated with the drilling permit may include the following items or specifications of for the well completion report to be submitted with the operating permit application:

- To assess actual changes in water levels due to pumping from the proposed well and regional water level declines, the pump installer shall install a measuring tube alongside the column pipe to allow for measurement of the water level using an e-line or other direct measurement method.
- The geophysical log should include, at a minimum, gamma ray, spontaneous potential, resistivity, and borehole deviation of the open borehole. Provide a copy of the log in digital format (TIF and/or PDF) along with the log data in LAS format.
- Lithologic samples should be collected at no more than 20-foot intervals.
- The pumping test should be consistent with Texas Commission on Environmental Quality requirements for public water supply wells.
- The water quality analysis should be consistent with Texas Commission on Environmental Quality requirements for public water supply wells with the inclusion of Ca, Mg, Na, K, Cl, HCO₃, SO₄, SiO₂, and total dissolved solids along with field measurements of pH and temperature at the time of sample collection.

Geoscientist Seal

The signature and seal appearing on this document was authorized by Michael R. Keester, P.G. on April 3, 2024.



Application

Gamblin Engineering Group, LLC
Texas P.E. Firm # F-22202

19125 Adrian Way, Suite 100
Jonesboro, TX 78645

2-484-2033
WGamblin@Gamblineng.com

RECEIVED
FEB 20 2024
BY: [Signature]
not admin yet
Admin Complete 3/10/24

Mr. Dirk Aaron
General Manager
Clearwater Underground Water Conservation District
700 Kennedy Court
Belton, TX 76513
Phone: 254.933.0120; Email: daaron@cuwcd.org

Subject: Drilling Permit Application for Proposed Non-Exempt Well – Lake Thomas RV Park, Bell County, Texas.

Dear Mr. Aaron:

Gamblin Engineering Group, LLC (Gamblin Engineering) is pleased to present this Drilling Permit Application to the Clearwater Underground Water Conservation District (CUWCD) to install a proposed Public Water Supply Well to service the Lake Thomas RV Park Resort.

BACKGROUND

Lake Thomas RV Park Resort is a planned development near Lower Troy Rd and HK Dodgen Loop between Temple and Troy (Bell County), Texas on 33 acres (Parcel #232085) (see **Figure 1**). The planned water source for the RV Park is a proposed Public Water Supply well to be permitted with the CUWCD and the Texas Commission on Environmental Quality (TCEQ) which will be drilled to produce from the Lower Trinity (Hosston formation). The proposed Lake Thomas RV Park Resort well (LTRV-1) is a proposed Non-Exempt, Well Classification 3 (N3) well. The property is owned by Seven Custom Homes, Inc. (Owned by David Lyne) and lies in the City of Temple's CCN. Groundwater allocated to this project will be utilized to service a proposed RV Park which will entail approximately 250 RV lots. Funding for the project is being provided through private sources.

PRELIMINARY DESIGN

An estimate of the expected Geology below the site was obtained by downloading a "Virtual Bore" (**Appendix B**) from the CUWCD website. The Hosston formation is anticipated to be approximately 1,775 feet below the ground surface (bgs) to approximately 1,973 feet bgs. A preliminary well design is included (**Figure 2**) which details the expected borehole and casing/screen diameters and depths.

The proposed well (LTRV-1) is designed to target the Lower Trinity (Hosston formation) and utilization of the groundwater from the well will be for public use in compliance with Title 30, Part I, Chapter 290, Subchapter D of the Texas Administrative Code (TAC).

Texas Commission on Environmental Quality (TCEQ) dictates minimum water capacity requirements for water systems based on the type of usage. The well capacity requirement for LTRV-1 can be found in TAC Title 30, Part I, Chapter 290, Subchapter D, Rule §290.45, c, 1, B.

TITLE 30	ENVIRONMENTAL QUALITY
PART 1	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 290	PUBLIC DRINKING WATER
SUBCHAPTER D	RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS
RULE §290.45	MINIMUM WATER SYSTEM CAPACITY REQUIREMENTS

(c) Noncommunity water systems serving transient accommodation units. The following water capacity requirements apply to noncommunity water systems serving accommodation units such as hotel rooms, motel rooms, travel trailer spaces, campsites, and similar accommodations.

(1) Groundwater supplies must meet the following requirements.

(B) For systems serving fewer than 100 accommodation units with ground storage or serving 100 or more accommodation units, the system must meet the following requirements:

(i) a well capacity of 0.6 gpm per unit;

Lake Thomas RV Park Resort plans to develop 250 RV spaces. The TCEQ minimum well capacity requirement for LTRV-1 is 250 units x 0.6 gpm/unit = **150 gpm**.

