

level of impact fees adopted by the PUA Board of Directors.

The Annual Allocated Debt Service Payment for the Driftwood Ranch Tract Service Property, from time to time due and payable, shall be based on the City's allocated pro-rata share of the PUA's capital costs for the Regional Facilities (including interest expense) as determined based on input from the City prior to the issuance of bonds to fund the Regional Facilities so long as the total capital cost allocated to the City is recovered within the life of the bonds, including interest expense. The City's pro-rata share of the WTCPUA's capital costs for the Driftwood Ranch Tract Service Property is calculated based on its Max Day Reservation, multiplied by the WTCPUA's Cost per Gallon of the Regional Facilities. Exhibit C attached hereto and incorporated herein for all purposes, sets forth the current schedule of the Annual Allocated Debt Service Payment. Exhibit C may be amended from time to time by the WTCPUA to reflect future LCRA installment payments as well as future debt issuances associated with future Regional Facility projects.

The WTCPUA's Cost per Gallon of the Regional Facilities, further classified as "System-Wide" Facilities shall be calculated by dividing the total cost of the System Wide Regional Facilities by 27,000,000 gallons. The WTCPUA's Cost per Gallon of the Regional Facilities, further classified as "Hwy 71" shall be calculated by dividing the total cost of the Hwy 71 Regional Facilities by 14,829,230 gallons. The WTCPUA's Cost per Gallon of the Regional Facilities, further classified as "US 290" shall be calculated by dividing the total cost of the US 290 Regional Facilities by 12,170,770.

The WTCPUA shall not allocate costs for future Regional Facilities to the City beyond 27 million gallons per day (MGD) of water treatment plant capacity if the City establishes to the WTCPUA's satisfaction that it has reached eighty percent (80%) of its projected absorption schedule of the Driftwood ranch Tract Service Property six months prior to the WTCPUA's issuance of bonds for such expansion.

(b) Within ten business days of a written request from the WTCPUA, the City shall provide the WTCPUA with copies of the City's monthly operating reports indicating the City's peak day consumption, including a break-out of the Driftwood Ranch Tract Service Property. At any time, the WTCPUA may also install, at its sole discretion, a max-day meter and/or a flow regulator on the City System, including the Driftwood Ranch Tract Service Property, to assess or control actual maximum daily demands by the City.

If the WTCPUA determines that the City is exceeding the Max Day Reservation for the City or Driftwood Ranch Tract Service Property, the City will be subject to a surcharge as determined by the WTCPUA Rate Tariff and all service rules and policies.

**ARTICLE 2  
RATIFICATION**

- 2.1 By entering into this Third Amendment, the Parties hereby ratify the Agreement, and affirm and agree that it is in full force and effect, as amended.

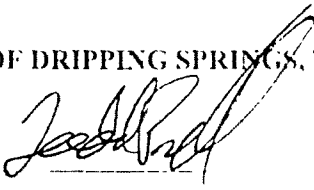
**ARTICLE 3  
MISCELLANEOUS**

- 3.1 Incorporation; Definitions. The background as set forth in the recitals is true and correct, forms a material part of this Third Amendment and is hereby incorporated into this Agreement. Words with initial capital letters that are used but not defined in this Third Amendment shall have the meanings given to them in the Agreement.
- 3.2 Effective Date of Third Amendment. The Effective Date of this Third Amendment is the latest occurring signature of the City or the WTCPUA.
- 3.3 Counterparts. This Third Amendment may be executed in multiple counterparts, each to be considered an original, to be effective upon execution by all Parties.

**IN WITNESS THEREOF**, the Parties hereto, acting under the requisite authority, have caused this First Amendment to be duly executed to be effective as of the Effective Date as provided above.

**[Signature Page Follows]**

CITY OF DRIPPING SPRINGS, TEXAS

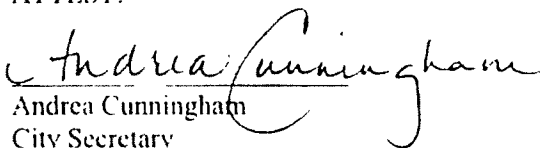
By:  \_\_\_\_\_

Name: Todd Purcell \_\_\_\_\_

Title: Mayor \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

  
Andrea Cunningham  
City Secretary



APPROVED AS TO FORM AND  
LEGALITY:

\_\_\_\_\_  
City Attorney

WTCPUA:

WEST TRAVIS COUNTY PUBLIC UTILITY  
AGENCY

By: \_\_\_\_\_  
Scott Roberts  
President  
Board of Directors

Date: 01/17/2019 \_\_\_\_\_

ATTEST:  
  
\_\_\_\_\_  
Ray Whisenant  
Secretary  
Board of Directors

# EXHIBIT A



**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY**  
12117 Bee Cave Road, Building 3, Suite 120, Bee Cave, Texas 78738  
Office: 512/263-0100 Fax: 512/263-2289  
[www.wtcpua.org](http://www.wtcpua.org)

February 16, 2017

City of Dripping Springs  
c/o David J. Tuckfield, Special Counsel for the City of Dripping Springs  
12400 W. Highway 71, Suite 350-150  
Austin, Texas 78738

Re: **Preliminary Finding of Capacity to Serve**  
**City of Dripping Springs Eastern ETJ Master Meter Project**  
**Hays County, Texas**

City of Dripping Springs:

The West Travis County Public Utility Agency (WTCPUA), as the retail water utility service provider for the referenced application, has completed review of your request for a master meter for wholesale water service to the City of Dripping Springs' eastern Extraterritorial Jurisdiction (ETJ) for delivery of 300 LUEs of water service. This request is subject to the *Wholesale Water Supply Agreement between Lower Colorado River Authority and the City of Dripping Springs* ("Agreement") dated March 11, 2003, as assigned. In accordance with West Travis County Public Utility Agency Water and Sewer Service and Development Policies, the WTCPUA will provide a total Level of Service allocation of three-hundred (300) LUEs and authorizes construction of the master meter, effective upon the Applicant complying with the Service Extension Request (SER) Conditions set forth below:

#### CONDITIONS

1. The City of Dripping Springs ("Applicant") is subject to the terms and conditions of *West Travis County Public Utility Agency Regional Water and Wastewater Systems Schedule for Rates, Fees, Charges and Terms and Conditions of Water and Wastewater Service*, known as the WTCPUA Rate Tariff, as amended from time to time by the Board of Directors of the West Travis County Public Utility Agency;
1. The Applicant enters into an amendment of the existing Wholesale Water Supply Agreement (the "Wholesale Agreement") to designate the Delivery Point for the master meter, an absorption schedule for an immediate allocation of three-hundred (300) LUEs of service, and (1) a minimum monthly rate and bill for the wholesale meter or (2) as a component of the amendment to the Wholesale Agreement, the WTCPUA shall reserve 300 LUEs for water allocated to Applicant and the Applicant shall pay to the WTCPUA annual Water Reservation Fees according to the WTCPUA Tariff, initially in the amount of \$414.96 per Reserved Water LUE, and as may be amended by the WTCPUA from time to time;
2. Pursuant to the Wholesale Agreement, the Applicant amends the City of Dripping Springs Certificate of Convenience and Necessity as authorized by the Texas Public Utilities Commission to include all areas proposed for water service;

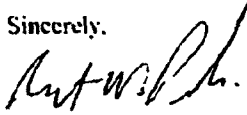
3. The Applicant constructs, at Applicant's sole cost and expense, all water service facilities ("Facilities") necessary to facilitate wholesale service to the City of Dripping Springs and the areas proposed for service adjacent to the intersection of RM 1826 and Darden Hill Road in Hays County, Texas, including but not limited to:
  - a) Construct 16"x12" Full Body Tapping Sleeve and 12" Gate Tapping Valve.
  - b) Construct approximately 20 linear feet of 12" DI waterline.
  - c) Construct 8" Master (AMR) Meter Assembly with vault and provide meter as required by the WTCPUA.
  - d) Construct 12" Backflow Preventer with Vault.
4. The Applicant completes the review process of technical plans associated with the proposed Facilities:
5. The WTCPUA inspects and accepts such facilities and Applicant conveys such facilities to the WTCPUA:
6. The Applicant, at its sole cost and expense, acquires and grants to the WTCPUA all exclusive-use easements necessary for the WTCPUA to own and operate the Facilities in a form and manner acceptable to the WTCPUA:
7. The Applicant shall adopt one of the alternative water quality measures required of the new development as specified in that certain "Memorandum of Understanding" between the LCRA and the United States Fish and Wildlife Service (USFWS), dated May 24, 2000 (MOU) and the "Settlement Agreement and Stipulation of Dismissal" from the lawsuit, Hays County Water Planning Partnership, et. al. vs. Lt. General Robert B. Flowers, U.S. Army Corps of Engineers, Thomas E. White, Secretary of the Army, Gale Norton, Secretary of the Department of the Interior, and the Lower Colorado River Authority, W.D. Tex. 2002 (No. AOOCA 826SS) (Settlement Agreement) including:
  - Measures approved by the USFWS through separate Section 7 consultation, or other independent consultation;
  - TCEQ optional enhanced measures, Appendix A and Appendix B to RG-348; or
  - U.S. Fish and wildlife Service Recommendations for Protection of Water Quality of the Edwards Aquifer dated September 1, 2000:
8. The Applicant pays all applicable fees and charges associated with the extension of service; and
9. The Applicant follows and complies with all applicable WTCPUA rules and regulations pertaining to water service, as amended from time to time by the WTCPUA Board of Directors.

Page 3  
Letter to the City of Dripping Springs  
February 16, 2017

Please be advised that conditions may change over time and the WTCPUA will not reserve or commit water capacity to the Property until all conditions listed above are met or until reservation fees are paid or a minimum monthly rate (bill) is established for the master meter in accordance with current WTCPUA policies. Also, please be advised that the WTCPUA will not provide direct fire flow service to the Property, and, as such, the Applicant may be required to install and maintain fire service facilities needed to meet local fire code regulations and requirements.

If you have any questions concerning this matter, please do not hesitate to contact me.

Sincerely,

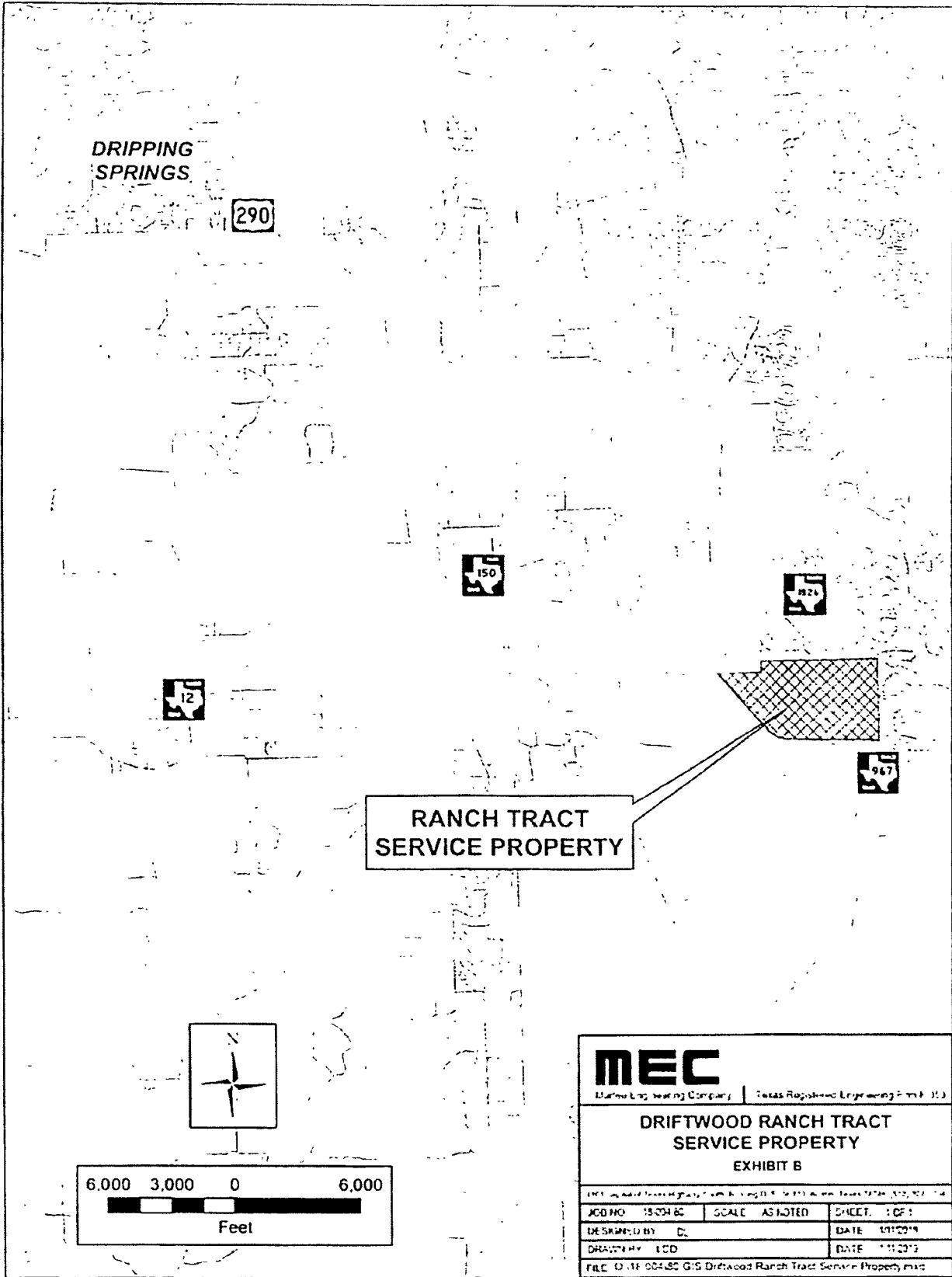


Robert Pugh  
General Manager

Cc: Curtis D. Wilson, P.E., WTCPUA  
Stefanie Albright, Lloyd Gosselink Rochelle & Townsend, P.C.



