

CURVE	LENGTH	DELTA	RADIUS	CHORD BEARING	CHORD
C1	164.89	12°40'59"	744.87	N88°26'03"E	164.55'
C2	155.64	5°39'14"	1577.26	S74°44'03"E	155.58'
C3	46.17	105°48'48"	25.00	S70°21'21"W	39.88'
C4	26.84	61°31'00"	25.00	N65°28'03"W	25.57'
C5	23.70	54°19'07"	25.00	S15°47'11"W	22.82'
C6	23.60	54°04'43"	25.00	S14°10'25"E	22.73'

ACREAGE TABLE  
LEASE BLOCK: 4.7959 ACRES  
F.E.R.C. BUFFER AREA: 1.2521 ACRES  
SURVEY BLOCK: 6.0480 ACRES TOTAL

NOTES:  
1) BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM OF 1983, TEXAS COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202).

2) 1,000-FOOT CONTOUR ELEVATION OF POSSUM KINGDOM LAKE IS DETERMINED BASED ON MEASUREMENTS FROM THE TOP OF THE EXISTING SPILLWAY CREST GATES AT THE MORRIS SHEPPARD DAM BEING AT ELEVATION 1,000-FEET ABOVE MEAN SEA LEVEL AS NOTED IN FEDERAL POWER COMMISSION REPORT PROJECT NO. 1490 - TEXAS ON JUNE 2, 1938.

3) SET = 5/8" IRON ROD W/CAP STAMPED "AECOM" SET; D.R.P.C.T. = DEED RECORDS, PALO PINTO COUNTY, TEXAS; P.R.P.C.T. = PLAT RECORDS, PALO PINTO COUNTY, TEXAS; F.E.R.C. = FEDERAL ENERGY REGULATORY COMMISSION; J.R.P.C.T. = JUDGEMENT RECORDS, PALO PINTO COUNTY, TEXAS. LFS = 5/8" IRON ROD W/CAP STAMPED "LINKFIELD RPLS 5087" FOUND.

4) METES AND BOUNDS DESCRIPTIONS TO ACCOMPANY THIS SURVEY.

5) LOCATION, POSITION AND GEOMETRY OF ROAD RIGHTS-OF-WAY SHOWN AND DESCRIBED HEREON BASED ON SURVEYS PROVIDED BY LINK FIELD SERVICES, NO DEED OF RECORD HAS BEEN RECORDED AT THIS TIME FOR SAME UNLESS NOTED OTHERWISE.

6) IMPROVEMENTS SHOWN HEREON TIED FEBRUARY 2010.

7) 80 FOOT RIGHT-OF-WAY BASED ON THE CENTERLINE OF THE EXISTING ROADWAY, INFORMATION OBTAINED FROM THE TEXAS DEPARTMENT OF TRANSPORTATION AND SURVEYS/PROPERTY DESCRIPTIONS OF ADJACENT LOTS.

SURVEYORS CERTIFICATE

TO: BRAZOS RIVER AUTHORITY, PATTERSON PK LAND PARTNERSHIP, LTD., AND HERITAGE TITLE COMPANY OF AUSTIN, INC.

I, MUNIR ODHWANI, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, REGISTRATION NUMBER 5996, HEREBY STATE THAT A SURVEY OF THE REAL PROPERTY DESCRIBED IN SEPARATE LEGAL DESCRIPTION AS NOTED HEREON, WAS ACTUALLY MADE UPON THE GROUND UNDER MY DIRECTION AND SUPERVISION, AND THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF, THE INFORMATION SHOWN HEREON IS CORRECT AS DETERMINED BY SAID SURVEY.

THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1B, CONDITION II SURVEY.

