

**130 ENVIRONMENTAL PARK  
CALDWELL COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 2383**

**TYPE I PERMIT APPLICATION**

**PART I  
SITE AND APPLICANT INFORMATION**

Prepared for

**130 ENVIRONMENTAL PARK, LLC**

Technically Complete October 28, 2014



Prepared by

**Biggs & Mathews, Inc.**  
Firm Registration No. F-834

**BIGGS & MATHEWS ENVIRONMENTAL**

1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
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# 1 GENERAL

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30 TAC §330.59(a)(1)

130 Environmental Park, LLC intends to permit and operate a new municipal solid waste facility in northern Caldwell County east of State Highway 130 (SH130). The 130 Environmental Park includes a proposed Type I municipal solid waste disposal facility. The site entrance will be located approximately 1,500 feet north of the intersection of US Highway 183 (US183) and Farm to Market Road 1185 (FM1185), on the east side of SH130. US183 serves as the frontage road for SH130 in the general vicinity of the facility. The proposed facility is intended to provide waste disposal for residences and businesses in Caldwell County and surrounding Texas counties. The facility will be designed to protect the health and safety of the people in the region.

This application has been prepared consistent with 30 TAC Chapter 330 Municipal Solid Waste Management Regulations (MSWMR) adopted by the Texas Commission on Environmental Quality (TCEQ), effective as of the date of this application.

Part I of this permit application contains information about the site and the applicant as required in 30 TAC §§281.5, 305.45, and 330.59. Part II of the permit application describes the existing conditions and character of the facility and surrounding area as required in §330.61.

Part III of the permit application presents engineering information, detailed investigative reports, the schematic designs of the facility, and the plans as required in §330.63. Part IV of the permit application contains the Site Operating Plan, which includes specific information regarding the daily operations of the site, as required in §330.65.

## 1.1 Site History

The proposed 130 Environmental Park facility boundary will consist of approximately 520 acres ("the site") out of a tract of land consisting of approximately 1,229 acres ("the property") and currently owned by Cathy Moore Hunter. 130 Environmental Park, LLC has entered into an agreement with Cathy Moore Hunter and will purchase the property prior to its development and operation of 130 Environmental Park on the site. Refer to Drawing IA.6 – General Site Plan for the property boundary and facility boundary. The overall property consists of gently undulating grasslands with limited forest cover. The property generally slopes to the south. The major topographic feature of the property is the Soil Conservation Service Site 21 Reservoir on Dry Creek; Dry Creek traverses the property in a northeast to southwest direction, entering Plum Creek approximately five miles south of the property. Plum Creek eventually flows in a southeast direction, entering the San Marcos River about 23 miles downstream from the property. The facility boundary is located in the northern portion of the property, northwest of Dry Creek. Portions of the facility boundary along Dry Creek and unnamed tributaries are located within the limits of the 100-year floodplain, however, the entirety of the landfill footprint, processing and/or storage units, and entrance facilities will be located outside of the 100-year floodplain.

The property has been historically used as pasture and ranchland dating back at least to the mid-1930s. No waste disposal activities have occurred on the site and no permitting or construction permit approvals have been applied for or received.

In accordance with §305.45(a)(7), a Type V Transfer Station Registration has been applied for and assigned the application number 40269; the application is pending at this time. There have been no permits or construction approvals applied for or received under any of the following programs:

(A)	Hazardous Waste Management Program under the Texas Solid Waste Disposal Act
(B)	Underground Injection Control Program under the Texas Injection Well Act
(C)	National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under the Texas Water Code, Chapter 265
(D)	Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA)
(E)	Nonattainment Program under the FCAA
(F)	National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under FCAA
(G)	Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act
(H)	Dredge or Fill Permits under the FCAA
(I)	Licenses under the Texas Radiation Control Act
(J)	Subsurface Area Drip Dispersal System Permits under Texas Water Code, Chapter 32
(K)	Other environmental permits

## 1.2 Supplementary Technical Report

The proposed 130 Environmental Park facility boundary will encompass about 520 acres out of the approximately 1,229-acre property boundary. The landfill facility will be accessed from northbound US183 through an entrance road. A gatehouse and scales will be provided within the facility boundary. Additional facilities located within the facility boundary will include a maintenance area, citizen convenience center, reusable materials staging area, large item storage area, used/scrap tire storage area, woodwaste processing area, leachate storage facility, and truck wheel wash. A Type V transfer station (Registration No. 40269, application pending) is also proposed to be located within the facility boundary.

The landfill footprint will cover approximately 202 acres and is intended to provide about 44 years of site life. The landfill method will be below-grade fill with 4H:1V liner sidewall

slopes and aerial fill with 4H:1V final cover side slopes, with a maximum 6 percent final cover top slope. The drainage system will be designed to meet or exceed TCEQ and EPA requirements for runoff and runoff. The landfill liner, leachate collection, final cover, gas monitoring, and groundwater monitoring systems will be designed to meet the Subtitle D and TCEQ requirements, whichever are more stringent.

The proposed landfill will have a waste disposal capacity of approximately 33.1 million cubic yards of waste and daily/intermediate cover, or approximately 26.5 million tons of waste capacity. Refer to Part III, Attachment D4 – Site Life, for the disposal capacity and site life calculations.

It is estimated that the landfill will receive about 429,000 tons of waste (approximately 1,500 tons per day) in the initial year following construction of the facility. The waste acceptance rate will vary over the life of the facility depending on market conditions. The maximum rate of waste disposal is expected to be approximately 841,803 tons per year (approximately 2,943 tons per day). The waste acceptance rate per day is based on the facility being authorized to accept waste five and one half (5.5) days per week.

The following table provides a summary of the current proposed permit conditions:

#### **PERMIT CONDITION SUMMARY**

	<b>Proposed Condition</b>
Permitted Area	520 acres
Waste Disposal Unit Area	202 acres
Buffer/Other Areas	318 acres
Total Permitted Capacity	33.1 million cubic yards
Total Projected Site Life	44 years
Maximum Elevation of Final Cover (msl)	736 feet

The major classifications of solid waste to be accepted for disposal at 130 Environmental Park include municipal solid waste, special waste, and Class 2 and 3 industrial wastes as defined by §330.3. Special wastes accepted at the facility authorized by §330.171(c) include regulated asbestos-containing materials (RACM), nonregulated asbestos-containing materials (non-RACM), and empty containers. In addition, other special wastes may be accepted based on a waste-specific approval as authorized by §330.171(b) and the facility.

130 Environmental Park is proposed to include facilities for storage and processing of waste materials. Facilities include the proposed Type V transfer station, large item storage area, reusable materials staging area, citizens convenience center, used/scrap tire storage area, and wood waste processing area. Materials accepted for storage or processing include construction and demolition wastes, white goods, inert materials, asphalt pavement or asphaltic concrete, source-separated recyclable materials, used or scrap tires, brush, and yard waste. In addition, municipal solid waste may be temporarily stored at the citizens convenience center.

130 Environmental Park will not accept medical waste, sewage, dead animals and/or slaughterhouse waste, sludge, grease trap waste, grit trap waste, liquid waste from municipal sources, municipal hazardous waste from conditionally exempt small quantity generators, or out-of-state wastes. The facility will not accept Class 1 industrial solid wastes, except for wastes that are Class 1 only because of asbestos content. The waste classifications are defined in §330.3.

Consistent with §330.15, the facility will not accept for disposal lead acid storage batteries; used motor vehicle oil; used oil filters; whole used or scrap tires; refrigerators, freezers, air conditioners or other items containing chlorinated fluorocarbons (CFC); bulk or noncontainerized liquid waste from nonhousehold sources; regulated hazardous waste; polychlorinated biphenyls (PCB) waste; radioactive materials; or other wastes prohibited by TCEQ regulations.

## **2 FACILITY LOCATION**

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30 TAC §330.59(b)(1)-(3)

### **2.1 Location Description**

130 Environmental Park includes a proposed Type I municipal solid waste disposal facility located in northern Caldwell County, Texas. 130 Environmental Park is located approximately 0.6 miles east of SH130 and 0.7 miles north of FM1185. The site entrance is located approximately 1,500 feet north of the intersection of US183 and FM1185, east of SH130. US183 serves as the frontage road for SH130 in the general vicinity of the facility. The site is located more than two miles north of the limits of the City of Lockhart. The proposed landfill location is outside the city limits and extraterritorial jurisdiction of the City of Lockhart.