# **EXHIBIT B**



DRIPPING  
SPRINGS

290

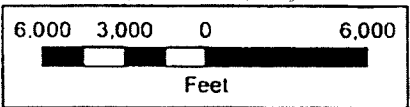
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1926

12

RANCH TRACT  
SERVICE PROPERTY

967



**MEC**  
Marine Engineering Company | Texas Registered Engineering Firm (11)

**DRIFTWOOD RANCH TRACT  
SERVICE PROPERTY  
EXHIBIT B**

JOB NO. 15094 BC	SCALE AS NOTED	SHEET 1 OF 1
DESIGNED BY C.	DATE 11/2019	
DRAWN BY ECD	DATE 11/2019	
FILE D:\14-00450 GIS Driftwood Ranch Tract Service Property.mxd		

# **EXHIBIT C**

West Travis County Public Utility Agency  
 Wholesale Rate Study  
 January 11, 2018  
 Individual Capital Amortization Schedule  
 City of Dripping Springs (Eastern Service Area and New Discovery Golf Course)  
 Series 2017 2019 Debt Payment Schedule  
 Estimated Interest Rate  
 3.75%  
 Capital Cost Allocation  
 1,437,524  
 10,000  
 10,000  
 Capital Cost Allocation  
 \$ 1,447,524  
 Annual Payment per LTB  
 \$ 355  
 Estimated Maturity Date  
 15 years

Year	Month	Projected LTBs	Beginning Balance	Interest Expense	Principal Payment	Total Annual Debt Payment	Ending Balance	Actual Minimum Payment per LTB
2020	01	150	\$ 1,543,407	\$ 48,269	\$ 1,401,476	\$ 1,449,745	\$ 1,497,924	\$ 14,729.64
2020	02	150	\$ 1,608,278	\$ 48,756	\$ 1,352,464	\$ 1,401,220	\$ 1,547,918	\$ 14,729.64
2020	03	150	\$ 1,675,439	\$ 49,219	\$ 1,254,444	\$ 1,353,663	\$ 1,648,728	\$ 14,729.64
2020	04	150	\$ 1,744,203	\$ 49,754	\$ 1,154,441	\$ 1,303,195	\$ 1,751,948	\$ 14,729.64
2020	05	150	\$ 1,814,535	\$ 50,254	\$ 1,052,491	\$ 1,252,745	\$ 1,857,918	\$ 14,729.64
2020	06	150	\$ 1,886,478	\$ 50,719	\$ 948,544	\$ 1,207,263	\$ 1,962,918	\$ 14,729.64
2020	07	150	\$ 1,959,972	\$ 51,150	\$ 842,594	\$ 1,167,144	\$ 2,066,918	\$ 14,729.64
2020	08	150	\$ 2,034,967	\$ 51,546	\$ 734,644	\$ 1,130,290	\$ 2,168,918	\$ 14,729.64
2020	09	150	\$ 2,111,412	\$ 51,907	\$ 624,694	\$ 1,097,701	\$ 2,268,918	\$ 14,729.64
2020	10	150	\$ 2,189,257	\$ 52,234	\$ 512,744	\$ 1,069,438	\$ 2,366,918	\$ 14,729.64
2020	11	150	\$ 2,268,442	\$ 52,527	\$ 400,794	\$ 1,045,219	\$ 2,462,918	\$ 14,729.64
2020	12	150	\$ 2,348,917	\$ 52,787	\$ 288,844	\$ 1,024,031	\$ 2,556,918	\$ 14,729.64
2021	01	150	\$ 2,430,732	\$ 53,014	\$ 176,894	\$ 1,015,219	\$ 2,648,918	\$ 14,729.64
2021	02	150	\$ 2,513,837	\$ 53,207	\$ 64,944	\$ 1,019,251	\$ 2,739,918	\$ 14,729.64
2021	03	150	\$ 2,598,172	\$ 53,367	\$ 52,994	\$ 1,035,245	\$ 2,829,918	\$ 14,729.64
2021	04	150	\$ 2,683,687	\$ 53,494	\$ 41,044	\$ 1,063,289	\$ 2,917,918	\$ 14,729.64
2021	05	150	\$ 2,770,322	\$ 53,587	\$ 29,094	\$ 1,102,371	\$ 2,999,918	\$ 14,729.64
2021	06	150	\$ 2,858,027	\$ 53,647	\$ 17,144	\$ 1,151,491	\$ 3,076,918	\$ 14,729.64
2021	07	150	\$ 2,946,752	\$ 53,674	\$ 5,194	\$ 1,210,611	\$ 3,148,918	\$ 14,729.64
2021	08	150	\$ 3,036,437	\$ 53,667	\$ 0	\$ 1,279,691	\$ 3,215,918	\$ 14,729.64
2021	09	150	\$ 3,127,022	\$ 53,627	\$ 0	\$ 1,348,711	\$ 3,277,918	\$ 14,729.64
2021	10	150	\$ 3,218,557	\$ 53,554	\$ 0	\$ 1,417,691	\$ 3,334,918	\$ 14,729.64
2021	11	150	\$ 3,311,072	\$ 53,447	\$ 0	\$ 1,486,571	\$ 3,387,918	\$ 14,729.64
2021	12	150	\$ 3,404,587	\$ 53,307	\$ 0	\$ 1,555,291	\$ 3,436,918	\$ 14,729.64
2022	01	150	\$ 3,500,052	\$ 53,134	\$ 0	\$ 1,623,811	\$ 3,481,918	\$ 14,729.64
2022	02	150	\$ 3,597,417	\$ 52,927	\$ 0	\$ 1,692,071	\$ 3,523,918	\$ 14,729.64
2022	03	150	\$ 3,696,632	\$ 52,687	\$ 0	\$ 1,759,991	\$ 3,562,918	\$ 14,729.64
2022	04	150	\$ 3,797,647	\$ 52,414	\$ 0	\$ 1,827,511	\$ 3,598,918	\$ 14,729.64
2022	05	150	\$ 3,900,412	\$ 52,107	\$ 0	\$ 1,894,571	\$ 3,631,918	\$ 14,729.64
2022	06	150	\$ 4,004,877	\$ 51,767	\$ 0	\$ 1,961,111	\$ 3,661,918	\$ 14,729.64
2022	07	150	\$ 4,111,092	\$ 51,394	\$ 0	\$ 2,027,171	\$ 3,688,918	\$ 14,729.64
2022	08	150	\$ 4,218,997	\$ 50,987	\$ 0	\$ 2,092,711	\$ 3,713,918	\$ 14,729.64
2022	09	150	\$ 4,328,552	\$ 50,547	\$ 0	\$ 2,157,771	\$ 3,736,918	\$ 14,729.64
2022	10	150	\$ 4,439,707	\$ 50,074	\$ 0	\$ 2,222,291	\$ 3,757,918	\$ 14,729.64
2022	11	150	\$ 4,552,372	\$ 49,567	\$ 0	\$ 2,286,211	\$ 3,776,918	\$ 14,729.64
2022	12	150	\$ 4,666,587	\$ 49,027	\$ 0	\$ 2,349,491	\$ 3,793,918	\$ 14,729.64
2023	01	150	\$ 4,782,302	\$ 48,454	\$ 0	\$ 2,412,171	\$ 3,808,918	\$ 14,729.64
2023	02	150	\$ 4,900,557	\$ 47,847	\$ 0	\$ 2,474,211	\$ 3,821,918	\$ 14,729.64
2023	03	150	\$ 5,021,312	\$ 47,207	\$ 0	\$ 2,535,571	\$ 3,832,918	\$ 14,729.64
2023	04	150	\$ 5,144,517	\$ 46,534	\$ 0	\$ 2,596,211	\$ 3,841,918	\$ 14,729.64
2023	05	150	\$ 5,270,132	\$ 45,827	\$ 0	\$ 2,656,171	\$ 3,848,918	\$ 14,729.64
2023	06	150	\$ 5,398,197	\$ 45,087	\$ 0	\$ 2,715,391	\$ 3,853,918	\$ 14,729.64
2023	07	150	\$ 5,528,662	\$ 44,314	\$ 0	\$ 2,773,211	\$ 3,856,918	\$ 14,729.64
2023	08	150	\$ 5,661,477	\$ 43,507	\$ 0	\$ 2,829,571	\$ 3,857,918	\$ 14,729.64
2023	09	150	\$ 5,796,602	\$ 42,667	\$ 0	\$ 2,884,411	\$ 3,856,918	\$ 14,729.64
2023	10	150	\$ 5,934,077	\$ 41,794	\$ 0	\$ 2,937,671	\$ 3,853,918	\$ 14,729.64
2023	11	150	\$ 6,073,852	\$ 40,887	\$ 0	\$ 2,989,291	\$ 3,848,918	\$ 14,729.64
2023	12	150	\$ 6,215,877	\$ 39,947	\$ 0	\$ 3,039,211	\$ 3,841,918	\$ 14,729.64
2024	01	150	\$ 6,360,102	\$ 38,974	\$ 0	\$ 3,087,491	\$ 3,831,918	\$ 14,729.64
2024	02	150	\$ 6,506,557	\$ 37,967	\$ 0	\$ 3,134,171	\$ 3,819,918	\$ 14,729.64
2024	03	150	\$ 6,655,272	\$ 36,927	\$ 0	\$ 3,179,211	\$ 3,804,918	\$ 14,729.64
2024	04	150	\$ 6,806,287	\$ 35,854	\$ 0	\$ 3,222,571	\$ 3,786,918	\$ 14,729.64
2024	05	150	\$ 6,959,552	\$ 34,747	\$ 0	\$ 3,264,211	\$ 3,765,918	\$ 14,729.64
2024	06	150	\$ 7,115,027	\$ 33,607	\$ 0	\$ 3,304,171	\$ 3,741,918	\$ 14,729.64
2024	07	150	\$ 7,272,752	\$ 32,434	\$ 0	\$ 3,342,411	\$ 3,714,918	\$ 14,729.64
2024	08	150	\$ 7,432,677	\$ 31,227	\$ 0	\$ 3,379,211	\$ 3,684,918	\$ 14,729.64
2024	09	150	\$ 7,594,852	\$ 29,987	\$ 0	\$ 3,414,571	\$ 3,651,918	\$ 14,729.64
2024	10	150	\$ 7,759,227	\$ 28,714	\$ 0	\$ 3,448,491	\$ 3,615,918	\$ 14,729.64
2024	11	150	\$ 7,925,852	\$ 27,407	\$ 0	\$ 3,480,911	\$ 3,576,918	\$ 14,729.64
2024	12	150	\$ 8,094,677	\$ 26,067	\$ 0	\$ 3,511,871	\$ 3,534,918	\$ 14,729.64
2025	01	150	\$ 8,265,652	\$ 24,694	\$ 0	\$ 3,541,311	\$ 3,489,918	\$ 14,729.64
2025	02	150	\$ 8,438,827	\$ 23,287	\$ 0	\$ 3,569,211	\$ 3,441,918	\$ 14,729.64
2025	03	150	\$ 8,614,252	\$ 21,847	\$ 0	\$ 3,595,571	\$ 3,391,918	\$ 14,729.64
2025	04	150	\$ 8,791,977	\$ 20,374	\$ 0	\$ 3,620,391	\$ 3,339,918	\$ 14,729.64
2025	05	150	\$ 8,971,952	\$ 18,867	\$ 0	\$ 3,643,611	\$ 3,285,918	\$ 14,729.64
2025	06	150	\$ 9,154,227	\$ 17,327	\$ 0	\$ 3,665,211	\$ 3,229,918	\$ 14,729.64
2025	07	150	\$ 9,338,852	\$ 15,754	\$ 0	\$ 3,685,211	\$ 3,171,918	\$ 14,729.64
2025	08	150	\$ 9,525,877	\$ 14,147	\$ 0	\$ 3,703,571	\$ 3,111,918	\$ 14,729.64
2025	09	150	\$ 9,715,352	\$ 12,507	\$ 0	\$ 3,720,211	\$ 3,049,918	\$ 14,729.64
2025	10	150	\$ 9,907,327	\$ 10,834	\$ 0	\$ 3,735,171	\$ 2,985,918	\$ 14,729.64
2025	11	150	\$ 10,101,852	\$ 9,127	\$ 0	\$ 3,748,391	\$ 2,919,918	\$ 14,729.64
2025	12	150	\$ 10,300,007	\$ 7,387	\$ 0	\$ 3,759,791	\$ 2,851,918	\$ 14,729.64

Annual amount to be paid to the lenders to support the debt plus interest coverage requirement



February 20, 2019

Memorandum for: Aaron Reed

From: Jesse L. Kennis II

Subject: Weekly Operations Summary Week of 13 to 20 February 2019

Below is a summary of operational activities:

Inframark LLC

14050 Summit Drive,  
#113 Austin, TX 78728  
United States

T +1 512 246 0498  
F +1 512 716 0024

[www.inframark.com](http://www.inframark.com)

**1) Wastewater Treatment Plant**

- a) We have purchased 200 waterproof connectors for the drip field wiring and will replace them. That work is scheduled for the last week of February.
- b) The Calterra irrigation fields are operating at 60% capacity. The pond level has dropped 8" in the last week and 660,000 gallons of effluent have been irrigated onto the fields.
- c) The daily average flows to the drip fields the last few days is 0.75 MGD. There has not been any water sent to the pond.