MUNIR ODHWANI  
REGISTERED PROFESSIONAL LAND SURVEYOR  
TEXAS REGISTRATION NO. 5996

DATE: MAY 21, 2010



LINE	BEARING	DISTANCE
L1	N48°46'20"W	26.52'
L2	N61°28'05"W	37.26'
L3	N33°29'33"W	51.36'
L4	N60°37'28"W	31.41'
L5	N56°44'15"W	63.72'
L6	S17°26'57"W	52.54'
L7	S12°55'49"W	32.43'
L8	S41°27'39"W	2.73'
L9	N45°41'09"W	22.26'
L10	N84°10'05"W	34.24'
L11	N86°50'35"W	26.68'
L12	S84°27'31"W	32.38'
L13	S28°42'25"W	28.57'
L14	S19°09'23"W	39.90'
L15	S53°14'41"W	49.19'
L16	N20°48'45"W	23.10'
L17	N13°46'56"W	34.39'
L18	N61°43'23"W	21.13'
L19	N53°45'25"W	39.37'
L20	N72°06'01"W	19.00'
L21	N34°42'33"W	16.47'
L22	S83°46'27"W	18.70'
L23	S68°45'47"W	22.34'
L24	S61°27'56"W	53.58'
L25	S59°42'36"W	30.48'
L26	S79°27'30"W	24.56'
L27	S64°52'37"W	55.42'
L28	N88°36'37"W	74.05'
L29	S69°49'40"W	51.56'
L30	S64°52'18"W	42.25'
L31	S24°29'50"W	43.77'
L32	S14°07'48"W	25.92'
L33	S33°05'30"W	26.15'
L34	S54°15'42"W	22.63'
L35	S24°23'31"W	40.75'
L36	S42°56'45"W	27.43'
L37	S11°22'22"E	44.11'
L38	S04°46'39"E	27.70'
L39	S12°51'56"W	31.49'
L40	S41°12'47"E	3.29'
L41	S07°43'13"W	24.34'
L42	S66°43'40"W	18.28'
L43	S87°55'58"W	26.29'
L44	N89°34'09"W	35.52'
L45	N88°51'13"W	11.60'
L46	N66°59'30"W	8.50'
L47	N75°53'57"W	20.59'
L48	N66°22'19"W	3.57'
L49	N06°57'05"W	15.50'
L50	N09°07'03"W	30.39'

LINE	BEARING	DISTANCE
L51	N10°43'43"W	13.49'
L52	N23°28'11"W	27.74'
L53	N47°44'08"W	31.22'
L54	N58°34'30"W	11.77'
L55	N38°27'24"W	11.28'
L56	N58°05'09"W	30.11'
L57	N73°44'47"W	28.95'
L58	S73°32'52"W	26.73'
L59	S66°46'17"W	18.24'
L60	N84°09'09"W	14.06'
L61	S77°42'15"W	27.54'
L62	S62°13'17"W	23.78'
L63	S59°15'22"W	36.77'
L64	S49°17'11"W	26.88'
L65	S62°13'51"W	31.28'
L66	S56°24'19"W	34.35'
L67	S30°05'32"W	18.03'
L68	S18°54'35"W	27.02'
L69	N48°46'20"W	34.00'
L70	N61°28'05"W	40.71'
L71	N33°29'33"W	51.56'
L72	N60°37'28"W	26.23'
L73	N56°44'15"W	64.57'
L74	S17°26'57"W	51.56'
L75	S12°55'49"W	37.80'
L76	S41°27'39"W	35.46'
L77	S24°48'01"W	32.84'
L78	S15°01'24"W	37.15'
L79	S10°52'42"W	37.72'
L80	S14°35'11"W	41.61'
L81	S28°02'24"W	14.74'
L82	N19°12'42"W	4.02'
L83	N14°21'01"E	40.59'
L84	N13°08'45"E	44.82'
L85	N16°46'46"E	35.45'
L86	N09°07'44"E	32.17'
L87	N05°26'32"W	19.04'
L88	N45°41'09"W	17.79'
L89	N84°10'05"W	24.93'
L90	N86°50'35"W	24.19'
L91	S84°27'31"W	17.26'
L92	S28°42'25"W	13.26'
L93	S19°09'23"W	45.48'
L94	S53°14'41"W	61.55'
L95	S16°23'02"W	22.43'
L96	N53°21'10"W	17.14'
L97	N35°48'36"W	17.70'
L98	N20°48'45"W	36.28'
L99	N13°46'56"W	24.81'
L100	N61°43'23"W	11.75'

