

THE STATE OF TEXAS §
 §
 COUNTY OF FORT BEND §

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

WHEREAS, on the 9th day of February, 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 Morales, seconded by Commissioner Prestage, and upon record vote, passed 5 votes in favor 0 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 9 day of February, 2021.

FORT BEND COUNTY

KP George
County Judge KP George

KP George, County Judge

ATTEST:

Laura Richard

Laura Richard, County Clerk



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
- SURVEY LINE
- FENCE
- OVERHEAD ELECTRIC LINE
- GAS VALVE
- TELEPHONE CABLE MARKER
- TELEPHONE PEDESTAL
- POWER POLE
- GUY WIRE
- SIGN
- MAIL BOX
- ELEC. PULL BOX
- FIRE HYDRANT
- FAUCET
- GAS VALVE
- MARKER POST (AS SPECIFIED)
- 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 - F.B.C.O.P.R.
 - FORT BEND COUNTY, TEXAS
 - PLAT RECORDS OF - F.B.C.P.R.
 - FORT BEND COUNTY
 - DEED RECORDS OF - F.B.C.D.R.
 - FORT BEND COUNTY
 - 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 --- LOS 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

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

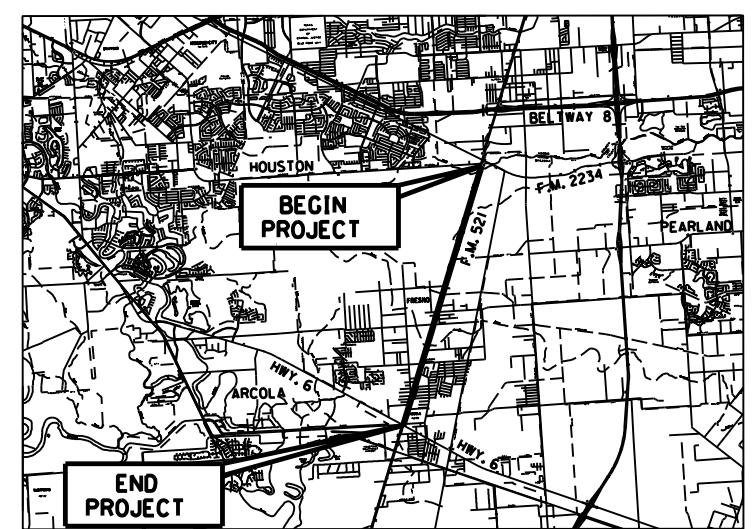
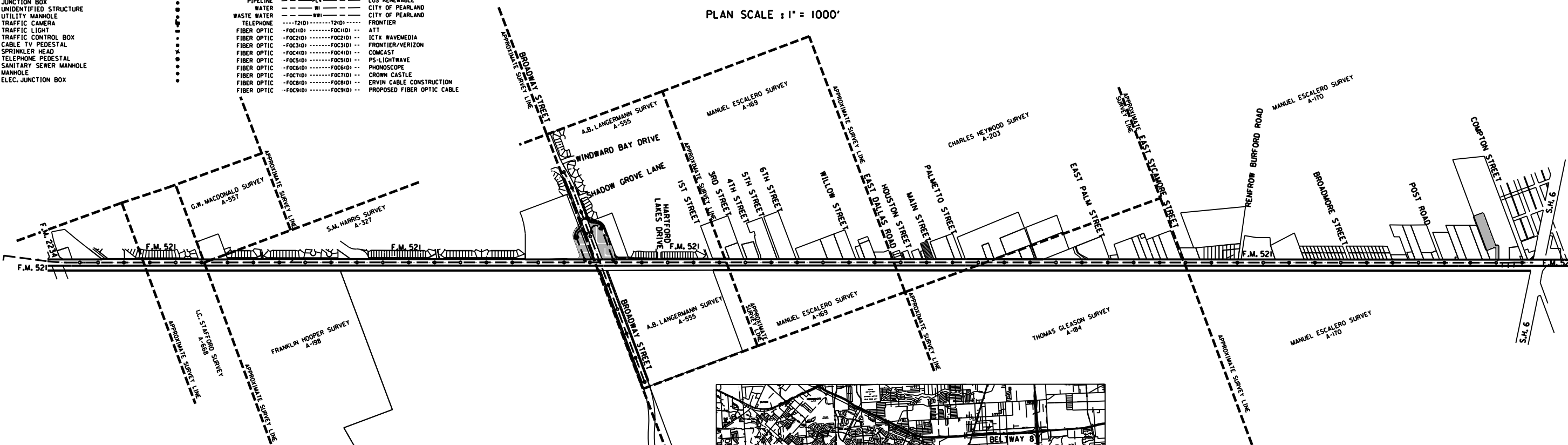
PLANS OF PROPOSED
RIGHT OF WAY PROJECT
FORT BEND COUNTY
FM 521

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'

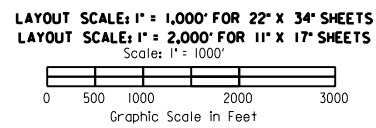
FED. ROAD DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
6		1	
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	12	FORT BEND	FM 521
R.O.W.	CONT.	SECT.	JOB
	0111	03	066
CONSTRUCTION	CONT.	SECT.	JOB
	0111	03	059



- NOTES:
- 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). ALL COORDINATES SHOWN ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A TXDOT COMBINED ADJUSTMENT FACTOR OF 1.00013.
 - 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, COORDINATE FOR POINT 501 WERE DETERMINED BY AND RTK SURVEY (TXDOT VIRTUAL REFERENCE STATION NETWORK).
 - 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.
 - ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
 - FIELD SURVEYS COMPLETED IN JULY, 2019.
 - ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
 - R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
 - PROPOSED RIGHT-OF-WAY BASELINE MAY NOT MATCH PROPOSED CONSTRUCTION BASELINE OR AS-BUILT BASELINE DUE TO DESIGN CHANGES
 - 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



RECOMMENDED FOR ACQUISITION

DISTRICT SURVEYOR OR ROW ADMINISTRATOR DATE

RECOMMENDED FOR ACQUISITION

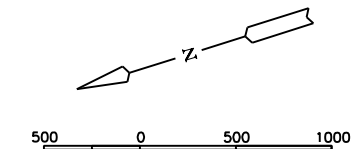
AREA ENGINEER OR DESIGN ENGINEER DATE

FINAL APPROVAL ACQUISITION COMPLETE

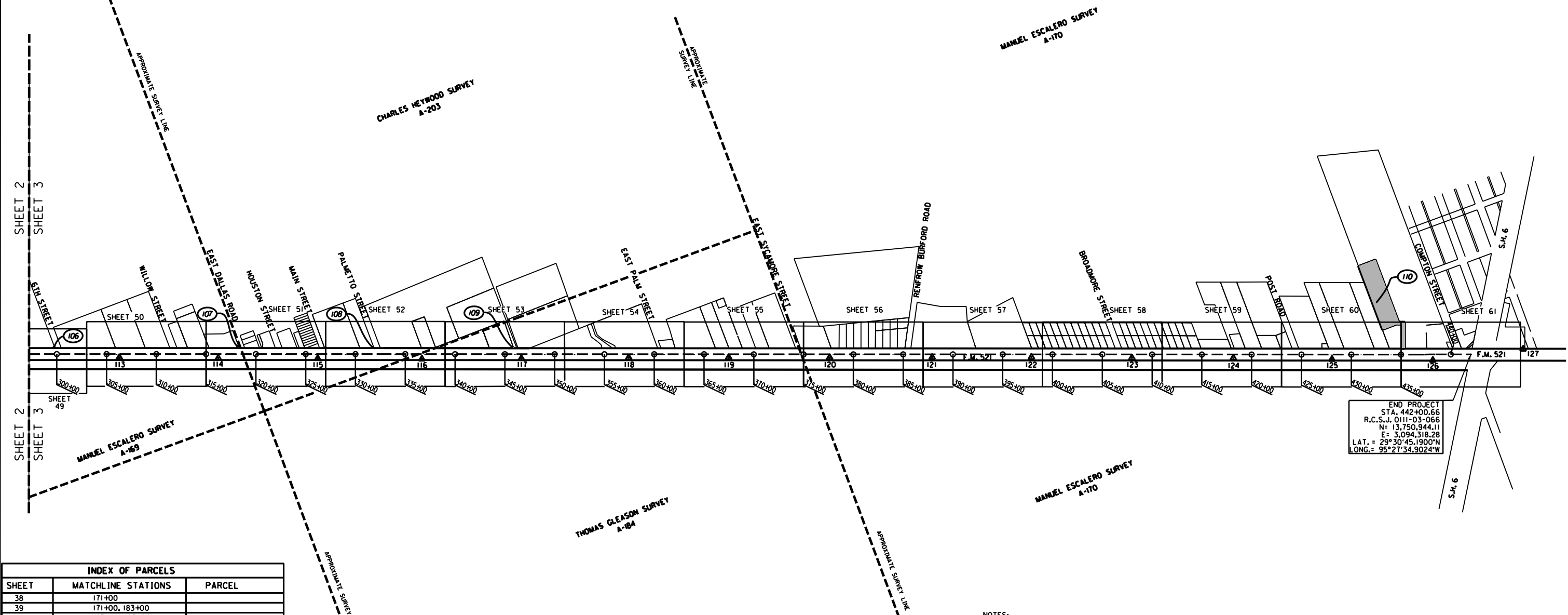
DISTRICT ENGINEER DATE

EXHIBIT "A"

18P-Projdski\SURVEY\26949\901\SUBMITTALS\501ST REDLINES RESUBMITTED 11/20/2019 11:20:2019



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



END PROJECT
 STA. 442+00.66
 R.C.S.J. 0111-03-066
 N= 13,750,944.11
 E= 3,094,318.28
 LAT. = 29°30'45.1900"N
 LONG. = 95°27'34.9024"W

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

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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LJA Surveying, Inc.