**2) Drip Fields**

- a) Nothing significant to report

**3) Collection System**

- a) Nothing significant to report

CITY OF DRIPPING SPRINGS

ORDINANCE NO. 1725.01

**WATER RATE ORDINANCE**

AN ORDINANCE ESTABLISHING RETAIL WATER SERVICE RULES, RATES, AND POLICIES WITHIN THE CITY OF DRIPPING SPRINGS; AND PROVIDING FOR THE FOLLOWING: FINDINGS OF FACT; ENACTMENT; REPEALER; SEVERABILITY; CODIFICATION; EFFECTIVE DATE; AND PROPER NOTICE AND MEETING.

**WHEREAS**, the City of Dripping Springs has the authority under Chapter 552 of the Texas Local Government Code (the "Code") to purchase, construct, and operate a water utility system inside or outside the municipal boundaries and may regulate the system in a manner that protects the interests of the municipality; and

**WHEREAS**, the Wholesale Water Supply Agreement between the Lower Colorado River Authority (now the West Travis County Public Utility Agency or WTCPUA) and the City of Dripping Springs (Blue Blazes Service Property Amendment) (executed in 2003) allows the City to provide retail water service under certain circumstances; and

**WHEREAS**, the City desires to operate a water utility and provide retail water service; and

**WHEREAS**, the City has determined that providing retail water service in a manner the City deems necessary and as is described in "Attachment A" benefits the City and its residents.

**NOW, THEREFORE, BE IT ORDAINED** by the City Council of Dripping Springs, Texas:

**1. FINDINGS OF FACT**

The foregoing recitals are incorporated into this Ordinance by reference as findings of fact as if expressly set forth herein.

## **2. ENACTMENT**

Chapter 20, Article 20.06 is added to the City of Dripping Springs Code of Ordinances in accordance with Attachment A, which is attached hereto and incorporated into this Ordinance for all intents and purposes. Any underlined text shall be inserted into the Code, as stated on Attachment A.

## **3. REPEALER**

All ordinances, resolutions, or parts thereof, that are in conflict or inconsistent with any provision of this Ordinance, are hereby repealed to the extent of such conflict, and the provisions of this Ordinance shall be and remain controlling as to the matters regulated, herein.

## **4. SEVERABILITY**

Should any of the clauses, sentences, paragraphs, sections or parts of this Ordinance be deemed invalid, unconstitutional, or unenforceable by a court of law or administrative agency with jurisdiction over the matter, such action shall not be construed to affect any other valid portion of this Ordinance.

## **5. CODIFICATION**

The City Secretary is hereby directed to record and publish the attached rules, regulations and policies in the City's Code of Ordinances as authorized by Section 52.001 of the Texas Local Government Code.

## **6. EFFECTIVE DATE**

This Ordinance shall be effective immediately upon passage.

## **7. PROPER NOTICE & MEETING**

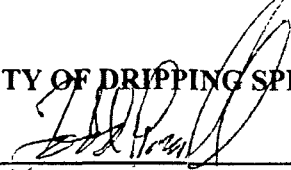
It is hereby officially found and determined that the meeting at which this Ordinance was passed was open to the public, and that public notice of the time, place and purpose of said meeting was given as required by the Open Meetings Act, Texas Government Code, Chapter 551. Notice was also provided as required by Chapter 52 of the Texas Local Government Code.

NOW THEREFORE, BE IT ORDAINED BY THE City Council of the City of Dripping Springs, Texas:

PASSED & APPROVED this, the 16<sup>th</sup> day of May 2017, by a vote of 5 (ayes) to 0 (nays) to (abstentions)

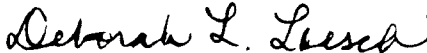
CITY OF DRIPPING SPRINGS

By:

  
\_\_\_\_\_  
Todd Purcell, Mayor



ATTEST:

  
\_\_\_\_\_  
Deborah L. Loesch, Deputy City Secretary



CHAPTER 20 UTILITIES

ARTICLE 20.06 RETAIL WATER SERVICE

ARTICLE 20.06 RETAIL WATER SERVICE

Division 1. Generally

Division 1. Generally

Sec. 20.06.001 Retail water service rules and policies

This article sets forth the city's rules and policies that apply to any retail water service that is provided by the city.

Division 1. Generally

Sec. 20.06.002 Definitions

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this article, except where the context clearly indicates a different meaning:

LCRA. The Lower Colorado River Authority.

MOU. That certain memorandum of understanding between LCRA and USFWS dated May, 2000.

New development. As that term is defined in the MOU.

TCEQ. The Texas Commission on Environmental Quality.

USFWS. The United States Fish and Wildlife Service.

WTCPUA. The West Travis County Public Utility Agency.

Division 1. Generally

Sec. 20.06.003 Initiation and continuation of retail water service

(a) The city has agreed by contract with its wholesale water provider to provide retail potable water utility service only in a manner that complies with the MOU. Any new development will only be provided with retail water service where the new development complies with:

- (1) Measures approved by the USFWS through separate section 7 [sic] consultation, or other independent consultation;
- (2) TCEQ optional enhanced measures, appendix A and appendix B to RG-348; or

(3) USFWS recommendations for Protection of Water Quality of the Edwards Aquifer dated September 1, 2000.

(b) As a condition to obtaining retail water service from the city, the landowner for any new development must provide for the development to the city an engineer's certification that the plat for the development contains enforceable restrictions against altering physical elements of any applicable water quality protection measures or alternatives, such as buffer zones and impervious cover, and the landowner must also provide an engineer's certification after completion of construction of a development or subdivision to ensure that the construction of the development or subdivision has been in accordance with the plat restrictions.

(c) All WTCPUA's service extension policies apply to retail water utility service provided by the city as if the WTCPUA were the retail service provider.

(d) The city hereby adopts by reference the same service availability and plumbing regulations as contained in the duly adopted WTCPUA tariff.

(Ordinance 1725.01 adopted 5/16/17)

Division 1. Generally

**Sec. 20.06.004 Water rates and charges**

(a) Applicability. These rates and charges are applicable to all sales or service of water within and outside the corporate limits of the city.

(b) Rates and charges. The city's rates and charges to customers for the sales or service of water shall consist of two parts: (i) base rates, (ii) Special charges, and (iii) administrative fee.

(1) Base rates. The city shall charge as its base rates the same rates, fees, and charges (including, but not limited to, water impact fees, connection fees, minimum monthly charges, capital charges, and volumetric charges), (A) that are charged to the city by its wholesale water provider, WTCPUA pursuant to WTCPUA tariff and policies for water service and all contracts with the WTCPUA, and (B) that are charged to the city by any service provider or contractor that is engaged by the city for to assist with the operation or maintenance of the city's retail water system. Except for special charges, all rates, charges, and fees imposed by the WTCPUA or by a city contractor providing services that allow the city to provide water service on the city will be passed through to each customer on a pro rata basis so that the city fully recoups from its retail customers the rates, fees, and charges that are billed to the city. The base rate will be shown separately on customer's water bill. Costs associated with water loss in the city's retail water system shall be allocated to retail customers on a pro rata basis.

(2) Special charges. Each retail water customer shall be responsible to pay costs incurred that are attributable to a specific retail customer or retail customer account (such as, but not limited to, returned check fees, disconnect charges, and resumption of service charges).

(3) Administrative fee. Except for wholesale water impact fees, the city shall charge an administrative fee calculated as a percentage of the sum of the base rates and special charges charged pursuant to subsection (b) (1) and (b)(2) above. The applicable percentage shall initially be six percent (6%) and periodically reviewed and revised, as appropriate. The administrative fee will be shown separately on customer's water bill.

(Ordinance 2019-26 adopted 8/20/19)

Division 1. Generally

**Secs. 20.06.005–20.06.030 Reserved**

**ARTICLE 20.06 RETAIL WATER SERVICE**

**Division 2. Reclaimed Water**

**Division 2. Reclaimed Water**

**Sec. 20.06.031 Definitions**

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this division, except where the context clearly indicates a different meaning:

Reclaimed water. Effluent owned or controlled by the city that is produced from the treatment of the city's wastewater through a wastewater treatment plant and treated to the standards required in 30 Texas Admin. Code § 210 et seq.

Reclaimed water system. The distribution, transmission and storage facilities designed to meet the requirements of 30 Texas Admin. Code § 210 et seq. as described in this division for the distribution of reclaimed water to users.

Users. Entities or individuals that purchase reclaimed water from the city through the city's reclaimed water system.

**Division 2. Reclaimed Water**

**Sec. 20.06.032 Prohibitions**

(a) It shall be unlawful to tap into, connect, or obtain reclaimed water from the reclaimed water system except in accordance with the terms of an executed reclaimed water use agreement with the city and this division.

(b) It shall be unlawful to use reclaimed water in a manner that violates this division or the rules and regulations of the Texas Commission on Environmental Quality.

**Division 2. Reclaimed Water**

**Sec. 20.06.033 Construction standards for reclaimed water system**

The reclaimed water system shall be constructed in accordance with the following standards:

- (1) Transmission lines. Any reclaimed water transmission lines shall be constructed with a minimum separation from potable waterlines of nine feet whenever possible. When it is not possible to maintain such separation, the reclaimed waterlines shall be constructed in accordance with 30 Texas Admin. Code ch. 290 concerning separation of potable and nonpotable water piping. A nondegradable warning tape shall be placed in the trench above the pipe to reduce the possibility of inadvertent connections. Pipe used for the construction of any additional reclaimed waterlines shall be purple, covered with a purple polywrap bag, or marked with purple tape. Construction plans for any additional reclaimed waterlines shall be submitted to the Texas Commission on Environmental Quality for review and approval in accordance with 30 Texas Admin. Code § 210.25(h).

- (2) Internal lines. Users shall be responsible for the design of any internal reclaimed water distribution piping or irrigation piping. The user shall design all piping in accordance with 30 Texas Admin. Code § 210.25.
- (3) Storage ponds. All reclaimed water storage ponds shall be designed and constructed in accordance with 30 Texas Admin. Code § 210.25(c).

## Division 2. Reclaimed Water

### **Sec. 20.06.034 User responsibilities**

Reclaimed water users shall comply with the following requirements:

- (1) Users shall post signs at all storage areas, hose bibs, faucets and other points of access to the reclaimed water that comply with the requirements of 30 Texas Admin. Code 210.25b.
- (2) Users shall design all hose bibs, faucets, and valves in accordance with 30 Texas Admin. Code § 210.25a.
- (3) Users shall ensure that irrigation activities occur during times that will minimize the risk of inadvertent human exposure.
- (4) Users shall operate irrigation systems in a manner that will not cause any surface or airborne discharge of reclaimed water.
- (5) Users shall not operate irrigation systems when the earth is frozen or saturated with water.
- (6) Users shall utilize operational procedures for irrigation systems that will minimize wet grass conditions in unrestricted landscape areas during the periods the areas could be in use.
- (7) Users shall maintain transmission mains, storage pond, pumping facilities and internal irrigation piping beyond the point of delivery.
- (8) Users shall design a routine maintenance schedule that includes a routine check of the sprinkler heads, distribution piping, pumps, valves, and other mechanical equipment and shall conduct repairs as necessary. Preventive maintenance on all mechanical equipment shall be as specified by the manufacturer.

## Division 2. Reclaimed Water

### **Sec. 20.06.035 Judicial enforcement remedies applicable to reclaimed water use**

- (a) Criminal penalty. Any person who has violated any provision of this division regarding the use of reclaimed water shall be strictly liable for such violation and shall, upon conviction, be subject to a fine of not more than \$2,000.00 per violation per day.
- (b) Pursuant to Texas Local Government Code section 552.0025, the compensation due to the city shall be a delinquent cost of providing utility services, and the city may impose a lien on the landowner's real property, unless the property is a homestead as protected by the state constitution.
- (c) Remedies nonexclusive. The remedies provided for in this division are not exclusive of any other remedies that the city may have under state or federal law or other city ordinances. The city may take any, all, or any combination of these actions against a violator. The city is empowered to take more than one enforcement action against any violator. These actions may be taken concurrently.
- (d) Supplemental enforcement action.

- (1) Whenever a user has violated or continues to violate any provision of this division, reclaimed water service to the user may be severed. Service will only recommence, at the user's expense, after he has satisfactorily demonstrated his ability to comply.
- (2) The misuse of reclaimed water in violation of this division is hereby declared a public nuisance and shall be corrected or abated as directed by the city public works director. Any person creating a public nuisance shall be subject to the provisions of this code governing such nuisances, including reimbursing the city for any costs, including but not limited to, attorneys fees and costs of court, incurred in removing, abating, or remedying said nuisance.
- (3) In addition to prohibiting certain conduct by natural persons, it is the intent of this division to hold a corporation or association legally responsible for prohibited conduct performed by an agent acting on behalf of a corporation or association and within the scope of his office or employment.
- (4) Any user that violates any provision of this division and thereby causes the city to violate a rule or regulation of the Texas Commission on Environmental Quality or any other state or federal agency, and as a consequence causes the city to incur any civil or criminal penalty, shall be liable to the city for the amount of any such civil or criminal penalty, as well as any costs of compliance with any order issued by the Texas Commission on Environmental Quality or any state or federal court and, additionally, any costs and/or attorneys fees incurred by the city in defense or compliance with such judicial or administrative action.

## Division 2. Reclaimed Water

**Secs. 20.06.036–20.06.060 Reserved**

## ARTICLE 20.06 RETAIL WATER SERVICE

### Division 3. Water Connections

#### Division 3. Water Connections

**Sec. 20.06.061 Definitions**

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in sections 20.06.062 through 20.06.068, except where the context clearly indicates a different meaning:

*Air gap.* The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying water or waste to a tank, plumbing fixture, receptor, or other assembly and the flood level rim of the receptacle. These vertical, physical separations must be at least twice the diameter of the water supply outlet, never less than one inch (25 millimeters).

*Approved.* Accepted by the authority responsible as meeting an applicable specification stated or cited in this division or as suitable for the proposed use.