The LTRV-1 well will be designed to supply 150 gpm of well capacity, however, actual long-term usage will be intermittent. To be consistent with on-site sewage capacity estimates, it is anticipated that each unit will average 50 gallons of water use per day. While the well will be built out with a short-term capacity to meet the TCEQ requirement (150 gpm), the expected long-term average usage is estimated by taking into account sewage capacity requirements of 50 gallons per unit per day and applying a contingency factor of 1.2.

$$\begin{aligned} (50 \text{ gpd / unit}) \times 250 \text{ units} &= 12,500 \text{ gpd (365 days)} = 4,562,500 \text{ gallons per year (1 acre-ft/325,851 gal)} \\ &= 14 \text{ acre-feet (1.2 contingency for incidental usage)} = \mathbf{16.8 \text{ acre-feet per year}} \end{aligned}$$

By CUWCD Rules, the proposed public water supply well is defined as a Non-Exempt N3 Level III well. The project will be located in the Eastern Management Zone and the target aquifer will be the Lower Trinity (Hosston Formation). The column pipe to deliver groundwater from the submersible pump to the surface is anticipated to be 4 inches in diameter. Per District Rules, the minimum distance the well should be from a property line is 60 feet. As displayed in **Figure 3**, the nearest property line to the proposed well location is approximately 180 feet north.

NEEDS ASSESSMENT

Lake Thomas RV Park Resort has explored a public water supply service connections with nearby water providers. As displayed on **Figure 4**, the property is within the City of Temple's Certificate of Convenience and Necessity (CCN #20539) area, the nearest pipelines appear to be the Little Elm Valley WSC (CCN #10050) two-inch diameter pipelines which appear to encircle the area where Lake Thomas RV Park Resort is located. Lake Thomas RV Park Resort applied for service from the Little Elm Valley WSC and received the attached (**Appendix C**) denial of service letter stating: "residential meter installations for the purpose of an RV park in the requested location are unavailable".

Lake Thomas RV Park Resort also applied for service from the City of Temple and the attached Meeting Record (**Appendix D**) documents the requirements from the City of Temple for a service connection which includes annexation into the City, rezoning, and "cost sharing" for a minimum 6" water line. The City Engineer's estimate for Lake Thomas RV Park Resort's cost for a pipeline was over a million dollars, plus connection and service fees. The projected initial costs and long-term usage fees make the City of Temple's water supply option cost and schedule prohibitive.

Lake Thomas RV Park Resort will comply with CUWCD's Management Plan and comply with all of the District's rules as well as all groundwater use permits and plans promulgated pursuant to the District's rules.

Gamblin Engineering appreciates the opportunity to submit this application for review. We welcome any questions or comments you may have concerning this Drilling Permit Application. Please call us at 512.484.2033 or by email at wgamblin@gamblineng.com.

Kind regards,

William Gamblin, P.E.

William Gamblin, P.E.
Principal Engineer

Figures:

1. Site Location Map
2. Preliminary Well Design
3. Facility Layout Map
4. CCN Map

Appendices:

- Appendix A – Class 3 Level III Non Exempt Well Drilling Permit Application
Appendix B – Virtual Bore
Appendix C – Little Elm Valley WSC Denial of Service
Appendix D – City of Temple Meeting Record