LINE	BEARING	DISTANCE
L101	N53°45'25"W	37.07'
L102	N72°06'01"W	23.43'
L103	N34°42'33"W	24.93'
L104	S83°46'27"W	15.41'
L105	S68°45'47"W	17.45'
L106	S61°27'56"W	51.60'
L107	S59°42'36"W	34.44'
L108	S79°27'30"W	18.51'
L109	S06°28'29"E	17.75'
L110	S12°44'02"E	14.01'
L111	S11°36'01"E	15.83'
L112	N61°26'59"W	22.92'
L113	N45°47'43"W	15.61'
L114	N58°57'40"W	17.63'
L115	S64°52'37"W	23.79'
L116	N88°36'37"W	75.18'
L117	S69°49'40"W	45.71'
L118	S64°52'18"W	31.98'
L119	S24°29'50"W	32.31'
L120	S14°07'48"W	27.83'
L121	S33°05'30"W	35.00'
L122	S54°15'42"W	20.63'
L123	S24°23'31"W	38.17'
L124	S42°56'45"W	31.51'
L125	S11°22'22"E	45.55'
L126	S04°46'39"E	33.02'
L127	S12°51'56"W	35.37'
L128	S41°12'47"E	14.67'
L129	S07°43'13"W	49.87'
L130	S66°43'40"W	37.11'

LINE	BEARING	DISTANCE
L131	S87°55'58"W	31.51'
L132	N89°34'09"W	36.23'
L133	N88°51'13"W	16.59'
L134	N66°59'30"W	11.39'
L135	N75°53'57"W	20.73'
L136	N66°22'19"W	19.92'
L137	N06°57'05"W	29.29'
L138	N09°07'03"W	29.57'
L139	N10°43'43"W	10.34'
L140	N23°28'11"W	19.57'
L141	N47°44'08"W	23.47'
L142	N58°34'30"W	13.83'
L143	N38°27'24"W	11.39'
L144	N58°05'09"W	22.35'
L145	N73°44'47"W	18.18'
L146	S73°32'52"W	17.92'
L147	S66°46'17"W	23.25'
L148	N84°09'09"W	16.56'
L149	S77°42'15"W	20.15'
L150	S62°13'17"W	19.73'
L151	S59°15'22"W	33.94'
L152	S49°17'11"W	27.53'
L153	S62°13'51"W	32.85'
L154	S56°24'19"W	27.23'
L155	S30°05'32"W	20.48'
L156	S27°22'31"W	22.32'
L157	N10°20'22"W	40.18'

LEGEND  
● = LEASE CORNER MARKER  
\* AS NOTED" (SEE NOTE 3)  
OH = OVERHEAD LINES  
⌚ = POWER POLE

STANDARD LAND SURVEY  
OF  
**6.0480 ACRES**  
SITUATED IN TRACT 20-3-1  
AREA 6-J, LOTS 12-A & 12-B, 13  
THROUGH 17 & 17-A  
POSSUM KINGDOM LAKE  
HEIRS OF JOHN HAYS SURVEY  
ABSTRACT 222  
PALO PINTO COUNTY, TEXAS