### **2.2 Access Routes**

Access to the facility is directly from the northbound frontage road of SH130 (US183), approximately 1,500 feet north of the intersection of US183 and FM1185. SH130 is the primary north-south regional access route.

Refer to Drawing IA.1 – General Highway Map for the location of the facility in relation to the surrounding roads.

### **2.3 Geographic Coordinates**

The latitudinal and longitudinal geographic coordinates of the site benchmark shown on Drawing IA.6 – General Site Plan are:

Latitude: N 29°58' 43.75"  
Longitude: W 97°39' 24.76"  
Elevation (above msl): 592.37 ft-msl

## **3 MAPS**

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30 TAC §§305.45(a)(6), 330.59(c)(1)-(3)

### **3.1 General Location Maps**

The following maps, collectively as a group, comply with the rule requirements of §330.59(c)(1)-(2) and §305.45. Drawing IA.4 depicts the information required by 30 TAC §305.45(a)(6)(A). The base map used for each of the general location maps is the most current version available from each respective source as noted on each general location map. These general location maps are included in Appendix IA – General Location Maps:

- Drawing IA.1 – General Highway Map
- Drawing IA.2 – Detailed Highway Map
- Drawing IA.3 – General Topographic Map
- Drawing IA.4 – Wells, Springs and Water Bodies Location Map
- Drawing IA.5 – Aerial Photograph
- Drawing IA.6 – General Site Plan

### **3.2 Land Ownership Map and Land Owners List**

A Land Ownership Map and Land Owners List are included in Appendix IB and reflect current property ownership within 1/4-mile of the proposed facility boundary as shown in the records of the Caldwell County Appraisal District. No mineral interest ownership information was available within the Caldwell County Appraisal District records for the facility property. The map and list meet the requirements of 30 TAC §305.45(a), §330.59(c)(3), and §281.5. The list is also provided in electronic format on the enclosed CD per the requirements of 30 TAC §330.59(c)(3)(B).



## **4 PROPERTY OWNER INFORMATION**

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*30 TAC §330.59(d)(1)-(2); 330.61(c)(10)*

### **4.1 Legal Description**

The legal description metes and bounds for the 130 Environmental Park, LLC facility boundary and the Caldwell County volume and page number are included in Appendix IC. The drawing of the facility boundary is included in Appendix IC, Drawing IC.1 – Facility Boundary Map.

### **4.2 Drainage, Pipeline, and Utility Easements**

The drainage, pipeline, and utility easement locations are provided in Appendix IC on Drawing IC.1. The drainage, pipeline, and utility easements are also included in Appendix IA on Drawing IA.6 – General Site Plan, as required by §330.61(c)(10).

### **4.3 Property Owner Affidavit**

The property owner affidavit for this permit application found on page 9 of the Part I Form meets the requirements of §330.59(d)(2) and §305.43(c).

## 5 LEGAL AUTHORITY

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*30 TAC §330.59(e)*

The current owner of the site is Cathy Moore Hunter, a natural person.

130 Environmental Park, LLC, the applicant, will own and operate 130 Environmental Park.

Verification of the legal authority and status of 130 Environmental Park, LLC, as required by §330.59(e) and §281.5, is included in Appendix ID – Legal Authority. No other person or entity has over a 20 percent ownership of the proposed facility.

## 6 EVIDENCE OF COMPETENCY

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30 TAC §330.59(f)(1)-(6)

The evidence of competency for this permit applicant follows and meets the requirements of §330.59(f).

130 Environmental Park, LLC, a Georgia limited liability company, is authorized to do business in Texas as 130 Environmental Park, LLC and will own and operate the permitted municipal solid waste landfill facility and registered transfer station (MSW Registration No. 40269, application pending). 130 Environmental Park, LLC does not own or operate other facilities in Texas.

130 Environmental Park, LLC has no financial interests outside the state of Texas.

### 6.1 Management and Personnel

Consistent with §330.59(f)(4), the names of the 130 Environmental Park, LLC principals and supervisors are provided below along with previous affiliations with other organizations engaged in solid waste activities.

**Ernest Kaufmann** – Mr. Kaufmann has spent the last 20 years as a solid waste professional, including as an elected member of the City of Huntsville, Alabama City Council, and as an executive and manager with Browning-Ferris Industries (BFI). Mr. Kaufmann has led groups of professionals in permitting and developing environmental infrastructure projects in the southern United States. These projects have included MSW landfills, stream mitigation banks, water distribution, sanitary sewage facilities, and industrial parks. Mr. Kaufmann is President and Manager of 130 Environmental Park, LLC. Mr. Kaufmann has participated in numerous waste industry groups including Solid Waste Association of North America (SWANA) and National Solid Waste Management Association (NSWMA).

**Oscar Allen** – Mr. Allen has worked for 30 years in both the power and waste management fields. After starting as an engineer in the nuclear energy field, he moved to coal fired generation and then on to the Waste to Energy business where he was an engineer and executive for over 15 years. Mr. Allen has permitted and operated numerous waste to energy facilities around the United States with Covanta. Operation of these facilities included overseeing the residuals and bypass landfills associated with each facility.

**Thad Owings** – Mr. Owings has over 20 years in the waste industry working for BFI, Allied Waste Industries and Republic Services. He has direct experience in all phases of landfill permitting, construction and management. He has facilitated full technical oversight on greenfield construction, as well as expansion plans for major landfills. He has successfully negotiated contracts including solid waste authorities, while holding full profit/loss responsibility for multiple divisions. Mr. Owings is experienced in management and operation of major city contracts. He has over 10 years of experience

in a myriad of environmental compliance functions, landfill gas to energy projects and management of both facility compliance and community affairs. Mr. Owings is currently managing the permitting of MSW facilities in Texas.

### **Landfill Manager**

The landfill manager, at a minimum, will have experience in earthmoving operations, and will have a minimum of one year of landfill operational experience. The landfill manager will have and maintain a MSW Facility Class A license as a municipal solid waste facility supervisor in accordance with 30 TAC, Chapter 30, Subchapter F: Municipal Solid Waste Facility Supervisors.

The aforementioned staff will provide oversight and training for employees at the facility. Individual experience of on-site operators will be provided to the TCEQ officials upon request.

## **6.2 Equipment Dedicated to 130 Environmental Park**

Sufficient equipment will be provided to conduct site operations in accordance with the landfill design and permit conditions. The equipment requirements for this facility will be based on anticipated solid waste volume and field conditions consistent with §330.127(2).

## Equipment Dedicated to 130 Environmental Park<sup>(1)</sup>

### Type I Municipal Solid Waste Disposal Facility

Equipment <sup>(3)</sup>	Typical Size <sup>(4)</sup>	Number <sup>(5)</sup>		Function
		Less than 750,000 tons per year	750,001 to 841,803 tons per year	
Compactor(s)	CAT 836	1	2	Waste compaction and fire protection
Dozer(s)	CAT D7, D8	1	2	Soil movement and placement, waste spreading, and fire protection
Scraper(s) <sup>(2)</sup>	CAT 621E	1	2	Soil excavation and hauling, and fire protection
Excavator <sup>(2)</sup>	CAT 330BL	1	1	Soil excavation
Haul Truck(s) <sup>(2)</sup>	10 to 40 ton	1	2	Soil hauling and fire protection
Motor Grader	CAT 120	1	1	Roadway maintenance
Farm Tractor	35 HP	1	1	Miscellaneous maintenance
Pickup Truck(s)	½ ton	1	1	Personnel use, litter control, maintenance
Water Truck(s)	1,000 to 4,000 gallons	1	1	Fire control, dust control, earthfill compaction
Pump(s)	10 to 500 gpm	1	1	Stormwater pumping
Rotary Broom	3 to 6-foot broom width	1	1	Sweeping and cleaning of paved roads

<sup>(1)</sup>The manufacturers of heavy equipment and miscellaneous vehicles and equipment may vary.

<sup>(2)</sup>Soil excavation will be conducted with scraper(s) or with an excavator and haul truck(s). The landfill will determine appropriate excavation equipment as the landfill is developed.

<sup>(3)</sup>Backup equipment will be provided from contractors or local rental companies in the event of an equipment breakdown or maintenance to avoid interruption of waste services.

<sup>(4)</sup>Typical size is minimum size to be provided.