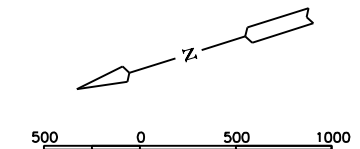
2929 Briarpark Drive Suite 175 Houston, Texas 77042

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.
12	FORT BEND	0111	03
JOB NO.	SHEET NO.		
066	3		

PROJECT NO. LJA5001-2694-1901

I:\Prj-0\Jask\SURVEY\2694\1901\SUBMITTALS\LIST REDLINES RESUBMITTED 11/19/19\FM521-INDEX-SH13.dgn 11/20/2019



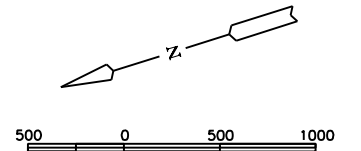
LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

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.
CITY OF PEARLAND	WATER VALVE	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	206+87.89
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	192+45.15
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'

UTILITIES ALONG F.M. 521



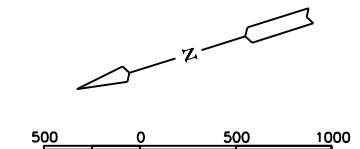
LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

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	82.65' 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'

UTILITIES ALONG F.M. 521



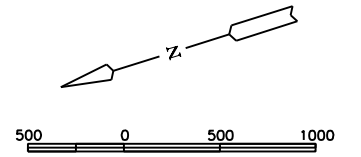
LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

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.
CENTERPOINT 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.
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.
CENTERPOINT 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.
CENTERPOINT	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+40.9	

UTILITIES ALONG F.M. 521



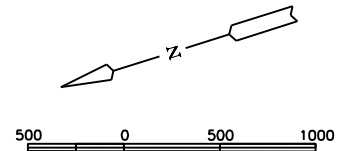
LAYOUT SCALE: 1" = 500' FOR 22" X 34" SHEETS
LAYOUT SCALE: 1" = 1000' FOR 11" X 17" SHEETS

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	59.83' 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.
PHONSCOPE	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	56.8

UTILITIES ALONG F.M. 521



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

UTILITY NAME	TYPE	STATION	OFFSET
SOUTHWESTERN BELL CO.	TELEPHONE PEDESTAL	404+88.06	58.19' LT.
CENTERPOINT	POWER POLE	404+96.37	58.09' 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.
WAVE MEDIA	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	50.54' 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/VER			

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' RT.
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

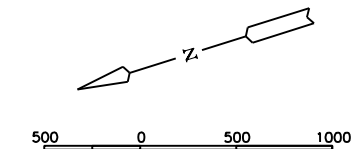
NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
13,777,383.84	3,102,580.78	165+00.00	60.26' RT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,347.84	3,102,695.25	165+00.00	59.74' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM DISC
13,777,277.11	3,102,678.23	165+72.59	64.73' LT.	SET 5/8" IRON ROD W/TXDOT ALUMINUM 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' RT.	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/LIA 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/LIA 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/LIA 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 ALUMIN

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

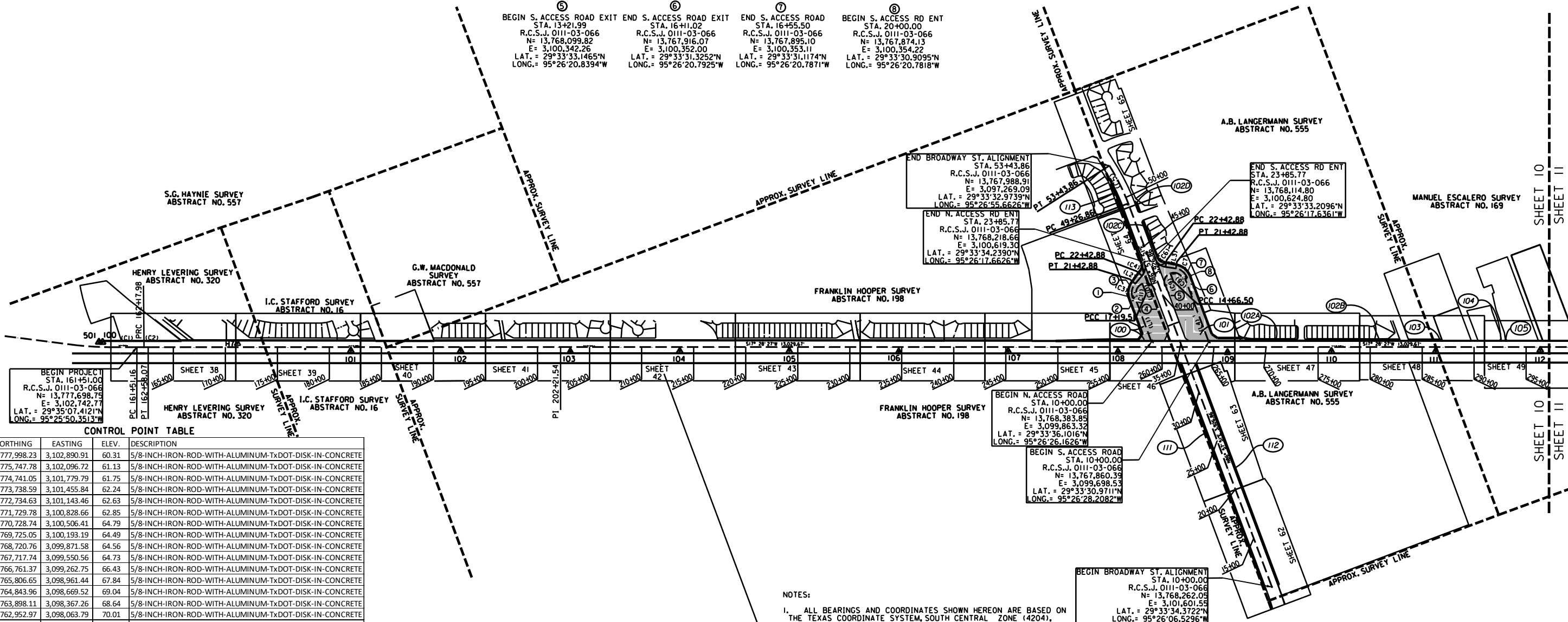
BASELINE LINE TABLE

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+41.02
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	13,766,713.37	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	3,094,064.64	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	3,103,728.32	61.74	TxDOT-MONUMENT-STAMPED-"H-2000366"
CP-4	13,781,491.71	3,103,464.23	59.28	TxDOT-MONUMENT-STAMPED-"H-3"
CP-5	13,780,488.51	3,103,196.70	60.41	TxDOT-MONUMENT-STAMPED-"H-4"
CP-6	13,779,405.80	3,102,936.38	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:

- 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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- ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
- ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
- FIELD SURVEYS COMPLETED IN JULY, 2019.
- R.O.W. MAP COMPLETED NOVEMBER, 2019
- THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.

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.
12	FORT BEND	0111	03
		JOB NO.	SHEET NO.
		066	10

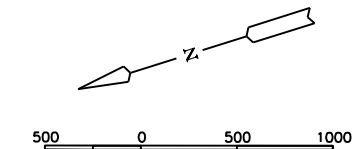
PROJECT NO. LJA5001-2694-1901

BASELINE CURVE TABLE

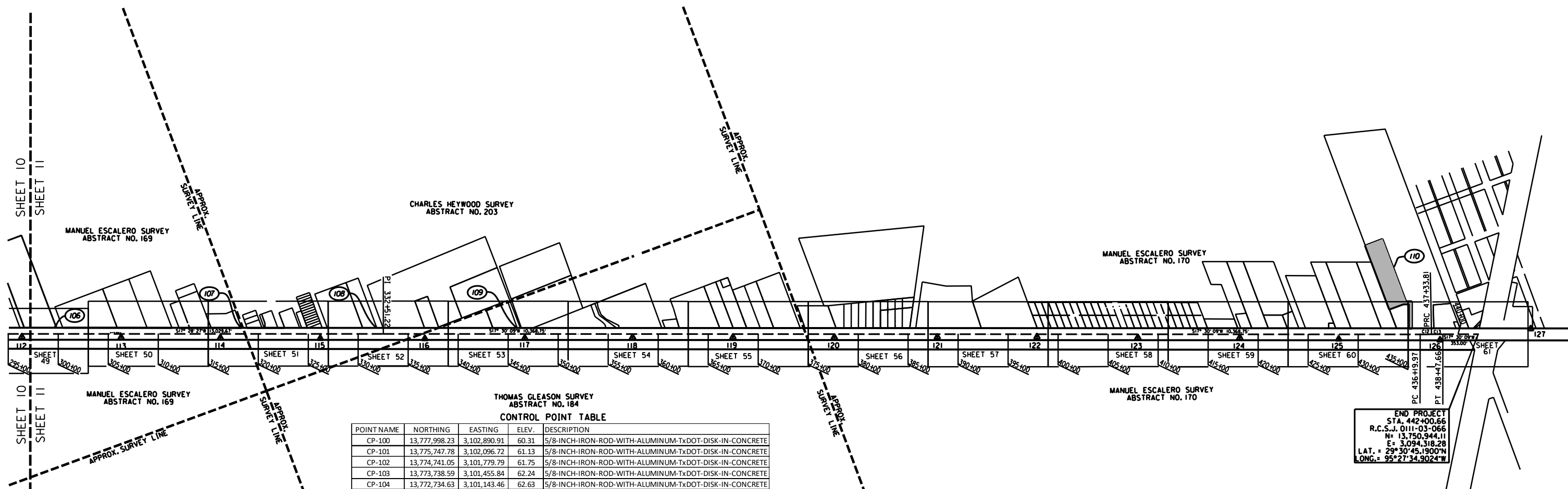
NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE	TANGENT	PI STATION	PI NORTHING	PI EASTING
C1	00°35' 27"	6,480.00'	66.82'	S 17°23'50" W	66.82'	33.41'	161+84.57	13,777,666.77	3,102,732.56
C2	00°35' 27"	6,480.00'	40.08'	S 17°16'44" W	40.08'	20.04'	161+38.02	13,777,615.67	3,102,716.84
C3	61°05' 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'



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



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"

END PROJECT STA. 442+00.66
R.C.S.J. 0111-03-066
N= 13,750,944.11
E= 3,094,318.28
LAT. = 29°30'45.1900"N
LONG. = 95°27'34.9024"W

NOTES:

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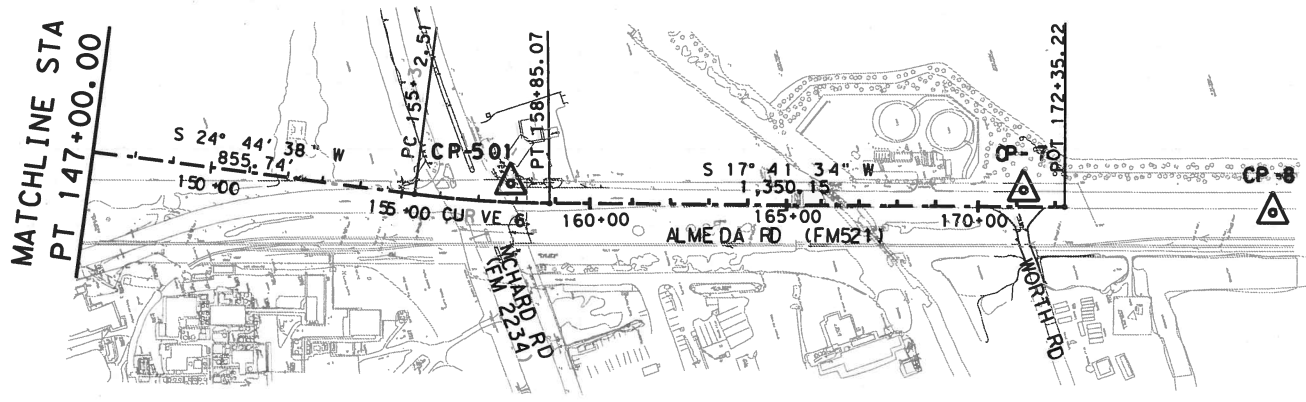
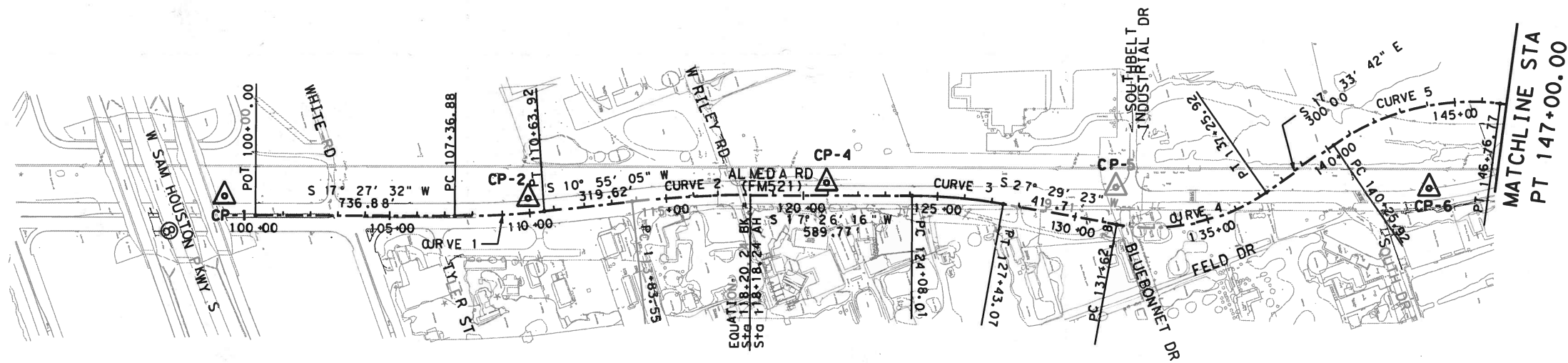
2929 Briarpark Drive Suite 175 Houston, Texas 77042

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.
12	FORT BEND	0111	03
		JOB NO.	SHEET NO.
		066	11

PROJECT NO. LJA5001-2694-1901

L:\CIVILCORP_LLC\Survey\1220042 FM 521 - FM 2234\Data\Dgn\Control Maps\CC_FM521_SC101.dgn
 4:59:55 PM
 7/25/2014



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

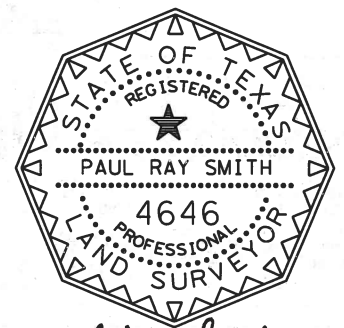
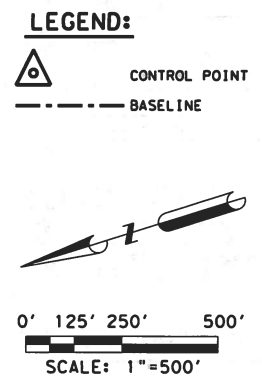
CURVE 2
 PI STATION = 116+01.13
 DELTA = 6° 31' 13.27" (RT)
 DEGREE OF CURVE = 1° 30' 00.00"
 TANGENT = 217.58
 LENGTH = 434.69
 RADIUS = 3,819.72
 PC STATION = 113+83.55
 PT STATION = 118+18.24

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		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		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



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

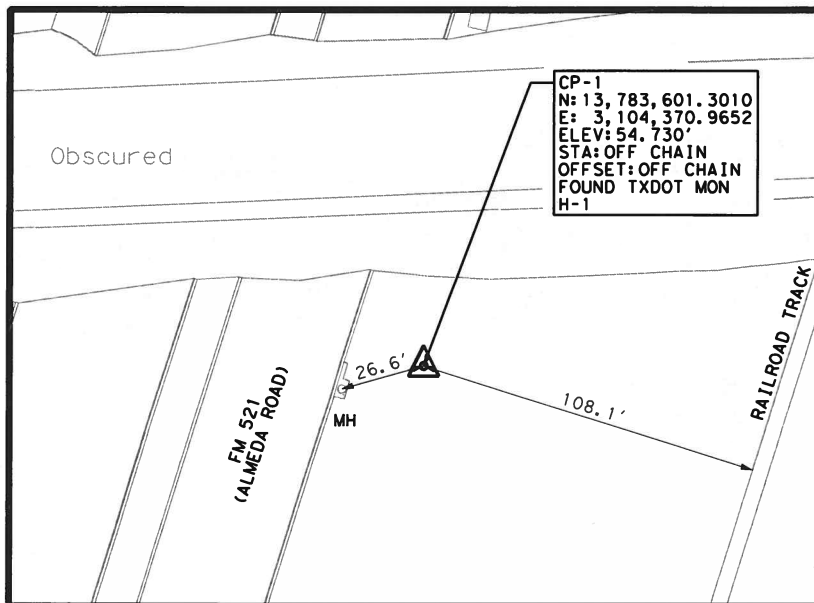
AIA ENGINEERS, LTD.
 CONSULTANTS
 15310 PARK ROW, HOUSTON, TX 77084
 PHONE: (281) 493-4140 TBPE #2801

Texas Department of Transportation

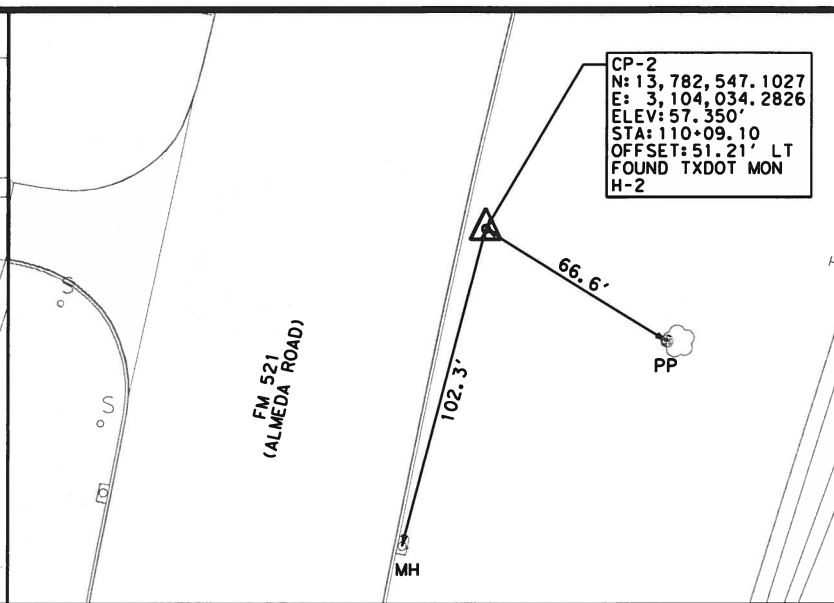
FM 521/FM 2234		
SURVEY CONTROL INDEX SHEET		
FED RD DIV NO. 6	PROJECT NO. 066	SHEET NO. 12
STATE TEXAS	DISTRICT HOU	COUNTY FORT BEND
CONTROL 0111	SECTION 03	HIGHWAY FM 521

NOTES:

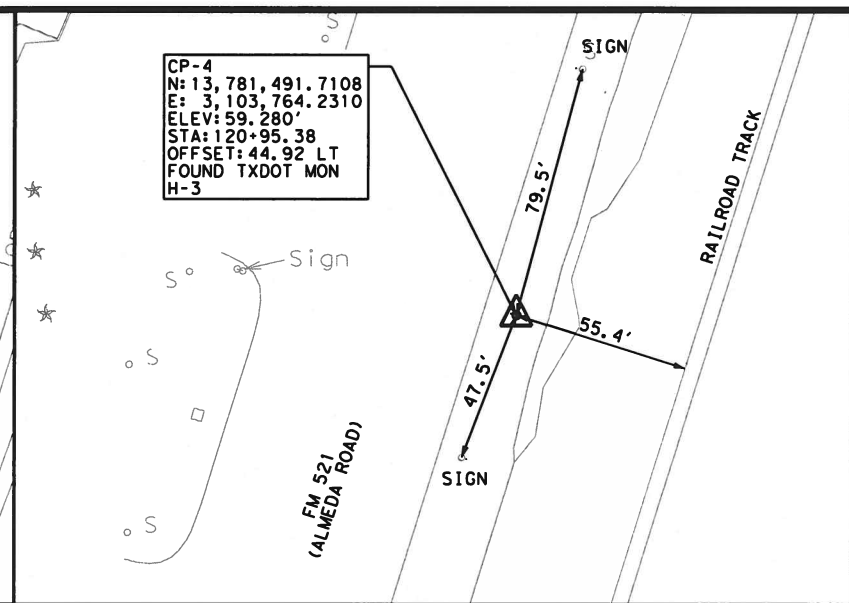
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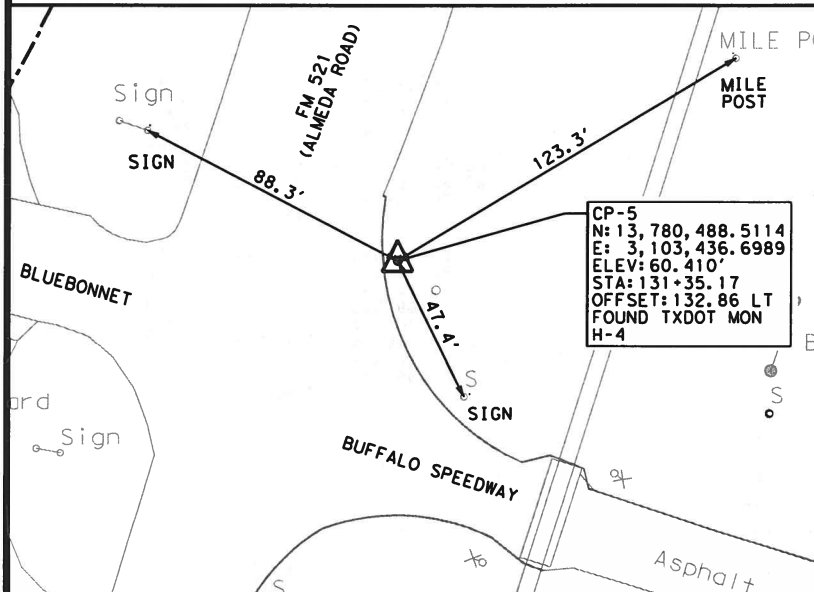
LOCATED ON THE EASTBOUND SIDE ON FM 521, ± 400 FEET NORTH OF WHITE ROAD



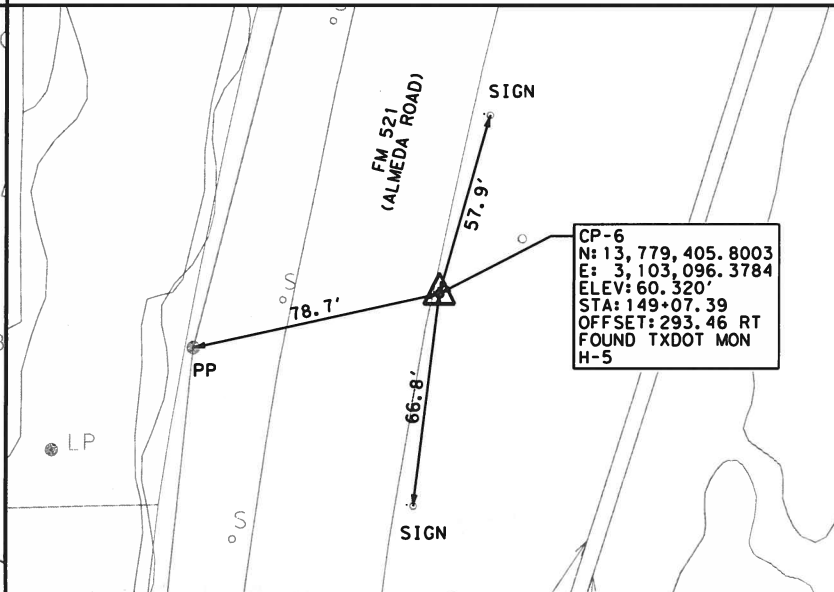
LOCATED ON THE EASTBOUND SIDE ON FM 521, ± 700 FEET NORTH OF RILEY ROAD



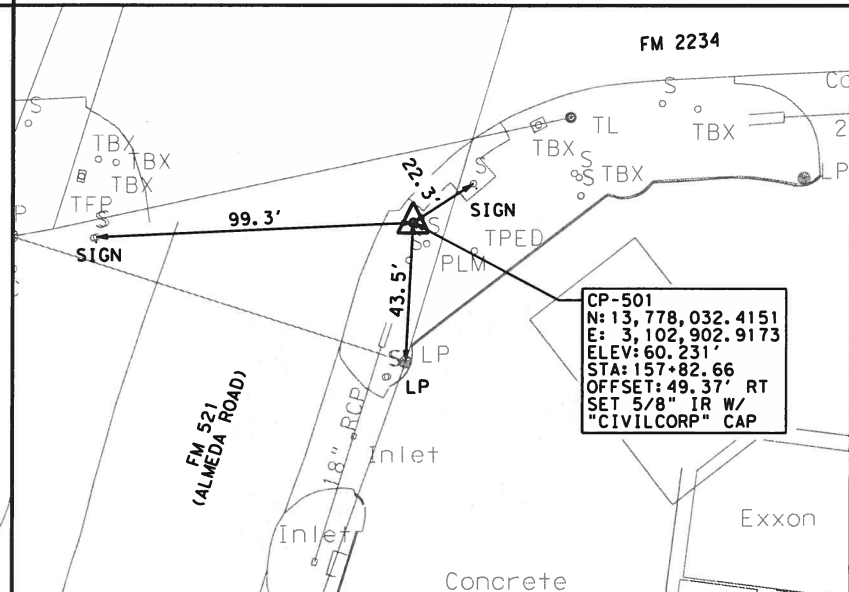
LOCATED ON THE EASTBOUND SIDE ON FM 521, ± 400 FEET NORTH OF SOUTH OF RILEY ROAD



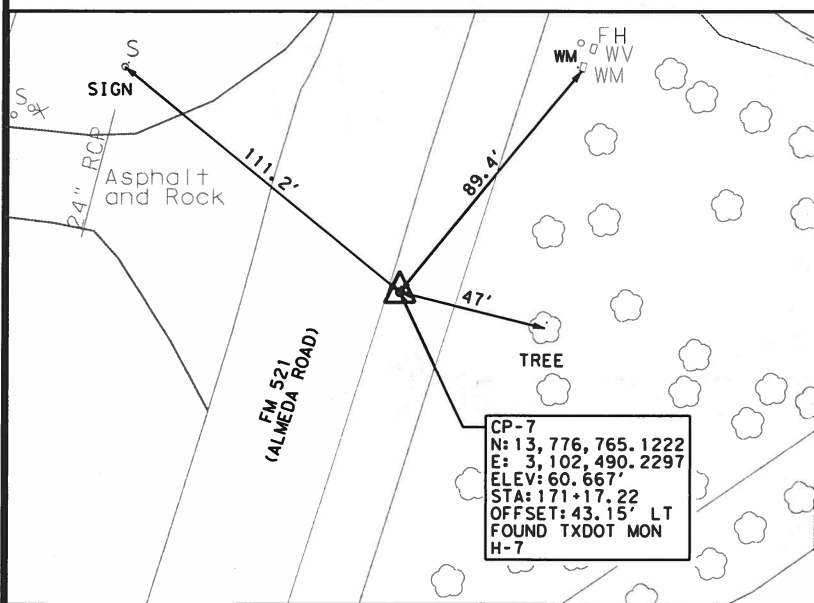
LOCATED ON THE EAST SIDE OF FM 521 AT THE INTERSECTION OF BUFFULO SPEEDWAY



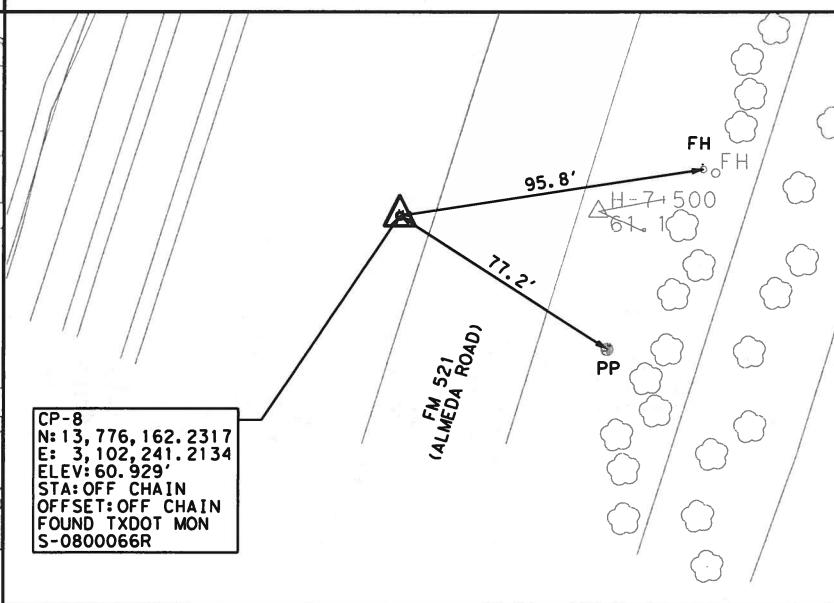
LOCATED ON THE EASTBOUND SIDE ON FM 521, ± 350 FEET SOUTH OF SOUTH DRIVE



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

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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

NOT TO SCALE

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

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

Texas Department of Transportation

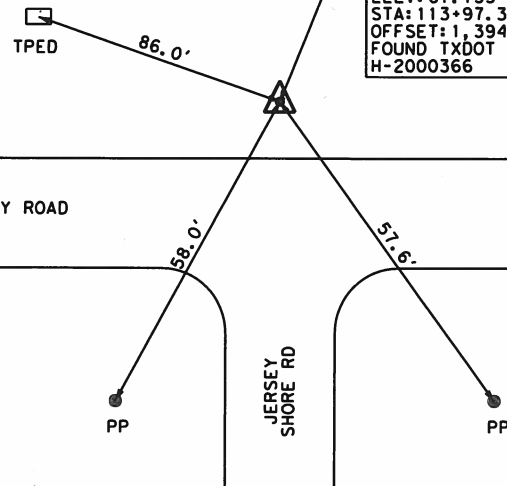
FM 521/FM 2234

HORIZONTAL & VERTICAL CONTROL SKETCHES

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

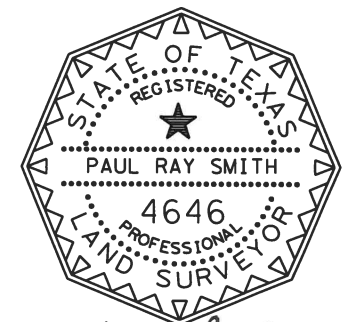
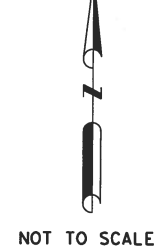
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 7/25/2014