**AECOM**

AECOM USA GROUP, INC.  
1200 SUMMIT AVENUE, SUITE 600  
FORT WORTH, TEXAS 76102  
WWW.AECOM.COM  
817.698.6770

HEIRS OF JOHN HAYS SURVEY  
ABSTRACT 222

**F.M. 1148**  
80' WIDE RIGHT-OF-WAY  
VOL. 326, PG. 525, D.R.P.C.T.

**POINT OF BEGINNING**  
N 7,010.742,24  
E 1,949,288,08

POSSUM KINGDOM CONTROL  
MONUMENT NO. 16  
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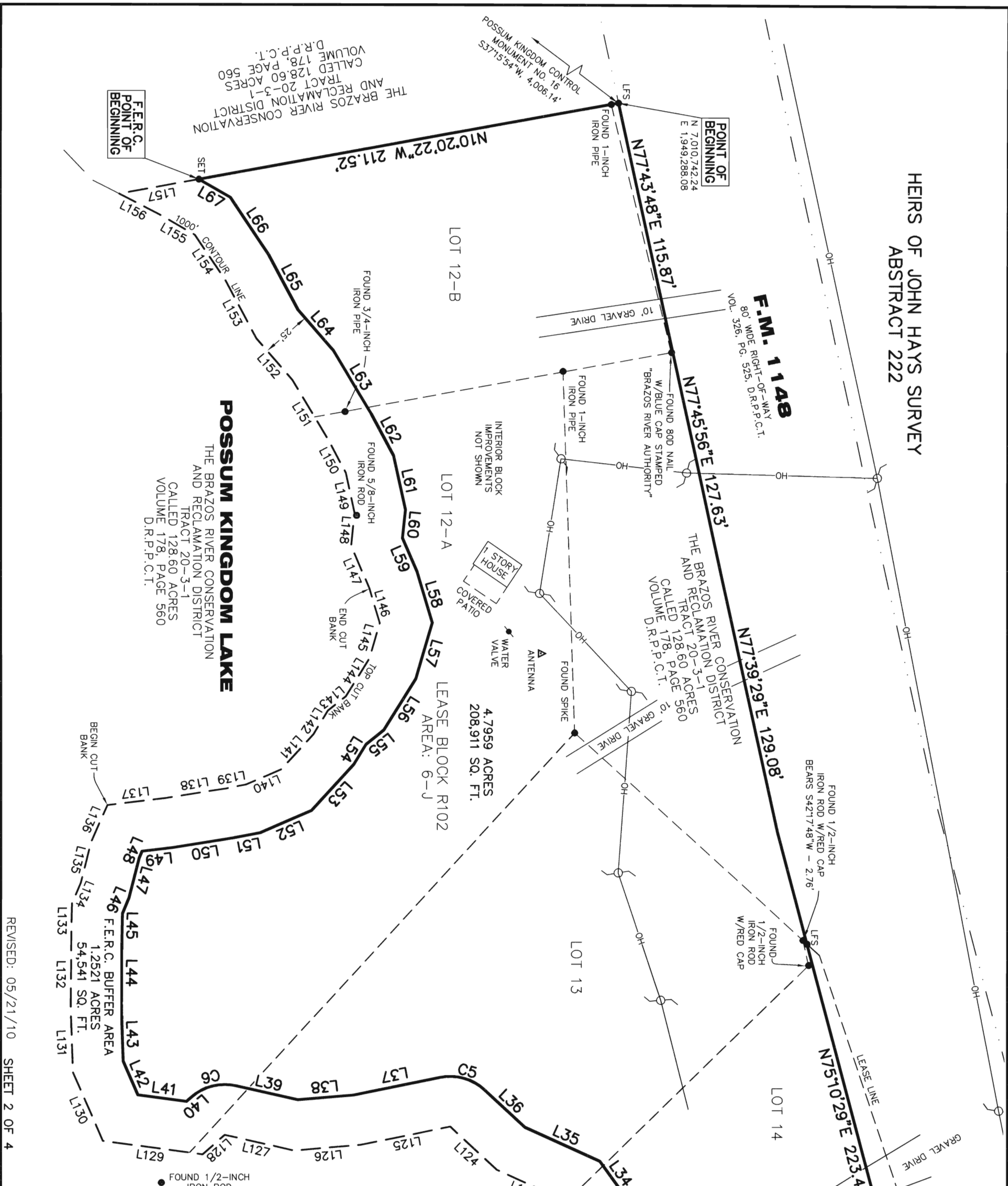
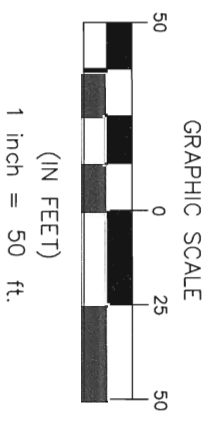
THE BRAZOS RIVER CONSERVATION  
AND RECLAMATION DISTRICT  
TRACT 20-3-1  
CALLED 128.60 ACRES  
VOLUME 178, PAGE 560  
D.R.P.C.T.