<sup>(5)</sup>The number stated for each piece of equipment is the minimum number for each piece of equipment to be provided.

## **7 APPOINTMENTS**

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*30 TAC §330.59(g)*

The appointments prepared for this permit application meet the requirements of §330.59(g) and §305.44. The Engineer's Appointment is provided in Appendix IE – Appointments.

## **8 APPLICATION FEES**

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*30 TAC §330.59(h)(1)-(2)*

On behalf of 130 Environmental Park, LLC, Biggs and Mathews Environmental, Inc. has made payment of the \$150 permit application fee in accordance with §330.59(h). This fee was paid by check at time of application delivery at TCEQ offices.

A copy of the check is provided in Appendix IF – Documentation of Application Fee Payment.

**130 ENVIRONMENTAL PARK**  
**APPENDIX IA**  
**GENERAL LOCATION MAPS**

Technically Complete October 28, 2014



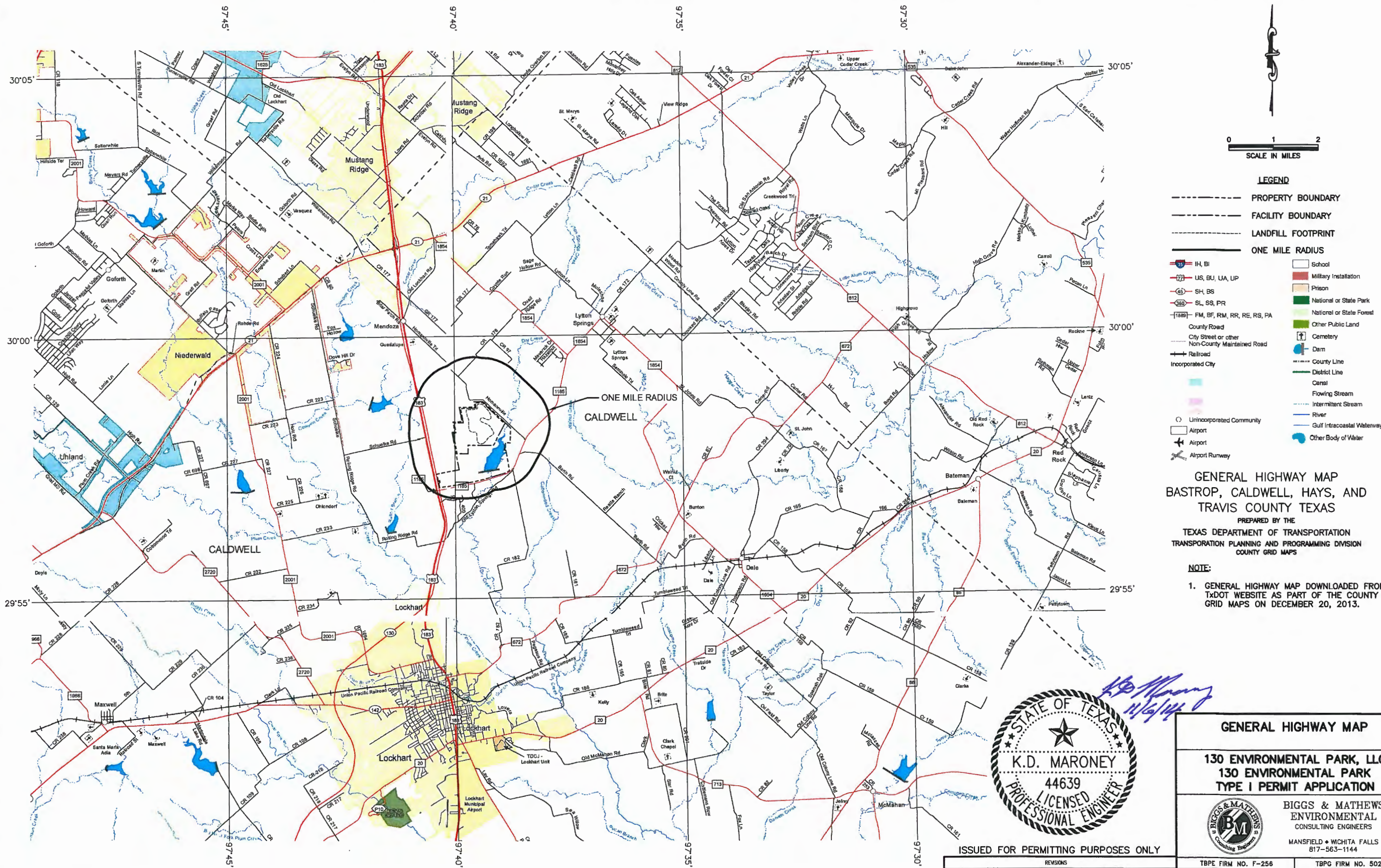
## CONTENTS

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- IA.1 General Highway Map
- IA.2 Detailed Highway Map
- IA.3 General Topographic Map
- IA.4 Wells, Springs and Water Bodies Location Map
- IA.5 Aerial Photograph
- IA.6 General Site Plan



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GENERAL HIGHWAY MAP  
BASTROP, CALDWELL, HAYS, AND  
TRAVIS COUNTY TEXAS

PREPARED BY THE  
TEXAS DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
COUNTY GRID MAPS

NOTE:

1. GENERAL HIGHWAY MAP DOWNLOADED FROM  
TxDOT WEBSITE AS PART OF THE COUNTY  
GRID MAPS ON DECEMBER 20, 2013.



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REVISIONS							TBPE FIRM NO. F-256		TBPG FIRM NO. 50222		DRAWING  IA.1
							DSN. KDM	DATE : 08/13			
-	10/28/14	TECHNICALLY COMPLETE	GLW	KDM	KDM	KDM	DWN. GLW	SCALE : GRAPHIC			
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GENERAL HIGHWAY MAP

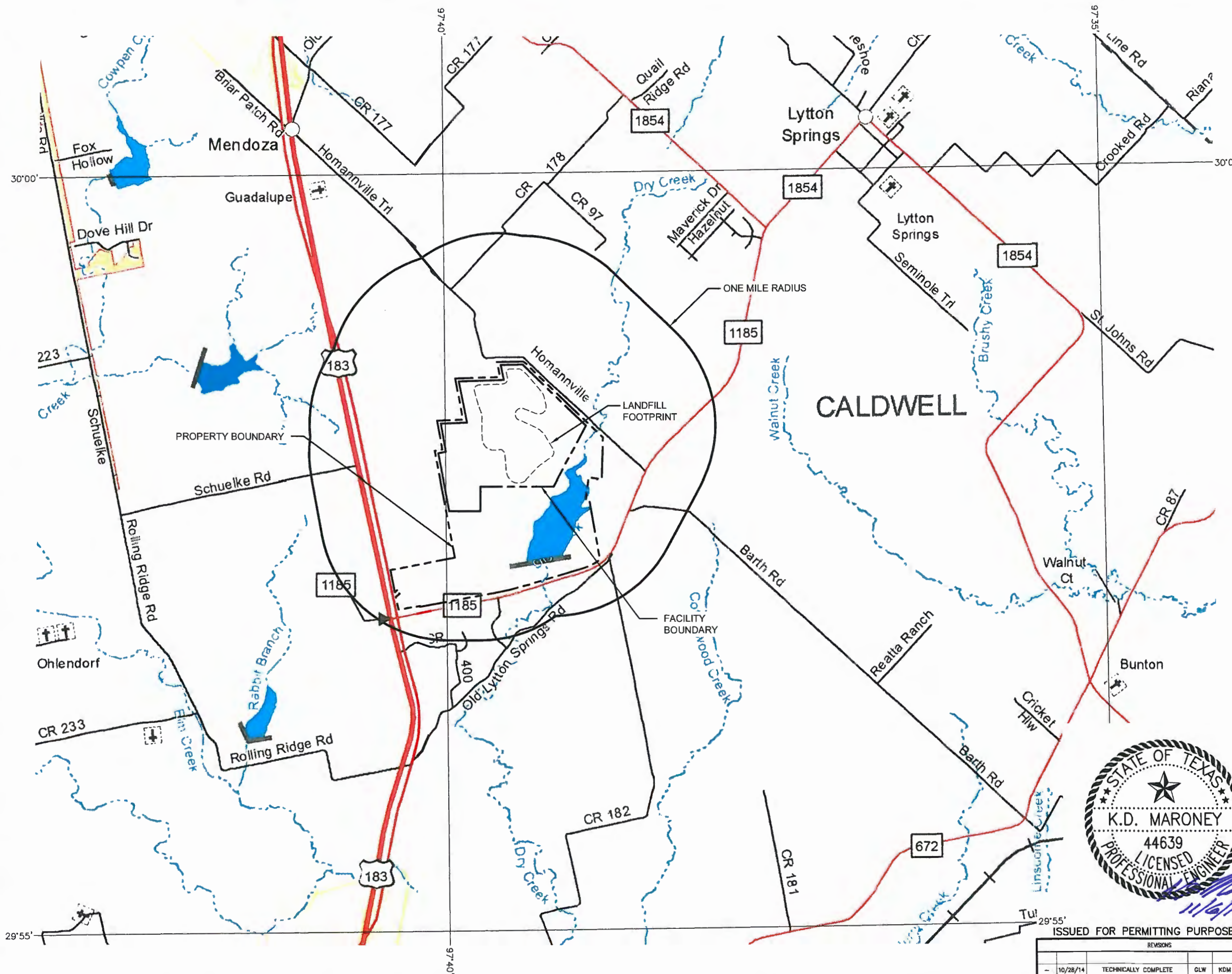
130 ENVIRONMENTAL PARK, LLC  
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SCALE IN FEET