Figures

Figure 1 Site Location Map



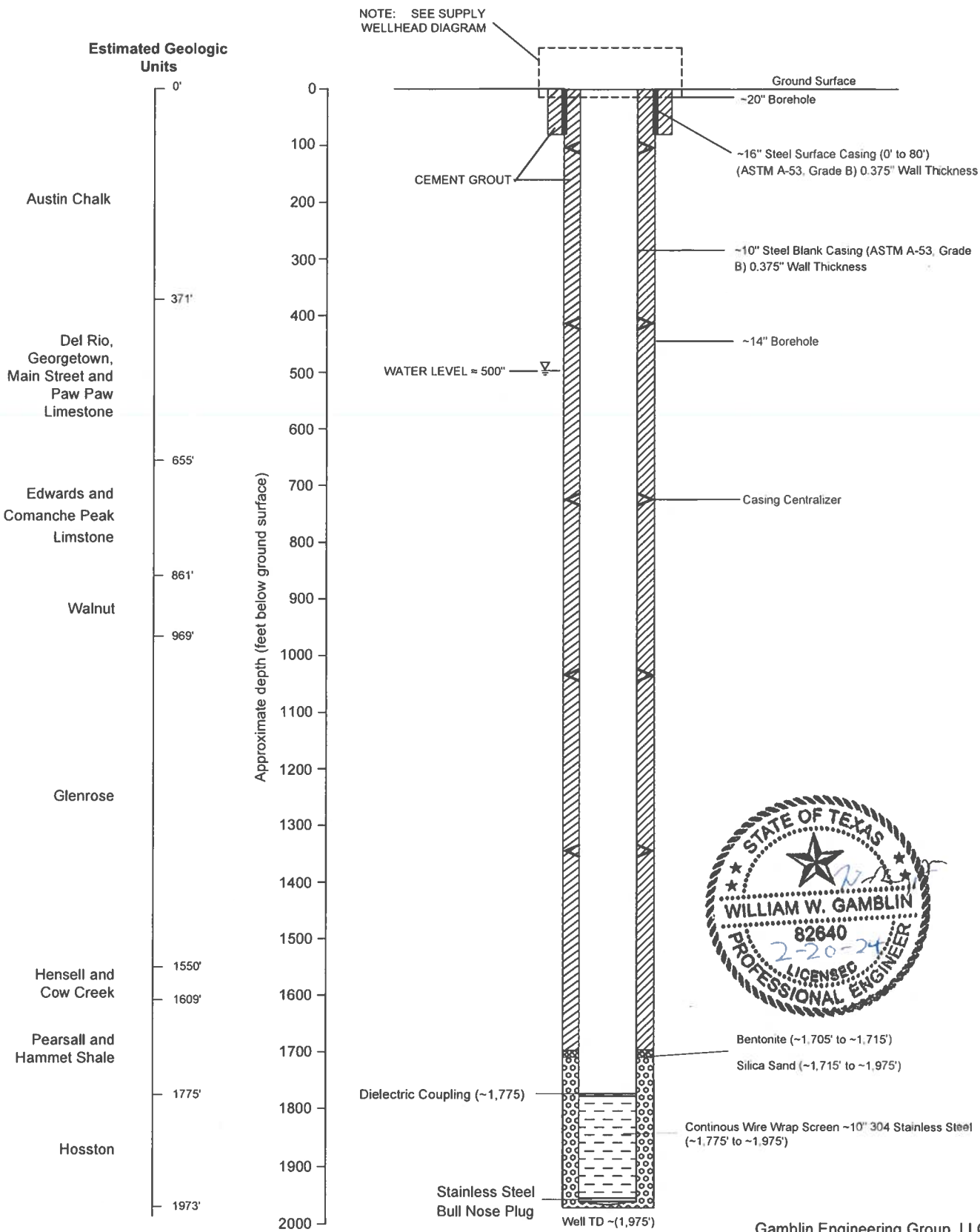
Gamblin
Engineering
Group, LLC

Not to scale

Gamblin Engineering Group, LLC
Texas P.E. Firm #22202

Lake Thomas RV Resort

Figure 2: Preliminary Well Design



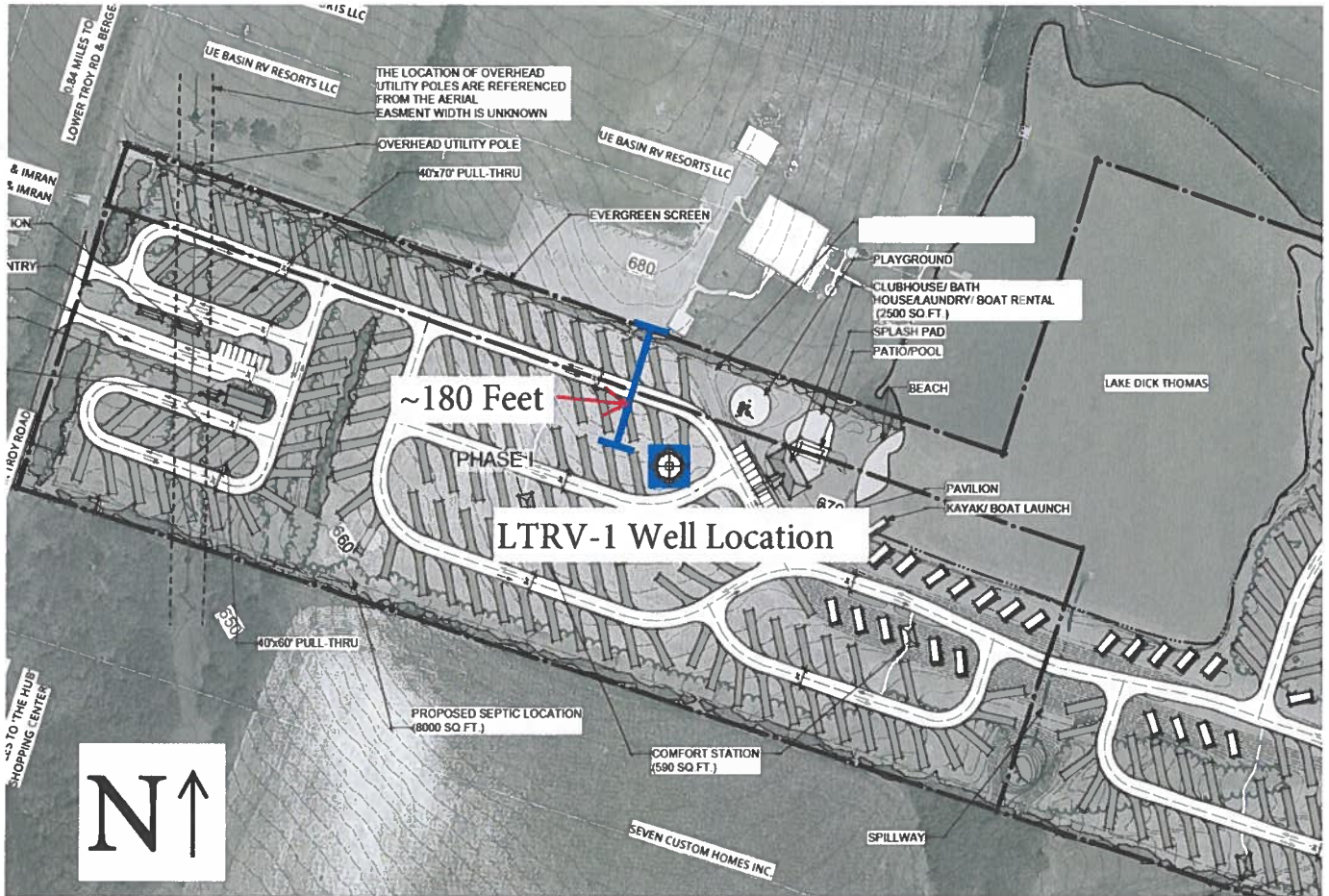
Gamblin
Engineering
Group, LLC

Not to scale

Gamblin Engineering Group, LLC
Texas P.E. Firm #22202

Lake Thomas RV Resort

Figure 3 Facility Layout Map



Gamblin Engineering Group, LLC
Texas P.E. Firm #22202





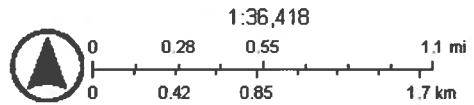
Not to scale

Lake Thomas RV Resort

Figure 4
CCN Map



-  Water CCN Facility Lines
-  Water CCN Service Areas



Baylor University, Texas Parks & Wildlife, CO NAMP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METANASA, USGS, EPA, NPS, USDA, USFWS



Gamblin Engineering Group, LLC
Texas P.E. Firm #22202

Not to scale

Lake Thomas RV Resort

APPENDIX A



Application for Non-Exempt Well Classification 3

<p>Check one of the following:</p> <p><input type="radio"/> COMBINATION PERMIT</p> <p><input checked="" type="radio"/> DRILLING PERMIT</p> <p><input type="radio"/> OPERATING PERMIT</p> <p><input type="radio"/> PERMIT AMENDMENT</p>	<p>Answer the following:</p> <p>Is this for a New Well? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Is this for a Replacement Well? <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Do you plan to Export Water Outside District? <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are you modifying a Drilling Permit? <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are you modifying an Operating Permit? <input type="radio"/> Yes <input checked="" type="radio"/> No</p>
---	---

1. Owner Information

Well Owner: David Lyne Email: dlyne@me.com Telephone: 512-662-1349
 Address (Street/P.O. Box, City, State, ZIP): 312 Medical Parkway Bldg. B, Austin, Texas 78738
 Contact Person (if other than owner): William Gamblin (Consultant) Telephone: (512) 484-2033
 If ownership of Well has changed, name the previous owner: N/A State Well #: _____

2. Property Location & Proposed Well Location

Owner of Property (if different from Well Owner): same
 The well is located in Management Zone: Eastern