**F.E.R.C. POINT OF BEGINNING**

**POSSUM KINGDOM LAKE**  
THE BRAZOS RIVER CONSERVATION  
AND RECLAMATION DISTRICT  
TRACT 20-3-1  
CALLED 128.60 ACRES  
VOLUME 178, PAGE 560  
D.R.P.C.T.

LEASE BLOCK R102  
AREA: 6-J  
4.7959 ACRES  
208,911 SQ. FT.

F.E.R.C. BUFFER AREA  
1,2521 ACRES  
54,541 SQ. FT.

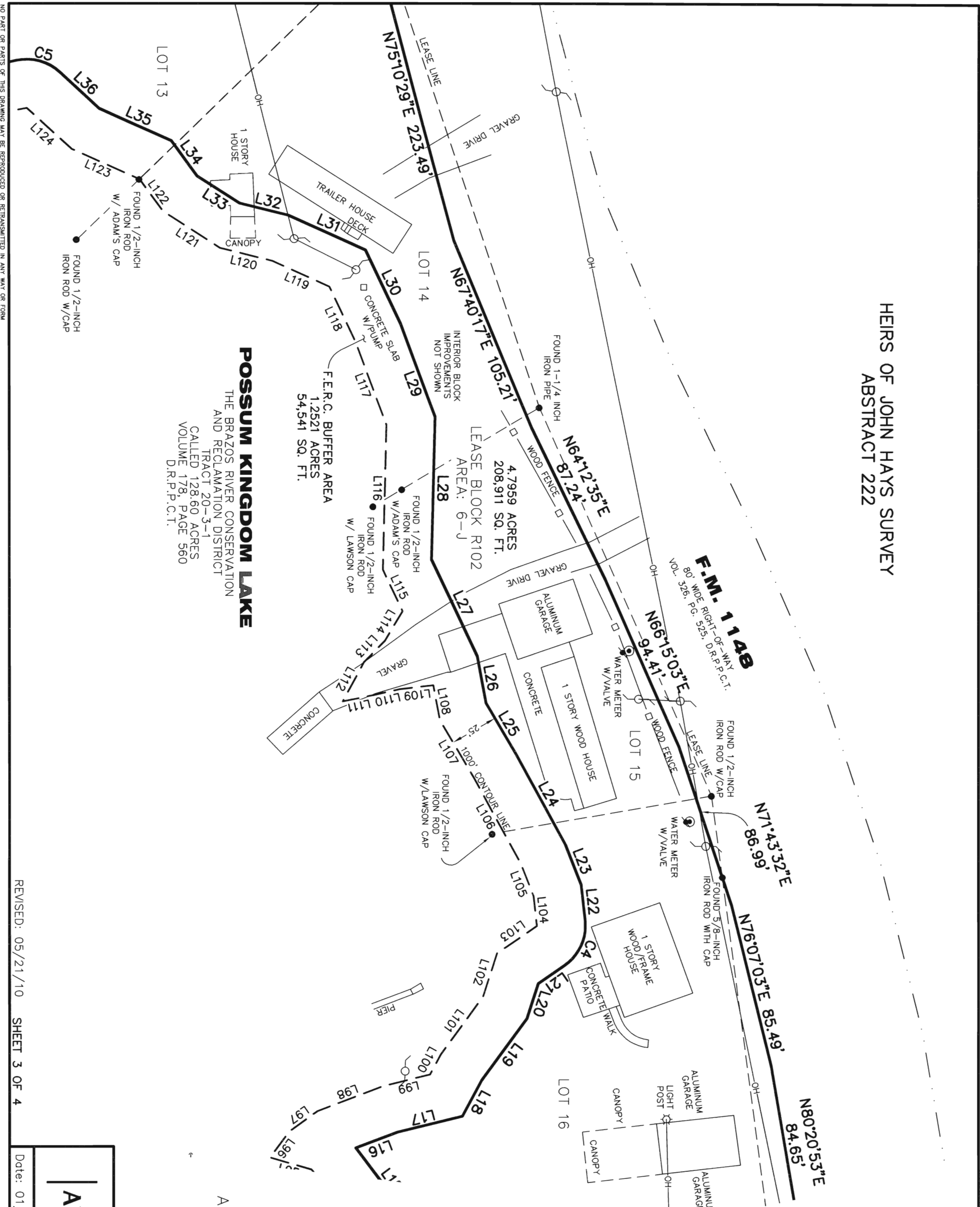


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Date: 01/18/10 Project No. 60102581

