THE STATE OF TEXAS §
§
COUNTY OF FORT BEND §

RESOLUTION AND ORDER DECREEING THE ACQUISITION OF PROPERTY TO BE A PUBLIC NECESSITY AND AUTHORIZING THE ACQUISITION AND PAYMENT OF COMPENSATION

WHEREAS, on the ____ day of _____, 2021, at a regular meeting of the Commissioners Court of Fort Bend County, Texas, sitting as the governing body of Fort Bend County, upon motion of Commissioner _____, seconded by Commissioner _____, and upon record vote, passed ____ votes in favor ____ votes opposed:

RESOLUTION

RESOLVED THAT WHEREAS, the Commissioners Court has received and reviewed the plans for a public project known as the FM 521 North Project, #17113, Precinct 1 proposed to be situated on lands generally appurtenant to FM 521 and bounded between FM 2234 on the north and Highway 6 on the south, in Fort Bend County, Texas (the Project); and,

WHEREAS, Commissioners Court has determined that public necessity and convenience exists for the location, alignment, construction, operation, and maintenance, including appurtenant drainage and detention requirements of the Project which will be constructed generally in accordance with the plans, alignments, and tract identifications which are made a part hereof as Exhibit A, including any adjacent or proximate tracts later deemed necessary to the public purposes of such Project:

ORDER

NOW THEREFORE, IT IS ORDERED AND DECREED that the plans for the location, alignment, construction, operation, and maintenance, including appurtenant drainage and detention requirements, of the Project known as the FM 521 North Project, #17113, Precinct 1 proposed to be situated on lands generally appurtenant to FM 521 and bounded between FM 2234 on the north and Highway 6 on the south, in Fort Bend County, Texas is approved.

IT IS FURTHER ORDERED AND DECREED that a public necessity and convenience exists for that Project and that the County Engineer and County Attorney be authorized and directed to obtain appraisals, surveys, title information and/or make official offers of specific amount for the purchase of either easement or the fee simple interest in and to the tract(s) situated within the general bounds of the Project as depicted in Exhibit A (including any improvements); that the County Attorney be authorized and directed, and he is hereby authorized and directed to file or cause to be filed proceedings in eminent domain and to acquire thereby easement or fee simple interests for said purposes in the tract(s) (and/or associated improvements) which cannot be acquired as aforesaid by donation, dedication, or purchase.

IT IS FURTHER ORDERED AND DECREED that this Resolution and Order apply to any and all parcels of land that must be condemned or acquired for this Project, that the County Judge, or designated representative be authorized and directed to sign any papers or agreements associated with closing the purchase(s); the County Attorney, County Engineer, County Clerk, County Auditor and County Treasurer be authorized and directed to perform any and all necessary acts within their respective spheres of official duties toward the final acquisition of the tract(s) of land, or interest(s) therein, together with the improvements if any, within the said public Project known as the FM 521 North Project, #17113, Precinct 1 proposed to be situated on lands generally appurtenant to FM 521 and bounded between FM 2234 on the north and Highway 6 on the south, in Fort Bend County, Texas, and the payment and compensation therefore.

PASSED AND APPROVED this ___ day of _____, 2021.

FORT BEND COUNTY

_____
KP George, County Judge

ATTEST:

_____
Laura Richard, County Clerk

FED. ROAD DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			1
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	12	FORT BEND	FM 521

R.O.W.	CONT.	SECT.	JOB
	0111	03	066
CONSTRUCTION	CONT.	SECT.	JOB
	0111	03	059

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
RIGHT OF WAY PROJECT

FORT BEND COUNTY
FM 521

C.C.S.J. NO. 0111-03-059
R.C.S.J. NO. 0111-03-066
FM 521: FROM FM 2234 TO STATE HIGHWAY 6

NET LENGTH OF PROJECT: 34,861.84 FEET (6.603 MILES)

PLAN SCALE : 1" = 1000'

EXHIBIT "A"

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-9	INDEX SHEETS
10-11	CONTROL SHEETS
12-37	HORIZONTAL AND VERTICAL CONTROL SHEETS (FROM OTHERS)
38-65	MAP SHEETS

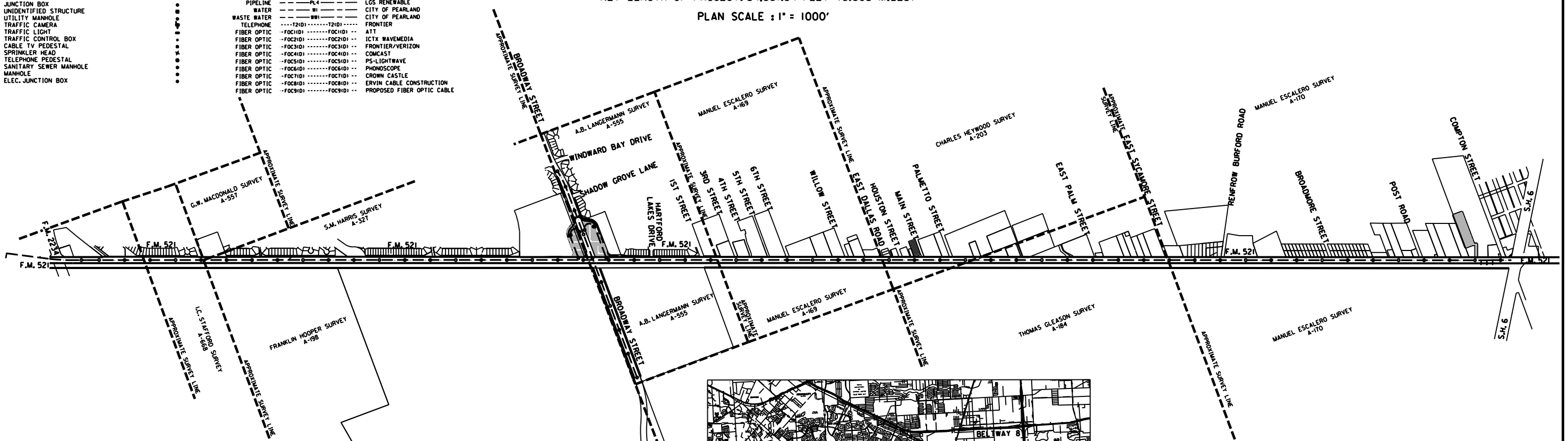
CONVENTIONAL SIGNS

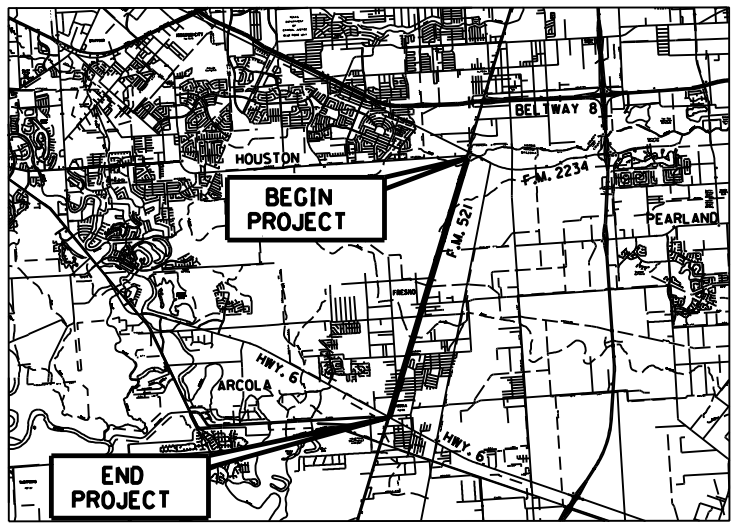
FOUND TxDOT BRONZE DISC IN CONCRETE	⊙
FOUND 5/8" IRON ROD (Unless otherwise noted)	○
UNABLE TO SET (Unless otherwise noted)	□
SET 5/8" IRON ROD W/TXDOT AL.DISC	□
EXISTING ROW LINE	
PROPOSED ROW LINE	
TAKING TRACT PARCEL NUMBER	1
SURVEY LINE	
FENCE	
OVERHEAD ELECTRIC LINE	
GAS VALVE	GV
TELEPHONE CABLE MARKER	TCM
TELEPHONE PEDESTAL	PED
POWER POLE	PP
GUY WIRE	GUY
SIGN	SGN
MAIL BOX	MBX
ELEC. PULL BOX	PBX
FIRE HYDRANT	FH
FAUCET	
GAS VALVE	GV
MARKER POST (AS SPECIFIED)	MP
TELEPHONE MANHOLE	
WATER VALVE	
BORE HOLE	
JUNCTION BOX	
UNIDENTIFIED STRUCTURE	
UTILITY MANHOLE	
TRAFFIC CAMERA	
TRAFFIC LIGHT	
TRAFFIC CONTROL BOX	
CABLE TV PEDESTAL	
SPRINKLER HEAD	
TELEPHONE PEDESTAL	
SANITARY SEWER MANHOLE	
MANHOLE	
ELEC. JUNCTION BOX	

LEGEND

OFFICIAL PUBLIC RECORDS OF FORT BEND COUNTY, TEXAS	F.B.C.O.P.R.
PLAT RECORDS OF FORT BEND COUNTY	F.B.C.P.R.
DEED RECORDS OF FORT BEND COUNTY	F.B.C.D.R.
RIGHT OF WAY	R.O.W.
BUILDING LINE	B.L.
WATER LINE EASEMENT	W.L.E.
SANITARY SEWER EASEMENT	S.S.E.
UTILITY EASEMENT	U.E.
IRON ROD	I.R.
IRON PIPE	I.P.
FOUND	FND
VOLUME/PAGE	VOL./PG.
FILE NUMBER	F.N.
FARM-TO-MARKET	F.M.
STATE HIGHWAY	S.H.

ELECTRIC	E1(D) E1(D)	CENTER POINT ENERGY
OVERHEAD ELECTRIC	OE1 OE1	CENTER POINT ENERGY
GAS	G1 G1	CENTERPOINT ENERGY
PIPELINE	PL1 PL1	MONUMENT
PIPELINE	PL2 PL2	KINDER MORGAN
PIPELINE	PL3 PL3	ENERGY TRANSFER
PIPELINE	PL4 PL4	LGS RENEWABLE
WATER	W1 W1	CITY OF PEARLAND
WASTE WATER	WW1 WW1	CITY OF PEARLAND
TELEPHONE	T2(D) T2(D)	FRONTIER
FIBER OPTIC	FOC1(D) FOC1(D)	ATT
FIBER OPTIC	FOC2(D) FOC2(D)	ICTX WAVEMEDIA
FIBER OPTIC	FOC3(D) FOC3(D)	FRONTIER/VERIZON
FIBER OPTIC	FOC4(D) FOC4(D)	COMCAST
FIBER OPTIC	FOC5(D) FOC5(D)	PS-LIGHTWAVE
FIBER OPTIC	FOC6(D) FOC6(D)	PHONOSCOPE
FIBER OPTIC	FOC7(D) FOC7(D)	CROWN CASTLE
FIBER OPTIC	FOC8(D) FOC8(D)	ERVIN CABLE CONSTRUCTION
FIBER OPTIC	FOC9(D) FOC9(D)	PROPOSED FIBER OPTIC CABLE





N.T.S.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.

8. PROPOSED RIGHT-OF-WAY BASELINE MAY NOT MATCH PROPOSED CONSTRUCTION BASELINE OR AS-BUILT BASELINE DUE TO DESIGN CHANGES

9. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

NO EQUATIONS

NO RAILROADS

NO EXCEPTIONS

THIS MAP SET IS AN INTERNAL TXDOT DOCUMENT.
ITS CONTENTS SHALL NOT BE USED FOR ANY OTHER PURPOSES.
INACCURACIES SHALL BE REPORTED TO THE DISTRICT AND
RIGHT-OF-WAY PROJECT DELIVERY SECTION FOR CORRECTIONS

LAYOUT SCALE: 1" = 1,000' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 2,000' FOR 11" X 17" SHEETS
Scale: 1" = 1000'

0 500 1000 2000 3000
Graphic Scale in Feet

RECOMMENDED FOR ACQUISITION

DISTRICT SURVEYOR OR ROW ADMINISTRATOR DATE

RECOMMENDED FOR ACQUISITION

AREA ENGINEER OR DESIGN ENGINEER DATE

FINAL APPROVAL
ACQUISITION COMPLETE

DISTRICT ENGINEER DATE

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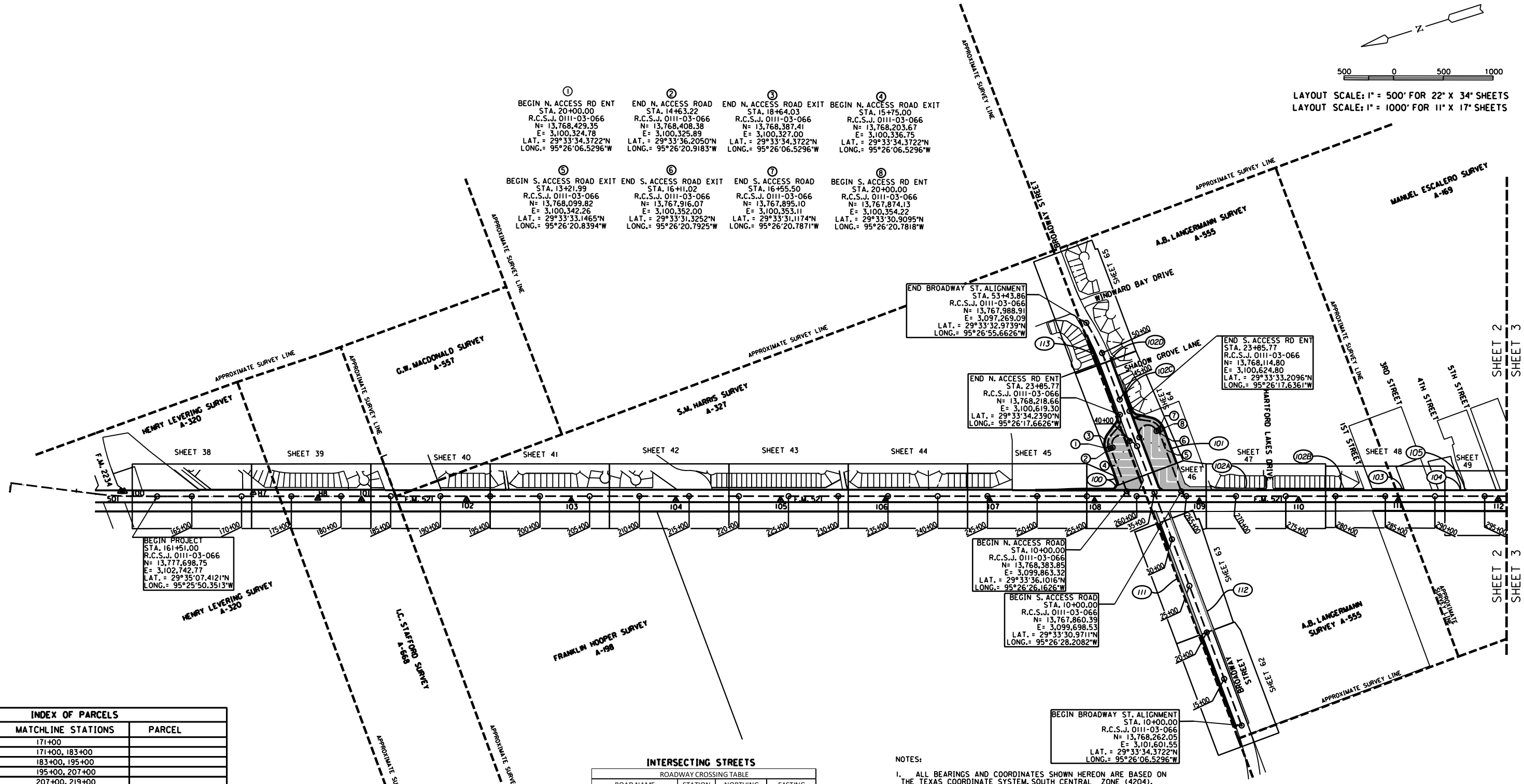
11/20/2019

PROJECT NO. 2694-1901-100



INDEX OF PARCELS

SHEET	MATCHLINE STATIONS	PARCEL
38	171+00	
39	171+00, 183+00	
40	183+00, 195+00	
41	195+00, 207+00	
42	207+00, 219+00	
43	219+00, 231+00	
44	231+00, 243+00	
45	243+00, 255+00	100
46	255+00, 267+00 32+00, 37+00	100, 101, 111, AND 112
47	267+00, 279+00	101, 102A, & 102B
48	279+00, 291+00	102B AND 103
49	291+00, 303+00	104, 105 AND 106
50	303+00, 315+00	
51	315+00, 327+00	107
52	327+00, 339+00	108
53	339+00, 351+00	109
54	351+00, 363+00	
55	363+00, 375+00	
56	375+00 387+00	
57	387+00, 399+00	
58	399+00, 411+00	
59	411+00, 423+00	
60	423+00, 435+00	110
61	435+00	110
62	20+00	111 AND 112
63	20+00, 32+00	111 AND 112
64	37+00, 49+00	100, 101, 102C AND 102D
65	49+00	100 102D AND 113

INTERSECTING STREETS

ROADWAY CROSSING TABLE

ROAD NAME	STATION	NORTHING	EASTING
BROADWAY ST.	261+93.39	13,768,119.35	3,099,728.68
HARTFORD LAKES DR.	273+39.17	13,767,026.45	3,099,384.63
1ST ST.	283+63.83	13,766,049.07	3,099,076.95
3RD ST.	290+27.39	13,765,416.14	3,098,877.70
4TH ST.	292+88.43	13,765,167.14	3,098,799.32
5TH ST.	296+60.51	13,764,812.23	3,098,687.59
6TH ST.	300+37.61	13,764,452.54	3,098,574.36
WILLOW ST.	311+95.12	13,763,348.44	3,098,226.79
E. DALLAS RD.	318+82.44	13,762,692.83	3,098,020.40
HOUSTON ST.	322+51.77	13,762,340.55	3,097,909.50
MAIN ST.	326+59.51	13,761,951.62	3,097,787.07
PALMETTO ST.	332+40.07	13,761,397.86	3,097,612.74
JASMINE STREET	346+32.09	13,760,070.28	3,097,194.10
E. PALM ST.	360+56.55	13,758,711.77	3,096,765.69
E. SYCAMORE ST.	374+67.75	13,757,365.90	3,096,341.28
RENFROW BURFORD RD. (LADONA ST.)	385+37.79	13,756,345.40	3,096,019.46
BROADMORE ST.	406+85.19	13,754,297.42	3,095,373.64
POST RD.	424+55.78	13,752,608.80	3,094,841.14
COMPTON ST.	437+33.82	13,751,054.72	3,094,353.16
SHADOW GROVE LN.	47+76.48	13,768,188.91	3,101,040.27

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6. FIELD SURVEYS COMPLETED IN JULY, 2019.
7. R.O.W. MAP COMPLETED NOVEMBER, 2019
8. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive, Suite 175, Houston, Texas 77042
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	2

PROJECT NO. LJAS001-2694-1901

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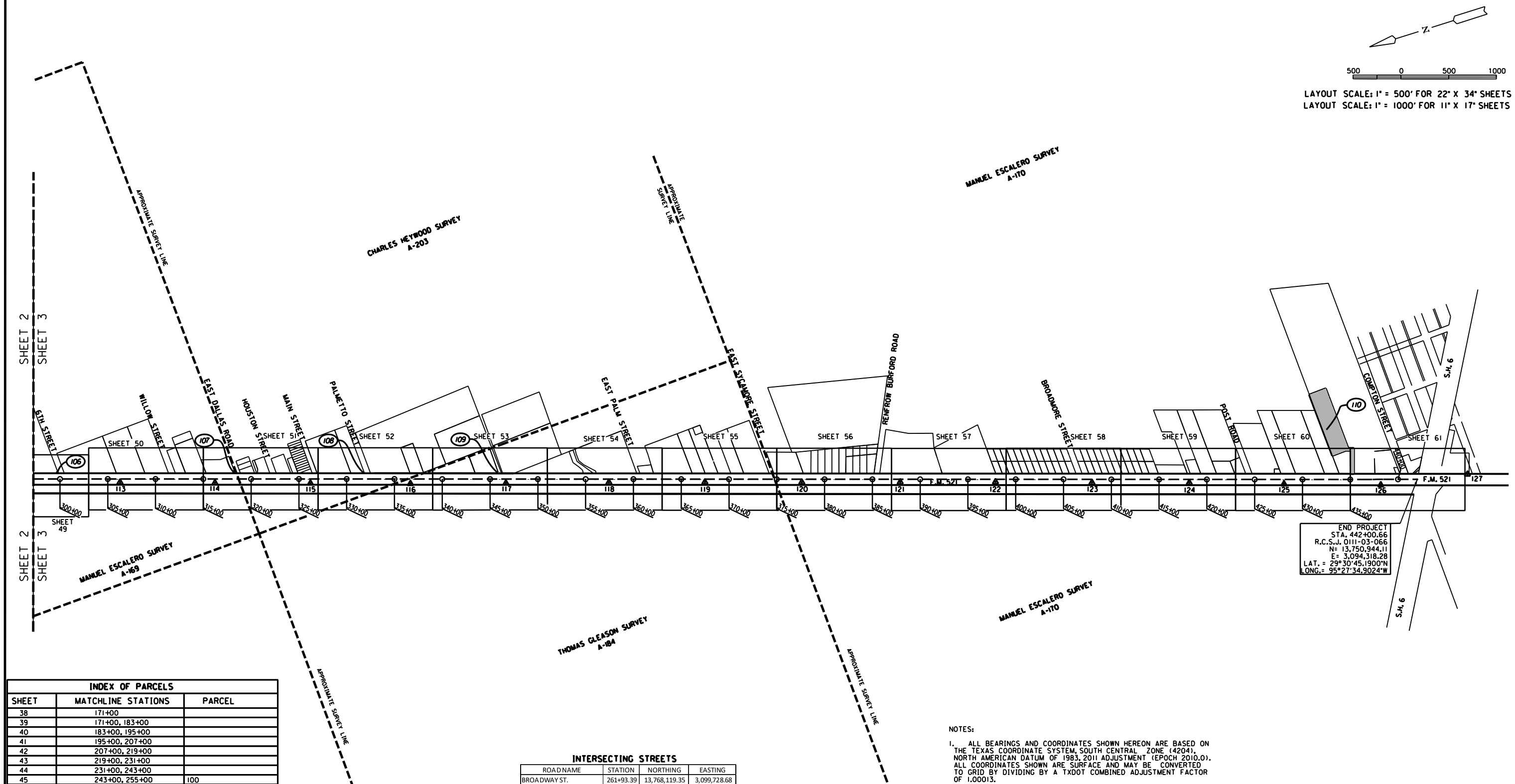

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47	267+00, 279+00	101, 102A, & 102B
48	279+00, 291+00	102B AND 103
49	291+00, 303+00	104, 105 AND 106
50	303+00, 315+00	
51	315+00, 327+00	107
52	327+00, 339+00	108
53	339+00, 351+00	109
54	351+00, 363+00	
55	363+00, 375+00	
56	375+00 387+00	
57	387+00, 399+00	
58	399+00, 411+00	
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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	3

PROJECT NO. LJASOOI-2694-1901

I:\PROJSK\#SURVEY\#2694\90\#SUBMITTAL\#1ST REDLINES RESUBMITTED 11819#FM521-INDEX-Sht3.dgn
11/20/2019

UTILITY NAME	TYPE	STATION	OFFSET
WAVE MEDIA	COMMUNICATION LINE	161+51.00 - 169+61.34	45.76' LT. - 44.21' LT.
AT&T	COMMUNICATION LINE	161+51.00 - 169+61.35	51.32' LT. - 45.13' LT.
CENTERPOINT ENERGY	GAS LINE	161+51.00 - 171+30.25	54.82' LT. - 55.38' LT.
AT&T	COMMUNICATION LINE	161+51.00 - 173+22.60	49.74' RT. - 46.54' RT.
AT&T	COMMUNICATION LINE	161+51.00 - 185+94.70	34.69' RT. - 46.89' RT.
AT&T	COMMUNICATION LINE	161+51.00 - 275+02.82	49.43' RT. - 49.12' RT.
AT&T	COMMUNICATION LINE	161+51.00 - 291+22.57	26.82' RT. - 19.37' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	161+51.09 - 440+92.90	57.63' LT. - 56.65' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	161+51.62 - 164+93.32	58.21' RT. - 59.11' RT.
CENTERPOINT	POWER POLE	162+43.30	57.18' LT.
CENTERPOINT	POWER POLE	162+52.60	57.74' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	163+24.39	50.84' RT.
AT&T	MARKER POST	164+16.38	28.36' RT.
AT&T	MARKER POST	164+16.52	28.21' RT.
CENTERPOINT	POWER POLE	164+42.65	58.64' RT.
AT&T	MARKER POST (FIBER OPTIC)	164+61.98	64.57' RT.
CENTERPOINT	POWER POLE	164+92.21	57.39' LT.
CENTERPOINT	POWER POLE	164+93.32	59.11' RT.
CENTERPOINT	POWER POLE	166+93.10	56.56' LT.
CENTERPOINT	POWER POLE	167+65.89	56.51' LT.
AT&T	MARKER POST (FIBER OPTIC)	168+14.38	54.69' RT.
AT&T	MARKER POST (FIBER OPTIC)	168+20.46	34.24' RT.
AT&T	TELEPHONE MANHOLE	168+25.01	49.32' LT.
WAVEMEDIA	MARKER POST	168+32.26	43.59' LT.
AT&T	COMMUNICATION LINE	168+54.26 - 170+82.18	50.06' RT. - 47.52' RT.
CITY OF PEARLAND	WATER	169+30.17 - 231+42.52	61.94' LT. - 64.15' LT.
AT&T	COMMUNICATION LINE	169+60.26 - 183+42.70	71.40' LT. - 64.89' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	170+04.52	96.14' LT.
CITY OF PEARLAND	WATER VALVE	170+05.89	98.54' LT.
CITY OF PEARLAND	WATER VALVE	170+09.41	105.44' LT.
CITY OF PEARLAND	WATER	170+26.49 - 170+26.51	78.27' LT. - 70.48' LT.
CITY OF PEARLAND	WATER VALVE	170+26.75	73.84' LT.
CITY OF PEARLAND	FIRE HYDRANT	170+27.02	69.87' LT.
CITY OF PEARLAND	WATER METER	170+33.04	72.59' LT.
CITY OF PEARLAND	WATER METER	170+33.21	72.66' LT.
AT&T	COMMUNICATION LINE	170+61.96 - 171+39.09	49.27' RT. - 48.10' RT.
AT&T	COMMUNICATION LINE	170+62.26 - 171+39.17	47.80' RT. - 46.99' RT.
AT&T	COMMUNICATION LINE	170+62.66 - 171+39.32	45.96' RT. - 44.89' RT.
AT&T	COMMUNICATION LINE	170+62.76 - 171+39.63	46.74' RT. - 45.66' RT.
AT&T	COMMUNICATION LINE	170+62.89 - 171+39.62	45.07' RT. - 44.04' RT.
AT&T	MARKER POST (FIBER OPTIC)	170+64.74	38.68' RT.
AT&T	MARKER POST (FIBER OPTIC)	170+76.67	64.37' RT.
CITY OF PEARLAND	ELEC. JUNCTION BOX	171+17.73	158.90' RT.
CENTERPOINT ENERGY	GAS LINE	171+30.25 - 171+33.62	55.38' LT. - 91.15' RT. (CROSSING)
AT&T	MARKER POST	171+64.66	39.71' RT.
CITY OF PEARLAND	LIGHT POLE	171+77.77	164.26' RT.
PHONOSCOPE	COMMUNICATION LINE	172+67.90 - 173+19.74	55.61' LT. - 50.70' RT. (CROSSING)
CENTERPOINT	POWER POLE	172+70.09	56.00' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	172+70.09 - 173+66.34	(CROSSING)
COMCAST	FIBER OPTIC LINE	173+19.35 - 173+50.98	52.28' RT. - 59.80' LT.
CENTERPOINT	POWER POLE	173+19.63	53.09' RT.
AT&T	PULL BOX	173+25.20	46.78' RT.
AT&T	PULL BOX	173+26.66	46.07' RT.
AT&T	MARKER POST	173+28.80	47.47' RT.
COMCAST	FIBER OPTIC LINE	173+50.98 - 173+92.61	59.80' LT. - 54.98' LT.
CITY OF PEARLAND	WATER VALVE	173+73.98	81.97' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	173+76.48	82.44' LT.
CITY OF PEARLAND	WATER VALVE	173+76.53	82.37' LT.
CENTERPOINT	POWER POLE	173+92.76	56.56' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	173+92.93 - 173+94.06	83.69' LT. - 57.15' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	173+94.00 - 173+94.87	85.11' LT. - 57.02' LT.
CITY OF PEARLAND	WATER VALVE	175+26.40	78.86' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	175+27.99 - 175+31.14	85.40' LT. - 57.59' LT.
CENTERPOINT	POWER POLE	175+29.58	56.90' LT.
CITY OF PEARLAND	WATER VALVE	175+46.43	82.48' LT.
SOUTHWESTERN BELL CO.	MARKER POST	176+29.43	61.26' RT.
AT&T	MARKER POST (FIBER OPTIC)	176+29.94	60.99' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	176+95.56	81.95' LT.
CITY OF PEARLAND	FIRE HYDRANT	177+24.14	68.81' LT.
CITY OF PEARLAND	WATER VALVE	177+24.67	72.58' LT.
CITY OF PEARLAND	WATER	177+24.77 - 177+25.08	69.53' LT. - 75.57' LT.
CITY OF PEARLAND	FIRE HYDRANT	177+24.96	68.55' LT.
CITY OF PEARLAND	WATER VALVE	177+25.00	71.78' LT.
CITY OF PEARLAND	WATER VALVE	177+25.08	72.42' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	177+30.13	82.49' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	177+32.28	82.16' LT.
CENTERPOINT	POWER POLE	177+87.59	56.90' LT.
AT&T	PULL BOX	177+95.97	61.30' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	179+08.53	81.32' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	179+53.55	81.06' LT.
CENTERPOINT	POWER POLE	180+47.47	57.51' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	180+48.46 - 180+53.37	57.03' LT. - 81.43' LT.
CITY OF PEARLAND	POWER PEDESTAL	180+50.42	81.51' LT.
CITY OF PEARLAND	ELEC. METER	180+50.97	81.15' LT.
CITY OF PEARLAND	POWER PEDESTAL	180+51.96	81.40' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	180+74.08	81.87' LT.
CITY OF PEARLAND	VALVE (UNKNOWN)	180+78.36	83.16' LT.
CENTERPOINT ENERGY	GAS VALVE	180+78.96	83.19' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	180+79.03	77.68' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	180+79.31	75.27' LT.
CITY OF PEARLAND	WATER METER	180+81.55	70.44' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	181+53.58	80.57' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	182+32.88	82.00' LT.
CITY OF PEARLAND	WATER	182+55.98 - 182+56.89	82.19' LT. - 74.86' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CITY OF PEARLAND	WATER VALVE	182+56.04	79.17' LT.
CITY OF PEARLAND	WATER VALVE	182+60.27	75.42' LT.
AT&T	COMMUNICATION LINE	182+60.73 - 291+20.96	22.10' RT. - 19.96' RT.
CENTERPOINT	POWER POLE	183+06.33	56.56' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	183+40.96	81.01' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	183+43.20	80.90' LT.
CITY OF PEARLAND	WATER	184+06.66 - 184+44.16	45.16' LT. - 47.75' LT.
CITY OF PEARLAND	WATER FAUCET	184+07.37	45.21' LT.
CITY OF PEARLAND	WATER VALVE	184+25.49	71.70' LT.
CITY OF PEARLAND	WATER	184+25.63 - 184+25.96	68.78' LT. - 76.13' LT.
CITY OF PEARLAND	FIRE HYDRANT	184+25.84	68.45' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	184+29.98	83.13' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	184+30.50 - 184+47.54	84.22' LT. - 58.06' LT.
CITY OF PEARLAND	WATER	184+44.16 - 184+47.60	47.75' LT. - 79.78' LT.
CENTERPOINT	POWER POLE	184+45.11	57.02' LT.
CITY OF PEARLAND	WATER VALVE	184+45.21	47.98' LT.
AT&T	COMMUNICATION LINE	184+47.24 - 231+26.39	56.06' LT. - 54.55' LT.
CITY OF PEARLAND	WATER VALVE	184+47.58	73.56' LT.
CITY OF PEARLAND	WATER VALVE	184+47.63	80.96' LT.
CITY OF PEARLAND	WATER VALVE	184+48.59	52.91' LT.
CENTERPOINT ENERGY	GAS VALVE	184+86.06	59.87' LT.
CENTERPOINT	POWER POLE	185+27.75	56.74' LT.
AT&T	MARKER POST	185+69.25	45.11' RT.
CENTERPOINT	POWER POLE	185+94.71	57.49' LT.
CENTERPOINT	MARKER POST	185+95.19	56.41' LT.
AT&T	COMMUNICATION LINE	185+99.18 - 232+09.87	42.11' RT. - 49.79' RT.
AT&T	COMMUNICATION LINE	185+99.33 - 232+10.24	41.19' RT. - 47.73' RT.
AT&T	COMMUNICATION LINE	185+99.35 - 232+10.16	38.93' RT. - 46.68' RT.
AT&T	COMMUNICATION LINE	185+99.57 - 232+10.14	40.04' RT. - 47.68' RT.
CENTERPOINT	POWER POLE	187+21.08	56.37' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	187+21.08 - 187+58.80	56.37' LT. - 54.27' RT. (CROSSING)
CENTERPOINT	POWER POLE	187+58.80	54.27' RT.
COMCAST	PULL BOX	187+90.12	43.18' LT.
WAVE MEDIA	COMMUNICATION LINE	188+32.79 - 193+55.51	53.79' LT. - 56.84' LT.
WAVE MEDIA	MARKER POST	189+51.69	57.99' LT.
KINDER MORGAN	GAS VENT	189+87.97	53.84' RT.
KINDER MORGAN	PIPELINE	189+87.97 - 231+22.03	52.50' RT. - 48.07' RT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	190+05.24 - 190+13.09	84.99' LT. - 59.95' LT.
CENTERPOINT	POWER POLE	190+10.92	58.85' LT.
AT&T	PULL BOX	190+33.92	68.35' LT.
AT&T	MARKER POST	190+85.52	38.26' RT.
AT&T	PULL BOX	190+86.03	40.67' RT.
AT&T	PULL BOX	190+87.38	41.51' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	190+99.20	83.14' LT.
AT&T	MARKER POST	191+01.43	155.35' RT.
CITY OF PEARLAND	WATER	191+42.34 - 191+42.43	72.63' LT. - 66.34' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	191+42.34 - 191+60.36	72.63' LT. - 61.70' RT. (CROSSING)
CITY OF PEARLAND	WATER VALVE	191+42.42	69.26' LT.
CITY OF PEARLAND	FIRE HYDRANT	191+43.13	66.05' LT.
CITY OF PEARLAND	WATER VALVE	191+44.89	72.09' LT.
SOUTHWESTERN BELL CO.	MARKER POST	191+60.36	61.70' RT.
KINDER MORGAN	MARKER POST	191+74.28	47.90' RT.
AT&T	MARKER POST	191+77.27	39.99' RT.
CENTERPOINT	POWER POLE	192+34.75	155.41' RT.
CENTERPOINT	POWER POLE	192+42.12	53.79' RT.
CENTERPOINT	POWER POLE	192+42.76	204.65' RT.
AT&T	MARKER POST	192+43.03	39.41' RT.
CENTERPOINT	POWER POLE	192+45.15	58.52' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	192+45.15 - 192+64.10	(CROSSING)
AT&T	TELEPHONE PEDESTAL	192+47.25	53.04' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	192+60.97	82.79' LT.
AT&T	TELEPHONE PEDESTAL	192+61.42	31.54' RT.
SOUTHWESTERN BELL CO.	MARKER POST	192+79.37	61.13' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	192+92.35	83.27' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	192+94.24	83.37' LT.
CENTERPOINT	POWER POLE	193+67.22	59.16' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	193+69.10 - 193+70.18	85.86' LT. - 61.67' LT.
SOUTHWESTERN BELL CO.	MARKER POST	194+04.16	63.13' RT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	194+58.72	83.52' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	194+61.11	83.66' LT.
CENTERPOINT	POWER POLE	194+89.29	58.65' LT.
ICTX-WAVE MEDIA	MARKER POST	195+65.90	57.75' LT.
CITY OF PEARLAND	WATER METER	196+39.32	88.00' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	196+39.37	88.01' LT.
MONUMENT	MARKER POST	196+72.76	50.78' RT.
MONUMENT	PIPELINE	196+73.27 - 196+73.51	95.39' LT. - 63.30' RT. (CROSSING)
MONUMENT	GAS VENT	196+73.58	59.28' LT.
MONUMENT	MARKER POST	196+73.74	59.93' LT.
MONUMENT	PIPELINE CATHODIC PROTECTION TEST LEAD	196+73.76	60.11' LT.
MONUMENT	MARKER POST	196+73.87	58.40' LT.
CENTERPOINT	POWER POLE	197+27.09	58.88' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	197+98.03	82.80' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	198+59.25	83.42' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	199+66.93	83.32' LT.
CENTERPOINT	POWER POLE	199+68.79	58.67' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	199+70.24 - 199+70.43	59.71' LT. - 85.81' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	200+15.31	83.06' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	200+21.63	83.89' LT.
M.U.D. 1/HOA	PULL BOX	200+42.06	67.32' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	201+35.30	82.48' LT.
CITY OF PEARLAND	WATER	201+47.80 - 201+47.90	62.77' LT. - 70.55' LT.
CITY OF PEARLAND	WATER VALVE	201+47.94	68.17' LT.
CITY OF PEARLAND	FIRE HYDRANT	201+48.27	62.35' LT.
CITY OF PEARLAND	WATER VALVE	201+50.21	70.57' LT.

UTILITY NAME	TYPE	STATION	OFFSET
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	201+73.42	83.39' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	201+92.98 - 201+94.89	85.96' LT. - 59.75' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	201+93.78 - 201+94.89	85.68' LT. - 59.75' LT.
CENTERPOINT	POWER POLE	201+94.17	59.55' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	202+17.57	82.81' LT.
SOUTHWESTERN BELL CO.	MARKER POST	202+57.01	62.78' RT.
AT&T	MARKER POST	202+58.04	62.62' RT.
ICTX-WAVE MEDIA	MARKER POST	202+64.03	58.40' LT.
WAVE MEDIA	MARKER POST	202+64.43	58.20' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	203+31.55	83.04' LT.
CENTERPOINT	POWER POLE	204+22.57	58.61' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	204+23.71 - 204+24.98	58.99' LT. - 58.19' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	204+24.66 - 204+24.98	59.20' LT. - 85.19' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	204+86.69	83.47' LT.
ICTX-WAVE MEDIA	MARKER POST	206+15.85	58.50' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	206+30.72	82.78' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	206+33.79	83.55' LT.
AT&T	TELEPHONE MANHOLE	206+37.08	50.51' LT.
CENTERPOINT	POWER POLE	206+46.43	59.22' LT.
AT&T	MARKER POST	206+87.89	57.58' RT.
AT&T	UTILITY MANHOLE	206+88.00	55.50' RT.
ICTX-WAVE MEDIA	MARKER POST	207+23.54	59.15' LT.
WAVE MEDIA	MARKER POST	207+23.83	58.79' LT.
COMCAST	PULL BOX	207+65.88	43.51' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	207+68.20	82.90' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	207+68.30	82.96' LT.
KINDER MORGAN	MARKER POST	207+70.13	49.37' RT.
CENTERPOINT	POWER POLE	207+82.32	(CROSSING)
CENTERPOINT	OVERHEAD ELECTRICAL	207+82.32 - 207+90.21	(CROSSING)
CENTERPOINT	POWER POLE	207+84.91	65.49' RT.
CENTERPOINT	POWER POLE	207+90.21	59.35' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	208+74.89 - 208+75.24	46.64' RT. - 59.48' LT. (CROSSING)
CENTERPOINT	POWER POLE	208+75.24	59.48' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	208+75.63 - 208+76.97	85.36' LT. - 60.67' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	209+22.85	83.44' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	209+78.26	82.26' LT.
AT&T	PULL BOX	210+46.83	68.26' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	210+79.02	83.23' LT.
CENTERPOINT	POWER POLE	211+06.81	60.00' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	211+09.12 - 211+10.45	60.91' LT. - 85.16' LT.
CITY OF PEARLAND	WATER VALVE	211+41.75	69.92' LT.
CITY OF PEARLAND	WATER	211+41.79 - 211+41.84	73.16' LT. - 63.93' LT.
CITY OF PEARLAND	FIRE HYDRANT	211+42.59	63.56' LT.
CITY OF PEARLAND	WATER VALVE	211+61.12	73.38' LT.
WAVE MEDIA	MARKER POST	211+69.88	58.66' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	211+78.48	83.48' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	211+81.41	83.48' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	212+89.08	82.84' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	213+18.00	83.31' LT.
CENTERPOINT	POWER POLE	213+28.06	59.82' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	214+64.78	82.78' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	214+68.03	83.21' LT.
CENTERPOINT	POWER POLE	215+42.04	59.88' LT.
SOUTHWESTERN BELL CO.	MARKER POST	215+53.47	57.71' RT.
SOUTHWESTERN BELL CO.	MARKER POST	216+04.62	61.66' RT.
CITY OF PEARLAND	POWER PEDESTAL	217+77.81	83.75' LT.
CITY OF PEARLAND	ELEC. METER	217+77.94	83.61' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	217+79.20	84.60' LT.
CITY OF PEARLAND	POWER PEDESTAL	217+79.57	83.66' LT.
CENTERPOINT	POWER POLE	217+79.82	58.28' LT.
CITY OF PEARLAND	ELEC. JUNCTION BOX	217+84.12	82.98' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	219+00.00	81.95' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	219+00.23	83.02' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	219+37.78	82.58' LT.

LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

UTILITY NAME	TYPE	STATION	OFFSET
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	219+37.79	82.58' LT.
CENTERPOINT	POWER POLE	220+07.30	59.19' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	220+07.53 - 220+08.25	85.46' LT. - 64.16' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	220+14.72	83.04' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	220+14.81	83.35' LT.
M.U.D. 1/HOA	PULL BOX	220+46.30	68.22' LT.
CITY OF PEARLAND	WATER	221+45.17 - 221+45.31	73.48' LT. - 67.87' LT.
CITY OF PEARLAND	WATER VALVE	221+45.40	70.97' LT.
CITY OF PEARLAND	FIRE HYDRANT	221+46.04	67.63' LT.
CITY OF PEARLAND	WATER VALVE	221+47.68	74.11' LT.
AT&T	COMMUNICATION LINE	221+56.18 - 230+72.42	67.19' LT. - 68.45' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	221+60.26	74.28' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	221+74.72	82.52' LT.
CENTERPOINT	POWER POLE	222+33.42	58.88' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	222+35.92 - 222+36.61	59.54' LT. - 85.11' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	223+03.16	82.52' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	223+45.88	83.70' LT.
KINDER MORGAN	MARKER POST	223+68.14	50.25' RT.
CENTERPOINT	POWER POLE	224+60.08	60.22' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	224+93.26	82.33' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	225+21.51	82.60' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	226+67.06	82.65' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	226+69.50	82.41' LT.
CENTERPOINT	POWER POLE	226+90.89	58.41' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	228+69.47	82.18' LT.
CENTERPOINT	POWER POLE	229+12.31	58.72' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	229+82.86	82.93' LT.
CITY OF PEARLAND	STORM MANHOLE	229+93.87	69.73' LT.
CENTERPOINT	POWER POLE	230+26.07	133.26' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	230+26.07 - 230+98.48	(CROSSING)
AT&T	PULL BOX	230+32.58	67.52' LT.
CENTERPOINT	POWER POLE	230+41.90	56.60' LT.
HOUSTON PIPELINE	PIPELINE	230+50.05 - 230+77.39	(CROSSING)
HOUSTON PIPELINE	GAS VENT	230+56.41	76.55' LT.
ENERGY TRANSFER	MARKER POST	230+56.81	76.99' LT.
CENTERPOINT	POWER POLE	230+59.85	56.75' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	230+59.85 - 232+23.84	56.75' RT - 54.04' RT.
KINDER MORGAN	PIPELINE	230+67.29 - 231+31.81	122.23' LT. - 71.47' RT.
ENERGY TRANSFER	MARKER POST	230+77.95	36.74' RT.
CENTERPOINT ENERGY	GAS LINE	230+78.78 - 299+20.31	40.35' RT. - 39.72' RT.
KINDER MORGAN	GAS VENT	230+82.31	73.29' LT.
ENERGY TRANSFER	MARKER POST	230+82.36	73.35' LT.
KINDER MORGAN	MARKER POST	230+82.37	72.59' LT.
KINDER MORGAN	GAS PUMP (NATURAL GAS)	231+14.82	48.79' RT.
KINDER MORGAN	VALVE (UNKNOWN)	231+15.48	47.61' RT.
KINDER MORGAN	GAS VENT	231+23.37	54.55' RT.
KINDER MORGAN	GAS VENT	231+23.41	54.91' RT.
KINDER MORGAN	MARKER POST	231+26.13	52.31' RT.
AT&T	COMMUNICATION LINE	231+26.54 - 260+77.67	54.49' LT. - 55.76' LT.
CENTERPOINT ENERGY	GAS VENT	231+32.99	64.49' RT.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARYAND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

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2929 Briarpark Drive
Suite 175
Houston, Texas 77042
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T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	4

PROJECT NO. LJAS001-2694-1901

UTILITIES ALONG F.M. 521

UTILITY NAME	TYPE	STATION	OFFSET
CENTERPOINT	POWER POLE	231+36.72	64.01' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	231+36.72 - 231+37.68	64.01' RT. - 58.44' LT. (CROSSING)
CENTERPOINT	POWER POLE	231+37.68	58.44' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	231+39.53	87.65' LT.
CITY OF PEARLAND	WATER VALVE	231+39.65	87.57' LT.
CITY OF PEARLAND	WATER	231+42.52 - 231+42.60	64.15' LT. - 71.40' LT.
CITY OF PEARLAND	WATER	231+42.52 - 260+73.44	64.15' LT. - 72.51' LT.
CITY OF PEARLAND	WATER VALVE	231+42.65	67.41' LT.
CITY OF PEARLAND	FIRE HYDRANT	231+42.81	63.92' LT.
CITY OF PEARLAND	WATER VALVE	231+50.73	71.27' LT.
AT&T	MARKER POST	231+54.63	58.37' RT.
CENTERPOINT ENERGY	GAS LINE	231+88.94 - 386+12.65	49.02' RT. - 46.05' RT.
AT&T	COMMUNICATION LINE	231+89.63 - 260+87.14	54.28' RT. - 49.42' RT.
WAVE MEDIA	COMMUNICATION LINE	232+12.13 - 260+67.17	41.88' LT. - 44.82' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	232+22.66 - 232+22.92	(CROSSING)
CENTERPOINT	POWER POLE	232+22.92	58.61' LT.
CENTERPOINT	POWER POLE	232+23.39	155.01' RT.
CENTERPOINT	POWER POLE	232+23.84	54.04' RT.
CITY OF PEARLAND	WATER VALVE	232+61.33	82.36' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	232+61.41	82.33' LT.
CENTERPOINT	POWER POLE	232+76.89	57.74' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	232+79.38 - 232+92.69	57.64' LT. - 59.89' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	232+92.05 - 232+92.69	85.35' LT. - 59.89' LT.
AT&T	TELEPHONE MANHOLE	233+04.20	50.62' LT.
AT&T	MARKER POST	233+16.98	57.97' RT.
CENTERPOINT	POWER POLE	233+64.88	58.72' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	233+67.19 - 234+10.11	59.20' LT. - 62.69' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	234+10.11 - 234+15.13	62.70' LT. - 85.17' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	234+43.68	83.60' LT.
CITY OF PEARLAND	WATER VALVE	234+45.82	82.85' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	234+45.87	82.79' LT.
CITY OF PEARLAND	WATER VALVE	235+02.65	82.55' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	235+02.77	82.49' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	235+64.44	81.36' LT.
CENTERPOINT	POWER POLE	235+87.18	58.58' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	237+50.37	82.33' LT.
CITY OF PEARLAND	WATER VALVE	237+50.39	82.31' LT.
CENTERPOINT	POWER POLE	238+12.09	58.26' LT.
CENTERPOINT	POWER POLE	240+35.55	58.20' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	240+37.77 - 240+37.96	60.04' LT. - 85.40' LT.
CITY OF PEARLAND	WATER	240+54.69 - 240+54.93	63.47' LT. - 69.06' LT.
CITY OF PEARLAND	FIRE HYDRANT	240+54.87	63.20' LT.
CITY OF PEARLAND	WATER VALVE	240+54.99	65.99' LT.
CITY OF PEARLAND	WATER VALVE	240+57.52	69.08' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	240+70.40	82.60' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	240+70.42	83.54' LT.
CITY OF PEARLAND	WATER VALVE	240+70.53	82.47' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	240+73.13	83.15' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	240+73.17	83.05' LT.
CITY OF PEARLAND	WATER VALVE	240+73.19	82.92' LT.
M.U.D. 1/HOA	PULL BOX	241+22.32	66.07' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	242+20.72	82.67' LT.
CITY OF PEARLAND	WATER VALVE	242+20.74	82.57' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	242+21.04	82.70' LT.
CENTERPOINT	POWER POLE	242+59.45	58.39' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	244+52.23	82.61' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	244+52.30	82.67' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	244+55.11	82.97' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	244+55.56	83.09' LT.
CENTERPOINT	POWER POLE	244+83.57	59.39' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	244+85.29 - 244+87.65	60.62' LT. - 85.07' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	245+33.26	82.40' LT.
M.U.D. 1/HOA	IRRIGATION CONTROL VALVE	245+33.35	82.65' LT.
CENTERPOINT	POWER POLE	247+06.97	59.60' LT.
CENTERPOINT	POWER POLE	249+31.59	60.85' LT.
CITY OF PEARLAND	WATER	250+66.06 - 250+66.24	65.18' LT. - 71.67' LT.
CITY OF PEARLAND	WATER VALVE	250+66.23	68.24' LT.
CITY OF PEARLAND	FIRE HYDRANT	250+66.37	64.86' LT.
CITY OF PEARLAND	WATER VALVE	250+68.35	71.59' LT.
CITY OF PEARLAND	PULL BOX	251+08.18	70.17' LT.
CENTERPOINT	POWER POLE	251+57.81	59.41' LT.
CENTERPOINT	POWER POLE	253+78.89	60.00' LT.
CENTERPOINT	POWER POLE	256+02.92	59.47' LT.
CITY OF PEARLAND	WATER VALVE	257+97.16	71.14' LT.
CITY OF PEARLAND	WATER	258+01.33 - 258+01.64	71.33' LT. - 84.94' LT.
CITY OF PEARLAND	WATER VALVE	258+01.37	73.57' LT.
CITY OF PEARLAND	WATER FAUCET	258+01.70	84.83' LT.
WAVEMEDIA	PULL BOX	258+02.67	43.56' LT.
CENTERPOINT	POWER POLE	258+28.95	59.54' LT.
CENTERPOINT	POWER POLE	259+23.90	58.70' LT.
AT&T	COMMUNICATION LINE	259+42.98 - 261+35.98	51.35' RT. - 49.40' RT.
AT&T	MARKER POST	259+54.86	57.53' LT.
SOUTHWESTERN BELL CO.	MARKER POST	259+55.10	57.72' LT.
AT&T	COMMUNICATION LINE	259+62.71 - 261+28.41	51.00' RT. - 51.46' RT.
CENTERPOINT	POWER POLE	259+92.10	60.48' LT.
CENTERPOINT	POWER POLE	260+49.62	60.85' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	260+49.62 - 260+93.65	60.85' LT. - 54.86' RT. (CROSSING)
AT&T	COMMUNICATION LINE	260+59.36 - 261+45.16	36.91' RT. - 38.74' RT.
CITY OF PEARLAND	PULL BOX	260+59.43	69.46' LT.
CITY OF PEARLAND	WATER	260+67.36 - 260+73.44	78.48' LT. - 72.51' LT.
CITY OF PEARLAND	WATER VALVE	260+68.63	78.43' LT.
CITY OF PEARLAND	WATER VALVE	260+74.63	72.49' LT.
CENTERPOINT	POWER POLE	260+75.09	60.40' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	260+75.09 - 261+11.01	60.40' LT. - 56.73' RT. (CROSSING)

UTILITY NAME	TYPE	STATION	OFFSET
TXDOT	TRAFFIC CONTROL BOX	260+81.31	72.60' LT.
AT&T	COMMUNICATION LINE	260+85.89 - 262+38.62	50.07' LT. - 56.66' LT.
AT&T	COMMUNICATION LINE	260+87.35 - 262+39.59	57.09' LT. - 58.48' LT.
AT&T	COMMUNICATION LINE	260+87.80 - 262+39.88	58.18' LT. - 59.35' LT.
AT&T	COMMUNICATION LINE	260+88.11 - 262+39.60	52.09' LT. - 57.56' LT.
CENTERPOINT	POWER POLE	260+93.65	54.86' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	260+94.37	65.17' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	260+94.55	64.98' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	260+96.92	44.26' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	260+97.85	32.12' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	260+98.19	17.42' LT.
CENTERPOINT	POWER POLE	261+11.01	56.73' RT.
CENTERPOINT	METER POLE	261+25.05	54.34' RT.
CENTERPOINT	METER POLE	261+38.71	80.31' RT.
AT&T	MARKER POST	261+45.29	40.00' RT.
AT&T	MARKER POST	261+45.45	39.82' RT.
TXDOT	TRAFFIC CONTROL BOX	261+45.80	44.09' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	261+51.31	44.73' RT.
TXDOT	TRAFFIC CONTROL BOX	261+51.45	49.74' RT.
AT&T	COMMUNICATION LINE	261+55.95 - 263+10.18	55.72' RT. - 40.24' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+68.39	40.68' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+70.57	71.34' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+79.49	38.19' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+86.94	76.94' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+90.90	36.60' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	261+98.73	81.02' LT.
CENTERPOINT	POWER POLE	262+15.05	88.53' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	262+15.05	88.53' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	262+15.21	88.25' LT.
CENTERPOINT	POWER POLE	262+24.92	84.11' LT.
AT&T	COMMUNICATION LINE	262+49.08 - 286+50.63	54.98' LT. - 48.33' LT.
CENTERPOINT	POWER POLE	262+55.74	57.99' LT.
CENTERPOINT	POWER POLE	262+76.64	59.86' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	262+81.64	4.88' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	262+82.07	17.58' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	262+82.08	6.57' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	262+85.00	45.93' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	262+85.06	46.35' RT.
CENTERPOINT	POWER POLE	263+12.71	57.03' RT.
AT&T	MARKER POST	263+18.79	40.67' RT.
AT&T	MARKER POST	263+18.81	40.61' RT.
AT&T	CABLE PEDESTAL (NO LID)	263+22.21	40.99' RT.
AT&T	COMMUNICATION LINE	263+39.36 - 291+20.45	42.52' RT. - 41.20' RT.
CENTERPOINT	MARKER POST	263+71.48	48.61' RT.
CENTERPOINT	POWER POLE	265+00.49	59.89' LT.
CENTERPOINT	POWER POLE	267+23.75	59.70' LT.
AT&T	MARKER POST	267+34.67	46.76' RT.
CENTERPOINT ENERGY	GAS LINE	267+46.53 - 260+32.83	57.24' LT. - 54.14' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	267+77.27	69.45' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	267+86.85	68.87' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	267+89.67	68.79' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	269+30.70	67.61' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	269+33.22	67.50' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	269+36.00 - 269+47.27	78.69' LT. - 60.46' LT.
CENTERPOINT	POWER POLE	269+45.51	60.11' LT.
AT&T	TELEPHONE MANHOLE	270+09.28	53.24' RT.
AT&T	MARKER POST	270+10.65	58.18' RT.
SOUTHWESTERN BELL CO.	MARKER POST	270+11.04	57.60' RT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	270+38.69	66.87' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	270+41.83	67.12' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	271+40.40 - 271+84.76	78.71' LT. - 78.17' LT.
CENTERPOINT	POWER POLE	271+72.31	60.09' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	271+74.14 - 271+84.76	59.95' LT. - 78.17' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	271+91.46	67.72' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	271+93.96	67.49' LT.
M.U.D. 1/HOA	POWER PEDESTAL	272+34.83	75.81' LT.
CITY OF PEARLAND	REAL TIME FLOW MONITORING SYSTEM	272+38.95	76.78' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	272+51.62	75.93' LT.
AT&T	MARKER POST	273+72.20	55.86' RT.
CENTERPOINT	POWER POLE	273+96.49	59.47' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	273+97.61 - 273+98.97	60.34' LT. - 81.81' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	274+66.01	66.41' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	274+68.21	66.48' LT.
AT&T	MARKER POST	274+96.91	44.08' RT.
CENTERPOINT	POWER POLE	276+22.25	60.14' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	276+53.97	68.30' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	276+56.46	68.44' LT.
M.U.D. 1/HOA	PULL BOX	276+62.11	42.76' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	276+82.68	75.76' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	276+82.93	68.05' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	276+85.19	67.87' LT.
CENTERPOINT	POWER POLE	278+45.25	59.71' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	278+63.63	68.07' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	279+66.60	65.59' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	279+69.09	65.43' LT.
CENTERPOINT	POWER POLE	280+73.11	59.70' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	281+93.21	67.89' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	281+95.89	67.95' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	281+98.56	68.04' LT.
M.U.D. 1/HOA	IRRIGATION PULL BOX	282+05.00	69.79' LT.
CENTERPOINT	POWER POLE	282+33.92	127.33' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	282+33.92 - 282+59.94	127.33' LT. - 58.53' LT.
CENTERPOINT	POWER POLE	282+35.24	58.19' LT.
CENTERPOINT	POWER POLE	282+52.45	78.47' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CENTERPOINT	POWER POLE	282+59.94	58.53' LT.
CITY OF PEARLAND	UNDERGROUND ELECTRICAL	282+66.92 - 283+22.28	94.66' LT. - 58.57' RT. (CROSSING)
LGS-RENEWABLES	MARKER POST	282+78.14	61.50' LT.
AT&T	MARKER POST	282+80.65	42.59' RT.
CITY OF PEARLAND	WATER VALVE	283+66.43	47.88' LT.
CITY OF PEARLAND	WATER VALVE	283+70.16	52.47' LT.
CITY OF PEARLAND	FIRE HYDRANT	283+70.51	56.98' LT.
CENTERPOINT	POWER POLE	283+96.86	61.27' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	283+99.64 - 286+51.50	60.41' LT. - 59.09' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	284+00.05	60.69' LT.
FRONTIER/VERIZON	MARKER POST	284+51.25	60.45' LT.
SOUTHWESTERN BELL CO.	SIGN	284+83.30	60.23' RT.
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	284+85.34	58.83' RT.
AT&T	TELEPHONE PEDESTAL	284+86.44	58.52' RT.
AT&T	MARKER POST	285+04.87	58.54' RT.
AT&T	TELEPHONE PEDESTAL	285+09.20	60.50' RT.
AT&T	TELEPHONE PEDESTAL	285+09.98	60.19' RT.
CENTERPOINT	POWER POLE	285+16.15	61.02' LT.
AT&T	MARKER POST	285+16.19	60.55' RT.
AT&T	MARKER POST	285+16.29	61.39' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	285+86.62 - 286+55.37	246.72' LT. - 61.67' LT.
SOUTHWESTERN BELL CO.	MARKER POST	285+99.57	59.81' LT.
AT&T	TELEPHONE MANHOLE	286+18.03	50.46' LT.
WAVE MEDIA	COMMUNICATION LINE	286+30.11 - 289+23.77	44.22' LT. - 42.96' LT.
AT&T	COMMUNICATION LINE	286+51.61 - 300+47.29	60.17' LT. - 59.85' LT.
CENTERPOINT	POWER POLE	286+55.37	61.68' LT.
COMCAST	FIBER OPTIC LINE	286+99.05 - 289+96.25	62.99' LT. - 59.96' LT.
AT&T	COMMUNICATION LINE	286+99.25 - 289+96.16	60.09' LT. - 57.75' LT.
AT&T	MARKER POST	287+05.54	60.03' LT.
CITY OF PEARLAND	WATER VALVE	287+10.76	52.17' LT.
CITY OF PEARLAND	FIRE HYDRANT	287+11.23	57.74' LT.
AT&T	MARKER POST	287+15.59	60.57' LT.
COMCAST	PULL BOX	287+32.87	61.54' LT.
COMCAST	TELEPHONE PEDESTAL	287+35.26	61.28' LT.
CENTERPOINT	METER POLE	287+36.72	58.98' LT.
CENTERPOINT	POWER POLE	287+37.26	61.79' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	287+41.34	60.60' LT.
AT&T	COMMUNICATION LINE	288+77.90 - 289+96.64	62.09' LT. - 61.64' LT.
AT&T	COMMUNICATION LINE	289+28.03 - 290+29.21	60.79' LT. - 59.18' LT.
COMCAST	FIBER OPTIC LINE	289+28.37 - 290+28.92	62.18' LT. - 60.69' LT.
CENTERPOINT	POWER POLE	289+57.49	60.64' LT.
CENTERPOINT	UTILITY POLE	289+81.29	205.61' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	289+81.29 - 291+30.47	(CROSSING)
CENTERPOINT ENERGY	GAS LINE	290+06.67 - 290+33.88	122.01' LT. - 47.09' LT.
CENTERPOINT	UTILITY POLE	290+19.26	105.80' LT.
COMCAST	MARKER POST	290+31.32	59.54' LT.
CENTERPOINT ENERGY	GAS LINE	290+31.98 - 290+33.11	60.06' LT. - 46.23' RT. (CROSSING)
CENTERPOINT ENERGY	GAS LINE	290+33.11 - 290+57.24	46.23' RT. - 45.90' RT.
CENTERPOINT	POWER POLE	290+34.98	60.34' LT.
COMCAST	RISER	290+35.30	61.70' LT.
COMCAST	TELEPHONE PEDESTAL	290+37.84	59.26' LT.
COMCAST	PULL BOX	290+40.19	59.64' LT.
COMCAST	MARKER POST (CATV)	290+42.67	60.90' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	290+81.56	89.23' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	290+86.93 - 291+14.35	47.15' RT. - 49.80' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	290+86.93 - 291+25.89	47.15' RT. - 46.48' RT.
CITY OF PEARLAND	WATER VALVE	291+00.48	51.59' LT.
CITY OF PEARLAND	FIRE HYDRANT	291+00.71	57.11' LT.
AT&T	MARKER POST	291+05.54	61.90' LT.
AT&T	PULL BOX	291+06.15	61.22' LT.
AT&T	PULL BOX	291+07.56	60.45' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	291+16.47	119.30' RT.
AT&T	COMMUNICATION LINE	291+20.45 - 291+25.55	41.20' RT. - 159.41' RT.
AT&T	COMMUNICATION LINE	291+20.96 - 291+27.38	19.96' RT. - 157.68' RT.

N

500 0 500 1000

LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

UTILITY NAME	TYPE	STATION	OFFSET
AT&T	COMMUNICATION LINE	291+20.96 - 292+05.63	19.96' RT. - 346.89' RT.
AT&T	MARKER POST	291+21.10	63.30' RT.
AT&T	COMMUNICATION LINE	291+22.57 - 291+28.86	19.37' RT. - 158.06' RT.
AT&T	COMMUNICATION LINE	291+22.57 - 292+02.05	19.37' RT. - 348.43' RT.
CITY OF PEARLAND	WATER VALVE	291+23.26	47.02' LT.
CENTERPOINT	METER POLE	291+24.32	134.94' RT.
AT&T	MARKER POST	291+29.53	167.07' RT.
AT&T	MARKER POST	291+29.63	167.13' RT.
AT&T	PULL BOX	291+29.64	164.77' RT.
AT&T	PULL BOX	291+29.70	164.77' RT.
CENTERPOINT	POWER POLE	291+30.47	160.25' RT.
AT&T	MARKER POST	291+67.11	254.79' RT.
COMCAST	TELEPHONE PEDESTAL	291+74.63	60.35' LT.
CENTERPOINT	POWER POLE	291+76.32	60.56' LT.
CENTERPOINT	POWER POLE	292+02.05	348.43' RT.
CENTERPOINT	POWER POLE	292+60.83	60.21' LT.
AT&T	MARKER POST	292+64.29	57.28' LT.
CENTERPOINT	UTILITY POLE	293+01.84	61.63' LT.
AT&T	MARKER POST	293+08.01	58.74' LT.
CENTERPOINT	POLE (ABANDONED)	293+93.76	60.48' LT.
CENTERPOINT	POLE (ABANDONED)	293+94.84	60.49' LT.
CENTERPOINT	POWER POLE	293+98.35	61.62' LT.
CITY OF PEARLAND	WATER VALVE	294+50.67	53.49' LT.
CITY OF PEARLAND	FIRE HYDRANT	294+51.40	57.37' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	295+15.97 - 296+15.74	216.79' LT - 61.10' LT.
CENTERPOINT	MARKER POST	295+73.26	61.79' LT.
CENTERPOINT	UTILITY POLE	295+95.35	106.93' LT.
CENTERPOINT	POWER POLE	296+15.74	61.10' LT.
CITY OF PEARLAND	WATER VALVE	297+94.37	49.77' LT.
CITY OF PEARLAND	FIRE HYDRANT	297+94.46	56.63' LT.
CENTERPOINT	POWER POLE	297+94.89	61.34' LT.
LGS RENEWABLE	PIPELINE	298+34 - 298+54	CROSSING
CENTERPOINT	POWER POLE	299+74.48	61.46' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	299+74.48 - 301+32.41	(CROSSING)
FRONTIER/VERIZON	COMMUNICATION LINE	299+78.84 - 311+37.99	57.15' LT. - 57.23' LT.
CENTERPOINT	UTILITY POLE	300+15.64	116.32' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	300+15.64 - 300+76.39	(CROSSING)
CENTERPOINT	POWER POLE	300+37.96	60.60' LT.
COMCAST	FIBER OPTIC LINE	300+39.23 - 304+35.07	60.80' LT. - 54.19' LT.
COMCAST	FIBER OPTIC LINE	300+39.23 - 304+35.17	60.80' LT. - 54.71' LT.
AT&T	COMMUNICATION LINE	300+39.23 - 311+41.59	60.80' LT. - 58.01' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	300+76.39	61.19' RT.
CITY OF PEARLAND	WATER VALVE	301+50.25	52.83' LT.
CITY OF PEARLAND	FIRE HYDRANT	301+51.25	58.79' LT.
COMCAST	PULL BOX	302+05.49	61.35' LT.
COMCAST	TELEPHONE PEDESTAL	302+07.88	61.32' LT.
COMCAST	FIBER OPTIC LINE	302+08.91 - 306+72.60	59.77' LT. - 60.77' LT.
CENTERPOINT	POWER POLE	302+10.27	62.70' LT.
WAVE MEDIA	COMMUNICATION LINE	302+76.28 - 311+52.02	39.75' LT. - 45.70' LT.
COMCAST	PULL BOX	304+36.37	61.26' LT.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARYAND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

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Suite 175
Houston, Texas 77042
Phone 713.953.5200
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T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	5

PROJECT NO. LJAS001-2694-1901

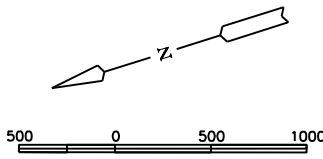
UTILITIES ALONG F.M. 521

UTILITY NAME	TYPE	STATION	OFFSET
COMCAST	TELEPHONE PEDESTAL	304+40.26	60.92' LT.
CENTERPOINT	POWER POLE	304+40.39	63.02' LT.
CITY OF PEARLAND	WATER VALVE	305+01.11	50.20' LT.
CITY OF PEARLAND	FIRE HYDRANT	305+01.84	58.85' LT.
CITY OF PEARLAND	WATER VALVE	305+06.25	48.02' LT.
CENTERPOINT	POWER POLE	306+75.94	60.32' LT.
CITY OF PEARLAND	WATER VALVE	308+40.10	51.34' LT.
CITY OF PEARLAND	FIRE HYDRANT	308+40.31	57.80' LT.
CITY OF PEARLAND	FIRE HYDRANT	308+40.78	57.72' LT.
CENTERPOINT ENERGY	GAS VALVE	308+54.82	51.05' RT.
CENTERPOINT	MARKER POST	308+58.81	46.66' RT.
CENTERPOINT	POWER POLE	309+08.86	59.60' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+28.64 - 312+01.98	47.61' RT. - 45.35' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+29.55 - 317+02.50	43.49' RT. - 43.94' RT.
AT&T	MARKER POST	311+36.98	59.59' LT.
CENTERPOINT	POWER POLE	311+37.70	81.54' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	311+37.70 - 311+63.12	(CROSSING)
FRONTIER/VERIZON	TELEPHONE PEDESTAL	311+37.99	57.23' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	311+41.59	58.01' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+41.96 - 311+45.93	55.97' LT. - 47.71' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	311+43.31	58.04' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+43.59 - 322+50.69	57.39' LT. - 56.59' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	311+44.34	57.78' LT.
COMCAST	PULL BOX	311+45.65	48.84' RT.
COMCAST	RISER	311+45.80	57.44' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+45.94 - 322+50.69	47.71' LT. - 56.59' LT.
CENTERPOINT	UTILITY POLE	311+46.24	58.88' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	311+46.24 - 311+63.12	(CROSSING)
FRONTIER/VERIZON	COMMUNICATION LINE	311+48.18 - 311+60.33	37.48' LT. - 155.64' RT.
FRONTIER/VERIZON	PULL BOX	311+50.73	48.64' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	311+51.73	44.39' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+55.03 - 312+05.87	156.79' RT. - 155.81' RT.
CENTERPOINT	POWER POLE	311+56.89	51.94' RT.
CENERTPOINT ENERGY	PIPELINE CATHODIC PROTECTION TEST LEAD	311+57.43	50.34' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	311+60.33 - 312+05.89	155.64' RT. - 154.06' RT.
CENTERPOINT	POWER POLE	311+63.12	159.02' RT.
AT&T	COMMUNICATION LINE	311+65.58 - 322+41.80	47.49' LT. - 50.33' LT.
CITY OF PEARLAND	WATER VALVE	311+92.00	76.10' LT.
AT&T	COMMUNICATION LINE	311+93.53 - 315+16.51	56.91' LT. - 60.33' LT.
CITY OF PEARLAND	FIRE HYDRANT	311+97.25	77.46' LT.
AT&T	MARKER POST	312+08.89	59.27' LT.
CENTERPOINT	UTILITY POLE	312+11.83	153.85' RT.
WAVE MEDIA	COMMUNICATION LINE	312+90.63 - 319+79.07	43.90' LT. - 43.43' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	313+12.81	59.49' LT.
AT&T	TELEPHONE PEDESTAL	313+15.45	59.01' LT.
CENTERPOINT	POWER POLE	313+17.71	59.07' LT.
CENTERPOINT	POWER POLE	313+17.71	59.07' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	313+12.81	59.49' LT.
AT&T	TELEPHONE PEDESTAL	313+15.45	59.01' LT.
CENTERPOINT	POWER POLE	313+17.71	59.07' LT.
CENTERPOINT	POWER POLE	313+17.71	59.07' LT.
CENTERPOINT	POWER POLE	314+93.53	59.51' LT.
CITY OF PEARLAND	FIRE HYDRANT	315+28.78	38.58' RT.
CITY OF PEARLAND	WATER VALVE	315+29.21	35.74' RT.
CENTERPOINT	POWER POLE	316+96.58	59.12' LT.
TXDOT	TRAFFIC CONTROL BOX	318+21.99	39.88' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	318+23.10	49.31' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	318+23.10 - 318+26.91	49.31' LT. - 42.08' RT. (CROSSING)
CENTERPOINT	OVERHEAD ELECTRICAL	318+23.10 - 319+26.04	49.31' LT. - 50.24' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	318+23.22	49.27' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+24.01	34.52' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+24.53	21.98' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+25.09	7.10' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	318+26.91	42.08' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	318+26.91 - 319+28.20	42.08' RT. - 39.54' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	318+27.03	41.84' RT.
AT&T	COMMUNICATION LINE	318+32.90 - 322+02.08	56.39' LT. - 58.47' LT.
COMCAST	FIBER OPTIC LINE	318+33.10 - 321+92.90	58.15' LT. - 59.92' LT.
CITY OF PEARLAND	FIRE HYDRANT	318+33.24	66.29' LT.
CITY OF PEARLAND	WATER VALVE	318+35.56	67.72' LT.
CENTERPOINT	UTILITY POLE	318+60.86	135.54' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	318+60.86 - 318+89.89	135.54' LT. - 59.89' LT.
CENTERPOINT	POWER POLE	318+69.59	103.76' LT.
CENERTPOINT ENERGY	PIPELINE CATHODIC PROTECTION TEST LEAD	318+71.83	45.25' RT.
CENTERPOINT ENERGY	GAS VALVE	318+74.25	41.92' RT.
CITY OF PEARLAND	WATER METER	318+74.93	89.58' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+80.20	51.20' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+85.36	40.71' RT.
CENTERPOINT	POWER POLE	318+86.02	61.30' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	318+86.02 - 319+69.01	(CROSSING)
AT&T	TELEPHONE PEDESTAL	318+88.45	56.75' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+89.42	51.03' LT.
CENTERPOINT	POWER POLE	318+89.89	59.89' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	318+91.89	59.32' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	318+94.44	40.30' RT.
CITY OF PEARLAND	WATER VALVE	318+99.38	159.68' RT.
CENTERPOINT	UTILITY POLE	319+02.97	203.26' RT.
CENTERPOINT	ELEC. JUNCTION BOX	319+03.37	205.14' RT.
FRONTIER/VERIZON	MARKER POST	319+04.01	59.49' LT.
CENTERPOINT	METER POLE	319+09.06	57.97' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	319+26.04	50.24' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	319+26.04 - 319+28.20	50.24' LT. - 39.54' RT. (CROSSING)
TXDOT	TRAFFIC SIGNAL LIGHT POLE	319+26.32	50.15' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	319+27.15	7.74' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	319+27.50	17.13' RT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	319+27.68	119.95 RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	319+27.90	6.76' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	319+28.14	39.39' RT.