CP-3
 N: 13,781,907.6180
 E: 3,105,278.3184
 ELEV: 61.735'
 STA: 113+97.34
 OFFSET: 1,394.40 LT
 FOUND TXDOT MON
 H-2000366



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

LP INDICATES LIGHT POLE
 EP INDICATES EDGE OF PAVEMENT
 MH INDICATES MANHOLE
 TEL INDICATES TELEPHONE
 PP INDICATES POWER POLE
 FH INDICATES FIRE HYDRANT
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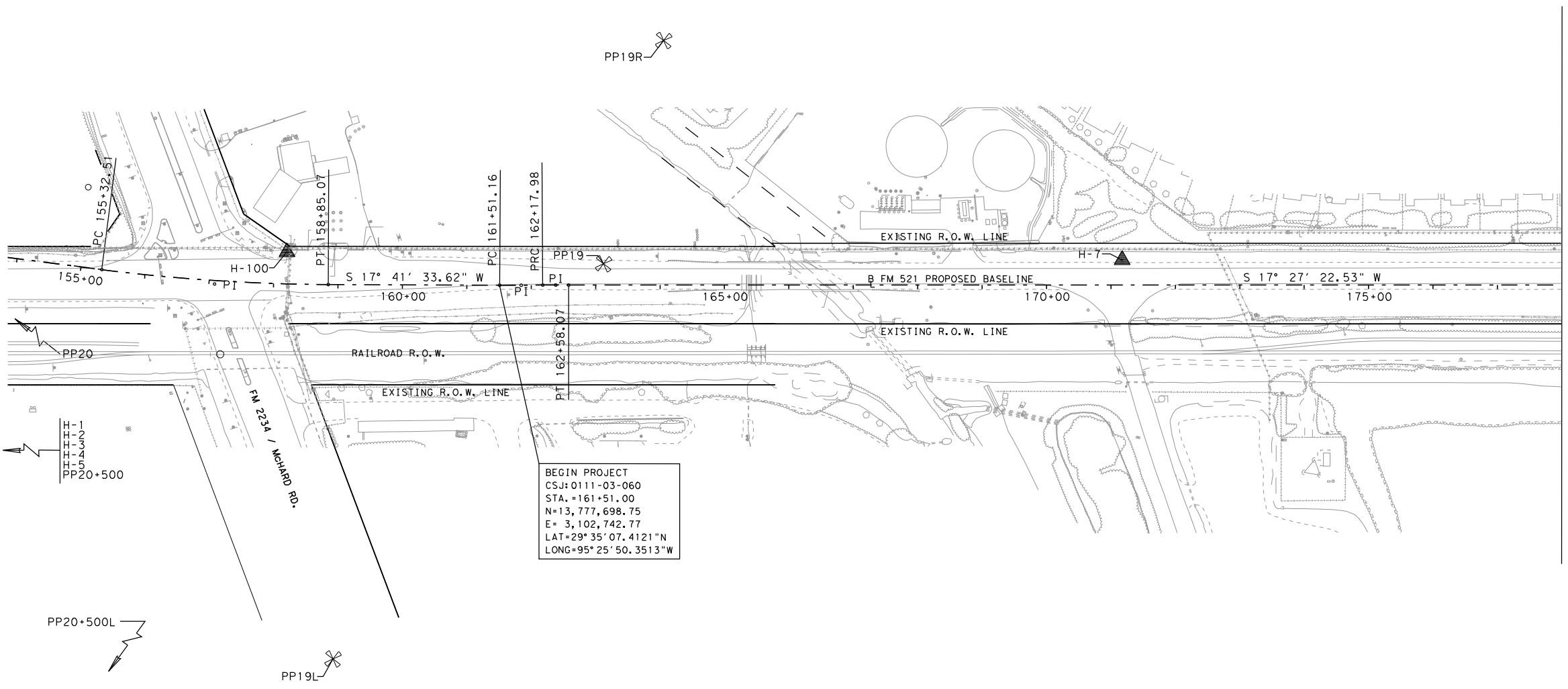
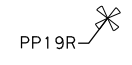
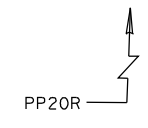
FM 521/FM 2234
HORIZONTAL & VERTICAL CONTROL SKETCHES

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

NOTES:
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L:\CIVILCORP\LLC\Survey\1220042 FM 521 - FM 2234\Data\Dgn\Control Maps\CC_FM521_SCS02.dgn
 5:01:58 PM
 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



BEGIN PROJECT
 CSJ: 0111-03-060
 STA. = 161+51.00
 N=13,777,698.75
 E= 3,102,742.77
 LAT=29° 35' 07.4121"N
 LONG=95° 25' 50.3513"W

MATCHLINE STA. 178+00

- 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).
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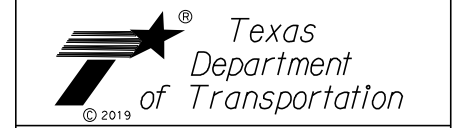


Jimmy Walton 5-19-2017

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



FM 521
 SURVEY CONTROL
 INDEX SHEET

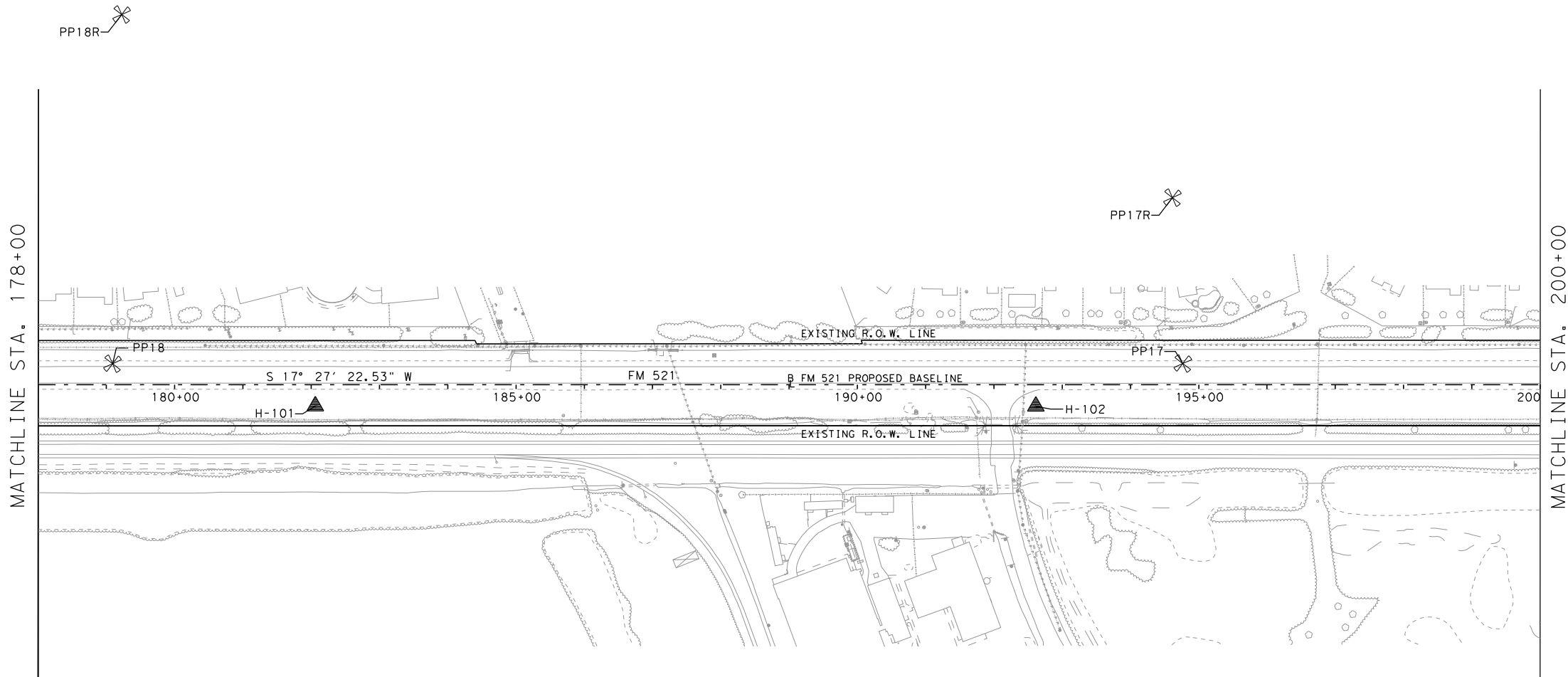
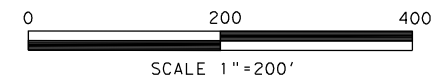
CONTROL MONUMENT DATA TABLE						
Point	North	East	Elevation	Station	Offset	Description
H-1	13,783,601.31	3,104,370.97	54.73'			FND ALUM. CAP
H-2	13,782,547.10	3,104,034.28	57.46'			FND ALUM. CAP
H-3	13,781,491.71	3,103,764.23	59.33'			FND ALUM. CAP
H-4	13,780,488.51	3,103,436.69	60.43'			FND ALUM. CAP
H-5	13,779,405.80	3,103,096.38	60.35'			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	SET 5/8" IRW/ALUMCAP IN CONC
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'			SET 5/8" IR & PANEL
PP20+500L	13,779,617.66	3,102,777.45	60.78'			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-100	H-7	S 08° 18' 18" W	1,422.49
H-7	H-101	S 18° 00' 03" W	1,236.56
H-7	H-102	S 21° 08' 47" W	1,090.80
H-101	H-102	S 17° 28' 29" W	1,055.44

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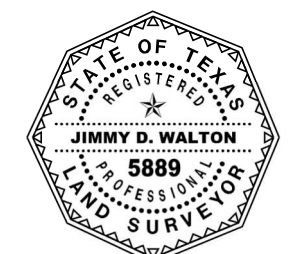
FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		15	
FED. RD. DIV. NO.	STATE	DISTRICT	COUNTY
6	TEXAS	HOUSTON	FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB HIGHWAY
12	0111	03	066 FM 521