STANDARD LAND SURVEY  
OF  
**6.0480 ACRES**  
SITUATED IN TRACT 20-3-1  
AREA 6-J, LOTS 12-A & 12-B, 13  
THROUGH 17 & 17-A  
POSSUM KINGDOM LAKE  
HEIRS OF JOHN HAYS SURVEY  
ABSTRACT 222  
PALO PINTO COUNTY, TEXAS

HEIRS OF JOHN HAYS SURVEY  
 ABSTRACT 222

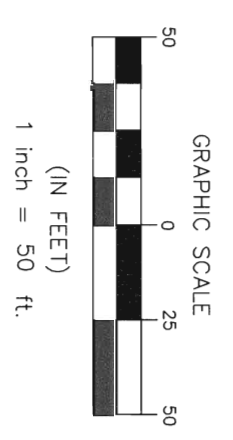
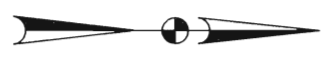


**POSSUM KINGDOM LAKE**  
 THE BRAZOS RIVER CONSERVATION  
 AND RECLAMATION DISTRICT  
 TRACT 20-3-1  
 CALLED 128.60 ACRES  
 VOLUME 178, PAGE 560  
 D.R.P.P.C.T.

F.E.R.C. BUFFER AREA  
 1.2521 ACRES  
 54,541 SQ. FT.

LEASE BLOCK R102  
 AREA: 6-J  
 4.7959 ACRES  
 208,911 SQ. FT.

**F.M. 1148**  
 80' WIDE RIGHT-OF-WAY  
 VOL. 326, P.G. 525, D.R.P.P.C.T.



STANDARD LAND SURVEY  
 OF  
**6.0480 ACRES**  
 SITUATED IN TRACT 20-3-1  
 AREA 6-J, LOTS 12-A & 12-B, 13  
 THROUGH 17 & 17-A  
 POSSUM KINGDOM LAKE  
 HEIRS OF JOHN HAYS SURVEY  
 ABSTRACT 222  
 PALO PINTO COUNTY, TEXAS

<b>AECOM</b>	AECOM USA GROUP, INC.	
	1200 SUMMIT AVENUE, SUITE 600 FORT WORTH, TEXAS 76102 WWW.AECOM.COM 817.698.6770	
Date: 01/18/10	Project No.: 60102581	60052528 R102By.dwg