UTILITY NAME	TYPE	STATION	OFFSET
TXDOT	TRAFFIC SIGNAL LIGHT POLE	319+28.20	39.54' RT.
CITY OF PEARLAND	WATER VALVE	319+28.77	221.82' RT.
CITY OF PEARLAND	WATER VALVE	319+29.82	229.89' RT.
TXDOT	TRAFFIC CONTROL BOX	319+30.08	48.32' LT.
TXDOT	TRAFFIC CONTROL BOX	319+32.30	39.51' RT.
CENTERPOINT	POWER POLE	319+33.94	233.68' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	319+33.94 - 319+91.75	233.68' RT. - 137.77' RT.
CITY OF PEARLAND	FIRE HYDRANT	319+34.82	229.10' RT.
TXDOT	TRAFFIC CONTROL BOX	319+41.50	39.63' RT.
CENTERPOINT	POWER POLE	319+69.01	181.08' RT.
CENTERPOINT	SERVICE POLE	319+91.75	137.77' RT.
CENTERPOINT	POWER POLE	319+97.84	136.35' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	320+11.03	57.13' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	320+13.23	58.40' LT.
CENTERPOINT	POWER POLE	320+15.97	58.58' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	320+22.33	56.90' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	320+57.23	56.79' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	320+63.58	58.33' LT.
CITY OF PEARLAND	WATER VALVE	321+46.22	37.69' RT.
CITY OF PEARLAND	FIRE HYDRANT	321+46.80	40.91' RT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	321+60.69	59.63' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	321+63.45 - 322+52.53	(CROSSING)
FRONTIER/VERIZON	MARKER POST	321+80.31	59.61' LT.
AT&T	MARKER POST	321+91.49	58.92' LT.
CENTERPOINT	POWER POLE	321+92.86	83.95' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	321+95.88	59.31' LT.
CENTERPOINT	POWER POLE	321+97.71	59.93' LT.
CITY OF PEARLAND	FIRE HYDRANT	321+98.08	68.34' LT.
CITY OF PEARLAND	WATER VALVE	322+01.09	69.72' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	322+03.11	59.80' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	322+50.69 - 326+21.00	56.59' LT. - 56.06' LT.
CENTERPOINT	POWER POLE	322+52.53	72.48' RT.
AT&T	MARKER POST	322+53.90	59.47' LT.
CENTERPOINT	POWER POLE	323+45.73	59.98' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	323+49.38	58.80' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	323+49.64	58.41' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	324+28.88 - 324+90.04	107.99' LT. - 58.58' LT.
CITY OF PEARLAND	WATER VALVE	324+48.94	35.78' RT.
CITY OF PEARLAND	FIRE HYDRANT	324+48.96	39.50' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	324+72.90 - 324+90.04	112.39' LT. - 58.58' LT.
CENTERPOINT	POWER POLE	324+90.04	58.58' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	324+90.04 - 325+07.84	58.58' LT. - 95.05' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	324+91.87	58.25' LT.
COMCAST	FIBER OPTIC LINE	325+79.04 - 326+14.27	148.01' LT. - 56.84' LT.
COMCAST	TELEPHONE PEDESTAL	325+79.72	144.28' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	326+01.44	58.47' LT.
COMCAST	FIBER OPTIC LINE	326+14.27 - 333+61.09	56.84' LT. - 62.12' LT.
AT&T	MARKER POST	326+18.34	59.44' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	326+26.23 - 333+61.12	49.57' LT. - 60.45' LT.
AT&T	COMMUNICATION LINE	326+26.38 - 333+60.81	56.19' LT. - 60.00' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	326+27.09 - 333+61.38	51.45' LT. - 61.13' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	326+29.55 - 326+80.66	208.90' LT. - 59.48' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	326+34.06 - 327+24.60	(CROSSING)
CITY OF PEARLAND	LIGHT POLE	326+63.36	136.71' LT.
WAVE MEDIA	COMMUNICATION LINE	326+68.01 - 327+92.49	44.25' LT. - 43.34' LT.
CENTERPOINT	POWER POLE	326+71.08	59.56' LT.
AT&T	MARKER POST	326+73.56	59.55' LT.
CITY OF PEARLAND	LIGHT POLE	326+77.75	174.53' LT.
CENTERPOINT	POWER POLE	326+80.66	59.48' LT.
AT&T	TELEPHONE PEDESTAL	326+82.25	58.55' LT.
CENTERPOINT	POWER POLE	326+83.66	59.27' LT.
CITY OF PEARLAND	LIGHT POLE	326+85.03	77.97' LT.
CENTERPOINT	MARKER POST	327+10.38	57.13' RT.
CENTERPOINT	POWER POLE	327+24.60	62.11' RT.
CITY OF PEARLAND	LIGHT POLE	327+56.21	180.59' LT.
CITY OF PEARLAND	LIGHT POLE	327+72.03	87.70' LT.
CITY OF PEARLAND	LIGHT POLE	328+50.19	188.23' LT.
CITY OF PEARLAND	LIGHT POLE	328+88.78	86.52' LT.
AT&T	MARKER POST	328+89.87	59.92' LT.
AT&T	PULL BOX	328+91.38	58.66' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	329+04.74	59.55' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	329+05.01	58.29' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	329+05.90	59.70' LT.
CITY OF PEARLAND	LIGHT POLE	329+37.38	298.02' LT.
CITY OF PEARLAND	DROP INLET	329+51.59	57.53' LT.
CITY OF PEARLAND	C-INLET	329+52.65	56.87' LT.
CITY OF PEARLAND	LIGHT POLE	329+83.91	69.59' LT.
CITY OF PEARLAND	LIGHT POLE	329+87.34	152.76' LT.
CITY OF PEARLAND	FIRE HYDRANT	329+97.44	39.28' RT.
CITY OF PEARLAND	WATER VALVE	329+98.11	37.36' RT.
AT&T	COMMUNICATION LINE	330+10.41 - 331+92.62	40.80' RT. - 53.01' RT.
AT&T	PULL BOX	330+17.76	60.37' LT.
AT&T	MARKER POST	330+20.11	59.52' LT.
CENTERPOINT	POWER POLE	330+41.84	81.89' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	330+42.56 - 330+54.48	81.79' LT. - 59.68' LT.
CENTERPOINT	METER POLE	330+46.10	70.98' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	330+46.59 - 330+54.48	71.35' LT. - 59.68' LT.
CITY OF PEARLAND	WATER METER	330+46.69	58.60' LT.
CENTERPOINT	METER POLE	330+48.28	70.41' LT.
COMCAST	PULL BOX	330+51.26	59.06' LT.
CENTERPOINT	POWER POLE	330+54.48	59.68' LT.
CENTERPOINT	POWER POLE	330+54.48	59.68' LT.
CITY OF PEARLAND	SANITARY MANHOLE	330+79.50	40.28' RT.
CITY OF PEARLAND	BLOWOUT VENT	330+83.44	40.23' RT.

UTILITY NAME	TYPE	STATION	OFFSET
FRONTIER/VERIZON	MARKER POST	331+22.85	395.34' LT.
COMCAST	MARKER POST	331+23.40	388.11' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	331+84.41	38.28' RT.
AT&T	COMMUNICATION LINE	331+85.13 - 333+35.67	54.67' LT. - 58.05' LT.
AT&T	MARKER POST	331+93.40	58.19' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	331+94.02	50.27' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	331+94.32 - 332+50.97	206.02' LT. - 61.12' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	331+95.12	44.37' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	331+95.80	20.26' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	331+95.80	30.32' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	331+96.15	2.37' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	331+96.30	45.04' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	331+96.30 - 331+96.91	45.04' RT. - 50.99' LT. (CROSSING)
CENTERPOINT	OVERHEAD ELECTRICAL	331+96.30 - 333+57.64	45.04' RT. - 43.62' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	331+96.91	50.99' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	331+96.91 - 333+53.41	50.99' LT. - 44.92' LT.
TXDOT	TRAFFIC CONTROL BOX	331+97.19	48.85' LT.
FRONTIER/VERIZON	MARKER POST	331+97.49	50.42' RT.
FRONTIER/VERIZON	PULL BOX	331+97.54	51.61' RT.
FRONTIER/VERIZON	MARKER POST	331+97.66	52.88' RT.
CITY OF PEARLAND	DROP INLET	332+02.11	176.86' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	332+08.36 - 333+49.22	50.84' RT. - 51.03' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	332+25.54	50.78' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	332+27.31	89.82' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	332+28.83	45.69' RT.
CENTERPOINT	POWER POLE	332+28.85	172.45' RT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	332+34.37	169.54' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	332+36.87	51.10' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	332+40.26	87.47' LT.
CENTERPOINT	UTILITY POLE	332+41.35	86.16' LT.
FRONTIER/VERIZON	PULL BOX	332+41.52	82.92' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	332+41.75 - 346+41.08	82.68' LT. - 59.01' LT.
AT&T	COMMUNICATION LINE	332+41.87 - 333+35.67	74.52' LT. - 58.05' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	332+42.17	45.14' RT.
FRONTIER/VERIZON	MARKER POST	332+42.78	83.07' LT.
COMCAST	FIBER OPTIC LINE	332+45.26 - 346+40.97	55.69' LT. - 61.95' LT.
COMCAST	FIBER OPTIC LINE	332+47.35 - 333+21.61	63.02' LT. - 61.73' LT.
AT&T	COMMUNICATION LINE	332+48.71 - 333+35.67	60.84' LT. - 58.05' LT.
AT&T	MARKER POST	332+48.93	63.93' LT.
AT&T	MARKER POST	332+49.01	63.50' LT.
CENTERPOINT	POWER POLE	332+50.97	61.12' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	332+51.15	59.70' LT.
CITY OF PEARLAND	FIRE HYDRANT	332+51.60	221.55' RT.
CITY OF PEARLAND	WATER VALVE	332+53.83	221.37' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	332+53.94	60.35' LT.
AT&T	TELEPHONE PEDESTAL	332+55.45	62.86' LT.
CITY OF PEARLAND	WATER VALVE	332+56.92	226.31' RT.
COMCAST	PULL BOX	332+58.03	62.06' LT.
AT&T	MARKER POST	332+59.79	62.92' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	332+74.18	48.58' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	332+76.03	119.31' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	332+77.45	39.54' RT.
WAVE MEDIA	COMMUNICATION LINE	332+81.38 - 334+25.85	48.45' LT. - 46.62' LT.
COMCAST	PULL BOX	332+85.27	48.53' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	332+95.05	140.13' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	333+08.79 - 333+49.45	52.39' RT. - 51.59' RT.
CITY OF PEARLAND	WATER VALVE	333+11.99	53.06' LT.
CITY OF PEARLAND	FIRE HYDRANT	333+12.68	58.59' LT.
CITY OF PEARLAND	WATER VALVE	333+17.39	50.41' LT.
CENTERPOINT	UTILITY POLE	333+18.73	67.13' RT.
FRONTIER/VERIZON	MARKER POST	333+23.92	62.46' LT.
FRONTIER/VERIZON	MARKER POST	333+24.10	62.18' LT.
CITY OF PEARLAND	WATER VALVE	333+28.20	50.22' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	333+30.46	61.46' LT.

UTILITY NAME	TYPE	STATION	OFFSET
AT&T	COMMUNICATION LINE	333+35.67 - 333+56.71	58.05' LT. - 51.16' RT. (CROSSING)
CITY OF PEARLAND	WATER METER	333+37.99	62.04' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	333+38.82	122.14' RT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	333+40.61	127.67' RT.
AT&T	COMMUNICATION LINE	333+43.17 - 333+56.71	50.30' RT. - 51.16' RT.
FRONTIER/VERIZON	MARKER POST	333+49.50	51.32' RT.
FRONTIER/VERIZON	PULL BOX	333+49.73	50.08' RT.
FRONTIER/VERIZON	MARKER POST	333+49.90	51.36' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	333+53.41	44.92' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	333+53.41 - 333+57.64	44.92' LT. - 43.62' RT. (CROSSING)
CENTERPOINT	METER POLE	333+54.00	73.92' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	333+57.43	8.84' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	333+57.64	43.62' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	333+57.70	3.18' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	333+57.75	14.57' RT.
COMCAST	FIBER OPTIC LINE	333+61.09 - 333+65.31	62.12' LT. - 19.13' RT. (CROSSING)
FRONTIER/VERIZON	COMMUNICATION LINE	333+61.12 - 333+63.49	60.45' LT. - 65.76' RT. (CROSSING)
FRONTIER/VERIZON	COMMUNICATION LINE	333+61.38 - 333+66.99	61.13' LT. - 80.87' RT. (CROSSING)
CENTERPOINT	METER POLE	333+61.49	50.98' RT.
CENTERPOINT	POWER POLE	333+87.25	157.56' RT.
CENTERPOINT	POWER POLE	333+87.57	54.05' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	333+87.70	163.86' RT.
CENTERPOINT	POWER POLE	333+89.78	59.57' LT.
CENTERPOINT	POWER POLE	333+92.46	59.55' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	333+92.46 - 334+10.66	(CROSSING)
FRONTIER/VERIZON	MARKER POST	333+93.53	173.23' RT.
CENTERPOINT	POWER POLE	334+10.66	221.33' RT.
CENTERPOINT	POWER POLE	335+27.88	59.62' LT.
COMCAST	TELEPHONE PEDESTAL	335+29.69	58.46' LT.
COMCAST	PULL BOX	335+30.52	60.49' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	335+33.33	58.70' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	335+33.37	60.71' LT.
COMCAST	TELEPHONE PEDESTAL (MISSING COVER)	335+33.45	59.71' LT.
CITY OF PEARLAND	WATER VALVE	335+37.31	56.61' LT.
CITY OF PEARLAND	FIRE HYDRANT	335+37.59	58.77' LT.
CITY OF PEARLAND	WATER METER	335+92.25	60.77' LT.
CENTERPOINT	POWER POLE	336+71.81	58.90' LT.
CITY OF PEARLAND	WATER METER	337+38.53	59.66' LT.
CENTERPOINT	UTILITY POLE	337+44.18	62.73' LT.
CITY OF PEARLAND	WATER VALVE	337+96.15	54.43' LT.
CITY OF PEARLAND	FIRE HYDRANT	337+96.73	57.07' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	338+08.29	60.43' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL (MISSING COVER)	338+08.41	59.70' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL (MISSING COVER)	338+09.83	59.44' LT.
CENTERPOINT	POWER POLE	338+13.73	74.85' LT.
CENTERPOINT	POWER POLE	338+14.01	59.04' LT.
COMCAST	PULL BOX	338+17.56	59.65' LT.
COMCAST	TELEPHONE PEDESTAL	338+20.15	59.98' LT.
AT&T	MARKER POST	338+21.81	59.82' LT.
COMCAST	TELEPHONE PEDESTAL	340+15.67	59.49' LT.



LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive
Suite 175
Houston, Texas 77042
Phone 713.953.5200
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T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	6

PROJECT NO. LJAS001-2694-1901

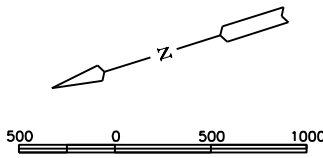
1.4wPrqSHeM*SHRVEV9689#94#0105B6MTYAU5#5T RE5DJHNE5 RE5UBMHTYEP 1!!!8!9#M%2521:1NB6X<5H%5.dgn
11/20/2018

UTILITIES ALONG F.M. 521

UTILITY NAME	TYPE	STATION	OFFSET
COMCAST	FIBER OPTIC LINE	340+16.27 - 343+53.80	59.62' LT. - 59.19' LT.
CENTERPOINT	POWER POLE	340+21.19	59.35' LT.
CITY OF PEARLAND	WATER VALVE	340+64.89	54.48' LT.
CITY OF PEARLAND	FIRE HYDRANT	340+65.73	58.27' LT.
TXDOT	TRAFFIC CONTROL BOX	341+35.46	42.28' LT.
CENTERPOINT	POWER POLE	342+30.35	60.40' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	343+05.37	59.32' LT.
CITY OF PEARLAND	WATER VALVE	343+16.48	50.15' LT.
CITY OF PEARLAND	FIRE HYDRANT	343+17.72	60.80' LT.
COMCAST	TELEPHONE PEDESTAL	343+53.80	59.18' LT.
CITY OF PEARLAND	WATER METER	344+06.54	61.82' LT.
CENTERPOINT	POWER POLE	344+31.12	59.03' LT.
AT&T	COMMUNICATION LINE	345+80.60 - 360+83.69	42.69' RT. - 41.81' RT.
AT&T	MARKER POST	345+81.91	60.78' LT.
FRONTIER/VERIZON	PULL BOX	345+85.80	46.48' LT.
FRONTIER/VERIZON	MARKER POST	345+85.91	47.85' LT.
CITY OF PEARLAND	FIRE HYDRANT	345+88.89	60.12' LT.
CITY OF PEARLAND	WATER VALVE	345+91.15	49.14' LT.
COMCAST	FIBER OPTIC LINE	345+97.71 - 360+53.23	67.35' LT. - 69.32' LT.
COMCAST	FIBER OPTIC LINE	345+99.27 - 346+40.98	152.75' LT. - 61.95' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	346+01.66 - 361+98.68	58.46' LT. - 56.85' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	346+01.70 - 361+98.68	57.89' LT. - 56.85' LT.
CENTERPOINT	UTILITY POLE	346+21.15	105.21' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	346+21.15 - 346+38.28	105.21' LT. - 59.50' LT.
CENTERPOINT	POWER POLE	346+29.73	81.00' LT.
AT&T	MARKER POST	346+35.72	59.35' LT.
CENTERPOINT	POWER POLE	346+38.28	59.50' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	346+41.08	59.01' LT.
COMCAST	PULL BOX	346+45.20	61.05' LT.
COMCAST	TELEPHONE PEDESTAL	346+47.52	60.35' LT.
COMCAST	TELEPHONE PEDESTAL	346+50.39	59.05' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	347+37.91	59.83' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	347+41.98	60.00' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL (NO COVER)	348+09.51	58.99' LT.
CENTERPOINT	POWER POLE (BROKEN)	348+53.96	58.94' LT.
CENTERPOINT	POWER POLE	348+60.02	58.24' LT.
CITY OF PEARLAND	WATER VALVE	348+91.04	47.58' LT.
CITY OF PEARLAND	FIRE HYDRANT	348+91.29	61.61' LT.
CENTERPOINT	UTILITY POLE	349.44.77	61.05' LT.
CITY OF PEARLAND	LIGHT POLE	349+46.55	63.65' LT.
CENTERPOINT	POWER POLE	350+69.64	59.21' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	351+36.42	59.88' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	351+50.43	59.31' LT.
CITY OF PEARLAND	WATER VALVE	351+76.62	45.04' LT.
CITY OF PEARLAND	FIRE HYDRANT	351+77.80	59.65' LT.
CENTERPOINT	POWER POLE	352+85.93	61.94' LT
ICTX	PULL BOX	353+85.45	40.45' LT.
CENTERPOINT	POWER POLE	354+01.72	59.07' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	354+52.71 - 354+98.06	111.06' LT. - 62.50' LT.
CITY OF PEARLAND	WATER VALVE	354+72.82	47.01' LT.
CITY OF PEARLAND	FIRE HYDRANT	354+72.95	56.99' LT.
FRONTIER/VERIZON	PULL BOX	354+93.75	47.82' LT.
FRONTIER/VERIZON	MARKER POST	354+93.91	49.16' LT.
CENTERPOINT	POWER POLE	354+98.06	62.50' LT.
CENTERPOINT	POWER POLE	354+99.36	58.83' LT.
CENTERPOINT	POWER POLE	356+94.98	63.56' LT.
CENTERPOINT	POWER POLE	356+95.11	59.57' LT.
AT&T	PULL BOX	357+00.17	62.48' LT.
CITY OF PEARLAND	BLOWOUT VENT	357+28.54	62.23' LT.
CITY OF PEARLAND	WATER VALVE	357+66.32	43.25' LT.
CITY OF PEARLAND	FIRE HYDRANT	357+67.39	62.84' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	358+16.85 - 385+23.28	60.17' LT. - 111.11' LT.
COMCAST	UTILITY MANHOLE	358+34.32	68.91' LT.
CENTERPOINT	POWER POLE	358+79.96	60.19' LT.
AT&T	MARKER POST	359+98.07	61.40' LT.
FRONTIER/VERIZON	MARKER POST	359+99.37	48.77' LT.
FRONTIER/VERIZON	MARKER POST	359+99.86	48.63' LT.
FRONTIER/VERIZON	PULL BOX	359+99.86	47.52' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	360+00.91	60.59' LT.
CENTERPOINT	UTILITY POLE	360+11.83	206.89' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	360+11.83 - 361+03.33	(CROSSING)
CENTERPOINT	UTILITY POLE	360+50.00	107.45' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	360+50.60 - 363+00.94	152.51' RT - 146.80' RT.
CITY OF PEARLAND	WATER VALVE	360+58.41	63.82' LT.
AT&T	MARKER POST	360+61.37	59.96' LT.
CITY OF PEARLAND	FIRE HYDRANT	360+61.62	64.37' LT.
AT&T	MARKER POST	360+61.91	59.80' LT.
CITY OF PEARLAND	WATER VALVE	360+62.79	44.51' LT.
CENTERPOINT	POWER POLE	360+64.64	59.64' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	360+68.54	59.28' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	360+70.34	60.59' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	360+70.54	59.52' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	361+98.68 - 386+24.06	56.85' LT. - 58.41' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	361+98.68 - 391+34.04	56.85' LT. - 58.43' LT.
CENTERPOINT	POWER POLE	362+04.82	59.62' LT.
COMCAST	TELEPHONE PEDESTAL	362+07.25	57.99' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	362+09.80	57.55' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	362+11.70	58.93' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	363+00.94 - 363+02.79	(CROSSING)
CENTERPOINT	POWER POLE	363+02.02	51.51' RT.
CENTERPOINT	POWER POLE	363+02.79	60.76' LT.
CITY OF PEARLAND	WATER VALVE	363+39.57	42.89' LT.
CITY OF PEARLAND	FIRE HYDRANT	363+40.95	57.39' LT.
CENTERPOINT	POWER POLE	364+43.40	59.01' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CITY OF PEARLAND	WATER METER	366+20.13	43.30' LT.
CITY OF PEARLAND	FIRE HYDRANT	366+20.88	57.05' LT.
CENTERPOINT	POWER POLE	366+62.38	58.79' LT.
FRONTIER/VERIZON	MARKER POST	367+29.50	64.77' LT.
CENTERPOINT	POWER POLE	367+82.89	59.11' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	368+60.64 - 368+90.30	142.62' LT. - 59.60' LT.
FRONTIER/VERIZON	MARKER POST	368+62.25	57.06' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	368+76.12 - 368+94.30	84.92' LT. - 59.60' LT.
COMCAST	TELEPHONE PEDESTAL	368+84.83	56.99' LT.
COMCAST	TELEPHONE PEDESTAL	368+88.06	57.74' LT.
CENTERPOINT	POWER POLE	368+94.30	59.60' LT.
CITY OF PEARLAND	WATER VALVE	369+04.73	42.84' LT.
CITY OF PEARLAND	FIRE HYDRANT	369+05.78	58.12' LT.
CENTERPOINT	METER POLE	369+46.43	59.00' LT.
ICTX	PULL BOX	369+65.24	41.33' LT.
ICTX	PULL BOX	369+65.38	41.14' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	370+31.64	57.47' LT.
CITY OF PEARLAND	DROP-INLET	370+58.35	53.55' LT.
CITY OF PEARLAND	DROP INLET	370+58.46	53.50' LT.
CITY OF PEARLAND	DROP INLET	370+58.85	51.18' LT.
CENTERPOINT	UTILITY POLE	371+31.84	104.07' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	371+31.84 - 371+49.65	104.07' LT. 59.72' LT.
CITY OF PEARLAND	WATER METER	371+38.85	59.20' LT.
COMCAST	TELEPHONE PEDESTAL	371+42.86	58.60' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	371+45.53	58.46' LT.
CENTERPOINT	POWER POLE	371+49.65	59.72' LT.
CITY OF PEARLAND	WATER VALVE	371+84.37	43.71' LT.
CITY OF PEARLAND	FIRE HYDRANT	371+84.98	57.52 LT.
CENTERPOINT	POWER POLE	373+15.13	59.25' LT.
AT&T	COMMUNICATION LINE	374+15.24 - 385+76.98	38.94' LT. - 48.17' LT.
TXDOT	TRAFFIC CONTROL BOX	374+51.33	35.35' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	374+58.35	36.64' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	374+58.47	36.48' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	374+58.47 - 375+11.26	36.48' RT. - 35.17' RT.
CENTERPOINT	UTILITY POLE	374+64.93	95.63' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	374+64.93 - 375+68.68	(CROSSING)
COMCAST	FIBER OPTIC LINE	374+64.97 - 395+87.25	67.47' LT. - 60.20' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	374+73.32	36.08' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	374+78.32	63.11' LT.
CENTERPOINT	POWER POLE	374+79.54	59.51' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	374+82.75	60.18' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	374+87.46	35.65' RT.
AT&T	MARKER POST	374+87.73	60.22' LT.
COMCAST	PULL BOX	374+87.82	58.70' LT.
CENTERPOINT	METER POLE	374+94.55	58.27' LT.
TXDOT	TRAFFIC CONTROL BOX	375+00.09	57.23' LT.
TXDOT	POWER BOX	375+05.93	57.89' LT.
TXDOT	TRAFFIC CONTROL BOX	375+10.99	40.30' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+11.26	35.17' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+11.26	35.39' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	375+11.26 - 375+15.49	35.17' RT. - 45.20' LT. (CROSSING)
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+13.25	1.47' LT.
CENTERPOINT	METER POLE	375+13.26	132.27' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+13.77	9.26' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+14.58	14.99' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+15.35	25.41' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+15.49	45.20' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	375+15.49 - 375+76.53	45.20' LT. - 45.57' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+15.86	45.02' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	375+23.72	89.07' RT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	375+35.07	153.34' RT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	375+36.53	163.27' RT.
CENTERPOINT	POWER POLE	375+37.94	156.34' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+42.07	45.17' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	375+53.71	45.54' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	375+68.13	119.29' RT. RT.
CITY OF PEARLAND	WATER METER	375+70.13	36.54' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+76.46	45.49' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	375+76.53	45.57' LT.
FRONTIER/VERIZON	PULL BOX	375+82.95	33.69' RT.
TXDOT	TRAFFIC CONTROL BOX	375+83.60	46.66' LT.
FRONTIER/VERIZON	MARKER POST	376+78.85	42.19' RT.
FRONTIER/VERIZON	MARKER POST	376+78.95	46.30' RT.
FRONTIER/VERIZON	PULL BOX	376+78.97	44.17' RT.
CENTERPOINT	POWER POLE	376+79.58	57.42' LT.
CITY OF PEARLAND	WATER METER	377+28.75	45.32' LT.
CITY OF PEARLAND	FIRE HYDRANT	377+29.97	56.43' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	378+75.94	58.97' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	378+76.10	58.06' LT.
CENTERPOINT	POWER POLE	378+79.64	57.74' LT.
COMCAST	TELEPHONE PEDESTAL	378+82.60	57.31' LT.
GEN. TELE. ELEC. CO.	POWER PEDESTAL	378+90.30	59.73' LT.
CITY OF PEARLAND	WATER VALVE	380+06.45	45.35' LT.
CITY OF PEARLAND	FIRE HYDRANT	380+07.62	56.69' LT.
FRONTIER/VERIZON	TELECOMMUNICATIONS PEDESTAL	380+11.81	61.76' LT.
CENTERPOINT	POWER POLE	380+59.85	58.41' LT.
COMCAST	TELEPHONE PEDESTAL (STRIPPED)	381+40.85	58.27' LT.
CENTERPOINT	UTILITY POLE	381+45.59	67.17' LT.
CENTERPOINT	POWER POLE	382+42.95	59.07' LT.
CITY OF PEARLAND	FIRE HYDRANT	382+55.74	56.99' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	383+45.43	59.00' LT.
CENTERPOINT	POWER POLE	384+28.85	58.69' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	384+28.85 - 384+45.09	58.69' LT. - 97.75' LT.
CITY OF PEARLAND	DROP INLET	384+84.20	54.45' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CENTERPOINT	POWER POLE	385+16.85	60.17' LT.
CITY OF PEARLAND	WATER VALVE	385+17.61	45.62' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	385+17.80	58.33' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	385+18.84	58.64' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	385+21.42	57.13' LT.
CITY OF PEARLAND	FIRE HYDRANT	385+22.21	68.43' LT.
AT&T	TELEPHONE PEDESTAL	385+22.23	58.12' LT.
AT&T	MARKER POST	385+24.61	59.40' LT.
WAVE MEDIA	COMMUNICATION LINE	385+66.20 - 424+88.29	43.95' LT. - 41.36' LT.
AT&T	COMMUNICATION LINE	385+76.98 - 385+81.88	48.17' LT. - 76.59' LT.
AT&T	COMMUNICATION LINE	385+79.66 - 390+08.97	64.78' LT. - 60.55' LT.
AT&T	MARKER POST	385+79.90	63.30' LT.
AT&T	PULL BOX	385+82.26	64.50' LT.
CENTERPOINT	POWER POLE	385+87.78	58.14' LT.
CENTERPOINT	UTILITY POLE	385+90.31	75.25' LT.
AT&T	COMMUNICATION LINE	386+79.78 - 391+34.07	58.65' LT. - 59.30' LT.
CENTERPOINT	POWER POLE	386+95.81	58.92' LT.
CITY OF PEARLAND	FIRE HYDRANT	387+48.86	57.25' LT.
WAVE MEDIA	COMMUNICATION LINE	388+53.54 - 391+78.07	42.33' LT. - 41.69' LT.
PHONOSCOPE	UNKNOWN	388+54.60 - 389+78.46	55.02' LT. - 56.45' LT.
CENTERPOINT	POWER POLE	388+64.61	59.70' LT.
INDUSTRIAL GAS SUPPLY	MARKER POST	388+70.69	52.60' RT.
CENERTPOINT ENERGY	PIPELINE CATHODIC PROTECTION TEST LEAD	388+70.71	52.61' RT.
CENTERPOINT ENERGY	GAS VALVE	388+74.41	46.02' RT.
CENTERPOINT ENERGY	PIPELINE	388+75.21 - 388+76.44	20.72' RT. - 94.66' LT. (CROSSING)
CENERTPOINT ENERGY	PIPELINE VENT	388+75.97	60.80' LT.
CENERTPOINT ENERGY	PIPELINE CATHODIC PROTECTION TEST LEAD	388+79.93	47.51' RT.
CITY OF PEARLAND	WATER METER	389+30.78	64.05' LT.
CITY OF PEARLAND	WATER METER	389+30.79	64.04' LT.
CITY OF PEARLAND	BLOWOUT VENT	389+43.43	72.52' LT.
WATER DEPARTMENT	MANHOLE	389+47.90	39.52' LT.
ICTX	PULL BOX	389+91.30	40.71' LT.
CITY OF PEARLAND	FIRE HYDRANT	390+14.10	57.99' LT.
CENTERPOINT	POWER POLE	390+48.69	96.57' LT.
CENTERPOINT	POWER POLE	390+50.25	58.67' LT.
AT&T	COMMUNICATION LINE	391+66.22 - 395+78.97	59.17' LT. - 59.67' LT.
COMCAST	PULL BOX	392+24.12	60.12' LT.
COMCAST	TELEPHONE PEDESTAL	392+27.22	57.80' LT.
CENTERPOINT	POWER POLE	392+29.08	58.64' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	392+29.08 - 392+67.09	58.64' LT. - 95.42' LT.
COMCAST	TELEPHONE PEDESTAL	392+31.60	59.01' LT.
CITY OF PEARLAND	FIRE HYDRANT	392+55.50	56.80' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	392+61.26	57.70' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	392+61.30	56.86' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	393+06.93	58.55' LT.
CITY OF PEARLAND	WATER METER	393+12.31	61.87' LT.
FRONTIER/VERIZON	MARKER POST	393+39.39	58.48' LT.
PS-LIGHTWAVE	UNKNOWN	393+88.58 - 393+90.66	77.82' LT. - 58.51' LT.
PS-LIGHTWAVE	UNKNOWN	393+89.12 - 394+46.00	62.41' LT. - 60.63' LT.
PS-LIGHTWAVE	PULL BOX	393+89.24	59.90' LT.
PS-LIGHTWAVE	MANHOLE (UNKNOWN)	394+12.33	55.26' LT.
CENTERPOINT	POWER POLE	394+45.46	59.33' LT.
FRONTIER/VERIZON	MARKER POST	394+58.79	30.27' RT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	394+93.29	87.94 RT.
CITY OF PEARLAND	FIRE HYDRANT	394+96.79	57.91' LT.
AT&T	TELECOMMUNICATIONS PEDESTAL	395+45.08	156.83' RT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	395+54.81	43.47' RT.
AT&T	PULL BOX	395+55.50	30.51' RT.
FRONTIER/VERIZON	MARKER POST	395+57.30	31.15' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	395+62.03 - 423+80.07	55.60' LT. - 57.76' LT.
CENTERPOINT	POWER POLE	395+83.27	61.21' LT.
TXDOT	TRAFFIC CONTROL BOX	395+97.81	18.80' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	396+01.50	27.96' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	396+01.56	18.87' RT.



LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

UTILITY NAME	TYPE	STATION	OFFSET
TXDOT	TRAFFIC SIGNAL LIGHT POLE	396+01.64	18.60' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	396+01.64 - 396+01.86	18.60' RT. - 45.63' LT. (CROSSING)
CENTERPOINT	OVERHEAD ELECTRICAL	396+01.64 - 397+20.45	18.60' RT. - 18.07' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	396+01.68	45.73' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	396+01.86	45.63' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	396+01.87	16.00' LT.
TXDOT	TRAFFIC CONTROL BOX	396+05.62	46.20' LT.
COMCAST	CABLE PEDESTAL	396+07.25	59.33' LT.
CENTERPOINT	POWER POLE	396+09.82	60.46' LT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	396+35.72	18.38' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	396+56.74	18.35' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	397+17.29 - 399+29.43	(CROSSING)
TXDOT	SIGNAL POLE TRAFFIC LIGHT	397+19.95	1.96' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	397+19.99	18.38' RT.
TXDOT	SIGNAL POLE TRAFFIC LIGHT	397+20.15	12.53' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	397+20.45	18.07' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	397+20.45 - 397+21.21	18.07' RT. - 43.91' LT. (CROSSING)
TXDOT	TRAFFIC SIGNAL LIGHT POLE	397+20.94	43.82' LT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	397+21.21	43.91' LT.
TXDOT	TRAFFIC CONTROL BOX	397+23.88	45.94' LT.
TXDOT	TRAFFIC CONTROL BOX	397+24.04	18.47' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	397+56.26 - 424+27.95	38.03' LT. - 58.21' LT.
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	397+87.63	-60.09'
COMCAST	PULL BOX	397+90.64	-63.50'
CENTERPOINT	POWER POLE	397+92.43	-60.09'
CITY OF PEARLAND	FIRE HYDRANT	398+16.75	-57.33'
CENTERPOINT	POWER POLE	398+54.23	65.57' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	399+26.43 - 399+33.04	79.54' LT. - 59.82' LT.
COMCAST	TELEPHONE PEDESTAL	399+28.83	58.91' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	399+31.41	60.56' LT.
CENTERPOINT	POWER POLE	399+33.04	59.82' LT.
CITY OF PEARLAND	WATER VALVE	400+85.96	62.16' LT.
CITY OF PEARLAND	WATER METER	400+85.98	60.76' LT.
CENTERPOINT	POWER POLE	400+91.13	59.25' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	400+91.13 - 400+98.72	59.25' LT. - 103.82' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	400+91.13 - 401+03.18	59.25' LT. - 101.85' LT.
CITY OF PEARLAND	FIRE HYDRANT	401+00.80	57.19' LT.
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	402+32.55	59.42' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	402+77.99	60.18' LT.
COMCAST	TELEPHONE PEDESTAL	402+81.30	59.94' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	402+86.82 - 402+96.41	70.71' LT. - 59.07' LT.
CENTERPOINT	POWER POLE	402+96.41	59.07' LT.
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	402+98.96	57.18' LT.
CENTERPOINT	POWER POLE	403+93.34	60.04' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	403+93.34 - 403+85.74	60.04' LT. - 107.95' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	403+93.63	58.34' LT.
CITY OF PEARLAND	FIRE HYDRANT	403+96.99	57.50' LT.
CENTERPOINT	UTILITY POLE	404+81.44	101.49' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	404+81.44 - 404+96.37	101.49' LT. - 58.90' LT.
COMCAST	TELEPHONE PEDESTAL	404+86.04	58.42' LT.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive
Suite 175
Houston, Texas 77042
Phone 713.953.5200
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T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	7

PROJECT NO. LJAS001-2694-1901

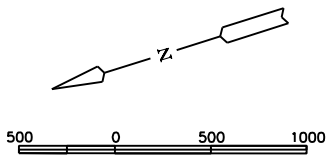
1uPPrqsIqkWSuRVEVe9B9HHH9U9SBBMTYaLy5HST RE5DzHNE5 rE5UBMHTYED 1118H9HH9521:1NBE6X<5H%7.dgP

UTILITIES ALONG F.M. 521

UTILITY NAME	TYPE	STATION	OFFSET
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	404+88.06	58.19' LT.
CENTERPOINT	POWER POLE	404+96.37	58.90' LT.
COMCAST	TELEPHONE PEDESTAL	405+56.65	58.55' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	405+58.45	59.23' LT.
COMCAST	FIBER OPTIC LINE	405+67.01 - 406+75.97	59.05' LT. - 62.55' LT.
AT&T	COMMUNICATION LINE	405+67.10 - 406+78.98	55.35' LT. - 56.51' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	405+67.12 - 406+77.60	57.24' LT. - 59.66' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	405+67.13 - 406+78.22	56.31' LT. - 58.46' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	405+86.43	64.58' RT.
CENTERPOINT	UTILITY POLE	406+60.46	143.57' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	406+60.46 - 406+92.92	143.57' LT. - 60.56' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	406+66.35 - 406+94.46	106.17' LT. - 59.07' LT.
CENTERPOINT	UTILITY POLE	406+70.00	116.44' LT.
CENTERPOINT	UTILITY POLE	406+73.98	106.33' LT.
CENTERPOINT	UTILITY POLE	406+84.19	80.60' LT.
CITY OF PEARLAND	FIRE HYDRANT	406+86.47	67.52' LT.
CENTERPOINT	POWER POLE	406+92.92	60.56' LT.
CENTERPOINT	POWER POLE	406+92.92	60.56' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	406+94.46	59.07' LT.
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	406+96.94	58.73' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	407+01.22	59.09' LT.
CITY OF PEARLAND	CLEAN OUT VALVE	407+74.80	62.93' LT.
CITY OF PEARLAND	WATER METER	407+75.40	60.15' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL/WITH NITROGEN TANK	408+45.81	59.36' LT.
CITY OF PEARLAND	FIRE HYDRANT	408+87.89	57.15' LT.
CENTERPOINT	POWER POLE	409+05.74	59.05' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	410+45.25	58.31' LT.
COMCAST	MARKER POST (CATV)	410+46.80	60.91' LT.
COMCAST	PULL BOX	410+47.14	59.43' LT.
CITY OF PEARLAND	WATER METER	410+58.07	59.05' LT.
CITY OF PEARLAND	CLEAN OUT VALVE	410+58.10	60.96' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	411+01.75 - 411+19.04	106.66' LT. - 58.53' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	411+15.64	59.02' LT.
CENTERPOINT	POWER POLE	411+19.04	58.53' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	411+23.09	59.23' LT.
CITY OF PEARLAND	FIRE HYDRANT	411+89.69	57.37' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	411+91.96	57.93' LT.
FRONTIER/VERIZON	MARKER POST	411+93.05	58.65' LT.
FRONTIER/VERIZON	MARKER POST	411+94.31	58.77' LT.
CITY OF PEARLAND	PIPELINE VENT	412+29.07	57.26' LT.
CENTERPOINT	POWER POLE	412+74.85	58.28' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	413+23.09	59.23' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	413+28.43	59.32' LT.
MONUMENT	PIPELINE	413+40.65 - 413+42.00	84.30' LT. - 71.69' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	414+72.02 - 414+86.18	99.89' LT. - 59.71' LT.
CENTERPOINT	POWER POLE	414+86.18	59.71' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	414+88.21	60.93' LT.
CITY OF PEARLAND	FIRE HYDRANT	414+90.30	58.64' LT.
CITY OF PEARLAND	DROP INLET	415+61.76	54.41' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	416+16.36 - 416+20.05	86.86' LT. - 59.16' LT.
CENTERPOINT	POWER POLE	416+20.05	59.16' LT.
CITY OF PEARLAND	DROP INLET	416+26.62	53.83' LT.
CITY OF PEARLAND	FIRE HYDRANT	417+08.86	59.36' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	417+11.89	60.34' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	417+11.89	60.34' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	417+17.11	59.34' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	417+21.61	58.80' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	417+21.61	58.80' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	417+37.25	123.45 RT.
CENTERPOINT	OVERHEAD ELECTRICAL	417+98.61 - 418+05.77	81.48' LT. - 58.86' LT.
CENTERPOINT	POWER POLE	418+05.77	58.86' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	418+42.64 - 418+63.26	91.90' LT. - 59.00' LT.
CENTERPOINT	POWER POLE	418+63.26	59.00' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	418+63.26 - 418+73.96	59.00' LT. - 101.70' LT.
COMCAST	TELEPHONE PEDESTAL	418+66.40	59.50' LT.
CITY OF PEARLAND	WATER METER	418+86.44	58.95' LT.
CITY OF PEARLAND	WATER VALVE	418+95.59	40.28' LT.
CITY OF PEARLAND	FIRE HYDRANT	419+35.04	61.87' LT.
CITY OF PEARLAND	WATER VALVE	419+38.16	40.96' LT.
FRONTIER/VERIZON	PULL BOX	419+42.96	58.60' LT.
COMCAST	PULL BOX	419+43.40	60.87' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	419+46.71 - 421+07.92	57.72' LT. - 57.36' LT.
COMCAST	FIBER OPTIC LINE	419+46.82 - 424+69.10	61.33' LT. - 64.32' LT.
CENTERPOINT	POWER POLE	419+60.65	59.58' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	419+74.69 - 423+86.72	56.39' LT. - 59.11' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	419+75.23	44.80' RT.
COMCAST	CABLE PEDESTAL	419+76.39	62.31' LT.
CENTERPOINT	POWER POLE	419+91.23	73.13' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	419+91.23 - 420+42.09	73.13' RT. - 73.00' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	419+94.85 - 419+99.10	76.32' RT. - 143.73' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	419+94.85 - 423+94.61	76.32' RT. - 50.89' RT.
WAVE MEDIA	COMMUNICATION LINE	419+96.62 - 421+08.20	44.92' LT. - 41.82' LT.
WAVE MEDIA	TELEPHONE PEDESTAL	420+08.58	211.48' RT.
CITY OF PEARLAND	FIRE HYDRANT	420+29.33	224.88' RT.
CITY OF PEARLAND	WATER VALVE	420+33.06	223.41' RT.
CITY OF PEARLAND	WATER VALVE	420+35.59	219.30' RT.
CENTERPOINT	POWER POLE	420+42.09	73.00' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	420+42.09 - 421+04.39	73.00' RT. - 57.30' RT. (CROSSING)
CITY OF PEARLAND	SANITARY MANHOLE	420+44.08	47.08' LT.
CITY OF PEARLAND	SANITARY MANHOLE	420+44.13	47.17' LT.
CENTERPOINT	POWER POLE	420+46.37	266.07' RT.
CENTERPOINT	UTILITY POLE	420+72.95	107.50' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	420+72.95 - 421+04.39	107.50' LT. - 57.30' LT.
CENTERPOINT	UTILITY POLE	420+79.11	77.80' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CENTERPOINT	OVERHEAD ELECTRICAL	420+79.11 - 421+04.39	77.79' LT. - 57.30' LT.
CITY OF PEARLAND	WATER METER	420+83.95	58.09' LT.
CITY OF PEARLAND	CLEAN OUT VALVE	420+84.20	59.60' LT.
CITY OF PEARLAND	WATER METER	420+84.31	60.71' LT.
CENTERPOINT	UTILITY POLE	420+91.05	118.78 LT.
CENTERPOINT	OVERHEAD ELECTRICAL	420+91.05 - 421+04.39	118.78' LT. - 57.30' LT.
WAVEMEDIA	PULL BOX	420+96.49	40.95' LT.
CENTERPOINT	POWER POLE	421+04.92	58.01' LT.
CENTERPOINT	POWER POLE	421+04.92	58.01' LT.
CITY OF PEARLAND	FIRE HYDRANT	422+28.98	55.88' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	422+43.55	50.54' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	422+62.71	51.04' RT.
CENTERPOINT	POWER POLE	422+89.62	58.30' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	422+89.62 - 423+09.79	58.30' LT. - 87.21' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	423+64.65 - 423+90.85	52.30' LT. - 37.35' LT.
CITY OF PEARLAND	SANITARY MANHOLE	423+70.38	68.52' LT.
CITY OF PEARLAND	WATER METER	423+74.40	68.88' LT.
CITY OF PEARLAND	PIPELINE VENT	423+77.42	61.25' LT.
FRONTIER/VERIZON	PULL BOX	423+79.46	70.66' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	423+79.68 - 424+66.35	58.82' LT. - 59.68' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	423+80.15 - 424+66.16	60.16' LT. - 60.25' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	423+86.18	53.79' RT.
FRONTIER/VERIZON	PULL BOX	423+89.74	59.86' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	423+90.85 - 423+94.61	50.89' RT. - 37.35' LT. (CROSSING)
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	423+93.36	58.44' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	423+96.07	58.84' LT.
CITY OF PEARLAND	WATER VALVE	424+07.22	67.56' LT.
CITY OF PEARLAND	DROP INLET	424+07.88	84.40' LT.
CITY OF PEARLAND	SANITARY MANHOLE	424+21.72	46.15' LT.
CITY OF PEARLAND	SANITARY MANHOLE	424+21.72	46.16' LT.
CITY OF PEARLAND	DROP INLET	424+44.71	115.16' LT.
COMCAST	FIBER OPTIC LINE	424+47.33 - 424+77.83	127.41' LT. - 59.59' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	424+58.11 - 424+75.24	89.52' LT. - 59.27' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+59.17 - 424+67.86	89.26' LT. - 57.85' LT.
COMCAST	FIBER OPTIC LINE	424+65.42 - 424+81.03	103.80' LT. - 50.54' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+67.86 - 424+89.07	57.85' LT. - 54.60' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE MANHOLE	424+67.87	48.02' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+69.69 - 424+95.73	61.27' LT. - 62.02' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+69.69 - 424+95.73	61.27' LT. - 62.02' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	424+71.01	58.37' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+71.01 - 424+75.60	58.37' LT. - 40.38' LT.
FRONTIER/VERIZON	PULL BOX	424+74.35	44.77' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	424+74.76 - 431+73.48	55.09' RT. - 62.81' RT.
COMCAST	TELEPHONE PEDESTAL	424+76.16	62.79' LT.
COMCAST	FIBER OPTIC LINE	424+77.83 - 441+63.57	59.59' LT. - 47.32' LT.
GENERAL TELEPHONE ELEC. CO.	TELEPHONE PEDESTAL	424+79.43	54.64' RT.
COMCAST	FIBER OPTIC LINE	424+81.03 - 424+95.53	50.54' LT. - 51.49' LT.
COMCAST	TELEPHONE PEDESTAL (NO FRONT COVER)	424+85.62	54.82' RT.
CITY OF PEARLAND	FIRE HYDRANT	425+31.68	55.68' LT.
CITY OF PEARLAND	WATER VALVE	425+34.34	55.76' LT.
COMCAST	W/METER	426+24.63	60.75' LT.
COMCAST	TELEPHONE PEDESTAL	426+25.84	58.02' LT.
CENTERPOINT	POWER POLE	426+27.70	59.12' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	426+27.70 - 426+32.72	59.12' LT. - 97.33' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	426+27.70 - 426+37.63	59.12' LT. - 60.07' LT.
CITY OF PEARLAND	CLEAN OUT	426+75.87	60.44' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	427+49.02 - 427+77.44	89.55' LT. - 59.10' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	427+56.64 - 427+77.44	117.36' LT. - 59.10' LT.
FRONTIER/VERIZON	MARKER POST	427+77.19	64.35' RT.
CENTERPOINT	POWER POLE	427+77.44	59.10' LT.
CITY OF PEARLAND	FIRE HYDRANT	428+28.94	55.68' LT.
CITY OF PEARLAND	WATER VALVE	428+30.94	55.94' LT.
CITY OF PEARLAND	CLEAN OUT	428+58.50	58.23' LT.
CITY OF PEARLAND	SANITARY MANHOLE	428+60.50	45.91' LT.
CITY OF PEARLAND	SANITARY MANHOLE	428+60.54	45.88' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	428+92.73 - 428+79.46	61.09' LT. - 184.78' LT.
CENTERPOINT	POWER POLE	429+97.28	60.48' LT.
FRONTIER/VERIZON	MARKER POST	430+58.44	61.61' RT.
FRONTIER/VERIZON	COMMUNICATION LINE	431+01.13 - 437+39.99	38.99' RT. - 64.26' RT.
CITY OF PEARLAND	FIRE HYDRANT	431+28.08	58.50' LT.
CITY OF PEARLAND	WATER VALVE	431+30.45	58.53' LT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	431+59.47	61.51' RT.
COMCAST	PULL BOX	431+73.73	54.84' LT.
FRONTIER/VERIZON	MARKER POST	431+73.74	61.14' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	431+91.51 - 432+07.32	108.82' LT. - 58.62' LT.
CENTERPOINT	POWER POLE	432+07.32	58.62' LT.
COMCAST	TELEPHONE PEDESTAL	432+13.96	59.63' LT.
GENERAL TELEPHONE ELEC. CO.	PULL BOX	433+14.03	53.26' LT.
CENTERPOINT	POWER POLE	433+79.71	85.89' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	433+79.71 - 433+95.98	85.89' LT. - 57.88' LT.
COMCAST	PULL BOX	433+91.41	58.24' LT.
CENTERPOINT	POWER POLE	433+95.98	57.88' LT.
CITY OF PEARLAND	WATER VALVE	434+33.17	60.48' LT.
CITY OF PEARLAND	FIRE HYDRANT	434+33.32	57.79' LT.
CENTERPOINT	POWER POLE	434+36.39	47.89' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	434+36.39 - 441+14.34	47.89' RT. - 61.66' RT.
CENTERPOINT	POWER POLE	434+38.84	57.40' LT.
FRONTIER/VERIZON	MARKER POST	434+44.51	46.46' RT.
FRONTIER/VERIZON	PULL BOX	434+45.01	44.30' RT.
CITY OF PEARLAND	BLOW-OFF VALVE (CAGED)	434+92.34	66.76' LT.
CITY OF PEARLAND	WATER METER	434+93.17	63.93' LT.
CITY OF PEARLAND	WATER METER	434+95.36	64.21' LT.
GENERAL TELEPHONE ELEC. CO.	MARKER POST	435+31.41	58.90' LT.
CENTERPOINT	POWER POLE	435+49.59	57.94' LT.

UTILITY NAME	TYPE	STATION	OFFSET
CENTERPOINT	OVERHEAD ELECTRICAL	435+49.59 - 435+50.07	57.94' LT. - 49.92' RT. (CROSSING)
CENTERPOINT	POWER POLE	435+50.07	49.92' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	436+37.02	64.56' RT.
CENTERPOINT	POWER POLE	436+76.42	58.07' LT.
CITY OF PEARLAND	WATER VALVE	437+50.64	60.20' LT.
CITY OF PEARLAND	FIRE HYDRANT	437+50.96	58.11' LT.
COMCAST	TELEPHONE PEDESTAL	437+54.54	63.91' LT.
CENTERPOINT	POWER POLE	437+75.39	57.51' LT.
CENTERPOINT	POWER POLE	437+90.28	56.37' RT.
FRONTIER/VERIZON	MARKER POST	438+58.01	64.95' RT.
CENTERPOINT	POWER POLE	439+18.20	56.66' LT.
CITY OF PEARLAND	CLEAN OUT	439+22.27	58.65' LT.
CITY OF PEARLAND	CLEAN OUT	439+23.27	58.42' LT.
CITY OF PEARLAND	WATER METER	439+26.76	65.29' LT.
FRONTIER/VERIZON	MARKER POST	439+54.68	65.61' RT.
FRONTIER/VERIZON	TELEPHONE PEDESTAL	439+55.32	64.26' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	440+09.55 - 440+70.79	109.66' LT. - 125.99' LT.
AT&T	COMMUNICATION LINE	440+26.32 - 440+42.57	70.12' LT. - 56.35' RT. (CROSSING)
AT&T	PULL BOX	440+26.73	64.40' LT.
CITY OF PEARLAND	WATER VALVE	440+30.81	67.43' LT.
CITY OF PEARLAND	WATER VALVE	440+31.26	62.36' LT.
AT&T	COMMUNICATION LINE	440+36.60 - 440+42.57	56.70' RT. - 56.35' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	440+39.96 - 440+92.90	220.79' LT. - 56.65' LT.
CENTERPOINT	POWER POLE	440+53.50	59.79' RT.
CITY OF PEARLAND	DROP INLET	440+82.10	35.22' LT.
CITY OF PEARLAND	SANITARY MANHOLE	440+88.39	47.48' LT.
CITY OF PEARLAND	SANITARY MANHOLE	440+91.33	53.50' RT.
COMCAST	FIBER OPTIC LINE	440+92.72 - 441+84.85	54.22' LT. - 58.65' LT.
CENTERPOINT	POWER POLE	440+92.90	56.65' LT.
FRONTIER/VERIZON	COMMUNICATION LINE	440+92.90 - 441+47.83	(CROSSING)
PHONOSCOPE	MARKER POST	440+95.90	55.96' LT.
TXDOT	TRAFFIC CONTROL BOX	441+00.14	51.20' RT.
PS-LIGHTWAVE	MARKER POST	441+02.42	57.04' LT.
CENTERPOINT	POWER POLE	441+14.34	61.66' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	441+14.53 - 441+46.58	61.66' RT. - 218.84' RT.
COMCAST	MARKER POST	441+57.98	48.73' LT.
COMCAST	PULL BOX	441+57.98	47.28' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	441+58.32	91.65' RT.
CENTERPOINT	POWER POLE	441+61.41	142.04' RT.
TXDOT	TRAFFIC CONTROL BOX	441+81.77	49.81' RT.
TXDOT	TRAFFIC CONTROL BOX	441+85.30	0.52' RT.
TXDOT	PEDESTRIAN SIGNAL BOX	441+88.07	57.16' RT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	441+89.19	82.36' RT.
TXDOT	TRAFFIC SIGNAL LIGHT POLE	441+90.86	0.10' RT.
TXDOT	PEDESTRIAN SIGNAL BOX	441+96.99	61.29' LT.



LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive Phone 713.953.5200
Suite 175 Fax 713.953.5026
Houston, Texas 77042 T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		8

PROJECT NO. LJA5001-2694-1901

11uRPc1GkkMSuRVE5W2B9BBQ8DMSUBBMhTtAEsMSf5T/REGUBNE5-RESUBBMhTtED.111B1B4MSW5Q1-1NDE5K-SHtBdGgn

UTILITIES ALONG BROADWAY STREET

UTILITY NAME	TYPE	STATION	OFFSET
CITY OF PEARLAND	DROP INLET	11+87.86	52.95' RT.
CITY OF PEARLAND	DROP INLET	11+90.42	52.91' RT.
CENTERPOINT	POWER POLE	12+10.19	52.84' LT.
CENTERPOINT	POWER POLE	14+43.60	52.54' LT.
CENTERPOINT	POWER POLE	16+76.13	52.32' LT.
CITY OF PEARLAND	DROP INLET	18+51.09	52.80' RT.
CITY OF PEARLAND	DROP INLET	18+53.81	52.81' RT.
CITY OF PEARLAND	DROP INLET	18+54.27	48.57' LT.
CENTERPOINT	POWER POLE	19+10.49	52.15' LT.
CENTERPOINT	POWER POLE	21+43.20	52.72' LT.
CENTERPOINT	POWER POLE	23+75.80	52.72' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	23+75.80 - 23+88.59	52.72' LT. - 145.05' LT.
CITY OF PEARLAND	DROP INLET	24+88.12	52.52' RT.
CITY OF PEARLAND	DROP INLET	24+89.26	49.12' LT.
CITY OF PEARLAND	DROP INLET	24+90.77	52.50' RT.
CENTERPOINT	POWER POLE	26+08.47	53.21' LT.
CENTERPOINT	POWER POLE	28+39.72	52.81' LT.
CENTERPOINT	UNDERGROUND ELECTRICAL	28+40.37 - 28+42.57	51.63' LT. - 59.78' RT. (CROSSING)
CENTERPOINT	OVERHEAD ELECTRICAL	29+42.25 - 29+43.22	121.71' RT. - 71.06' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	29+43.22 - 53+41.97	71.06' RT. - 59.84' RT.
CITY OF PEARLAND	DROP INLET	30+12.42	52.19' RT.
CITY OF PEARLAND	DROP INLET	30+14.98	52.14' RT.
CITY OF PEARLAND	DROP INLET	30+15.86	48.79' LT.
CENTERPOINT	POWER POLE	30+33.72	71.36' RT.
CENTERPOINT	ELEC. JUNCTION BOX	30+41.31	83.79' LT.
CENTERPOINT	POWER POLE	31+09.39	53.34' LT.
CENTERPOINT	POWER POLE	31+25.51	70.93' RT.
CENTERPOINT	POWER POLE	32+16.62	71.51' RT.
CENTERPOINT	POWER POLE	32+33.87	83.69' RT.
LGS RENEWABLE	GAS LINE	32+56.14 - 32+57.81	61.46' RT. - 40.62' LT. (CROSSING)
LGS RENEWABLES	MARKER POST	32+63.08	49.80' LT. RT.
CENTERPOINT	ELEC. JUNCTION BOX	32+74.42	41.28' LT.
CENTERPOINT	POWER POLE	33+09.00	53.81' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	33+17.10	50.79' RT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	33+18.57	2.77' RT.
AT&T	COMMUNICATION LINE	33+47.84 - 34+20.14	49.14' LT. - 95.28' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	33+79.48	0.66' LT.
UNION PACIFIC RAILROAD	RAILROAD SIGNAL STANDARD	33+85.95	47.95' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	33+92.11	0.88' RT.
CITY OF PEARLAND	WATER METER	35+65.88	52.07' RT.
AT&T	COMMUNICATION LINE	35+74.72 - 35+89.33	84.87' LT. - 67.98' LT.
CENTERPOINT	POWER POLE	35+85.73	59.09' RT.
CITY OF PEARLAND	WATER VALVE BOX	36+08.12	4.88' LT.
CITY OF PEARLAND	WATER VALVE	36+09.61	5.40' LT.
CITY OF PEARLAND	WATER VALVE	36+10.23	6.72' LT.
CITY OF PEARLAND	WATER METER	36+26.75	51.22' LT.
CITY OF PEARLAND	WATER	36+31.02 - 49+45.70	56.74' LT. - 57.17' LT.
CITY OF PEARLAND	WATER VALVE	36+55.31	56.27' LT.
CITY OF PEARLAND	FIRE HYDRANT	36+65.96	47.29' LT.
CITY OF PEARLAND	WATER VALVE BOX	36+69.80	64.78' LT.
CENTERPOINT	UNDERGROUND ELECTRICAL	37+30.60 - 53+43.86	47.38' RT. - 47.06' RT.
CITY OF PEARLAND	LIGHT POLE	37+35.81	47.06' RT.
CITY OF PEARLAND	LIGHT POLE	37+36.33	46.48' LT.
CENTERPOINT	UNDERGROUND ELECTRICAL	37+36.71 - 53+43.86	46.42' LT. - 47.13' LT.
CITY OF PEARLAND	WATER VALVE BOX	37+49.45	46.89' LT.
CITY OF PEARLAND	WATER VALVE BOX	37+61.20	46.95' RT.
CENTERPOINT	POWER POLE	38+36.15	59.24' RT.
CITY OF PEARLAND	WATER VALVE BOX	38+54.68	13.80' LT.
CITY OF PEARLAND	WATER VALVE BOX	38+56.84	13.79' LT.
CITY OF PEARLAND	WATER VALVE BOX	38+58.08	13.74' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	38+76.14	58.12' RT.
CITY OF PEARLAND	STORM SEWER	38+76.14 - 38+76.58	58.11' RT. - 0.31' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	38+76.55	57.85' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	38+76.58	0.31' LT.
CITY OF PEARLAND	STORM SEWER	38+76.58 - 45+76.26	0.31' LT. - 0.68' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	38+76.64	45.79' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	38+77.08	45.97' RT.
CITY OF PEARLAND	SANITARY MANHOLE	39+27.05	55.78' RT.
CITY OF PEARLAND	LIGHT POLE	39+34.18	47.00' LT.
CITY OF PEARLAND	LIGHT POLE	39+35.56	47.29' RT.
CITY OF PEARLAND	WATER VALVE BOX	39+36.06	60.10' RT.
CITY OF PEARLAND	WATER VALVE BOX	39+40.37	59.83' LT.
CITY OF PEARLAND	WATER VALVE BOX	39+40.83	60.62' RT.
CITY OF PEARLAND	SANITARY SEWER	39+97.37 - 53+43.86	56.19' RT. - 54.62' RT.
CITY OF PEARLAND	WATER VALVE	40+37.42	50.92' LT.
CITY OF PEARLAND	WATER	40+38.91 - 40+41.95	61.54' RT. - 55.44' LT.
CITY OF PEARLAND	WATER VALVE BOX	40+39.05	16.16' LT.
CITY OF PEARLAND	WATER VALVE	40+42.05	16.95' LT.
CITY OF PEARLAND	WATER VALVE	40+43.37	55.55' LT.
CITY OF PEARLAND	WATER VALVE BOX	40+65.88	47.02' LT.
CITY OF PEARLAND	FIRE HYDRANT	40+84.95	47.13' LT.
CITY OF PEARLAND	WATER VALVE	40+85.23	50.97' LT.
CENTERPOINT	POWER POLE	41+07.68	59.05' RT.
CITY OF PEARLAND	LIGHT POLE	41+34.20	46.96' RT.
CITY OF PEARLAND	LIGHT POLE	41+34.47	46.50' LT.
CITY OF PEARLAND	WATER VALVE BOX	42+39.14	46.85' RT.
CITY OF PEARLAND	WATER VALVE BOX	42+66.16	60.79' LT.
CITY OF PEARLAND	WATER VALVE BOX	43+08.13	6.95' LT.
CITY OF PEARLAND	LIGHT POLE	43+32.13	46.93' RT.
CITY OF PEARLAND	LIGHT POLE	43+33.45	46.86' LT.
CITY OF PEARLAND	WATER VALVE BOX	43+77.10	47.03' LT.
CENTERPOINT	POWER POLE	43+80.06	59.57' RT.
AT&T	COMMUNICATION LINE	43+80.26 - 43+80.66	60.59' RT. - 80.80' RT.
CITY OF PEARLAND	WATER VALVE BOX	44+24.47	81.97' RT.