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET2.dgn



- NOTES:
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Jimmy D. Walton 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



FM 521
SURVEY CONTROL
INDEX SHEET

CONTROL INVERSE TABLE

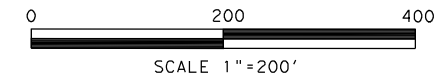
From	To	Bearing	Distance
H-7	H-101	S 21° 08' 47" W	1,090.80
H-101	H-102	S 17° 28' 29" W	1,055.44
H-102	H-103	S 17° 54' 31" W	1,053.50

CONTROL MONUMENT DATA TABLE

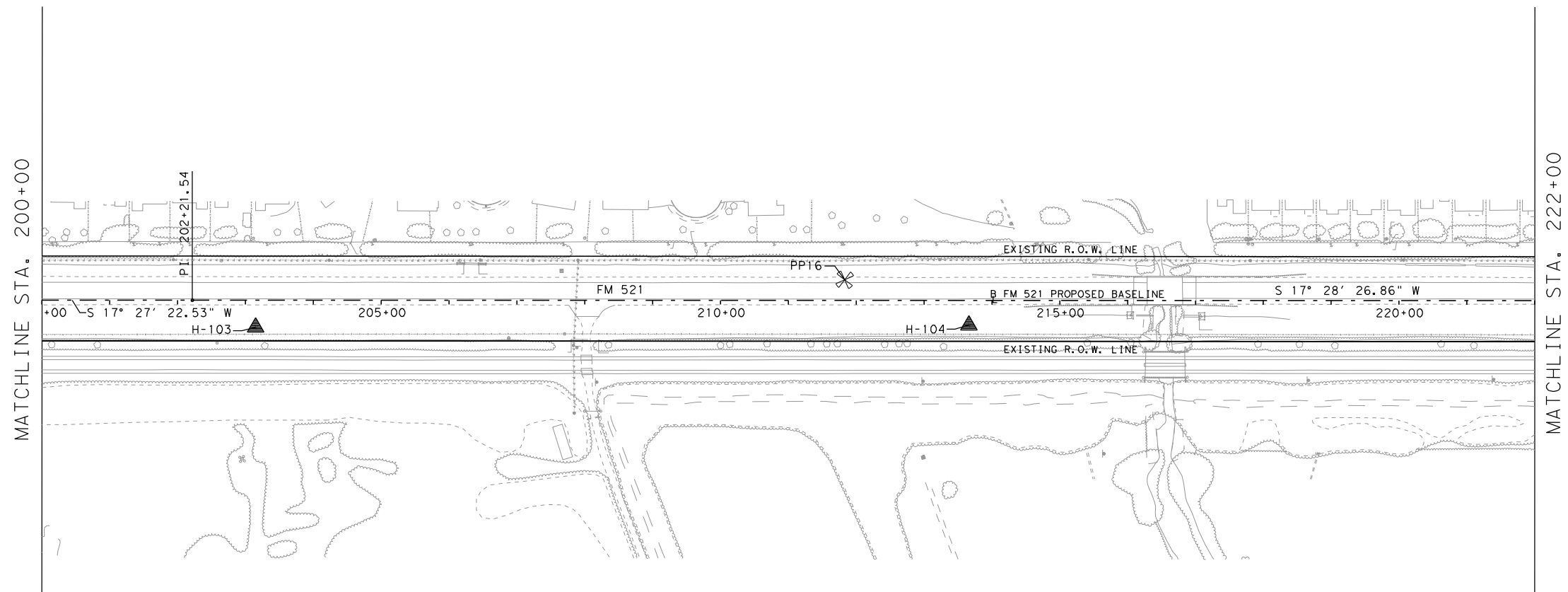
Point	North	East	Elevation	Station	Offset	Description
H-101	13,775,747.78	3,102,096.72	61.13'	182+05.92	31.24'R	SET5/8IRW/ALUMCAPINCONC
H-102	13,774,741.05	3,101,779.79	61.75'	192+61.36	31.58'R	SET5/8IRW/ALUMCAPINCONC
PP17	13,774,517.03	3,101,775.04	62.80'	194+76.48	31.09'L	SET MAG NAIL
PP17R	13,774,458.57	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

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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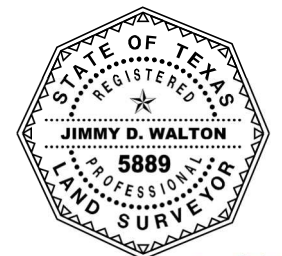
PP16R



NOTES:

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Survey Date: DECEMBER, 2015

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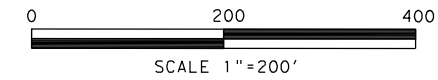
FM 521
SURVEY CONTROL
INDEX SHEET

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

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

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET4.dgn



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Jimmy D. Walton 5-19-2017

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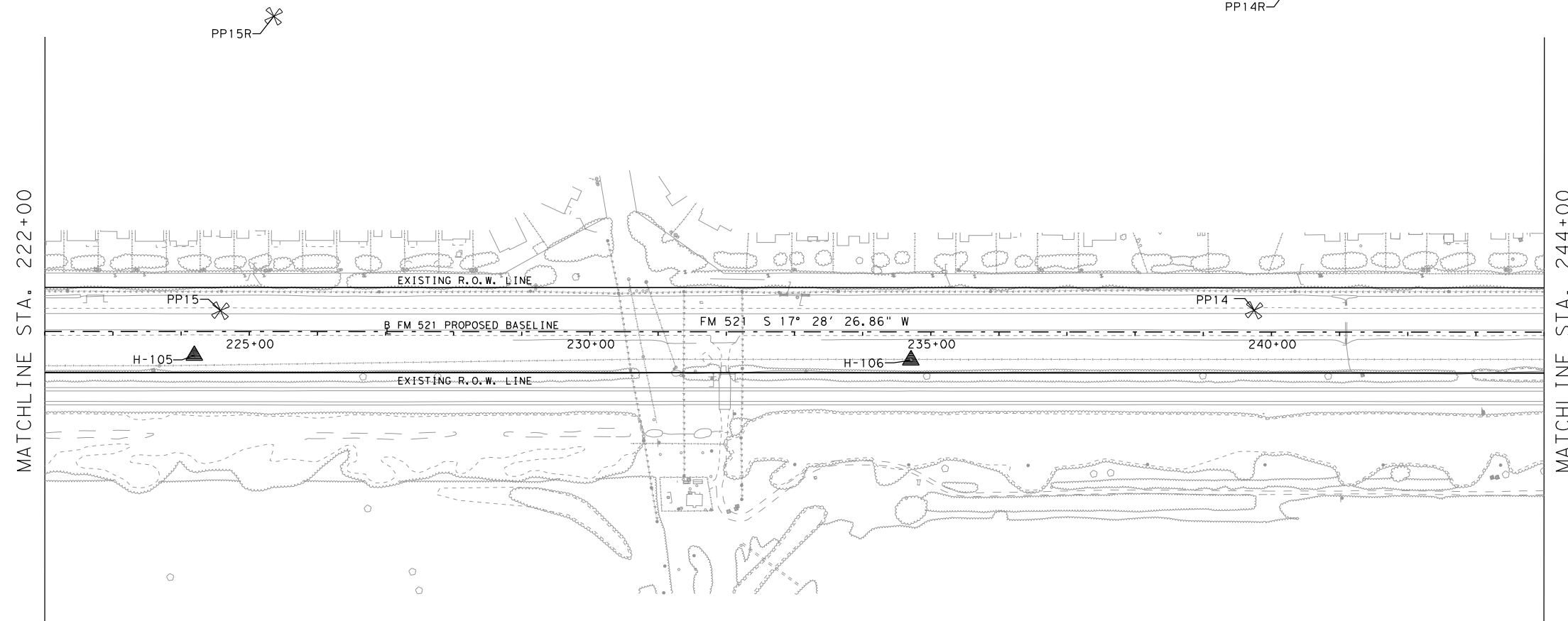
Survey Date: DECEMBER, 2015

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FM 521
SURVEY CONTROL
INDEX SHEET

FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		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