*Auxiliary water supply.* Any water supply on or available to the premises other than the city's approved public water supply. These auxiliary waters may include water from another purveyor's public potable water supply or any natural source, such as a well, spring, river, stream, harbor, and so forth; used waters; or industrial fluids. These waters may be contaminated or polluted, or they may be objectionable and constitute an unacceptable water source over which the city does not have sanitary control.

Backflow. The undesirable reversal of flow in a potable water distribution system as a result of a cross connection.

Backflow preventer or backflow prevention assemblies. An assembly or means designed to prevent backflow.

Backpressure. A pressure, higher than the supply pressure, caused by a pump, elevated tank, boiler, or any other means that may cause backflow.

Backsiphonage. Backflow caused by negative or reduced pressure in the supply piping.

City administrator. The administrator of the city, and the agents, officers or employees of the city designated by the city administrator to be in charge of the water department of the city, and the designees of such agents and officers. The city administrator is invested with the authority and responsibility for the implementation of an effective cross-connection control program and for the enforcement of the provisions of this division. The city administrator may further, with the approval of the city council, designate the county health department as an agent authorized to enforce this division.

Contamination. An impairment of a potable water supply by the introduction or admission of any foreign substance that degrades the quality and creates a health hazard.

Cross connection. Connection or potential connection between any part of a potable water system and any other environment containing other substances in a manner that, under any circumstances would allow such substances to enter the potable water system. Other substances may be gases, liquids, or solids, such as chemicals, waste products, steam, water from other sources (potable or nonpotable), or any matter that may change the color or add odor to the water.

Cross-connection control by containment. The installation of any approved backflow prevention assembly at the water service connection to any customer's premises, where it is physically and economically unfeasible to find and permanently eliminate or control all actual or potential cross connections within the customer's water system; or the term "cross-connection control by containment" means the installation of an approved backflow prevention assembly on the service line leading to and supplying a portion of a customer's water system where there are actual or potential cross connections that cannot be effectively eliminated or controlled at the point of the cross connection.

Cross connections, controlled. A connection between a potable water system and a nonpotable water system with an approved backflow prevention assembly properly installed and maintained so that it will continuously afford the protection commensurate with the degree of hazard.

Double check valve assembly. The approved double check valve assembly consists of two internally loaded check valves, either spring loaded or internally weighted, installed as a unit between two tightly closing resilient-seated shutoff valves and fittings with properly located resilient-seated test cocks. This assembly shall only be used to protect against a nonhealth hazard (i.e., a pollutant).

Hazard, degree of. The term is derived from an evaluation of the potential risk to public health and the adverse effect of the hazard upon the potable water system.

Hazard, health. A cross connection or potential cross connection involving any substance that could, if introduced in the potable water supply, cause death, illness, spread disease, or have a high probability of causing such effects.

Hazard, nonhealth. A cross connection or potential cross connection involving any substance that generally would not be a health hazard but would constitute a nuisance or be aesthetically objectionable, if introduced into the potable water supply.

*Hazard, plumbing.* A plumbing-type cross connection in a consumer's potable water system that has not been properly protected by an approved air gap or an approved backflow prevention assembly.

*Hazard, system.* An actual or potential threat of severe damage to the physical properties of the public potable water system or the consumer's potable water system or of a pollution or contamination that would have a protracted effect on the quality of the potable water in the system.

*Industrial fluids system.* Any system containing a fluid or solution that may be chemical, biologically, or otherwise contaminated or polluted in a form or concentration, such as would constitute a health, system, pollution or plumbing hazard, if introduced into an approved water supply. The term "industrial fluids system" may include, but not be limited to:

- (1) Polluted or contaminated waters;
- (2) All types of process waters and used waters originating from the public potable water system that may have deteriorated in sanitary quality;
- (3) Chemicals in fluid form;
- (4) Plating acids and alkalis;
- (5) Circulating cooling waters connected to an open cooling tower;
- (6) Cooling towers that are chemically or biologically treated or stabilized with toxic substances: and/or
- (7) Contaminated natural waters, such as wells, springs, streams, rivers, bays, harbors, seas, irrigation canals or systems, and so forth: oils, gases, glycerine, paraffins, caustic and acid solutions, and other liquid and gaseous fluids used in industrial or other purposes for firefighting purposes.

*Pollution.* The presence of any foreign substance in the water that tends to degrade its quality so as to constitute a nonhealth hazard or impair the usefulness of the water.

*Reduced-pressure backflow prevention assembly.* The approved reduced-pressure principle backflow prevention assembly consisting of two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure differential relief valve located between the check valves and below the first check valve. These units are located between two tightly closing resilient-seated shutoff valves as an assembly and equipped with properly located resilient-seated test cocks.

*Regulations.* The provisions of any applicable ordinance, rule, regulation or policy.

*Service connection.* The terminal end of a service connection from the public potable water system, that is, where the water purveyor loses jurisdiction and sanitary control over the water at its point of delivery to the customer's water system. The term "service connection" means, if a meter is installed at the end of the service connection, the downstream end of the meter. There should be no unprotected takeoffs from the service line ahead of any meter or backflow prevention assembly located at the point of delivery to the customer's water system. The term "service connection" also includes water service connections from the public potable water system.

*Water, nonpotable.* Water that is not safe for human consumption or that is of questionable quality.

*Water, potable.* Water that is safe for human consumption as described by the public health authority having jurisdiction.

*Water, used.* Any water supplied by a water purveyor from a public potable water system to a consumer's water system after it has passed through the point of delivery and is no longer under the sanitary control of the water purveyor.

Division 3. Water Connections

**Sec. 20.06.062 Purpose**

The purpose of sections 20.06.061 through 20.06.068 of this division is the following:

- (1) Protect public water. To protect the public potable water supply of the city from the possibility of contamination or pollution by isolation within the customer's internal distribution system or the customer's private water system such contaminants or pollutants that could backflow into the public water system;
- (2) Eliminate cross connections. To promote the elimination or control of existing cross connections, actual or potential, between the customer's in-plant potable water system and nonpotable water systems, plumbing fixtures, and industrial piping systems; and
- (3) Continuing program. To provide for the maintenance of a continuing program of cross-connection control that will systematically and effectively prevent the contamination or pollution of all potable water systems.

Division 3. Water Connections

**Sec. 20.06.063 Prohibitions and enforcement**

(a) General. No water service connection shall be made to any establishment where a potential or actual contamination hazard exists unless the water supply is protected in accordance with the Texas Commission on Environmental Quality rules and regulations for public water systems (the Texas Commission on Environmental Quality rules) and this division. The city shall discontinue water service if a required backflow prevention assembly is not installed, maintained and tested in accordance with the Texas Commission on Environmental Quality rules and this division.

(b) Enforcement. The city administrator shall be responsible for the enforcement of the Texas Commission on Environmental Quality rules and this division for the protection of the public potable water distribution system from contamination or pollution due to the backflow of contaminants or pollutants through the water service connection. If, in the judgment of the city administrator an approved backflow prevention assembly is required (at the customer's water service connection; or, within the customer's private water system) for the safety of the water system, the city administrator or his designated agent shall give notice in writing to said customer to install such an approved backflow prevention assembly at specific locations on his premises. The customer shall immediately install such approved assembly at his own expense; and, failure, refusal, or inability on the part of the customer to install, have tested, and maintain said assembly shall constitute grounds for discontinuing water service to the premises until such requirements have been satisfactorily met.

Division 3. Water Connections

**Sec. 20.06.064 Water system—Composition**

- (a) The water system shall be considered as made up of two parts: the utility system and the customer system.
- (b) The utility system shall consist of the source facilities and the distribution system, and shall include all those facilities of the water system under the complete control of the utility, up to the point where the customer's system begins.
- (c) The source shall include all components of the facilities utilized in the production, treatment, storage, and delivery of water to the distribution system.
- (d) The distribution system shall include the network of conduits used for the delivery of water from the source to the customer's system.



(e) The customer's system shall include those parts of the facilities beyond the termination of the utility distribution system that are utilized in conveying utility-delivered domestic water to points of use.

### Division 3. Water Connections

#### Sec. 20.06.065 Requirements for connection

(a) Protection required. No water service connection to any premises shall be installed or maintained by the city unless the water supply is protected as required by the Texas Commission on Environmental Quality rules and this division. Service of water to any premises shall be discontinued by the city if a backflow prevention assembly required by this division is not installed, tested, and maintained, or if it is found that a backflow prevention assembly has been removed, bypassed, or if an unprotected cross connection exists on the premises. Service will not be restored until such conditions or defects are corrected.

(b) Customer's system. The customer's system should be open for inspection at all reasonable times to authorized representatives of the city to determine whether cross connections or other structural or sanitary hazard, including violations of these regulations, exist. When such a condition becomes known, the city administrator shall deny or immediately discontinue service to the premises by providing for a physical break in the service line until the customer has corrected the conditions in conformance with state, provincial and city statutes relating to plumbing and water supplies and the regulations adopted pursuant thereto.

(c) Location. An approved backflow prevention assembly shall be installed on each service line to a customer's water system at or near the property line or immediately inside the building being served; but in all cases, before the first branch line leading off the service line wherever the following conditions exist:

(1) In the case of premises having an auxiliary water supply that is not or may not be of safe bacteriological or chemical quality and that is not acceptable as an additional source by the city administrator, the public water system shall be protected against backflow from the premises by installing an approved backflow prevention assembly in the service line, appropriate to the degree of hazard.

(2) In the case of premises on which any industrial fluids or any other objectionable substances are handled in such a fashion as to create an actual or potential hazard to the public water system, the public system shall be protected against backflow from the premises by installing an approved backflow prevention assembly in the service line, appropriate to the degree of hazard. This shall include the handling of process waters and waters originating from the utility system that have been subject to deterioration in quality.

(3) In the case of premises having:

(A) Internal cross connections that cannot be permanently corrected and controlled; or

(B) Intricate plumbing and piping arrangements or where entry to all portions of the premises is not readily accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not dangerous cross connections exist;

the public water system shall be protected against backflow from the premises by installing an approved backflow prevention assembly in the service line.

(4) In all cases where such device is required by the Texas Commission on Environmental Quality rules.

(d) Type of assembly required. The type of protective assembly required under subsections (c)(1), (2) and (3) of this section shall depend upon the degree of hazard that exists, as follows:

(1) In the case of any premises where there is an auxiliary water supply as stated in subsection (c)(1) of this section and it is not subject to any of the following rules, the public water system shall be protected by an approved air gap separation or an approved reduced-pressure principle backflow prevention assembly.

(2) In the case of any premises where there is water or substance that would be objectionable but not hazardous to health, if introduced into the public water system, the public water system shall be protected by an approved double check valve assembly

(3) In the case of any premises where there is any material dangerous to health that is handled in such a fashion as to create an actual or potential hazard to the public water system, the public water system shall be protected by an approved air gap separation or an approved reduced-pressure principle backflow prevention assembly. Examples of premises where these conditions will exist include sewage treatment plants, sewage pumping stations, chemical manufacturing plants, hospitals, mortuaries, and plating plants.

(4) In the case of any premises where there are uncontrolled cross connections, whether actual or potential, the public water system shall be protected by an approved air gap separation or an approved reduced-pressure principle backflow prevention assembly at the service connection.

(5) In the case of any premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impracticable to make a complete in-plant cross-connection survey, the public water system shall be protected against backflow from the premises by either an approved air gap separation or an approved reduced-pressure principle backflow prevention assembly on each service to the premises.

(6) In the case of any premises where, in the opinion of the city administrator, an undue health threat is posed because of the presence of extremely toxic substances, the city administrator may require an air gap at the service connection to protect the public water system. This requirement will be at the discretion of the city administrator and is dependent on the degree of hazard.

(7) In any case where the Texas Commission on Environmental Quality rules require a backflow prevention device or other provision to prevent contamination, the requirements of the Texas Commission on Environmental Quality rules shall govern and control if more stringent than the provisions of this subsection.

(e) Standards for approved device. Any backflow prevention assembly required herein shall be a model and size in compliance with the Texas Commission on Environmental Quality rules, and approved by the city administrator. The term "approved backflow prevention assembly" means an assembly that has been manufactured in full conformance with the standards established by the American Water Works Association titled: AWWA C510-89, Standard for Double Check Valve Backflow Prevention Assembly, and AWWA C511-89, Standard for Reduced-Pressure Principle Backflow Prevention Assembly, and have met completely the laboratory and field performance specifications of the Foundation for Cross-Connection Control and Hydraulic Research of the University of Southern California established by Specification of Backflow Prevention Assemblies, section 10 of the most current issue of the Manual of Cross-Connection Control. The American Water Works Association and Foundation for Cross-Connection Control and Hydraulic Research standards and specifications have been adopted by the city administrator. Final approval shall be evidenced by a certificate of approval issued by an approved testing laboratory certifying full compliance with said American Water Works Association standards and Foundation for Cross-Connection Control and Hydraulic Research specifications. The backflow preventers approved and certified by the Texas Commission on Environmental Quality, or an agency certified by the Texas Commission on Environmental Quality to approve and certify such devices. Backflow preventers that may be subjected to backpressure or backsiphonage that have been fully tested and have been granted a certificate of approval by said qualified laboratory and are listed on the laboratory's current list of approved backflow prevention assemblies may be used without further testing or qualification.

(f) Customer inspections mandated. It shall be the duty of the customer-user at any premises where backflow prevention assemblies are installed to have certified inspections and operational tests made at least once per year. In those instances where the city administrator deems the hazard to be great enough, certified inspections may be required at more frequent intervals. These inspections and tests shall be at the expense of the water user and shall be performed by the assembly manufacturer's representative, water department personnel, or by a certified tester approved by the city administrator. It shall be the duty of the city administrator to see that these tests are made in a timely manner. The customer-user shall notify the city administrator in advance when the tests are to be undertaken so that the customer-user may witness the tests if so desired. These assemblies shall be repaired, overhauled, or replaced at the expense of the customer-user whenever said assemblies are found to be defective. Records of such tests, repairs, and overhaul shall be kept and made available to the city administrator.