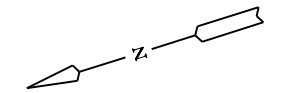
UTILITY NAME	TYPE	STATION	OFFSET
CITY OF PEARLAND	WATER VALVE BOX	44+26.91	80.92' RT.
CITY OF PEARLAND	SANITARY MANHOLE	44+28.53	55.69' RT.
CITY OF PEARLAND	WATER VALVE BOX	44+44.45	13.21' LT.
CITY OF PEARLAND	WATER VALVE BOX	44+46.33	13.22' LT.
CITY OF PEARLAND	WATER VALVE BOX	44+48.56	13.26' LT.
CITY OF PEARLAND	WATER VALVE BOX	44+88.90	80.68' RT.
CITY OF PEARLAND	WATER VALVE	45+12.28	46.12' LT.
CITY OF PEARLAND	LIGHT POLE	45+30.39	46.25' LT.
CITY OF PEARLAND	LIGHT POLE	45+32.56	47.15' RT.
CITY OF PEARLAND	WATER VALVE BOX	45+39.12	61.16' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	45+76.26	0.68' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	45+76.73	45.57' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	45+76.77	58.01' LT.
CITY OF PEARLAND	STORM SEWER	45+76.77 -45+78.01	58.01' LT. - 58.38' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	45+77.28	45.53' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	45+78.01	58.39' RT.
CITY OF PEARLAND	WATER VALVE BOX	45+91.38	47.27' RT.
CITY OF PEARLAND	WATER VALVE BOX	45+95.32	92.45' RT.
CITY OF PEARLAND	WATER VALVE	46+15.24	50.69' LT.
CITY OF PEARLAND	FIRE HYDRANT	46+15.42	47.11' LT.
CITY OF PEARLAND	WATER VALVE	46+37.39	16.53' LT.
CITY OF PEARLAND	WATER VALVE BOX	46+48.20	14.91' LT.
CITY OF PEARLAND	WATER VALVE	46+49.56	15.04' LT.
CENTERPOINT	POWER POLE	46+53.25	59.04' RT.
CITY OF PEARLAND	WATER VALVE	46+61.28	46.33' LT.
CITY OF PEARLAND	WATER VALVE BOX	46+66.27	84.83' RT.
CITY OF PEARLAND	WATER VALVE BOX	46+91.24	45.87' LT.
CITY OF PEARLAND	WATER VALVE BOX	46+98.41	72.11' RT.
CITY OF PEARLAND	WATER VALVE BOX	47+06.75	71.97' RT.
CITY OF PEARLAND	LIGHT POLE	47+07.53	46.28' RT.
CITY OF PEARLAND	WATER VALVE BOX	47+09.17	72.75' RT.
CITY OF PEARLAND	LIGHT POLE	47+30.79	46.25' LT.
CITY OF PEARLAND	SANITARY MANHOLE	47+43.02	55.90' RT.
CITY OF PEARLAND	LIGHT POLE	47+44.91	94.57' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	47+44.92	80.92' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	48+07.95	80.49' RT.
CITY OF PEARLAND	WATER	48+09.52 - 48+11.27	55.15' LT. - 85.06' RT.
CITY OF PEARLAND	WATER VALVE	48+09.57	53.30' LT.
CITY OF PEARLAND	WATER VALVE BOX	48+47.83	60.33' LT.
CITY OF PEARLAND	WATER VALVE	48+48.85	60.48' LT.
CITY OF PEARLAND	WATER VALVE BOX	48+72.11	76.18' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	48+75.90	0.23' LT.
CITY OF PEARLAND	WATER VALVE	48+80.24	45.44' RT.
CITY OF PEARLAND	WATER VALVE BOX	49+07.83	4.38' LT.
CENTERPOINT	POWER POLE	49+12.48	58.92' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	49+12.48 - 49+25.24	58.92' RT. - 107.12 LT. (CROSSING)
CITY OF PEARLAND	WATER VALVE BOX	49+16.24	74.56' RT.
CITY OF PEARLAND	WATER VALVE	49+21.18	57.06' LT.
CITY OF PEARLAND	WATER VALVE	49+24.80	6.29' LT.
CENTERPOINT	POWER POLE	49+25.17	60.96' LT.
CENTERPOINT	POWER POLE	49+25.24	107.12' LT.
CITY OF PEARLAND	SANITARY MANHOLE	49+27.55	54.94' RT.
CITY OF PEARLAND	SANITARY MANHOLE	49+29.27	76.98' LT.
CITY OF PEARLAND	LIGHT POLE	49+30.37	46.48' LT.
CITY OF PEARLAND	LIGHT POLE	49+30.81	46.50' RT.
CITY OF PEARLAND	WATER VALVE BOX	50+03.11	72.84' RT.
CITY OF PEARLAND	WATER VALVE BOX	50+08.53	46.76' LT.
CENTERPOINT	POWER POLE	50+32.66	59.09' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	50+41.02	64.75' LT.
CITY OF PEARLAND	WATER VALVE	50+50.55	59.50' LT.
CITY OF PEARLAND	WATER VALVE	50+50.56	59.54' LT.
CITY OF PEARLAND	WATER VALVE BOX	50+57.26	69.47' RT.
CITY OF PEARLAND	WATER VALVE	50+67.40	71.90' RT.
CITY OF PEARLAND	WATER VALVE	50+69.48	51.35' LT.
CITY OF PEARLAND	FIRE HYDRANT	50+69.58	47.15' LT.
CITY OF PEARLAND	WATER VALVE BOX	50+71.31	60.36' LT.
CITY OF PEARLAND	WATER VALVE BOX	50+94.56	74.99' RT.
CITY OF PEARLAND	WATER VALVE	51+01.57	93.87' RT.
CITY OF PEARLAND	LIGHT POLE	51+23.70	46.53' LT.
CITY OF PEARLAND	LIGHT POLE	51+25.95	47.71' RT.
CITY OF PEARLAND	WATER VALVE BOX	51+37.16	75.89' RT.
CITY OF PEARLAND	SANITARY MANHOLE	51+54.50	54.57' RT.
CENTERPOINT	POWER POLE	51+61.97	59.55' RT.
CITY OF PEARLAND	SANITARY MANHOLE	51+79.78	76.51' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	52+04.48	63.63' LT.
CITY OF PEARLAND	WATER VALVE BOX	52+07.47	15.16' LT.
CITY OF PEARLAND	WATER VALVE BOX	52+09.28	15.15' LT.
CITY OF PEARLAND	WATER VALVE BOX	52+10.80	15.09' LT.
CITY OF PEARLAND	WATER VALVE BOX	52+40.24	73.25' RT.
CITY OF PEARLAND	WATER VALVE	52+67.19	46.43' LT.
CITY OF PEARLAND	WATER VALVE	52+68.63	73.50' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	52+76.50	58.47' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	52+76.72	45.48' LT.
CITY OF PEARLAND	STORM SEWER MANHOLE	52+76.99	45.69' RT.
CITY OF PEARLAND	STORM SEWER MANHOLE	52+77.31	0.69' RT.
CENTERPOINT	POWER POLE	53+15.05	59.15' RT.
AT&T	COMMUNICATION LINE	53+15.49 - 53+16.74	60.06' RT. - 84.10' RT.
CITY OF PEARLAND	LIGHT POLE	53+18.80	46.60' LT.
CITY OF PEARLAND	LIGHT POLE	53+21.89	46.42' RT.
CENTERPOINT	OVERHEAD ELECTRICAL	8+56.80 - 9+76.72	172.60' LT. - 53.20' LT.
CENTERPOINT	OVERHEAD ELECTRICAL	9+76.72 - 33+09.00	53.20' LT. - 53.81' LT.

R.O.W. MONUMENT TABLE FOR F.M. 521

NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
13,777,383.84	3,102,580.78	165+00.00	60.26' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,347.84	3,102,695.25	165+00.00	59.74' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,277.11	3,102,678.23	165+72.59	64.73' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,272.51	3,102,671.54	165+78.98	59.72' LT.	FND 5/8" IRON ROD
13,777,154.87	3,102,639.75	167+00.73	64.69' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,192.36	3,102,520.51	167+00.74	60.31' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,775,915.40	3,102,250.11	180+00.00	64.81' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,775,952.90	3,102,130.87	180+00.00	60.20' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,775,495.57	3,102,118.13	184+40.09	64.84' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,775,495.26	3,102,112.79	184+41.99	59.84' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,774,956.26	3,101,948.59	190+05.42	64.89' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,774,955.96	3,101,943.26	190+07.31	59.89' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,774,484.44	3,101,800.27	195+00.00	64.94' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,774,521.94	3,101,681.03	195+00.00	60.06' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,773,833.65	3,101,464.65	202+21.50	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,773,796.11	3,101,583.88	202+21.54	65.00' LT.	FND 5/8" IRON ROD W/LJA CAP
13,773,053.58	3,101,350.07	210+00.00	64.94' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,773,091.11	3,101,230.84	210+00.00	60.06' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,771,622.83	3,100,899.56	225+00.00	64.83' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,771,660.37	3,100,780.32	225+00.00	60.17' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,770,192.08	3,100,449.04	240+00.00	64.73' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,770,229.62	3,100,329.81	240+00.00	60.28' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,769,476.82	3,100,223.81	247+49.89	64.67' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,769,478.32	3,100,219.04	247+49.89	59.67' LT.	FND 5/8" IRON ROD W/LJA CAP
13,768,762.84	3,099,993.75	255+00.00	59.62' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,798.87	3,099,879.29	255+00.00	60.39' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,036.15	3,099,764.93	262+61.87	59.56' LT.	FND 5/8" IRON ROD W/LJA CAP
13,768,072.15	3,099,650.46	262+61.90	60.44' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,767,332.02	3,099,543.47	270+00.00	59.75' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,767,368.05	3,099,429.00	270+00.00	60.25' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,765,901.13	3,099,093.42	285+00.00	60.13' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,765,937.16	3,098,978.95	285+00.00	59.87' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,765,425.07	3,098,817.89	290+36.82	59.74' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,765,389.03	3,098,932.35	290+36.83	60.27' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,764,470.33	3,098,643.08	300+00.00	60.21' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,764,506.36	3,098,528.62	300+00.00	59.80' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,763,039.58	3,098,192.57	315+00.00	60.11' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,763,075.61	3,098,078.11	315+00.00	59.89' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,761,608.83	3,097,742.07	330+00.00	60.02' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,761,644.86	3,097,627.61	330+00.00	59.98' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,761,405.26	3,097,552.17	332+51.20	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,761,369.17	3,097,666.61	332+51.22	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,760,178.21	3,097,291.04	345+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,760,214.30	3,097,176.60	345+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,758,747.65	3,096,839.92	360+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,758,783.74	3,096,725.48	360+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,757,317.10	3,096,388.80	375+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,757,353.19	3,096,274.36	375+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,755,886.54	3,095,937.68	390+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,755,922.63	3,095,823.23	390+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,754,455.98	3,095,486.56	405+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,754,492.08	3,095,372.11	405+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,753,025.43	3,095,035.43	420+00.00	60.00' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,753,061.52	3,094,920.99	420+00.00	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,752,285.28	3,094,802.03	427+76.08	60.00' LT.	FND 1/2" IRON PIPE
13,752,321.36	3,094,687.58	427+76.09	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,751,594.85	3,094,584.39	435+00.00	60.08' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,751,630.94	3,094,469.94	435+00.00	59.92' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC

R.O.W. MONUMENT TABLE FOR BROADWAY STREET

NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
13,768,048.60	3,099,543.78	32+74.66	60.86' RT.	FND 3/4" IRON ROD
13,768,170.78	3,099,582.25	33+19.55	59.12' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,036.15	3,099,764.93	34+94.84	85.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,063.03	3,099,799.60	35+30.89	60.00' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,263.28	3,099,836.45	35+78.29	138.02' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,189.46	3,099,918.53	36+56.35	59.96' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,125.61	3,100,978.28	47+11.23	59.93' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,132.56	3,101,108.10	48+41.23	59.86' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,256.74	3,101,187.25	49+26.85	59.95' LT.	FND 5/8" IRON ROD W/LJA CAP
13,768,137.14	3,101,193.59	49+26.86	59.81' RT.	FND 5/8" IRON ROD W/KALKOMEY CAP
13,768,074.43	3,097,765.26	15+00.00	59.12' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,767,954.62	3,097,771.61	15+00.00	60.85' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,153.86	3,099,263.15	30+00.00	59.12' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,034.06	3,099,269.51	30+00.00	60.86' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,234.14	3,100,761.00	45+00.00	59.95' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,768,114.41	3,100,767.35	45+00.00	59.94' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC



LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

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2929 Briarpark Drive
Suite 175
Houston, Texas 77042
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		9

PROJECT NO. LJAS001-2694-1901

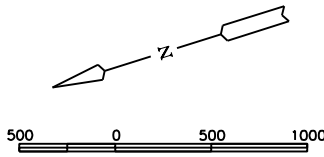
1\#P\rpg\dgn\#SHEET\#0269#4#0901#FSUBMITTAL\SHT #REGULAR#FS-REGULAR#TEXT 11#1#1#4#M521-1NBFSX-SHT9.dgn
11/20/2020 08

BASELINE CURVE TABLE

NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE	TANGENT	PI STATION	PI NORTHING	PI EASTING
C1	00°35' 27"	6,480.00'	66.82'	S 17°23'50" W	66.82'	33.41'	161+84.57	13,777,666.77	3,102,732.56
C2	00°35' 27"	6,480.00'	40.08'	S 17°16'44" W	40.08'	20.04'	161+38.02	13,777,615.67	3,102,716.84
C3	61°05' 40"	134.00'	142.88'	S 62°29'19" E	136.21'	79.08'	20+79.08	13,768,433.54	3,100,403.75
C4	61°05' 40"	134.00'	142.88'	S 62°29'19" E	136.21'	79.08'	23+21.97	13,768,214.47	3,100,540.33
C5	11°56' 47"	2,000.00'	417.00'	N 80°59'28" E	416.25'	209.26'	51+36.12	13,768,207.95	3,101,399.40
C6	61°05' 41"	134.00'	142.88'	N 56°25'01" E	136.21'	79.08'	20+79.08	13,767,878.32	3,100,433.19
C7	61°05' 41"	134.00'	142.88'	N 56°25'01" E	136.21'	79.08'	23+21.97	13,768,110.61	3,100,545.83
C8	90°00' 00"	92.00'	144.51'	S 41°57'51" E	130.11'	92.00'	15+58.50	13,767,920.95	3,100,443.87
C9	90°00' 00"	92.00'	144.51'	S 48°02'08" E	130.11'	92.00'	14+13.99	13,768,104.69	3,100,434.13
C10	90°00' 00"	92.00'	144.51'	N 41°57'51" W	130.11'	92.00'	16+67.00	13,768,208.54	3,100,428.62
C11	90°00' 00"	92.00'	144.51'	N 48°02'08" W	130.11'	92.00'	18+11.51	13,768,392.28	3,100,418.87
C12	01°00' 24"	6,480.00'	113.84'	S 16°59'57" W	113.84'	56.92'	436+76.89	13,751,444.22	3,094,473.89
C13	01°00' 24"	6,480.00'	113.84'	S 16°59'57" W	113.84'	56.92'	437+90.74	13,751,335.06	3,094,441.56

BASELINE LINE TABLE

NO.	BEARING	DISTANCE
L1	N86°57'51"E	463.22'
L2	S31°56'28"E	100.00'
L3	N25°52'11"E	100.00'
L4	N86°57'51"E	655.50'



LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

① BEGIN N. ACCESS RD ENT
STA. 20+00.00
R.C.S.J. 0111-03-066
N= 13,768,429.35
E= 3,100,324.78
LAT. = 29°33'34.3722"N
LONG.= 95°26'06.5296"W

② END N. ACCESS ROAD
STA. 14+63.22
R.C.S.J. 0111-03-066
N= 13,768,408.38
E= 3,100,325.89
LAT. = 29°33'36.2050"N
LONG.= 95°26'20.9183"W

③ END N. ACCESS ROAD EXIT
STA. 18+64.03
R.C.S.J. 0111-03-066
N= 13,768,387.41
E= 3,100,327.00
LAT. = 29°33'34.3722"N
LONG.= 95°26'06.5296"W

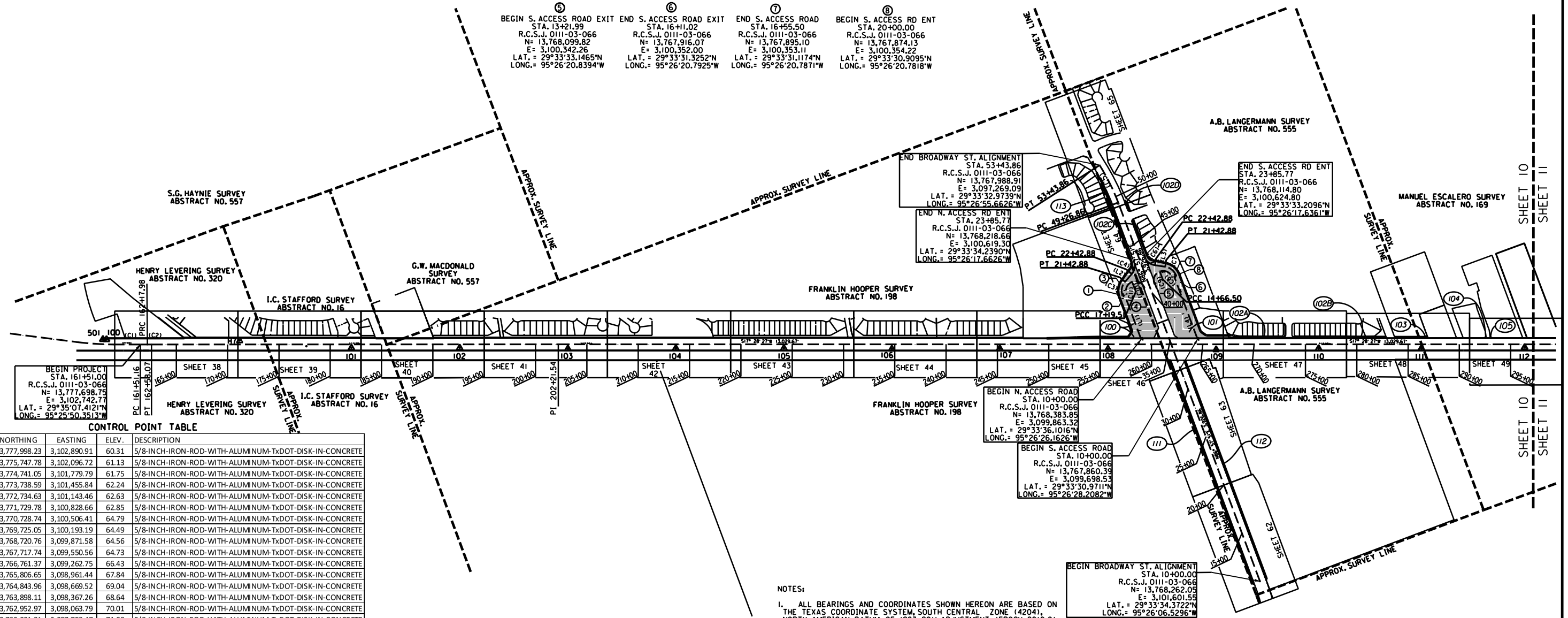
④ BEGIN N. ACCESS ROAD EXIT
STA. 15+75.00
R.C.S.J. 0111-03-066
N= 13,768,203.67
E= 3,100,336.75
LAT. = 29°33'34.3722"N
LONG.= 95°26'06.5296"W

⑤ BEGIN S. ACCESS ROAD EXIT
STA. 13+21.99
R.C.S.J. 0111-03-066
N= 13,768,099.82
E= 3,100,342.26
LAT. = 29°33'33.1465"N
LONG.= 95°26'20.8394"W

⑥ END S. ACCESS ROAD EXIT
STA. 16+11.02
R.C.S.J. 0111-03-066
N= 13,767,916.07
E= 3,100,352.00
LAT. = 29°33'31.3252"N
LONG.= 95°26'20.7925"W

⑦ END S. ACCESS ROAD
STA. 16+55.50
R.C.S.J. 0111-03-066
N= 13,767,895.10
E= 3,100,353.11
LAT. = 29°33'31.1174"N
LONG.= 95°26'20.7871"W

⑧ BEGIN S. ACCESS RD ENT
STA. 20+00.00
R.C.S.J. 0111-03-066
N= 13,767,874.13
E= 3,100,354.22
LAT. = 29°33'30.9095"N
LONG.= 95°26'20.7818"W



CONTROL POINT TABLE

POINT NAME	NORTHING	EASTING	ELEV.	DESCRIPTION
CP-100	13,777,998.23	3,102,890.91	60.31	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-101	13,775,747.78	3,102,096.72	61.13	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-102	13,774,741.05	3,101,779.79	61.75	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-103	13,773,738.59	3,101,455.84	62.24	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-104	13,772,734.63	3,101,143.46	62.63	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-105	13,771,729.78	3,100,828.66	62.85	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-106	13,770,728.74	3,100,506.41	64.79	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-107	13,769,725.05	3,100,193.19	64.49	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-108	13,768,720.76	3,099,871.58	64.56	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-109	13,767,717.74	3,099,550.56	64.73	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-110	13,766,761.37	3,099,262.75	66.43	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-111	13,765,806.65	3,098,961.44	67.84	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-112	13,764,843.96	3,098,669.52	69.04	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-113	13,763,898.11	3,098,367.26	68.64	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-114	13,762,952.97	3,098,063.79	70.01	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-115	13,762,001.21	3,097,759.47	71.08	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-116	13,761,004.51	3,097,441.35	70.03	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-117	13,760,049.80	3,097,146.09	69.12	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-118	13,759,019.48	3,096,830.35	70.28	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-119	13,758,060.96	3,096,531.24	70.53	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-120	13,757,094.44	3,096,225.46	70.74	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-121	13,756,111.66	3,095,918.04	68.47	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-122	13,755,159.85	3,095,620.95	66.78	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-123	13,754,199.75	3,095,310.85	66.53	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-124	13,753,228.03	3,095,004.20	66.40	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-125	13,752,288.03	3,094,693.35	64.61	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-126	13,751,324.32	3,094,379.91	64.30	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-127	13,750,425.87	3,094,214.64	63.57	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-1	13,783,601.30	3,104,370.96	54.73	TxDOT-MONUMENT-STAMPED-"H-1"
CP-2	13,782,547.10	3,104,034.28	57.35	TxDOT-MONUMENT-STAMPED-"H-2"
CP-3	13,781,907.62	3,105,278.32	61.74	TxDOT-MONUMENT-STAMPED-"H-2000366"
CP-4	13,781,491.71	3,103,764.23	59.28	TxDOT-MONUMENT-STAMPED-"H-3"
CP-5	13,780,488.51	3,103,436.70	60.41	TxDOT-MONUMENT-STAMPED-"H-4"
CP-6	13,779,405.80	3,103,096.38	60.32	TxDOT-MONUMENT-STAMPED-"H-5"
CP-501	13,778,032.42	3,102,902.92	60.23	5/8-INCH-IRON-ROD-WITH-CAP-"CIVIL CORP"
CP-7	13,776,765.12	3,102,490.23	60.67	TxDOT-MONUMENT-STAMPED-"H-7"
CP-8	13,776,162.23	3,102,241.21	60.93	TxDOT-MONUMENT-STAMPED-"S-080066R"

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT) AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARYAND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive
Suite 175
Houston, Texas 77042
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		10

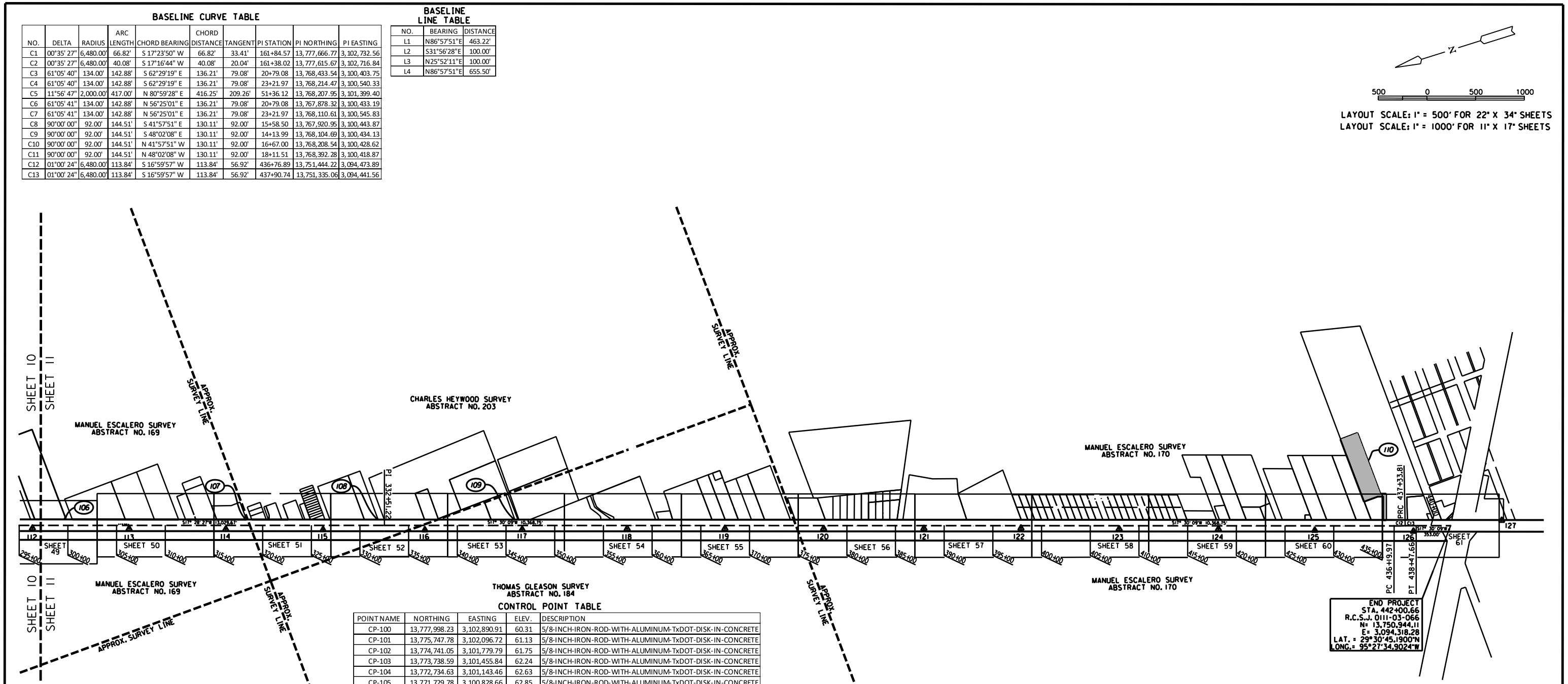
PROJECT NO. LJAS001-2694-1901

BASELINE CURVE TABLE

NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE	TANGENT	PI STATION	PI NORTHING	PI EASTING
C1	00°35' 27"	6,480.00'	66.82'	S 17°23'50" W	66.82'	33.41'	161+84.57	13,777,666.77	3,102,732.56
C2	00°35' 27"	6,480.00'	40.08'	S 17°16'44" W	40.08'	20.04'	161+38.02	13,777,615.67	3,102,716.84
C3	61°05' 40"	134.00'	142.88'	S 62°29'19" E	136.21'	79.08'	20+79.08	13,768,433.54	3,100,403.75
C4	61°05' 40"	134.00'	142.88'	S 62°29'19" E	136.21'	79.08'	23+21.97	13,768,214.47	3,100,540.33
C5	11°56' 47"	2,000.00'	417.00'	N 80°59'28" E	416.25'	209.26'	51+36.12	13,768,207.95	3,101,399.40
C6	61°05' 41"	134.00'	142.88'	N 56°25'01" E	136.21'	79.08'	20+79.08	13,767,878.32	3,100,433.19
C7	61°05' 41"	134.00'	142.88'	N 56°25'01" E	136.21'	79.08'	23+21.97	13,768,110.61	3,100,545.83
C8	90°00' 00"	92.00'	144.51'	S 41°57'51" E	130.11'	92.00'	15+58.50	13,767,920.95	3,100,443.87
C9	90°00' 00"	92.00'	144.51'	S 48°02'08" E	130.11'	92.00'	14+13.99	13,768,104.69	3,100,434.13
C10	90°00' 00"	92.00'	144.51'	N 41°57'51" W	130.11'	92.00'	16+67.00	13,768,208.54	3,100,428.62
C11	90°00' 00"	92.00'	144.51'	N 48°02'08" W	130.11'	92.00'	18+11.51	13,768,392.28	3,100,418.87
C12	01°00' 24"	6,480.00'	113.84'	S 16°59'57" W	113.84'	56.92'	436+76.89	13,751,444.22	3,094,473.89
C13	01°00' 24"	6,480.00'	113.84'	S 16°59'57" W	113.84'	56.92'	437+90.74	13,751,335.06	3,094,441.56

BASELINE LINE TABLE

NO.	BEARING	DISTANCE
L1	N86°57'51"E	463.22'
L2	S31°56'28"E	100.00'
L3	N25°52'11"E	100.00'
L4	N86°57'51"E	655.50'



CONTROL POINT TABLE

POINT NAME	NORTHING	EASTING	ELEV.	DESCRIPTION
CP-100	13,777,998.23	3,102,890.91	60.31	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-101	13,775,747.78	3,102,096.72	61.13	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-102	13,774,741.05	3,101,779.79	61.75	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-103	13,773,738.59	3,101,455.84	62.24	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-104	13,772,734.63	3,101,143.46	62.63	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-105	13,771,729.78	3,100,828.66	62.85	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-106	13,770,728.74	3,100,506.41	64.79	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-107	13,769,725.05	3,100,193.19	64.49	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-108	13,768,720.76	3,099,871.58	64.56	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-109	13,767,717.74	3,099,550.56	64.73	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-110	13,766,761.37	3,099,262.75	66.43	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-111	13,765,806.65	3,098,961.44	67.84	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-112	13,764,843.96	3,098,669.52	69.04	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-113	13,763,898.11	3,098,367.26	68.64	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-114	13,762,952.97	3,098,063.79	70.01	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-115	13,762,001.21	3,097,759.47	71.08	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-116	13,761,004.51	3,097,441.35	70.03	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-117	13,760,049.80	3,097,146.09	69.12	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-118	13,759,019.48	3,096,830.35	70.28	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-119	13,758,060.96	3,096,531.24	70.53	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-120	13,757,094.44	3,096,225.46	70.74	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-121	13,756,111.66	3,095,918.04	68.47	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-122	13,755,159.85	3,095,620.95	66.78	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-123	13,754,199.75	3,095,310.85	66.53	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-124	13,753,228.03	3,095,004.20	66.40	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-125	13,752,288.03	3,094,693.35	64.61	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-126	13,751,324.32	3,094,379.91	64.30	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-127	13,750,425.87	3,094,214.64	63.57	5/8-INCH-IRON-ROD-WITH-ALUMINUM-TxDOT-DISK-IN-CONCRETE
CP-1	13,783,601.30	3,104,370.96	54.73	TxDOT-MONUMENT-STAMPED-"H-1"
CP-2	13,782,547.10	3,104,034.28	57.35	TxDOT-MONUMENT-STAMPED-"H-2"
CP-3	13,781,907.62	3,105,278.32	61.74	TxDOT-MONUMENT-STAMPED-"H-2000366"
CP-4	13,781,491.71	3,103,764.23	59.28	TxDOT-MONUMENT-STAMPED-"H-3"
CP-5	13,780,488.51	3,103,436.70	60.41	TxDOT-MONUMENT-STAMPED-"H-4"
CP-6	13,779,405.80	3,103,096.38	60.32	TxDOT-MONUMENT-STAMPED-"H-5"
CP-501	13,778,032.42	3,102,902.92	60.23	5/8-INCH-IRON-ROD-WITH-CAP-"CIVIL CORP"
CP-7	13,776,765.12	3,102,490.23	60.67	TxDOT-MONUMENT-STAMPED-"H-7"
CP-8	13,776,162.23	3,102,241.21	60.93	TxDOT-MONUMENT-STAMPED-"S-080066R"

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.

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5. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

4. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

5. FIELD SURVEYS COMPLETED IN JULY, 2019.

6. R.O.W. MAP COMPLETED NOVEMBER, 2019

7. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

Texas Department of Transportation

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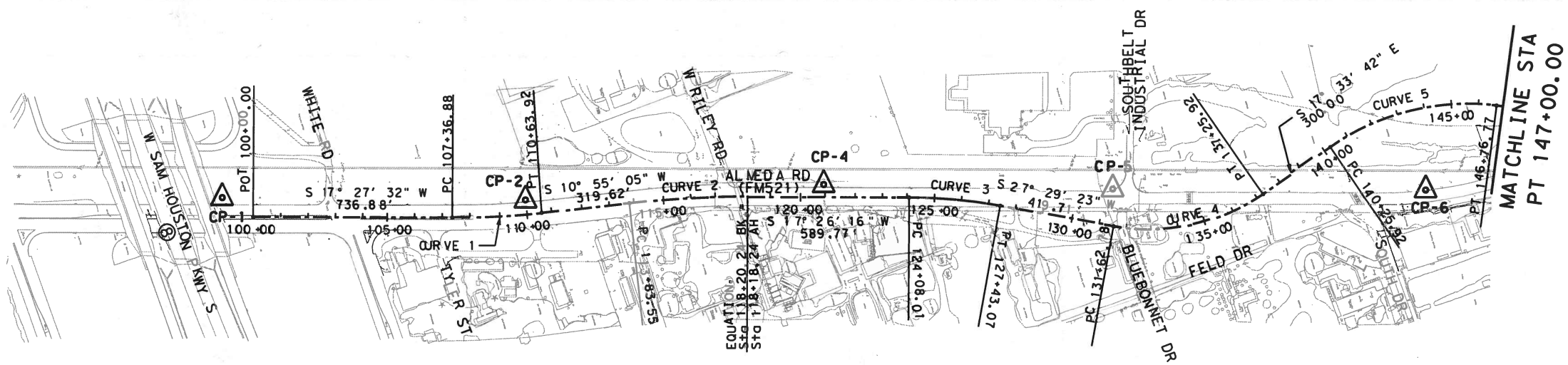
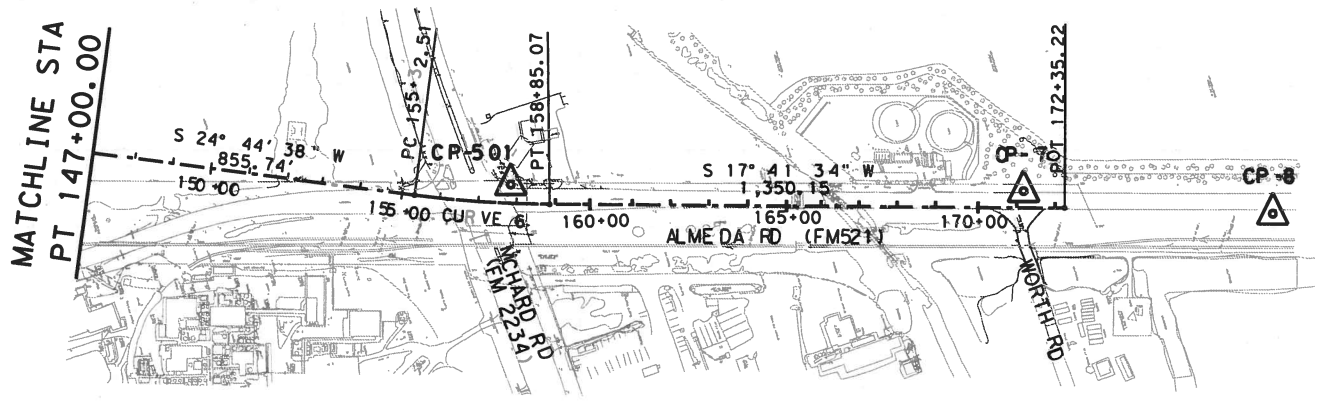
FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	11

PROJECT NO. LJAS001-2694-1901





CURVE 5
PI STATION = 143+66.98
DELTA = 42° 18' 19.71" (RT)
DEGREE OF CURVE = 6° 30' 00.00"
TANGENT = 341.06
LENGTH = 650.85
RADIUS = 881.47
PC STATION = 140+25.92
PT STATION = 146+76.77

CURVE 6
PI STATION = 157+09.02
DELTA = 7° 03' 04.08" (LT)
DEGREE OF CURVE = 2° 00' 00.00"
TANGENT = 176.50
LENGTH = 352.56
RADIUS = 2,864.79
PC STATION = 155+32.51
PT STATION = 158+85.07

CURVE 1
PI STATION = 109+00.58
DELTA = 6° 32' 27.28" (LT)
DEGREE OF CURVE = 2° 00' 00.00"
TANGENT = 163.70
LENGTH = 327.05
RADIUS = 2,864.79
PC STATION = 107+36.88
PT STATION = 110+63.92

CURVE 2
PI STATION = 116+01.13
DELTA = 6° 31' 13.27" (RT)
DEGREE OF CURVE = 1° 30' 00.00"
TANGENT = 217.58
LENGTH = 434.69
RADIUS = 3,819.72
PC STATION = 113+83.55
PT STATION = 118+18.24

CURVE 3
PI STATION = 125+75.97
DELTA = 10° 03' 06.98" (RT)
DEGREE OF CURVE = 3° 00' 00.00"
TANGENT = 167.96
LENGTH = 335.06
RADIUS = 1,909.86
PC STATION = 124+08.01
PT STATION = 127+43.07

CURVE 4
PI STATION = 134+59.81
DELTA = 45° 03' 05.40" (LT)
DEGREE OF CURVE = 8° 00' 00.00"
TANGENT = 297.04
LENGTH = 563.14
RADIUS = 716.20
PC STATION = 131+62.78
PT STATION = 137+25.92

FROM CP	TO CP	BEARING	LENGTH
8	7	N 22° 26' 33" E	652.29'
7	501	N 18° 02' 15" E	1,332.79'
501	6	N 08° 01' 05" E	1,386.94'
6	5	N 17° 26' 57" E	1,134.94'
5	4	N 18° 04' 52" E	1,055.31'
4	2	N 14° 21' 10" E	1,089.39'
2	1	N 17° 42' 44" E	1,106.66'
2	3	S 62° 47' 42" E	1,398.77'

NAME	NORTHING	EASTING	ELEV	STATION	OFFSET	DESCRIPTION
1	13,783,601.3010	3,104,370.9652	54.730'	OFF CHAIN	OFF CHAIN	FOUND TXDOT MON H-1
2	13,782,547.1027	3,104,034.2826	57.350'	110+09.10	51.21' LT	FOUND TXDOT MON H-2
3	13,781,907.6180	3,105,278.3184	61.035'	113+97.34	1,394.40 LT	FOUND TXDOT MON H-2000366
4	13,781,491.7108	3,103,764.2310	59.280'	120+95.38	44.92 LT	FOUND TXDOT MON H-3
5	13,780,488.5114	3,103,436.6989	60.410'	131+35.17	132.86 LT	FOUND TXDOT MON H-4
6	13,779,405.8003	3,103,096.3784	60.320'	149+07.39	293.46 RT	FOUND TXDOT MON H-5
7	13,776,765.1222	3,102,490.2297	60.667'	171+17.22	43.15' LT	FOUND TXDOT MON H-7
8	13,776,162.2317	3,102,241.2134	60.929'	OFF CHAIN	OFF CHAIN	FOUND TXDOT MON S-0800066R
501	13,778,032.4151	3,102,902.9173	60.231'	157+82.66	49.37' RT	501 SET 5/8"IR W/CAP CO"CIVIL

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204) NAD 83 (2011, EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.000130.

2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AN RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AN RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

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LEGEND:

CONTROL POINT

BASELINE

0' 125' 250' 500'

SCALE: 1"=500'

STATE OF TEXAS
REGISTERED
PAUL RAY SMITH
4646
PROFESSIONAL
LAND SURVEYOR

Paul Ray Smith

07-25-2014

THIS SURVEY WAS PERFORMED UNDER MY SUPERVISION AND REPRESENTS A CONTROL SURVEY PERFORMED ON THE GROUND UNDER MY SUPERVISION.

THE SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

PRELIMINARY

SUBMITTED FOR 100% REVIEW BY
JANICE E. KRUSE, P.E. TX 66045

AIA ENGINEERS, LTD.
FIRM REGISTRATION NUMBER: 2801
7/25/2014

NOT FOR CONSTRUCTION, BIDDING OR PERMITTING

CivilCorp
ENGINEERS • SURVEYORS
2825 WILCREST DR., SUITE 460, HOUSTON, TEXAS 77042
TEL: (832)252-8100 FAX: (832)252-8103

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CONSULTANTS
15310 PARK ROW, HOUSTON, TX 77084
PHONE: (281) 493-4140 TBPE #2801

Texas Department of Transportation

FM 521/FM 2234

SURVEY CONTROL INDEX SHEET

FED RD DIV NO.	PROJECT NO.		SHEET NO.
6			12
STATE	DISTRICT	COUNTY	
TEXAS	HOU	FORT BEND	
CONTROL	SECTION	JOB	HIGHWAY
0111	03	066	FM 521

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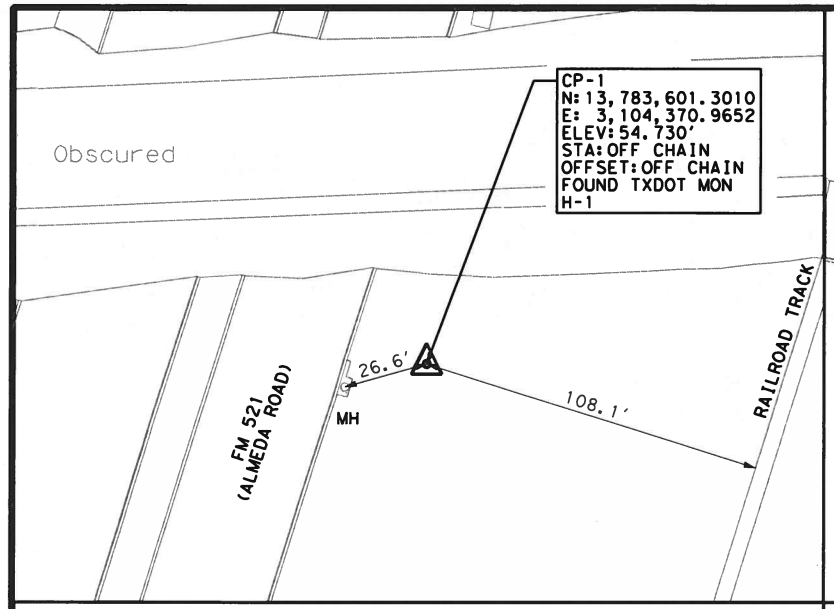

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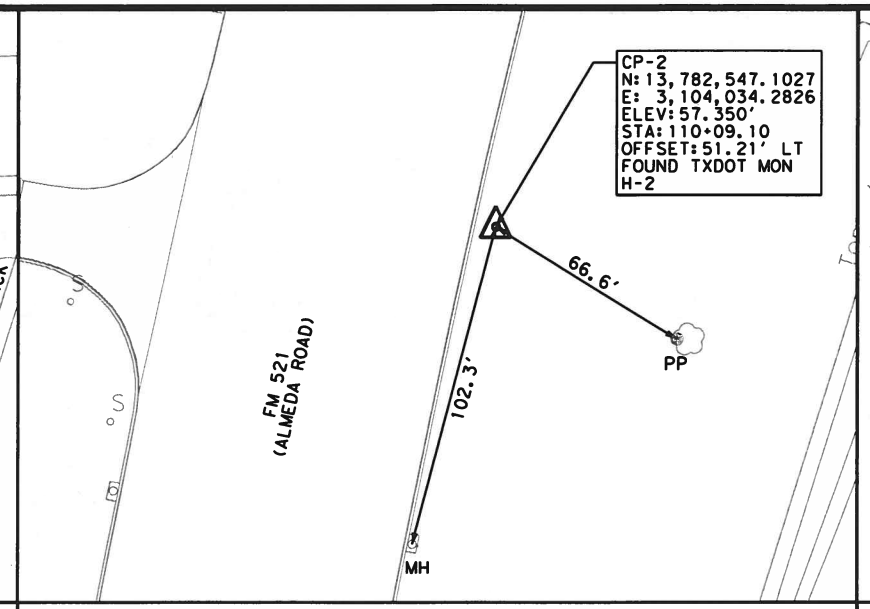
± 400 FEET NORTH OF WHITE ROAD



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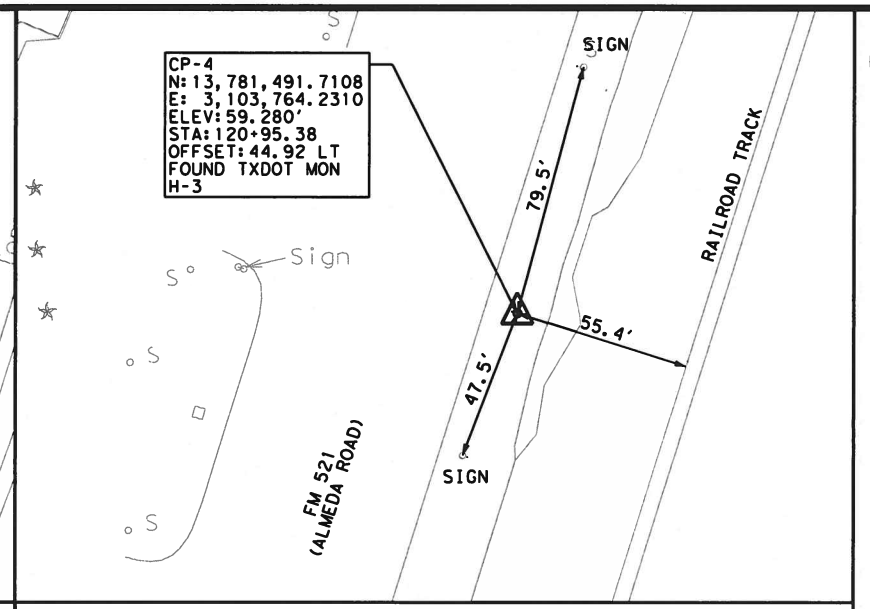
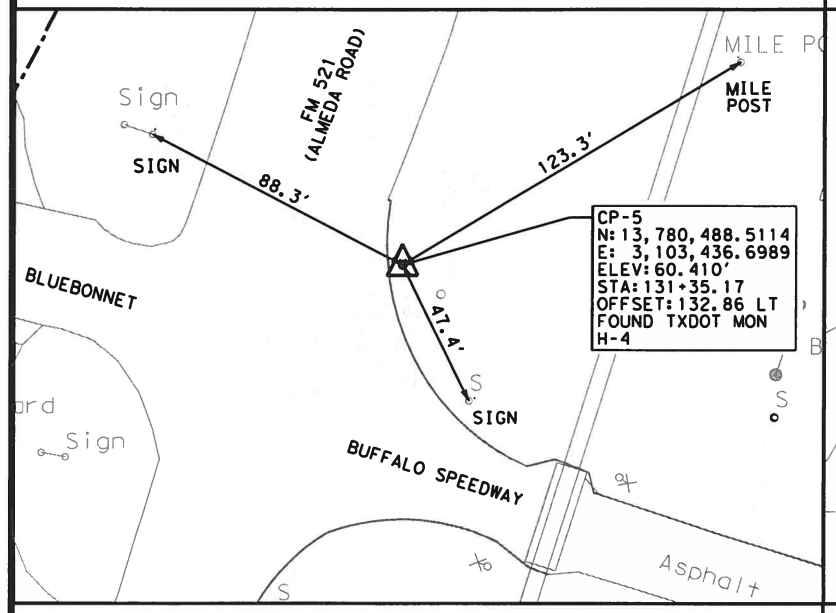
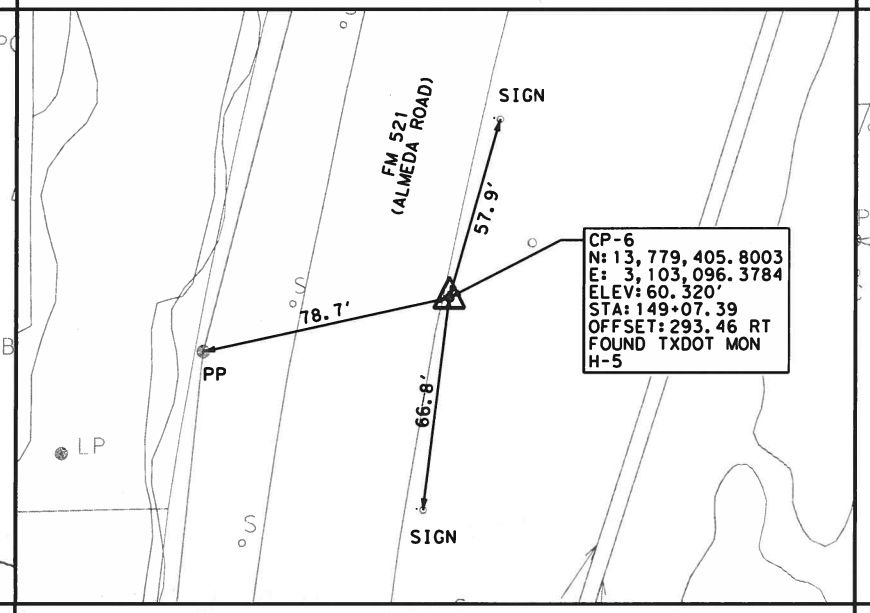
± 700 FEET NORTH OF RILEY ROAD



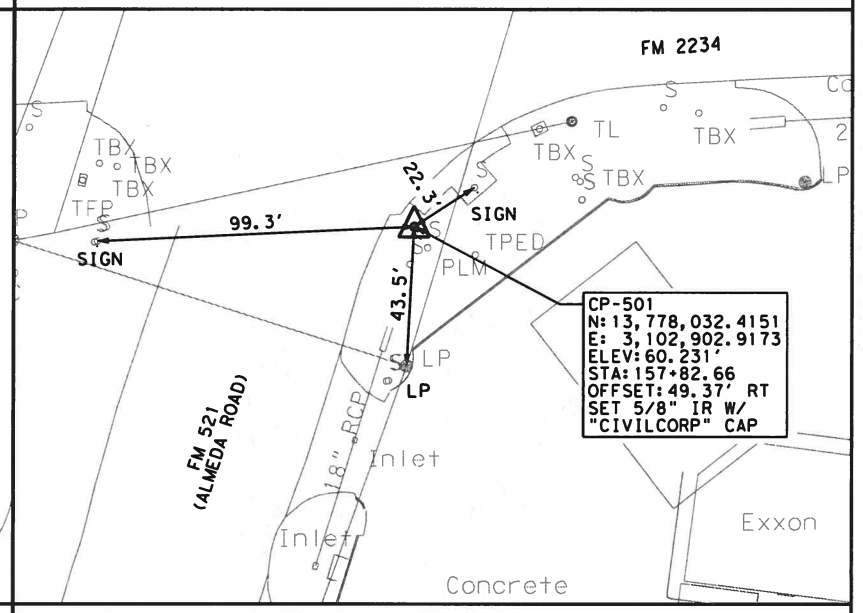
LOCATED ON THE EASTBOUND SIDE ON FM 521,
± 400 FEET NORTH OF SOUTH OF RILEY ROAD



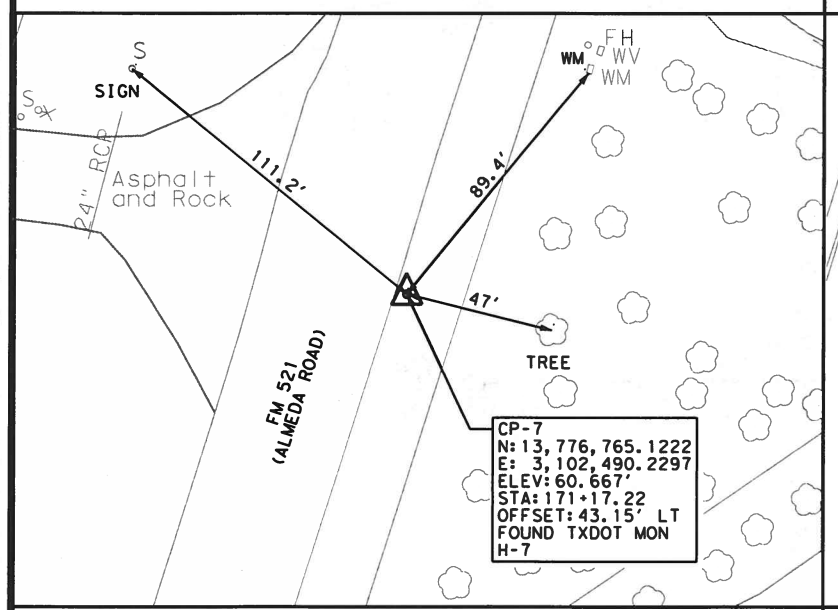
LOCATED ON THE EAST SIDE OF FM 521 AT THE
INTERSECTION OF BUFFULO SPEEDWAY



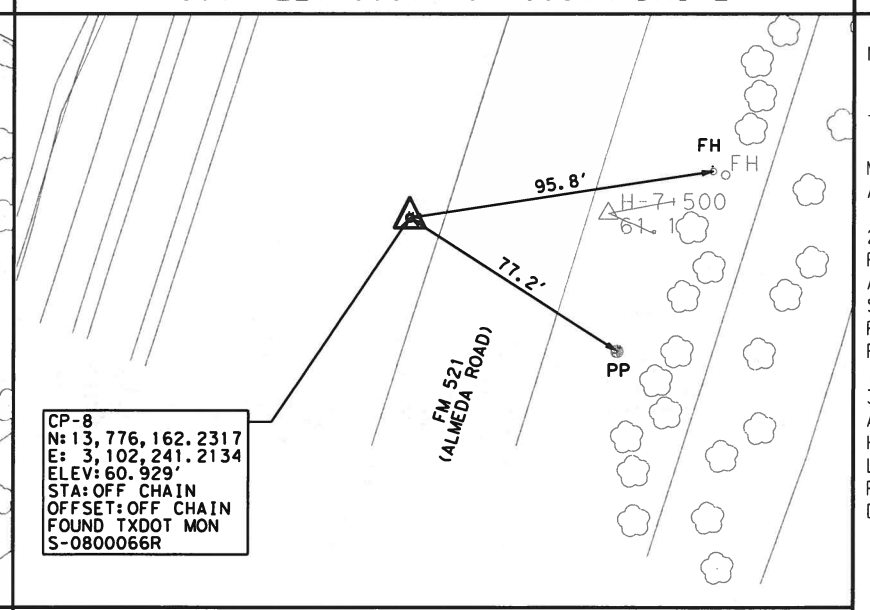
LOCATED ON THE EASTBOUND SIDE ON FM 521,
± 350 FEET SOUTH OF SOUTH DRIVE



LOCATED ON THE SOUTHEAST CORNER OF
THE INTERSECTION OF FM 521 & FM 2234



LOCATED ON THE EASTBOUND SIDE ON FM 521,
± 0.3 MILES SOUTH FM 2234



LOCATED ON THE WESTBOUND SIDE ON FM 521,
±0.4 FEET MILE SOUTH OF FM 2234

NOTES:

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LP INDICATES LIGHT POLE
EP INDICATES EDGE OF PAVEMENT
MH INDICATES MANHOLE
TEL INDICATES TELEPHONE
PP INDICATES POWER POLE
FH INDICATES FIRE HYDRANT
EC INDICATES EDGE OF CONCRETE
SGN INDICATES SIGN

N

NOT TO SCALE

STATE OF TEXAS
REGISTERED
PAUL RAY SMITH
4646
PROFESSIONAL
LAND SURVEYOR

Paul Ray Smith
07-25-2014

THIS SURVEY WAS PERFORMED UNDER MY SUPERVISION AND REPRESENTS A CONTROL SURVEY PERFORMED ON THE GROUND UNDER MY SUPERVISION.

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PRELIMINARY

SUBMITTED FOR 100% REVIEW BY
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FIRM REGISTRATION NUMBER: 2801
7/25/2014

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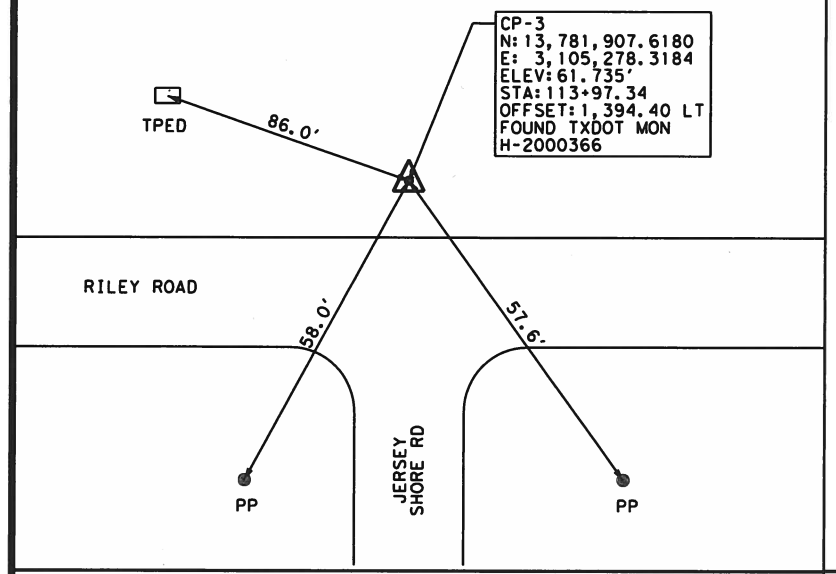
Texas Department of Transportation

FM 521/FM 2234

HORIZONTAL & VERTICAL CONTROL SKETCHES

FED RD DIV NO.	PROJECT NO.		SHEET NO.
6			13
STATE	DISTRICT	COUNTY	
TEXAS	HOU	FORT BEND	
CONTROL	SECTION	JOB	HIGHWAY
0111	03	066	FM 521



LOCATED ON THE NORTH SIDE OF RILEY ROAD, ± 0.25 MILES EAST OF FM 521

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204) NAD 83 (2011, EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.000130.

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N

NOT TO SCALE

STATE OF TEXAS
REGISTERED
PAUL RAY SMITH
4646
PROFESSIONAL
LAND SURVEYOR

Paul Ray Smith
07-25-2014

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PRELIMINARY

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Texas Department of Transportation

FM 521/FM 2234

HORIZONTAL & VERTICAL CONTROL SKETCHES

FED RD DIV NO.	PROJECT NO.		SHEET NO.
6			14
STATE	DISTRICT	COUNTY	
TEXAS	HOU	FORT BEND	
CONTROL	SECTION	JOB	HIGHWAY
0111	03	066	FM 521

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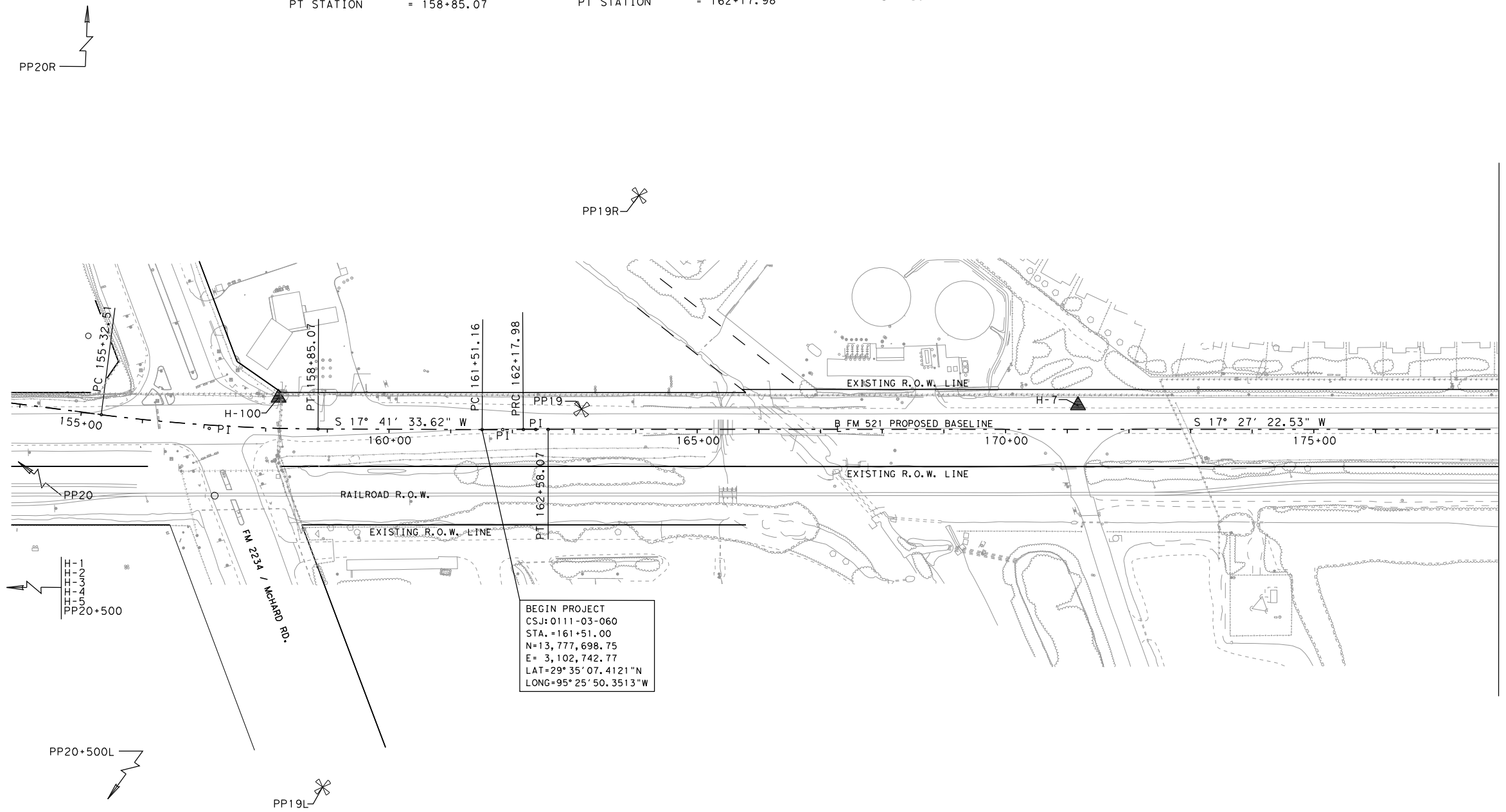
7/25/2014

PI STATION	= 157+09.01	PI STATION	= 161+84.57	PI STATION	= 162+38.02
DELTA	= 7° 03′ 04.08" (LT)	DELTA	= 0° 35′ 27.02" (LT)	DELTA	= 0° 21′ 15.93" (RT)
DEGREE OF CURVE	= 2° 00′ 00.00"	DEGREE OF CURVE	= 0° 53′ 03.10"	DEGREE OF CURVE	= 0° 53′ 03.10"
TANGENT	= 176.50	TANGENT	= 33.41	TANGENT	= 20.04
LENGTH	= 352.56	LENGTH	= 66.82	LENGTH	= 40.08
RADIUS	= 2,864.79	RADIUS	= 6,480.00	RADIUS	= 6,480.00
PC STATION	= 155+32.51	PC STATION	= 161+51.16	PC STATION	= 162+17.98
PT STATION	= 158+85.07	PT STATION	= 162+17.98	PT STATION	= 162+58.07



CONTROL MONUMENT DATA TABLE

Point	North	East	Elevation	Station	Offset	Description
H-1	13,783,601.31	3,104,370.97	54.73′	Off Chain	Off Chain	FND ALUM. CAP
H-2	13,782,547.10	3,104,034.28	57.46′	Off Chain	Off Chain	FND ALUM. CAP
H-3	13,781,491.71	3,103,764.23	59.33′	Off Chain	Off Chain	FND ALUM. CAP
H-4	13,780,488.51	3,103,436.69	60.43′	Off Chain	Off Chain	FND ALUM. CAP
H-5	13,779,405.80	3,103,096.38	60.35′	Off Chain	Off Chain	FND ALUM. CAP
H-7	13,776,765.13	3,102,490.23	60.75′	171+17.38	38.97′L	FND ALUM CAP
H-100	13,777,998.23	3,102,890.91	60.31′	158+19.52	49.38′L	SET5/8IRW/ALUMCAPINCONC
PP19	13,777,534.85	3,102,726.01	61.63′	163+12.38	32.99′L	SET MAG NAIL
PP19L	13,778,119.41	3,102,267.11	61.94′	158+94.79	581.00′R	SET MAG NAIL
PP19R	13,777,341.89	3,103,028.49	60.44′	164+05.71	379.42′L	SET MAG NAIL
PP20R	13,778,063.87	3,103,765.68	66.72′	153+88.35	830.48′L	SET X IN CONC.
PP20	13,778,901.96	3,103,093.21	62.07′	149+08.67	131.04′R	SET MAG NAIL
PP20+500	13,779,500.71	3,103,124.44	60.03′	Off Chain	Off Chain	SET 5/8" IR & PANEL
PP20+500L	13,779,617.66	3,102,777.45	60.78′	Off Chain	Off Chain	SET MAG NAIL

CONTROL INVERSE TABLE

From	To	Bearing	Distance
H-1	H-2	S 17° 42′ 44" W	1,106.67
H-2	H-3	S 14° 21′ 10" W	1,089.39
H-3	H-4	S 18° 04′ 54" W	1,055.32
H-4	H-5	S 17° 26′ 55" W	1,134.93
H-5	H-100	S 08° 18′ 18" W	1,422.49
H-100	H-7	S 18° 00′ 03" W	1,296.56
H-7	101	S 21° 08′ 47" W	1,090.80
H-101	102	S 17° 28′ 29" W	1,055.44

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED WITH DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73′ (NAVD88; 2001 ADJ). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45′.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER, 2015

RODS
Surveying, Inc.
Control Infrastructure Transportation Land Development
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700

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Texas Department of Transportation

FM 521
SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				15
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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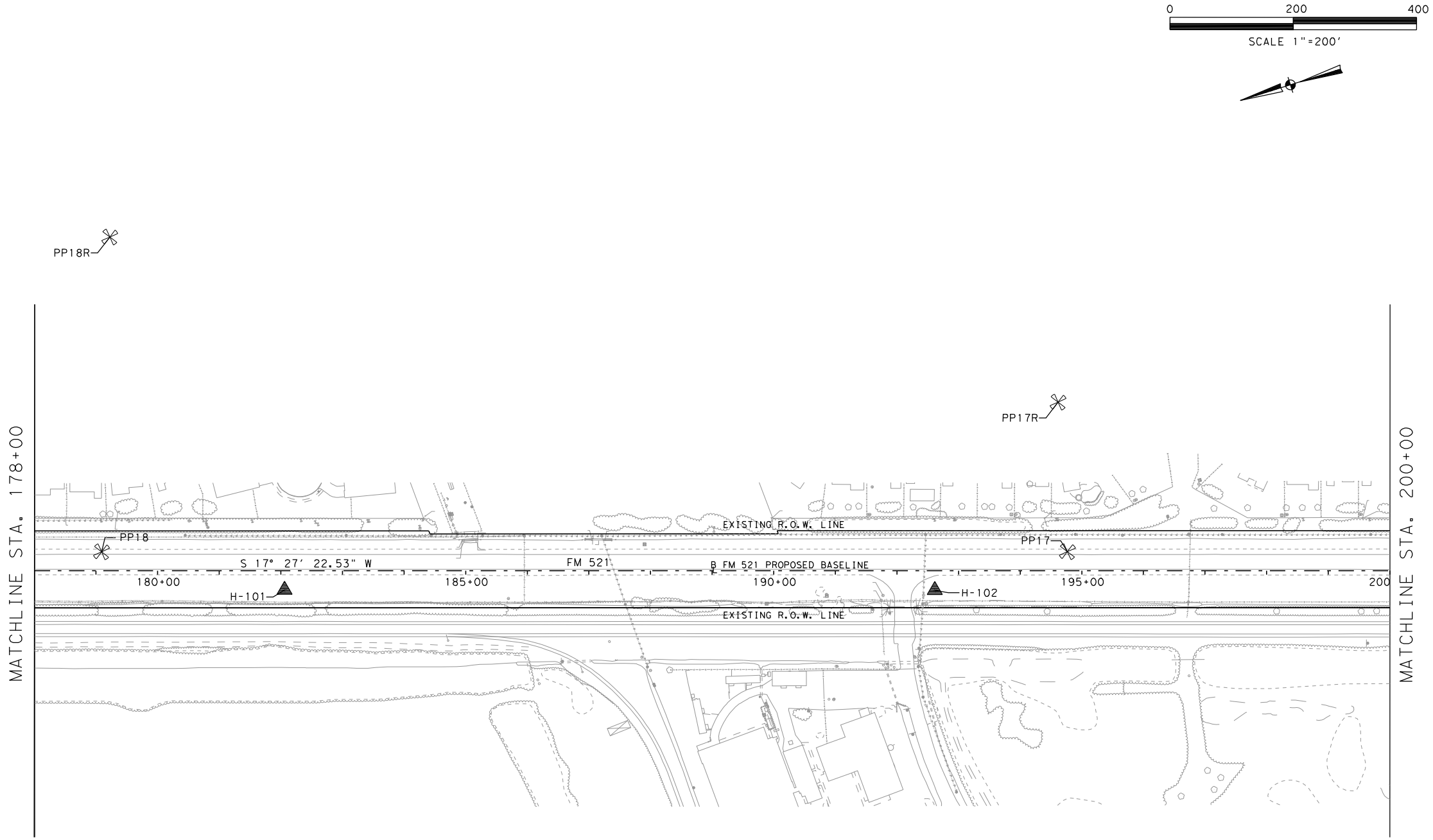