 Acreage: 33 Bell CAD Property ID #: Parcel#232085 Latitude: 31.140158 N Longitude: 97.316438

3. Well Description (Submit if State of Texas Well Report is Available)

a. Proposed use of well and estimated amount of water, **in acre-feet**, to be used for each purpose:

16.8 *Domestic; _____ Livestock/Poultry; _____ Agricultural/Irrigation;
 _____ ** Public Supply; _____ Industrial _____ Other

*Total number of houses to be serviced by the well 250 RV#.
 ** Applicant is required to give notice to TCEQ to obtain or modify a Certificate of Convenience and Necessity to provide water or wastewater service with water obtained pursuant to the requested permit.

b. Estimated distance, **in feet**, from the nearest:

~180 ft N / S Property Line; ~930 feet E / W Property Line; >200 feet Existing Septic Leach Field
~350 ft River, Stream, or Lake; ~920 feet Existing Water Well; >200 feet Livestock Enclosure;
 _____ Other Source of Contamination (cemetery, pesticide mixing/loading, petroleum storage tank, etc.)

c. Estimated Rate of Withdrawal (GPM): 150

d. Is the Property subject to flooding? Yes

e. Is there another well on the property? No ; If YES, how many wells? _____

f. Is the well part of a multi-well aggregate system? No
 If YES, list the State or District Well Numbers: _____

REQUIRED BY LAW: Pump Installer / Well Driller Information	
Name: _____	Street Address: _____
TDLR Pump Installer License #: _____	City, State, ZIP: _____
TDLR Well Driller License #: _____	Phone: _____ Fax: _____
Email: _____	
Name of Consultant preparing Application (if applicable): _____	
Con. Phone: _____	Con. Fax: _____ Con. Email: _____

4. Completion Information

Provide the following information to the extent known and available at the time of application:

Proposed Total Depth of Well: 1,975 ft;
Borehole Diameter (Dia): 14 inches (in) from 0 to 1975 ;
Dia (2) N/A in from to ;
Casing Material: Steel ; **Inside Diameter (ID):** 10 in;
Screen Type: Stainless Steel ; **Screen Dia.** 10 in from 1775 to 1975 ; **# of Packers:** 0
Pump Type: Submersible ; **Power:** Electric ; **Horsepower Rating:** ~50 ;
Pump Depth: ~650 ; **Column Pipe ID:** 4 in.
Date Completed: _____
Proposed Water Bearing Formation: Lower Trinity ; **Management Zone:** Eastern