(g) Compliance with West Travis County Public Utility Agency Requirements. Customers must comply with any applicable rules or regulations of the West Travis County Public Utility Agency.

### Division 3. Water Connections

#### Sec. 20.06.066 General installation and testing requirements

(a) Installation. All backflow prevention assemblies shall be tested upon installation by a recognized backflow prevention assembly tester and certified to be operating within specifications. Backflow preventers which are installed to provide protection against health hazards must also be tested and certified to be operating with specifications at least annually by a recognized backflow prevention assembly tester.

(b) Installation and testing requirements. All backflow prevention assemblies shall be installed and tested in accordance with the manufacturer's instructions, the American Water Works Association's Recommended Practice for Backflow Prevention and Cross-Connection Control (Manual M14) or the University of Southern California Manual of Cross-Connection Control.

(c) Replacement. Backflow preventers shall be repaired, overhauled, or replaced at the expense of the customer whenever said assemblies are found to be defective. The original documentation of each such test, repair, and overhaul shall be kept and submitted to the city within five working days of the test, repair or overhaul of each backflow prevention assembly.

(d) Removal and replacement. No backflow prevention assembly or device shall be removed from use, relocated, or other assembly or device substituted without the approval of the city. Whenever an existing assembly or device is moved from its location or cannot be repaired, the backflow assembly or device shall be replaced with a backflow prevention assembly or device that complies with this division, the American Water Works Association's Recommended Practice for Backflow Prevention and Cross-Connection Control (Manual M14), the University of Southern California Manual of Cross-Connection Control, or the current plumbing code of the city, whichever is more stringent.

(e) Test equipment. Test gauges used for backflow prevention assembly testing shall be calibrated at least annually in accordance with the American Water Works Association's Recommended Practice for Backflow Prevention and Cross-Connection Control (Manual M14), or the University of Southern California Manual of Cross-Connection Control. The original calibration form must be submitted to the city within five working days after calibration.

(f) Certification. A backflow prevention assembly tester must hold a current endorsement from the Texas Commission on Environmental Quality.

### Division 3. Water Connections

#### Sec. 20.06.067 Customer service inspections

(a) Inspection required. A customer service inspection shall be completed prior to providing continuous water service to all new construction, or any existing service when the city has reason to believe that cross connections or other contaminant hazards exist, or after any material improvement, correction, or addition to the private water distribution facilities.

(b) Qualified inspectors. Only persons with the following credentials shall be recognized as capable of conducting a customer service inspection:

- (1) Plumbing inspectors and water supply protection specialists that have been licensed by the state board of plumbing examiners.
- (2) Certified waterworks operators, and members of other water related professional groups who have completed a training course, passed an examination administered by the Texas Commission on Environmental

Quality or its designated agent, and hold a current endorsement issued by the Texas Commission on Environmental Quality.

(c) **Required certifications.** No direct connection between the city water system and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by a properly installed air gap or an appropriate backflow prevention assembly. The water service shall be discontinued unless the qualified inspector that inspects the customer's water system certifies that:

- (1) There is no direct connection between the city water system and a potential source of contamination.
- (2) No cross connection between the public water supply and the private water source exists. Where an actual properly installed air gap is not maintained between the public water supply and the private water supply, the inspector must certify that an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspecting and testing by a recognized backflow prevention assembly tester.
- (3) No connection exists which allows water to be returned to the public drinking water supply.
- (4) No pipe or pipefitting which contains more than eight percent lead is used for installation or repair of plumbing at any connection that provides water for human use.
- (5) No solder or flux which contains more than 0.2 percent lead is used for the installation or repair of plumbing at any connection that provides water for human use. A minimum of one lead test shall be performed for each inspection.

Division 3. Water Connections
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**Sec. 20.06.068 Amendment and application**

The plumbing code of the city is hereby amended to the extent required to be read and construed in a manner to give effect to this division. In the event of a conflict between this division and any other ordinance or law, the most restrictive standard applies.

(Ordinance 1725.01 adopted 5/16/17)

**Attachment #2 – TCEQ requests for approval**

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



PWS\_1050208\_CO\_20191024\_Status  
CN602491284  
RN110874146

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

October 24, 2019

New owner/proposed letter/1050208  
ROBERT CALLEGARI  
DRIFTWOOD GOLF AND RANCH CLUB  
PO BOX 384  
DRIPPING SPRINGS, TX 78620-0384

Received

OCT 30 2019

City of Dripping Springs

Subject: **Information for a Proposed Public Water System**  
DRIFTWOOD GOLF AND RANCH CLUB - PWS ID 1050208  
HAYS County, Texas

Dear Water System Official:

The Public Drinking Water Section has assigned a public water system identification number (PWS ID) to the proposed project submitted by your engineer to our Texas Commission on Environmental Quality (TCEQ) Utilities Technical Review Team at some time in the past. The seven digit number can be found in the second line of the subject or on the top right corner of this letter. Please refer to this number in any correspondence or conversations with TCEQ with respect to public drinking water activities.

**Your system is classified as a COMMUNITY public water system at this time.** Though it may be many months or several years until your project is completed, approved by TCEQ, and meets the definition of an active PWS, we would like this opportunity to introduce you to the regulatory requirements under the authority of the TCEQ. A water system that provides drinking water to **15 connections or 25 people** is a PWS by rule, please refer to 30 Texas Administrative Code (TAC) Chapter 290.38. You must let us know when your project reaches either of these numbers. At that time we will activate your PWS and you will be subject to all the rules and regulations applicable for your type of water system.

The TCEQ assigns PWS ID numbers in order to track public health matters; **such assignment does not imply approval of the system.** Please note that any modifications to your water system require you to submit new plans and specifications to TCEQ for approval.

We have prepared this list which provides information on design, operations, maintenance, and monitoring, reporting, public notice protocols for public water supplies and opportunities for assistance. Included are the following guidance links:

- Drinking Water Watch Database, used to view data currently stored by TCEQ for a PWS - <https://www.tceq.texas.gov/goto/dww>
- TCEQ Central Registry Database, used to search your customer and regulated entity as well as any permits you may have - <http://www15.tceq.texas.gov/crpub/>

ROBERT CALLEGARI

Page 2

October 24, 2019

- TCEQ Core Data Form, complete a Core Data Form if ownership for this PWS is incorrect or changes - [http://www.tceq.texas.gov/permitting/central\\_registry/](http://www.tceq.texas.gov/permitting/central_registry/)
- New Public Water System - <https://www.tceq.texas.gov/drinkingwater/newsystems.html>
- Operating a Public Water System - <http://www.tceq.texas.gov/drinkingwater/index.html>
- Environmental Laboratory Accreditation - [https://www.tceq.texas.gov/agency/qa/env\\_lab\\_accreditation.html](https://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html) or [https://www.tceq.texas.gov/assets/public/compliance/compliance\\_support/qa/txnclap\\_lab\\_list.pdf](https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/txnclap_lab_list.pdf)
- Public Water System Monitoring Plan - [http://www.tceq.texas.gov/drinkingwater/monitoring\\_plans/monitoring\\_plans.html](http://www.tceq.texas.gov/drinkingwater/monitoring_plans/monitoring_plans.html)
- Residual Disinfectant Reporting for Public Water Systems - [http://www.tceq.texas.gov/drinkingwater/disinfection/dl\\_qor](http://www.tceq.texas.gov/drinkingwater/disinfection/dl_qor)
- Public Notice Language for Drinking Water Contaminants - [https://www.tceq.texas.gov/drinkingwater/chemicals/public\\_notices](https://www.tceq.texas.gov/drinkingwater/chemicals/public_notices)
- Location map/contact information for TCEQ Regional offices - [http://www.tceq.texas.gov/about/directory/maps\\_index.html](http://www.tceq.texas.gov/about/directory/maps_index.html)

Public water systems in Texas can receive free, on-site help with financial, managerial, and technical topics. The TCEQ's Financial, Managerial, and Technical (FMT) Assistance Program utilizes qualified contractors to assist newly-activated public water systems with understanding TCEQ rules, avoiding rule compliance violations, achieving adequate disinfection, and submitting monthly operating reports. Additional or follow up on site FMT assistance may be requested at any time and at no cost to the system. Please email [FMT@tceq.texas.gov](mailto:FMT@tceq.texas.gov) or call Ms. Jessika Gunn-Reece at (512) 239-5278 for more information, including a list of available assistance topics, or to request FMT assistance.

If your water system inventory or ownership information is incorrect, documentation concerning data or legal ownership must be submitted to the Public Drinking Water Section Inventory team by email address at [PWSInven@tceq.texas.gov](mailto:PWSInven@tceq.texas.gov). Failure to do so is a violation of 30 TAC Section 290.46(p).

Sincerely,



Michele Risko, Manager  
Drinking Water Special Functions Section  
Water Supply Division  
Texas Commission on Environmental Quality

MR/CF/db

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

October 29, 2019

Mr. Dennis Lozano, P.E.  
Murfee Engineering Company, Inc.  
1101 Capital of Texas Hwy., South, Bldg. D, Ste. 110  
Austin, TX 78746

Re: Driftwood Golf and Ranch Club - Public Water System ID No. 1050208  
Proposed Interconnect with West Travis County PUA (WTCPUA) to serve Driftwood Golf  
and Ranch Club (DGRC)  
Engineer Contact Telephone: (512) 327-9204  
Plan Review Log No. P-08302019-187  
Hays County, Texas

CN: 602491284; RN: 110874146

Dear Mr. Lozano:

On August 30, 2019, the Texas Commission on Environmental Quality (TCEQ) received planning material for the proposed interconnect. Based on our review, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and is **approved for construction**.

**We note the following:**

- DGRC to be served under direct pressure
- Distribution system for DGRC by future contract.

The submittal consisted of engineering drawings, technical specifications, engineering summary and **wholesale contract between the City of Dripping Springs and WTCPUA** to serve the DGRC (350 connections). **The proposed project consists of:**

- Interconnect with WTCPUA with 300 linear feet of 12-inch AWWA C151 CL250 ductile iron pipe, meter vault and backflow preventer.

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

The project is located at the intersection of FM 1826 and FM 967 in Hays County.

An appointed engineer must notify the TCEQ's Region 11 Office in Austin at (512) 339-2929 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).



Mr. Dennis Lozano, P.E.  
Page 2  
October 29, 2019

Please refer to the Plan Review Team's Log No. P-08302019-187 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:

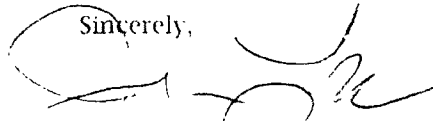
<https://www.tceq.texas.gov/drinkingwater/planrev.html/#status>

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

If you have any questions, please contact John Lock at (512)239-4710 or by email at [john.lock@tceq.texas.gov](mailto:john.lock@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,



John Lock, 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/JL/db

cc: City of Dripping Springs, P.O. Box 38-1, Dripping Springs, TX 78620  
WTCPUA, 12117 Bee Cave Rd., Bldg. 3, 120, Bee Caves, TX 78738

Mr. Dennis Lozano, P.E.  
Page 3  
October 29, 2019

bcc: TCEQ Central Records PWS File 1050208 (Driftwood Golf and Ranch Club/  
P-08302019-187)  
TCEQ Central Records PWS File 2270235  
TCEQ Region No. 11 Office - Austin  
TCEQ PWSINV, MC-155

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

1200 North East Street, Austin, Texas 78702

January 3, 2020

Ms. Iricia S. Tichenor Altamirano, P.E.  
Iricia Altamirano Consulting Engineer, Inc.  
1101 Capital of Texas Highway South, Building D, Suite 210  
Austin, TX 78746

Re: Driftwood Golf and Ranch Club - Public Water System ID No. 1050208  
Proposed Distribution System Improvements for Driftwood Phase 1, Section 2  
Engineer Contact Telephone: (512) 328 2203  
Plan Review Log No. P 11052019 039  
Hays County, Texas

CN: 602491284; RN: 110874146

Dear Ms. Tichenor Altamirano:

On November 5, 2019, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated September 9, 2019 for the proposed distribution system improvements for Driftwood Phase 1, Section 2. 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 is **conditionally approved for construction** if the project plans and specifications meet the following requirement:

- Dechlorination of disinfecting water shall be in strict accordance with current American Water Works Association (AWWA) Standard C655-09 or most recent.

The submittal consisted of 32 sheets of engineering drawings and technical specifications. The approved project consists of:

- Approximately 4,374 linear feet of 8-inch, AWWA Standard C-900, Dimension Ratio 18, polyvinyl chloride pipe; and
- Various valves, fittings, and appurtenances

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

The Driftwood Golf and Ranch Club public water supply system provides water treatment

The Driftwood Phase 1, Section 2 project is located along Thurman Roberts Way in Hays County, Texas

An appointed engineer must notify the TCEQ's Region 11 Office in Austin at (712) 339 2929 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).