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-7	H-101	S 21° 08' 47" W	1,090.80
H-101	H-102	S 17° 28' 29" W	1,055.44
H-102	H-103	S 17° 54' 31" W	1,053.50

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-101	13,775,747.78	3,102,096.72	61.13'	182+05.92	31.24'R	SET5/8IRW/ALUMCAPINCONC
H-102	13,774,741.05	3,101,779.79	61.75'	192+61.36	31.58'R	SET5/8IRW/ALUMCAPINCONC
PP17	13,774,517.03	3,101,775.04	62.80'	194+76.48	31.09'L	SET MAG NAIL
PP17R	13,774,458.57	3,102,011.24	61.34'	194+61.40	273.95'L	SET MAG NAIL
PP17L	13,774,758.41	3,101,195.79	63.16'	194+19.98	593.89'R	SET MAG NAIL
PP18	13,776,012.40	3,102,245.03	61.83'	179+08.99	30.86'L	SET MAG NAIL
PP18R	13,775,846.33	3,102,728.58	60.82'	179+22.36	541.96'L	SET MAG NAIL

NOTES:

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STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
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PROFESSIONAL
LAND SURVEYOR

5-19-2017

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Survey Date: DECEMBER, 2015

RODS
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Control
Infrastructure
Transportation
Land Development
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700

Texas Department of Transportation
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FM 521
SURVEY CONTROL
INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				16
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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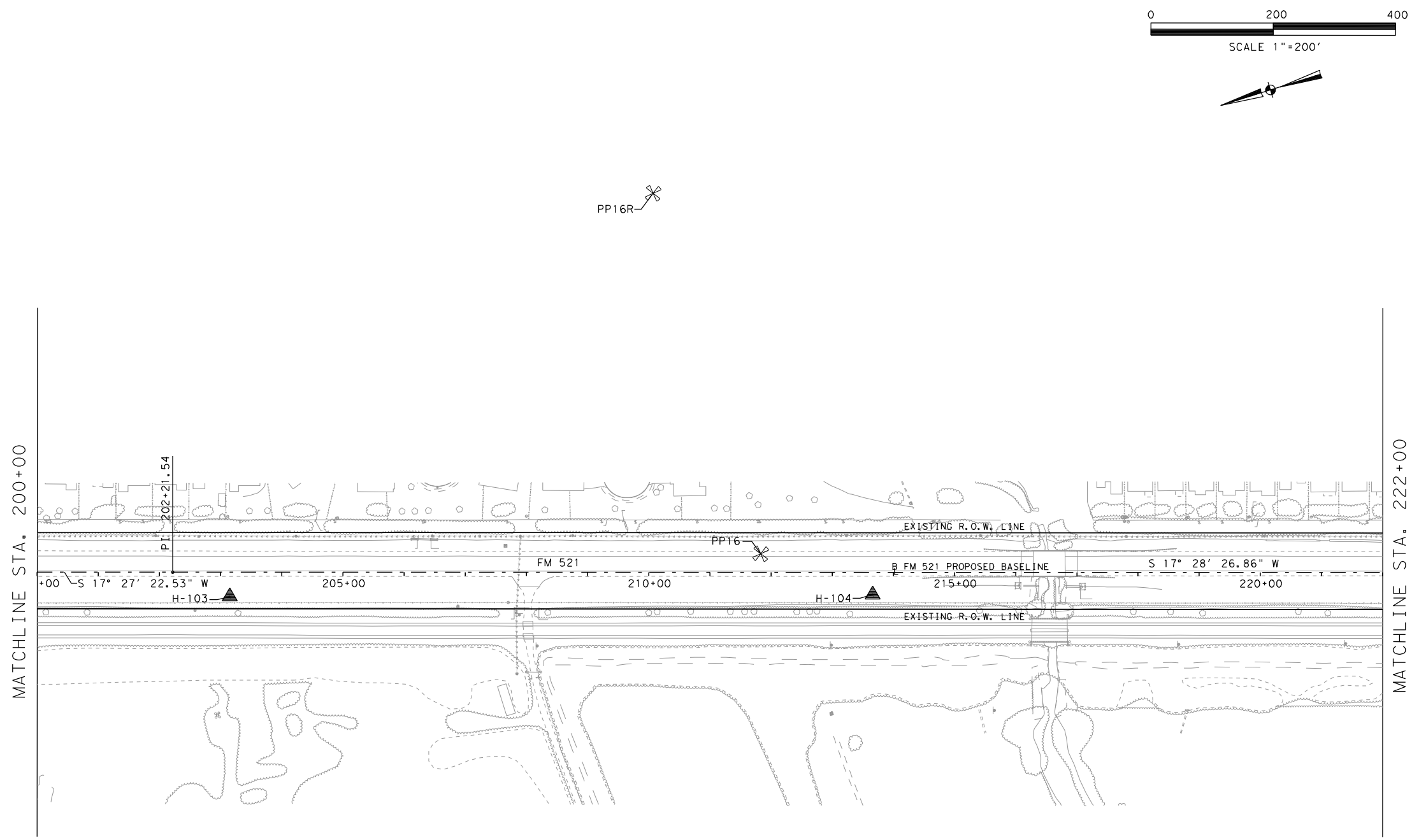

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-102	H-103	S 17° 54' 31" W	1,053.50
H-103	H-104	S 17° 17' 00" W	1,051.44
H-104	H-105	S 17° 23' 41" W	1,053.01

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-103	13,773,738.59	3,101,455.84	62.24'	203+14.84	39.86'R	SET5/8IRW/ALUMCAPINCONC
H-104	13,772,734.63	3,101,143.46	62.63'	213+66.27	36.36'R	SET5/8IRW/ALUMCAPINCONC
PP16	13,772,889.23	3,101,262.28	63.51'	211+83.12	30.55'L	SET MAG NAIL
PP16R	13,772,880.16	3,101,877.51	60.63'	210+07.04	620.11'L	SET MAG NAIL

NOTES:

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THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER, 2015

RODS
Surveying, Inc.
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TBPLS FIRM REGISTRATION No. 10030700

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FM 521
SURVEY CONTROL
INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				17
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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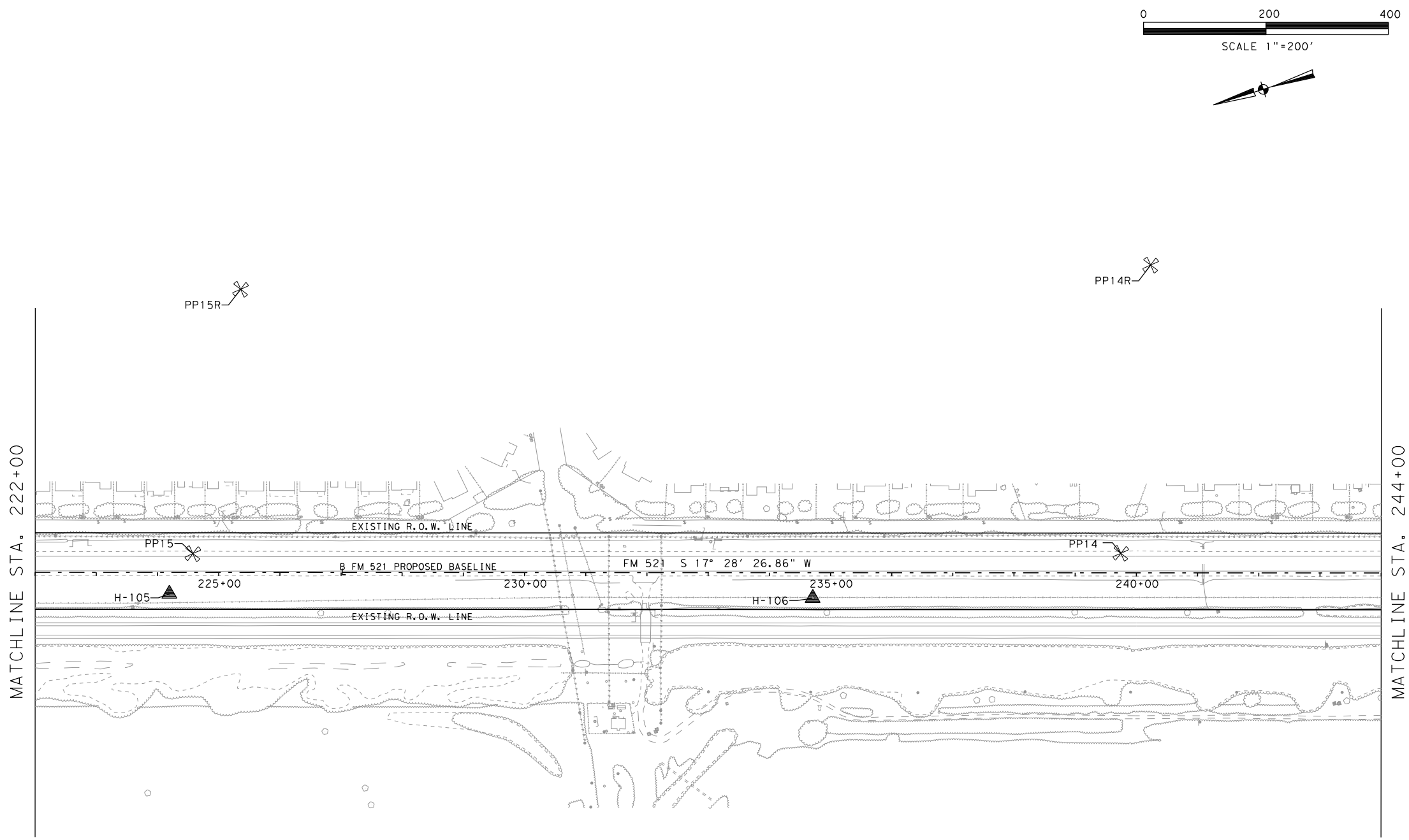

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-104	H-105	S 17° 23' 41" W	1,053.01
H-105	H-106	S 17° 50' 39" W	1,051.63
H-106	H-107	S 17° 19' 53" W	1,051.43

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-105	13,771,729.78	3,100,828.66	62.85'	224+19.27	34.90'R	SET5/8IRW/ALUMCAPINCONC
H-106	13,770,728.74	3,100,506.41	64.79'	234+70.88	41.70'R	SET5/8IRW/ALUMCAPINCONC
PP14	13,770,226.44	3,100,425.37	64.03'	239+74.34	31.83'L	SET MAG NAIL
PP15	13,771,673.34	3,100,879.66	63.78'	224+57.80	30.69'L	SET MAG NAIL
PP14R	13,770,038.58	3,100,860.12	61.86'	240+22.98	502.93'L	SET MAG NAIL
PP15R	13,771,469.28	3,101,268.60	61.65'	225+35.65	462.96'L	SET MAG NAIL

NOTES:

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SURVEY CONTROL INDEX SHEET

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SEE COVER SHEET				18
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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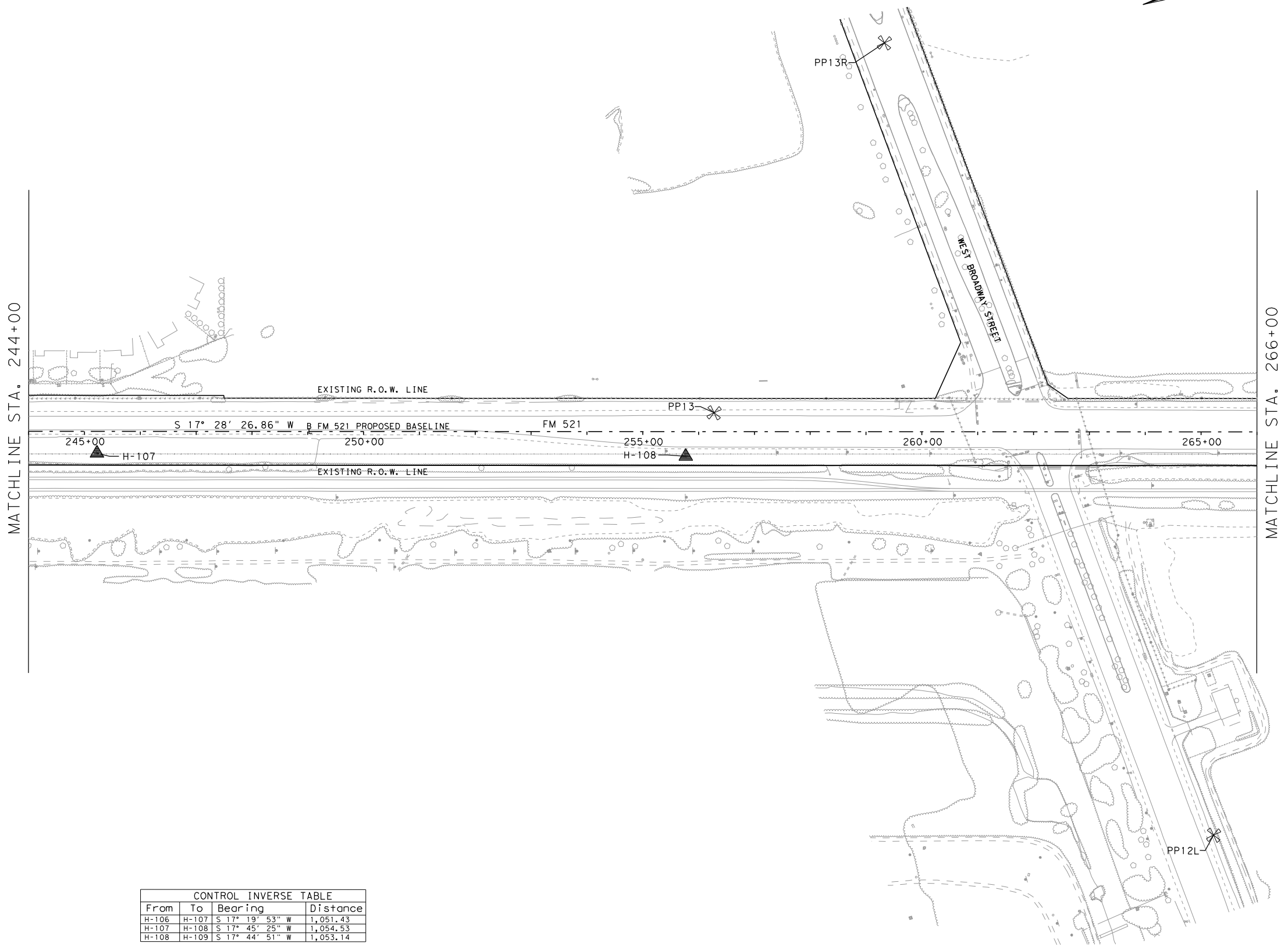

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-106	H-107	S 17° 19' 53" W	1,051.43
H-107	H-108	S 17° 45' 25" W	1,054.53
H-108	H-109	S 17° 44' 51" W	1,053.14

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-107	13,769,725.05	3,100,193.19	64.49'	245+22.31	39.08'R	SET5/8IRW/ALUMCAPINCONC
H-108	13,768,720.76	3,099,871.58	64.56'	255+76.82	44.28'R	SET5/8IRW/ALUMCAPINCONC
PP13	13,768,648.86	3,099,930.73	64.63'	256+27.64	33.73'L	SET MAG NAIL
PP12L	13,768,022.31	3,098,940.59	63.76'	265+22.59	722.58'R	SET 5/8" IR & PANEL
PP13R	13,768,159.02	3,100,471.40	64.96'	259+32.53	696.53'L	SET MAG NAIL

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FM 521
SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				19
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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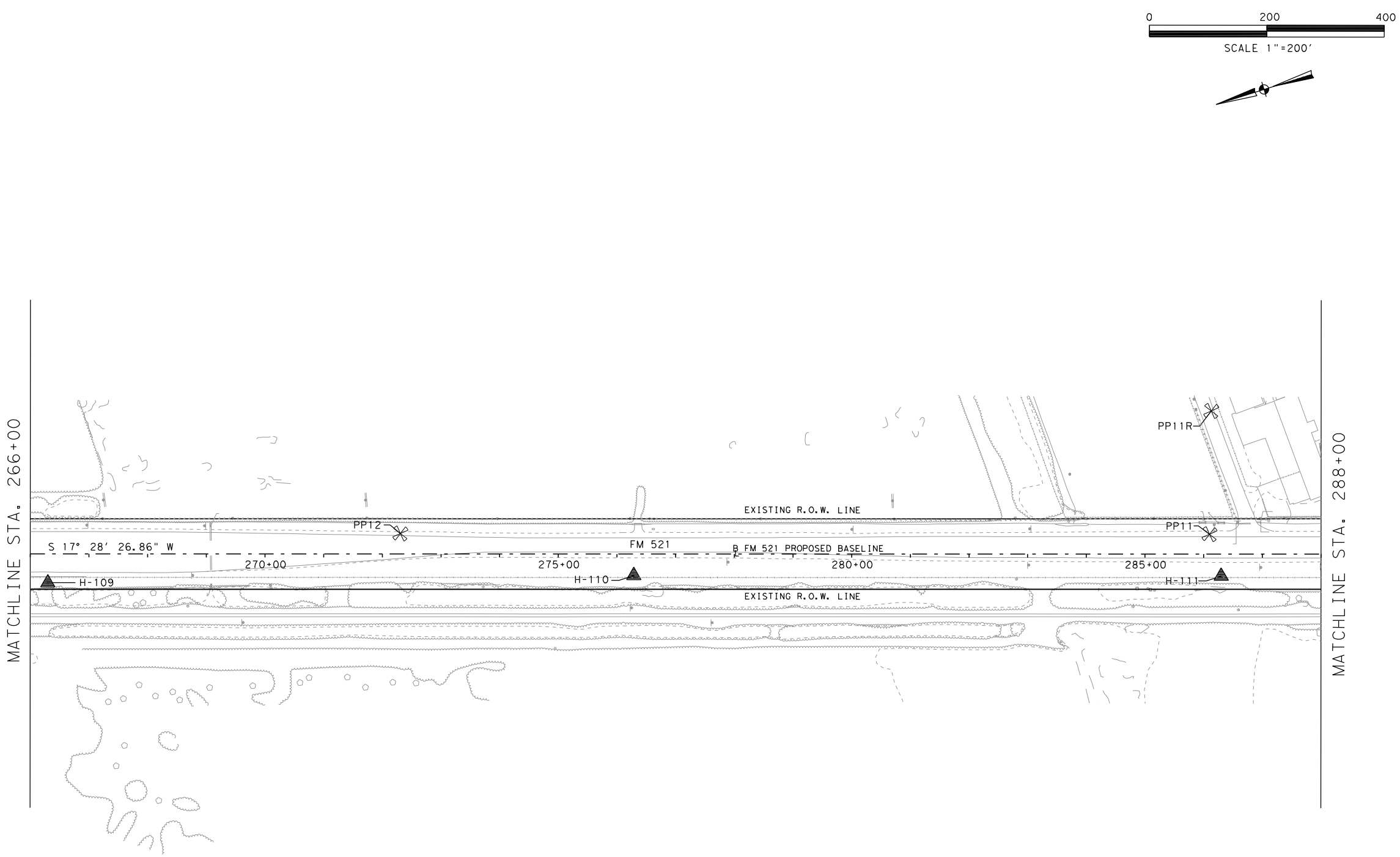

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-108	H-109	S 17° 44' 51" W	1,053.14
H-109	H-110	S 16° 44' 55" W	998.74
H-110	H-111	S 17° 30' 57" W	1,001.14
H-111	H-112	S 16° 52' 09" W	1,005.98

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-109	13,767,717.74	3,099,550.56	64.73'	266+29.95	49.31'R	SET5/8IRW/ALUMCAPINCONC
H-110	13,766,761.37	3,099,262.75	66.43'	276+28.61	36.66'R	SET5/8IRW/ALUMCAPINCONC
H-111	13,765,806.65	3,098,961.44	67.84'	286+29.75	37.39'R	SET5/8IRW/ALUMCAPINCONC
PP11	13,765,804.08	3,099,035.51	66.03'	286+09.96	34.04'L	SET MAG NAIL
PP12	13,767,119.30	3,099,450.27	65.44'	272+30.89	34.73'L	SET MAG NAIL
PP11R	13,765,738.28	3,099,234.86	65.27'	286+12.86	243.94'L	SET "X" IN CONC

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FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				20
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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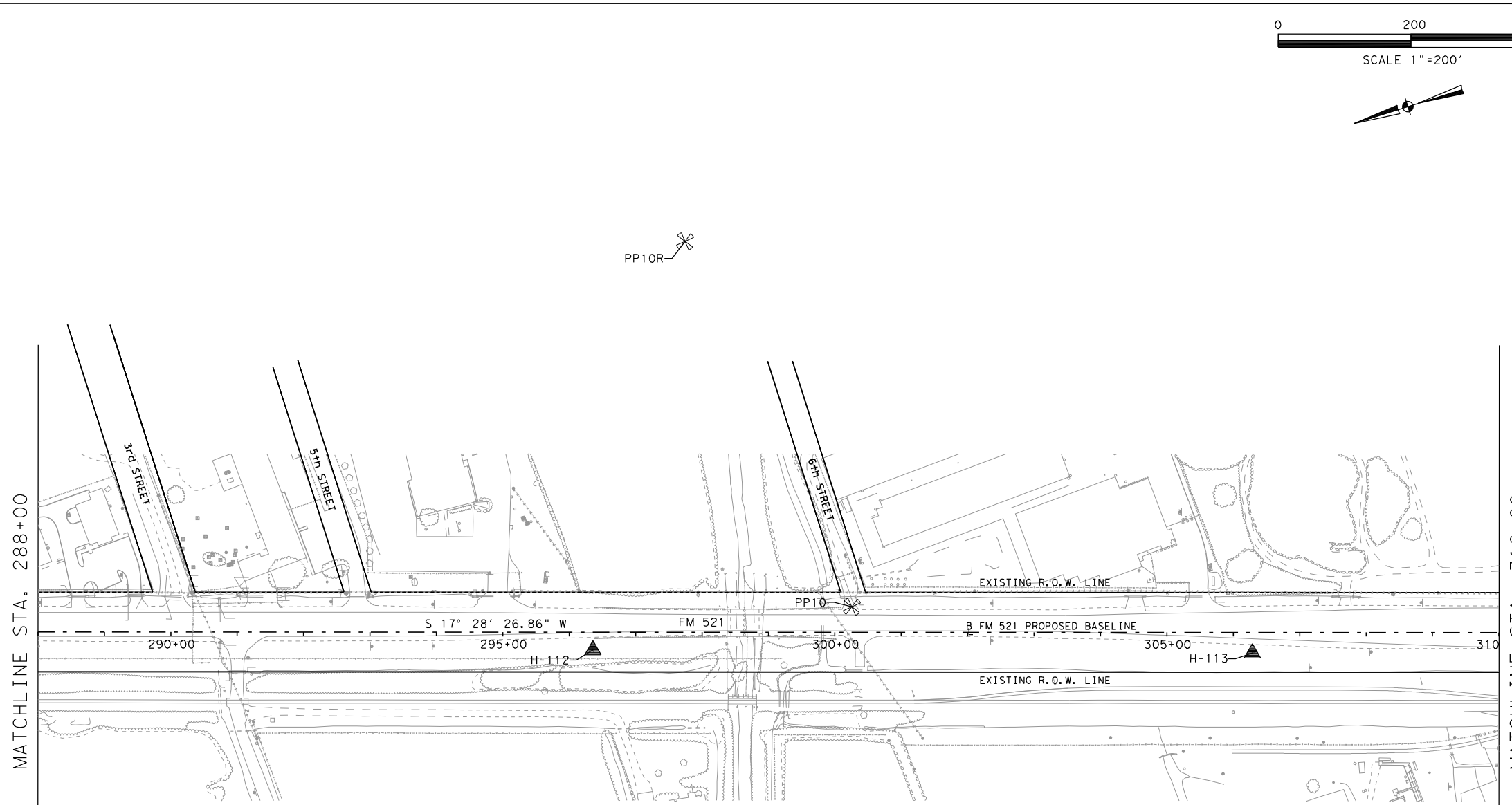

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-111	H-112	S 16° 52' 09" W	1,005.98
H-112	H-113	S 17° 43' 19" W	992.97
H-113	H-114	S 17° 48' 04" W	992.66

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-112	13,764,843.96	3,098,669.52	69.04'	296+35.67	26.76'R	SET5/8IRW/ALUMCAPINCONC
H-113	13,763,898.11	3,098,367.26	68.64'	306+28.63	31.06'R	SET5/8IRW/ALUMCAPINCONC
PP10	13,764,452.58	3,098,614.75	70.44'	300+25.43	38.51'L	SET MAG NAIL
PP11L	13,765,357.04	3,098,233.31	67.80'	292+77.25	596.91'R	SET MAG NAIL
PP10R	13,764,526.93	3,099,215.39	71.43'	297+74.16	589.11'L	SET MAG NAIL

NOTES:

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SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
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6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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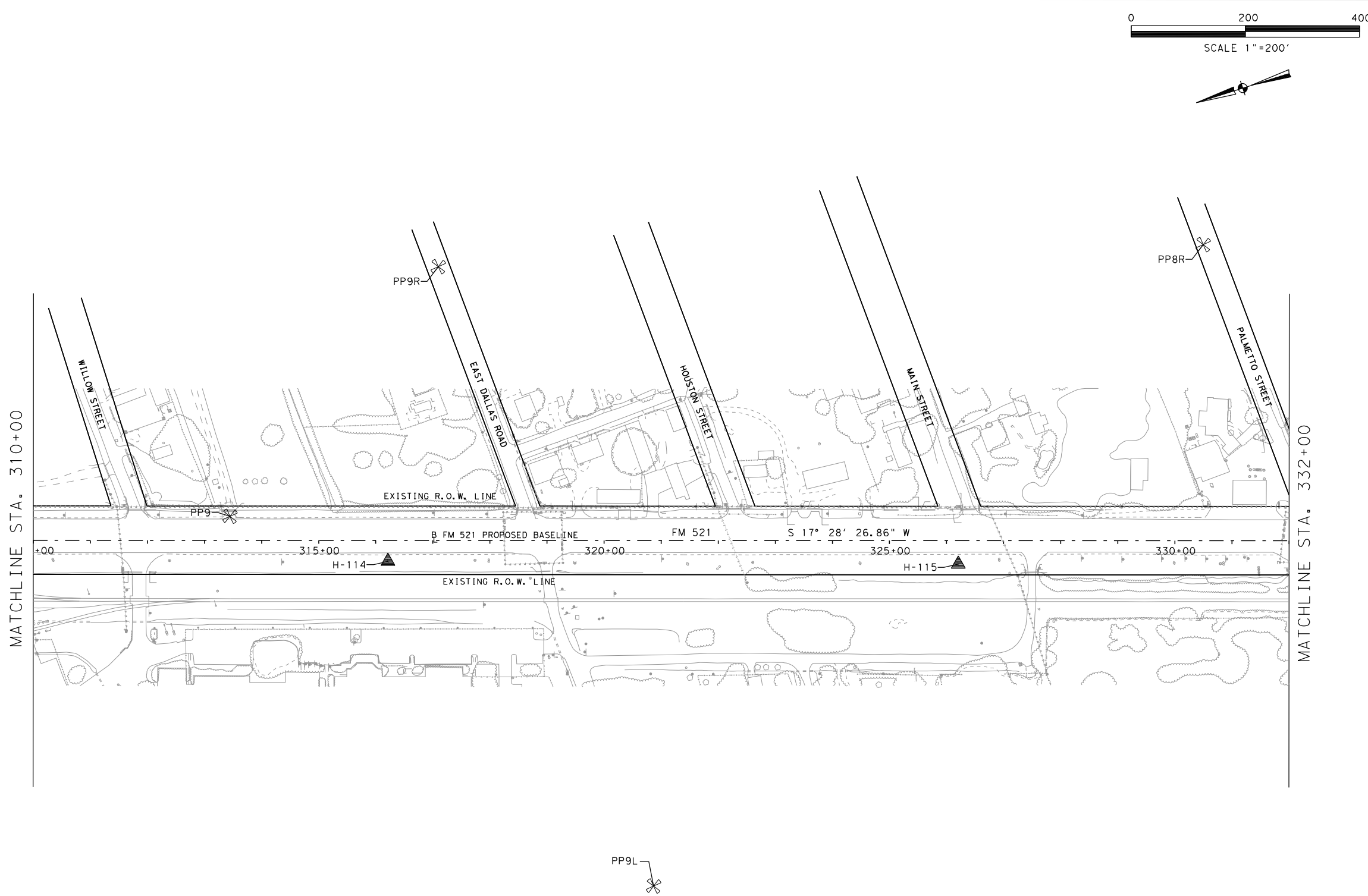

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-113	H-114	S 17° 48' 04" W	992.66
H-114	H-115	S 17° 43' 53" W	999.23
H-115	H-116	S 17° 42' 06" W	1,046.24

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-114	13,762,952.97	3,098,063.79	70.01'	316+21.28	36.72'R	SET5/8IRW/ALUMCAPINCONC
H-115	13,762,001.21	3,097,759.47	71.08'	326+20.50	41.21'R	SET5/8IRW/ALUMCAPINCONC
PP9	13,763,193.19	3,098,222.03	70.30'	313+44.63	42.08'L	SET MAG NAIL
PP9L	13,762,679.72	3,097,381.26	70.55'	320+86.87	605.71'R	SET MAG NAIL
PP8R	13,761,423.92	3,098,164.74	70.25'	330+49.46	518.70'L	SET MAG NAIL
PP9R	13,762,713.77	3,098,529.86	71.54'	317+09.49	479.66'L	SET MAG NAIL

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SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				22
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

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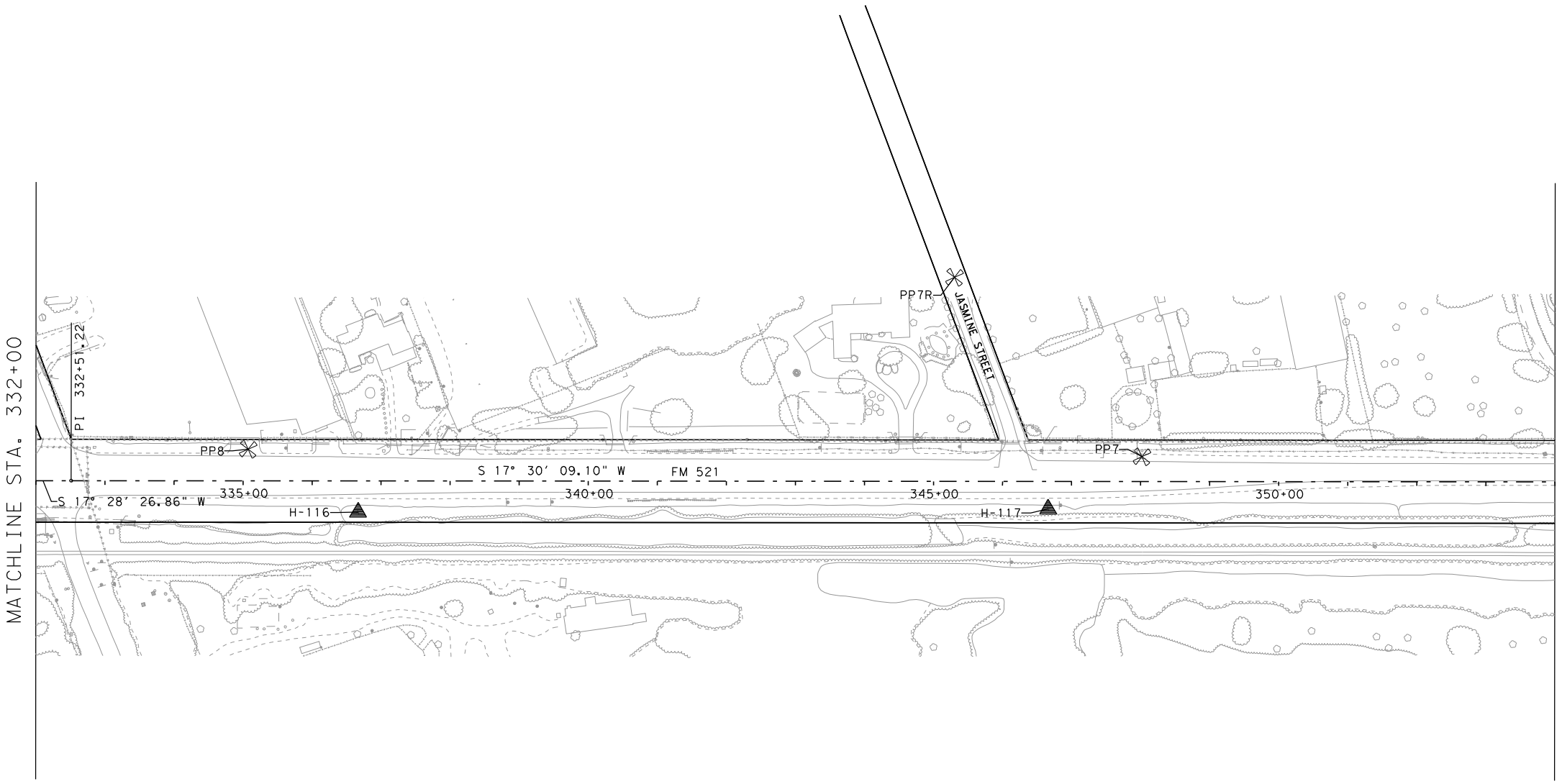

PP8L

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-115	H-116	S 17° 42' 06" W	1,046.24
H-116	H-117	S 17° 11' 06" W	999.32
H-117	H-118	S 17° 02' 15" W	1,077.61

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-116	13,761,004.51	3,097,441.35	70.03'	336+66.75	45.16'R	SET5/8IRW/ALUMCAPINCONC
H-117	13,760,049.80	3,097,146.09	69.12'	346+66.06	39.62'R	SET5/8IRW/ALUMCAPINCONC
PP7	13,759,897.51	3,097,177.37	69.95'	348+01.89	36.01'L	SET MAG NAIL
PP8	13,761,129.13	3,097,575.96	71.26'	335+07.41	45.74'L	SET MAG NAIL
PP8L	13,761,353.17	3,096,805.71	70.48'	335+25.40	756.23'R	SET 60D NAIL
PP7R	13,760,078.55	3,097,506.67	69.48'	345+30.20	295.62'L	SET MAG NAIL

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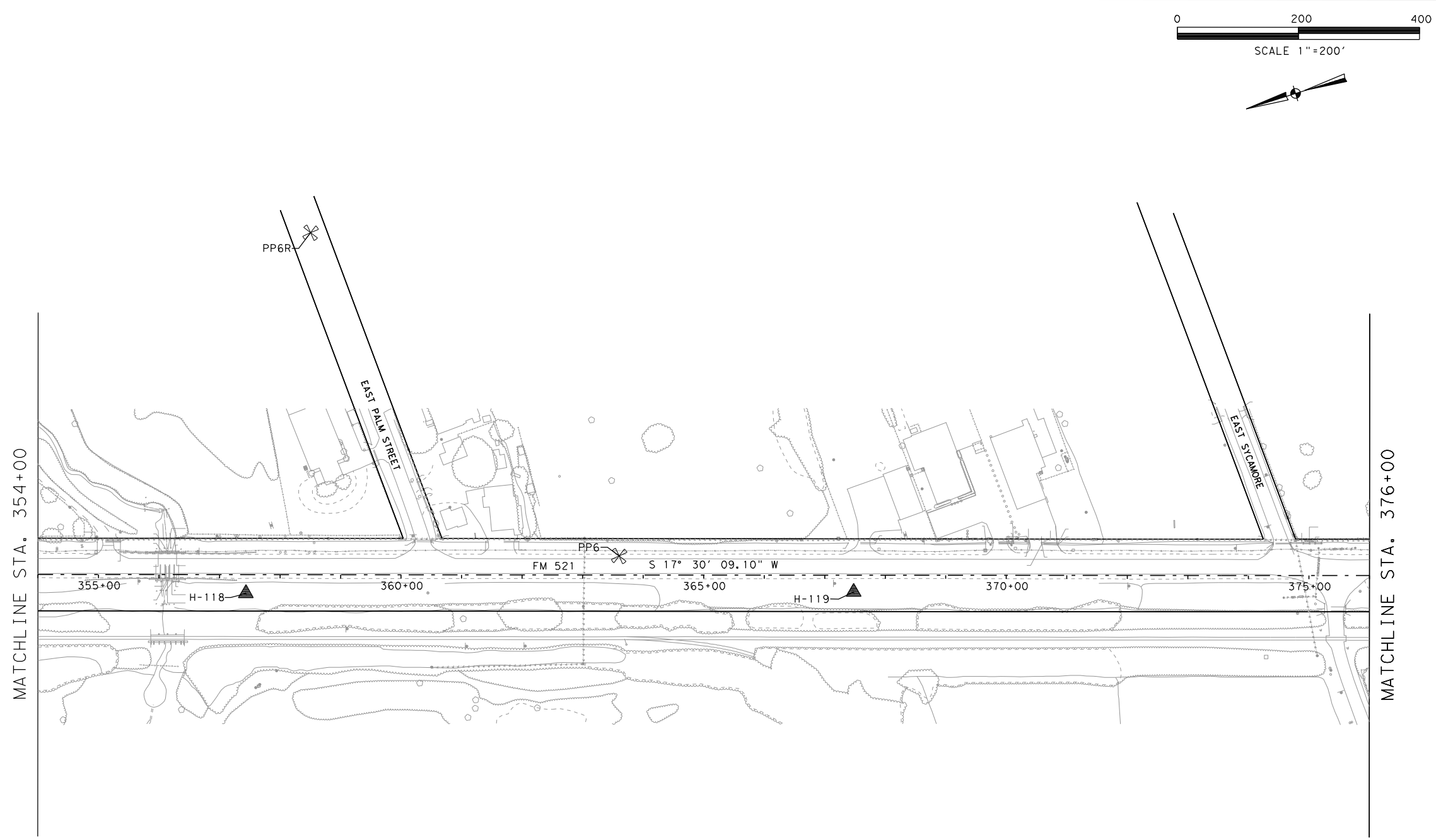
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET9.dgn



CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-117	H-118	S 17° 02' 15" W	1,077.61
H-118	H-119	S 17° 19' 51" W	1,004.11
H-119	H-120	S 17° 33' 21" W	1,013.74

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-118	13,759,019.48	3,096,830.35	70.28'	357+43.64	30.88'R	SET5/8IRW/ALUMCAPINCONC
H-119	13,758,060.96	3,096,531.24	70.53'	367+47.74	27.87'R	SET5/8IRW/ALUMCAPINCONC
PP6	13,758,412.64	3,096,704.32	70.08'	363+60.29	31.43'L	SET MAG NAIL
PP6R	13,758,738.83	3,097,366.69	70.40'	358+49.99	565.03'L	SET MAG NAIL

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED WITH DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER, 2015

RODS
Surveying, Inc.
Control
Infrastructure
Transportation
Land Development
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SPRING, TEXAS 77379
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FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700

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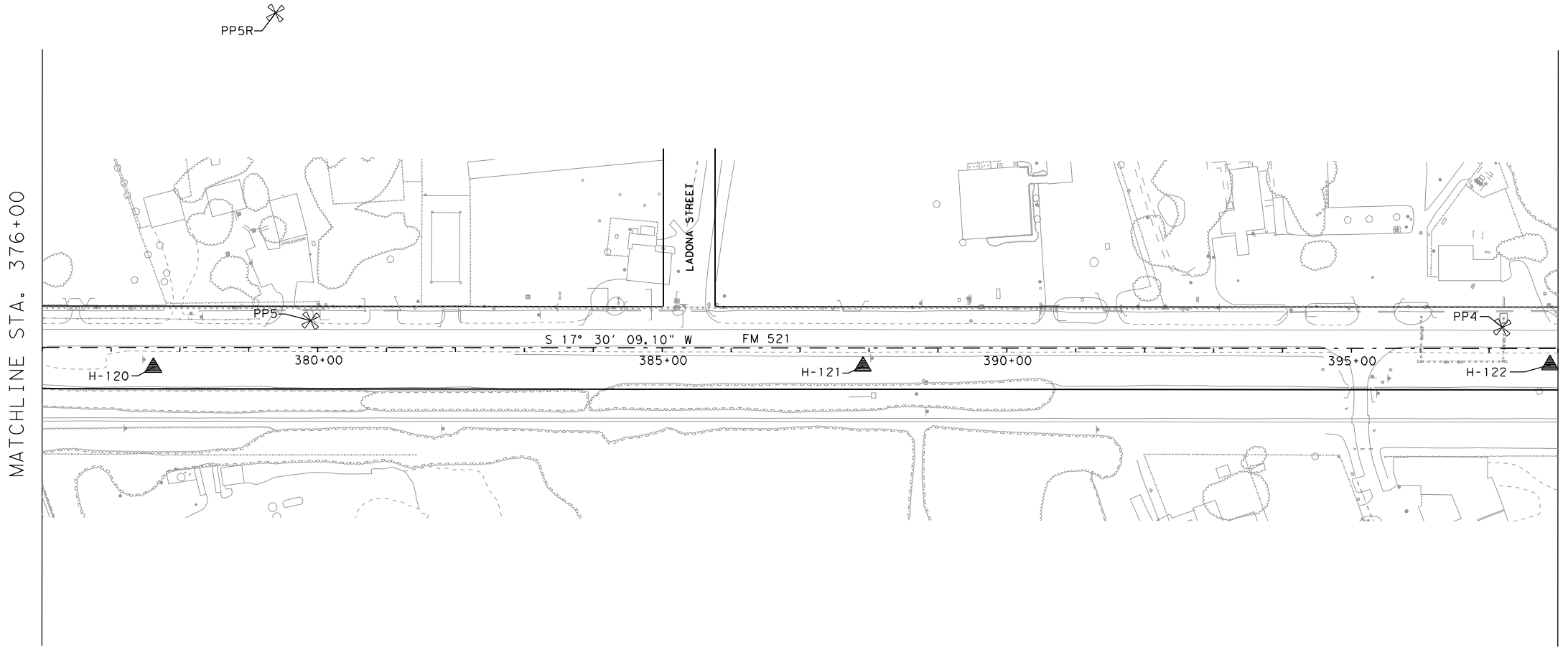
Texas Department of Transportation

FM 521
SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				24
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\213220O2\CAD\H&V Control\H&V INDEX_ SHEET10.dgn



0 200 400

SCALE 1"=200'

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

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CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-119	H-120	S 17° 33' 21" W	1,013.74
H-120	H-121	S 17° 22' 12" W	1,029.74
H-121	H-122	S 17° 20' 05" W	997.10
H-122	H-123	S 17° 53' 59" W	1,008.94

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-120	13,757,094.44	3,096,225.46	70.74'	377+61.47	28.81'R	SET5/8IRW/ALUMCAPINCONC
H-121	13,756,111.66	3,095,918.04	68.47'	387+91.21	26.43'R	SET5/8IRW/ALUMCAPINCONC
H-122	13,755,159.85	3,095,620.95	66.78'	397+88.30	23.51'R	SET5/8IRW/ALUMCAPINCONC
PP4	13,755,209.45	3,095,693.51	67.49'	397+19.18	30.77'L	SET MAG NAIL
PP4R	13,754,973.04	3,096,348.15	66.94'	397+47.81	726.20'L	SET MAG NAIL
PP5	13,756,856.32	3,096,221.77	69.89'	379+89.68	39.28'L	SET MAG NAIL
PP4L	13,755,439.00	3,095,149.26	68.45'	396+63.94	557.32'R	SET MAG NAIL
PP5L	13,757,338.52	3,095,809.72	71.12'	376+53.73	498.71'R	FND 1/2" IR IN CONC
PP5R	13,756,771.17	3,096,662.62	71.51'	379+38.30	485.33'L	SET MAG NAIL

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Control Infrastructure Transportation Land Development

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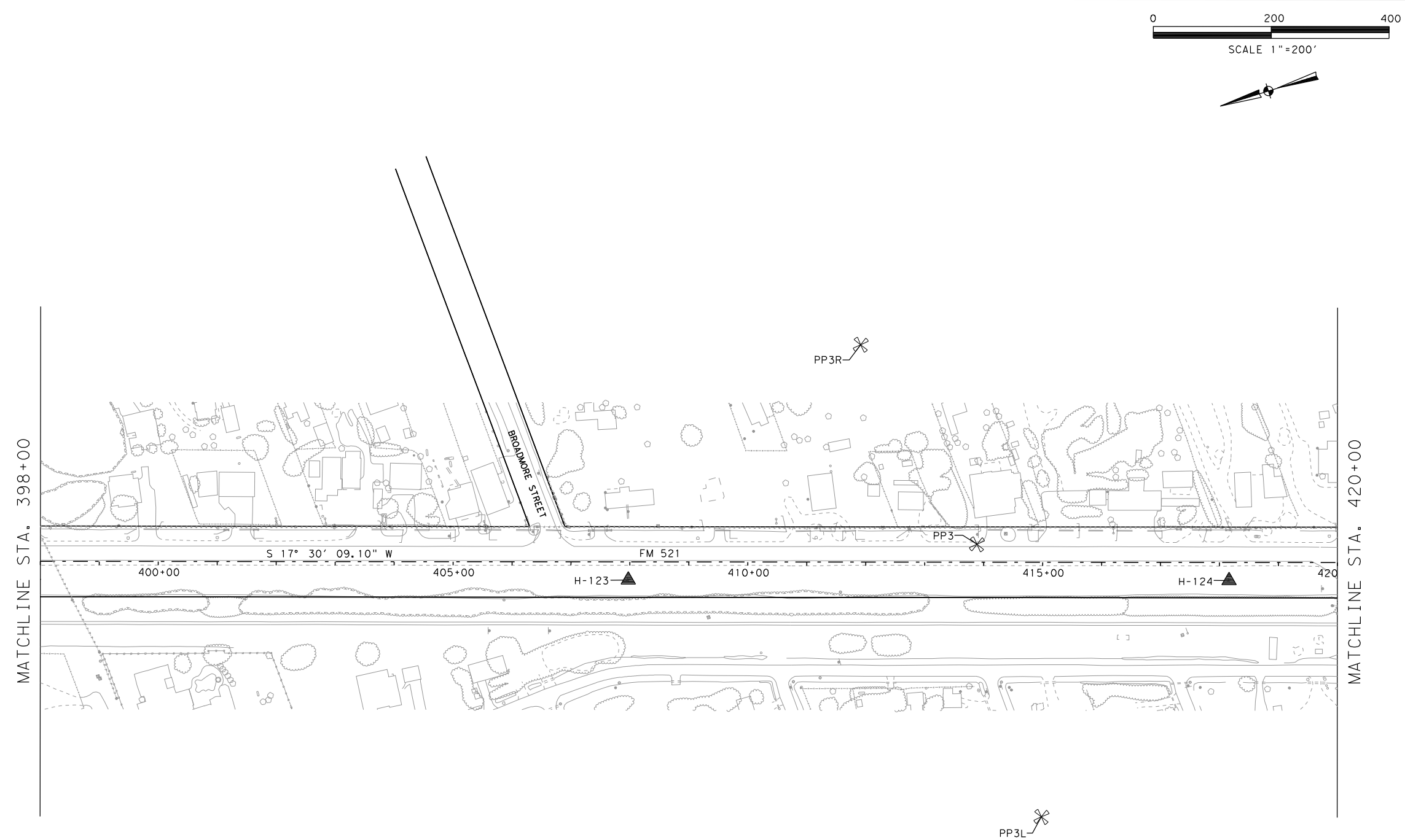
Texas Department of Transportation

FM 521 SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				25
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET11.dgn



NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED WITH DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

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STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

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Survey Date: DECEMBER, 2015

CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-122	H-123	S 17° 53' 59" W	1,008.94
H-123	H-124	S 17° 30' 52" W	1,018.96
H-124	H-125	S 18° 17' 55" W	990.06

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-123	13,754,199.75	3,095,310.85	66.53'	407+97.22	30.51'R	SET5/8IRW/ALUMCAPINCONC
H-124	13,753,228.03	3,095,004.20	66.40'	418+16.17	30.72'R	SET5/8IRW/ALUMCAPINCONC
PP3	13,753,617.46	3,095,191.11	66.72'	413+88.56	30.42'L	SET MAG NAIL
PP3L	13,753,651.95	3,094,716.98	67.54'	414+98.26	432.14'R	SET MAG NAIL
PP3R	13,753,703.89	3,095,573.24	66.13'	411+91.21	368.86'L	SET MAG NAIL

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FM 521 SURVEY CONTROL INDEX SHEET

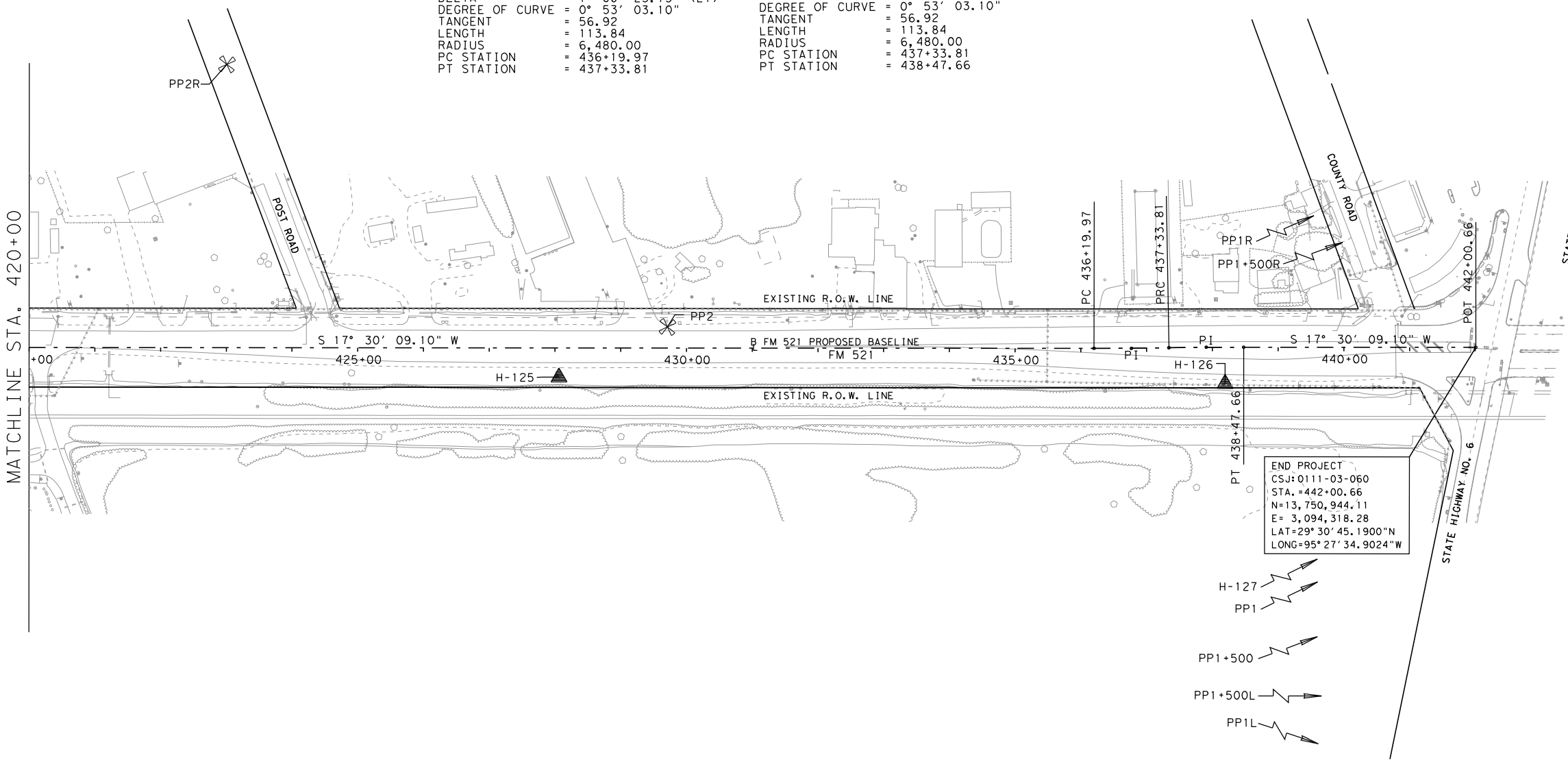
FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				26
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET12.dgn

0 200 400

SCALE 1"=200'

PI STATION	= 436+76.89	PI STATION	= 437+90.74
DELTA	= 1° 00′ 23.75" (LT)	DELTA	= 1° 00′ 23.75" (RT)
DEGREE OF CURVE	= 0° 53′ 03.10"	DEGREE OF CURVE	= 0° 53′ 03.10"
TANGENT	= 56.92	TANGENT	= 56.92
LENGTH	= 113.84	LENGTH	= 113.84
RADIUS	= 6,480.00	RADIUS	= 6,480.00
PC STATION	= 436+19.97	PC STATION	= 437+33.81
PT STATION	= 437+33.81	PT STATION	= 438+47.66



CONTROL INVERSE TABLE			
From	To	Bearing	Distance
H-124	H-125	S 18° 17′ 55" W	990.06
H-125	H-126	S 18° 10′ 00" W	1,013.40
H-126	H-127	S 10° 25′ 23" W	913.52

CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-125	13,752,288.03	3,094,693.35	64.61′	428+06.14	44.48′R	SET5/8IRW/ALUMCAPINCCNC
H-126	13,751,324.32	3,094,379.91	64.30′	438+19.27	55.51′R	SET5/8IRW/ALUMCAPINCCNC
H-127	13,750,425.87	3,094,214.64	63.57′	Off Chain	Off Chain	SET5/8IRW/ALUMCAPINCCNC
PP1	13,750,393.13	3,094,183.78	64.45′	Off Chain	Off Chain	SET MAG NAIL
PP1L	13,750,922.97	3,093,435.11	65.74′	Off Chain	Off Chain	SET MAG NAIL
PP1R	13,750,007.91	3,094,711.26	63.92′	Off Chain	Off Chain	SET MAG NAIL
PP1+500	13,749,964.12	3,094,041.87	64.01′	Off Chain	Off Chain	SET MAG NAIL
PP1+500L	13,749,203.32	3,093,195.22	62.52′	Off Chain	Off Chain	SET MAG NAIL
PP1+500R	13,749,649.26	3,094,595.13	63.26′	Off Chain	Off Chain	SET MAG NAIL
PP2	13,752,107.64	3,094,716.62	65.80′	429+71.18	31.97′L	SET MAG NAIL
PP2R	13,752,627.13	3,095,298.58	65.95′	423+00.72	430.75′L	SET MAG NAIL

CONTROL DEFERENT TABLE									
Control Name	Published (NAD83) Coordinate Information			Measured (NAD83) Coordinate Information			Deferent (Published - Measured)		
	N. Coord.	E. Coord.	Elev.	N. Coord.	E. Coord.	Elev.	N. Coord.	E. Coord.	Elev.*
H-1	13,781,809.67	3,103,967.45	54.73	13,781,809.65	3,103,967.42	54.34	0.02	0.03	0.39
H-2	13,780,755.60	3,103,630.81	57.35	13,780,755.55	3,103,630.81	57.11	0.05	0.00	0.24
H-3	13,779,700.35	3,103,360.79	59.28	13,779,700.27	3,103,360.80	58.96	0.08	-0.01	0.32
H-4	13,778,697.28	3,103,033.30	60.41	13,778,697.24	3,103,033.28	60.05	0.04	0.02	0.36
H-5	13,777,614.71	3,102,693.03	60.32	13,777,614.69	3,102,693.01	59.98	0.02	0.02	0.34
H-7	13,774,974.38	3,102,086.96	60.79	13,774,974.33	3,102,087.05	60.32	0.05	-0.09	0.47

Notes:

1. Published and measured values are displayed in NAD83 (grid) values as field surveyed. Measured values are based on redundant GPS VRS observations. For Project coordinates and elevations refer to the Control Monument Data Tables located on each control index sheet.

2. * Elevation residuals are due to the difference in vertical datums: Published elevations are based on Tropical Storm Allison Recovery Prjoect (TSARP) datum, being NAVD88 (2001 Adj. TSARP). Measured values are based on NAVD88 (Geoid Model 12A).

NOTES:

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Survey Date: DECEMBER, 2015

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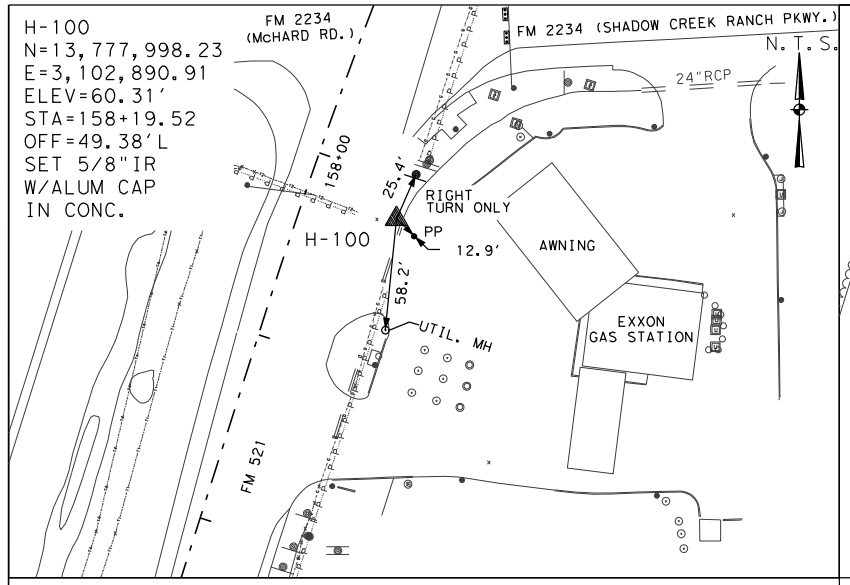
FM 521
SURVEY CONTROL INDEX SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				27
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

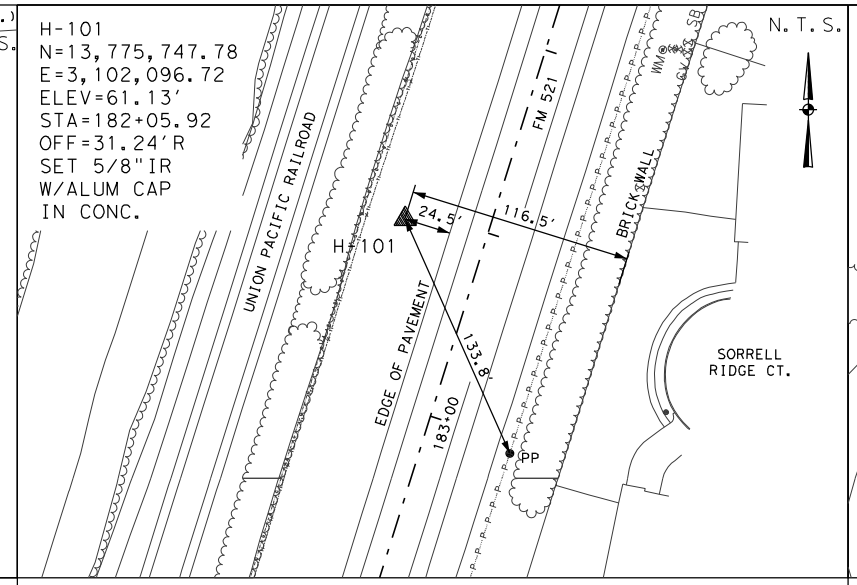
N:\LJA 339\2132002\CAD\H&V Control\H&V INDEX_ SHEET13.dgn

H-100
N=13,777,998.23
E=3,102,890.91
ELEV=60.31'
STA=158+19.52
OFF=49.38'L
SET 5/8"IR
W/ALUM CAP
IN CONC.



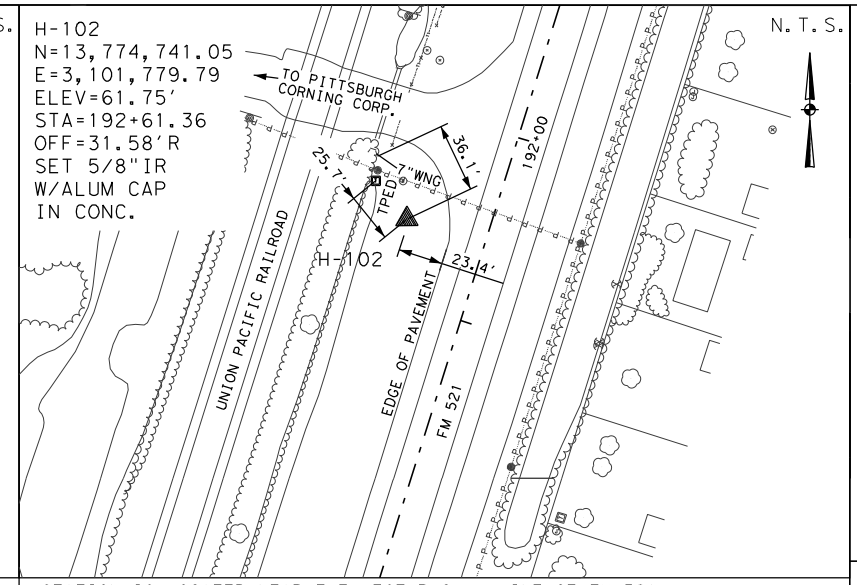
STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 130 FEET SOUTH OF THE INTERSECTION OF FM 2234 AND FM 521, AND 18 FEET NORTH OF THE FIRST ENTRANCE INTO THE EXXON GAS STATION.

H-101
N=13,775,747.78
E=3,102,096.72
ELEV=61.13'
STA=182+05.92
OFF=31.24'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



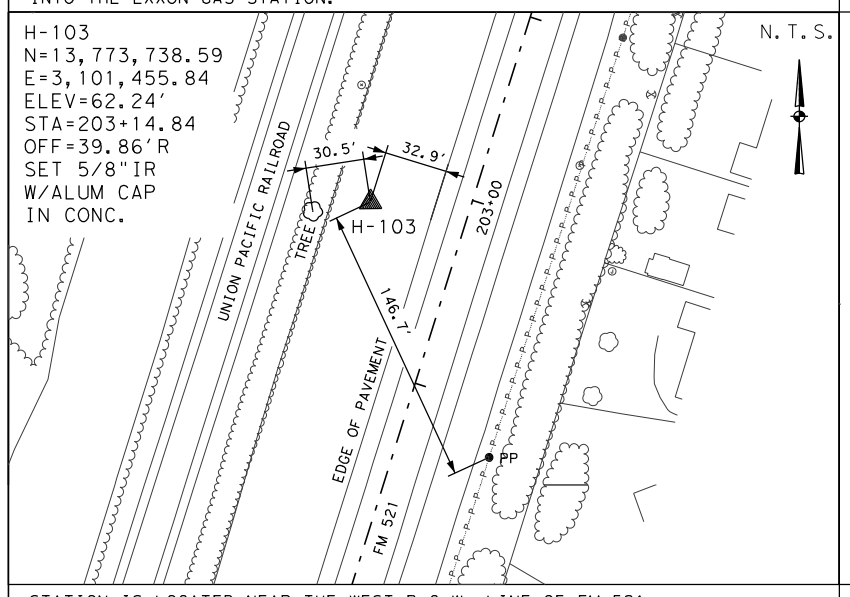
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.21 MILE SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-102
N=13,774,741.05
E=3,101,779.79
ELEV=61.75'
STA=192+61.36
OFF=31.58'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



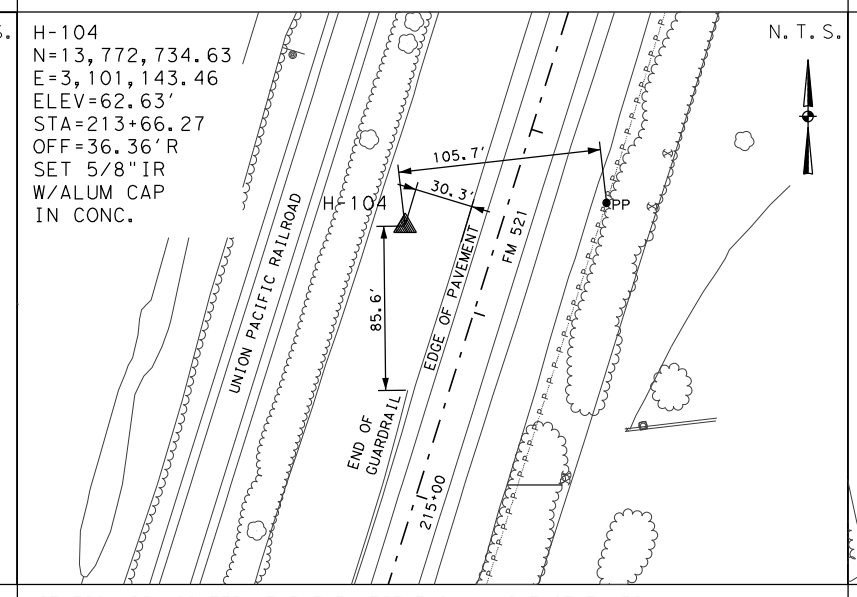
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.41 MILE SOUTH OF THE CENTERLINE OF WORTH STREET AND DIRECTLY SOUTH OF ENTRANCE OF PITTSBURGH CORNING CORPORATION.