#### LEGEND

- PROPERTY BOUNDARY
  - FACILITY BOUNDARY
  - LANDFILL FOOTPRINT
  - ONE MILE RADIUS
- 
- 35 IH, BI
  - 77 US, BU, UA, UP
  - 45 SH, BS
  - 360 SL, SS, PR
  - 1880 FM, BF, RM, RR, RE, RS, PA
  - County Road
  - City Street or other
  - Non-County Maintained Road
  - Railroad
  - Incorporated City
- 
- School
  - Military Installation
  - Prison
  - National or State Park
  - National or State Forest
  - Other Public Land
  - Cemetery
  - Dam
  - County Line
  - District Line
  - Canal
  - Flowing Stream
  - Intermittent Stream
  - River
  - Gulf Intracoastal Waterway
  - Other Body of Water
- 
- Unincorporated Community
  - Airport
  - Airport Runway

#### GENERAL HIGHWAY MAP BASTROP, CALDWELL, HAYS, AND TRAVIS COUNTY TEXAS

PREPARED BY THE  
TEXAS DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
COUNTY GRID MAPS

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REVISIONS							TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
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-	10/28/14	TECHNICALLY COMPLETE	GLW	KDM	KDM	KDM				

#### DETAILED HIGHWAY MAP

130 ENVIRONMENTAL PARK, LLC  
130 ENVIRONMENTAL PARK  
TYPE I PERMIT APPLICATION

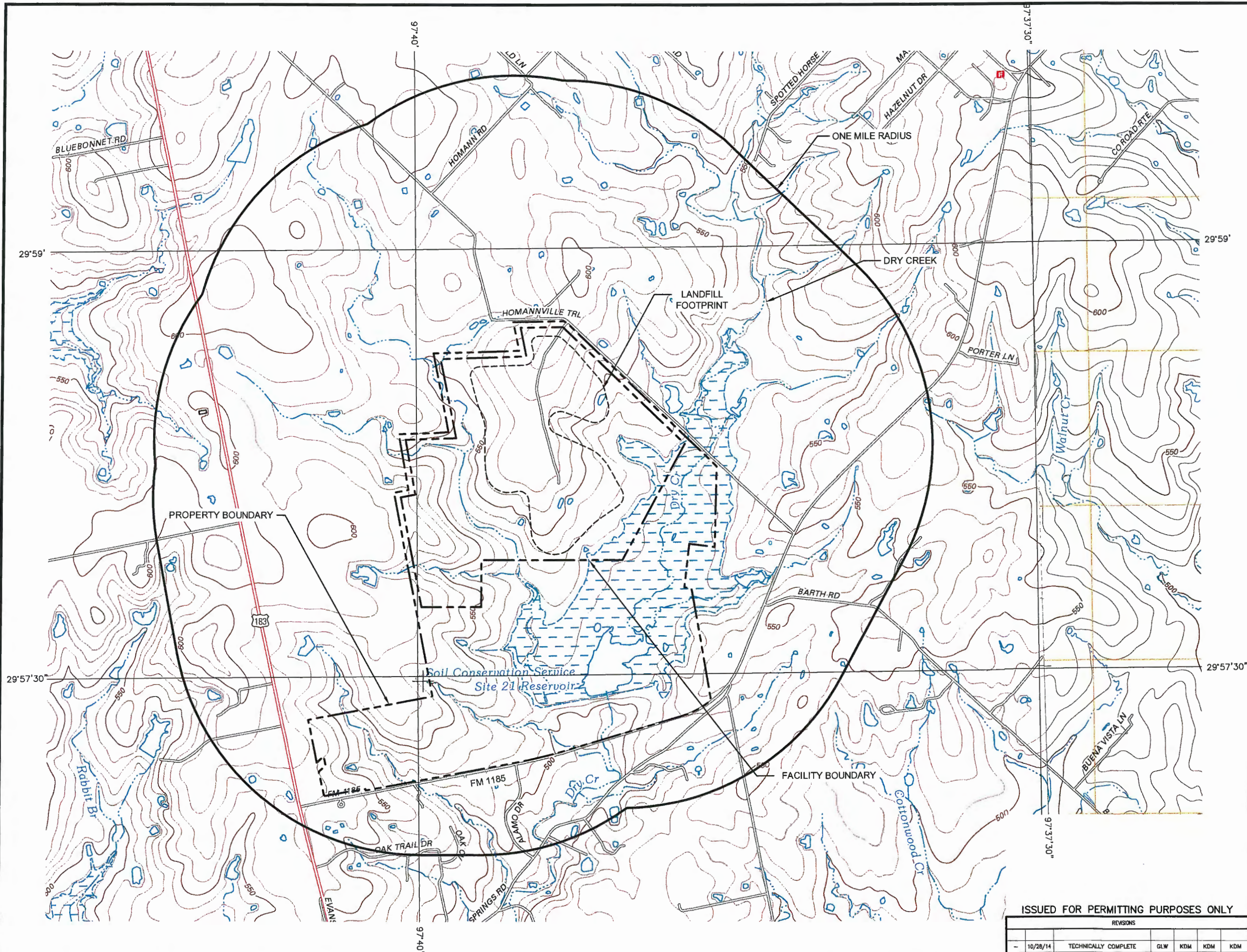


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DRAWING  
IA.2



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LEGEND

- PROPERTY BOUNDARY
- FACILITY BOUNDARY
- LANDFILL FOOTPRINT
- ONE MILE RADIUS
- SURFACE WATER BODY OR OTHER WATER

NOTE:

1. TOPOGRAPHIC BASE MAP IS US TOPO 2013 OF 7.5 MINUTE QUADRANGLE LOCKHART NORTH, TX AND DALE, TX DOWNLOADED FROM USGS WEBSITE ON JUNE 10, 2013. IMAGERY DATE IS MAY 2010.