Ms. Erica S. Dehler Altamirano, P.E.  
Page 2  
January 3, 2020

Please refer to the Plan Review Team's Log No. P-11052019-039 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:

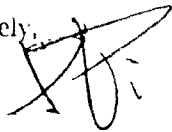
<https://www.tceq.texas.gov/drinkingwater/planrev.html/#status>

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

If you have any questions concerning this letter or need further assistance, please contact Mr. Romulus Atanasiu at (512) 239 2288 or by email at [romulus.atanasiu@tceq.texas.gov](mailto:romulus.atanasiu@tceq.texas.gov) or by correspondence at the following address:

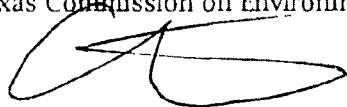
Plan Review Team, MC 159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711 3087

Sincerely,



Jonathan Pi, P.E.  
Plan Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

Fer



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

VP JPI ra sg

cc: Driitwood Golf and Ranch Club, Attn: Mr. Todd Purcell, P.O. Box 384, Dripping Springs, TX 78620 0384

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Regulating Air, Water, and Land

January 3, 2020

Ms. Tricia S. Tichenor Altamirano, P.E.  
Tricia Altamirano Consulting Engineer, Inc  
1101 Capital of Texas Highway South, Building D, Suite 210  
Austin, TX 78746

Re: Driftwood Golf and Ranch Club - Public Water System ID No. 1105208  
Proposed Distribution System improvements for Driftwood Phase 1, Section 1 and  
Driftwood Development  
Engineer Contact Telephone: (512) 328-2203  
Plan Review Log No. P 11052019 038  
Hays County, Texas

CN: 602491284, RN: 110874116

Dear Ms. Tichenor Altamirano:

On November 1, 2019, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated September 9, 2019 for the proposed distribution system improvements for Driftwood Phase 1, Section 1 and Driftwood Development. 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 is **conditionally approved for construction** if the project plans and specifications meet the following requirements.

1. The hydrostatic leakage rate for polyvinyl chloride (PVC) pipe or ductile iron pipe and appurtenances shall not exceed the amount allowed or recommended by formulas in American Water Works Association (AWWA) Standard C607 or C600, respectively, as required by 30 TAC §290.44(a)(5). Please ensure that the formula for this calculation is correct and in use;

$$Q = \frac{LD\sqrt{P}}{148,000}$$

Where:

Q = the quantity of makeup water, in gallons per hour;

L = the length of the pipe section being tested, in feet;

D = the nominal diameter of the pipe, in inches; and

P = the average test pressure during the hydrostatic test, in pounds per square inch.

2. Dechlorination of disinfecting water shall be in strict accordance with current AWWA standard C655-09 or most recent.

The submittal consisted of 24 sheets of engineering drawings and technical specifications. The approved project consists of:

**Driftwood Phase 1, Section 1**

- 4,341 linear feet of 8-inch, AWWA Standard C-900, Dimension Ratio (DR) 18, polyvinyl chloride (PVC) pipe; and,
- Various valves, fittings, and appurtenances.

**Driftwood Development**

- 6,397 linear feet of 12-inch, AWWA Standard C-900, DR18, PVC;
- 2,539 linear feet of 8-inch, AWWA Standard C-900, DR18, PVC; and,
- Various valves, fittings, and appurtenances.

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

The Driftwood Golf and Ranch Club public water supply system provides water treatment

The Driftwood Phase 1, Section 1 project is located along Thurman Roberts Way and Maile Crossing and the Driftwood Development project is located northeast of the intersection of Farm to Market (FM) Road 1826 and FM 967, in Hays County, Texas.

An appointed engineer must notify the TCEQ's Region 11 Office in Austin at (512) 339-2929 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-11052019-038 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:

[#status](https://www.tceq.texas.gov/drinkingwater/planrev.html)

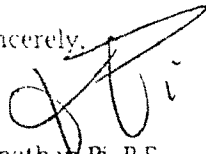
You can download the latest revision of 30 TAC Chapter 290 [Rules and Regulations for Public Water Systems](#) from this site.

Ms. Tricia S. Tichenor-Altamirano, P.E.  
Page 3  
January 3, 2020

If you have any questions concerning this letter or need further assistance, please contact Mr. Romulus Atanasiu at (512) 239-2288 or by email at romulus.atanasiu@teeq.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,



Jonathan Pi, P.E.  
Plan Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Fcv

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

VP/JPI/ra/sg

cc: Driftwood Golf and Ranch Club, Attn: Mr. Todd Purcell, P.O. Box 384, Dripping Springs,  
TX 78620-0384

**Attachment #3 – List of water supply service providers within a 2-mile radius**

CCN #13207

West Travis County Public Utility Agency  
12117 Bee Cave Rd., Bldg 3, Ste. 120  
Austin, TX 78738

CCN #12239

Goldenwood West WSC  
26550 Ranch Road 12 Unit 1  
Dripping Springs, TX 78620

CCN #12413

Radiance WSC  
108 Royal Way Ste 1006  
Austin, TX 78737

CCN #12920

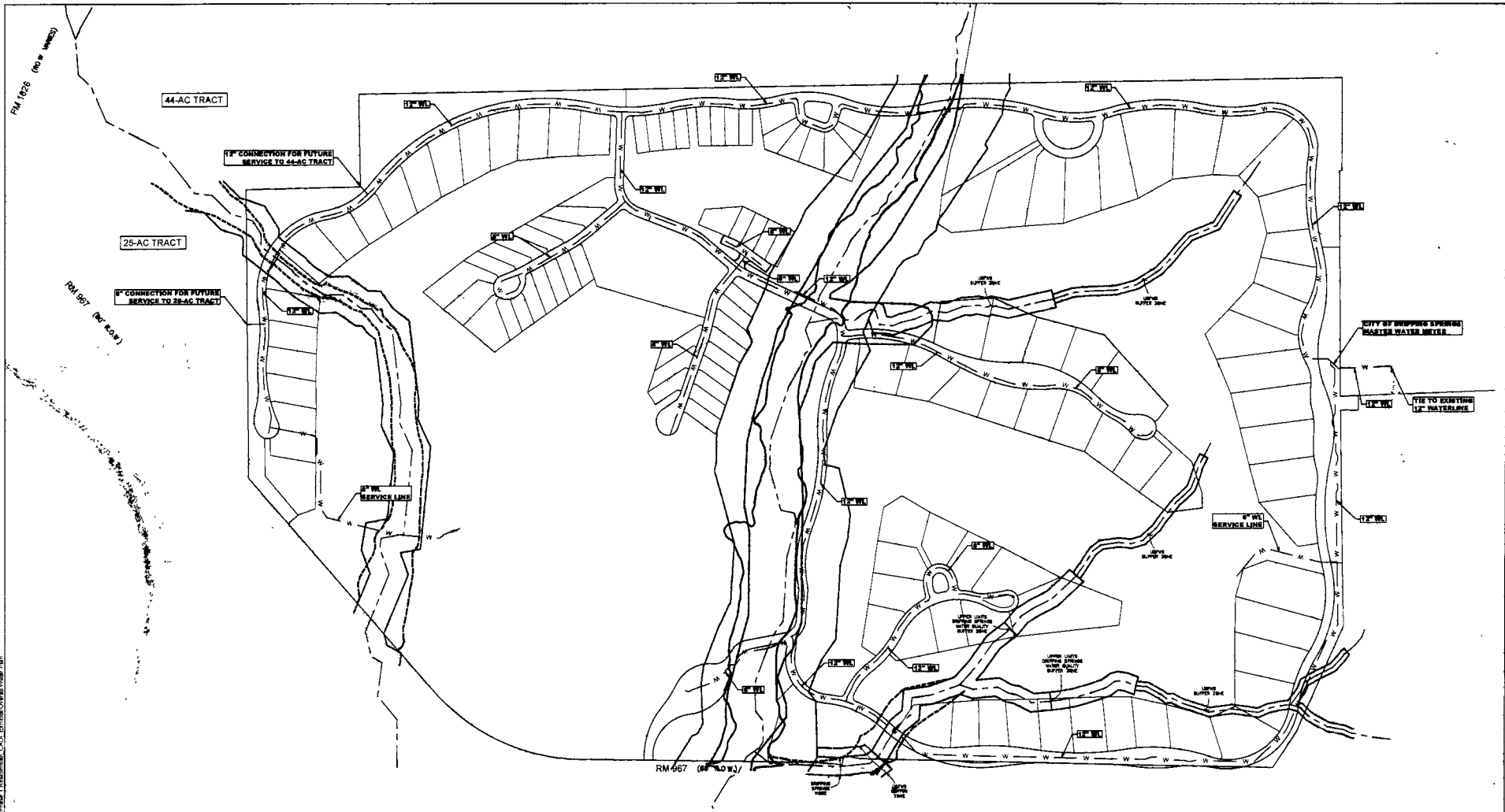
Southwest Liquids Inc.  
1600 Stagecoach Ranch Road  
Dripping Springs, TX 78620

CCN #10315

Dripping Springs WSC  
101 Hays Street, Suite 416  
Dripping Springs, TX 78620

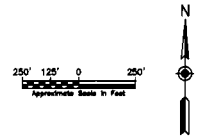


**Attachment #4 – Map of proposed and existing facilities**



**LEGEND**


- W — PROPOSED WATER LINE
- FEMA FLOODPLAIN (100-YR)
- BEST AVAILABLE FLOODPLAIN (100-YR)
- FULLY DEVELOPED FLOODPLAIN (100-YR)
- CITY OF DRIPPING SPRINGS AND U.S. FISH AND WILDLIFE SERVICE WATER QUALITY BUFFER ZONE (SAME EXCEPT WHERE NOTED)



PLOT DATE: Tuesday, November 15, 2016 3:31:03 AM  
 FILE PATH: W:\C:\Users\jmurfee\Desktop\Driftwood\Driftwood\Overall Water Plan

NO	DESCRIPTION	BY	DATE

DESIGNED BY: KMM/KJB  
 DRAWN BY: KJB  
 CHECKED BY: KMM/KJB  
 APPROVED BY: KMM  
 DATE: November 13, 2019



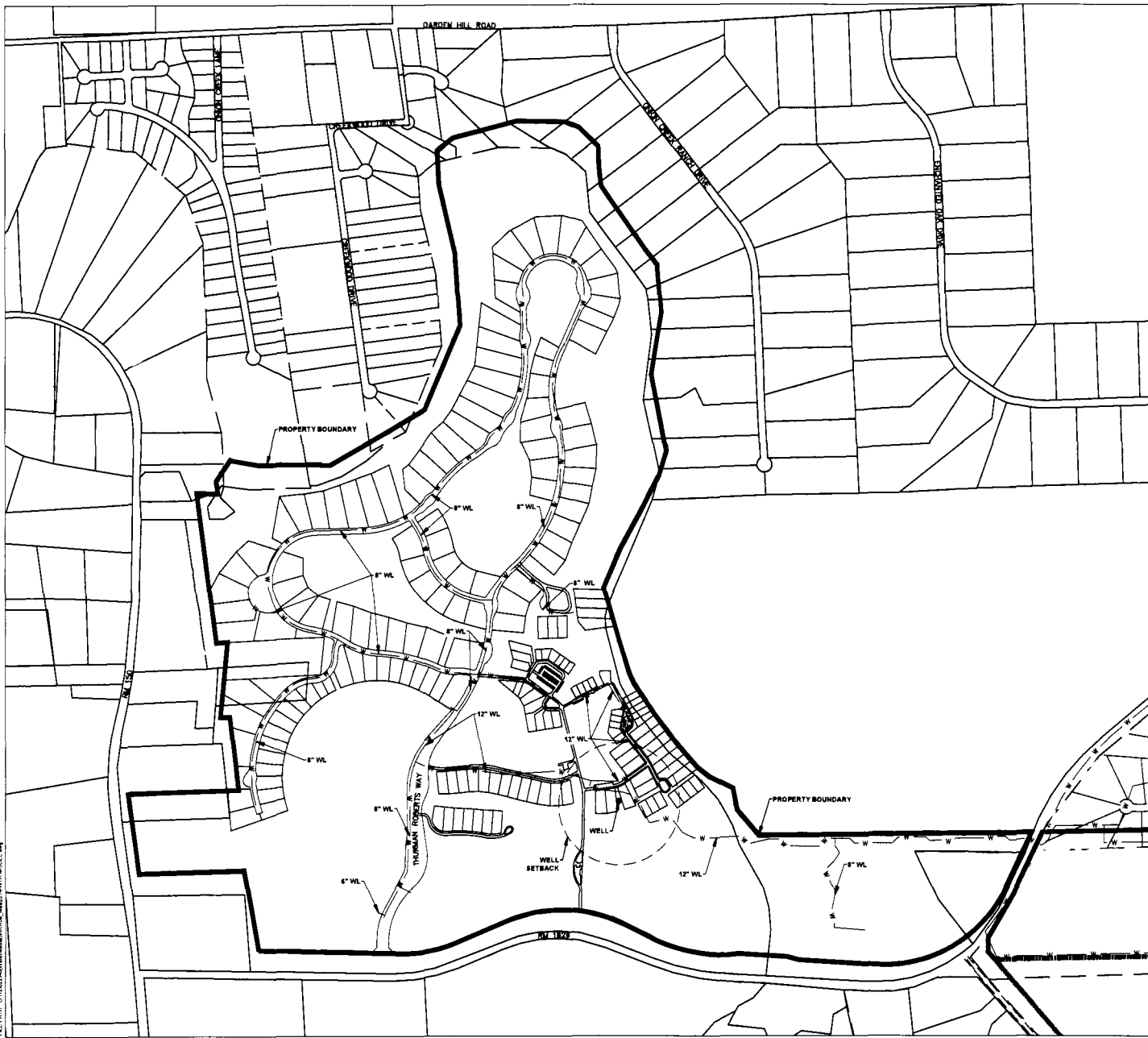
**MURFEE ENGINEERING COMPANY**

1101 CAPITAL OF TEXAS HIGHWAY SOUTH  
 BUILDING D, SUITE 110  
 AUSTIN, TEXAS 78746  
 (512) 327-9204  
 Texas Registered Engineering Firm F-353