H-103
N=13,773,738.59
E=3,101,455.84
ELEV=62.24'
STA=203+14.84
OFF=39.86'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



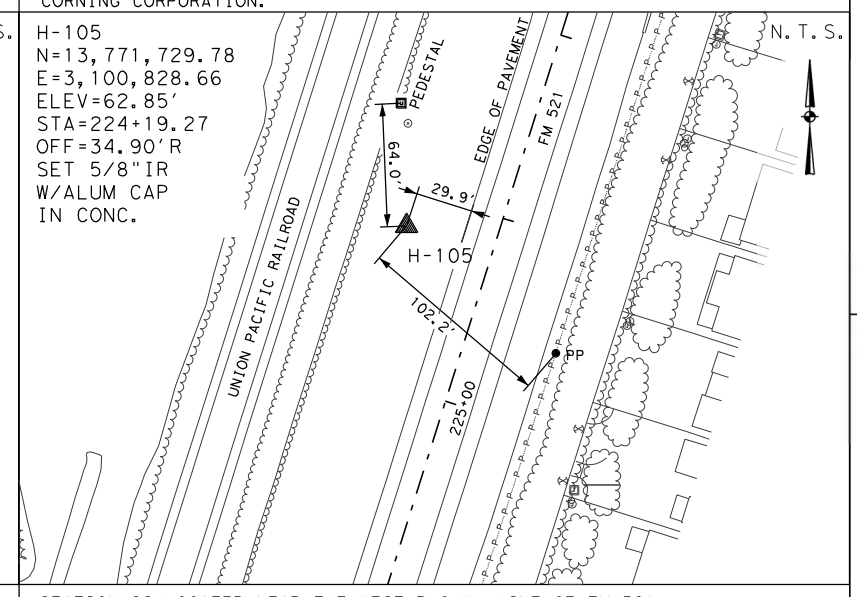
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 1.11 MILES NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET, AND 0.61 MILE SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-104
N=13,772,734.63
E=3,101,143.46
ELEV=62.63'
STA=213+66.27
OFF=36.36'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



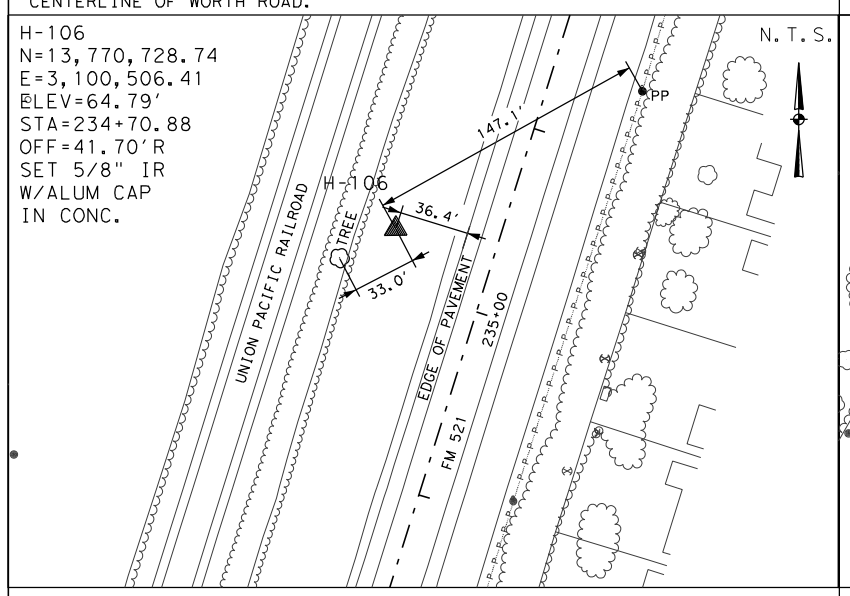
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.92 MILE NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET AND 0.81 MILE SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-105
N=13,771,729.78
E=3,100,828.66
ELEV=62.85'
STA=224+19.27
OFF=34.90'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



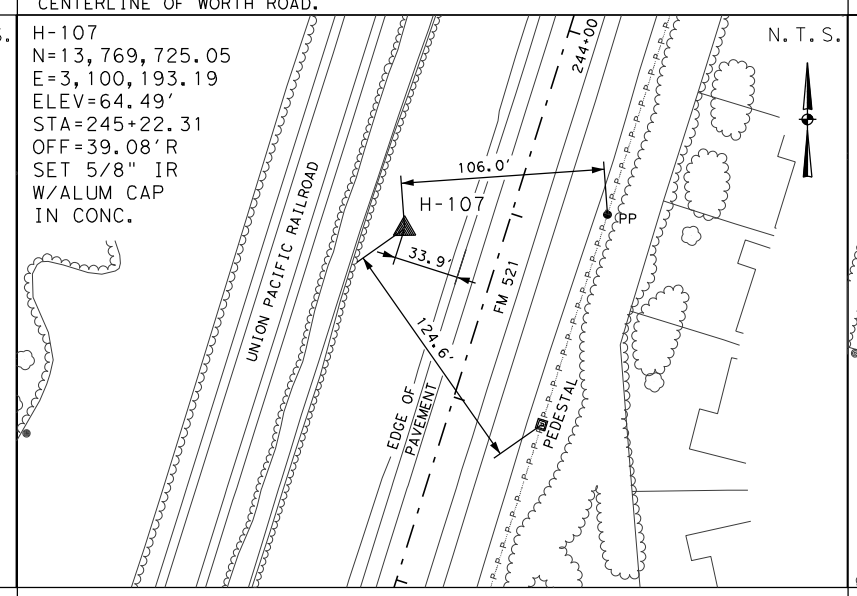
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.72 MILE NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET AND 1.00 MILE SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-106
N=13,770,728.74
E=3,100,506.41
ELEV=64.79'
STA=234+70.88
OFF=41.70'R
SET 5/8" IR
W/ALUM CAP
IN CONC.



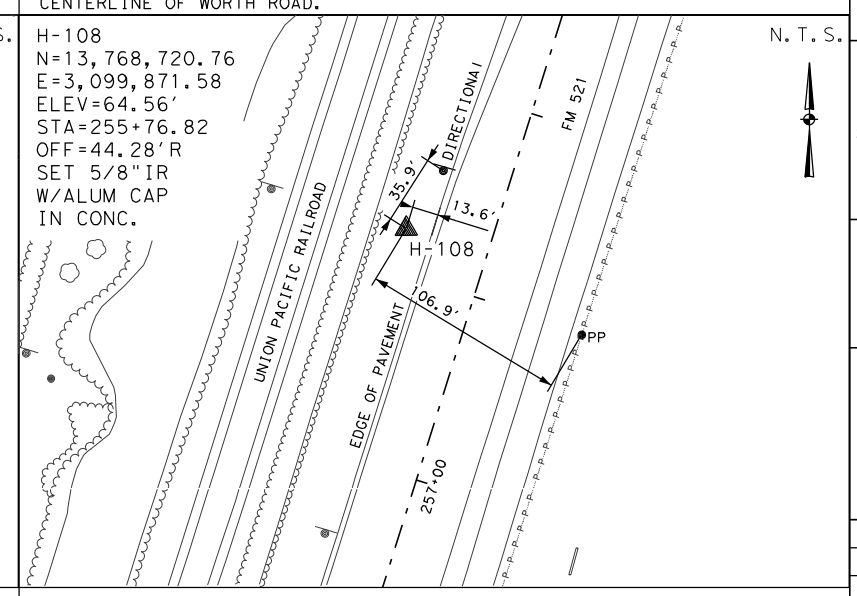
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.52 MILE NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET AND 1.20 MILES SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-107
N=13,769,725.05
E=3,100,193.19
ELEV=64.49'
STA=245+22.31
OFF=39.08'R
SET 5/8" IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.32 MILE NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET AND 1.40 MILES SOUTH OF THE CENTERLINE OF WORTH ROAD.

H-108
N=13,768,720.76
E=3,099,871.58
ELEV=64.56'
STA=255+76.82
OFF=44.28'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.12 MILE NORTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
Control Infrastructure Transportation Land Development
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700

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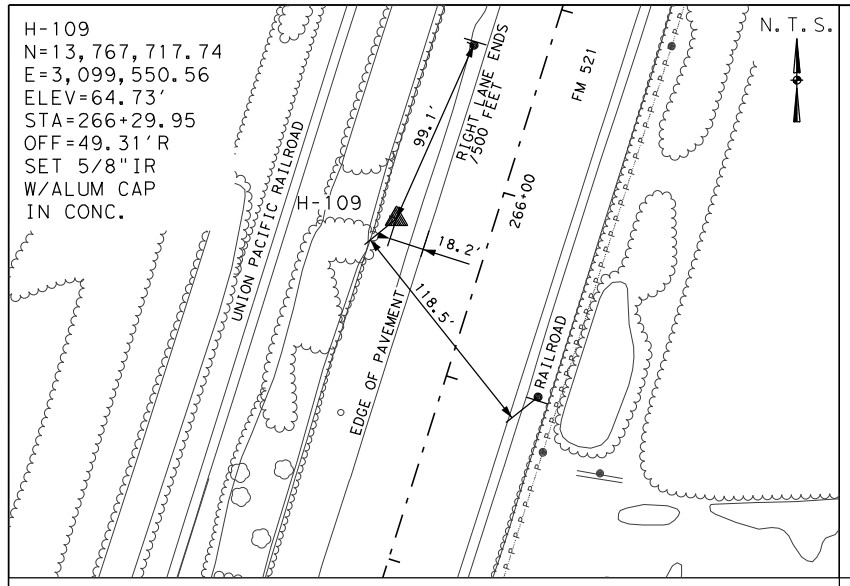
FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				28
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

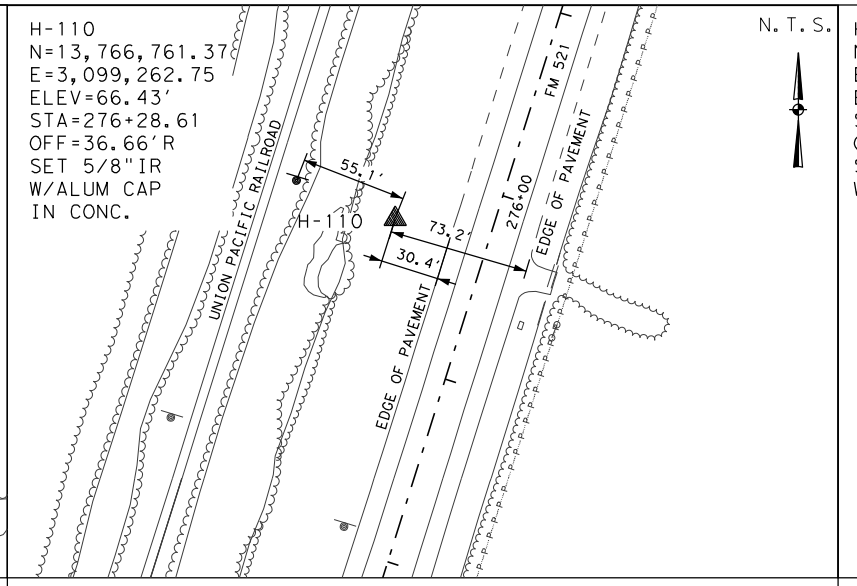
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN

H-109
N=13,767,717.74
E=3,099,550.56
ELEV=64.73'
STA=266+29.95
OFF=49.31'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



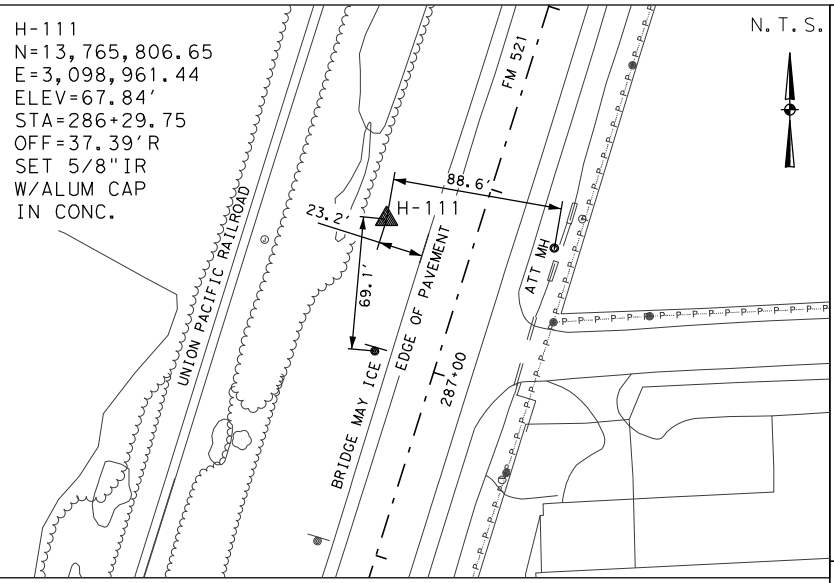
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.08 MILE SOUTH OF THE INTERSECTION OF FM 521 AND BROADWAY STREET.

H-110
N=13,766,761.37
E=3,099,262.75
ELEV=66.43'
STA=276+28.61
OFF=36.66'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.26 MILE SOUTH OF THE CENTERLINE OF BROADWAY STREET AND 0.26 MILE NORTH OF THE CENTERLINE OF 3RD STREET.

H-111
N=13,765,806.65
E=3,098,961.44
ELEV=67.84'
STA=286+29.75
OFF=37.39'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.07 MILE NORTH OF THE CENTERLINE OF 3RD STREET AND 0.24 MILE NORTH OF THE CENTER OF BRIDGE AT CLEAR CREEK.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

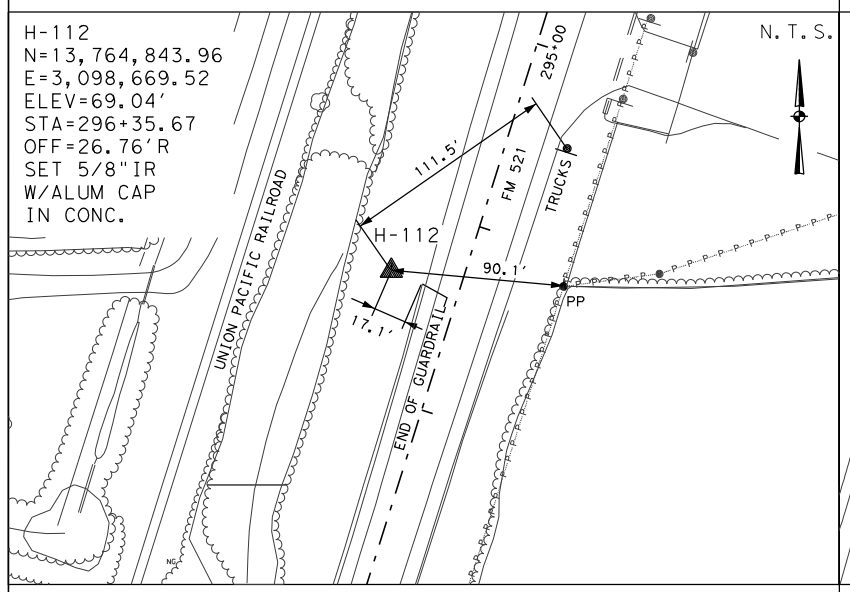
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

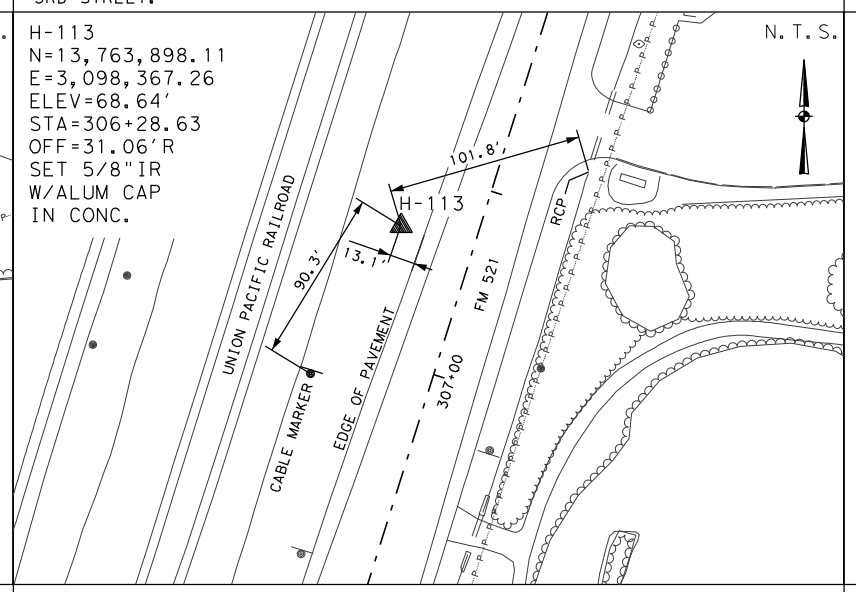
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

H-112
N=13,764,843.96
E=3,098,669.52
ELEV=69.04'
STA=296+35.67
OFF=26.76'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



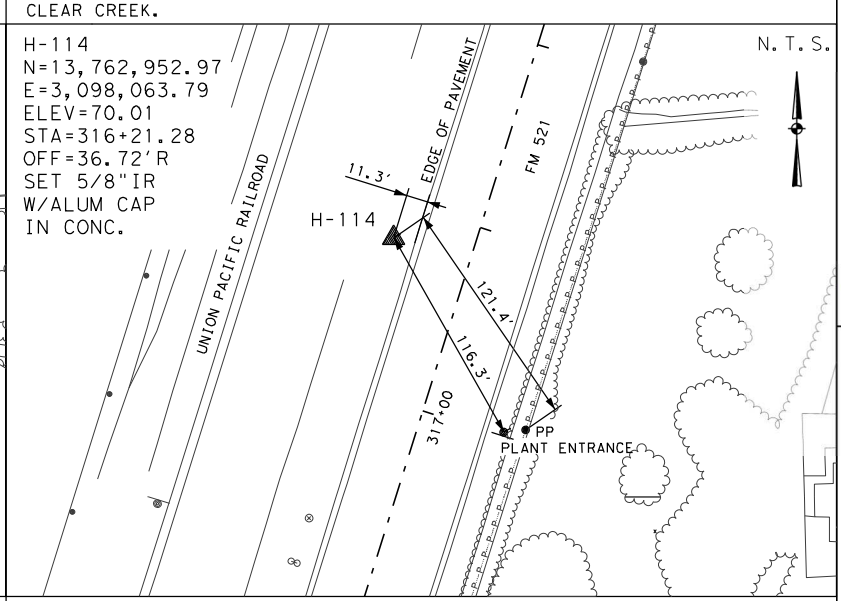
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.10 MILE SOUTH OF THE CENTRLINE OF EVERGREEN STREET AND 0.04 MILE NORTH OF THE CENTER OF BRIDGE AT CLEAR CREEK.

H-113
N=13,763,898.11
E=3,098,367.26
ELEV=68.64'
STA=306+28.63
OFF=31.06'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.11 MILE NORTH OF THE CENTERLINE OF WILLOW STREET AND 0.14 MILE SOUTH OF THE CENTER OF BIDGE AT CLEAR CREEK.

H-114
N=13,762,952.97
E=3,098,063.79
ELEV=70.01
STA=316+21.28
OFF=36.72'R
SET 5/8"IR
W/ALUM CAP
IN CONC.

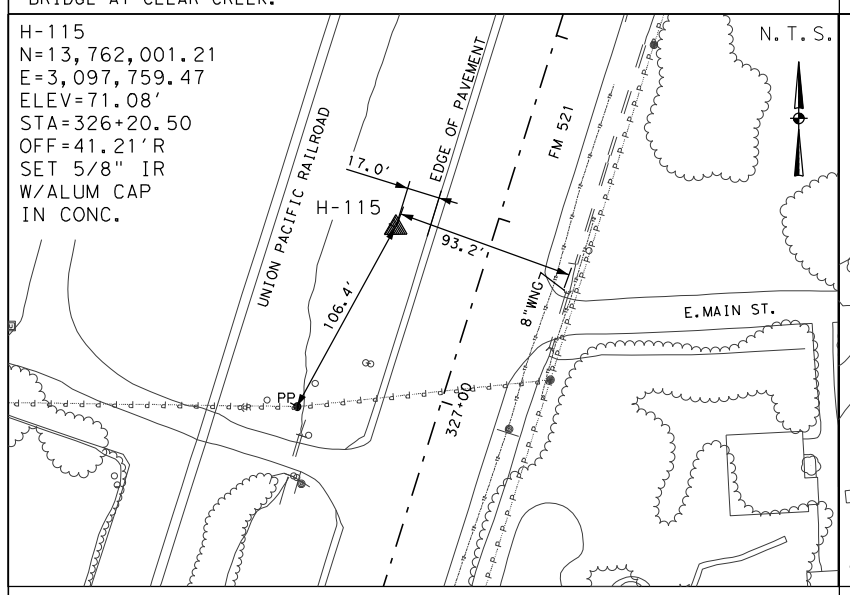


STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.08 MILE SOUTH OF THE CENTERLINE OF WILLOW STREET AND 0.12 MILE NORTH OF THE CENTERLINE OF HOUSTON STREET.

Survey Date: DECEMBER 2015

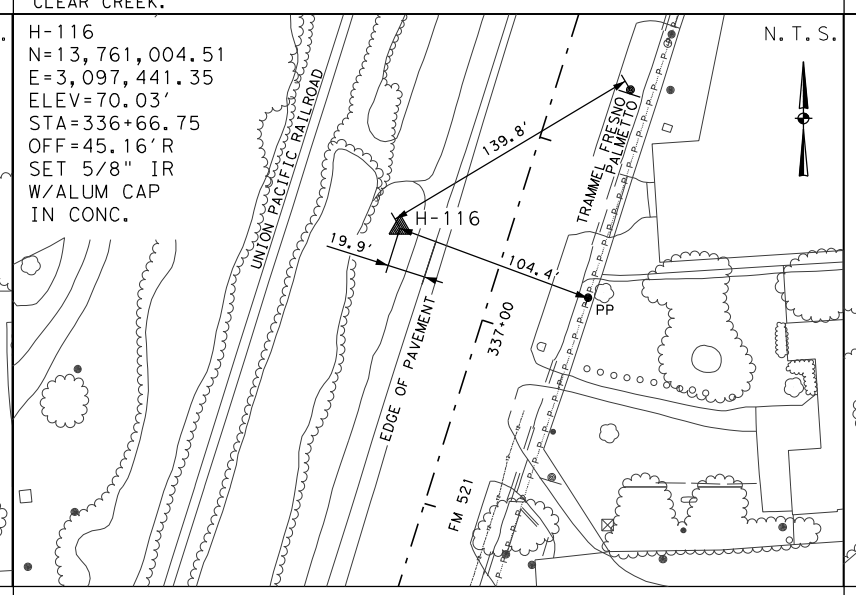
RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700
Control
Infrastructure
Transportation
Land Development

H-115
N=13,762,001.21
E=3,097,759.47
ELEV=71.08'
STA=326+20.50
OFF=41.21'R
SET 5/8" IR
W/ALUM CAP
IN CONC.



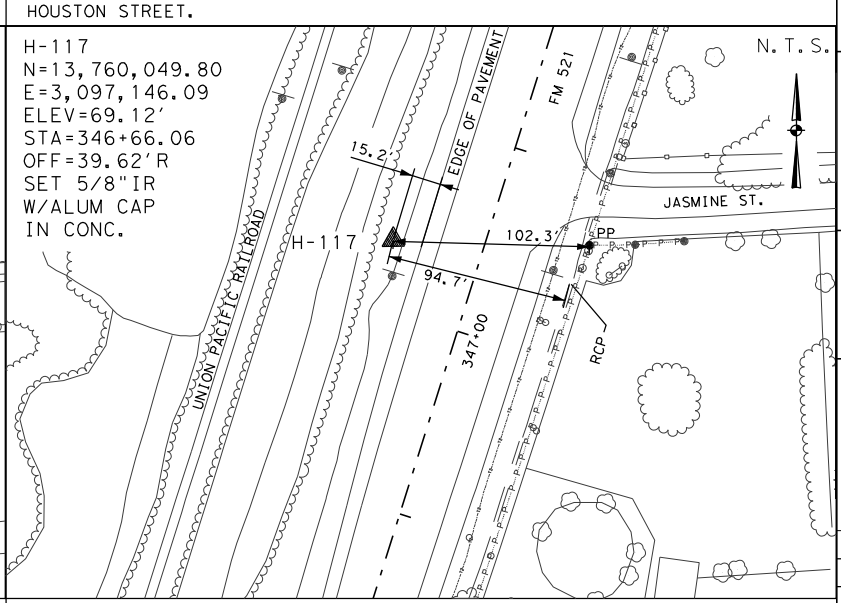
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.02 MILE NORTH OF THE CENTERLINE OF W. MAIN STREET AND 21 FEET NORTH OF THE CENTERLINE OF E. MAIN STREET.

H-116
N=13,761,004.51
E=3,097,441.35
ELEV=70.03'
STA=336+66.75
OFF=45.16'R
SET 5/8" IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.08 MILE SOUTH OF THE CENTERLINE OF TRAMMEL-FRESNO ROAD AND 0.18 MILE NORTH OF THE CENTERLINE OF JASMINE STREET.

H-117
N=13,760,049.80
E=3,097,146.09
ELEV=69.12'
STA=346+66.06
OFF=39.62'R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.01 MILE SOUTH OF THE CENTERLINE OF JASMINE STREET.

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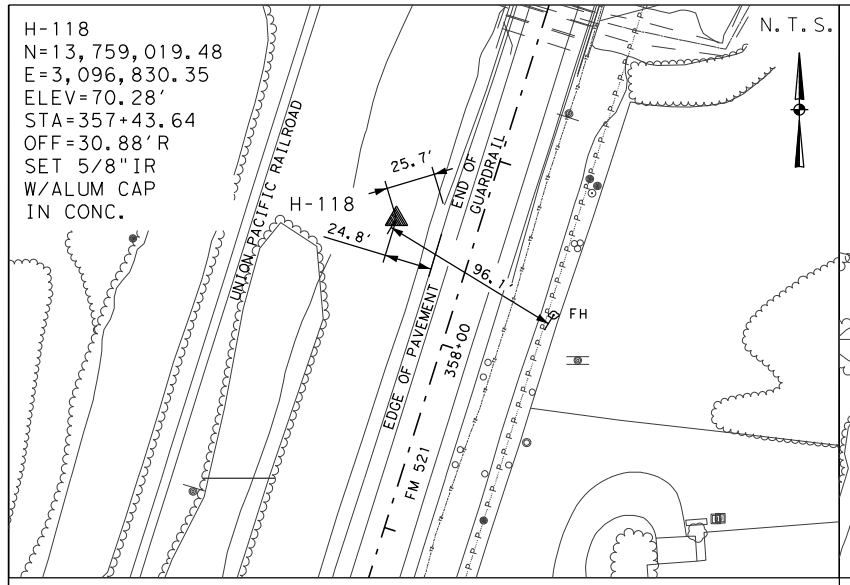
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				29
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

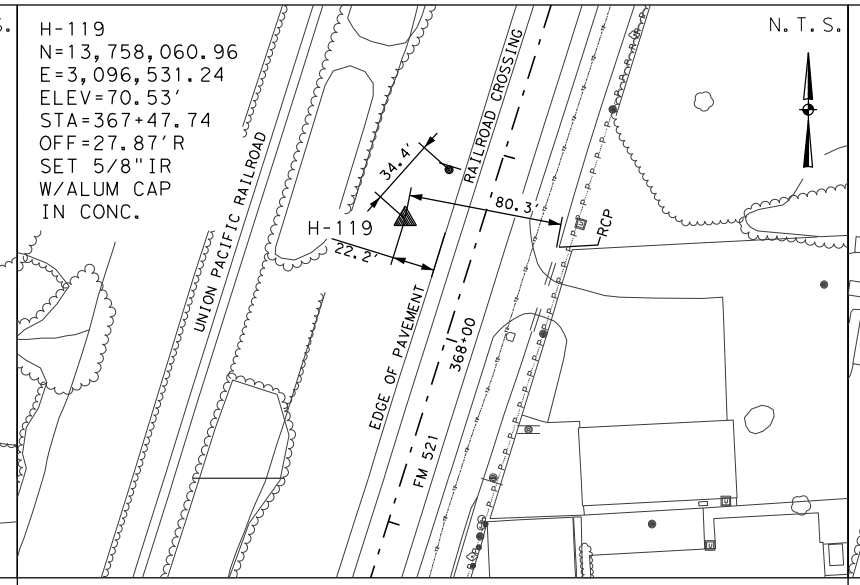
N:\LJA 339\2132002\CAD\H&V Control\H&V Sketches.DGN

H-118
N=13,759,019.48
E=3,096,830.35
ELEV=70.28′
STA=357+43.64
OFF=30.88′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



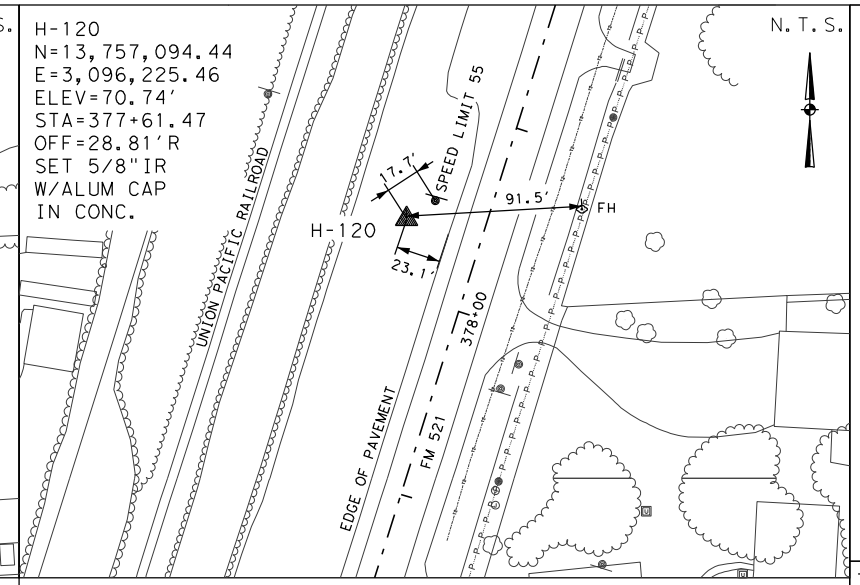
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.21 MILE SOUTH OF THE CENTERLINE OF JASMINE STREET AND 0.06 MILE NORTH OF THE CENTERLINE OF E. PALM STREET.

H-119
N=13,758,060.96
E=3,096,531.24
ELEV=70.53′
STA=367+47.74
OFF=27.87′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



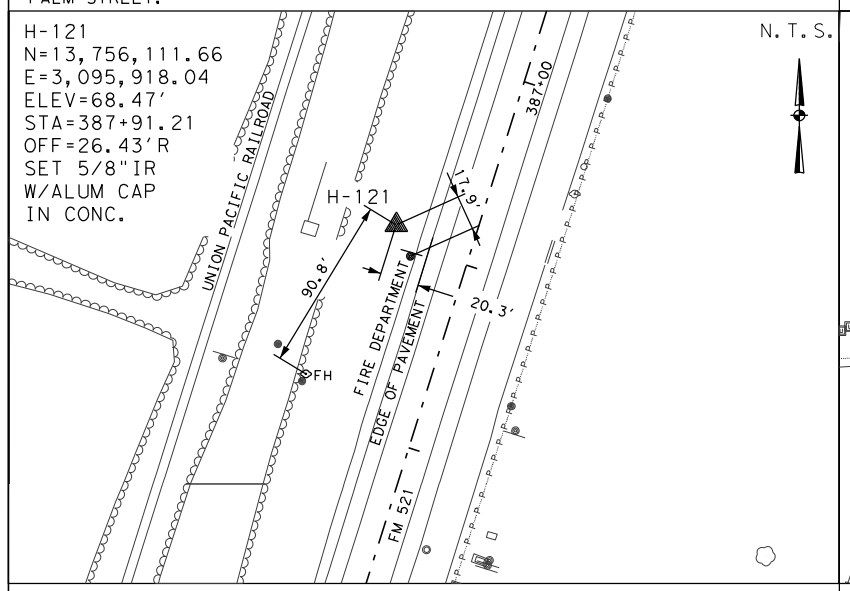
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.14 MILE SOUTH OF THE CENTERLINE OF E. PALM STREET AND 0.15 MILE NORTH OF THE CENTERLINE OF W. SYCAMORE STREET.

H-120
N=13,757,094.44
E=3,096,225.46
ELEV=70.74′
STA=377+61.47
OFF=28.81′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



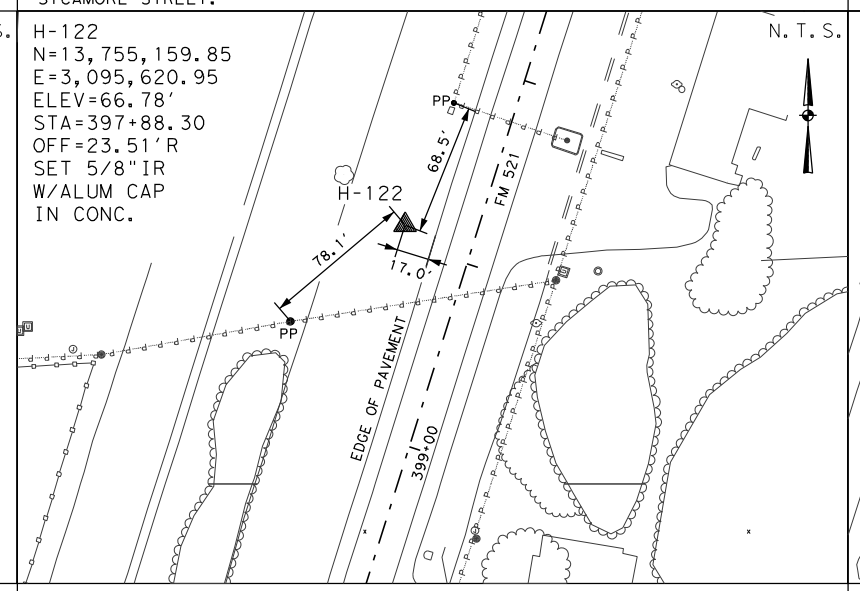
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.04 MILE SOUTH OF THE CENTERLINE OF W. SYCAMORE STREET AND 0.15 MILE NORTH OF THE CENTERLINE OF RENFROW-BURFORD ROAD.

H-121
N=13,756,111.66
E=3,095,918.04
ELEV=68.47′
STA=387+91.21
OFF=26.43′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



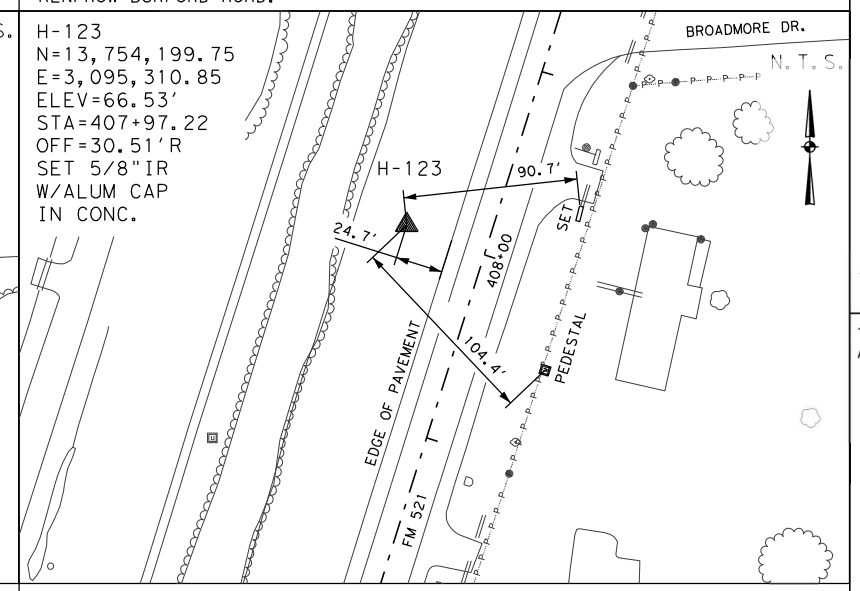
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.05 MILE SOUTH OF THE CENTERLINE OF RENFROW-BURFORD ROAD AND 0.14 MILE NORTH OF CENTERLINE OF PECAN STREET.

H-122
N=13,755,159.85
E=3,095,620.95
ELEV=66.78′
STA=397+88.30
OFF=23.51′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



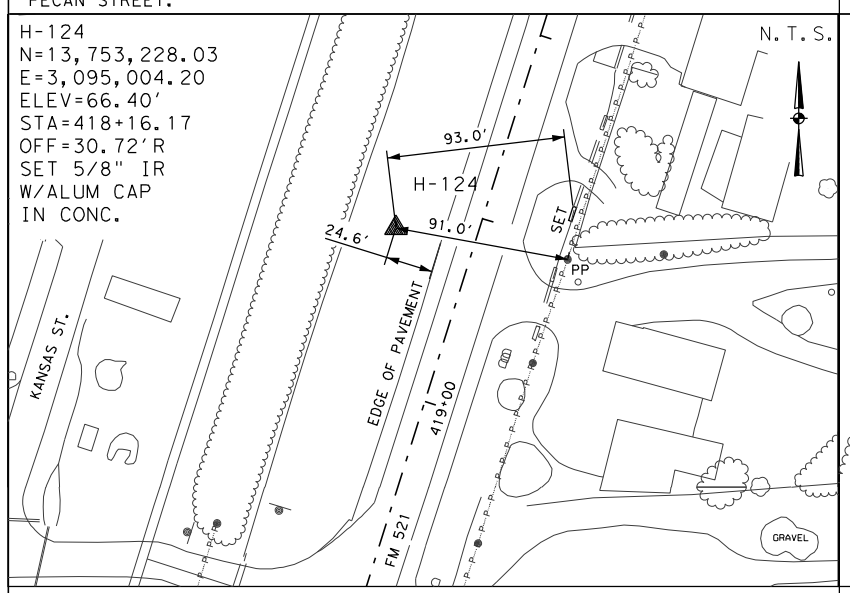
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.05 MILE SOUTH OF THE CENTERLINE OF PECAN STREET AND 0.17 MILE NORTH OF THE CENTERLINE OF BROADMORE DRIVE.

H-123
N=13,754,199.75
E=3,095,310.85
ELEV=66.53′
STA=407+97.22
OFF=30.51′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



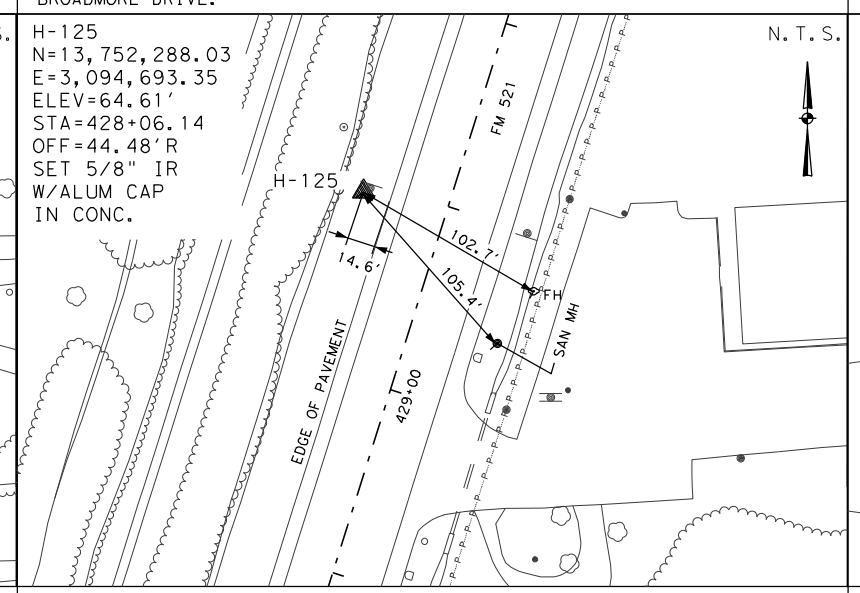
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.03 MILE SOUTH OF THE CENTERLINE OF BROADMORE DRIVE AND 0.19 MILE SOUTH OF CONTROL POINT NO.122.

H-124
N=13,753,228.03
E=3,095,004.20
ELEV=66.40′
STA=418+16.17
OFF=30.72′R
SET 5/8" IR
W/ALUM CAP
IN CONC.



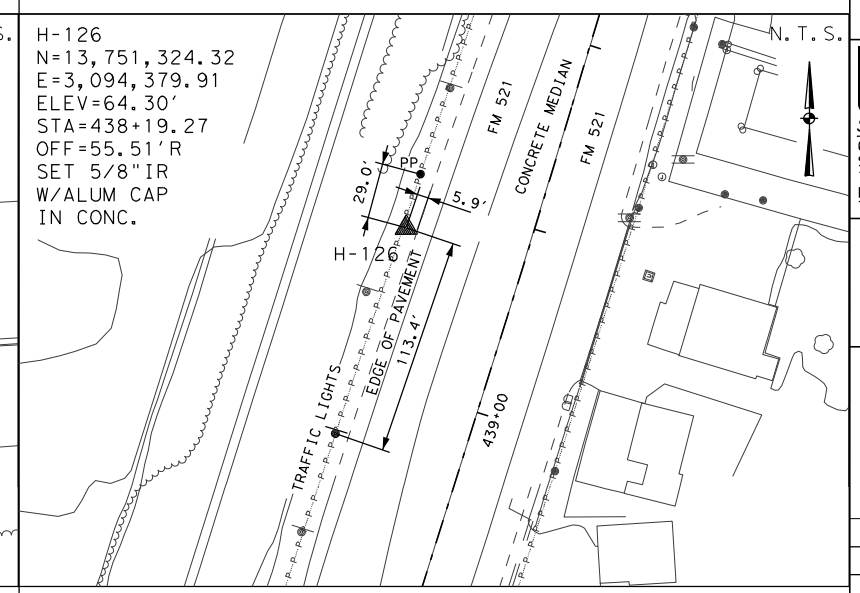
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.20 MILE SOUTH OF CONTROL POINT No. 123 AND 0.04 MILE NORTH OF THE CENTERLINE OF W. DAVIS ROAD.

H-125
N=13,752,288.03
E=3,094,693.35
ELEV=64.61′
STA=428+06.14
OFF=44.48′R
SET 5/8" IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.02 MILE NORTH OF THE CENTER OF DRIVE ENTERING THE DOLLAR GENERAL STORE PARKING LOT AND 0.07 MILE SOUTH OF THE CENTERLINE OF POST ROAD.

H-126
N=13,751,324.32
E=3,094,379.91
ELEV=64.30′
STA=438+19.27
OFF=55.51′R
SET 5/8"IR
W/ALUM CAP
IN CONC.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.04 MILE NORTH OF THE CENTERLINE OF COMPTON ROAD AND 0.05 MILE NORTH OF THE CENTER OF DRIVE ENTERING THE DOLLAR GENERAL STORE PARKING LOT.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73′ (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45′.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700
Control Infrastructure Transportation Land Development

Texas Department of Transportation
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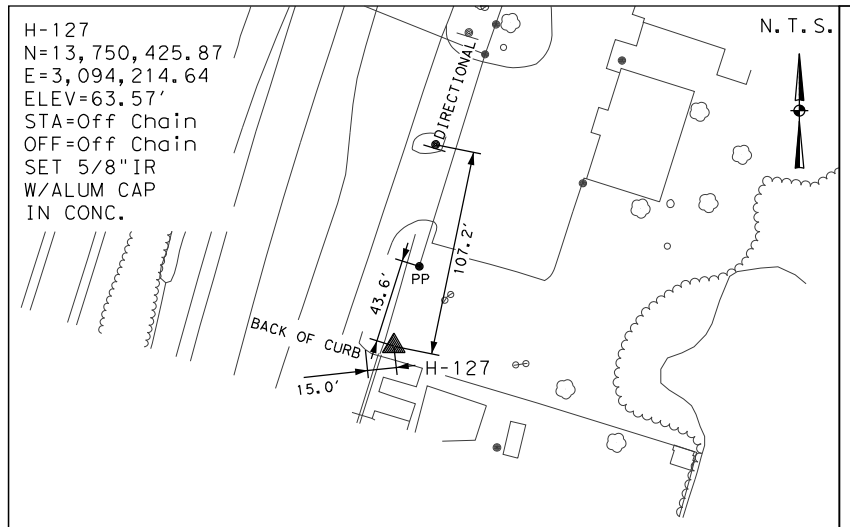
FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				30
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN

H-127
N=13,750,425.87
E=3,094,214.64
ELEV=63.57′
STA=Off Chain
OFF=Off Chain
SET 5/8"IR
W/ALUM CAP
IN CONC.

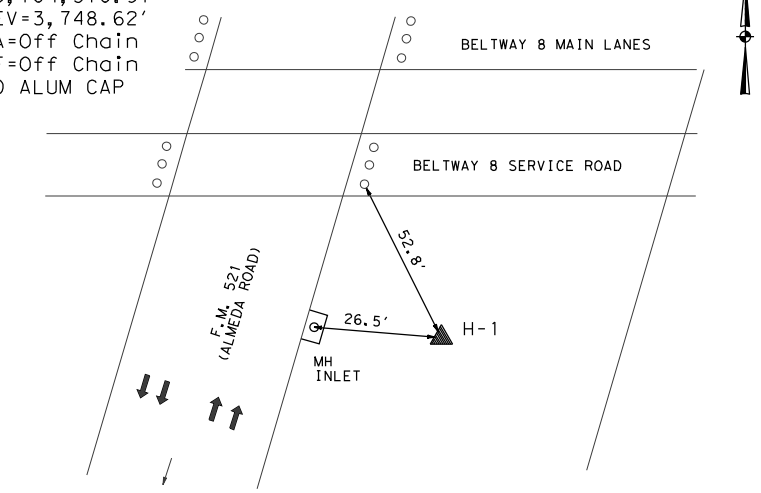
N.T.S.



STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.04 MILE SOUTH OF RIGHT TURN TO NORTHWEST BOUND FEEDER OF HIGHWAY 6 AND 0.09 MILE NORTH OF THE CENTERLINE OF MACNICOLL STREET.

H-1
N=13,783,601.31
E=3,104,370.97
ELEV=3,748.62′
STA=Off Chain
OFF=Off Chain
FND ALUM CAP

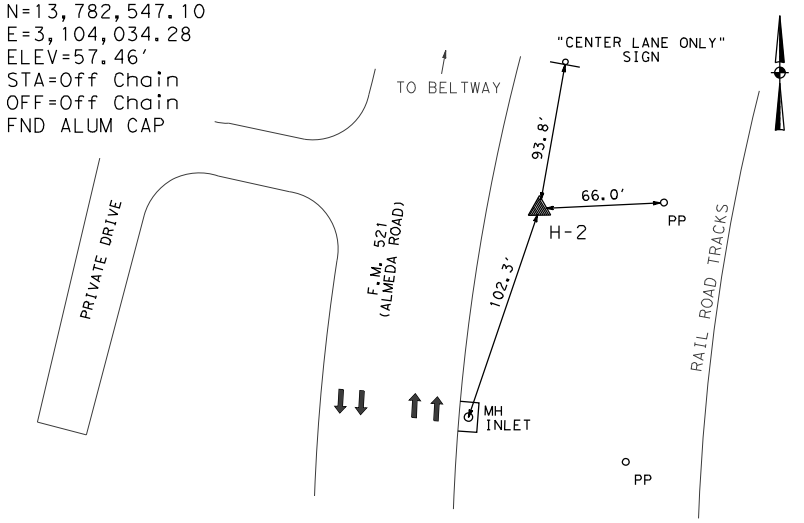
N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 219.6 FEET SOUTH OF THE CENTERLINE OF WEST SAM HOUSTON PARKWAY.

H-2
N=13,782,547.10
E=3,104,034.28
ELEV=57.46′
STA=Off Chain
OFF=Off Chain
FND ALUM CAP

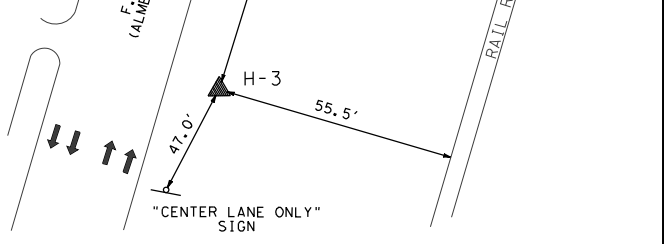
N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.14 MILES NORTH OF THE CENTERLINE OF WEST RILEY ROAD.

H-3
N=13,781,491.71
E=3,103,764.23
ELEV=59.33′
STA=Off Chain
OFF=Off Chain
FND ALUM CAP

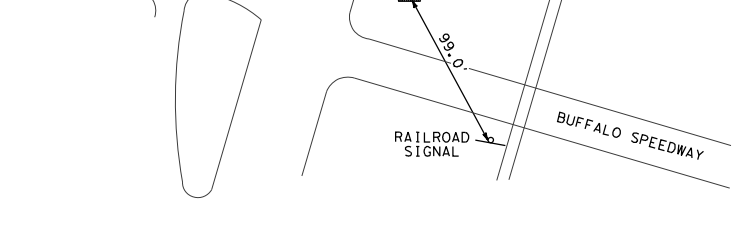
N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.21 MILES NORTH OF THE CENTERLINE OF SOUTHBELT INDUSTRIAL DRIVE.

H-4
N=13,780,488.51
E=3,103,436.69
ELEV=60.43′
STA=Off Chain
OFF=Off Chain
FND ALUM CAP

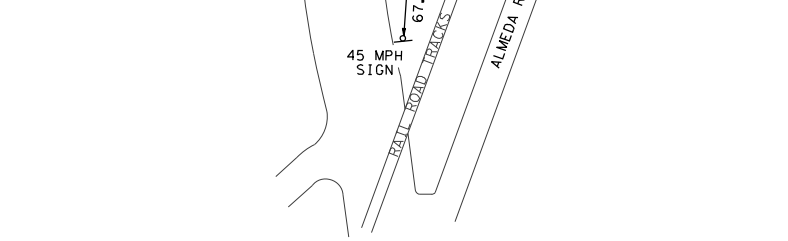
N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 54.7 FEET NORTH OF THE CENTERLINE OF SOUTHBELT INDUSTRIAL DRIVE.

H-5
N=13,779,405.80
E=3,103,096.38
ELEV=60.35′
STA=Off Chain
OFF=Off Chain
FND ALUM CAP

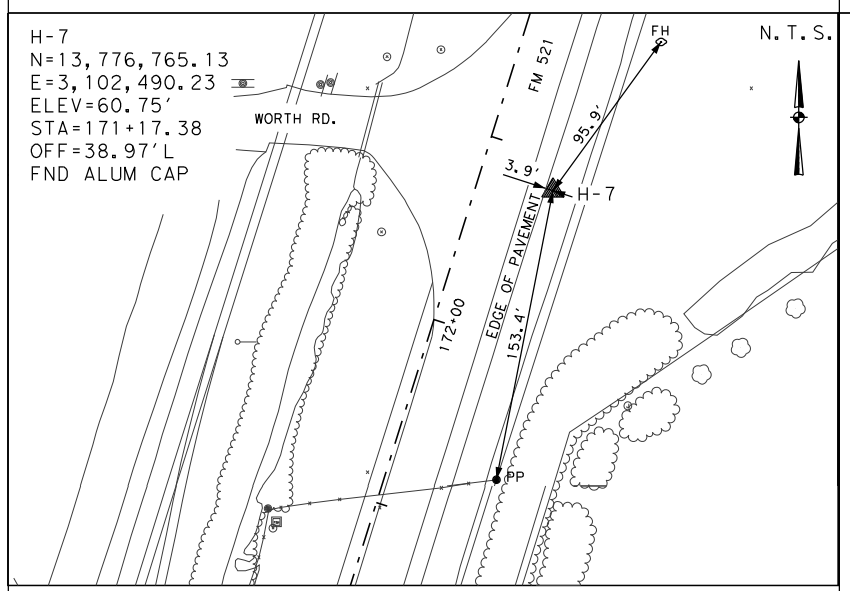
N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.25 MILES NORTH OF THE INTERSECTION OF FM 2234 AND FM 521.

H-7
N=13,776,765.13
E=3,102,490.23
ELEV=60.75′
STA=171+17.38
OFF=38.97′L
FND ALUM CAP

N.T.S.



STATION IS LOCATED NEAR THE EAST R.O.W. LINE OF FM 521, LYING ADJACENT TO WORTH ROAD.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73′ (NAVD88; 2001 ADJ). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45′.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

RODS Surveying, Inc.
Control Infrastructure Transportation Land Development
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TBPLS FIRM REGISTRATION No. 10030700

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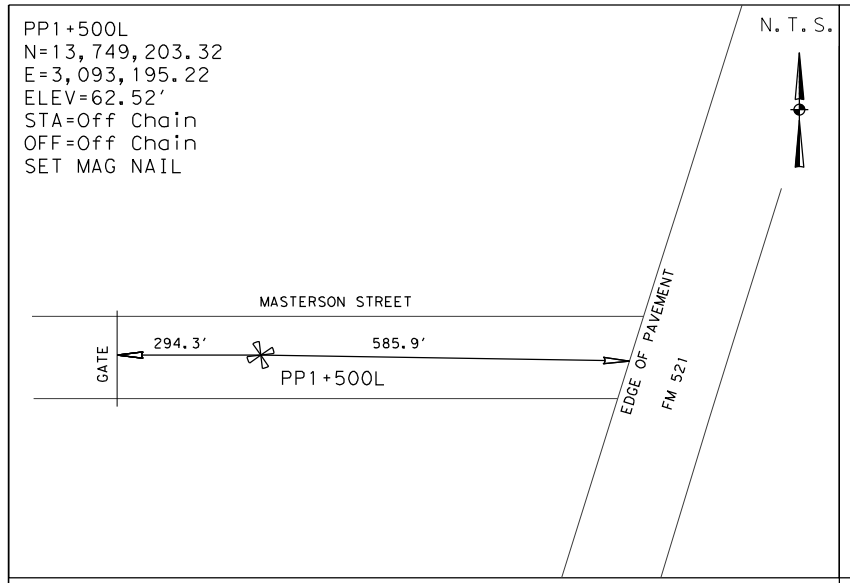
FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				31
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

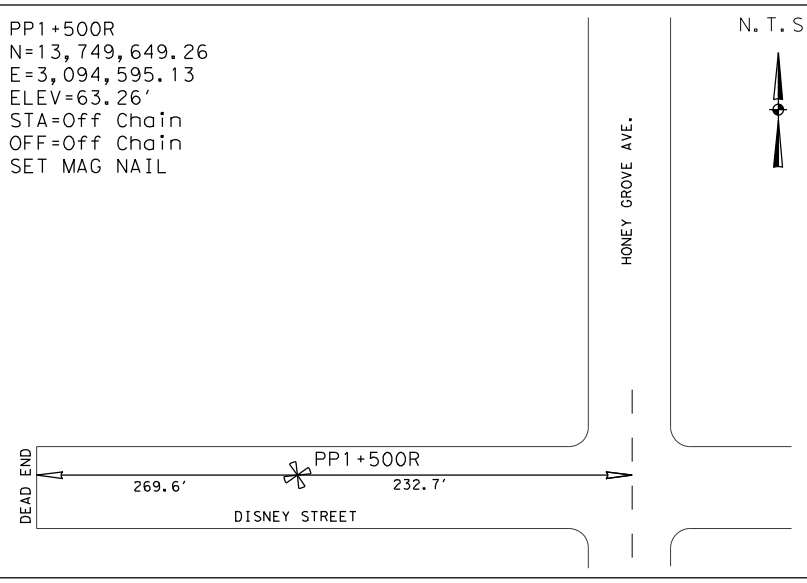
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN

PP1+500L
N=13,749,203.32
E=3,093,195.22
ELEV=62.52'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



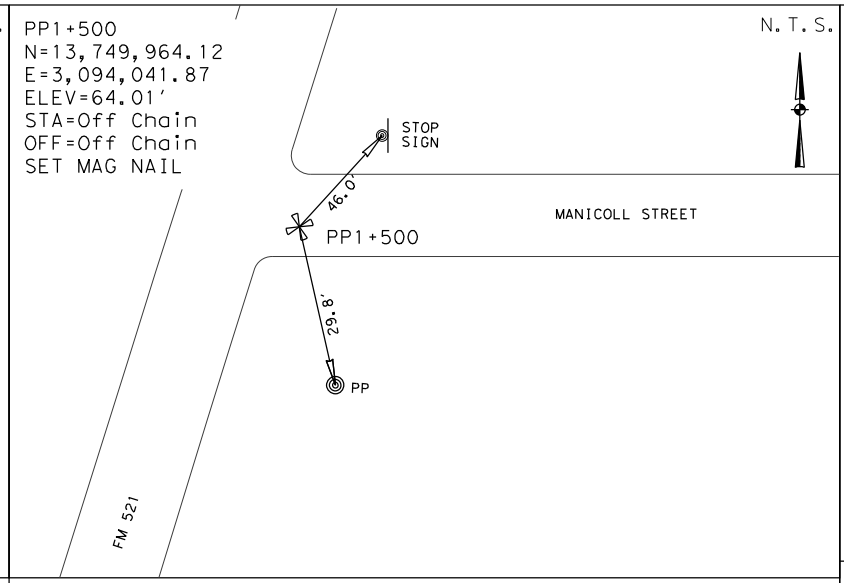
STATION IS LOCATED IN THE CENTER OF MASTERSON STREET AND LYING 585.9 FEET WEST OF THE CENTERLINE OF FM 521 AND 0.32 MILES SOUTH OF THE JUNCTION OF HWY 6/FM 521.

PP1+500R
N=13,749,649.26
E=3,094,595.13
ELEV=63.26'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



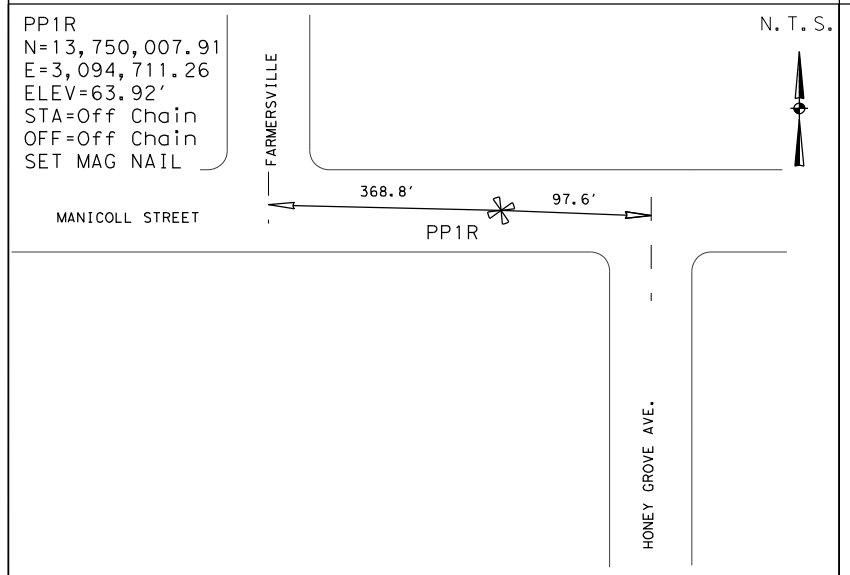
STATION IS LOCATED IN THE CENTER OF DINEY STREET AND LYING 232.7 FEET WEST OF THE CENTERLINE OF HONEY GROVE AVE.

PP1+500
N=13,749,964.12
E=3,094,041.87
ELEV=64.01'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



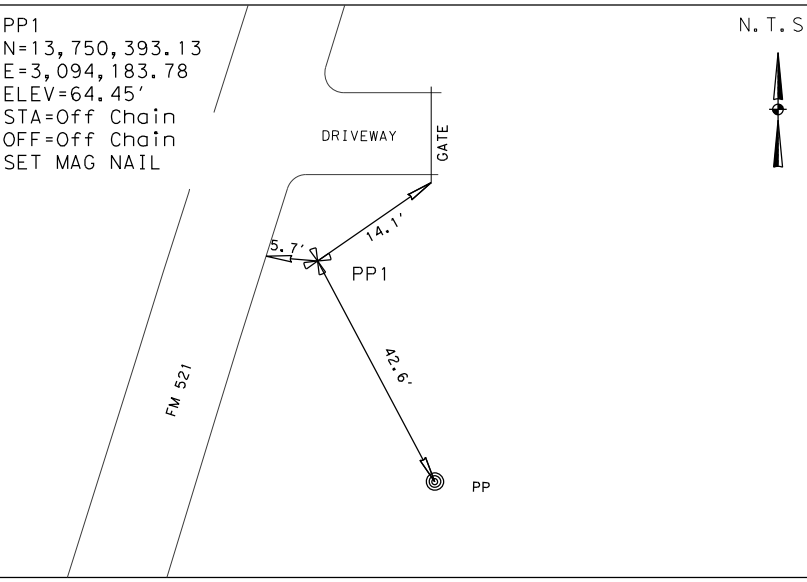
STATION IS LOCATED IN THE INTERSECTION OF MACNICOLL STREET AND FM 521 AND LYING 770.3 FEET WEST OF THE CENTERLINE OF MANICOLL STREET AND HONEY GROVE AVE.

PP1R
N=13,750,007.91
E=3,094,711.26
ELEV=63.92'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



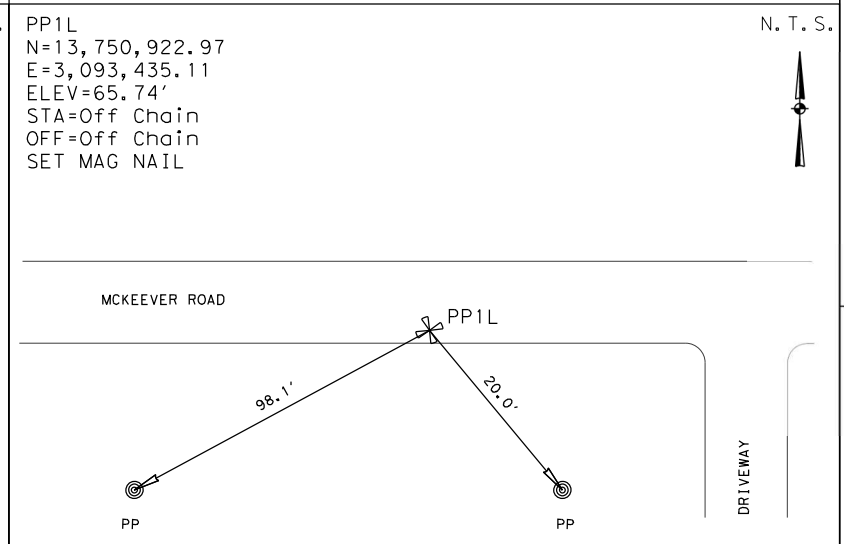
STATION IS LOCATED IN THE CENTER OF MANICOLL STREET AND LYING 368.8 FEET EAST OF THE CENTERLINE OF FARMERSVILLE AND 97.6 FEET WEST OF THE JUNCTION OF MANICOLL ST./HONEY GROVE AVE.

PP1
N=13,750,393.13
E=3,094,183.78
ELEV=64.45'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



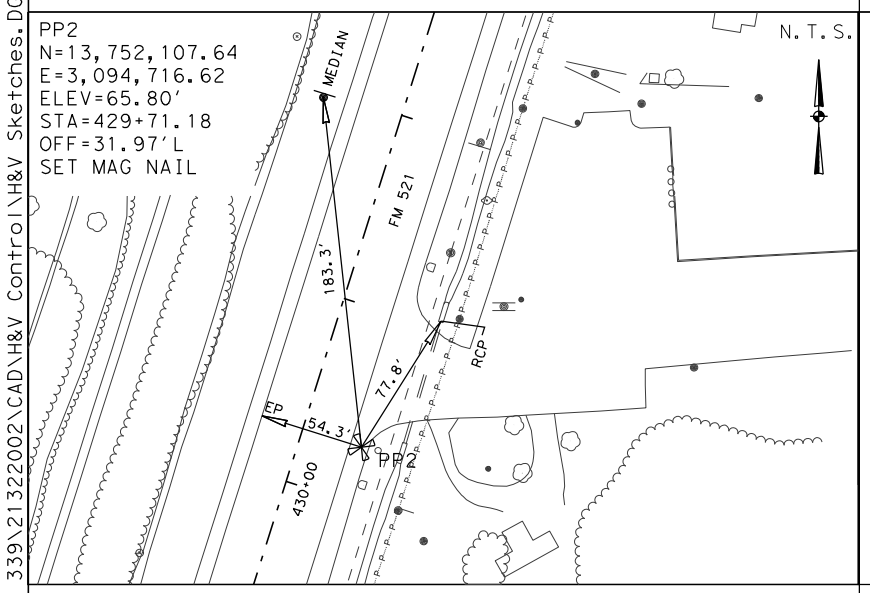
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 454.4 FEET SOUTHWEST OF THE JUNCTION OF FM 521 AND HWY 6.

PP1L
N=13,750,922.97
E=3,093,435.11
ELEV=65.74'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



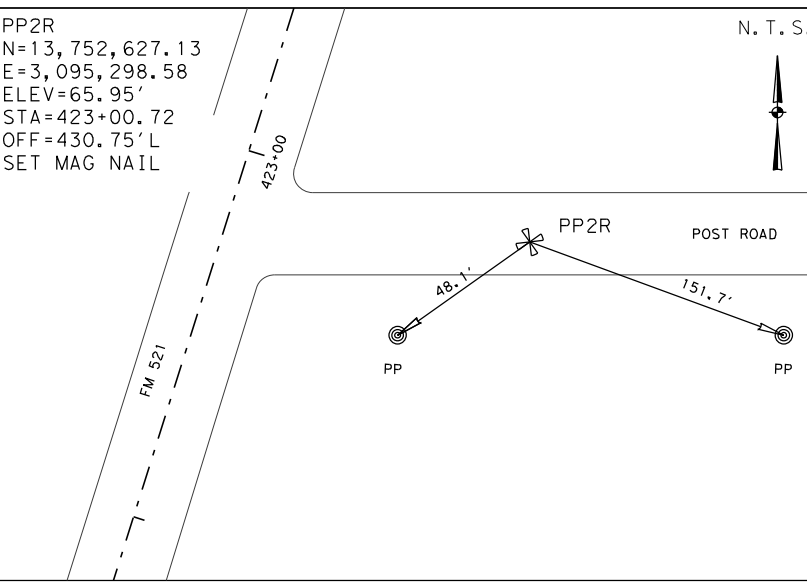
STATION IS LOCATED ON THE SOUTH SIDE OF MCKEEVER ROAD AND LYING 448.4 FEET WEST OF THE JUNCTION OF MCKEEVER ROAD AND HWY 6.

PP2
N=13,752,107.64
E=3,094,716.62
ELEV=65.80'
STA=429+71.18
OFF=31.97'L
SET MAG NAIL



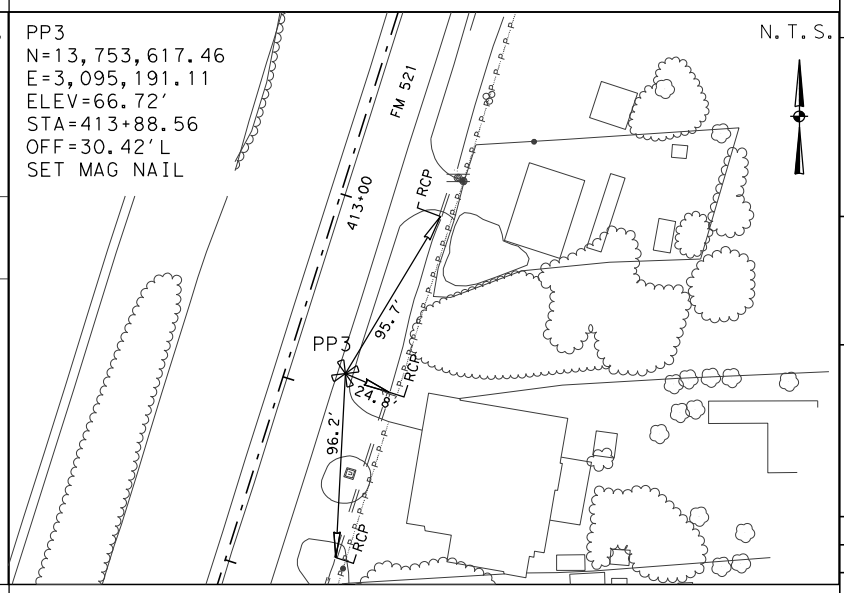
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.25 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP2R
N=13,752,627.13
E=3,095,298.58
ELEV=65.95'
STA=423+00.72
OFF=430.75'L
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF POST ROAD AND LYING 457.4 FEET EAST OF THE JUNCTION OF FM 521/POST ROAD.