GENERAL TOPOGRAPHIC MAP

130 ENVIRONMENTAL PARK, LLC  
130 ENVIRONMENTAL PARK  
TYPE I PERMIT APPLICATION



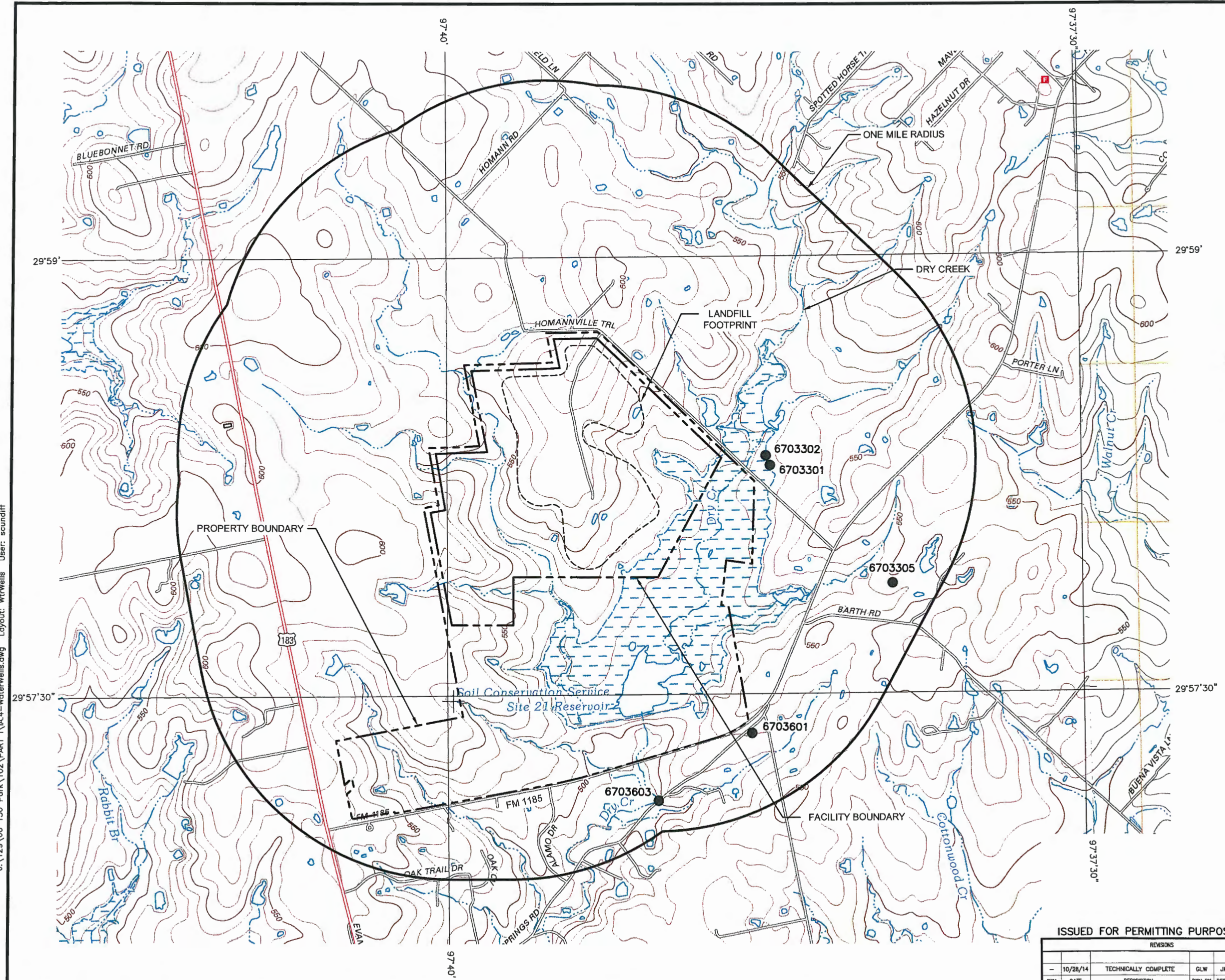
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REVISIONS							TBPE FIRM NO. F-256			TBPG FIRM NO. 50222	
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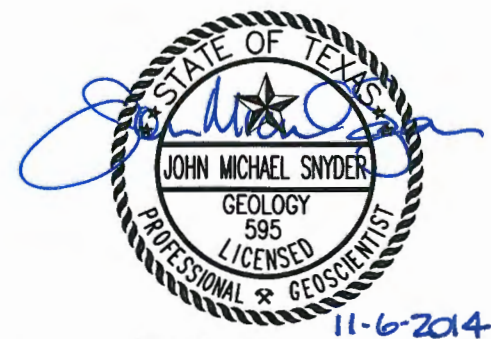
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- LEGEND**
- PROPERTY BOUNDARY
  - - - FACILITY BOUNDARY
  - - - LANDFILL FOOTPRINT
  - ONE MILE RADIUS
  - SURFACE WATER BODY OR OTHER WATER
  - 6703301 WATER WELL

- NOTES:**
1. TOPOGRAPHIC BASE MAP IS US TOPO 2013 OF 7.5 MINUTE QUADRANGLE LOCKHART NORTH, TX AND DALE, TX DOWNLOADED FROM USGS WEBSITE ON JANUARY 10, 2013. IMAGERY DATE IS MAY 2010.
  2. THERE ARE NO SPRINGS LOCATED WITHIN ONE MILE OF THE FACILITY BOUNDARY.
  3. WATER WELLS IDENTIFIED FROM ONLINE STATE RECORDS.

WATER WELLS WITHIN ONE MILE	
MAP ID	STATE ID
6703301	6703301
6703302	6703302
6703305	6703305
6703601	6703601
6703603	6703603



**WELLS, SPRINGS AND WATER BODIES LOCATION MAP**

**130 ENVIRONMENTAL PARK, LLC**  
**130 ENVIRONMENTAL PARK**  
**TYPE I PERMIT APPLICATION**

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REVISIONS		TBPE FIRM NO. F-256	TBPG FIRM NO. 50222	DRAWING <b>IA.4</b>
—	10/28/14	TECHNICALLY COMPLETE	GLW	
REV	DATE	DESCRIPTION	DWN BY	
			CHK BY	

DSN. ESF	DATE : 08/13	DWG : IA.4-WaterWells.dwg
DWN. GLW	SCALE : GRAPHIC	
CHK. JMS		

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0 1000 2000  
SCALE IN FEET

#### LEGEND

	PROPERTY BOUNDARY
	FACILITY BOUNDARY
	LANDFILL FOOTPRINT

#### NOTES:

1. AERIAL PHOTOGRAPH OF SITE PROVIDED BY DALLAS AERIAL SERVICE FROM AERIAL PHOTOGRAPHY FLOWN MAY 13, 2013. AERIAL PHOTOGRAPH OF AREA SURROUNDING THE SITE FROM GOOGLE MAP IMAGERY DATE 8-1-12.
2. REFER TO PART II, APPENDIX IIB-LAND USE ANALYSIS FOR DETAILED LAND USE INFORMATION. LAND USE MAP AND GENERAL CHARACTER OF AREAS ADJACENT TO THE FACILITY AS PREPARED BY JOHN WORRALL CONSULTING L.L.C.
3. GENERAL CHARACTER OF AREAS WITHIN ONE MILE OF THE FACILITY BOUNDARY PROVIDED BY JOHN WORRALL CONSULTING L.L.C.