5. Operating Permit

Number of contiguous acres owned or leased on which water is to be produced: 33 acres
Total annual production requested with this operating permit: 16.8 acre-feet
If exporting water, what is the annual volume requested for export out of the District: N/A Gallons
 What is the annual volume requested for export as a % of total pumpage: _____ %
If modifying an operating permit, what is the current, permitted annual production: N/A ac-ft
 What is the requested amount of annual production: _____ ac-ft

6. Attachments

Include a statement/documentation explaining your requested production.
If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed and dated letter, attached to this application.
If requesting operating permits or permit renewals for multiple wells, please attach a separate sheet with the information requested in Section 5 for each well.
If applicant plans to export water outside the District, address the following in an attachment and provide documents relevant to these issues:

- The availability of water in the District and in the proposed receiving area during the period requested
- The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on existing permit holders or other groundwater users within the District
- How the proposed export is consistent with the approved regional water plan and certified District Management Plan

For more attachments that may be needed, please see the *Full Summary of the Permit Application Process* document.

7. Certification

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I certify to abide by the terms of the District Rules, the District Management Plan, and orders of the Board of Directors. I agree to comply with all District well plugging and capping guidelines as stated in the District Rules.

Typed Name of the Owner or Designee: William Gamblin (Consultant)

Signature: **William Gamblin** Digitally signed by William Gamblin
 Date: 2024.02.20 11:46:57 -06'00' Date: 2/20/24

APPENDIX B



CUWCD VIRTUAL BORE

Latitude: **31.140153**

Longitude: **-97.316329**

Approximate Ground Surface
Elevation:

666.54

Top Elev. (ft)	Bottom Elev. (ft)	Depth to Formation (ft)*	Formation Thickness (ft)*	Formation (Geologic Unit)
666.01	294.79	0	371.22	Austin Chalk
294.79	10.91	371.22	283.88	Del Rio, Georgetown, Main Street & Paw Paw Limestone
10.91	-195.44	655.1	206.35	Edwards & Commanche Peak Limestone
-195.44	-302.74	861.45	107.3	Walnut
-302.74	-883.93	968.75	581.18	Glen Rose
-883.93	-942.79	1549.93	58.87	Hensell & Cow Creek Limestone
-942.79	-1108.62	1608.8	165.83	Pearsall & Hammett Shale
-1108.62	-1306.53	1774.63	197.91	Hosston

*Depths / Thicknesses are not to scale

Disclaimer: This product is for informational purposes only and has not been prepared for or suitable for legal, engineering, or other purposes. All representations in this virtual bore represent only the approximate relative depths and thicknesses based on geological interpretation and extrapolation of available well data. Additional data may modify one or more of these formation surfaces. The Clearwater Underground Water Conservation District expressly disclaims any and all liability in connection herewith.

APPENDIX C

**LITTLE ELM VALLEY WSC
P.O. DRAWER 150
CAMERON, TEXAS 76520
HYDRAULIC INVESTIGATION REPORT
(254) 697-4016**

Seven Custom Homes Inc.
1921 Lohmans Crossing Rd # 100
Austin, TX 78734

RE: Water Service- Lower Troy Rd

DATE: March 28, 2023

The board of directors has decided that 2 residential meter installations for the purpose of an RV park in the requested location are unavailable. If you have any questions, please call our office at 254-697-4016.

Little Elm Valley WSC
Management

Robert Jekel

“This institution is an equal opportunity provider and employer”

APPENDIX D



Preliminary Development Meeting

Location: Virtual via Teams **Date:** 2-28-2023 **Time:** 4:00 p.m.

Meeting conducted by: Lynn Barrett **PURPOSE:** RV Park and Storage

SUBJECT: Two properties, one in city limits (52 ac) and one in ETJ (33 ac)

Address/area discussed: Tax ID 232085 (ETJ) & 4445 Lower Troy Rd (city limits)

Issues covered:

1. RV Park Ord Chapter 31 applies in city limits; allowed in AG with CUP. In ETJ, county regs apply.
2. Sanitary sewer not available to site; septic systems are subject to approval by BCPHD.
3. Area in COT water CCN; Little Elm Valley (LEV) has facility line along Lower Troy Rd - 2".
4. If COT water is needed, annexation required and min 6" line extension; cost sharing of water line tbd.
5. RV storage use requires rezoning - Planned Development with site plan recommended.
6. Subd. plat required; consider larger area for RV park and smaller area for storage.
7. Lower Troy Rd is a community collector; future community collector adjacent to property along south side.
8. ROW dedication for roadways tbd with plat.

Decisions/Outcomes:

1. Annexation required if COT water is needed - Mark Baker is point of contact (4 - 6 mo process)
2. Rezoning required for RV Park and RV Storage (10 week process after annexation)
3. Subd Plat required prior to development; may run concurrently with rezoning.