PP3
N=13,753,617.46
E=3,095,191.11
ELEV=66.72'
STA=413+88.56
OFF=30.42'L
SET MAG NAIL



STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.55 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION No. 10030700

GPS Right-of-Way Transportation Land Development

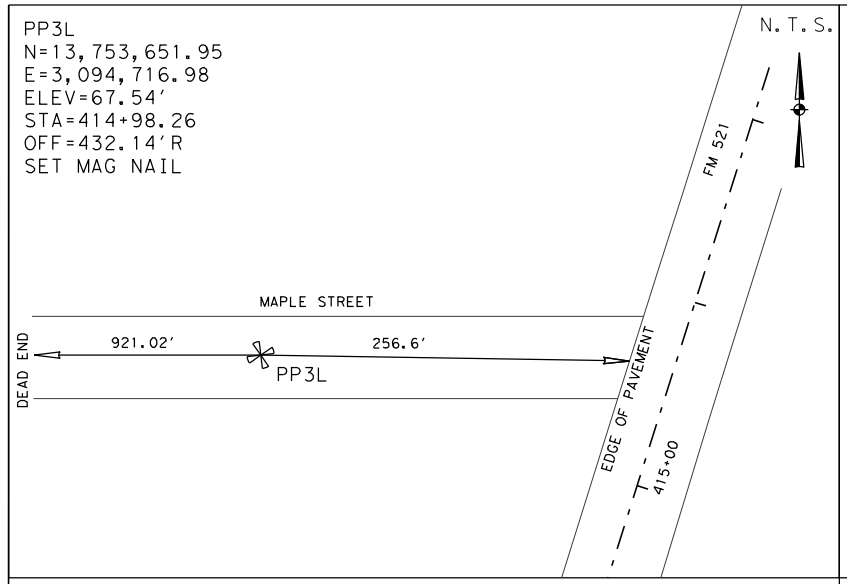
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				32
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

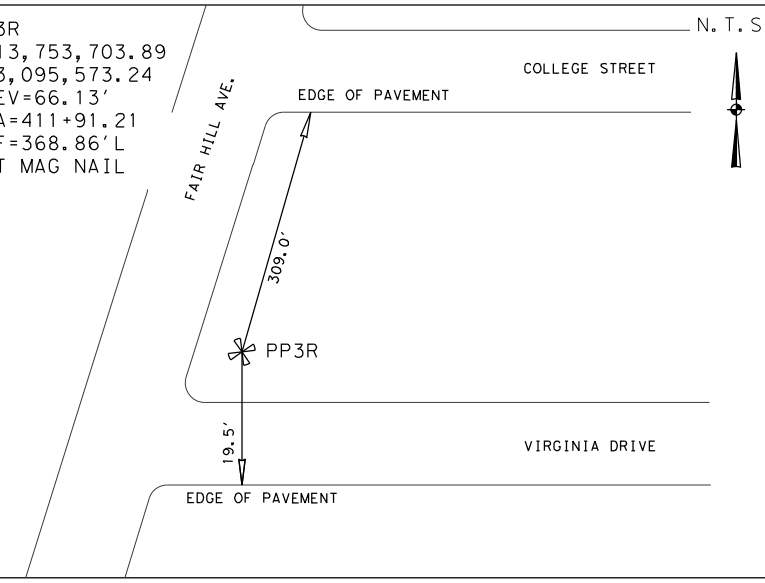
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN

PP3L
N=13,753,651.95
E=3,094,716.98
ELEV=67.54′
STA=414+98.26
OFF=432.14′R
SET MAG NAIL



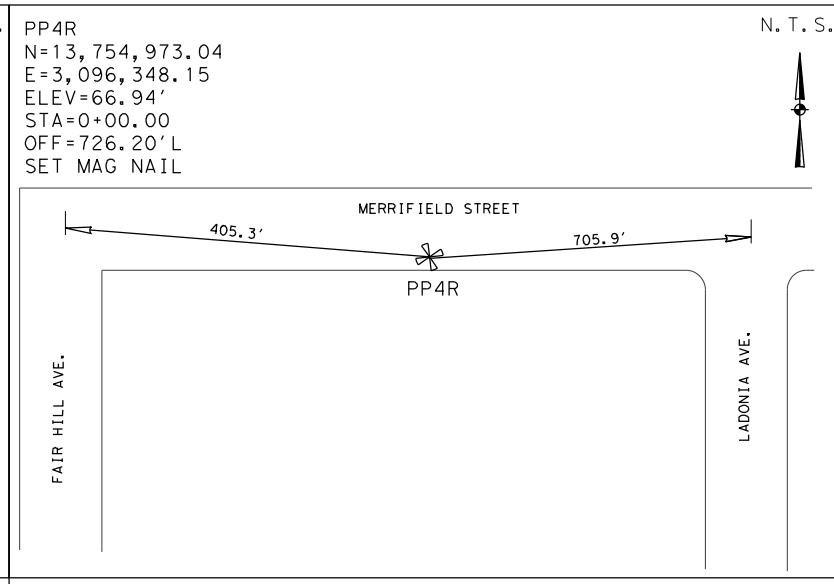
STATION IS LOCATED IN THE CENTER OF MAPLE STREET AND LYING 256.6 FEET WEST OF THE JUNCTION OF FM 521/MAPLE STREET.

PP3R
N=13,753,703.89
E=3,095,573.24
ELEV=66.13′
STA=411+91.21
OFF=368.86′L
SET MAG NAIL



STATION IS LOCATED AT THE INTERSECTION OF FAIR HILL AVENUE AND VIRGINIA DRIVE AND LYING 0.29 MILES WEST OF THE CENTERLINE OF VIRGINIA DRIVE AND LADONIA AVENUE.

PP4R
N=13,754,973.04
E=3,096,348.15
ELEV=66.94′
STA=0+00.00
OFF=726.20′L
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF MERRIFIELD STREET AND LYING 705.9 FEET WEST OF THE JUNCTION OF MERRIFIELD STREET /LADONIA AVENUE.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73′ (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45′.

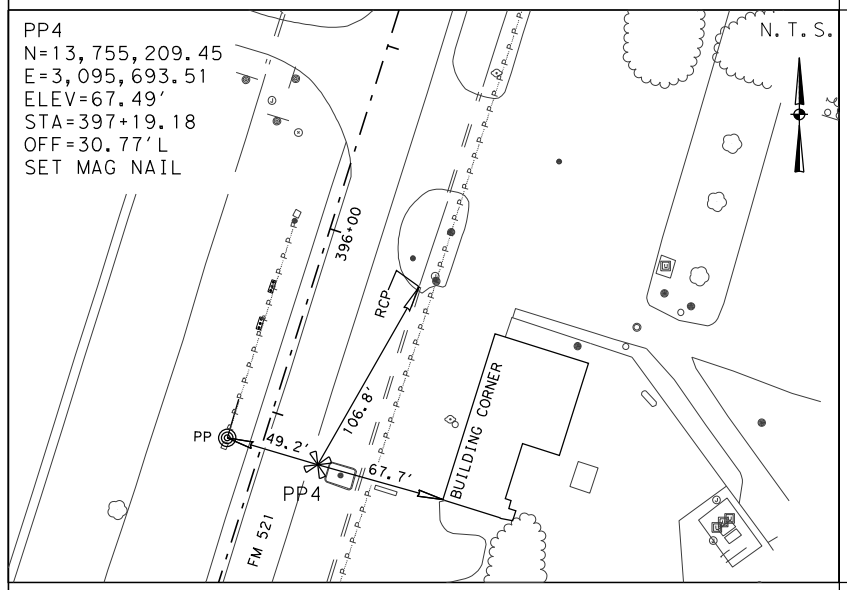
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

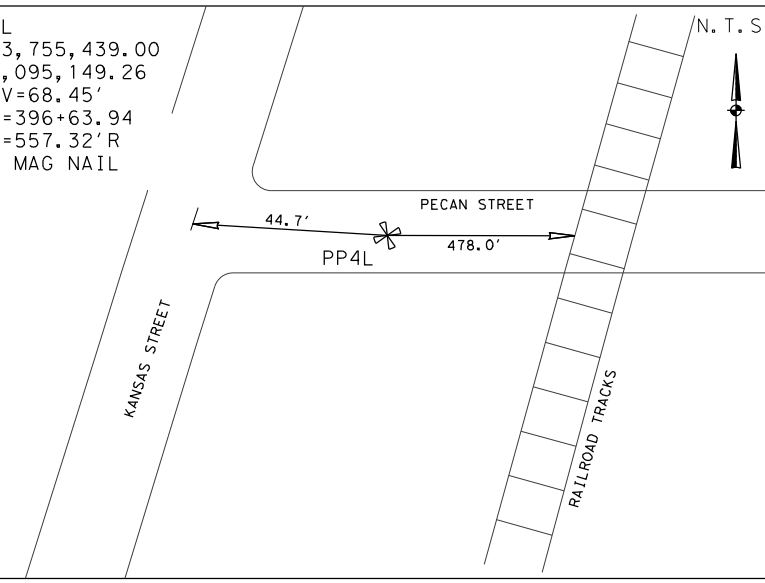
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

PP4
N=13,755,209.45
E=3,095,693.51
ELEV=67.49′
STA=397+19.18
OFF=30.77′L
SET MAG NAIL



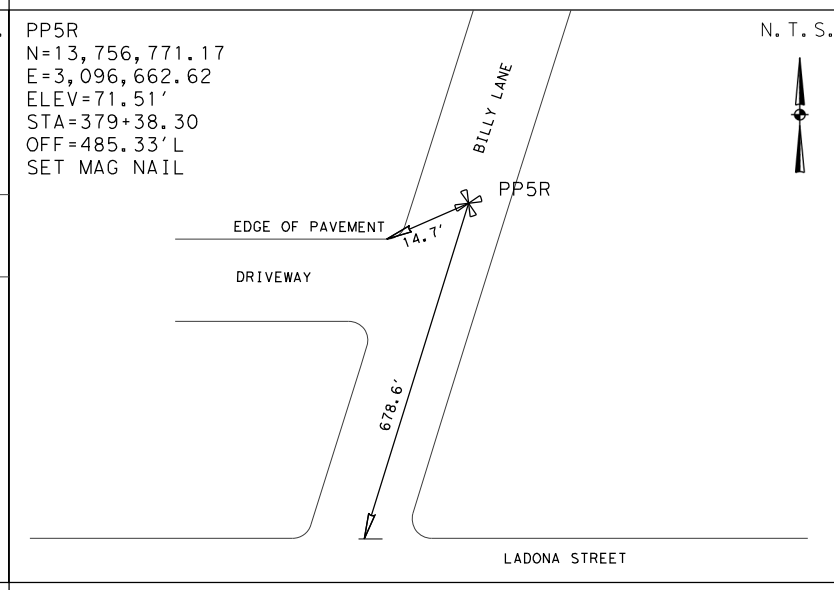
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.87 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP4L
N=13,755,439.00
E=3,095,149.26
ELEV=68.45′
STA=396+63.94
OFF=557.32′R
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF PECAN STREET AND LYING 613.9 FEET WEST OF THE JUNCTION OF PECAN STREET /FM 521.

PP5R
N=13,756,771.17
E=3,096,662.62
ELEV=71.51′
STA=379+38.30
OFF=485.33′L
SET MAG NAIL



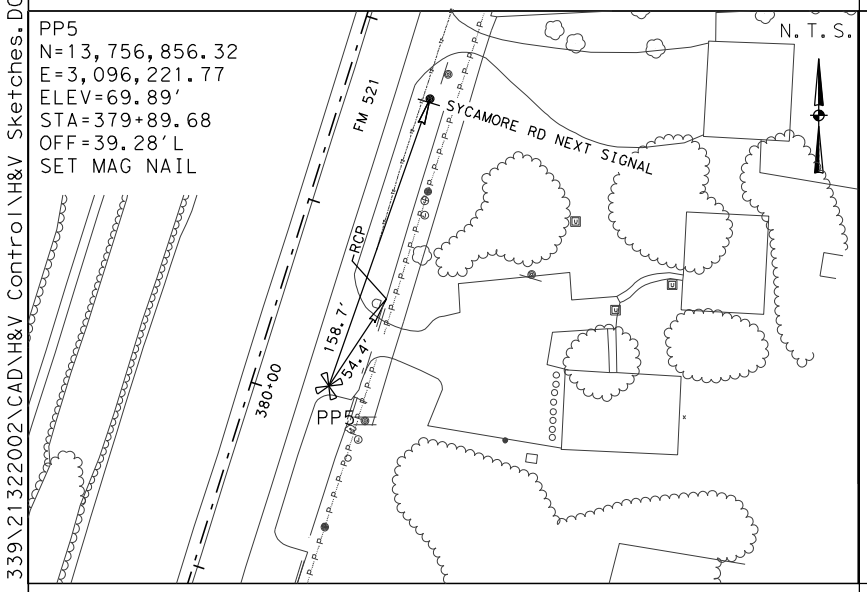
STATION IS LOCATED IN THE CENTER OF BILLY LANE AND LYING 678.6 FEET NORTH OF THE JUNCTION OF BILLY LANE /LADONA STREET.

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION No. 10030700

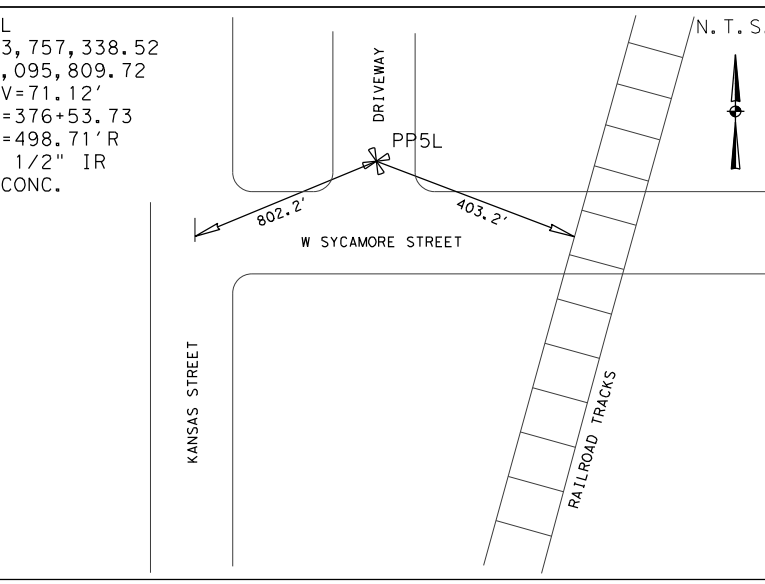
GPS
Right-of-Way
Transportation
Land Development

PP5
N=13,756,856.32
E=3,096,221.77
ELEV=69.89′
STA=379+89.68
OFF=39.28′L
SET MAG NAIL



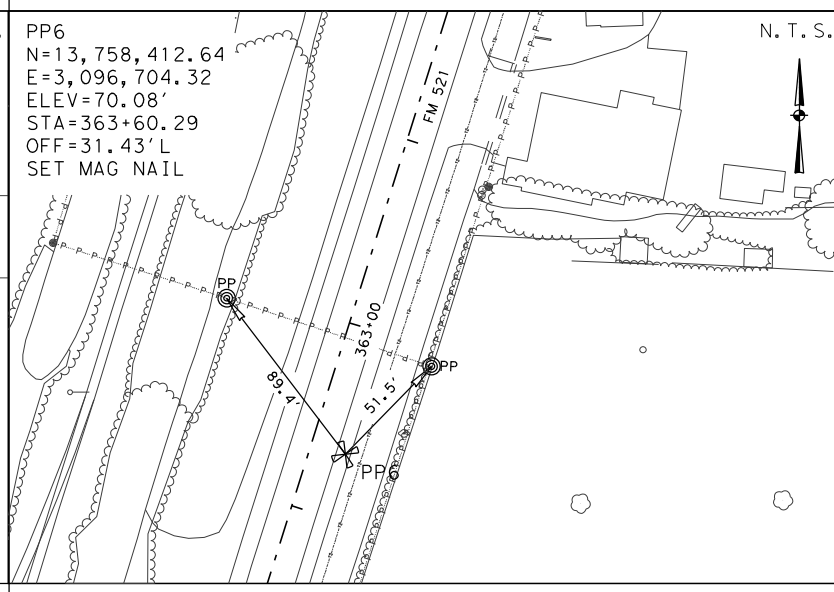
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.20 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP5L
N=13,757,338.52
E=3,095,809.72
ELEV=71.12′
STA=376+53.73
OFF=498.71′R
FND 1/2" IR
IN CONC.



STATION IS LOCATED NEAR THE NORTH R.O.W. OF W SYCAMORE STREET IN A CONCRETE DRIVEWAY AND LYING 545.2 FEET WEST OF THE JUNCTION OF E SYCAMORE STREET/FM 521.

PP6
N=13,758,412.64
E=3,096,704.32
ELEV=70.08′
STA=363+60.29
OFF=31.43′L
SET MAG NAIL



STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.50 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

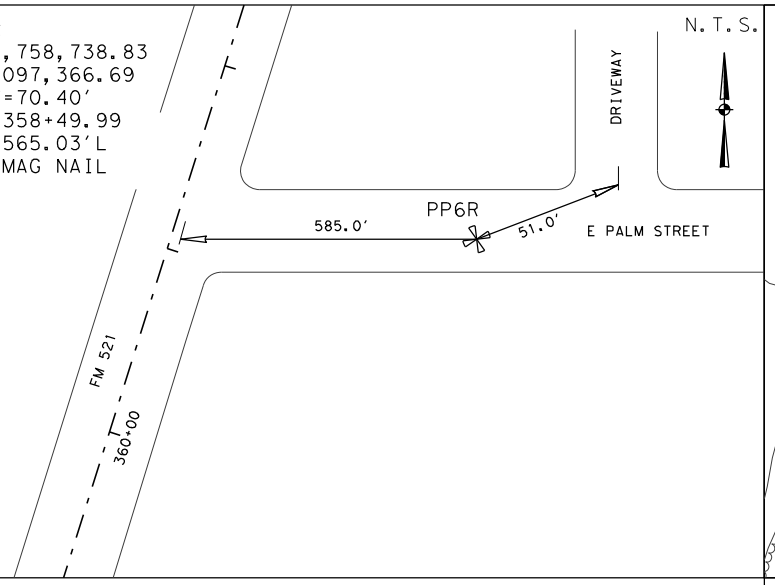
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				33
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

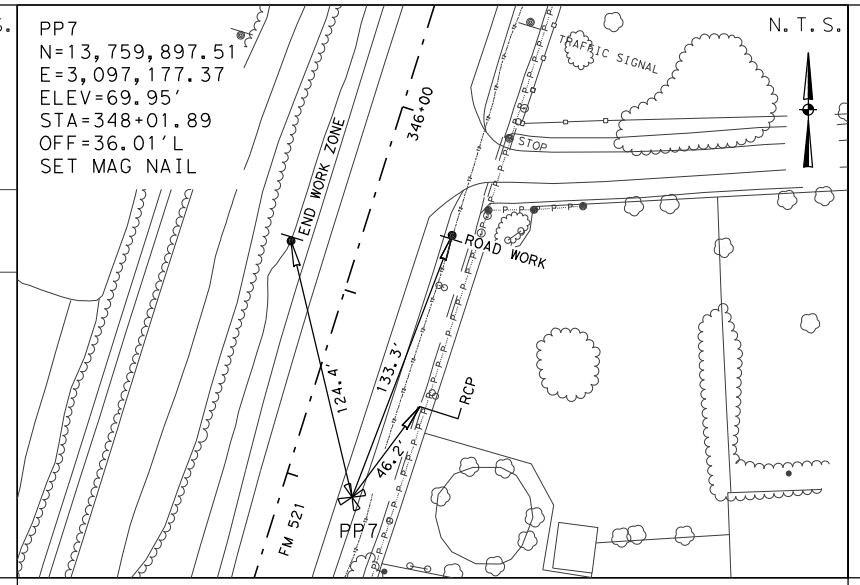
N:\LJA 339\2132002\CAD\H&V Control\H&V Sketches.DGN

PP6R
N=13,758,738.83
E=3,097,366.69
ELEV=70.40'
STA=358+49.99
OFF=565.03'L
SET MAG NAIL



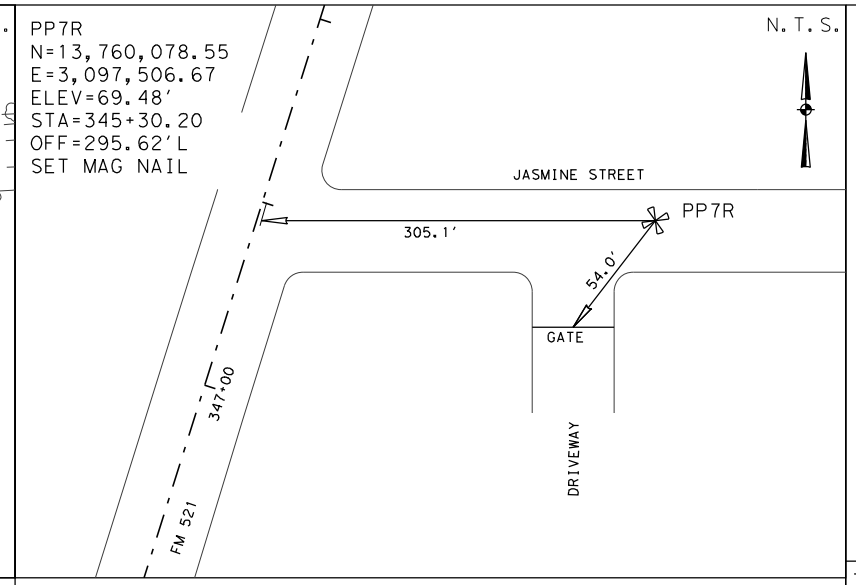
STATION IS LOCATED IN THE CENTER OF E PALM STREET AND LYING 1.05 MILES WEST OF THE JUNCTION OF E PALM STREET /WOODFIN ROAD.

PP7
N=13,759,897.51
E=3,097,177.37
ELEV=69.95'
STA=348+01.89
OFF=36.01'L
SET MAG NAIL



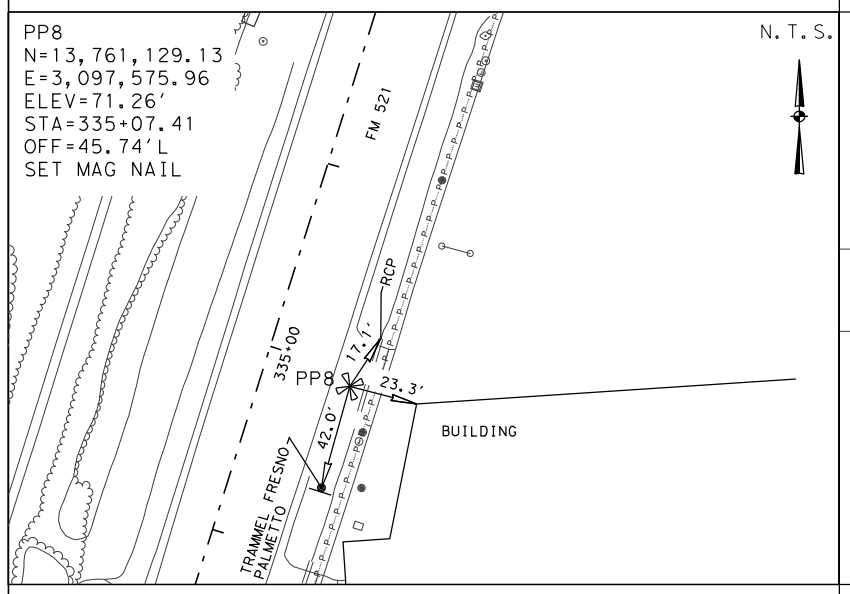
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.80 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP7R
N=13,760,078.55
E=3,097,506.67
ELEV=69.48'
STA=345+30.20
OFF=295.62'L
SET MAG NAIL



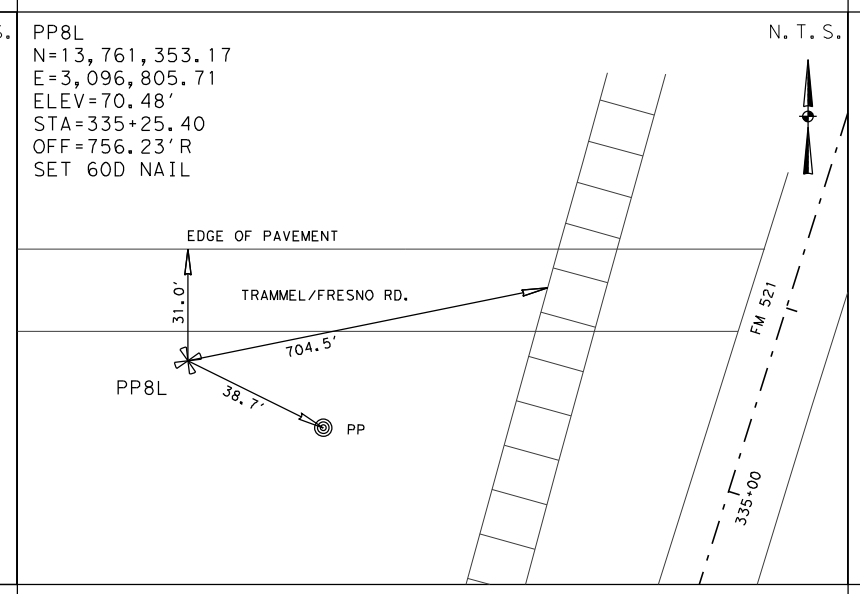
STATION IS LOCATED IN THE CENTER OF JASMINE STREET AND LYING 305.1 FEET EAST OF THE JUNCTION OF JASMINE STREET /FM 521.

PP8
N=13,761,129.13
E=3,097,575.96
ELEV=71.26'
STA=335+07.41
OFF=45.74'L
SET MAG NAIL



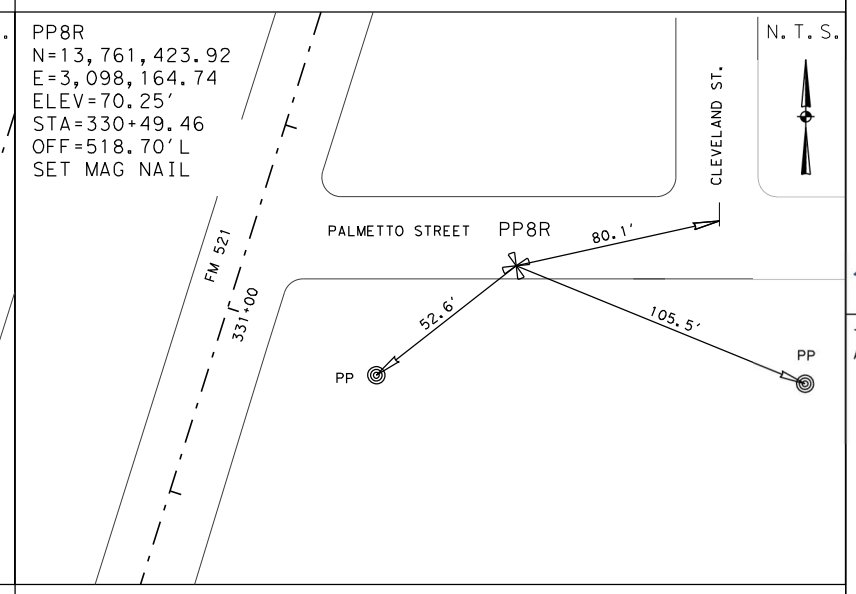
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.05 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP8L
N=13,761,353.17
E=3,096,805.71
ELEV=70.48'
STA=335+25.40
OFF=756.23'R
SET 60D NAIL



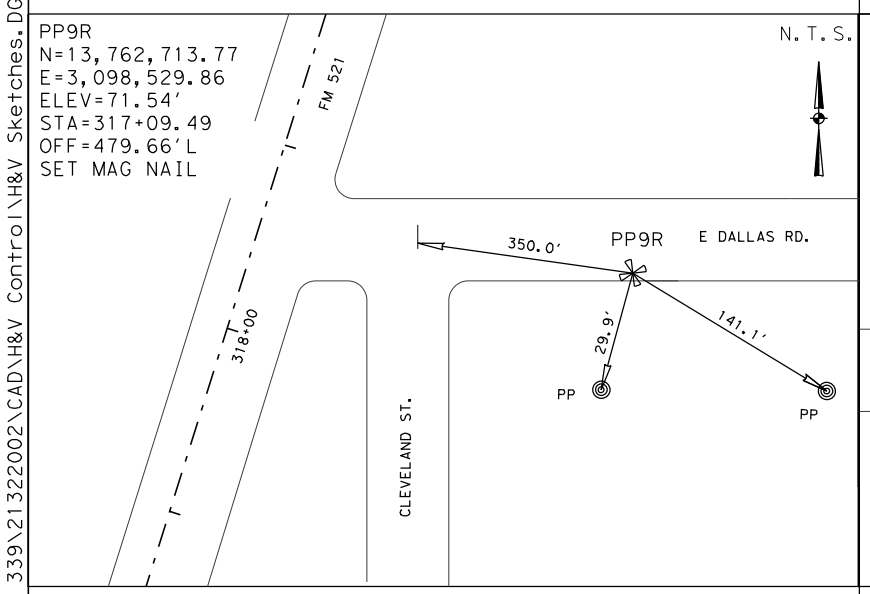
STATION IS LOCATED ON THE SOUTH SIDE OF TRAMMEL/FRESNO ROAD AND LYING 828.5 FEET WEST OF THE JUNCTION OF TRAMMEL/FRESNO ROAD/FM 521.

PP8R
N=13,761,423.92
E=3,098,164.74
ELEV=70.25'
STA=330+49.46
OFF=518.70'L
SET MAG NAIL



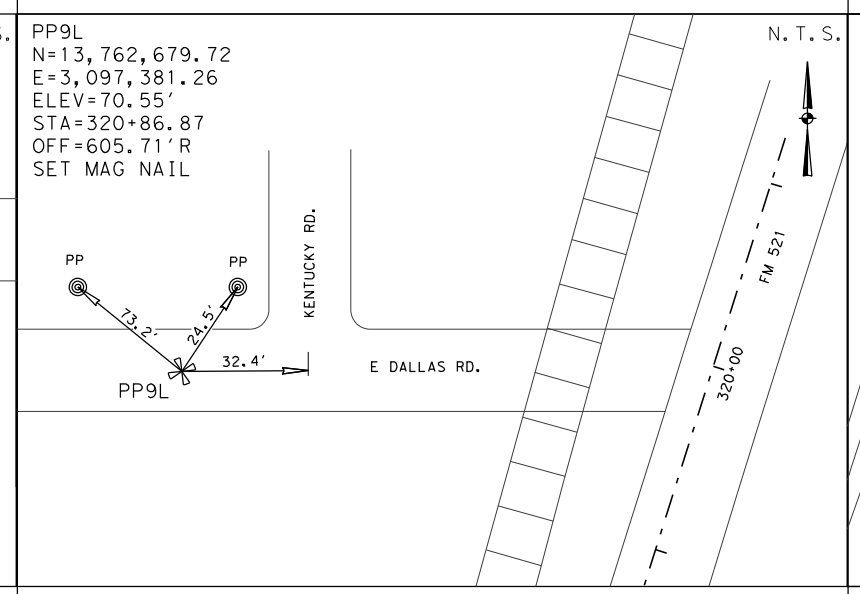
STATION IS LOCATED ON THE SOUTH EDGE OF PALMETTO STREET AND LYING 546.4 FEET EAST OF THE JUNCTION OF PALMETTO STREET/FM 521.

PP9R
N=13,762,713.77
E=3,098,529.86
ELEV=71.54'
STA=317+09.49
OFF=479.66'L
SET MAG NAIL



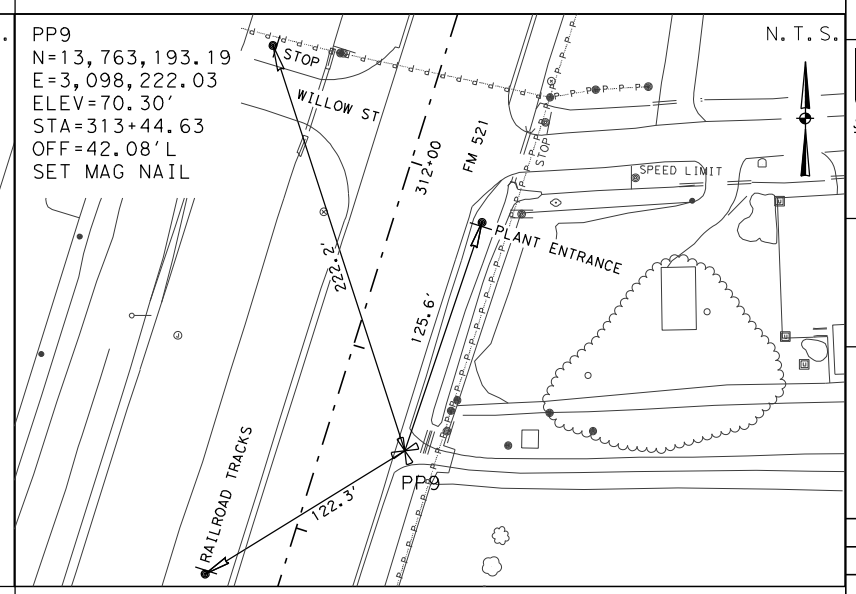
STATION IS LOCATED ON THE SOUTH EDGE OF EAST DALLAS ROAD AND LYING 503.3 FEET EAST OF THE JUNCTION OF EAST DALLAS ROAD/FM 521.

PP9L
N=13,762,679.72
E=3,097,381.26
ELEV=70.55'
STA=320+86.87
OFF=605.71'R
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF WEST DALLAS ROAD AND LYING 646.9 FEET WEST OF THE JUNCTION OF WEST DALLAS ROAD/FM 521.

PP9
N=13,763,193.19
E=3,098,222.03
ELEV=70.30'
STA=313+44.63
OFF=42.08'L
SET MAG NAIL



STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.46 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION NO. 10030700

GPS
Right-of-Way
Transportation
Land Development

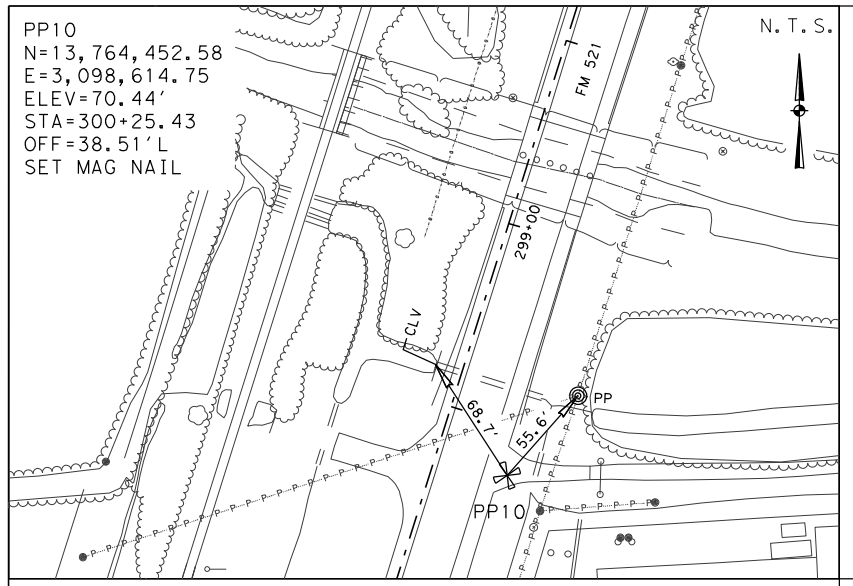
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				34
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

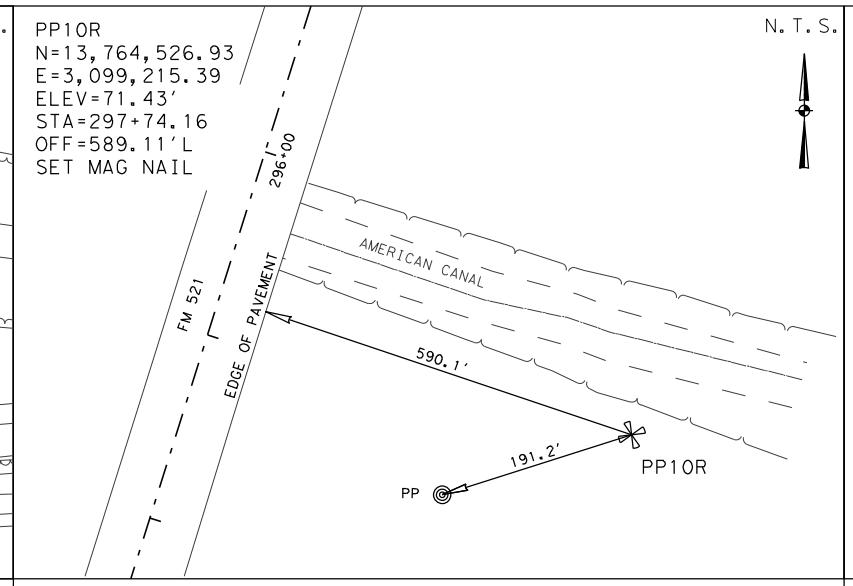
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN

PP10
N=13,764,452.58
E=3,098,614.75
ELEV=70.44'
STA=300+25.43
OFF=38.51'L
SET MAG NAIL



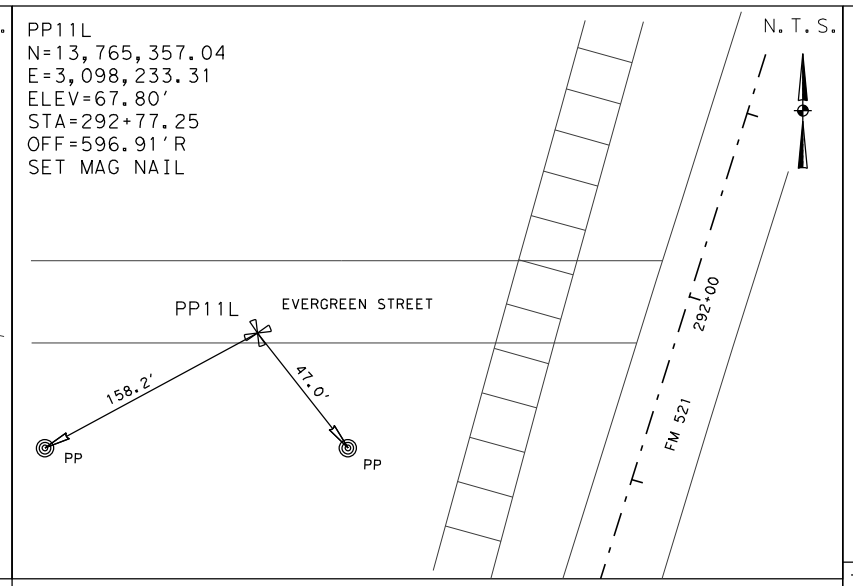
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.71 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP10R
N=13,764,526.93
E=3,099,215.39
ELEV=71.43'
STA=297+74.16
OFF=589.11'L
SET MAG NAIL



STATION IS LOCATED ON THE SOUTH SIDE OF THE AMERICAN CANAL AND LYING 590.1 FEET EAST OF THE JUNCTION OF AMERICAN CANAL/FM 521.

PP11L
N=13,765,357.04
E=3,098,233.31
ELEV=67.80'
STA=292+77.25
OFF=596.91'R
SET MAG NAIL



STATION IS LOCATED ON THE SOUTH EDGE OF EVERGREEN STREET AND LYING 647.7 FEET WEST OF THE JUNCTION OF EVERGREEN STREET/FM 521.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

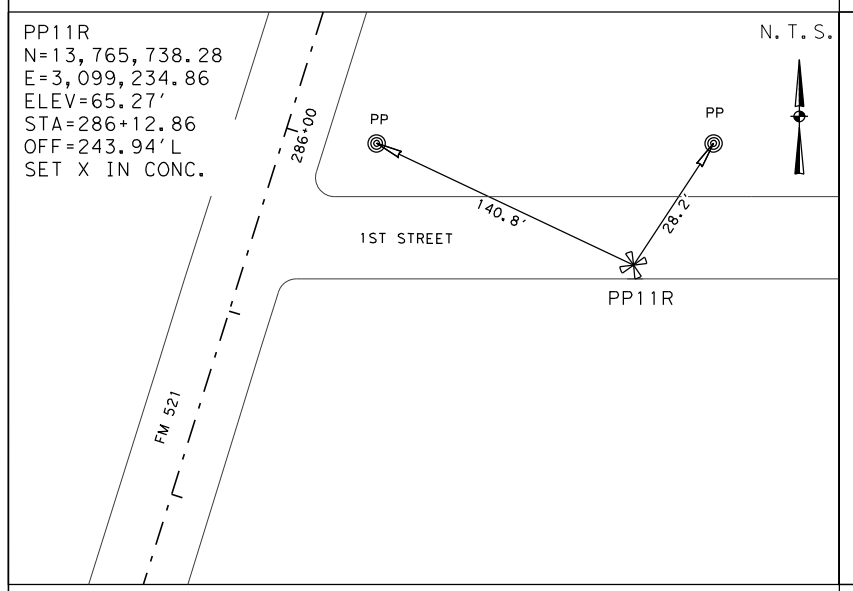
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

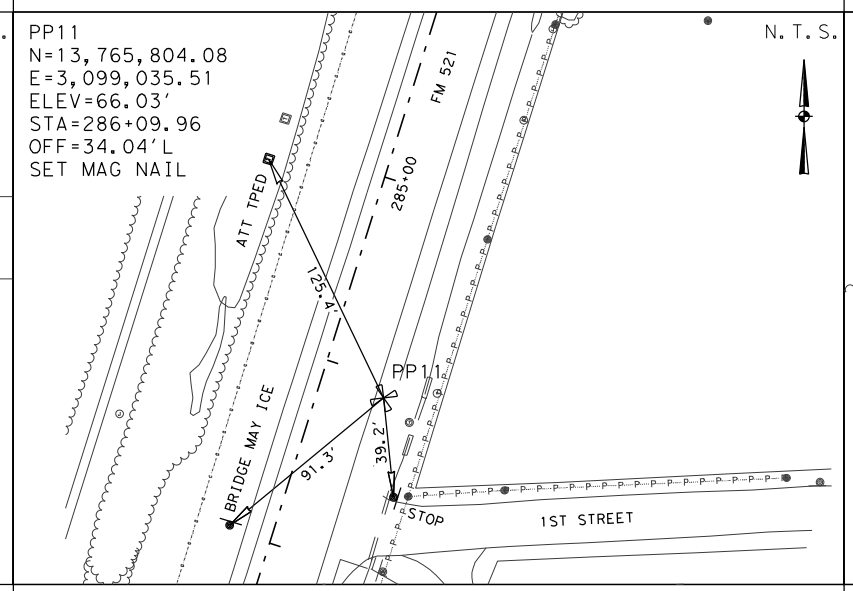
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

PP11R
N=13,765,738.28
E=3,099,234.86
ELEV=65.27'
STA=286+12.86
OFF=243.94'L
SET X IN CONC.



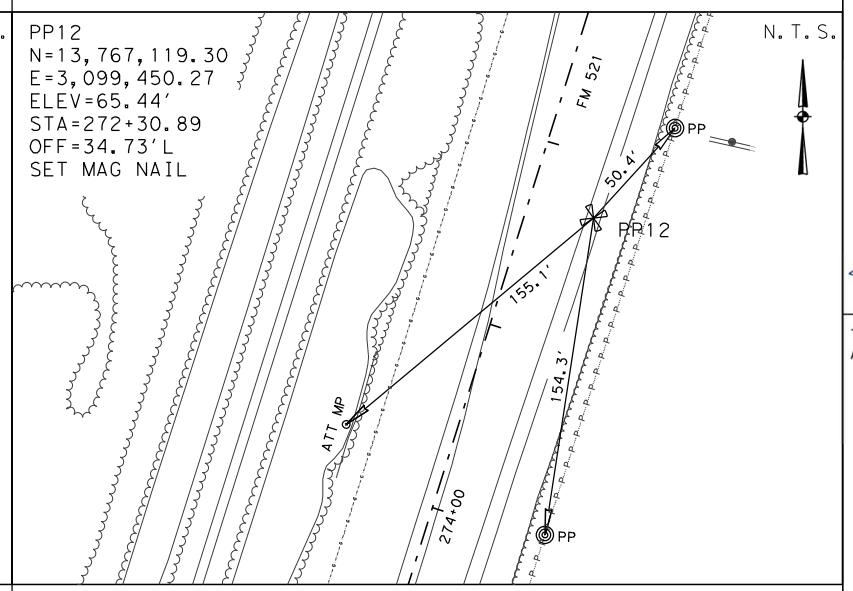
STATION IS LOCATED ON THE SOUTH EDGE OF 1ST STREET AND LYING 248.3 FEET EAST OF THE JUNCTION OF 1ST STREET/FM 521.

PP11
N=13,765,804.08
E=3,099,035.51
ELEV=66.03'
STA=286+09.96
OFF=34.04'L
SET MAG NAIL



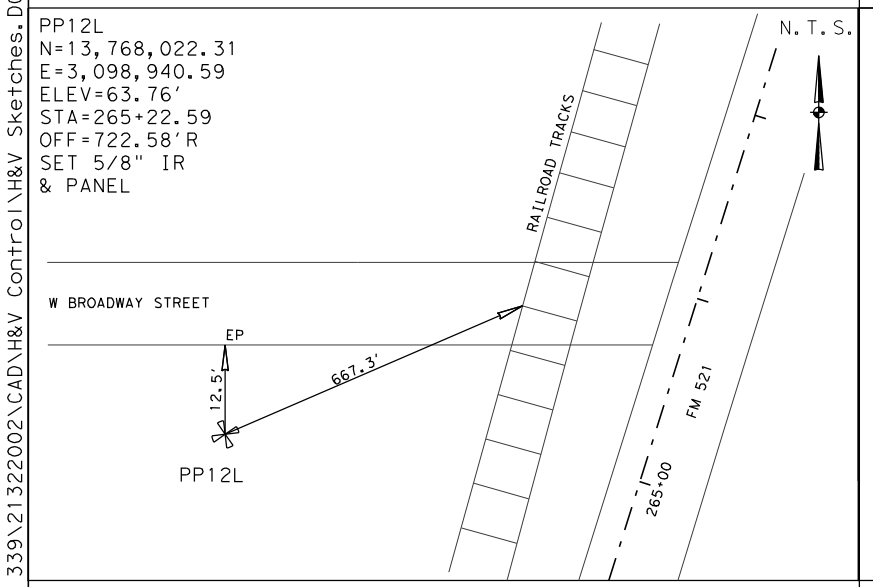
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.97 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP12
N=13,767,119.30
E=3,099,450.27
ELEV=65.44'
STA=272+30.89
OFF=34.73'L
SET MAG NAIL



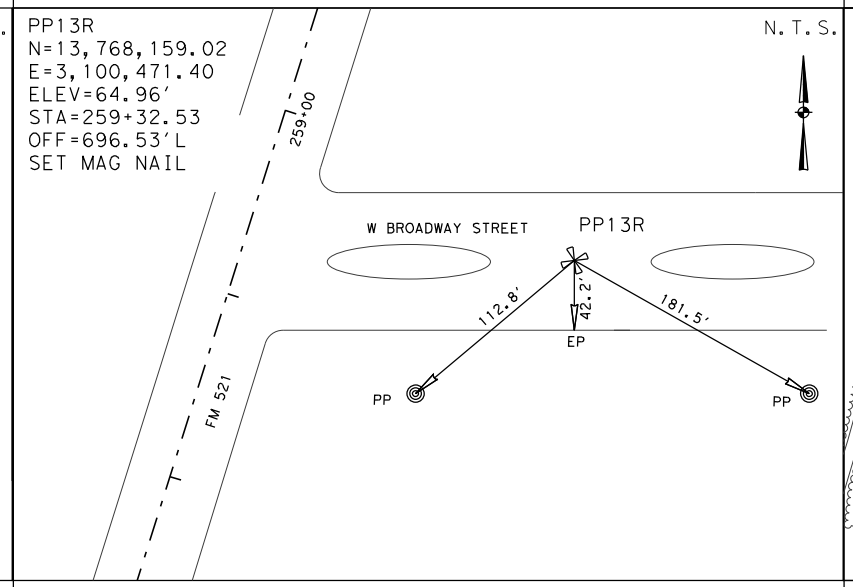
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 3.23 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

PP12L
N=13,768,022.31
E=3,098,940.59
ELEV=63.76'
STA=265+22.59
OFF=722.58'R
SET 5/8" IR
& PANEL



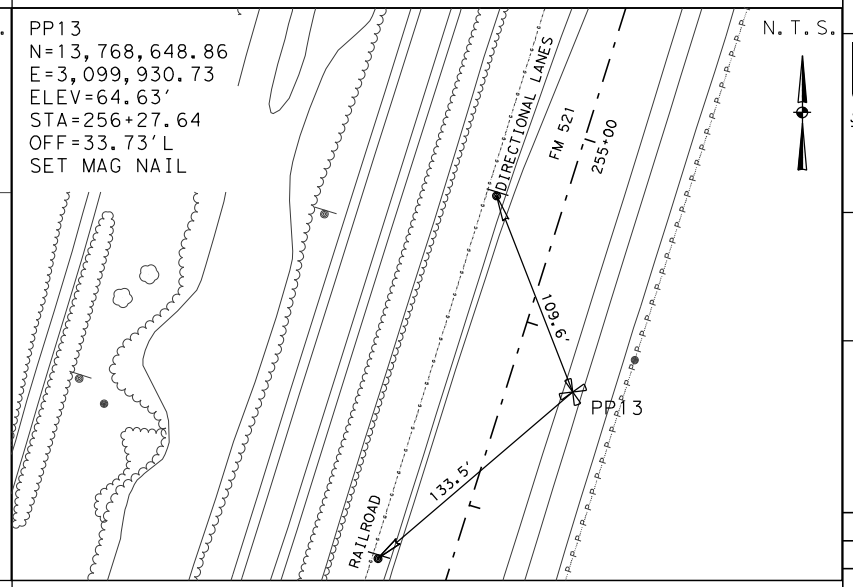
STATION IS LOCATED ON THE SOUTH SIDE OF W BROADWAY STREET AND LYING 790.8 FEET WEST OF THE JUNCTION OF W BROADWAY STREET/FM 521.

PP13R
N=13,768,159.02
E=3,100,471.40
ELEV=64.96'
STA=259+32.53
OFF=696.53'L
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF W BROADWAY STREET AND LYING 733.2 FEET EAST OF THE JUNCTION OF W BROADWAY STREET/FM 521.

PP13
N=13,768,648.86
E=3,099,930.73
ELEV=64.63'
STA=256+27.64
OFF=33.73'L
SET MAG NAIL



STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.99 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION NO. 10030700

GPS
Right-of-Way
Transportation
Land Development

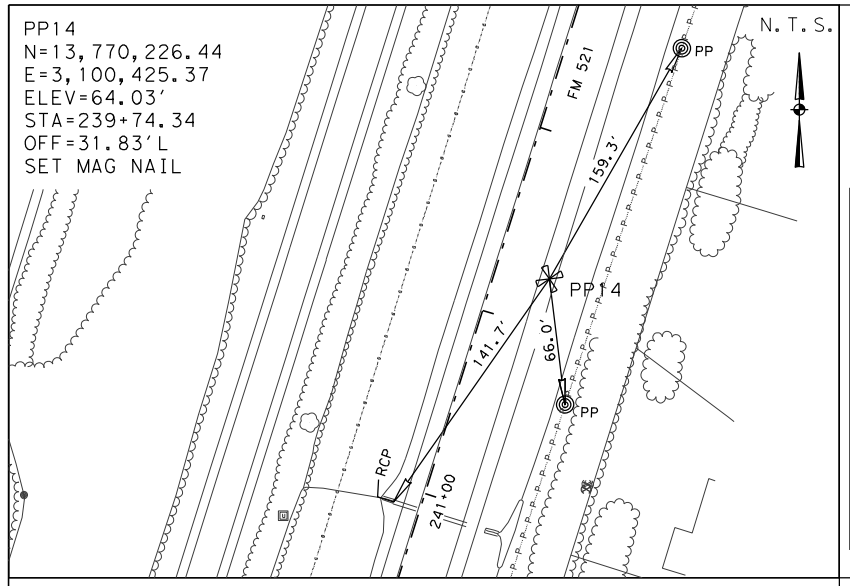
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				35
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

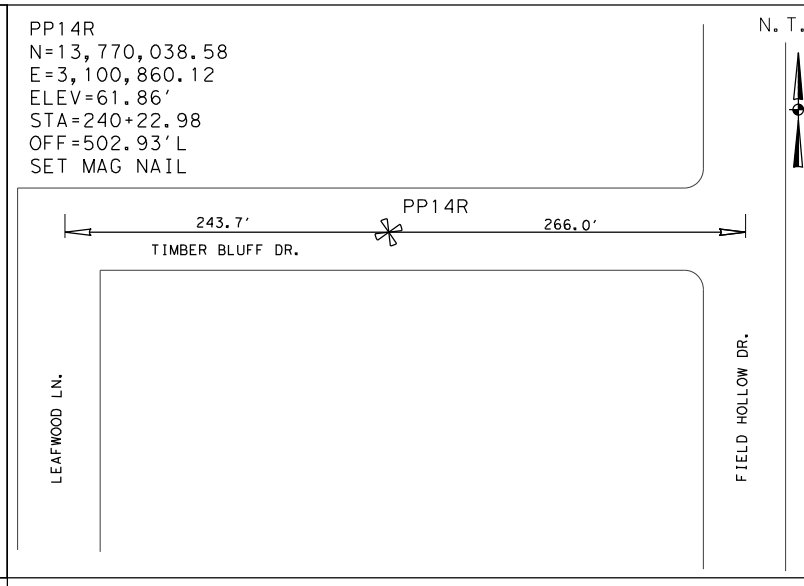
N:\LJA 339\2132002\CAD\H&V Control\H&V Sketches.DGN

PP14
N=13,770,226.44
E=3,100,425.37
ELEV=64.03'
STA=239+74.34
OFF=31.83'L
SET MAG NAIL



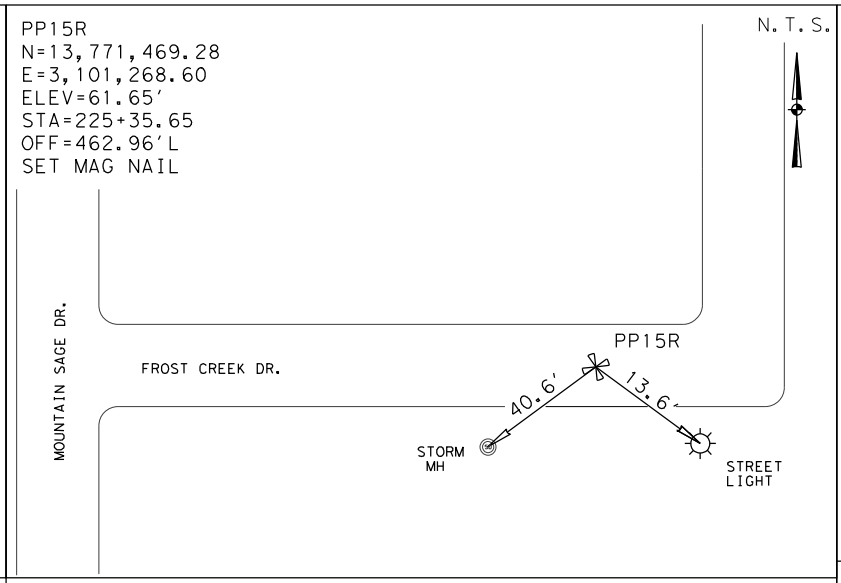
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.68 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP14R
N=13,770,038.58
E=3,100,860.12
ELEV=61.86'
STA=240+22.98
OFF=502.93'L
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF TIMBER BLUFF DRIVE AND LYING 266.0 FEET WEST OF THE JUNCTION OF TIMBER BLUFF DRIVE/FIELD HOLLOW DRIVE.

PP15R
N=13,771,469.28
E=3,101,268.60
ELEV=61.65'
STA=225+35.65
OFF=462.96'L
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF FROST CREEK DRIVE AND LYING 208.7 FEET EAST OF THE JUNCTION OF FROST CREEK DRIVE/MOUNTAIN SAGE DRIVE.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

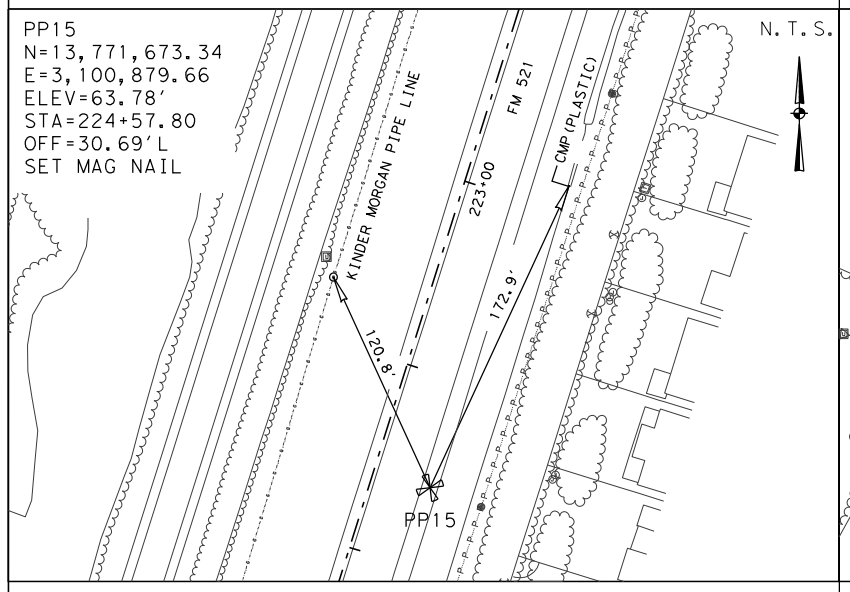
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

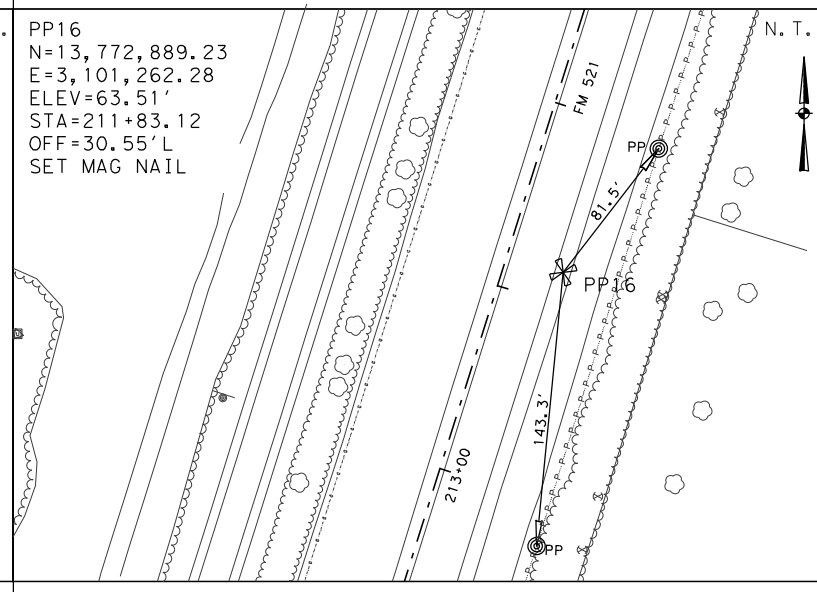
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

PP15
N=13,771,673.34
E=3,100,879.66
ELEV=63.78'
STA=224+57.80
OFF=30.69'L
SET MAG NAIL



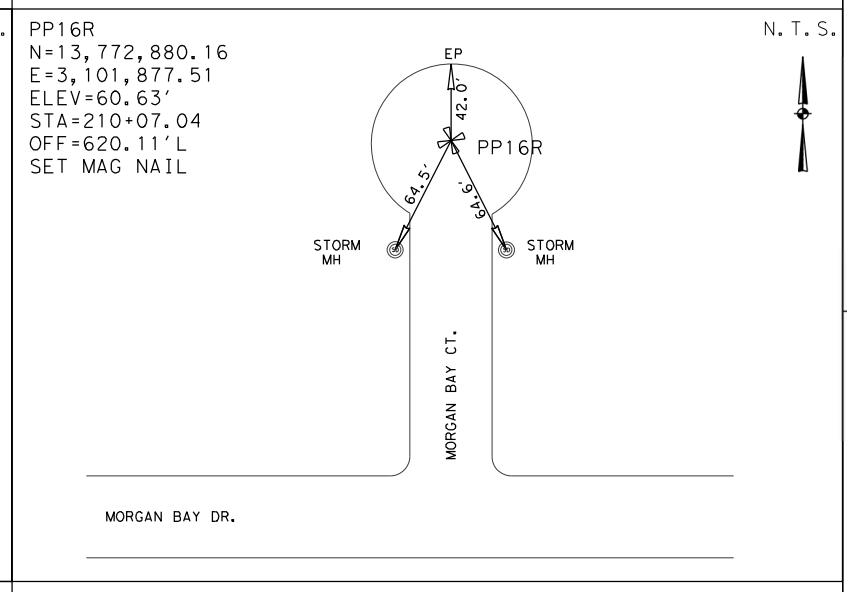
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.39 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP16
N=13,772,889.23
E=3,101,262.28
ELEV=63.51'
STA=211+83.12
OFF=30.55'L
SET MAG NAIL



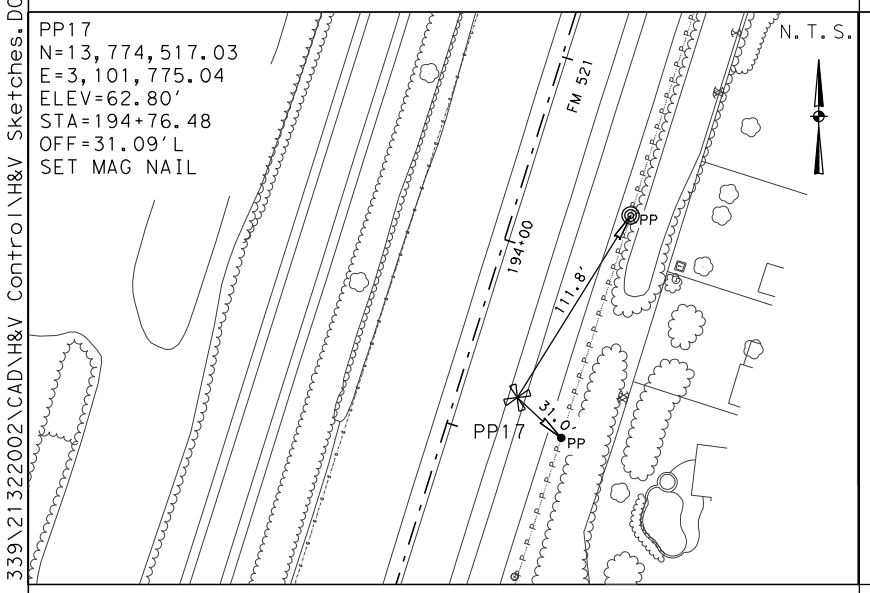
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.15 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP16R
N=13,772,880.16
E=3,101,877.51
ELEV=60.63'
STA=210+07.04
OFF=620.11'L
SET MAG NAIL



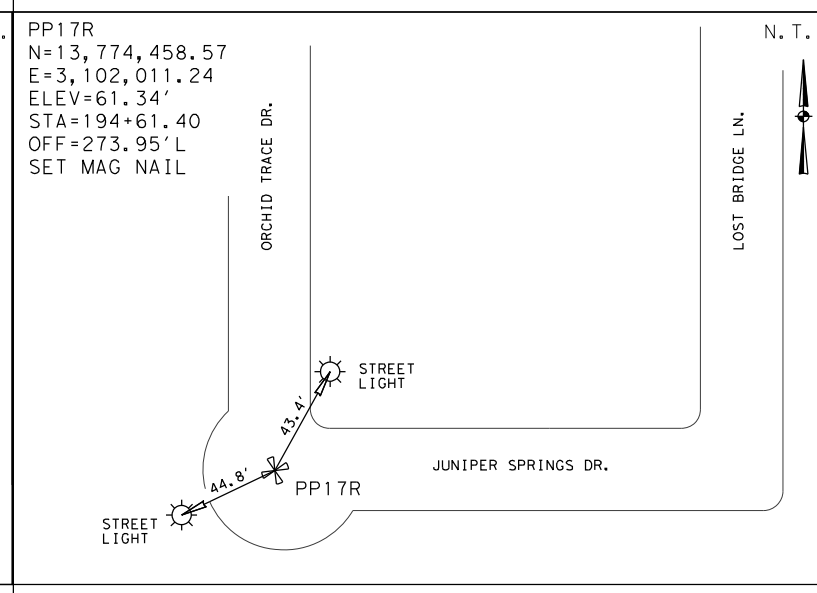
STATION IS LOCATED IN THE CENTER OF MORGAN BAY COURT CULDESAC AND LYING 260.7 FEET NORTH OF THE JUNCTION OF MORGAN BAY COURT/MORGAN BAY DRIVE.

PP17
N=13,774,517.03
E=3,101,775.04
ELEV=62.80'
STA=194+76.48
OFF=31.09'L
SET MAG NAIL



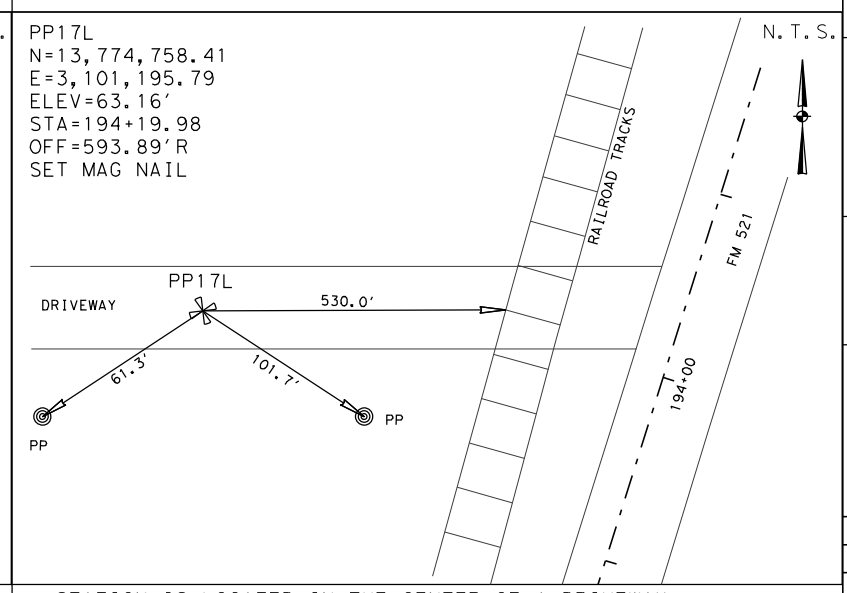
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.83 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP17R
N=13,774,458.57
E=3,102,011.24
ELEV=61.34'
STA=194+61.40
OFF=273.95'L
SET MAG NAIL



STATION IS LOCATED AT THE INTERSECTION OF JUNIPER SPRINGS DRIVE AND ORCHID TRACE DRIVE AND LYING 263.9 FEET WEST OF THE JUNCTION OF JUNIPER SPRINGS DRIVE/LOST BRIDGE LANE.

PP17L
N=13,774,758.41
E=3,101,195.79
ELEV=63.16'
STA=194+19.98
OFF=593.89'R
SET MAG NAIL



STATION IS LOCATED IN THE CENTER OF A DRIVEWAY AND LYING 645.7 FEET WEST OF FM 521 AND 1.77 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

Survey Date: DECEMBER 2015

RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION NO. 10030700

GPS Right-of-Way Transportation Land Development

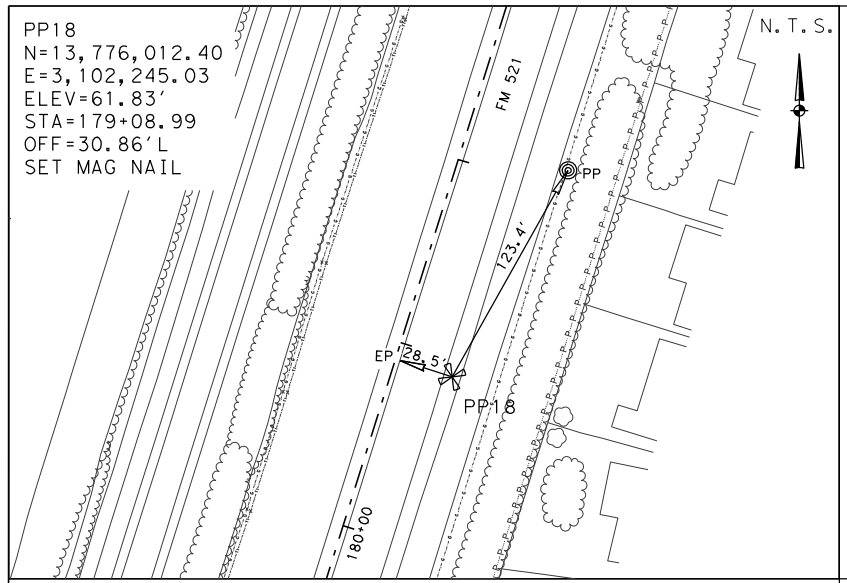
Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				36
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

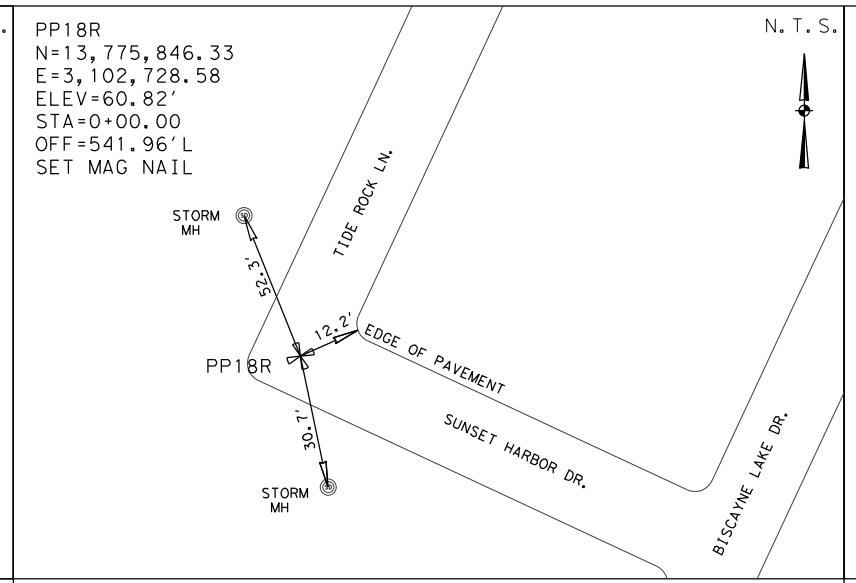
N:\LJA 339\2132002\CAD\H&V Control\H&V Sketches.DGN

PP18
N=13,776,012.40
E=3,102,245.03
ELEV=61.83'
STA=179+08.99
OFF=30.86'L
SET MAG NAIL



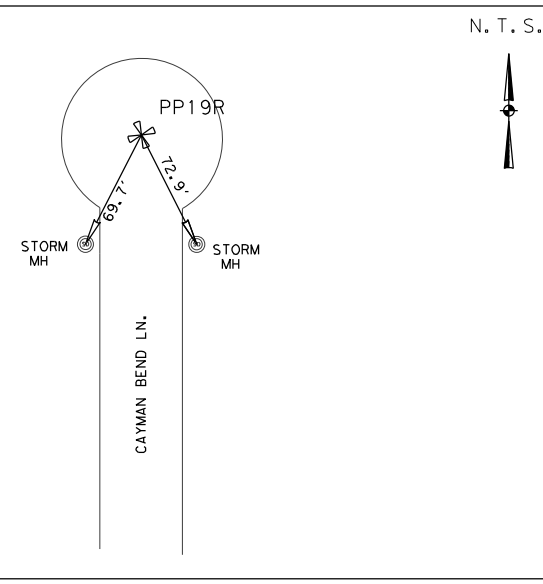
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.53 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP18R
N=13,775,846.33
E=3,102,728.58
ELEV=60.82'
STA=0+00.00
OFF=541.96'L
SET MAG NAIL



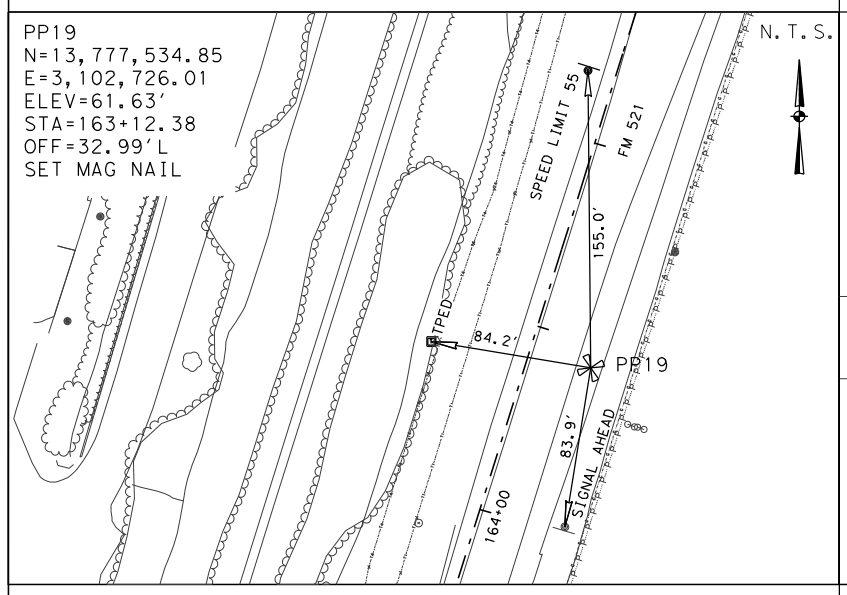
STATION IS LOCATED AT THE INTERSECTION OF SUNSET HARBOR DRIVE AND TIDE ROCK LANE AND LYING 484.3 FEET WEST OF THE JUNCTION OF SUNSET HARBOR DRIVE/BISCAYNE LAKE DRIVE.