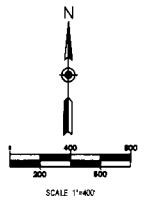
**DRIFTWOOD GOLF AND RANCH CLUB  
 RANCH TRACT  
 OVERALL WATER MASTERPLAN**

SHEET NO:  
**1 OF 1**  
 FILE NO:  
 JOB NO: 18004.100

PLOT DATE 2024.57  
FILE PATH: G:\INSTRUMENTS\1144214\1144214\1144214.dwg



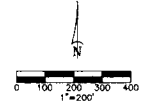
**LEGEND**  
 ——— PROPERTY BOUNDARY  
 — W — PROPOSED WATER LINE



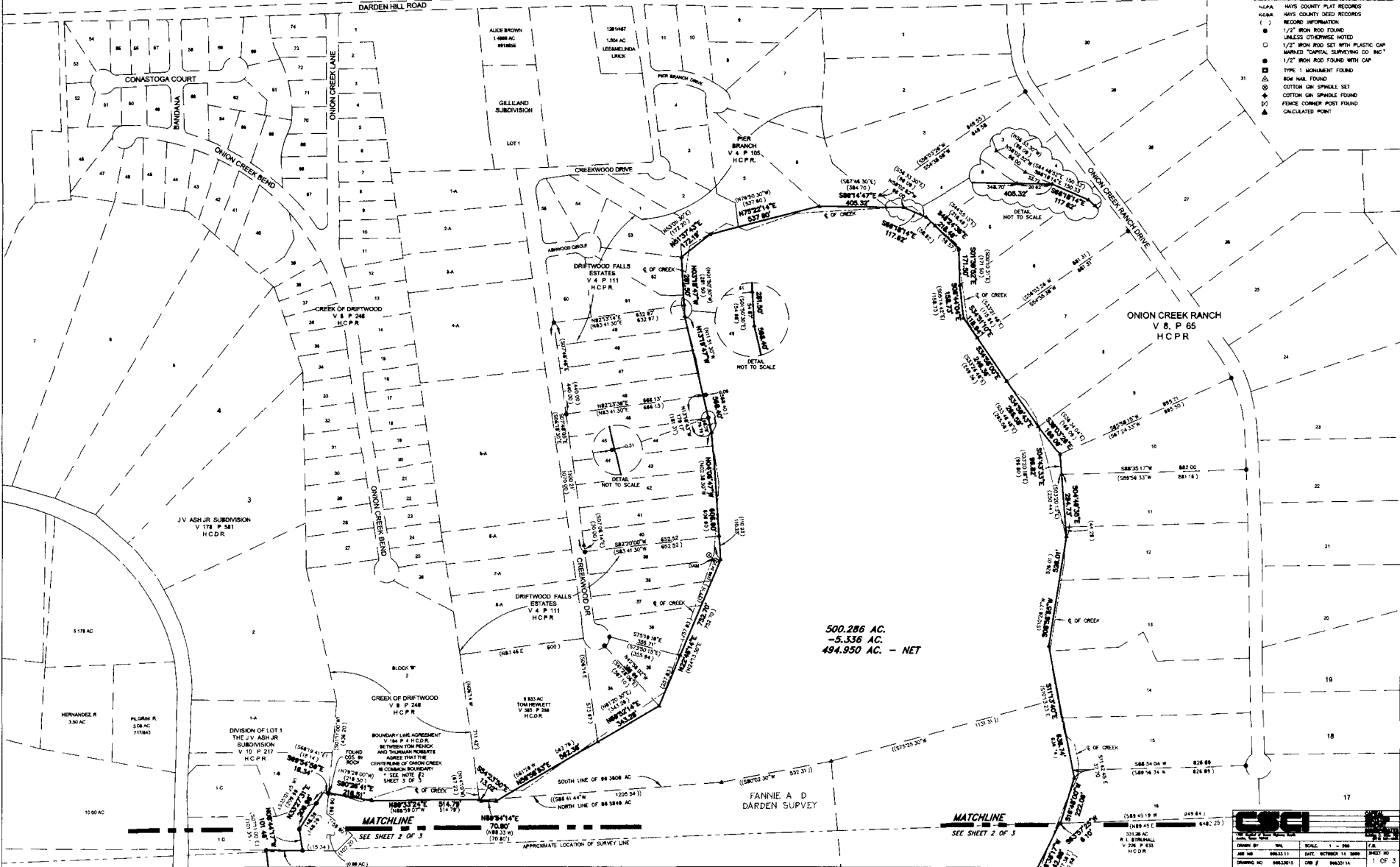
DRIFTWOOD CREEK HAYS COUNTY TEXAS WATER SCHEMATIC	
<b>MEEC</b> MURTEE ENGINEERING COMPANY	
DESIGNED BY: <u>KJM</u>	DRAWN BY: <u>CRB</u>
CHECKED BY: <u>KJM</u>	APPROVED BY: <u>KJM</u>
DATE: <u>5/7/2024</u>	
FILE NO: <u>1144214-1144214-1144214.dwg</u>	
JOB NO: <u>1144214</u>	
SHEET NO: <u>1</u>	

**Attachment #5 – Metes and bounds surveys and maps of the requested area**

MAP OF DRIFTWOOD ECONOMIC  
DEVELOPMENT MUNICIPAL DISTRICT  
HAYS COUNTY, TEXAS



- LEGEND
- MAPA HAYS COUNTY PLAT RECORDS
  - HAYES COUNTY DEED RECORDS
  - ( ) RECORD INFORMATION
  - 1/2" IRON ROD FOUND
  - UNLESS OTHERWISE NOTED
  - 1/2" IRON ROD SET WITH PLASTIC CAP MARKED "CAPITAL SURVEYING CO. INC."
  - 1/2" IRON ROD FOUND WITH CAP
  - TYPE 1 MONUMENT FOUND
  - △ 404 NAIL FOUND
  - ⊙ COTTON GRN. SPINDLE SET
  - ⊙ COTTON GRN. SPINDLE FOUND
  - ⊙ FENCE CORNER POST FOUND
  - ▲ CALCULATED POINT



500.286 AC.  
= 5,336 AC.  
494.950 AC. - NET

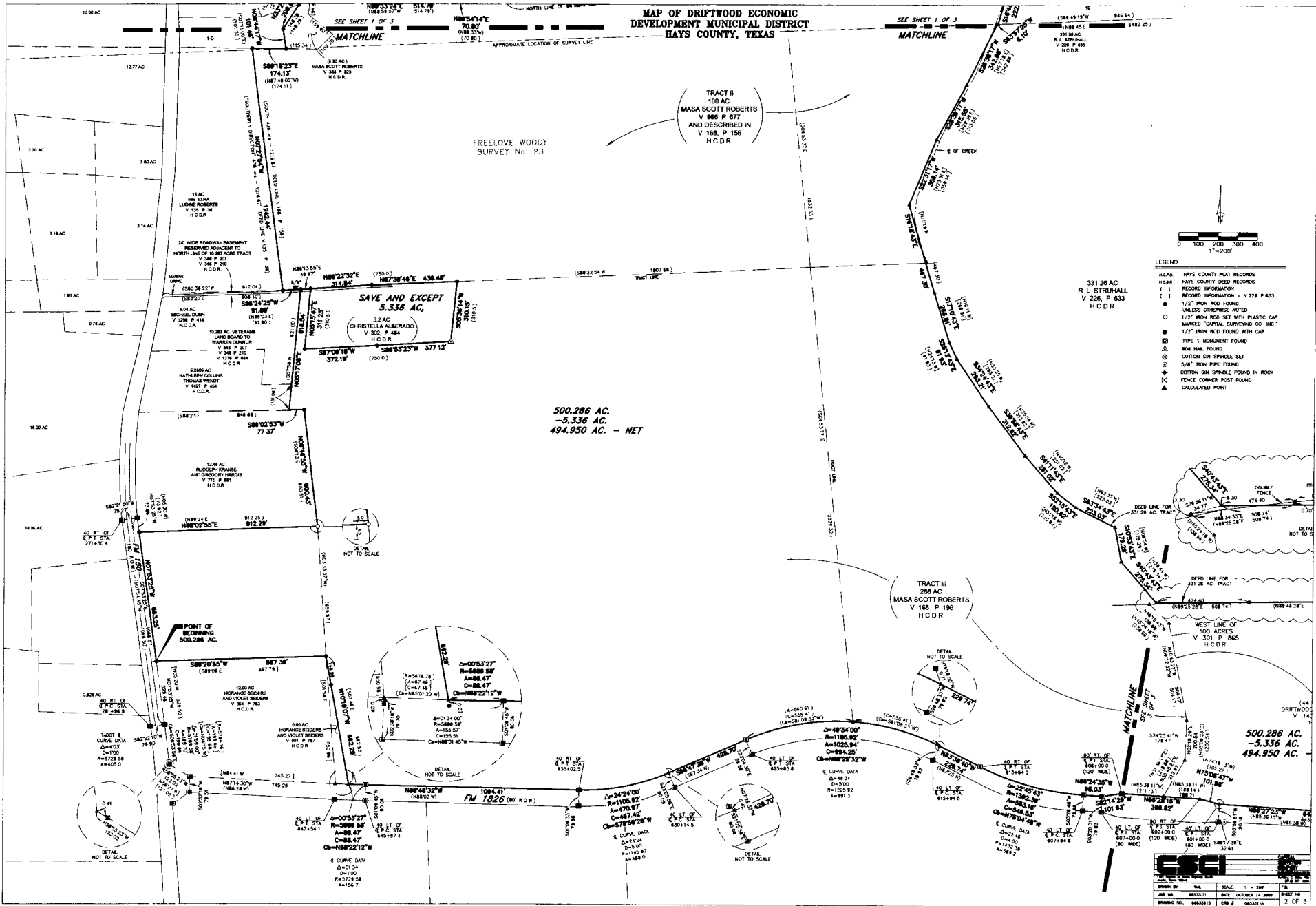
MATCHLINE  
SEE SHEET 2 OF 3  
APPROXIMATE LOCATION OF SURVEY LINE

MATCHLINE  
SEE SHEET 2 OF 3

**C&I**

CREATED BY: [Signature] SCALE: 1" = 200' P.A.  
JOB NO: 080331 DATE: NOVEMBER 11, 2009 SHEET NO: 1 OF 3  
DRAWING NO: 080331-002 # 080331-001

MAP OF DRIFTWOOD ECONOMIC  
DEVELOPMENT MUNICIPAL DISTRICT  
HAYS COUNTY, TEXAS



FREELOVE WOODY  
SURVEY No. 23

TRACT II  
100 AC  
MASA SCOTT ROBERTS  
V 866 P 677  
AND DESCRIBED IN  
V 168, P 156  
H.C.D.R.

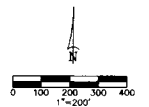
SAVE AND EXCEPT  
5.336 AC.  
CHRISTELLA ALBERADO  
V 302, P 484  
H.C.D.R.

500.286 AC.  
-5.336 AC.  
494.950 AC. - NET

TRACT III  
288 AC  
MASA SCOTT ROBERTS  
V 168 P 196  
H.C.D.R.

500.286 AC.  
-5.336 AC.  
494.950 AC.

- LEGEND
- HC&A HAYS COUNTY PLAT RECORDS
  - HC&R HAYS COUNTY DEED RECORDS
  - ( ) RECORD INFORMATION - V 234 P 633
  - ( ) RECORD INFORMATION - V 234 P 633
  - 1/2" IRON ROD FOUND
  - UNLESS OTHERWISE NOTED
  - 1/2" IRON ROD SET WITH PLASTIC CAP MARKED "CAPITAL SURVEYING CO. INC."
  - 1/2" IRON ROD FOUND WITH CAP
  - ⊠ TYPE I MONUMENT FOUND
  - ⊠ BORN NAIL FOUND
  - ⊠ COTTON OIL SPRINKLE SET
  - ⊠ 3/8" IRON PIPE FOUND
  - ⊠ COTTON OIL SPRINKLE FOUND IN HOLE
  - ⊠ FENCE CORNER POST FOUND
  - ▲ CALCULATED POINT



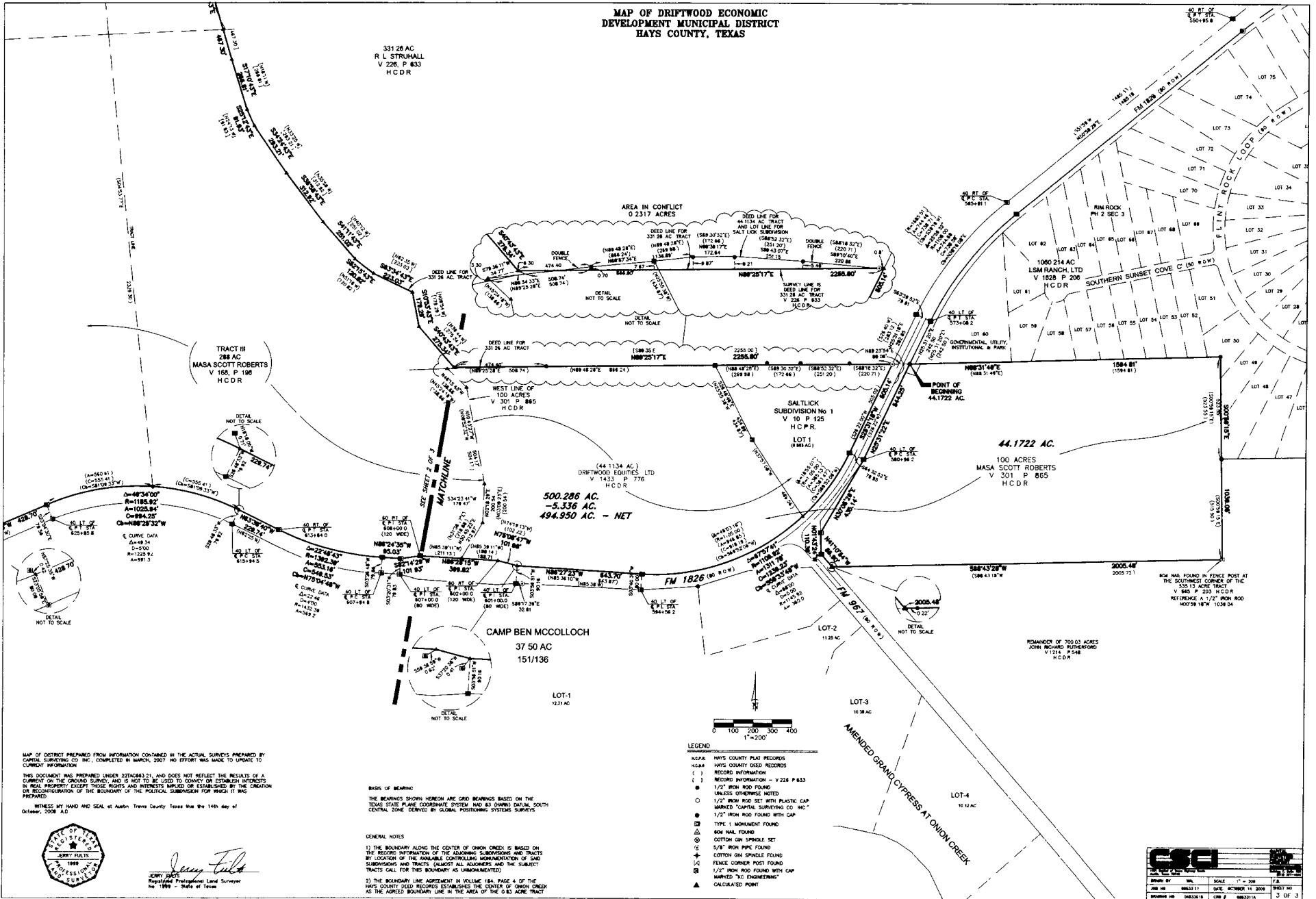
**ESCI**

ENGINEERING SURVEYING & CONSULTING, INC.