GENERAL CHARACTER	
LAND USE	PERCENT
OPEN	93.30%
RESIDENTIAL	4.90%
WATER BODIES	1.50%
COMMERCIAL/INDUSTRIAL	0.30%
	100%



#### AERIAL PHOTOGRAPH

**130 ENVIRONMENTAL PARK, LLC**  
**130 ENVIRONMENTAL PARK**  
**TYPE I PERMIT APPLICATION**



**BIGGS & MATHEWS**  
**ENVIRONMENTAL**  
**CONSULTING ENGINEERS**

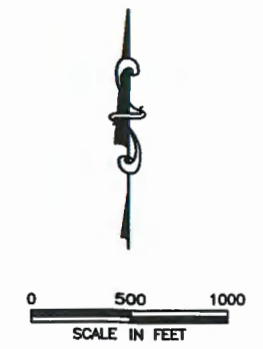
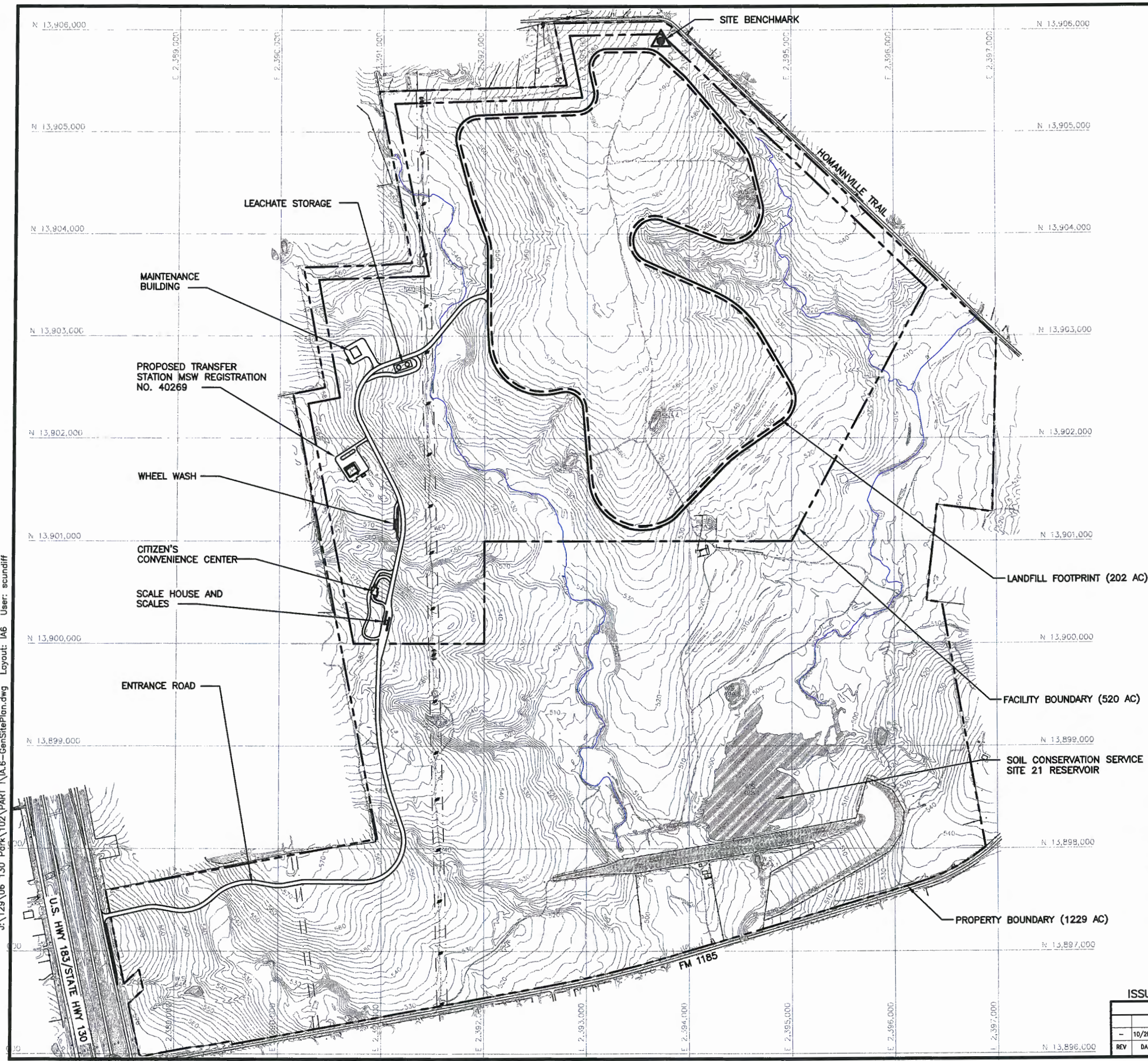
MANSFIELD • WICHITA FALLS  
817-563-1144

ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS							TBPE FIRM NO. F-256		TBPG FIRM NO. 50222		DRAWING IA.5
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. KDM	DATE : 08/13	DWN. GLW	SCALE : GRAPHIC	
							CHK. KDM	DWG : IA.5-AerialPhoto.dwg			



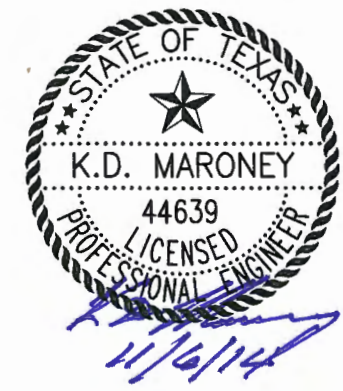
J:\129\06 130 Park\102\PART 1\A.6-GenSitePlan.dwg Layout: IAS User: scundiff



- LEGEND**
- PROPERTY BOUNDARY
  - FACILITY BOUNDARY
  - LANDFILL FOOTPRINT
  - ▲ SITE BENCHMARK
  - 510 EXISTING CONTOUR
  - N 6753000 STATE PLANE GRID
  - - - EASEMENT LOCATION

**NOTES:**

- CONTOURS AND ELEVATIONS PROVIDED BY DALLAS AERIAL SERVICE FROM AERIAL PHOTOGRAPHY FLOWN MAY 13, 2013. HORIZONTAL DATUM IS TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (NAD 83). ELEVATIONS ARE RELATIVE TO NAVD88 - GEOID 12A.
- REFER TO PART I, APPENDIX 1C FOR FACILITY BOUNDARY LEGAL DESCRIPTION.
- THERE ARE NO WASTE DISPOSAL ACTIVITIES WITHIN THE FACILITY BOUNDARY THAT ARE NOT INCLUDED IN THIS PERMIT APPLICATION.
- THERE ARE NO INTAKE/DISCHARGE STRUCTURES LOCATED WITHIN OR ASSOCIATED WITH THE FACILITY.
- PERMANENT BENCHMARK INFORMATION:  
COORDINATES (NAD 83): N 13905896.44  
E 2393722.33  
LATITUDE: N 29°58'43.75"  
LONGITUDE: W 97°39'24.76"  
ELEVATION: 592.37 FT-MSL




ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
-	10/28/14	TECHNICALLY COMPLETE	GLW	KDM	KDM	KDM

**GENERAL SITE PLAN**

**130 ENVIRONMENTAL PARK, LLC**  
**130 ENVIRONMENTAL PARK**  
**TYPE I PERMIT APPLICATION**

 **BIGGS & MATHEWS**  
ENVIRONMENTAL  
CONSULTING ENGINEERS  
MANSFIELD • WICHITA FALLS  
817-563-1144

TBPE FIRM NO. F-256      TBPG FIRM NO. 50222

DSN. KDM	DATE : 8/13	DRAWING <b>IA.6</b>
DWN. GLW	SCALE : GRAPHIC	
CHK. KDM	DWG : IA.6-GenSitePlan.dwg	



**130 ENVIRONMENTAL PARK**  
**APPENDIX IB**  
**LAND OWNERSHIP MAP AND LAND OWNERS LIST**

Technically Complete October 28, 2014



## 130 Environmental Park Land Owners List

Sources: Caldwell County Appraisal District online records research conducted August 26, 2013.

1	<b>Edward C. Smith</b> 371 Schuelke Road Lockhart, Texas 78644-4419	13	<b>Ezequiel Benitez</b> 600 Barwood Park Drive, Apt. 221 Austin, Texas 78753-6459
1	<b>Noel V. Smith, Jr.</b> 4242 Whartons Dock Road Bandera, Texas 78003-4585	14	<b>Gabriel Hernandez &amp; Dora Gudino-Trejo</b> 13485 Avis Road Dale, Texas 78616-3052
2	<b>Spencewood INC</b> 1231 W San Antonio Street San Marcos, Texas 78666-4136	15	<b>Corine &amp; Gordon Swenson</b> 11407 FM 1625 Austin, Texas 78747-1563
3	<b>Carol &amp; David Jarratt</b> 1687 Homannville Trail Lockhart, Texas 78644-4516	16	<b>Joanne &amp; William Birkholz</b> 1600 Homannville Trail Lockhart, Texas 78644-4501
4	<b>Gloria Oralía Martinez</b> 2705 Hoeke Lane Lot 70 Austin, Texas 78744-1737	17	<b>Daniel Sierra Morales</b> 1570 Homannville Trail Lockhart, Texas 78644-2270
5	<b>Joel &amp; Rebecca Ruiz</b> 1595 Homannville Trail Lockhart, Texas 78644-2270	18	<b>S. A. Rafati</b> 5401 Springfield Avenue Laredo, Texas 78041-3296
6	<b>Jose Luna Gomez &amp; Lourdes M. Rodriguez</b> 145 Ted Court Kyle, Texas 78640-8864	19	<b>Stephen E. Cox, et al</b> 1234 Homannville Trail Lockhart, Texas 78644-2269
7	<b>Mario Mendoza Torres</b> 1729 Mearns Meadow Austin, Texas 78758-5001	20	<b>Ben Pesl</b> P. O. Box 242 Dale, Texas 78616-0242
8	<b>Jesus L. Silvestre &amp; Veronica Lopez Dominguez</b> 304 Golden Cove Kyle, Texas 78640-4481	21	<b>David F. Neumann</b> 1038 Spruce Street Lockhart, Texas 78644-2438
9	<b>Daniel, Anselma S. &amp; Rueben Hernandez</b> 109 Brandon Lane Kyle, Texas 78640-5588	22 & 23	<b>King Family Trust Jody King Trustee</b> 3925 FM 1185 Lockhart, Texas 78644-4526
10	<b>Hazo Investments LTD</b> P. O. Box 1249 San Marcos, Texas 78667	24 & 25	<b>Thomas Burton Bunnell, Jr., Spec. Needs TR</b> P. O. Box 454 Lockhart, Texas 78644-0454
11	<b>Francisco J. Gonzales-Rodriguez</b> 5611 Spring Meadow Road A Austin, Texas 78744-3023	26	<b>Cathy Moore Hunter</b> 505 Caribbean Drive Lockhart, Texas 78644-2939
12	<b>Victoria &amp; Rafael Flores</b> 6508 Sandshof Drive Austin, Texas 78724-4331	Easement Holder:	LCRA PO Box 220 Austin, Texas 78767

No mineral interest ownership information was available within the appraisal district records for the facility property.