PP19R
N=13,777,341.89
E=3,103,765.49
ELEV=60.44'
STA=164+05.71
OFF=379.42'L
SET MAG NAIL



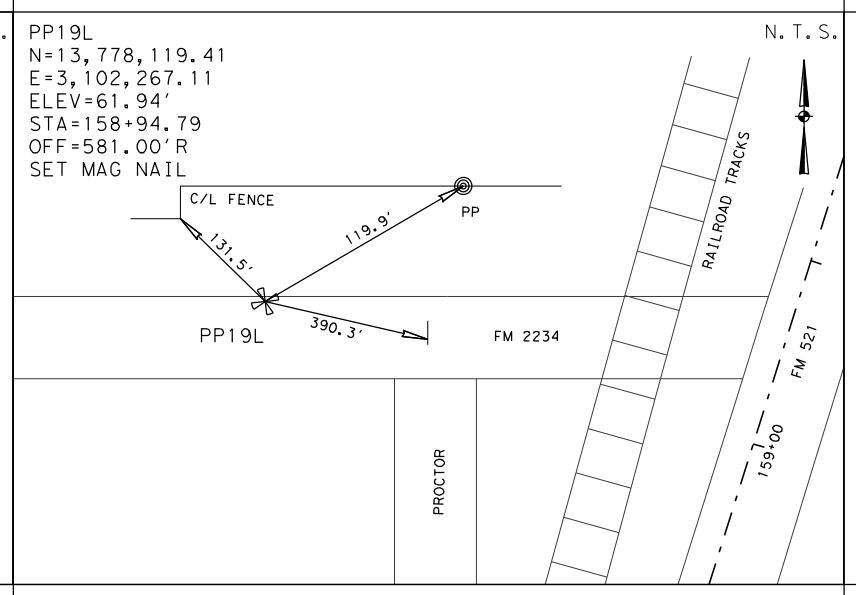
STATION IS LOCATED IN THE CENTER OF CAYMAN BEND LANE CULDESAC AND LYING 544.2 FEET NORTH OF THE JUNCTION OF CAYMAN BEND LANE/SUNSET SPRINGS DRIVE.

PP19
N=13,777,534.85
E=3,102,726.01
ELEV=61.63'
STA=163+12.38
OFF=32.99'L
SET MAG NAIL



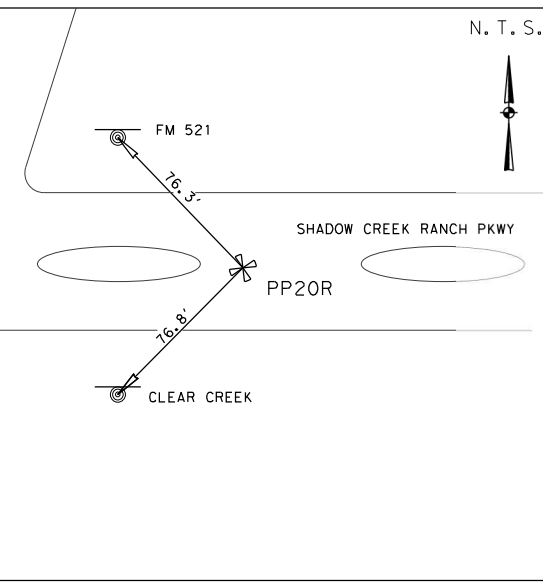
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.23 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP19L
N=13,778,119.41
E=3,102,267.11
ELEV=61.94'
STA=158+94.79
OFF=581.00'R
SET MAG NAIL



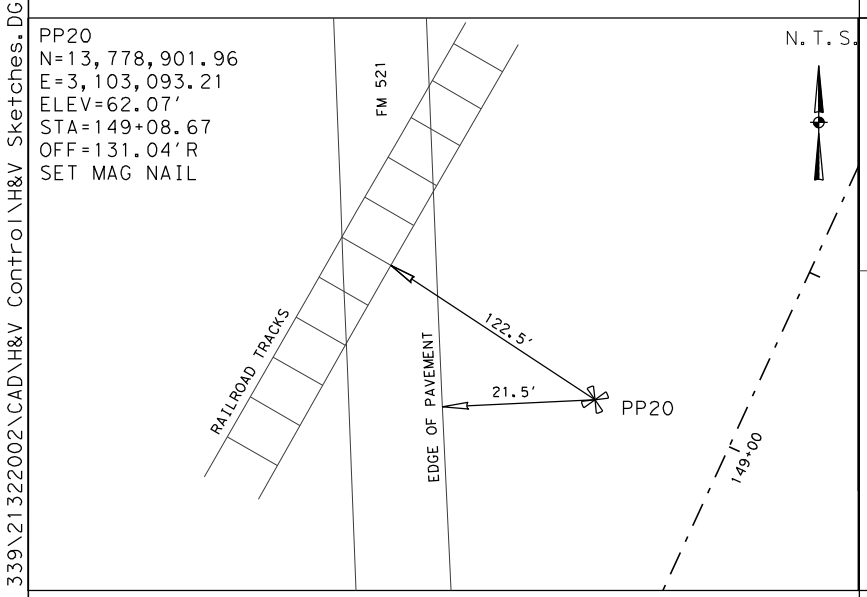
STATION IS LOCATED ON THE NORTH EDGE OF FM 2234 AND LYING 617.5 FEET WEST OF THE JUNCTION OF FM 2234/FM 521.

PP20R
N=13,778,063.87
E=3,103,765.68
ELEV=66.72'
STA=Off Chain
OFF=830.48'L
SET X IN CONC.



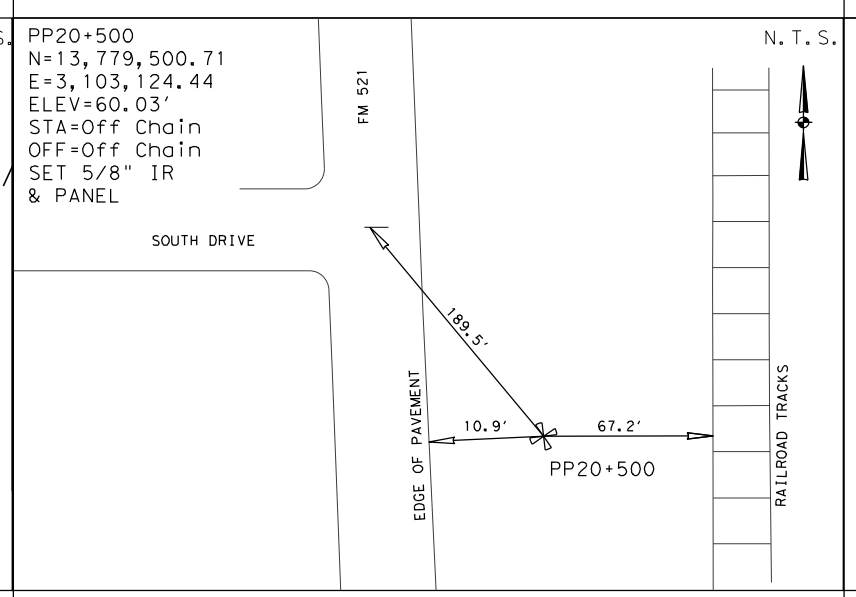
STATION IS LOCATED IN THE CENTER OF SHADOW CREEK RANCH PARKWAY AND LYING 882.9 FEET EAST OF THE JUNCTION OF SHADOW CREEK RANCH PARKWAY/FM 521.

PP20
N=13,778,901.96
E=3,103,093.21
ELEV=62.07'
STA=149+08.67
OFF=131.04'R
SET MAG NAIL



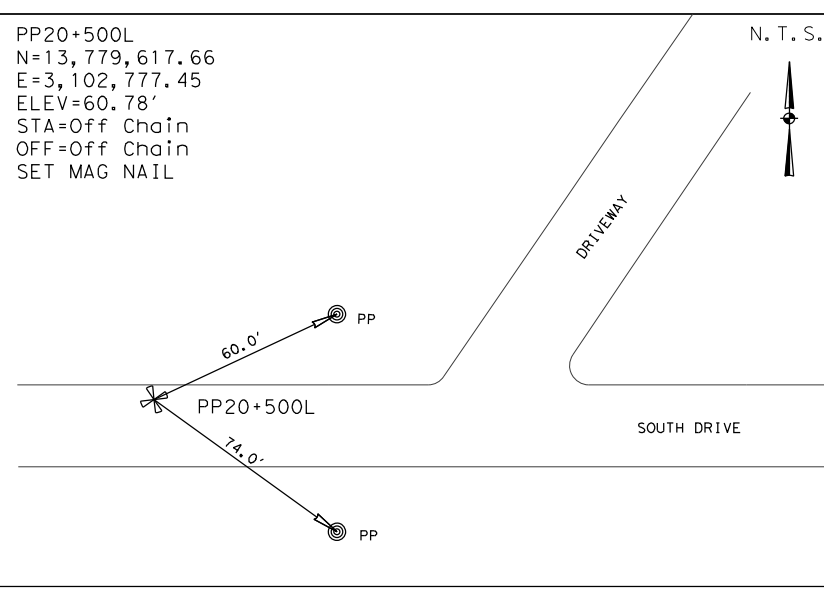
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.96 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP20+500
N=13,779,500.71
E=3,103,124.44
ELEV=60.03'
STA=Off Chain
OFF=Off Chain
SET 5/8" IR
& PANEL



STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.85 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

PP20+500L
N=13,779,617.66
E=3,102,777.45
ELEV=60.78'
STA=Off Chain
OFF=Off Chain
SET MAG NAIL



STATION IS LOCATED ON THE NORTH SIDE OF SOUTH DRIVE AND LYING 389.0 FEET WEST OF THE JUNCTION OF FM 521 AND SOUTH DRIVE.

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).

2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)

3. COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES, AND MAY BE CONVERTED TO GRID VALUES BY DIVIDING BY THE TxDOT SURFACE ADJUSTMENT FACTOR FOR HARRIS COUNTY OF 1.00013.

4. HORIZONTAL COORDINATES ARE BASED ON GPS RTN MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.

5. ELEVATIONS HAVE BEEN ESTABLISHED VIA DIGITAL LEVELING, HOLDING FIXED THE PUBLISHED ELEVATION OF CONTROL POINT H-1, BEING 54.73' (NAVD88; 2001 ADJ.). TO CONVERT PROJECT ELEVATIONS TO NAVD88 (GEOID MOD. 12A) DATUM, SUBTRACT 0.45'.

THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.

STATE OF TEXAS
REGISTERED
JIMMY D. WALTON
5889
PROFESSIONAL
LAND SURVEYOR

5-19-2017

THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

Survey Date: DECEMBER 2015

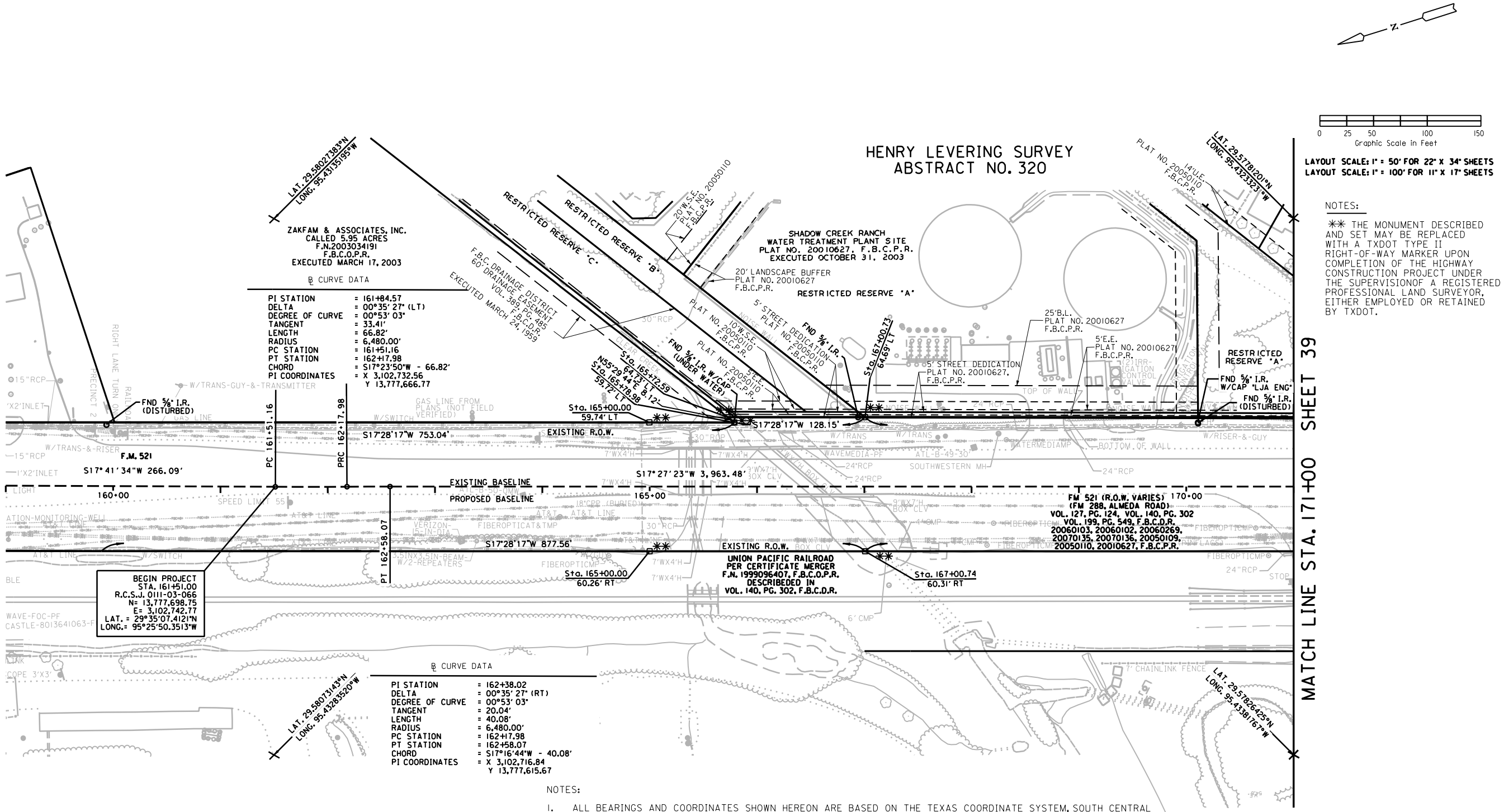
RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION NO. 10030700
GPS Right-of-Way Transportation Land Development

Texas Department of Transportation

FM 521
HORIZONTAL AND VERTICAL CONTROL SHEET

FEDERAL AID PROJECT NO.				SHEET NO.
SEE COVER SHEET				37
FED. RD. DIV. NO.	STATE	DISTRICT		COUNTY
6	TEXAS	HOUSTON		FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB	HIGHWAY
12	0111	03	066	FM 521

N:\LJA 339\2132002\CAD\H&V Control\H&V Sketches.DGN



NOTES:

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NOTES:

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2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT), AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

6. FIELD SURVEYS COMPLETED IN JULY, 2019.

7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.

8. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

9. TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

Texas Department of Transportation

LJA Surveying, Inc.
2929 Briarpark Drive
Suite 175
Houston, Texas 77042
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	38

PROJECT NO. 2694-1901-100

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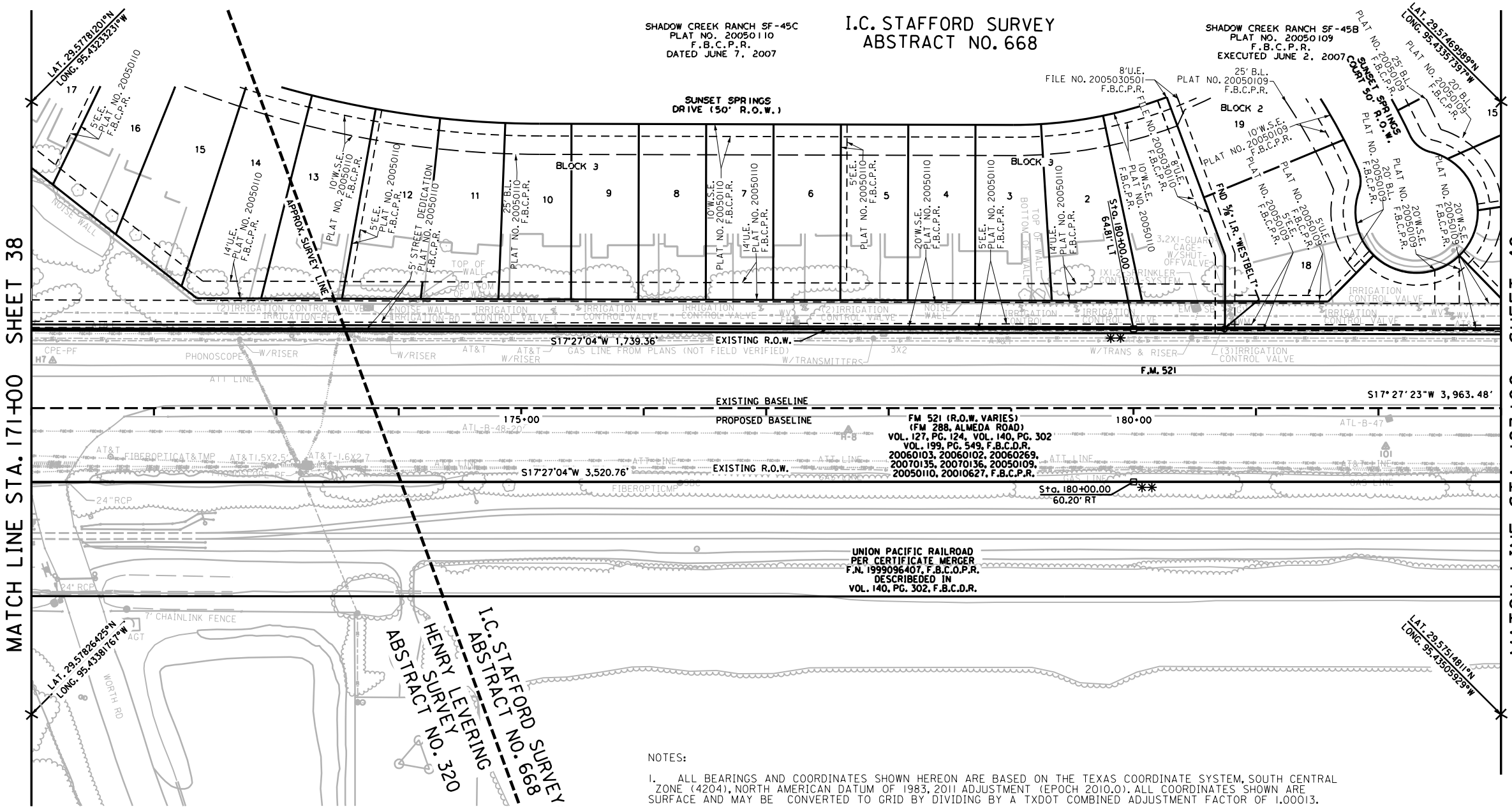
11/20/2019



LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

NOTES:

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4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

6. FIELD SURVEYS COMPLETED IN JULY, 2019.

7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.

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	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	39

PROJECT NO. 2694-1901-100

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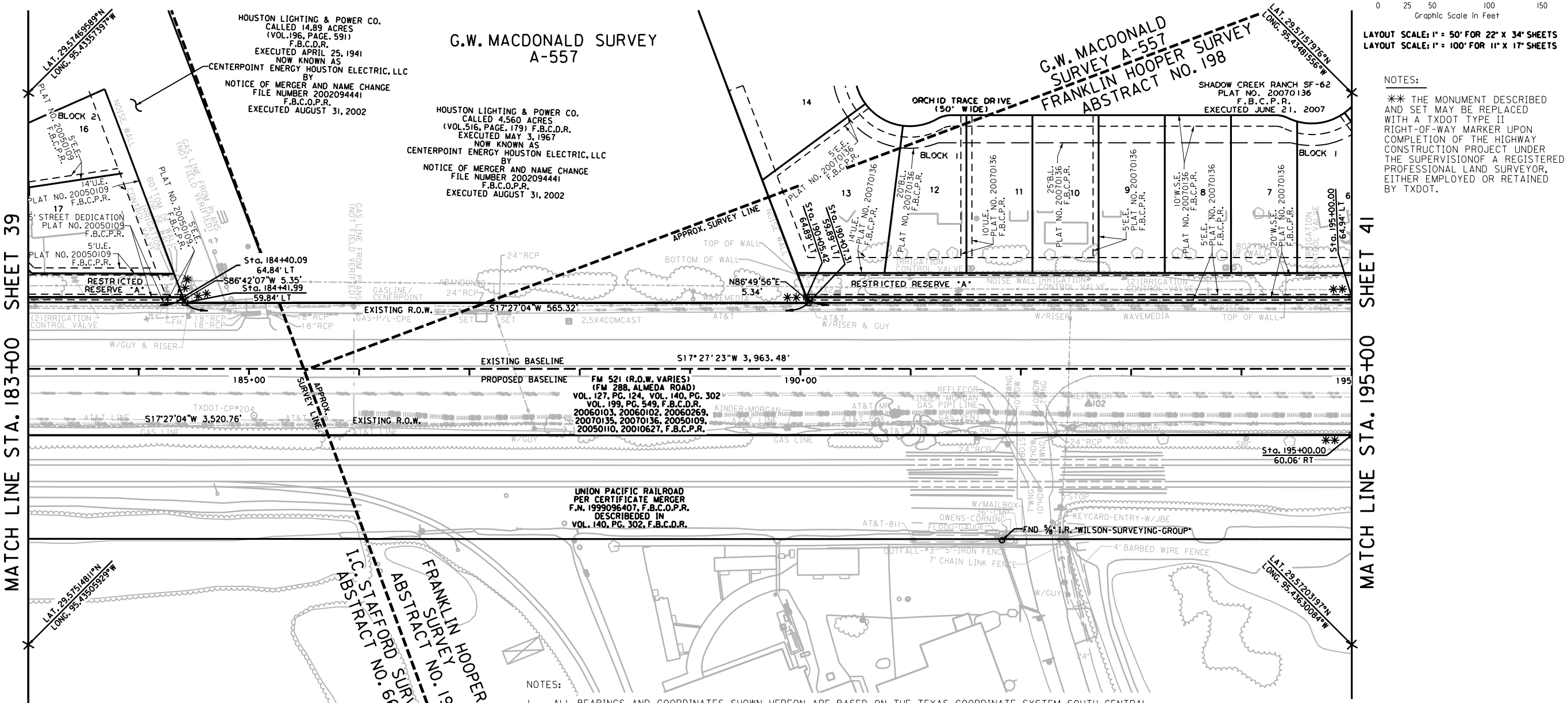
11/20/2019



LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

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5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

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7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.

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	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	40

PROJECT NO. 2694-1901-100

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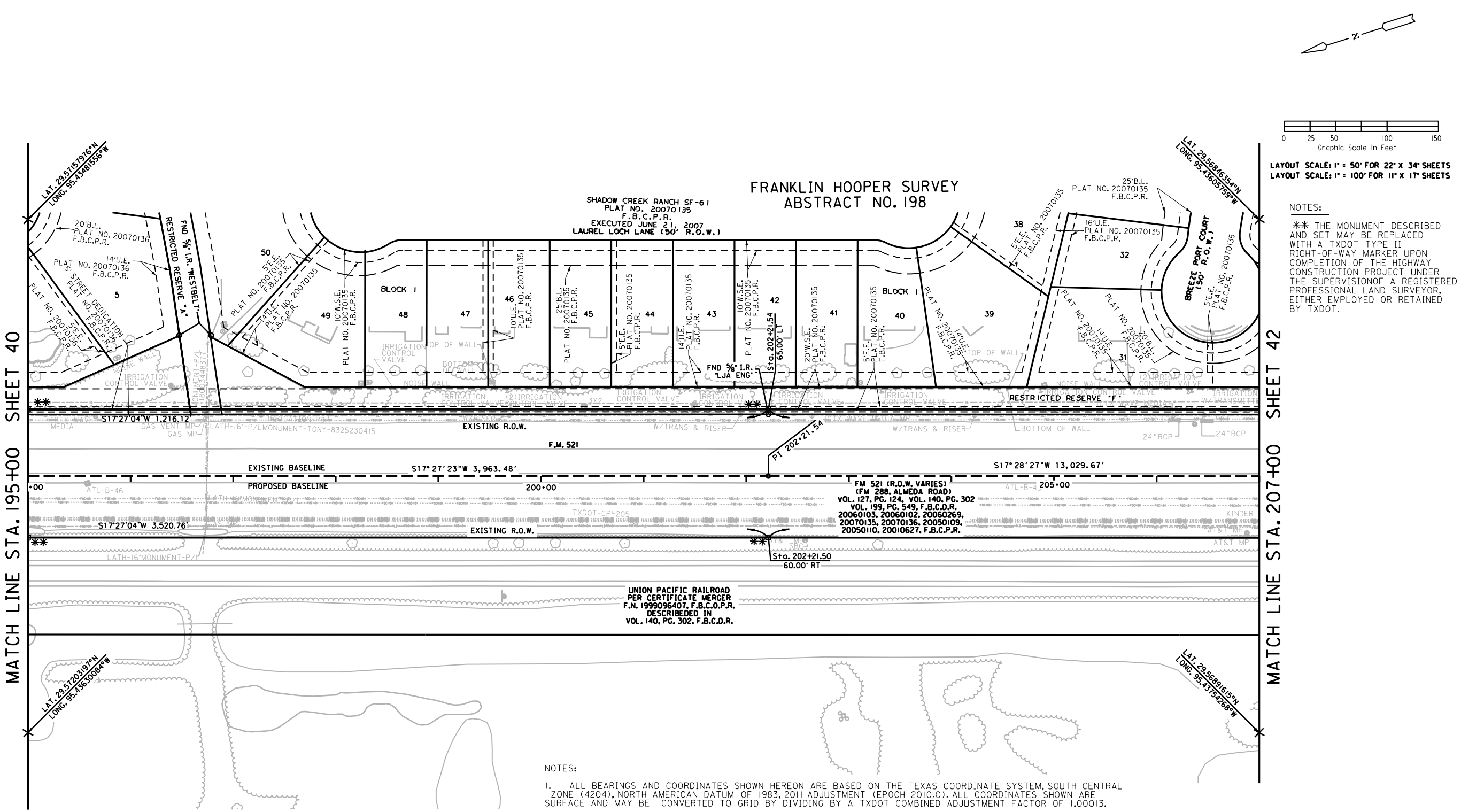
11/20/2019



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LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

NOTES:

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NOTES:

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2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT), AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.

4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	41

PROJECT NO. 2694-1901-100

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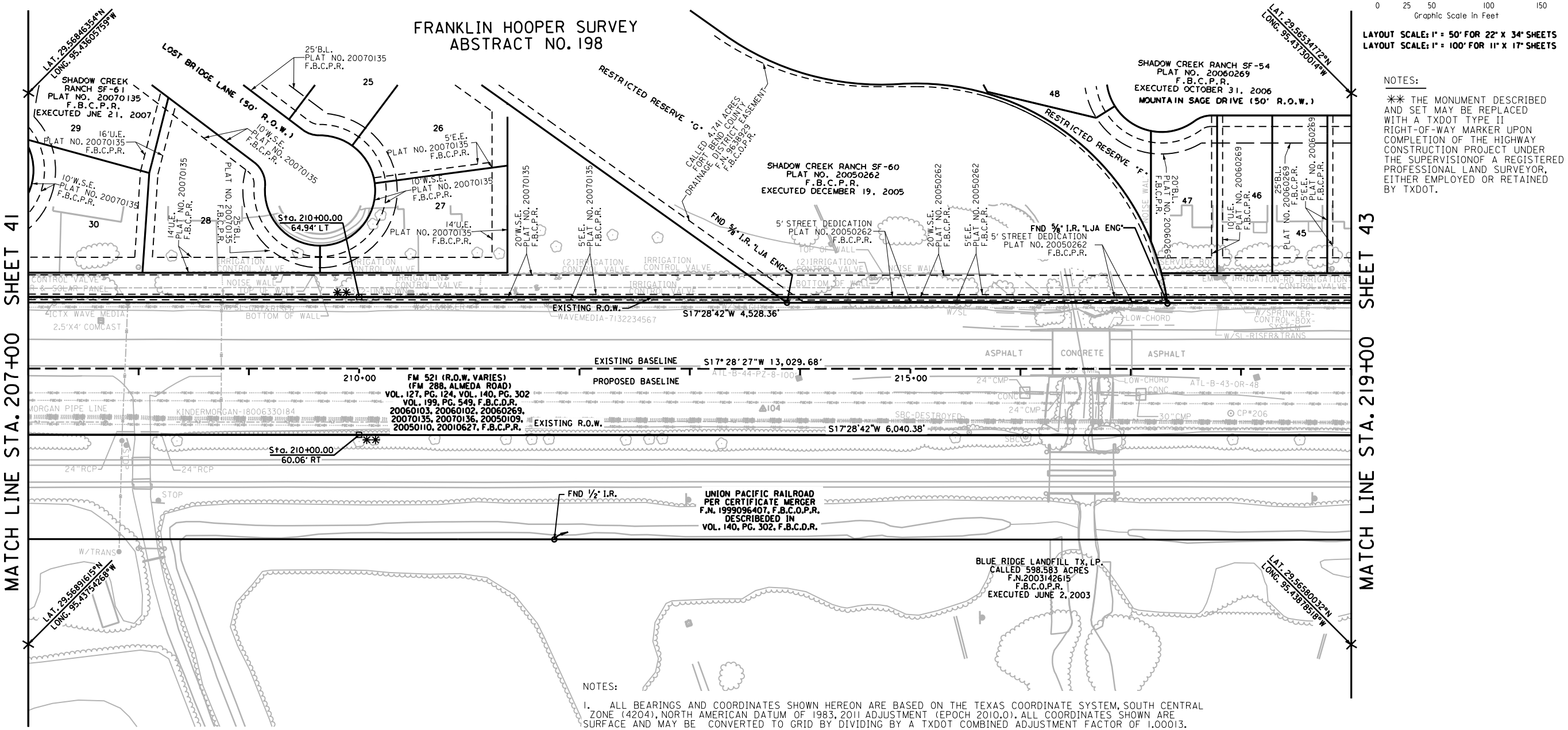
11/20/2019



0 25 50 100 150
Graphic Scale in Feet

LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

NOTES:

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NOTES:

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2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).

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4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

6. FIELD SURVEYS COMPLETED IN JULY, 2019.

7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.

8. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

9. TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

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T.B.P.L.S. Firm No. 10194382

	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	42

PROJECT NO. 2694-1901-100

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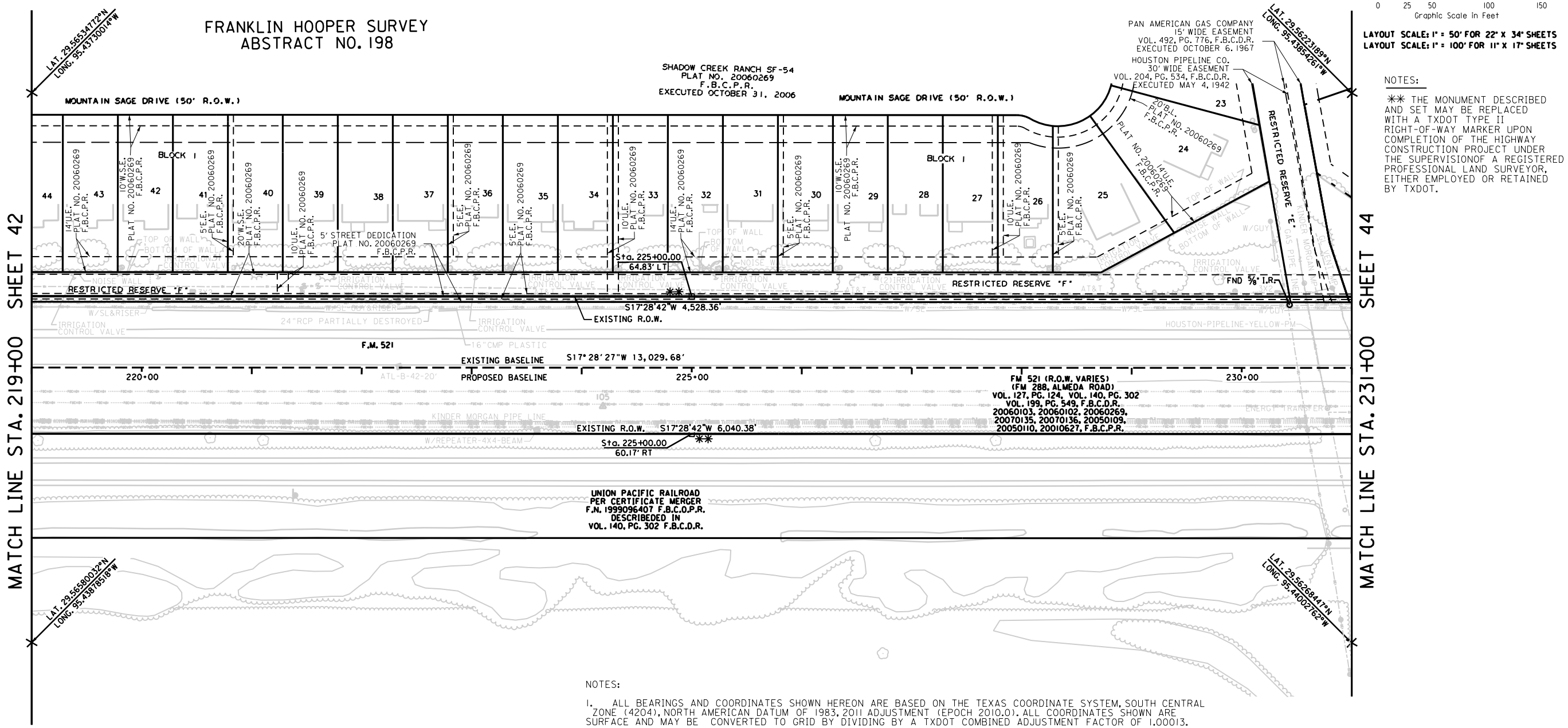

LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

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NOTES:

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	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	43

PROJECT NO. 2694-1901-100

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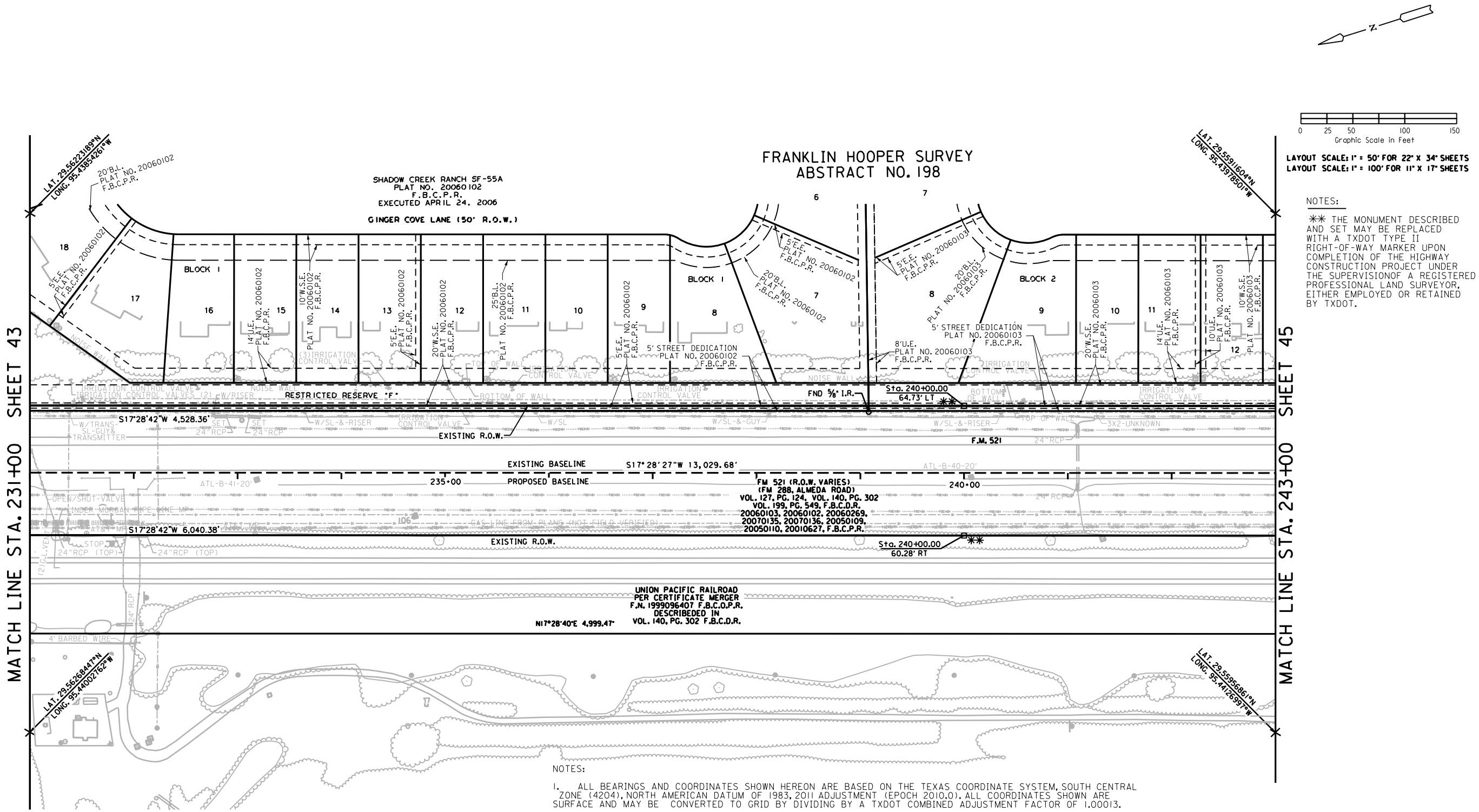
11/20/2019



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5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

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	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	44

PROJECT NO. 2694-1901-100

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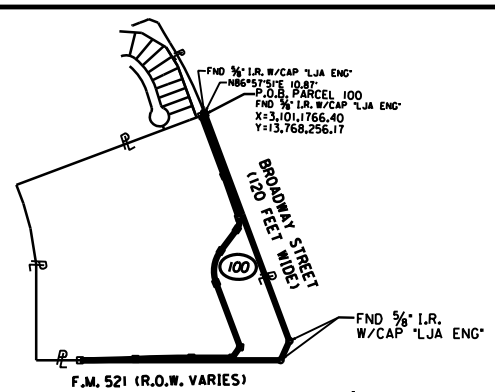
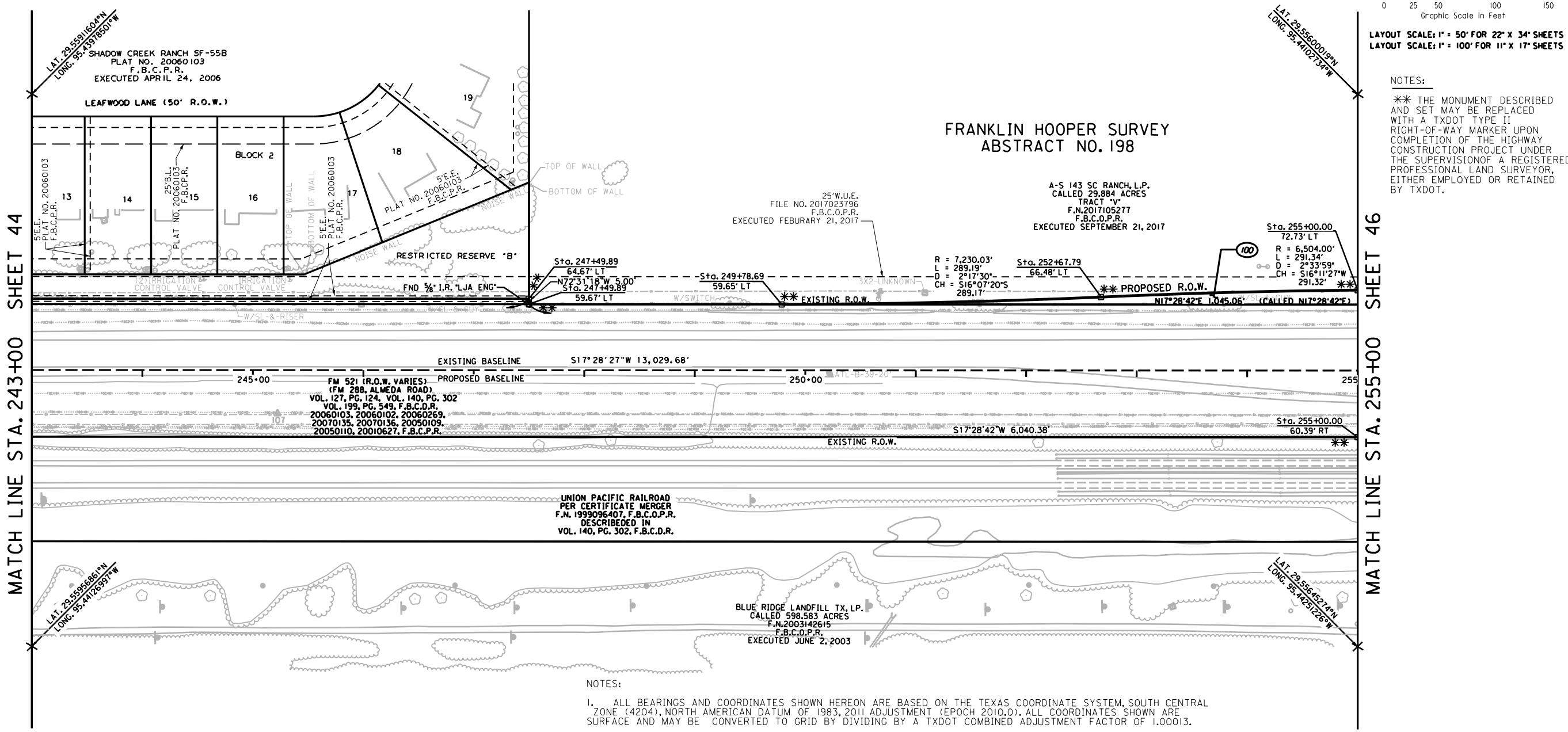
11/20/2019



PARENT TRACT INSET
PARCEL 100
N.T.S.



FRANKLIN HOOPER SURVEY
ABSTRACT NO. 198

0 25 50 100 150
Graphic Scale in Feet

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FRANKLIN HOOPER SURVEY, A-198

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4.1226 179,581	25.7617	

NOTES:

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5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
6. FIELD SURVEYS COMPLETED IN JULY, 2019.
7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
8. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.
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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	45

PROJECT NO. 2694-1901-100

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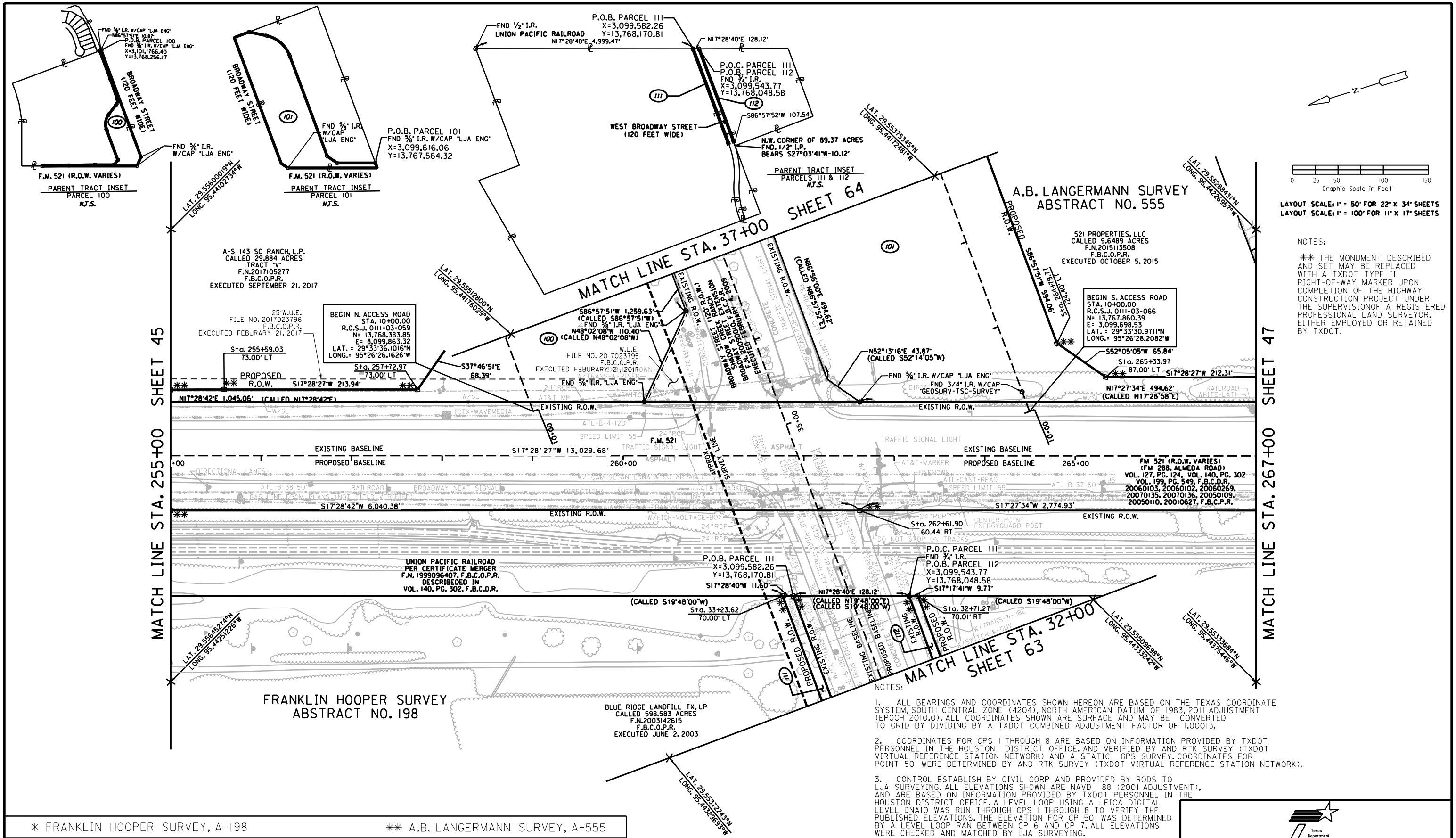
11/26/2019



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* FRANKLIN HOOPER SURVEY, A-198 ** A.B. LANGERMANN SURVEY, A-555

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
*** 100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4.1226 179,581	25.7617	
** 101	9.6491 AC.			521 PROPERTIES LLC			4.6593 202,958	4.9899	
** 111	598.5833 AC.			BLUE RIDGE LANDFILL TX, LP.			0.5788 25,212	598.0045	
** 112	89.3773			D BAR J RANCH MANAGEMENT CO., LLC			0.4774 20,798		88.8996

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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	46

PROJECT NO. 2694-1901-100

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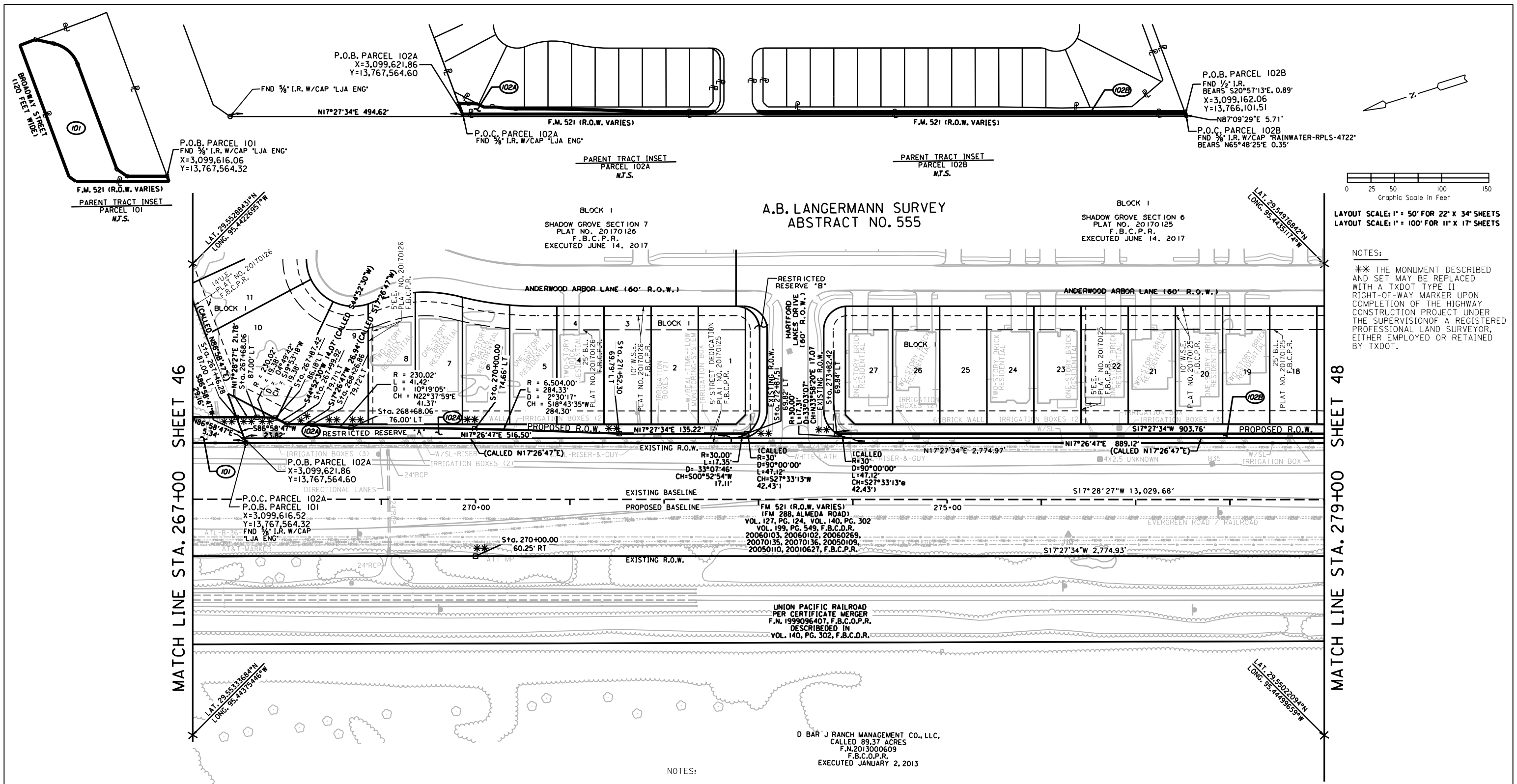
11/26/2019



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A.B. LANGERMANN · SURVEY, A-555

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101	9.6491 AC.			521 PROPERTIES LLC			4.6593 202,958	4.9899	
102A	18.8995 AC.			KB HOME LONE STAR INC			0.1193 5,195	18.7802	
102B	13.1391 AC.			KB HOME LONE STAR INC			0.0981 4,271	13.0506	

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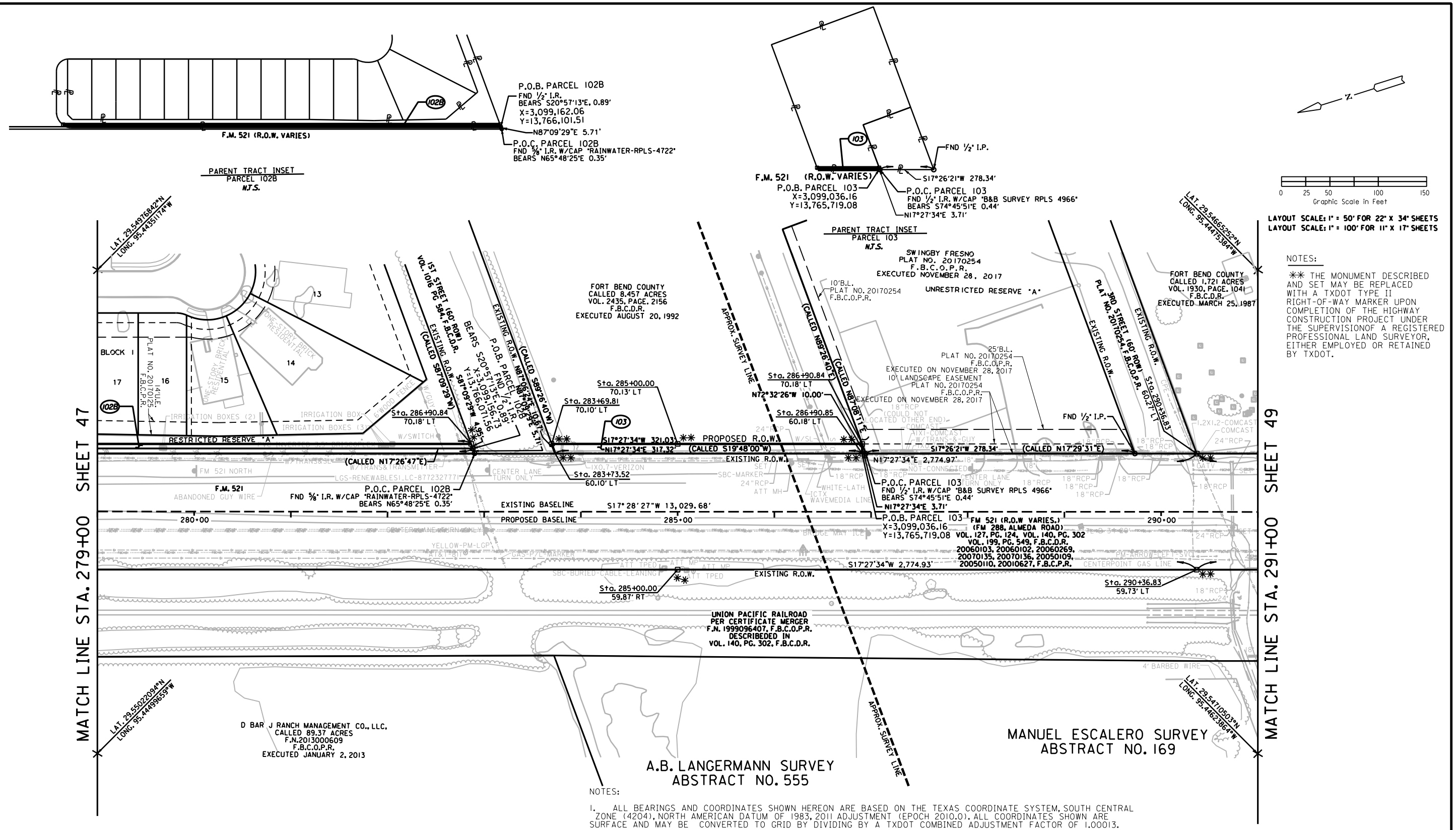
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	47

PROJECT NO. 2694-1901-100

I:\Projdsk\SURVEY\2694#1901#SUBMITTALS#1ST REDLINES RESUBMITTED 11819#FM521-ROW-Sht47.dgn
11/26/2019



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* A.B. LANGERMANN SURVEY, A-555 ** MANUEL ESCALERO SURVEY, A-169

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
* 102B	13.1391 AC.		1	KB HOME LONE STAR INC			0.0981 4.271	13.0506	
** 103	8.4583 AC.		1	FORT BEND COUNTY			0.0733 3.192	8.3850	

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6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	48

PROJECT NO. 2694-1901-100

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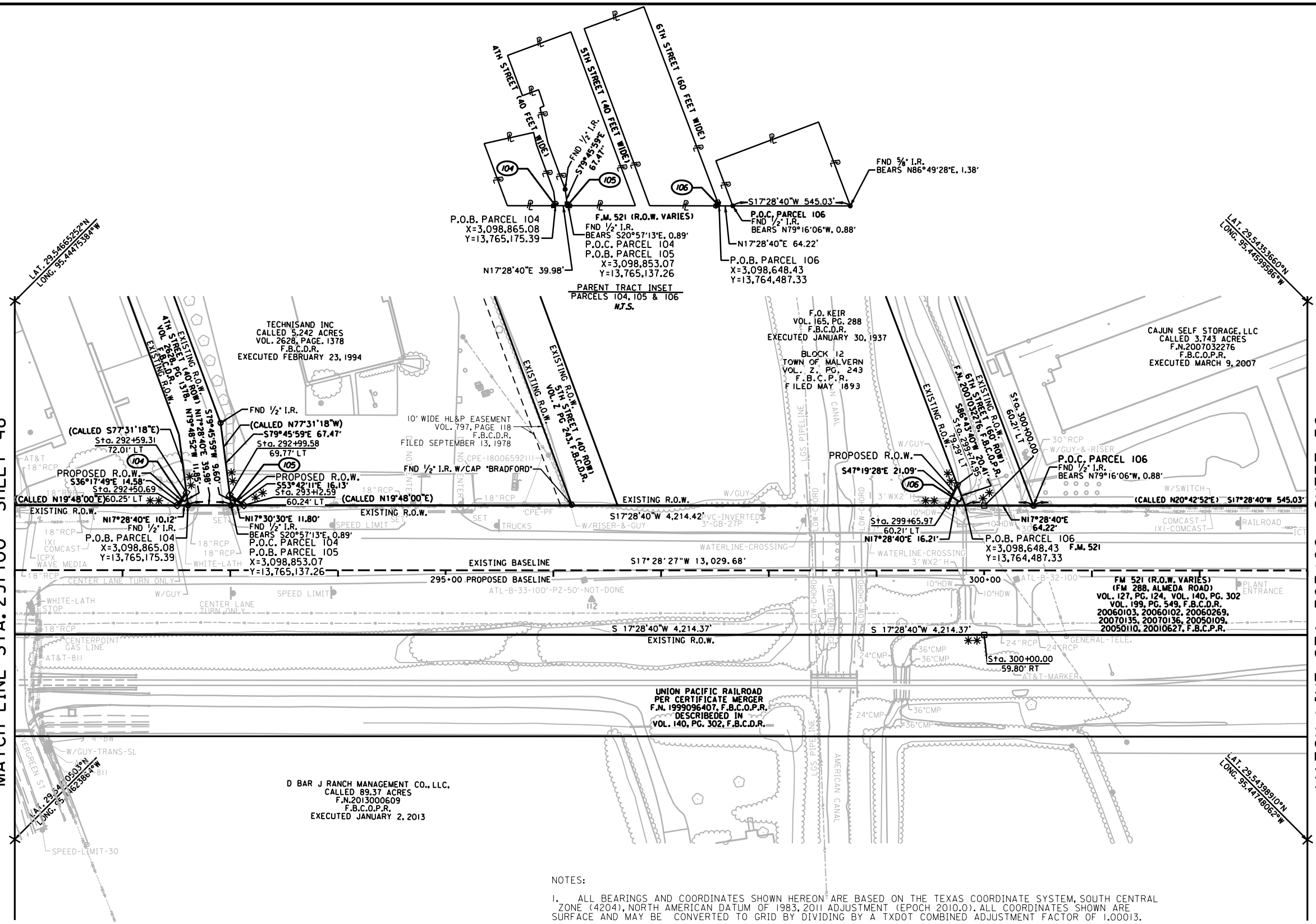
11/26/2019



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MANUEL ESCALERO SURVEY, A-169

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
104	1.7206 AC.			FORT BEND COUNTY			0.0014 59	1.7192	
105	5.2452 AC.			TECHNISAND INC			0.0013 56	5.2439	
106	6.3876 AC.			F.O. KEIR			0.0036 155	6.3841	

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5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
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7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		49

PROJECT NO. 2694-1901-100

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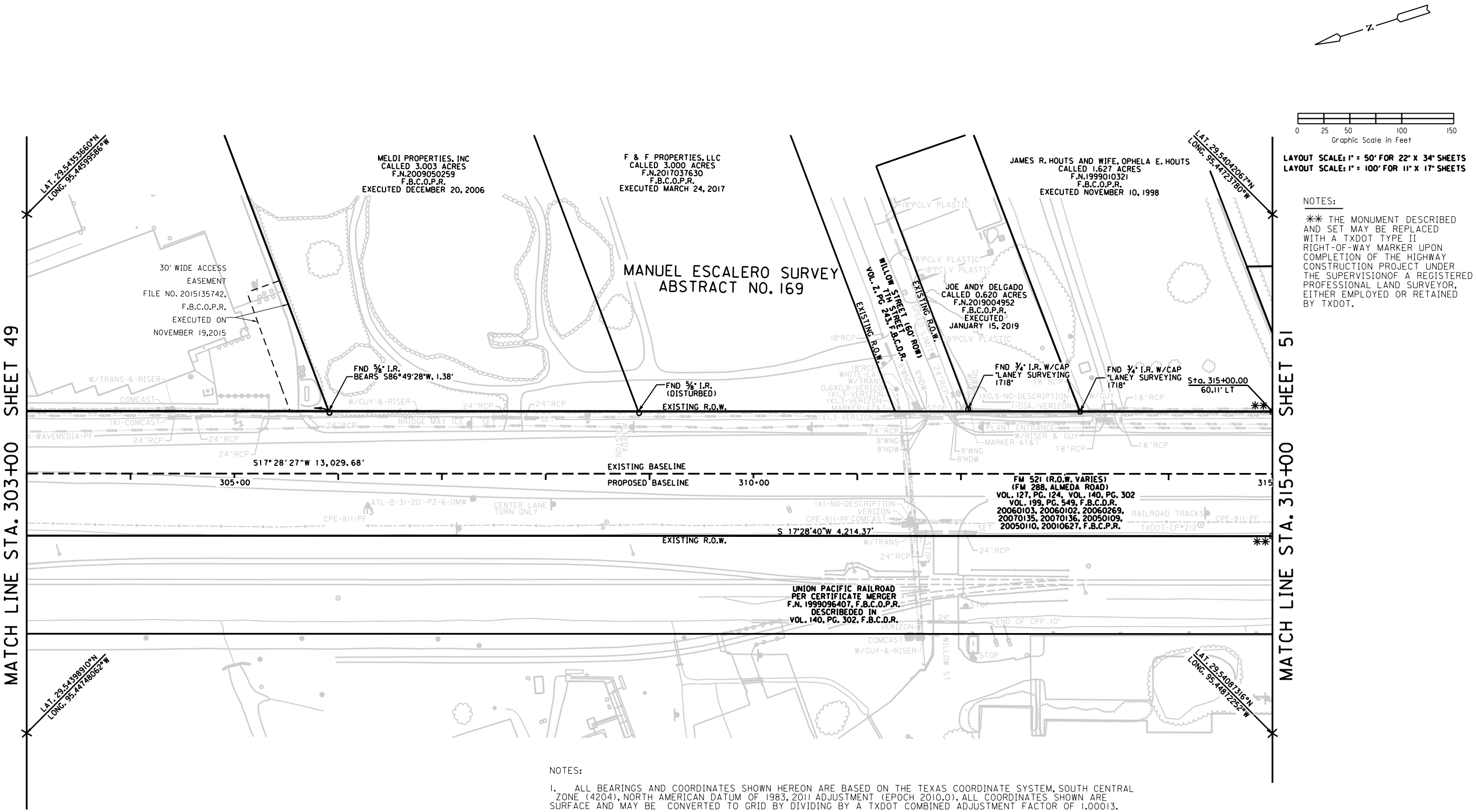
11/26/2019



LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

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	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	50

PROJECT NO. 2694-1901-100

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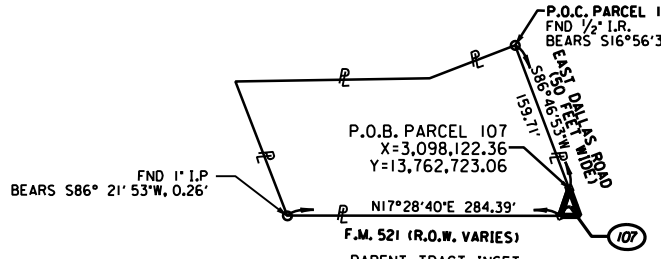
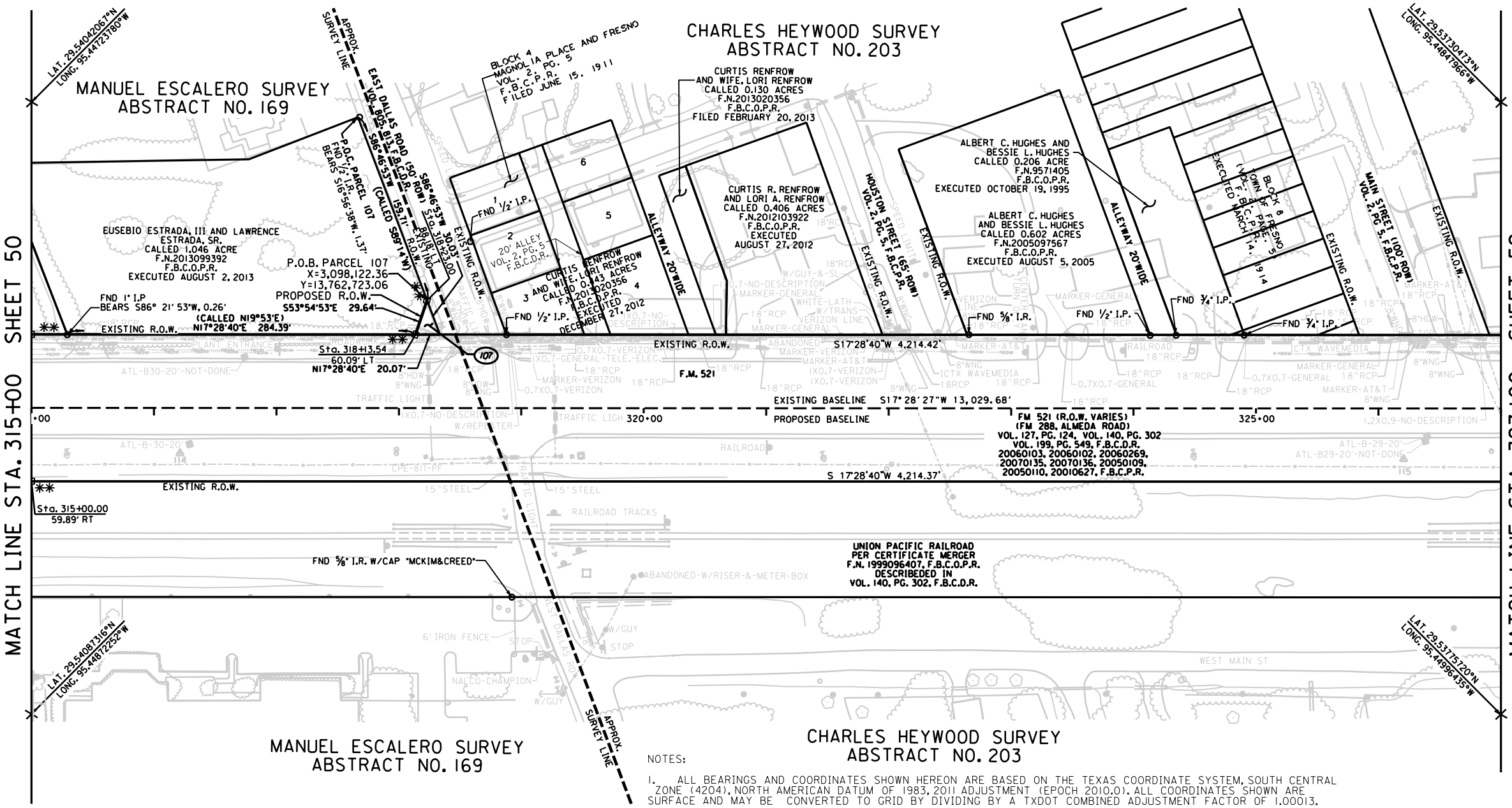
11/21/2019



PARENT TRACT INSET
PARCEL 107
N.T.S.