Actions Needed:

Action	By Whom	Timeframe
Send link to Chp 31 and annex process	Lynn & Mark	following mtg
Discuss water availability with LEV	Applicant	when ready

Attendee Rick Hubbell (applicant)

Email fredrickhubbell@sbcglobal.net

City Staff: Lynn Barrett/Brian Chandler

lbarrett@templetx.gov/bchandler@templetx.gov

Mark Baker/Cheryl Maxwell

mbaker@templetx.gov/cmaxwell@templetx.gov

Jason Deckman

jdeckman@templetx.gov

Nancy Whetstone

nwhetstone@templetx.gov

Debbie Mason

dmason@templetx.gov

Kyle Nuttall

knuttall@templetx.gov

* NOTE: This form represents an account of topic and subject matter covered related to a preliminary conceptual review and does not constitute an obligation to approve or recommend approval of a project. A thorough review will follow formal application submittal.

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER



SEVEN CUSTOM HOMES
1921 LOUHANS CROSSING, SUITE 100
AUSTIN, TEXAS 78734



WELLS FARGO BANK, N.A.
AUSTIN, TX 78734
37-65/1119

20772

seven
CUSTOM HOMES

08/2024

PAY TO THE ORDER OF Clearwater Underground Water Conservation District

\$ **3,040.00

Three thousand forty and 00/100

DOLLARS

Clearwater Underground Water Conservation District
P.O. BOX 1989
P.O. BOX 1989
AUSTIN, TX 76513 U.S.A



MEMO

MP AUTHORIZED SIGNATURE

Temple Land 30 1192024 PO-00310-045 3,040.00

⑈020772⑈ ⑆111900659⑆ 9587800293⑆

Handwritten signature and date: 3/25/24

Clearwater Underground Water Conservation
PO Box 1989
Belton, TX 76513

COPY Invoice

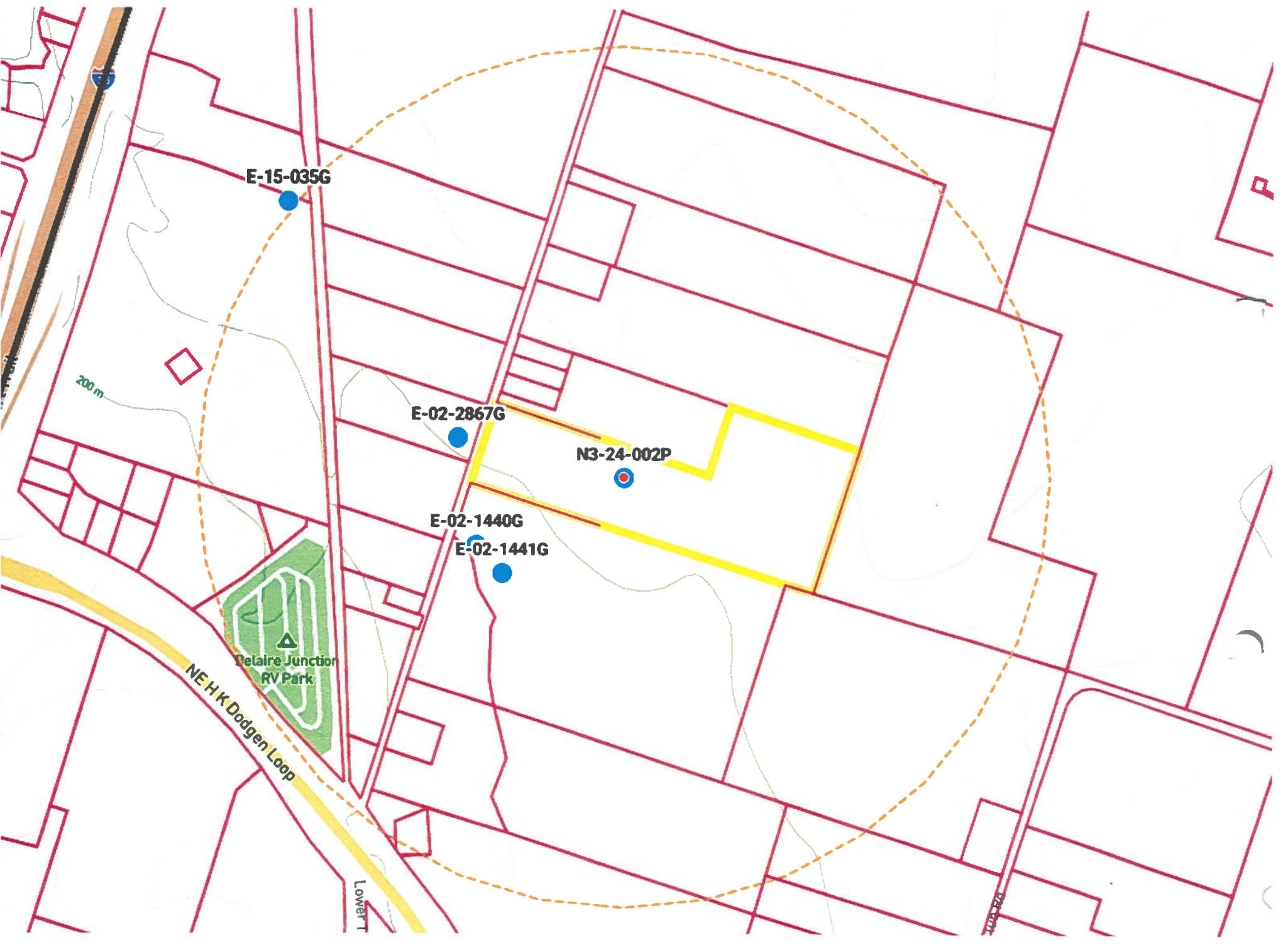
Invoice #: 225
Invoice Date: 3/28/2024
Due Date: 3/28/2024
Project:
P.O. Number:

Bill To:
Lake Thomas RV Resort
(Seven Custom Homes)
1921 Lohmans Crossing #100
Austin, TX 78734

Date	Description	Amount
3/28/2024	Permit Application Fee	577.00

Total	\$577.00
Payments/Credits	\$0.00
Balance Due	\$577.00

Notification



E-15-035G

E-02-2867G

N3-24-002P

E-02-1440G

E-02-1441G

Delaire Junction
RV Park

NE HK Dodgen Loop

Lower T

Delaire

200 m



Mailing List

Name	Address	City	State	Zip
Seven Custom Homes Inc	1921 Lohmans Crossing Suite 100	Austin	TX	78734
Edward & Glenda Hesse	4414 Lower Troy Rd	Temple	TX	76501
Sanam & Imran Khan	531 Morning Drive	Temple	TX	76504
Noe Cabrera	1520 Shady Loop	Killeen	TX	76549
UE Basin RV Resorts LLC	2005 Birdcreek Dr Unit 100	Temple	TX	76502
Kibbie Saxon	4530A Gun Club Rd	Temple	TX	76501
Honorato & Jonathan Sanchez	960 George Wilson	Belton	TX	76513

N3-23-013G Contact List

Wells 1/2 Mile

<u>Prop ID</u>	<u>Name</u>	<u>Address</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Well #</u>	<u>Status</u>	<u>Depth</u>	<u>Aquifer</u>	<u>Use</u>	<u>Distance</u>
13158	Sanam & Imran Khan	531 Morning Drive	Temple	TX	76504	E-02-2867G	Active	unknown	Austin Chalk	Not Used	1056 ft
110586	Seven Custom Homes Inc	1921 Lohmans Crossing Suite 100	Austin	TX	78734	E-02-1440G	Inactive	unknown	Austin Chalk	Not Used	1001 ft
110586	Seven Custom Homes Inc	1921 Lohmans Crossing Suite 100	Austin	TX	78734	E-02-1441G	Inactive	unknown	Austin Chalk	Not Used	952 ft

Adjacent Property

110586	Seven Custom Homes Inc	1921 Lohmans Crossing Suite 100	Austin	TX	78734
186945	Edward & Glenda Hesse	4414 Lower Troy Rd	Temple	TX	76501
13158	Sanam & Imran Khan	531 Morning Drive	Temple	TX	76504
148969	Noe Cabrera	1520 Shady Loop	Killeen	TX	76549
199828	UE Basin RV Resorts LLC	2005 Birdcreek Dr Unit 100	Temple	TX	76502
116245	Kibbie Saxon	4530A Gun Club Rd	Temple	TX	76501
116249	Kibbie Saxon	4530A Gun Club Rd	Temple	TX	76501
199829	Honorato & Jonathan Sanchez	960 George Wilson	Belton	TX	76513

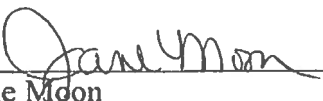
Publisher's Affidavit

State of Texas
County of Bell


Before Me, The Undersigned Authority, this day personally appeared Jane Moon after being by me duly sworn, says that she is the Classified Manager Inside Sales of the Temple Daily Telegram, a newspaper published in Bell County, Texas and that the stated advertisement was published in said newspaper on the following date(s):

March 27, 2024

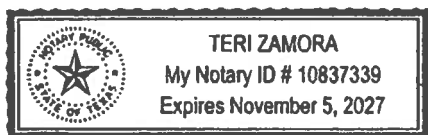
For: Gamblin Engineering Group LLC
Seven Custom Homes
Ad #: 16691632
Cost: \$161.85
Times Published:


Jane Moon
Classified Manager Inside Sales

Subscribed and sworn to before me,
this day: March 27, 2024


Notary Public in and for
Bell County, Texas

(Seal)



**NOTICE OF APPLICATION FOR A
DRILLING PERMIT FROM CLEARWATER
UNDERGROUND WATER
CONSERVATION DISTRICT**

William Gamblin, Gamblin Engineering Group LLC, on behalf of Seven Custom Homes, owner of the proposed Lake Thomas RV Resort, has submitted an application to the Clearwater Underground Water Conservation District (CUWCD) on February 20, 2024, for a drilling permit to complete a new well (N3-24-002P) for a proposed future operating permit of 16.8 ac-ft/year or 5,474,297 gallons per year.