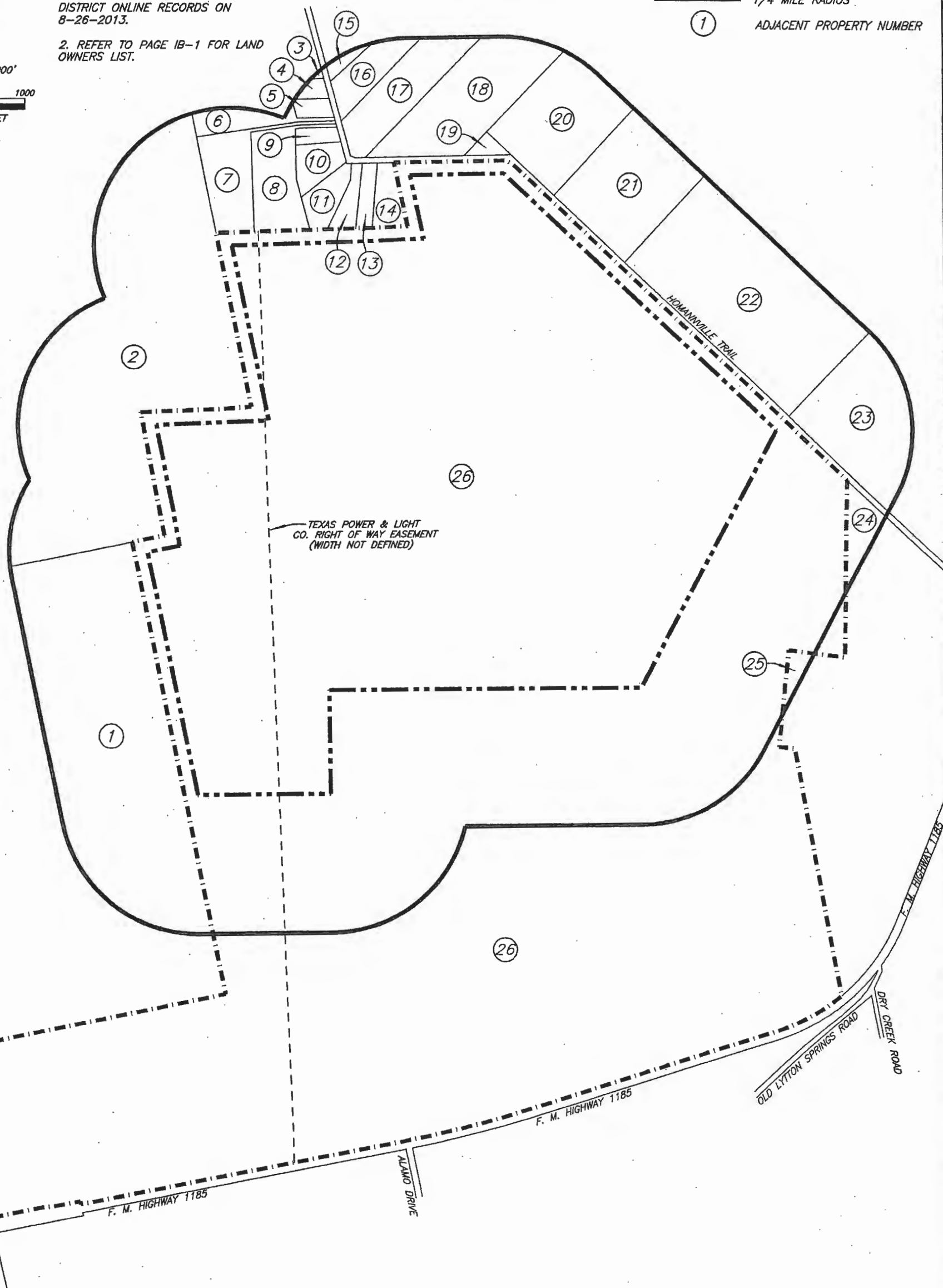
SCALE: 1" = 1000'  
0 500 1000  
SCALE IN FEET

NOTES:

1. ROADWAYS AND PROPERTY OWNERSHIP INFORMATION OBTAINED FROM CALDWELL COUNTY APPRAISAL DISTRICT ONLINE RECORDS ON 8-26-2013.
2. REFER TO PAGE IB-1 FOR LAND OWNERS LIST.

LEGEND

- PROPERTY BOUNDARY
- PERMIT BOUNDARY
- 1/4 MILE RADIUS
- ADJACENT PROPERTY NUMBER



THE STATE OF TEXAS  
COUNTY OF CALDWELL

I, JON E. HODDE, REGISTERED PROFESSIONAL LAND SURVEYOR, NO. 5197 OF THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS MAP REFLECTS INFORMATION COMPILED FROM THE CALDWELL COUNTY APPRAISAL DISTRICT. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT REFLECT A BOUNDARY SURVEY OR ANY SURVEY OF THE SUBJECT PROPERTY.

DATED THIS THE 9TH DAY OF DECEMBER, 2013, A.D.



JON E. HODDE  
REGISTERED PROFESSIONAL  
LAND SURVEYOR NO. 5197  
HODDE & HODDE LAND SURVEYING, INC.  
613 EAST BLUE BELL ROAD  
BRENNHAM, TEXAS 77833  
(979)-836-5681

LAND OWNERSHIP MAP

130 ENVIRONMENTAL PARK, LLC  
PERMIT APPLICATION

Hodde & Hodde Land Surveying, Inc.  
Professional Land Surveying  
613 E. Blue Bell Road . Brenham, Texas 77833  
979-836-5681 . 979-836-5683 (Fax)  
www.hoddesurveying.com

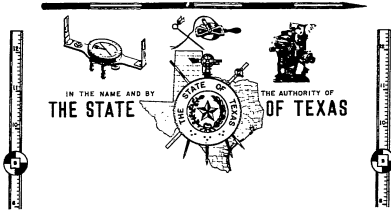
ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS				TBPLS FIRM REG. NO. 10018800			
1	12/9/13	TITLE BLK/LEGEND/NOTES	JEH	YQ	DATE: 8/13	SCALE: 1" = 1000'	DRAWING
REV	DATE	DESCRIPTION	DWN BY	CHK BY	DWG: 6485 LAND OWNERSHIP MAP.DWG		IB-2

Technically Complete October 28, 2014

**130 ENVIRONMENTAL PARK**  
**APPENDIX IC**  
**LEGAL DESCRIPTION AND FACILITY BOUNDARY MAP**

Technically Complete October 28, 2014



**HODDE & HODDE**  
**LAND SURVEYING, INC.**

*Registered Professional Land Surveying*

613 E. Blue Bell Road  
Brenham, Texas 77833-2411

OFFICE PHONE: (979) 836-5681

FAX: (979) 836-5683

www.hoddesurveying.com

TEXAS FIRM REGISTRATION NO. 10018800

W. O. No. 6485

THE STATE OF TEXAS

COUNTY OF CALDWELL

130 ENVIRONMENTAL PARK, LLC.

FACILITY BOUNDARY

519.746 ACRES

**SURVEYOR'S LEGAL DESCRIPTION**

All that certain tract or parcel of land, lying and being situated in Caldwell County, Texas, part of the I. Jackson Survey, A-157, and the J. H. Bowman Survey, A-54, being all or part of the following described land in the Affidavit of Fact by Affiant Cathy Moore Hunter, dated May 15, 2008, recorded in Volume 533, Page 637, in the Official Public Records of Real Property of Caldwell County, Texas, as follows: part of Second tract called 337.75 acres, all of Third tract called 40 acres, part of Fourth tract called 81 acres, part of Fifth tract called 46-1/2 acres, part of Sixth tract called 152 acres, save and except 20 acres, part of Seventh tract called 30 acres, save and except 14 acres, part of Eighth tract called 40 acres, part of Ninth tract called 40 acres, part of Tenth tract called 44 acres, part of Eleventh tract called 42 acres, all of Twelfth tract called 40 acres, part of Fourteenth tract called 36 acres, part of Fifteenth tract called 18.4 acres, and part of Sixteenth tract called 10 acres, and being more fully described by metes and bounds as follows, To-Wit:

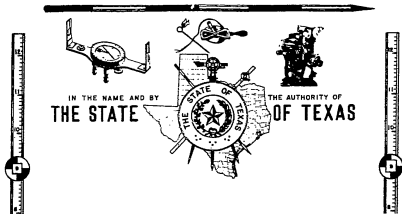
BEGINNING at a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) for a Northwest corner hereof, a 1/2 inch iron rod found with Id. cap (Pollock & Sons) at a 8 inch Cedar fence corner post for the most Northern Northwest corner of said original Fourth tract called 81 acres as described in Volume 533, Page 637, being the Southwest corner of the Mario Mendoza Torres tract called 10.01 acres as described in Volume 646, Page 360, in said Official Public Records of Real Property of Caldwell County, Texas, being on an East line of the Spencewood, Inc. tract called 503.395 acres as described in Volume 184, Page 354, in said Official Public Records bears N 51°28'15" W 193.75 feet;

THENCE along North lines hereof, N 88°20'49" E 1373.45 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) and N 87°23'15" E 465.47 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) for an interior corner hereof;

THENCE along a West line hereof, N 11°34'12" W 621.33 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) for a Northwest corner hereof;

THENCE along a North line hereof, N 89°01'17" E 901.31 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) for an exterior corner hereof;

THENCE along a Northeast line hereof, S 46°11'59" E 3600.79 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde-RPLS 5197) for an East corner hereof;



**HODDE & HODDE**  
**LAND SURVEYING, INC.**

*Registered Professional Land Surveying*

613 E. Blue Bell Road  
Brenham, Texas 77833-2411

OFFICE PHONE: (979) 836-5681

FAX: (979) 836-5683

www.hoddesurveying.com

TEXAS FIRM REGISTRATION NO. 10018800

THENCE along the Southeast line hereof, S 28°11'59" W 2803.92 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for an exterior corner hereof;

THENCE along a South line hereof, N 90°00'00" W 3000.29 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for an interior corner hereof;

THENCE along an East line hereof, S 0°00'00" W 1000.10 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for a Southeast corner hereof;

THENCE along the most Southern line hereof, N 90°00'00" W 1276.92 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for the Southwest corner hereof;

THENCE along a West line hereof, N 10°51'14" W 2380.01 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for a Northwest corner hereof;

THENCE along a North line hereof, N 78°58'46" E 313.36 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) to an interior corner hereof;

THENCE along a West line hereof, N 10°15'30" W 1173.16 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for a Northwest corner hereof;

THENCE along a North line hereof, N 88°05'46" E 1076.53 feet to a 5/8 inch iron rod set with plastic Id. cap (Hodde & Hodde –RPLS 5197) for an interior corner hereof;

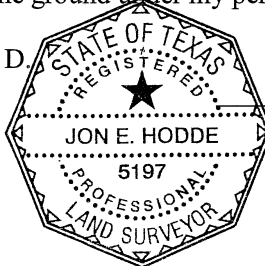
THENCE along a West line hereof, N 11°17'18" W 1724.41 feet to the place of beginning and containing 519.746 acres of land.

The bearings stated herein are relative to the Texas State Plane Grid System, NAD-83, South Central Zone 4204, distances stated herein are ground distances. Convergence angle at N: 13,905,743.895 – E: 2,393,598.527 is 0°39'28.15", combined scale factor is 0.99990195.

There was a separate survey map prepared in conjunction with this metes and bounds description.

I, Jon E. Hodde, Registered Professional Land Surveyor No. 5197 of the State of Texas, do hereby certify that the foregoing legal description describing 519.746 acres of land is true and correct in accordance with an actual survey made on the ground under my personal direction and supervision.

Dated this the 19th day of August, 2013, A. D.



*Jon E. Hodde*  
Jon E. Hodde  
Registered Professional  
Land Surveyor No. 5197

**130 ENVIRONMENTAL PARK**  
**APPENDIX ID**  
**LEGAL AUTHORITY**

Technically Complete October 28, 2014

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



John Steen  
Secretary of State

## Office of the Secretary of State

### Certificate of Fact

The undersigned, as Secretary of State of Texas, does hereby certify that the document, Application for Registration for 130 Environmental Park, LLC (file number 801836528), a GEORGIA, USA, Foreign Limited Liability Company (LLC), was filed in this office on August 20, 2013.

It is further certified that the entity status in Texas is in existence.

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on August 22, 2013.



A handwritten signature of John Steen in black ink.

John Steen  
Secretary of State

Phone: (512) 463-5555  
Prepared by: SOS-WEB

*Come visit us on the internet at <http://www.sos.state.tx.us/>*  
Fax: (512) 463-5709  
TID: 10264

Dial: 7-1-1 for Relay Services  
Document: 496739670003

**130 ENVIRONMENTAL PARK**  
**APPENDIX IE**  
**APPOINTMENTS**

Technically Complete October 28, 2014



**NOTICE OF APPOINTMENT  
Engineer's Appointment**

Mr. Richard A. Hyde, P.E.  
Executive Director  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Dear Mr. Hyde:

This is to advise you that officials at 130 Environmental Park, LLC have duly appointed Biggs and Mathews Environmental, Inc., as consulting and designing engineers for the purpose of submitting engineering reports and planning material for a permit application for the 130 Environmental Park, Permit No. MSW 2383.

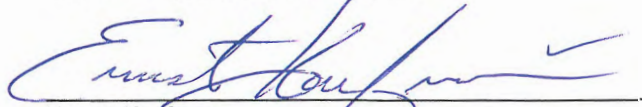
Biggs and Mathews Environmental, Inc., is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has experience in the design and construction of similar facilities. Kerry D. Maroney, P.E., Principal, with Biggs and Mathews Inc., is Engineer of Record for this permit application. He is registered in the state of Texas and has more than 30 years of experience in engineering.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

We herewith authorize you to review and comment on such reports, planning material, and data on this proposed project as Biggs and Mathews Environmental, Inc., may submit to you.

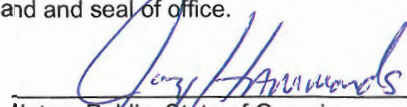
ATTEST:

130 ENVIRONMENTAL PARK, LLC

  
Ernest Kaufmann  
President and Manager of 130 Environmental Park, LLC

SWORN TO AND SUBSCRIBED BEFORE ME by Ernest Kaufmann on this 7th day  
of Nov., 2014, which witness my hand and seal of office.



  
Notary Public, State of Georgia  
Joy Hammonds  
Printed Name  
My Commission Expires: DE 2014 JH  
JAN 8, 2017

**130 ENVIRONMENTAL PARK**  
**APPENDIX IF**  
**DOCUMENTATION OF APPLICATION FEE PAYMENT**

Technically Complete October 28, 2014

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

**BIGGS & MATHEWS ENVIRONMENTAL, INC.**  
 PH. 940-766-0156  
 2500 BROOK AVE.  
 WICHITA FALLS, TX 76301-6015

**FIRST NATIONAL BANK  
 OF WICHITA FALLS  
 KELL & FAIRWAY  
 WICHITA FALLS, TX 76308**  
 88-1645/1119

09724

8/30/2013

PAY TO THE ORDER OF Texas Commission on Environmental Quality \$ \*\*150.00

One Hundred Fifty and 00/100\*\*\*\*\* DOLLARS

Financial Administration Division MC 214  
 Texas Commission on Environmental Quality  
 P.O. Box 13087  
 Austin, TX 78711-3087

MEMO Type I - 130 Environmental Park

W2220725-06-07

SECURITY FEATURES INCLUDED. DETAILS ON BACK.

**BIGGS & MATHEWS ENVIRONMENTAL, INC.**  
 Texas Commission on Environmental Quality

8/30/2013

09724

150.00

BME- First National B Type I - 130 Environmental Park

150.00