1000 W. 14TH ST. SUITE 100  
DALLAS, TEXAS 75202  
PHONE: 972-342-1111 FAX: 972-342-1112

PROJECT NO. 0603311 DATE: OCTOBER 14, 2009 SHEET NO. 2 OF 3

**MAP OF DRIFTWOOD ECONOMIC  
DEVELOPMENT MUNICIPAL DISTRICT  
HAYS COUNTY, TEXAS**



MAP OF DISTRICT PREPARED FROM INFORMATION CONTAINED IN THE ACTUAL SURVEYS PREPARED BY CAPITAL SURVEYING CO. INC., COMPLETED IN MARCH, 2007. NO EFFORT WAS MADE TO UPDATE TO CURRENT INFORMATION.

THIS DOCUMENT WAS PREPARED UNDER SETBACKS 83.1, AND DOES NOT REFLECT THE RESULTS OF A CURRENT OR THE GROUND SURVEY, AND IS NOT TO BE USED TO CONVEY OR ESTABLISH INTERESTS IN REAL PROPERTY EXCEPT THOSE RIGHTS AND INTERESTS AFORESAID OR ESTABLISHED BY THE CREATION OR RECONFIGURATION OF THE BOUNDARY OF THE POLITICAL SUBDIVISION FOR WHICH IT WAS PREPARED.

WITNESS MY HAND AND SEAL at Austin, Texas County, Texas this 14th day of October, 2008 A.D.



*Jerry Full*  
 Jerry Full  
 Registered Professional Land Surveyor  
 No. 1999 - State of Texas

**BASIS OF BEARING:**  
 THE BEARINGS SOUTH-NORTH ARE GRID BEARINGS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, MAG. 83 (DMM) DATUM, SOUTH CENTRAL ZONE DERIVED BY GLOBAL POSITIONING SYSTEMS SURVEYS.

**GENERAL NOTES:**  
 1) THE BOUNDARY ALONG THE CENTER OF ONION CREEK IS BASED ON THE RECORD INFORMATION OF THE ALLOWING SUPERSEDES AND TRAVELS BY LOCATION OF THE AVAILABLE CONTROLLING MONUMENTATION OF SAID SUPERSEDES AND TRACTS (EXCEPT ALL ADJOINERS AND THE SUBJECT TRACTS CALL FOR THIS BOUNDARY AS UNMONTAINED).  
 2) THE BOUNDARY LINE AGREEMENT IN VOLUME 18A, PAGE 4 OF THE HAYS COUNTY FIELD RECORDS ESTABLISHES THE CENTER OF ONION CREEK AS THE AGREED BOUNDARY LINE IN THE AREA OF THE 0.83 ACRE TRACT

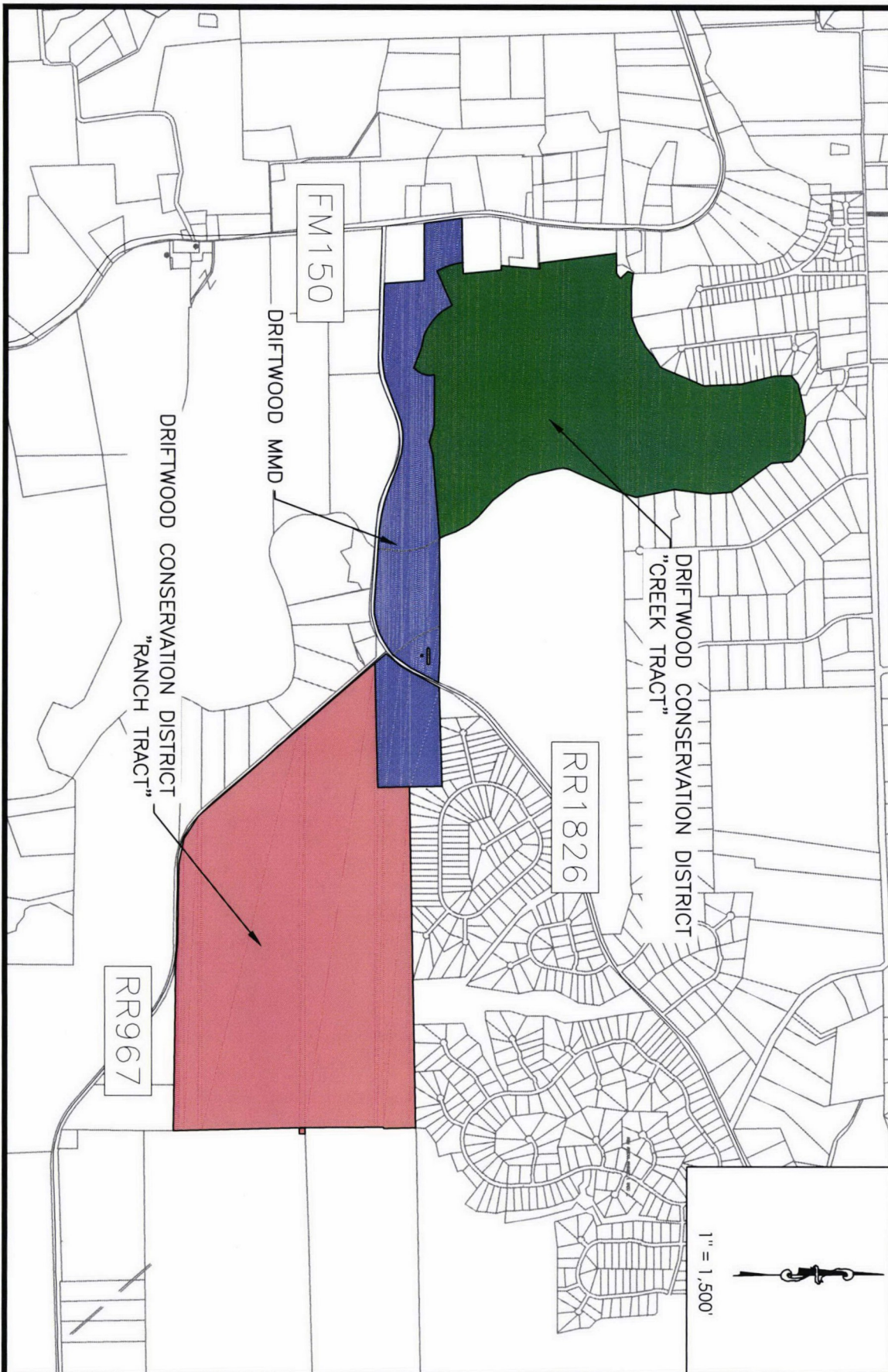
- LEGEND**
- ALFA HAYS COUNTY PLAT RECORDS
  - ALFA HAYS COUNTY DEED RECORDS
  - ( ) RECORD INFORMATION - V 228 P 833
  - ( ) RECORD INFORMATION - V 228 P 833
  - UNLESS OTHERWISE NOTED
  - 1/2" IRON ROD SET WITH PLASTIC CAP
  - 1/2" IRON ROD FOUND
  - 1/2" IRON ROD FOUND WITH CAP
  - ⊕ TYPE 1 MONUMENT FOUND
  - ⊕ IRON NAIL FOUND
  - ⊕ COTTON OIL SPINDLE SET
  - ⊕ 5/8" IRON PIPE FOUND
  - ⊕ COTTON OIL SPINDLE FOUND
  - ⊕ FENCE CORNER POST FOUND
  - ⊕ 1/2" IRON ROD FOUND WITH CAP
  - ⊕ MARKED "C" ENGINEERING
  - ▲ CALCULATED POINT

DRAWN BY	WFL	SCALE	1" = 200'	F.S.
JOB NO.	080311	DATE	NOVEMBER 14, 2009	SHEET NO.
DRAWING NO.	080311B	CAD #	080311A	3 OF 3



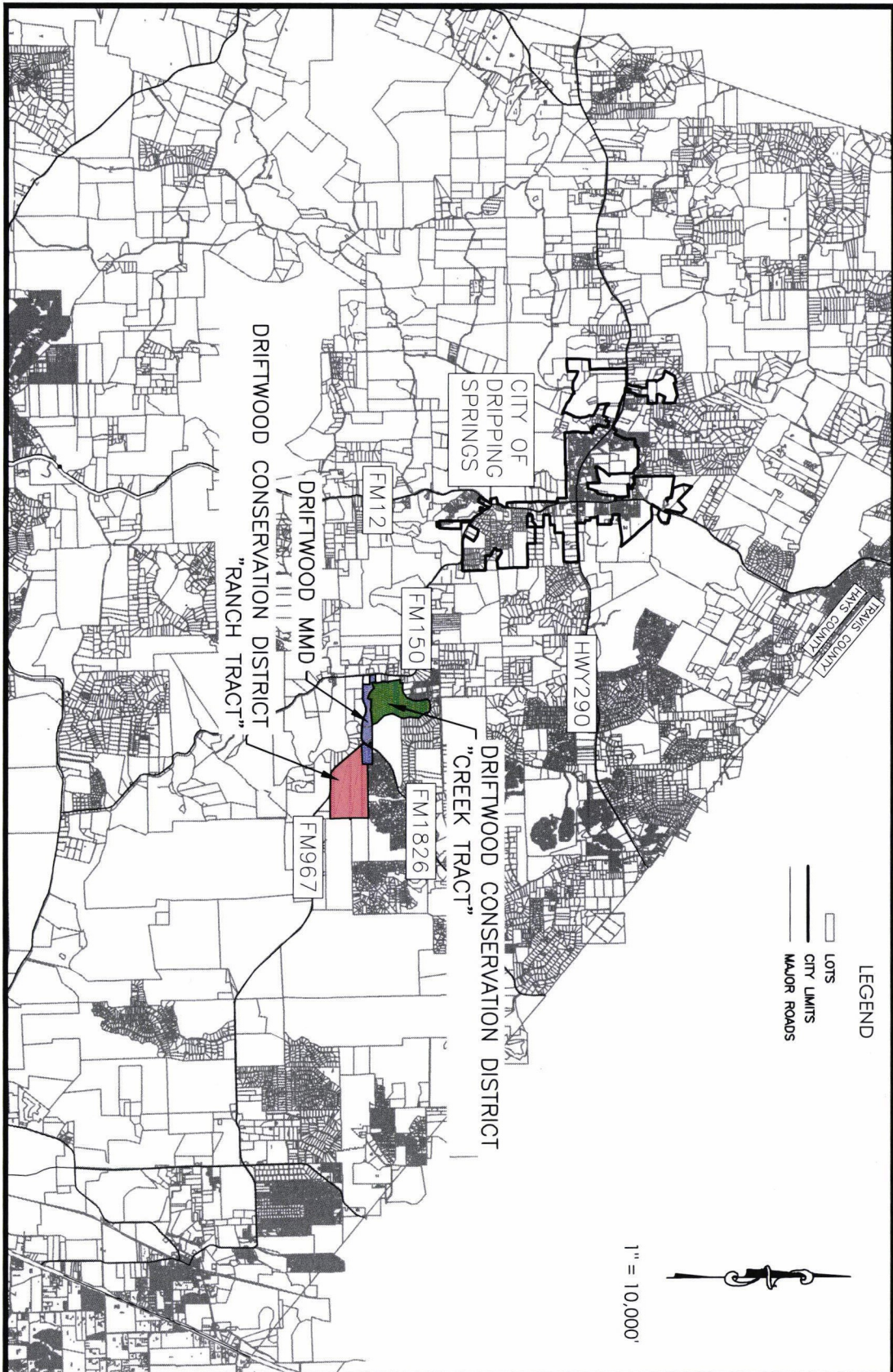






**CMA ENGINEERING, INC.**  
 235 LEDGE STONE DRIVE  
 AUSTIN, TEXAS 78737  
 (512) 432-1000 Fax: (512) 432-1015  
 Registration # F-3053


**CITY OF DRIPPING SPRINGS**  
**WATER CCN#13030 AMENDMENT**  
**DETAILED MAP**



**LEGEND**

- LOTS
- CITY LIMITS
- MAJOR ROADS

1" = 10,000'



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CITY OF DRIPPING SPRINGS  
 WATER CCN#13030 AMENDMENT  
 GENERAL LOCATION MAP