This permit will only authorize the drilling and completion of the well in the Lower Trinity Aquifer (Hosston Layer) in the Eastern Management Zone with a maximum 4-inch column pipe, not to exceed 50 gpm, on a 33-acre tract located in northeastern Bell County near Lower Troy Rd. and HK Dodgen Loop between Temple and Troy, Texas, Latitude 31.1401587 Longitude -97.316438 (well# N3-24-002P). This well will produce groundwater for a TCEQ-approved public water supply system in the proposed RV park. Upon completion of the well, a formal hydrogeologic report must be submitted to CUWCD to support a future operating permit. This drilling permit will not authorize any production of groundwater other than what is necessary for the prescribed aquifer pumping test.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must appear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant's representative, William Gamblin, may be contacted at 19125 Adrian Way, Suite 100, Jonestown TX 78645, or by phone at 512-484-2033.

CROSSWORD

By THOMAS JOSEPH

ACROSS 44 Newscast segment

1 Unexciting 45 Cubicle

Way, e.g. 11 Shortly, in poems

12 Infant outfit

13 Poker game

14 Select on the radio dial

15 Model buy

16 Triangular saff

17 Half of Hispaniola

19 Urgent call

22 Boring Cone fill

26 River to the Severn

27 Greek liqueur

28 Coases 30 Sacred song

31 Pub pint

32 Suppress

34 Supply with cash

35 Young seal

36 Lusia setting

41 Tenuous fellow

42 'King of the Trumpet'

43 Radius partner

ACROSS 44 Newscast segment

DOWN 11 Shortly, in poems

Yesterday's answer

18 Pop's 33 Feet and meters

19 Low point, of a sort

20 Seep 36 Coffee dispensers

21 Location 37 Summit

22 'Very funny' 38 Post-ages

23 Track shape 39 Swiss summit

25 Dove calls 40 Question of identity

28 Use a water pistol 41 Future flower

29 Engaged

11 12 13 14 15 16 17 18 19 20 21

22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43

44

ANSWER KEY

ACROSS

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CLASSIFIEDS

TEMPLE DAILY TELEGRAM

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Public Notices

Public Notices

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(254) 778-4444 10 South 3rd Street Temple, Texas 76501

TEMPLE DAILY TELEGRAM

su do ku

Puzzles by Pappocom

7 6 1 5 3 2 6 4 1 3 8 6 1 3 1 5 1 6 2 7 4 1 3 7 9 2 8 2 6 4 1

Difficulty: ★★★ 3/27

How to Play: Using the numbers provided, complete the grid so that every row, column, and 3x3 square contains the numbers 1-9 without duplications.

AXYDLBAAXR IS LONGFELLOW

One letter stands for another. In this sample, A is used for the three L's, X for the two O's, etc.

3-27 CRYPTOQUOTE

YCT'P YP ALDYOEPXZD PU

EMFL XBYLTAC HURYTO XBUR

MXMB? — HEYTLCL KBUFFLS

Yesterday's Cryptoquote: ONE IS LOVED BECAUSE ONE IS LOVED, NO REASON IS NEEDED FOR LOVING. — PAULO COELHO

Temple Daily Telegram (254) 778-4444 AD INDEX

RENTALS

NOTICE OF APPLICATION FOR A DRILLING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

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PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

March 22, 2024

NOTICE OF APPLICATION FOR DRILLING PERMIT

Name
Address
City, TX Zip

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

RE: Application for a Drilling Permit

To Whom It May Concern:

William Gamblin, Gamblin Engineering Group LLC, on behalf of David Lyne, owner of the proposed Lake Thomas RV Resort, has submitted an application to the Clearwater Underground Water Conservation District (CUWCD) on February 20, 2024, for a drilling permit to complete a new well (N3-24-002P) for a proposed future operating permit of 16.8 ac-ft/year or 5,474,297 gallons per year.

This permit will only authorize the drilling and completion of the well in the Lower Trinity Aquifer (Hosston Layer) in the Eastern Management Zone with a maximum 4-inch column pipe, not to exceed 50 gpm, on a 33-acre tract located in northeastern Bell County near Lower Troy Rd. and HK Dodgen Loop between Temple and Troy, Texas, Latitude 31.140158°/Longitude -97.316438° (well# N3-24-002P). This well will produce groundwater for a TCEQ-approved public water supply system in the proposed RV park. Upon completion of the well, a formal hydrogeologic report must be submitted to CUWCD to support a future operating permit. This drilling permit will not authorize any production of groundwater other than what is necessary for the prescribed aquifer pumping test.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must appear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact CUWCD at 700 Kennedy Court, Belton, Texas 76513, 254-933-0120. The applicant's representative, William Gamblin, may be contacted at 19125 Adrian Way, Suite 100, Jonestown TX 78645, or by phone at 512-484-2033.

Sincerely,

William Gamblin, P. E.
Principal Engineer
Gamblin Engineering Group, LLC

**NOTICE OF APPLICATION FOR A DRILLING PERMIT FROM CLEARWATER
UNDERGROUND WATER CONSERVATION DISTRICT**

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