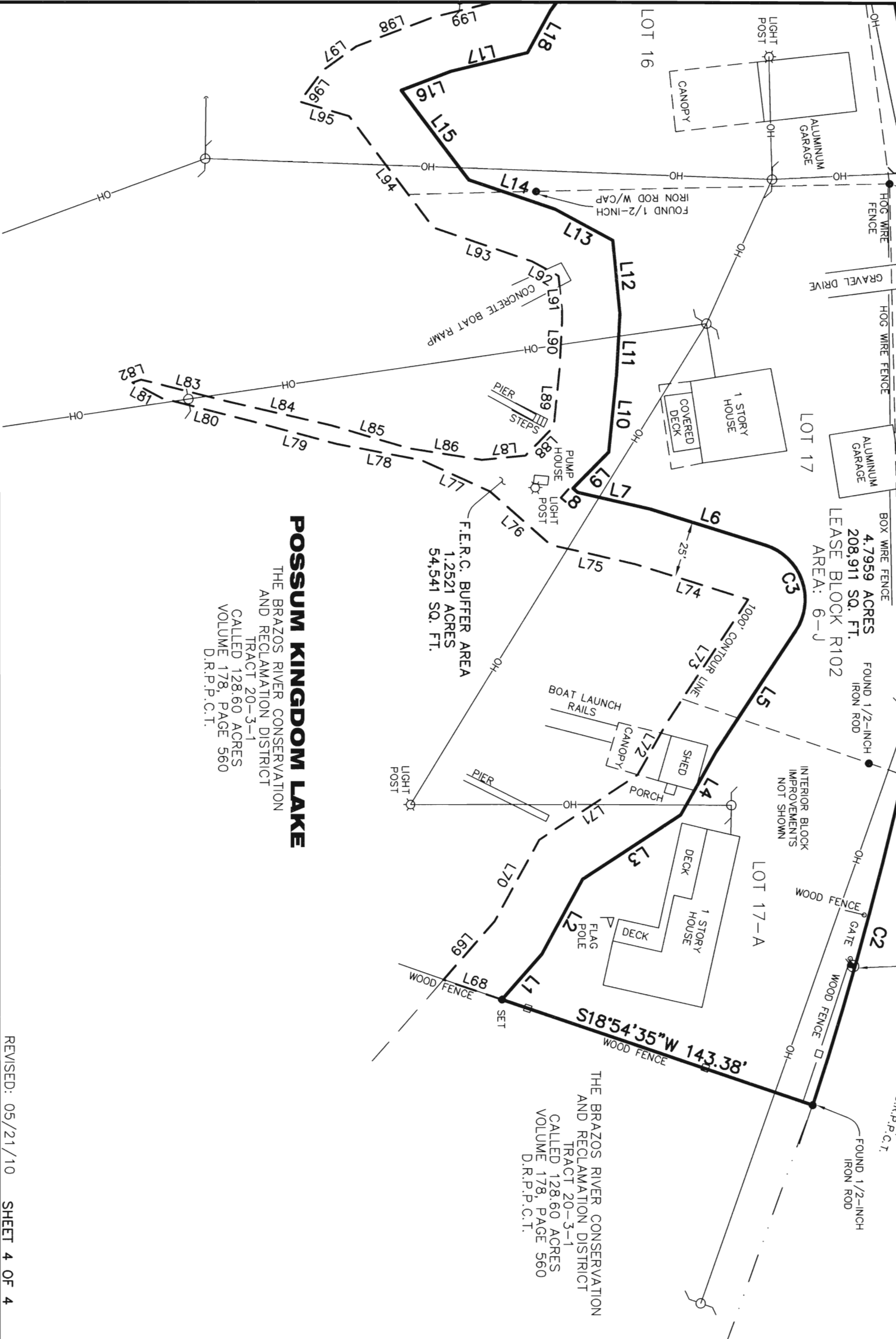
HEIRS OF JOHN HAYS SURVEY  
ABSTRACT 222

N80°20'53"E  
84.65'

S81°46'03"E  
90.79'

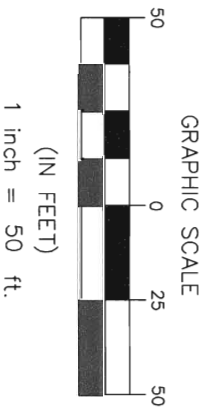
F.M. 1148  
VOL. 80' WIDE RIGHT-OF-WAY  
PG. 326, PG. 525, D.R.P.C.T.

S18°54'35"W 143.38'



**POSSUM KINGDOM LAKE**  
THE BRAZOS RIVER CONSERVATION  
AND RECLAMATION DISTRICT  
TRACT 20-3-1  
CALLED 128.60 ACRES  
VOLUME 178, PAGE 560  
D.R.P.C.T.

THE BRAZOS RIVER CONSERVATION  
AND RECLAMATION DISTRICT  
TRACT 20-3-1  
CALLED 128.60 ACRES  
VOLUME 178, PAGE 560  
D.R.P.C.T.



STANDARD LAND SURVEY  
OF

**6.0480 ACRES**

SITUATED IN TRACT 20-3-1  
AREA 6-J, LOTS 12-A & 12-B, 13  
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Date: 01/18/10 Project No. 60102581 60052528 R102By.dwg

REVISED: 05/21/10 SHEET 4 OF 4

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