0 25 50 100 150
Graphic Scale in Feet

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MANUEL ESCALERO SURVEY, A-169

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
107	1.0345 AC.			EUSEBIO ESTRADA, III AND LAWRENCE ESTRADA, SR.			0.0065 282	1.0280	

CHARLES HEYWOOD SURVEY
ABSTRACT NO. 203

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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		51

PROJECT NO. 2694-1901-100

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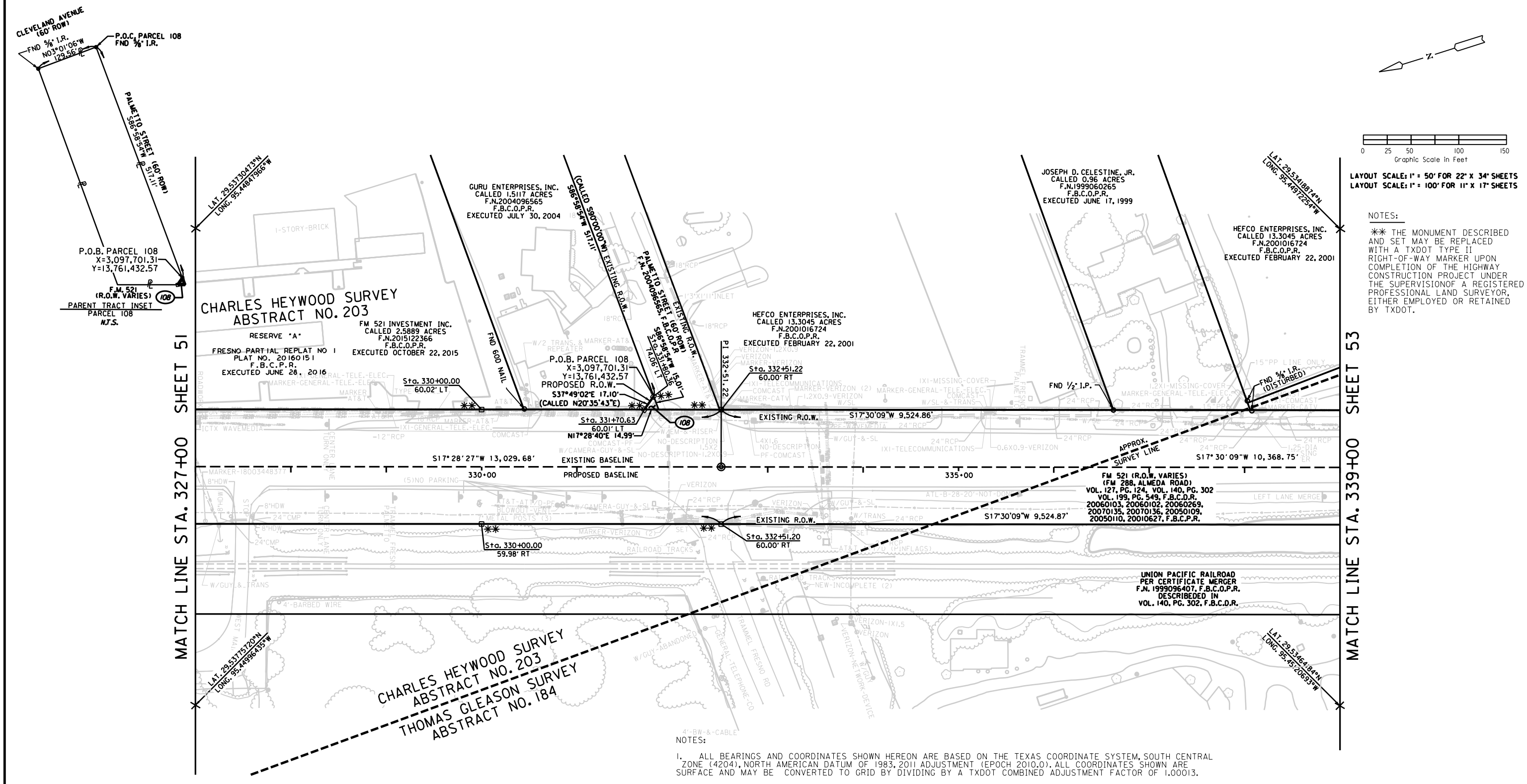
11/26/2019



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CHARLES HEYWOOD SURVEY, A-203

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
108	1.5107 AC.			GURU ENTERPRISES, INC.			0.0024 105	1.5083	

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6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	52

PROJECT NO. 2694-1901-100

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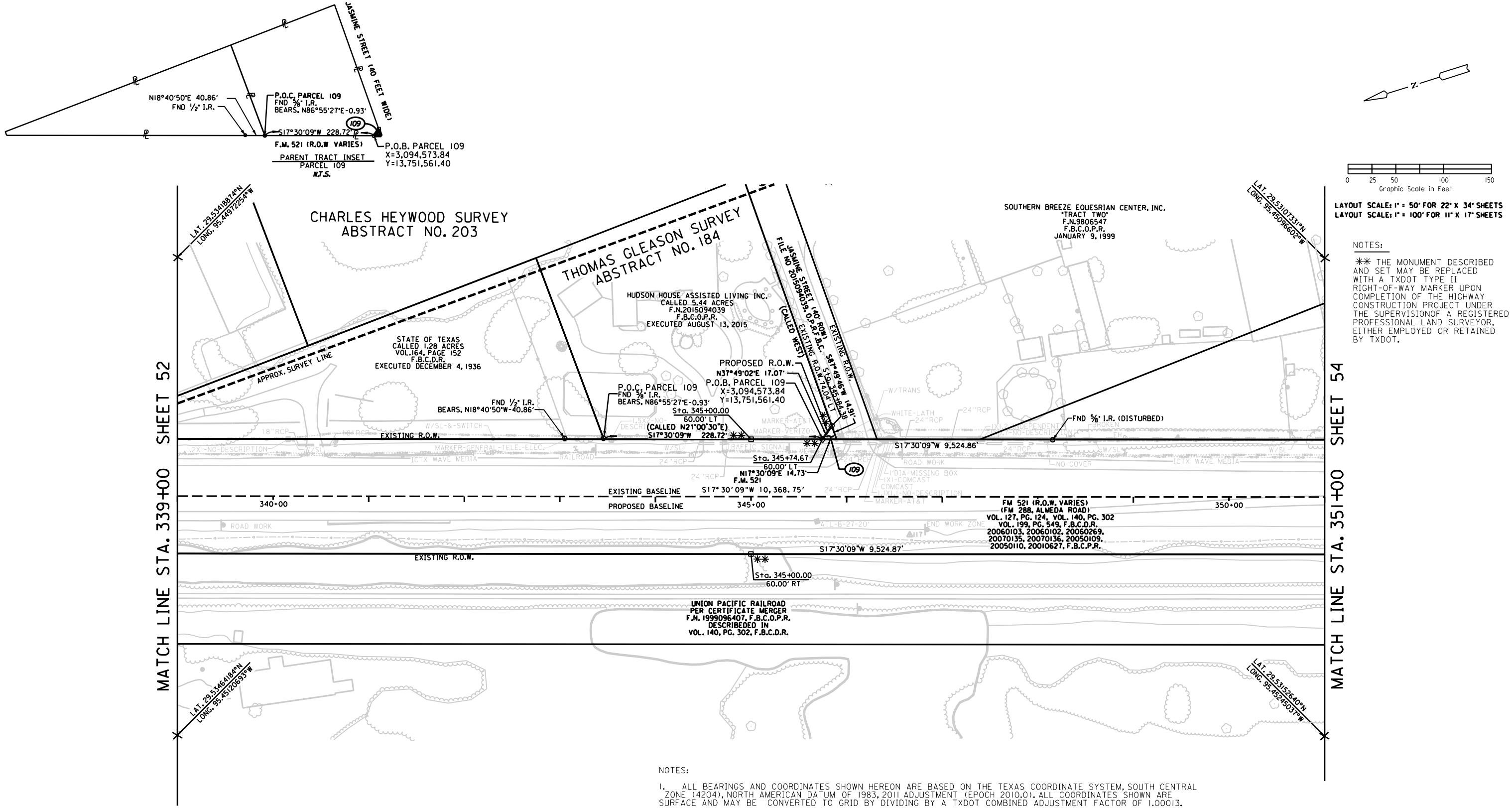
11/26/2019



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CHARLES HEYWOOD SURVEY, A-203

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
109	1.3048 AC.			HUDSON HOUSE ASSISTED LIVING INC.			0.0024 103	1.5083	

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6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		53

PROJECT NO. 2694-1901-100

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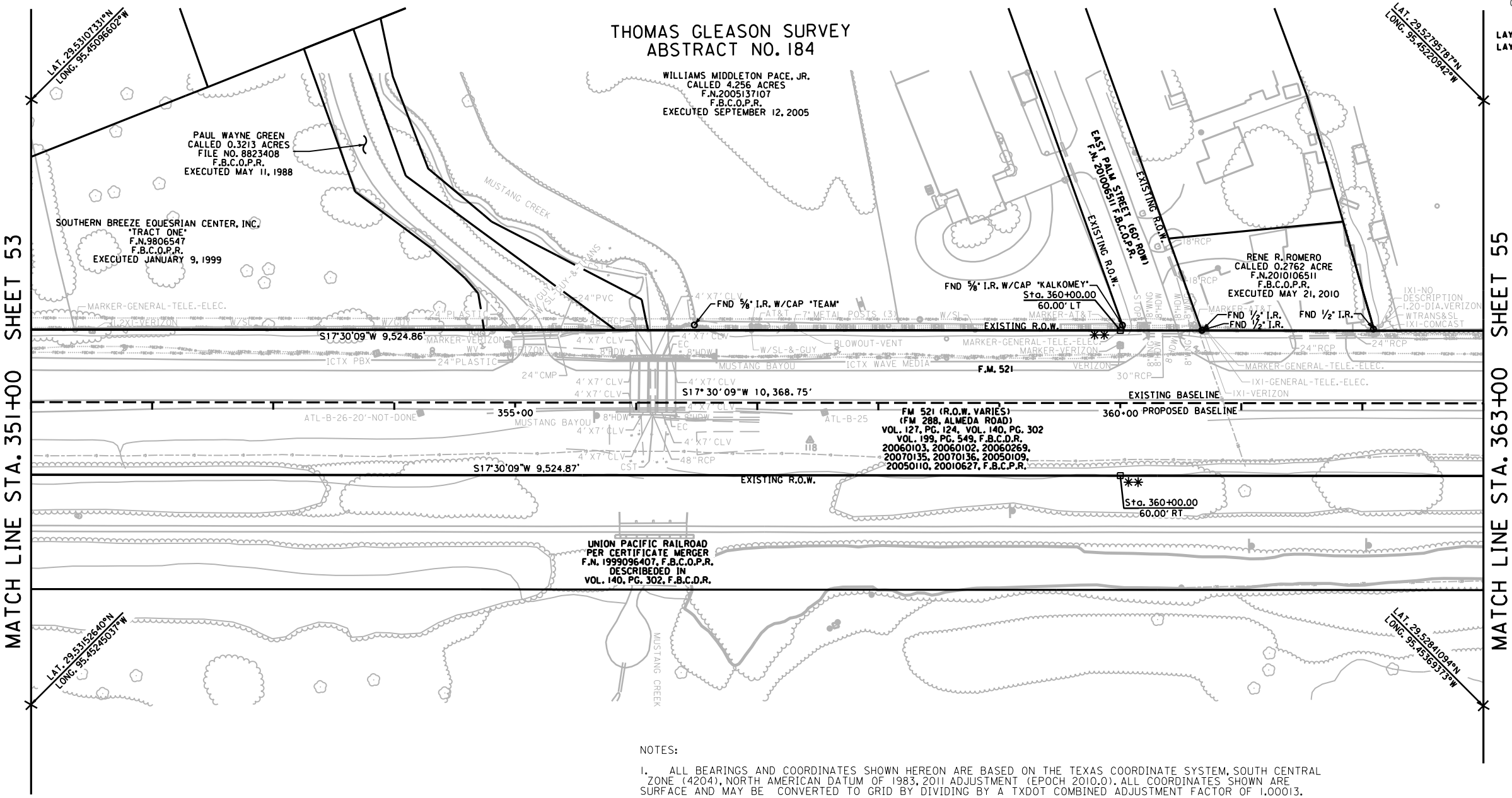
11/26/2019



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DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	54

PROJECT NO. 2694-1901-100

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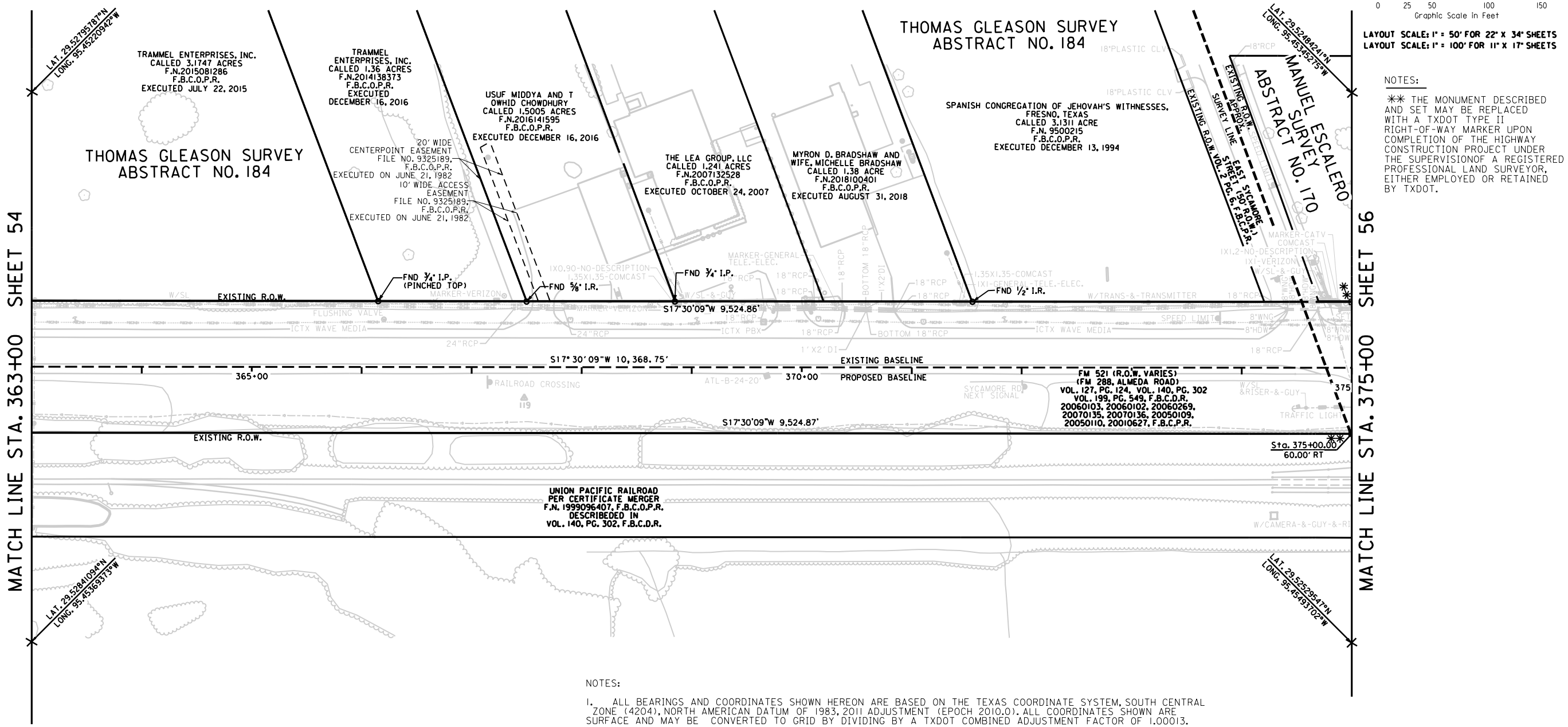
11/21/2019



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PROJECT NO. 2694-1901-100

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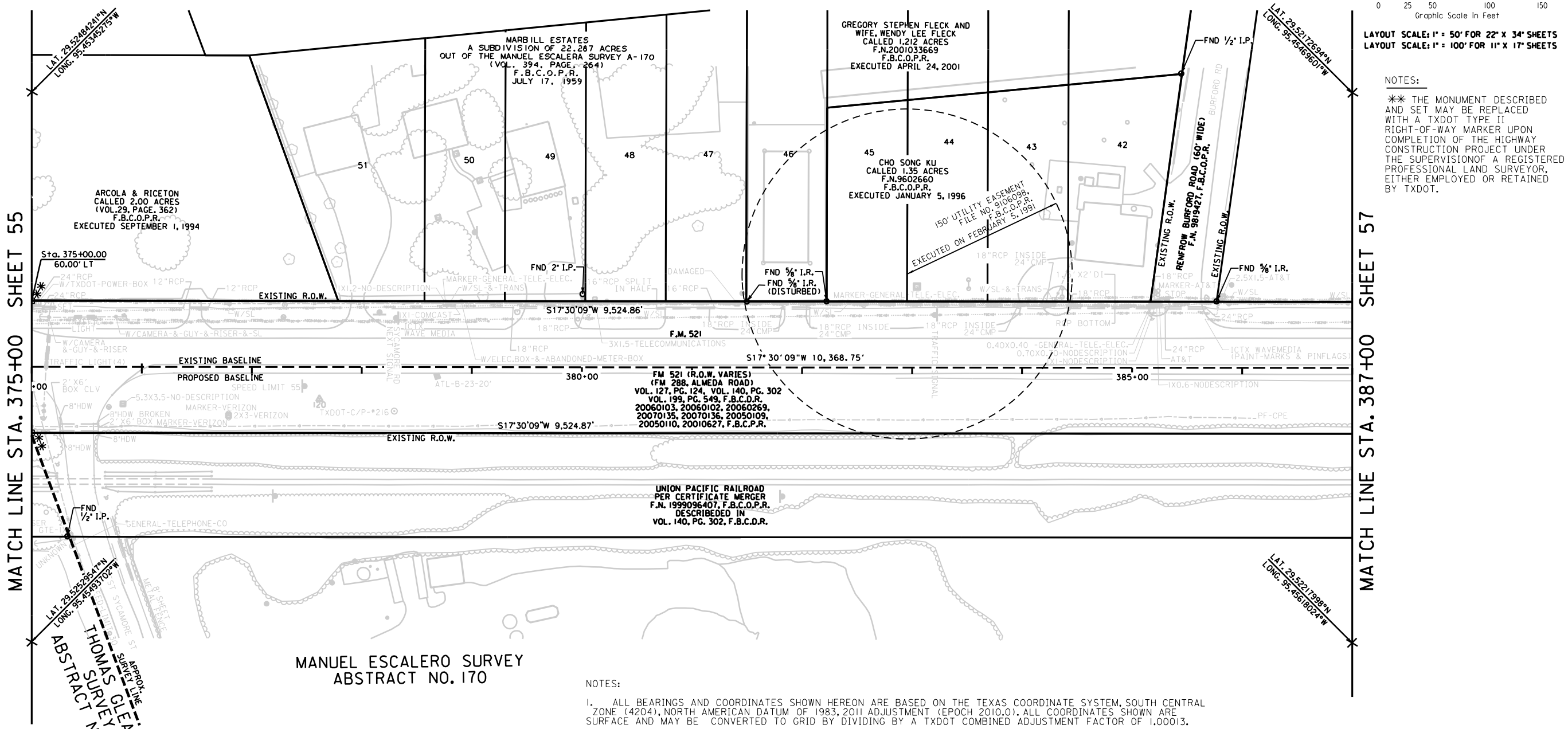
11/21/2019



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8. THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

9. TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

Texas Department of Transportation

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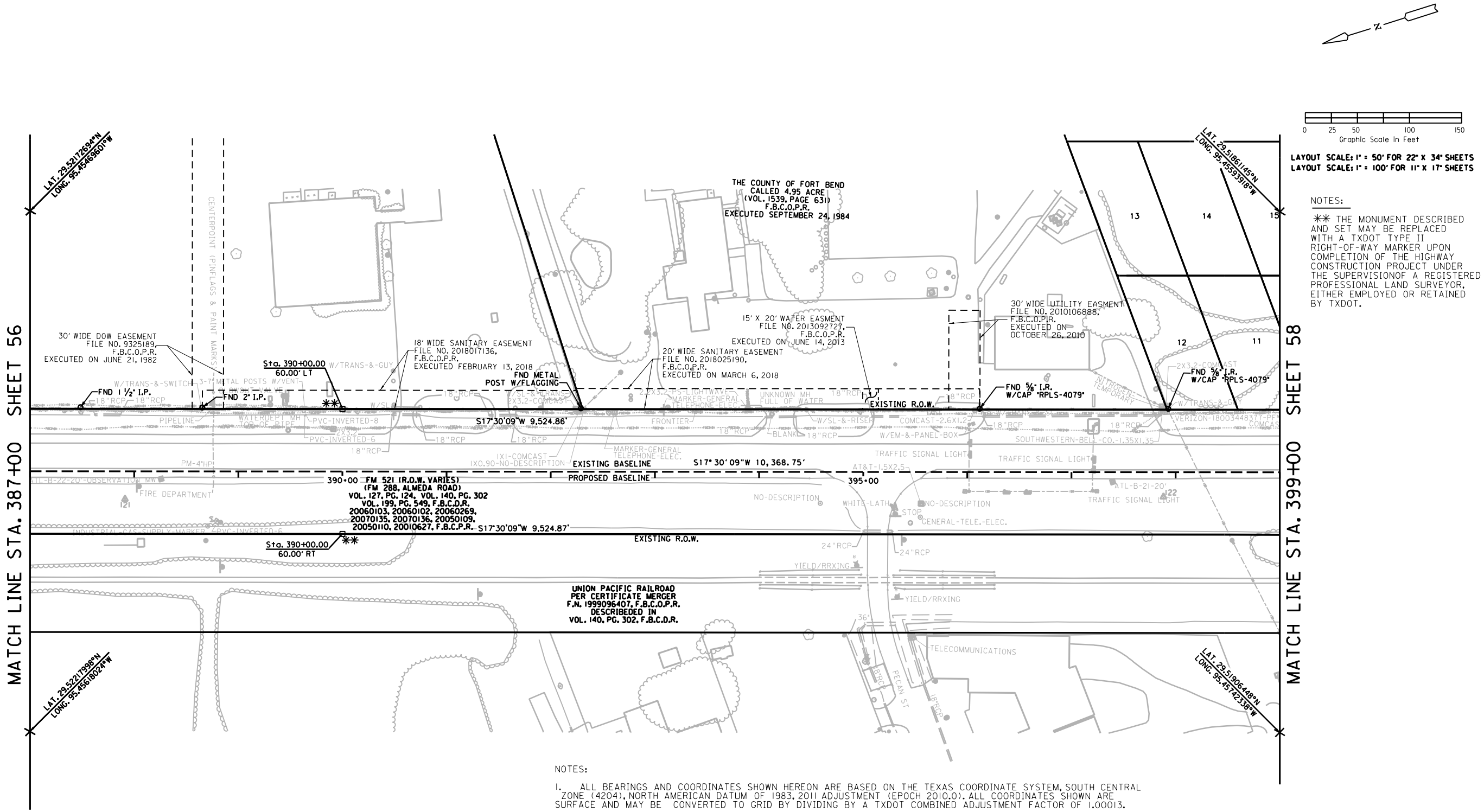
Suite 175
Houston, Texas 77042
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

	FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	56

PROJECT NO. 2694-1901-100

I:\PROJDSK1\SURVEY\2694#1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht56.dgn
11/21/2019



LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

NOTES:

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4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.

6. FIELD SURVEYS COMPLETED IN JULY, 2019.

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	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	57

PROJECT NO. 2694-1901-100

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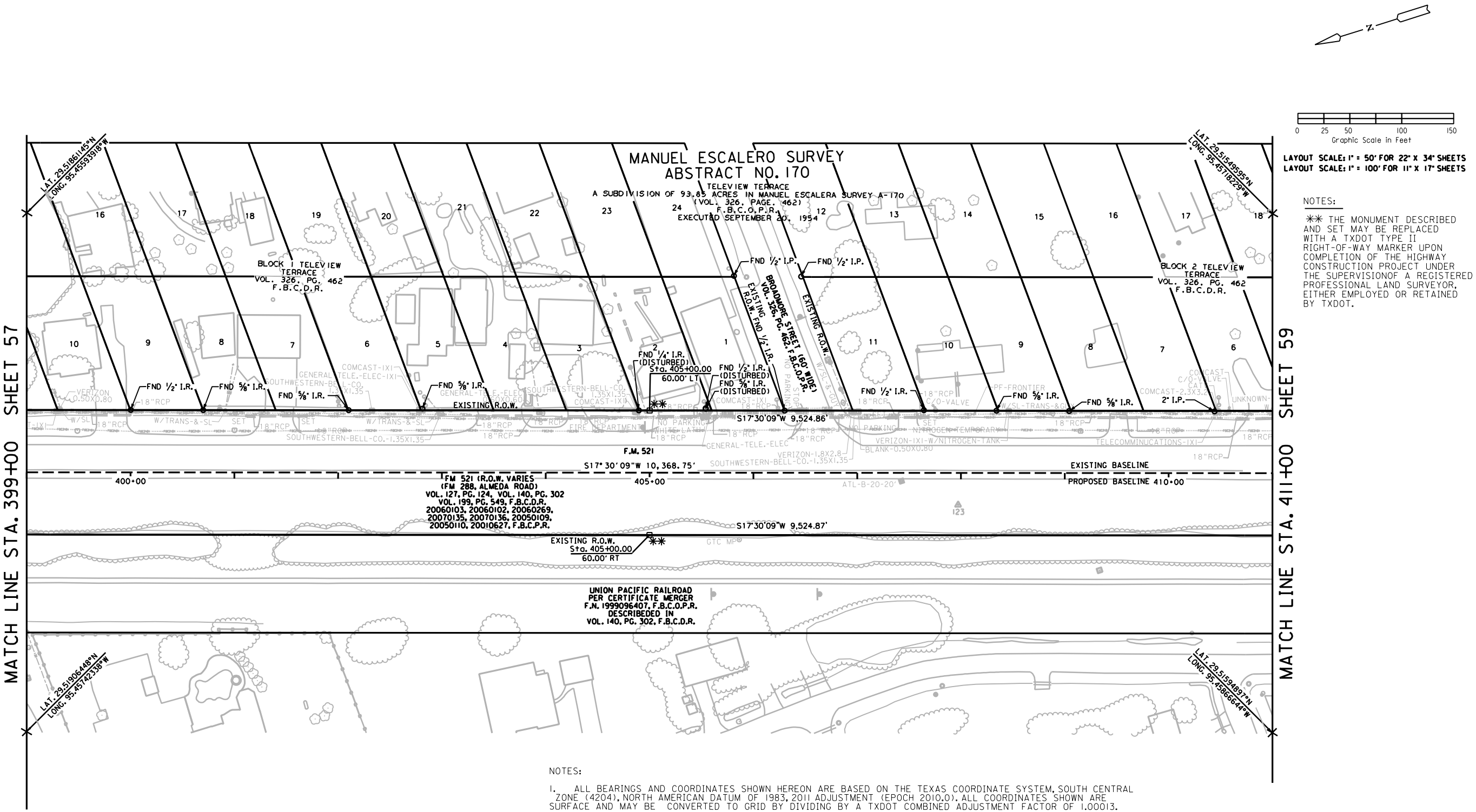
11/21/2019



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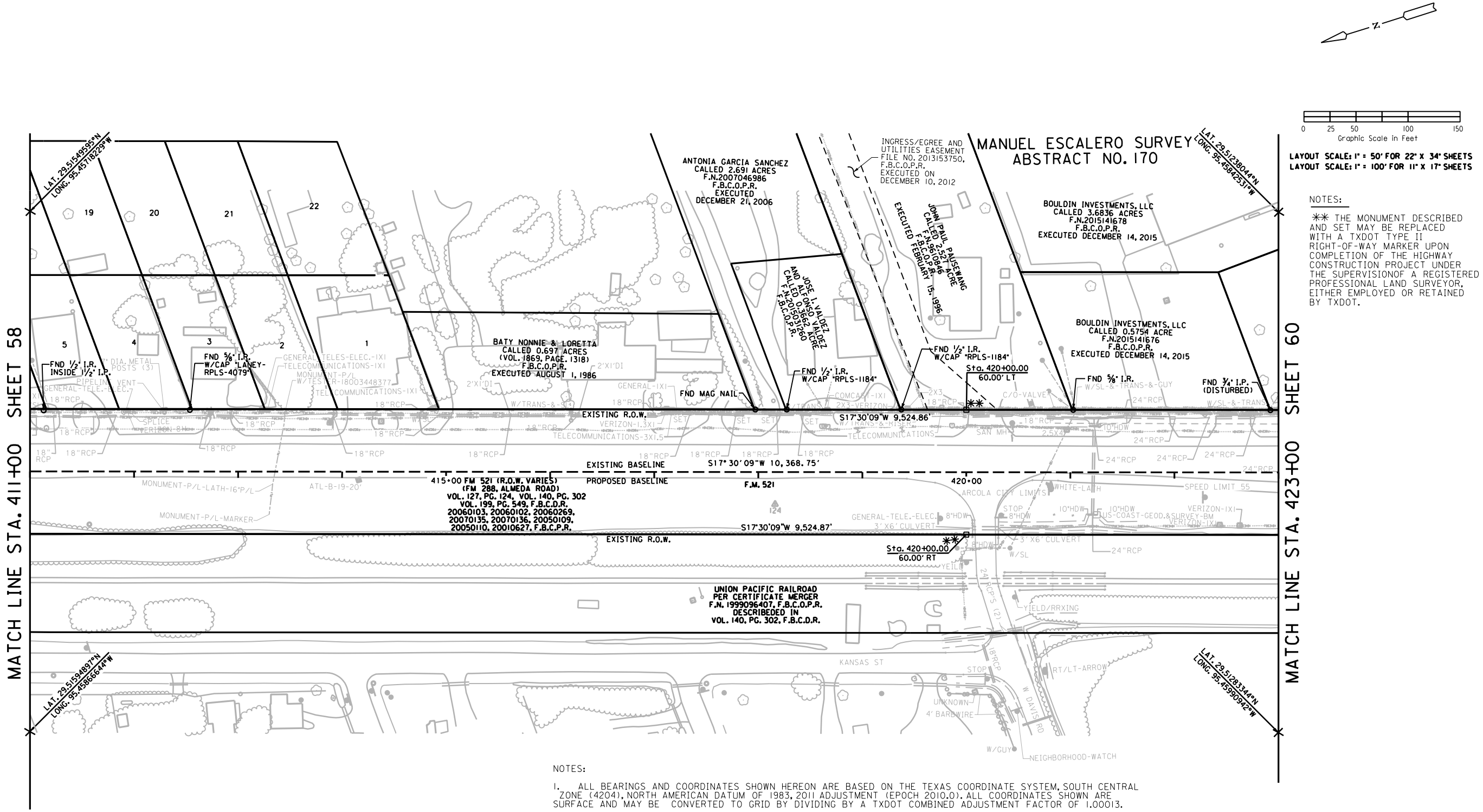
	6	TEXAS				F.M. 521
	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
	12	FORT BEND	0111	03	066	58

PROJECT NO. 2694-1901-100

I:\PROJDSK1\SURVEY\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 11819\FM521-ROW-Sht58.dgn
11/21/2019



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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	59

PROJECT NO. 2694-1901-100

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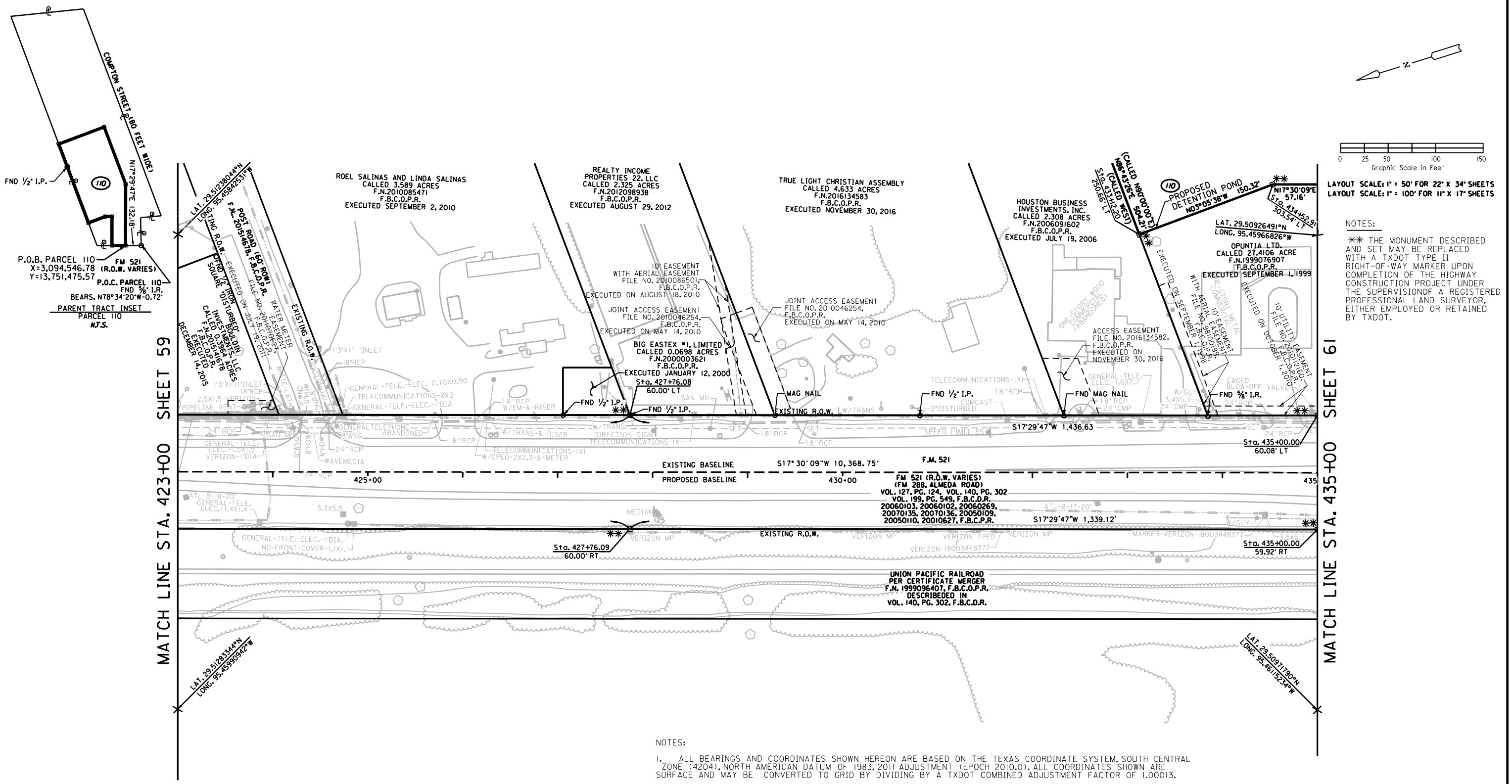
11/21/2019



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MANUEL ESCALERO SURVEY, A-170

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
110	27.4031			OPUNTIA LTD.			7.2616 316,315	20.1415	

NOTES:

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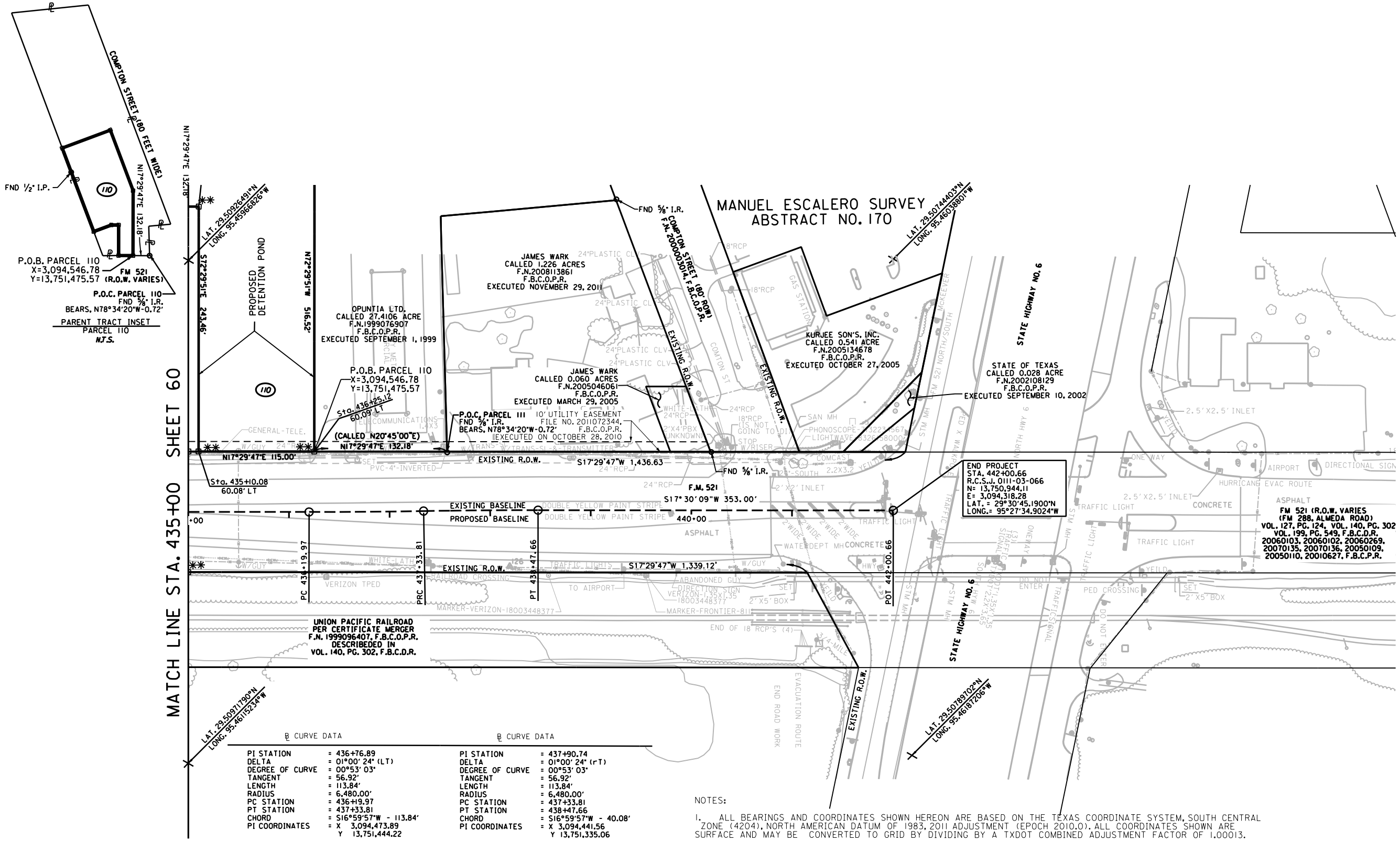
FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.				HIGHWAY NO.
6	TEXAS					F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.		SHEET NO.
12	FORT BEND	0111	03	066		60

PROJECT NO. 2694-1901-100

I:\Projects\SURVEY\2694-1901\SUBMITTALS\1ST REDLINES RESUBMITTED 11-18-19\FM521-ROW-Sht60.dgn
11/26/2019



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℄ CURVE DATA

PI STATION	= 436+76.89
DELTA	= 01°00' 24" (LT)
DEGREE OF CURVE	= 00°53' 03"
TANGENT	= 56.92'
LENGTH	= 113.84'
RADIUS	= 6,480.00'
PC STATION	= 436+19.97
PT STATION	= 437+33.81
CHORD	= S16°59'57"W - 113.84'
PI COORDINATES	= X 3,094,473.89 Y 13,751,444.22

℄ CURVE DATA

PI STATION	= 437+90.74
DELTA	= 01°00' 24" (rT)
DEGREE OF CURVE	= 00°53' 03"
TANGENT	= 56.92'
LENGTH	= 113.84'
RADIUS	= 6,480.00'
PC STATION	= 437+33.81
PT STATION	= 438+47.66
CHORD	= S16°59'57"W - 40.08'
PI COORDINATES	= X 3,094,441.56 Y 13,751,335.06

NOTES:

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MANUEL ESCALERO SURVEY, A-170

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
110	27.4031			OPUNTIA LTD.			7.2616 316,315	20.1415	

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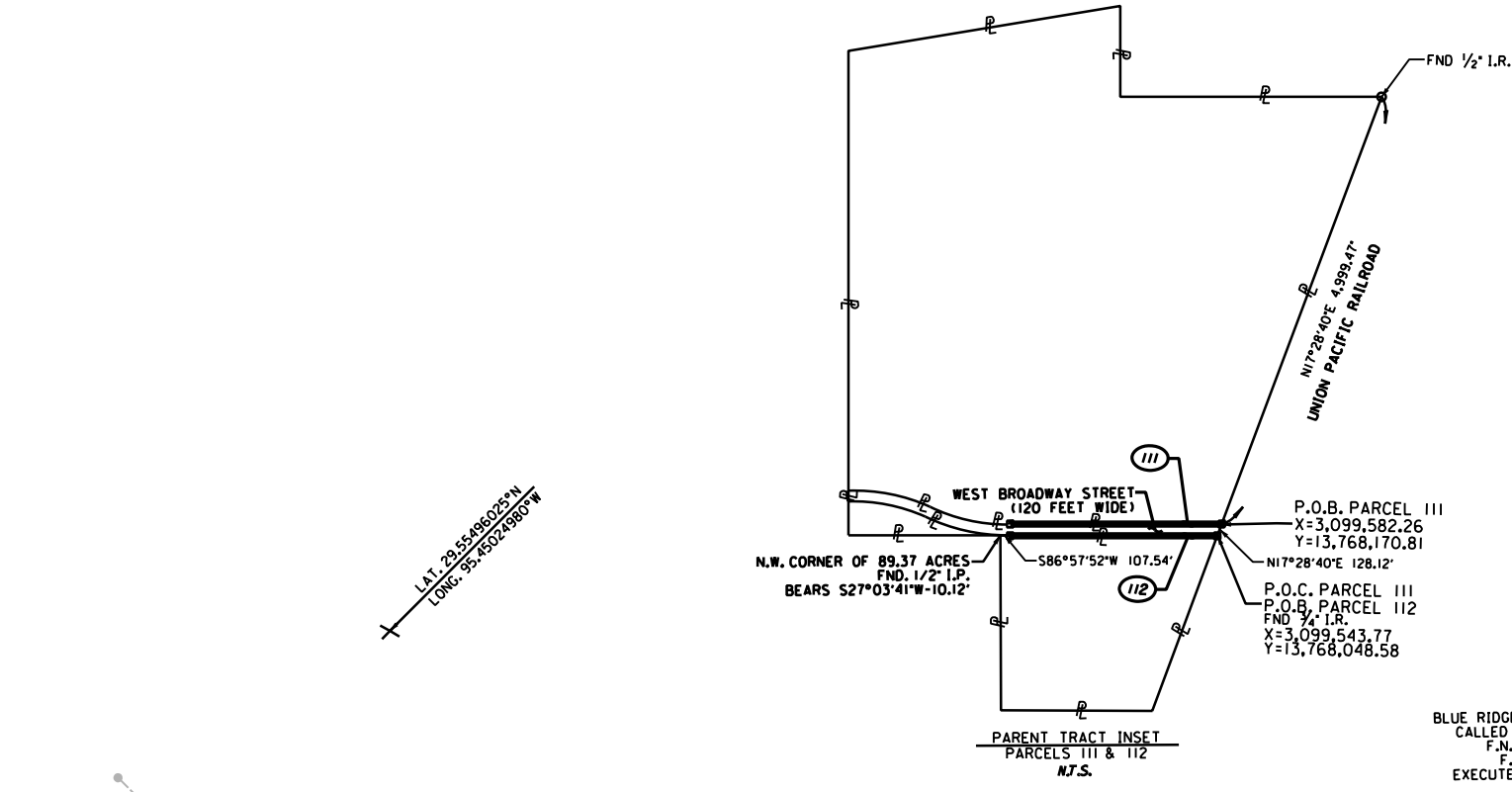
FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	61

PROJECT NO. 2694-1901-100

I:\PROJDISK\SURVEY\2694\901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht61.dgn
11/26/2019



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A.B. LANGERMANN SURVEY, A-555

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
111	598.5833 AC.			BLUE RIDGE LANDFILL TX, LP.			0.5788 25,212	598.0045	
112	89.3773			D BAR J RANCH MANAGEMENT CO., LLC			0.4781 20,827		88.8992

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	12	FORT BEND	0111	03	066	62

PROJECT NO. 2694-1901-100

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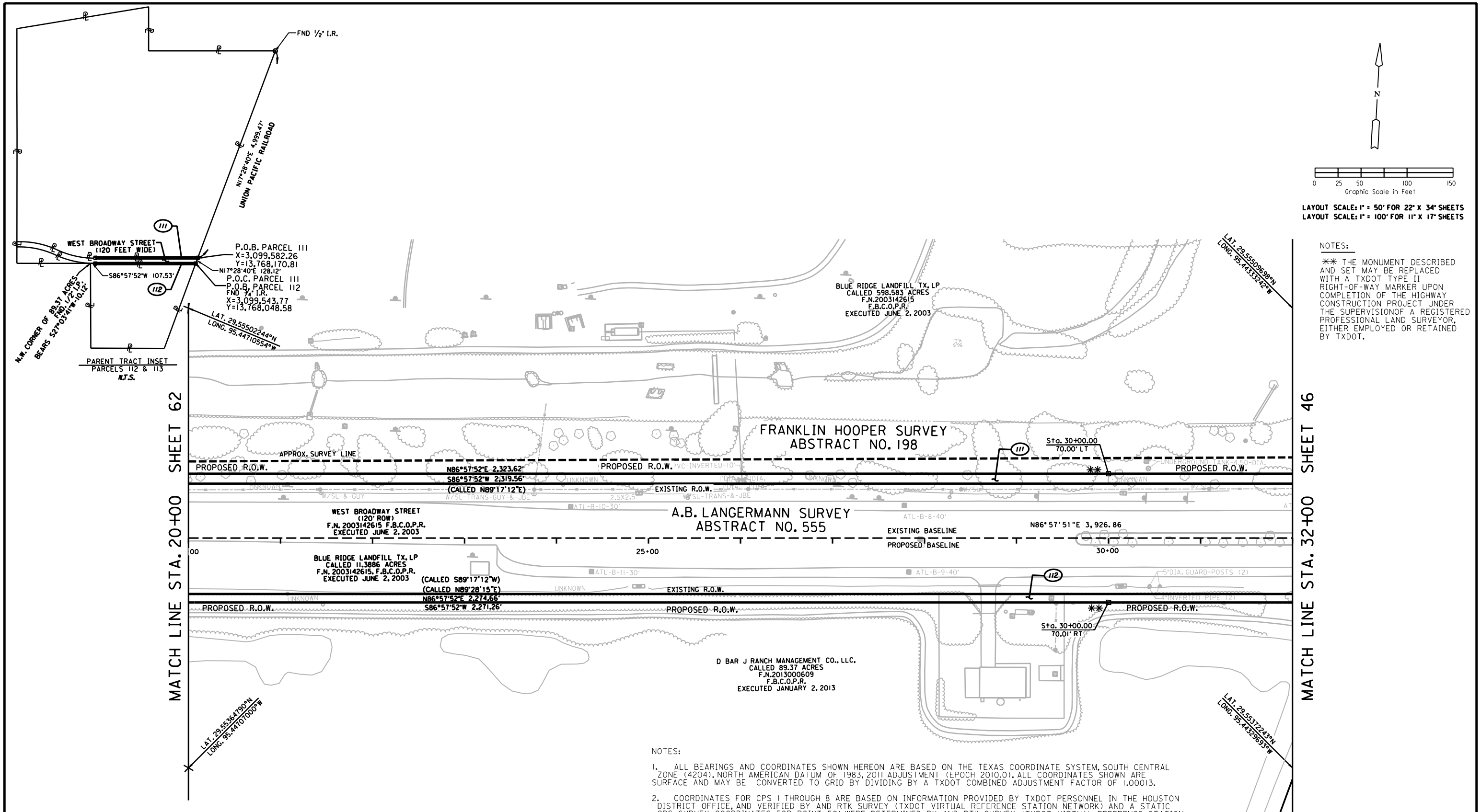
11/26/2019



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9. TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

Texas Department of Transportation

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Phone 713.953.5200
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T.B.P.L.S. Firm No. 10194382

FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	63

PROJECT NO. 2694-1901-100

I:\Projdsk\#SURVEY\2694#1901#SUBMITTALS#1ST REDLINES RESUBMITTED 111819\#FM521-ROW-Sht63.dgn
11/26/2019

℄ CURVE DATA (C1)

PI STATION	= 16+67.00
DELTA	= 90°00' 00" (LT)
DEGREE OF CURVE	= 62°16' 41"
TANGENT	= 92.00'
LENGTH	= 144.51'
RADIUS	= 92.00'
PC STATION	= 15+75.00
PT STATION	= 17+19.51
CHORD	= N41°57'51"E - 130.11'
PI COORDINATES	= X 3,100,428.62 Y 13,768,208.54

℄ CURVE DATA (C2)

PI STATION	= 18+11.51
DELTA	= 90°00' 00.00" (LT)
DEGREE OF CURVE	= 62°16' 41
TANGENT	= 92.00'
LENGTH	= 144.51'
RADIUS	= 92.00'
PC STATION	= 17+19.51
PT STATION	= 18+64.03
CHORD	= N48°02'08"W - 130.11'
PI COORDINATES	= X 3,100,418.87 Y 13,768,392.28

℄ CURVE DATA (C3)

PI STATION	= 20+79.08
DELTA	= 61°05' 40" (RT)
DEGREE OF CURVE	= 42°45' 29"
TANGENT	= 79.08'
LENGTH	= 142.88'
RADIUS	= 134.00'
PC STATION	= 20+00.00
PT STATION	= 21+42.88
CHORD	= S62°29'19"E - 136.21'
PI COORDINATES	= X 3,100,403.75 Y 13,768,433.54

℄ CURVE DATA (C4)

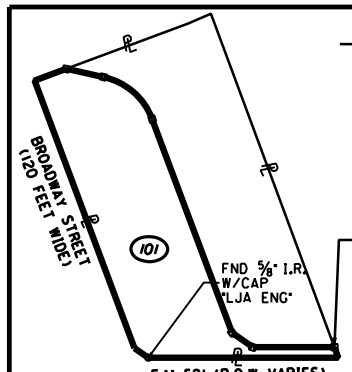
PI STATION	= 23+21.97
DELTA	= 61°05' 40" (LT)
DEGREE OF CURVE	= 42°45' 29"
TANGENT	= 79.08'
LENGTH	= 142.88'
RADIUS	= 134.00'
PC STATION	= 22+42.88
PT STATION	= 23+85.77
CHORD	= S62°29'19"E - 136.21'
PI COORDINATES	= X 3,100,540.33 Y 13,768,214.47

℄ CURVE DATA (C5)

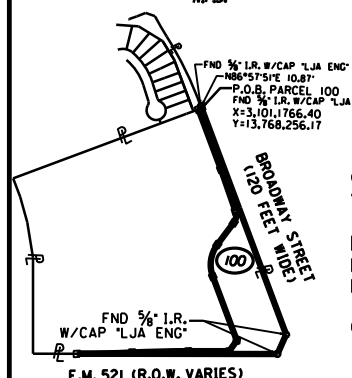
PI STATION	= 14+13.99
DELTA	= 90°00' 00.00" (RT)
DEGREE OF CURVE	= 62°16' 41"
TANGENT	= 92.00'
LENGTH	= 144.51'
RADIUS	= 92.00'
PC STATION	= 13+21.99
PT STATION	= 14+66.50
CHORD	= S48°02'08"E - 130.11'
PI COORDINATES	= X 3,100,434.13 Y 13,768,104.69

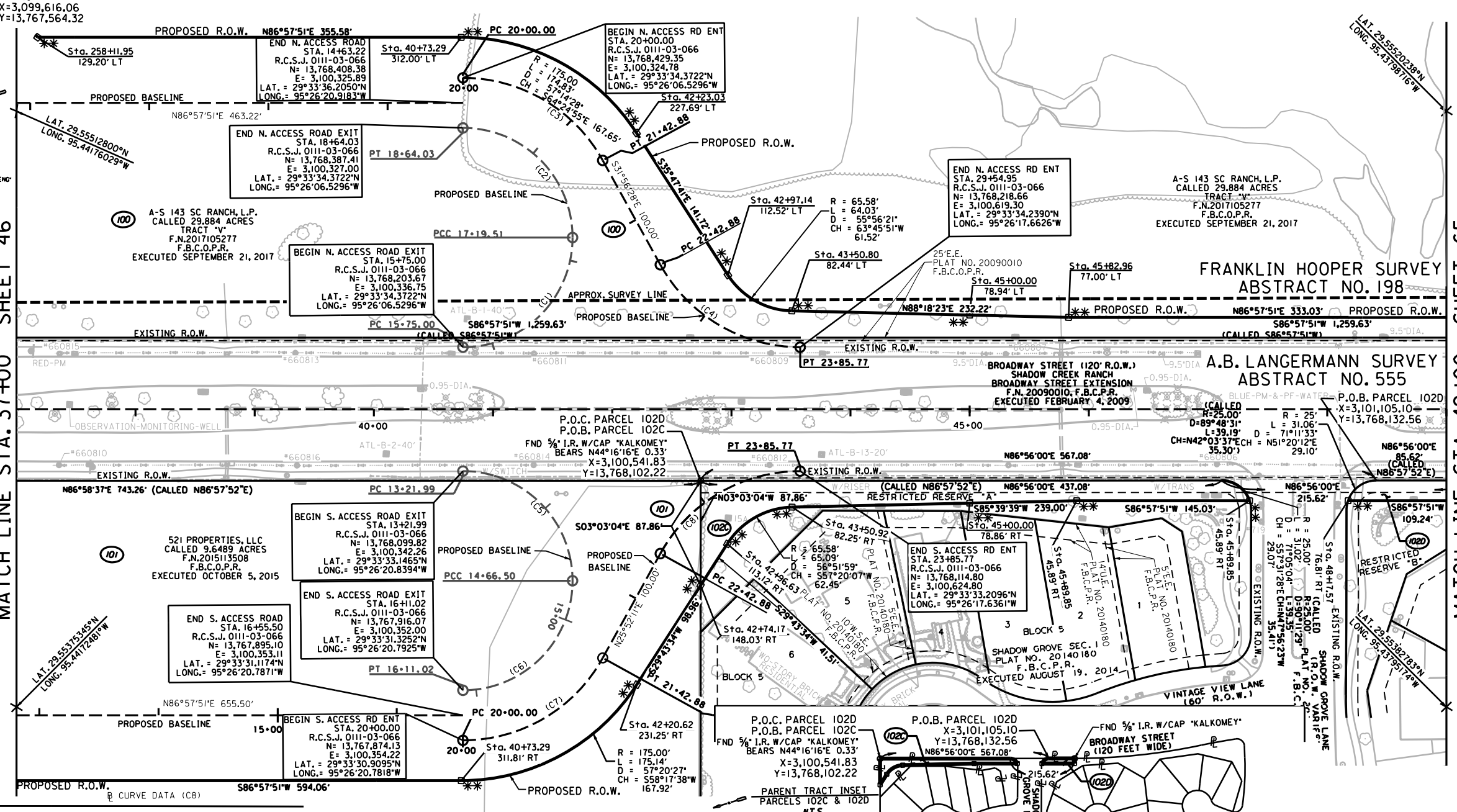
℄ CURVE DATA (C6)

PI STATION	= 15+58.50
DELTA	= 90°00' 00.00" (RT)
DEGREE OF CURVE	= 62°16' 41"
TANGENT	= 92.00'
LENGTH	= 144.51'
RADIUS	= 92.00'
PC STATION	= 14+66.50
PT STATION	= 16+11.02
CHORD	= S41°57'51"E - 130.11'
PI COORDINATES	= X 3,100,443.87 Y 13,767,920.95



P.O.B. PARCEL 101
FND 5/8" I.R. W/CAP "LJA ENG"
X=3,099,616.06
Y=13,767,564.32





℄ CURVE DATA (C7)

PI STATION	= 20+79.08
DELTA	= 61°05' 41" (LT)
DEGREE OF CURVE	= 42°45' 29"
TANGENT	= 79.08'
LENGTH	= 142.88'
RADIUS	= 134.00'
PC STATION	= 20+00.00
PT STATION	= 21+42.88
CHORD	= N56°25'01"E - 136.21'
PI COORDINATES	= X 3,100,433.19 Y 13,767,878.32

℄ CURVE DATA (C8)

PI STATION	= 23+21.97
DELTA	= 61°05' 41" (RT)
DEGREE OF CURVE	= 42451' 29"
TANGENT	= 79.08'
LENGTH	= 142.88'
RADIUS	= 134.00'
PC STATION	= 22+42.88
PT STATION	= 23+85.77
CHORD	= N56°25'01"E - 136.21'
PI COORDINATES	= X 3,100,545.83 Y 13,768,110.61

NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (EPOCH 2010.0). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.
2. COORDINATES FOR CPS 1 THROUGH 8 ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE, AND VERIFIED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK) AND A STATIC GPS SURVEY. COORDINATES FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).
3. CONTROL ESTABLISH BY CIVIL CORP AND PROVIDED BY RODS TO LJA SURVEYING. ALL ELEVATIONS SHOWN ARE NAVD 88 (2001 ADJUSTMENT), AND ARE BASED ON INFORMATION PROVIDED BY TXDOT PERSONNEL IN THE HOUSTON DISTRICT OFFICE. A LEVEL LOOP USING A LEICA DIGITAL LEVEL DNA10 WAS RUN THROUGH CPS 1 THROUGH 8 TO VERIFY THE PUBLISHED ELEVATIONS. THE ELEVATION FOR CP 501 WAS DETERMINED BY A LEVEL LOOP RAN BETWEEN CP 6 AND CP 7. ALL ELEVATIONS WERE CHECKED AND MATCHED BY LJA SURVEYING.
4. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
5. ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
6. FIELD SURVEYS COMPLETED IN JULY, 2019.
7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
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* FRANKLIN HOOPER SURVEY, A-198 ** A.B. LANGERMANN SURVEY, A-555

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING FILE NUMBER	TOTAL TAKING AREA	REMAINDER ACRES LEFT	REMAINDER ACRES RIGHT
*** 100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4.1226 179,581	25.7617	
** 101	9.6491 AC.			521 PROPERTIES LLC			4.6593 202,958	4.9899	
** 102C	0.5635			KB HOME LONE STAR INC			0.2359 10,277	0.3276	
** 102D	1.3459 AC.			KB HOME LONE STAR INC			0.0401 1,746	1.3058	

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FED.RD. DIV.NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
6	TEXAS				F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	64

PROJECT NO. 2694-1901-100

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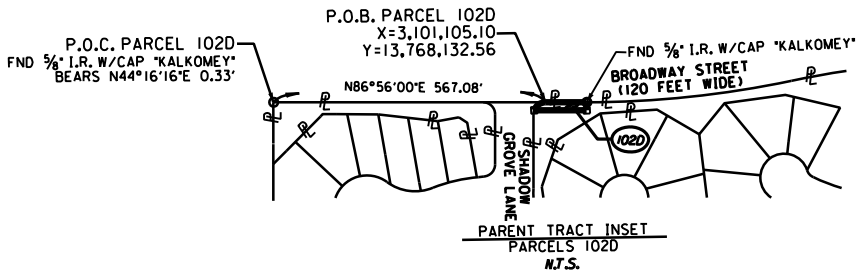
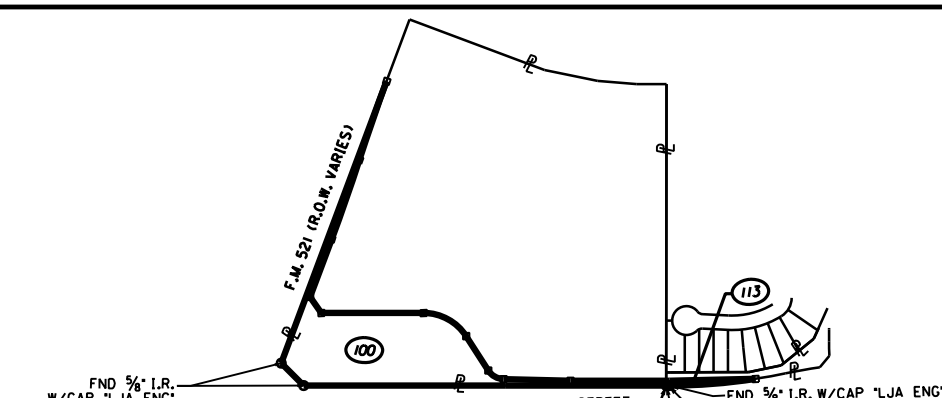
11/26/2019



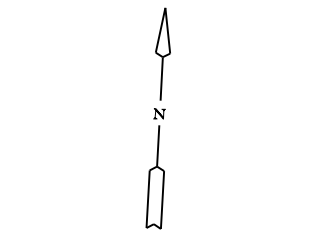
PARENT TRACT INSET
PARCELS 102D
N.T.S.



℄ CURVE DATA

PI STATION	= 51+36.12
DELTA	= 11°56' 47" (LT)
DEGREE OF CURVE	= 02°51' 53"
TANGENT	= 209.26'
LENGTH	= 417.00'
RADIUS	= 2,000.00'
PC STATION	= 49+26.86
PT STATION	= 53+43.86
CHORD	= N80°59'28"E - 416.25'
PI COORDINATES	= X 3,101,399.40
	Y 13,768,207.95

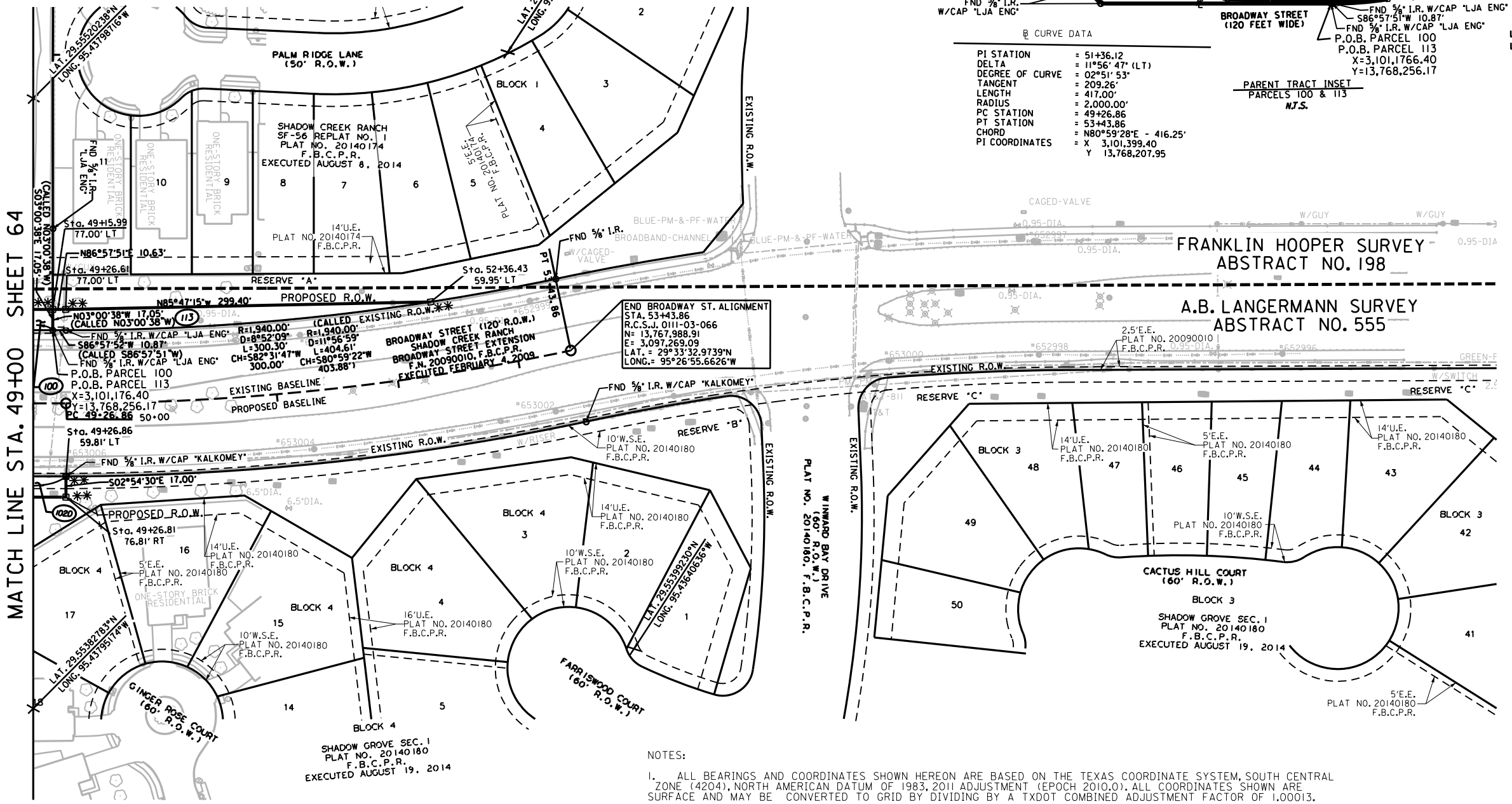
PARENT TRACT INSET
PARCELS 100 & 113
N.T.S.



LAYOUT SCALE: 1" = 50' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 100' FOR 11" X 17" SHEETS

NOTES:

** THE MONUMENT DESCRIBED AND SET MAY BE REPLACED WITH A TXDOT TYPE II RIGHT-OF-WAY MARKER UPON COMPLETION OF THE HIGHWAY CONSTRUCTION PROJECT UNDER THE SUPERVISIONOF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETAINED BY TXDOT.



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** 102D	1.3459 AC.			KB HOME LONE STAR INC			0.0401 1,746	1.3058	
** 113	0.7498 AC.			VILLAGE OF DIAMOND BAY HOMEOWNERS ASSOCIATION, INC.			0.0895 3,897		0.6603

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DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	65

PROJECT NO. 2694-1901-100

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