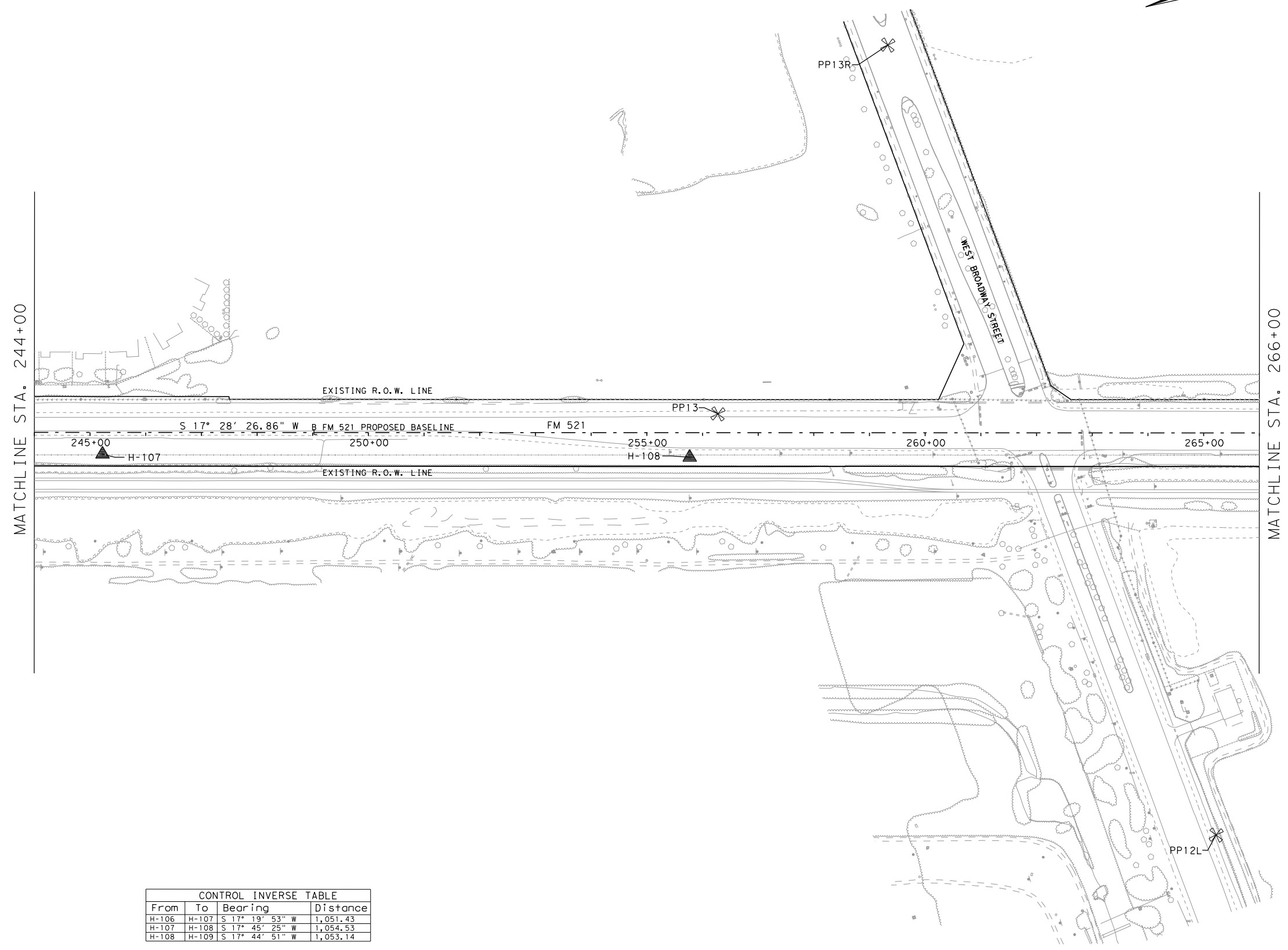
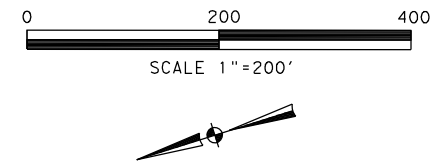
CONTROL INVERSE TABLE

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	SET 5/8 IRW/ALUMCAP IN CONC
H-106	13,770,728.74	3,100,506.41	64.79'	234+70.88	41.70' R	SET 5/8 IRW/ALUMCAP IN CONC
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

N:\LJA\339\21322002\CAD\H&V Control\H&V INDEX_ SHEETS_5.dgn



- NOTES:
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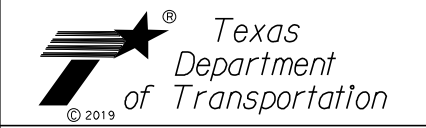


Jimmy D. Walton 5-19-2017

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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



FM 521
SURVEY CONTROL
INDEX SHEET

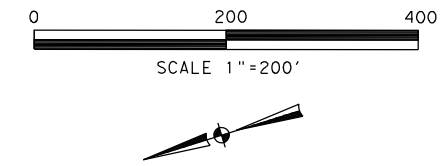
CONTROL INVERSE TABLE

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	SET 5/8" IRW/ALUMCAP IN CONC
H-108	13,768,720.76	3,099,871.58	64.56'	255+76.82	44.28'R	SET 5/8" IRW/ALUMCAP IN CONC
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

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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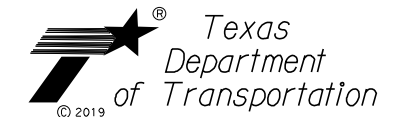
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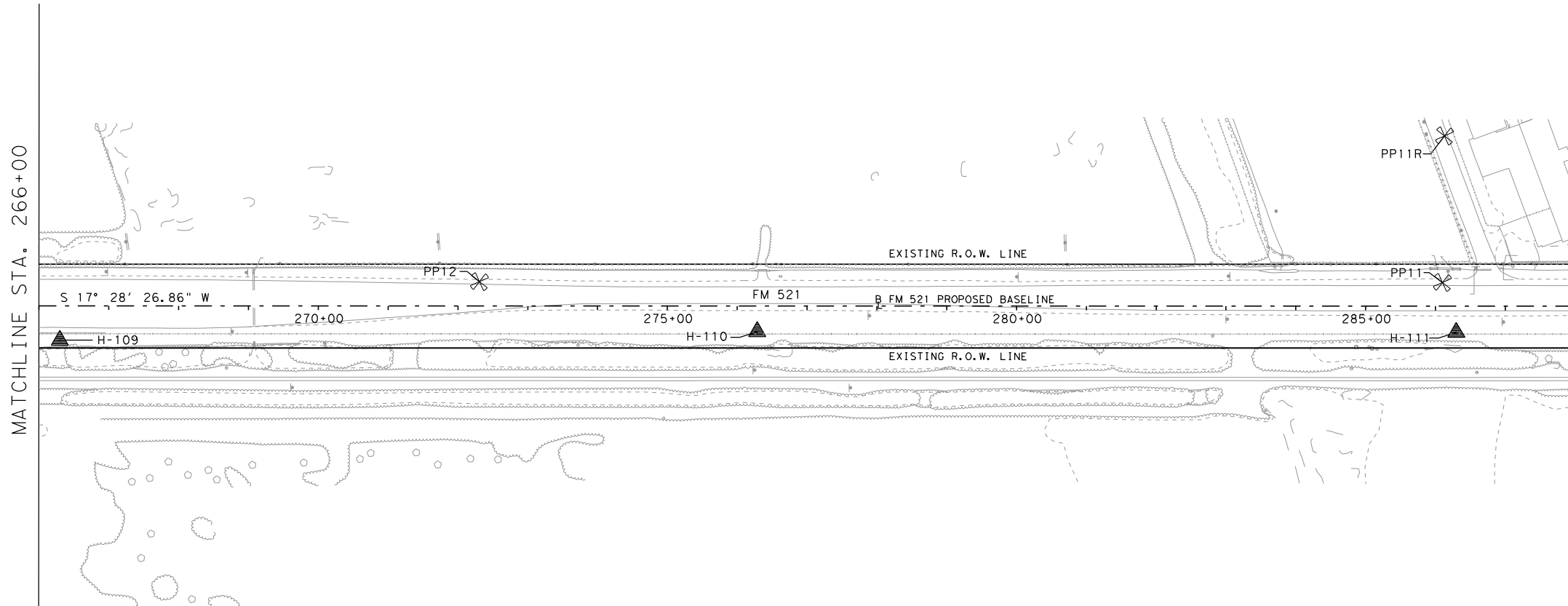
RODS
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SURVEY CONTROL
INDEX SHEET

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

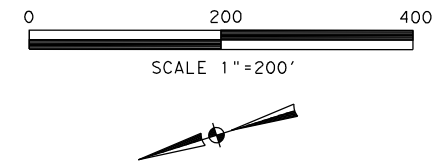


CONTROL INVERSE TABLE

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	SET 5/8" IRW/ALUMCAP IN CONC
H-110	13,766,761.37	3,099,262.75	66.43'	276+28.61	36.66'R	SET 5/8" IRW/ALUMCAP IN CONC
H-111	13,765,806.65	3,098,961.44	67.84'	286+29.75	37.39'R	SET 5/8" IRW/ALUMCAP IN CONC
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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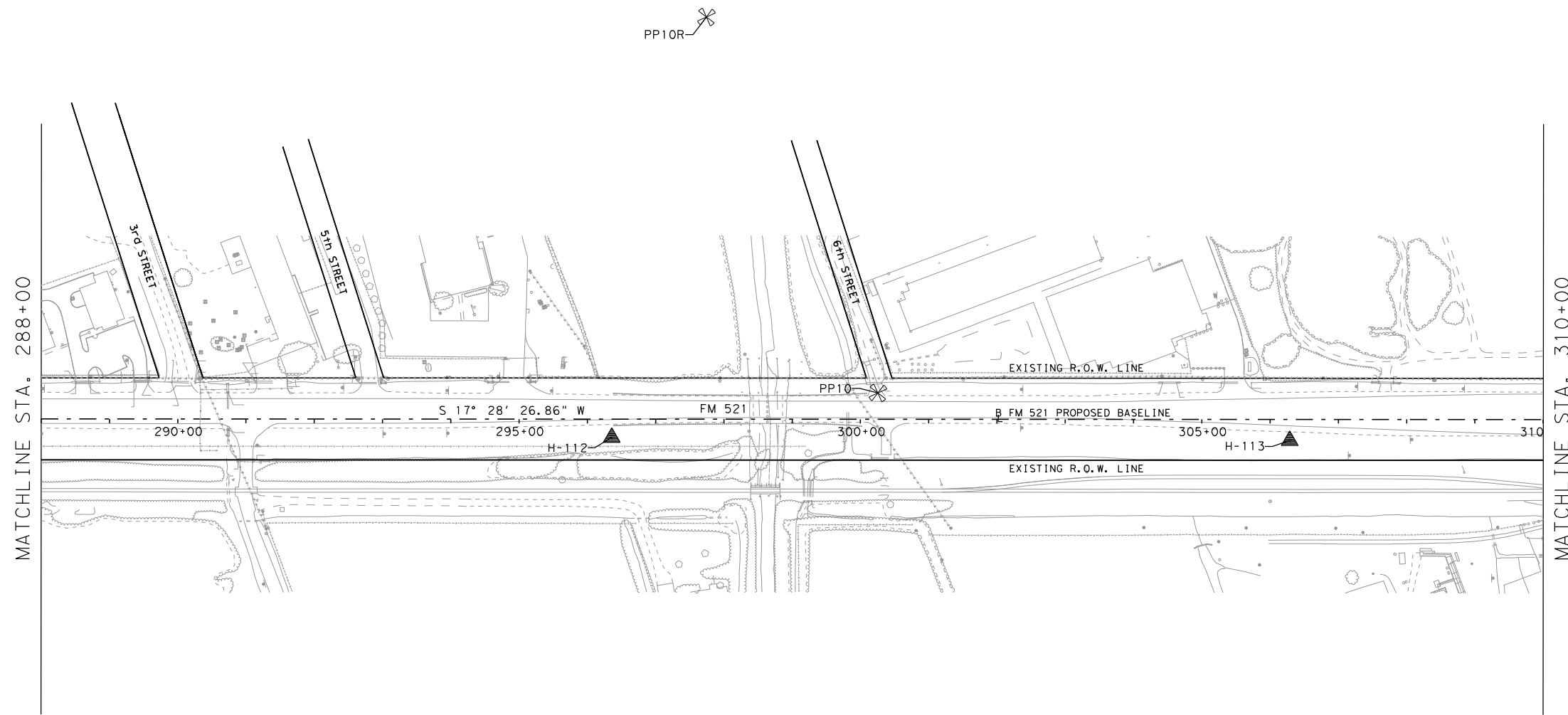
Control Infrastructure
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SURVEY CONTROL
INDEX SHEET

FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		21	
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



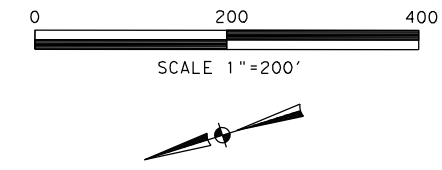
CONTROL INVERSE TABLE

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/ALUMCAPINCONG
H-113	13,763,898.11	3,098,367.26	68.64'	306+28.63	31.06' R	SET5/8IRW/ALUMCAPINCONG
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

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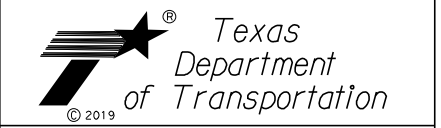
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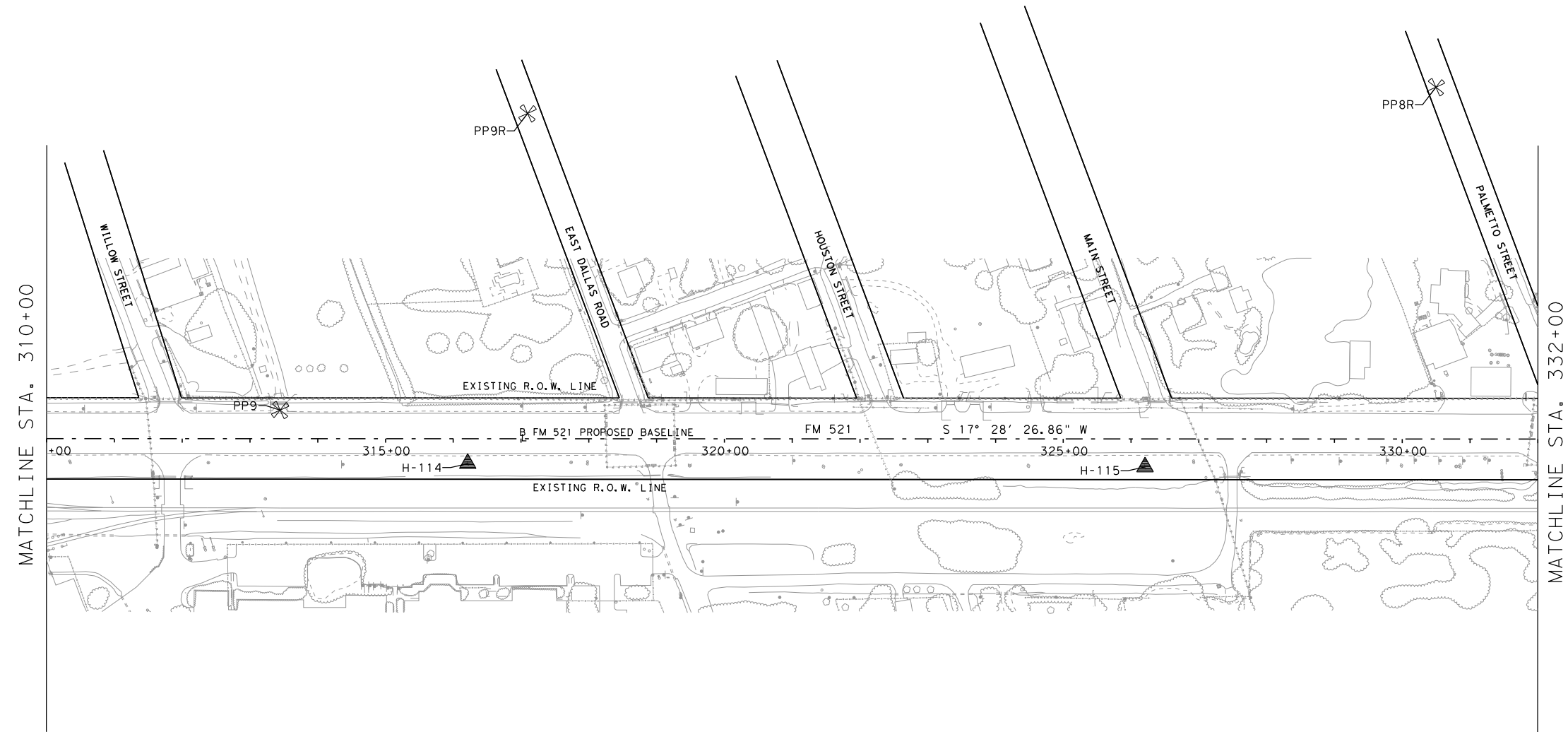
Control Infrastructure Transportation Land Development

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FM 521
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



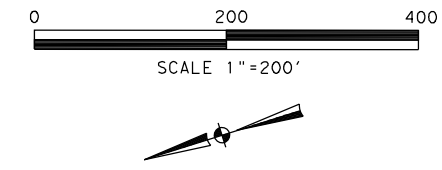
CONTROL INVERSE TABLE

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

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET8.dgn



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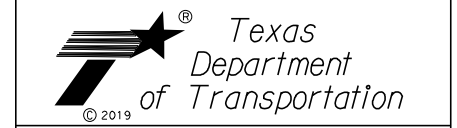
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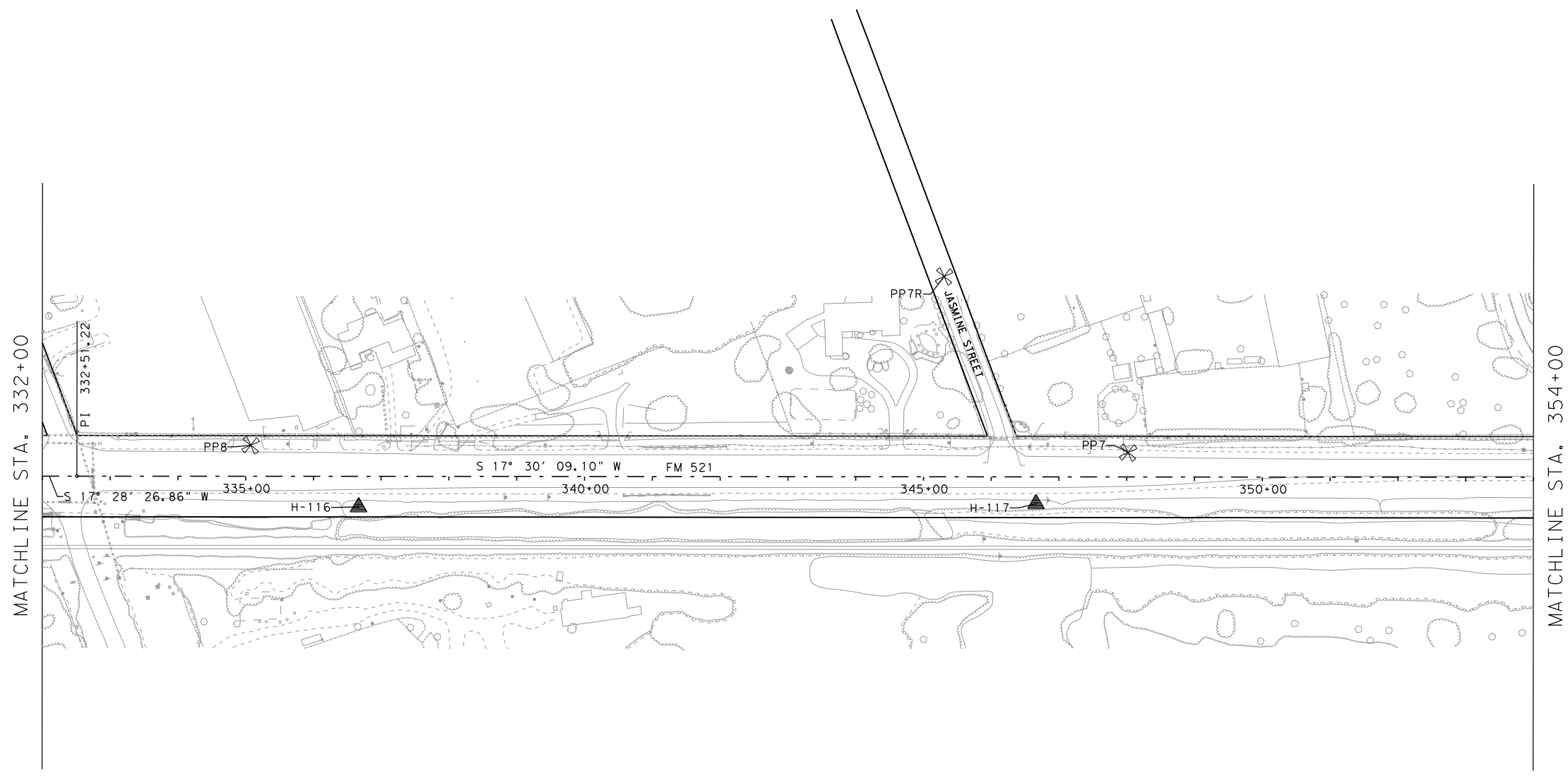
Control Infrastructure
Transportation
Land Development

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FM 521
SURVEY CONTROL
INDEX SHEET

FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		23	
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



MATCHLINE STA. 332+00

MATCHLINE STA. 354+00

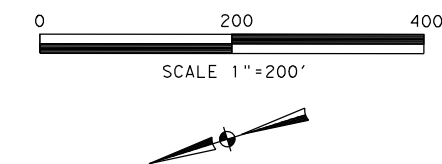
CONTROL INVERSE TABLE

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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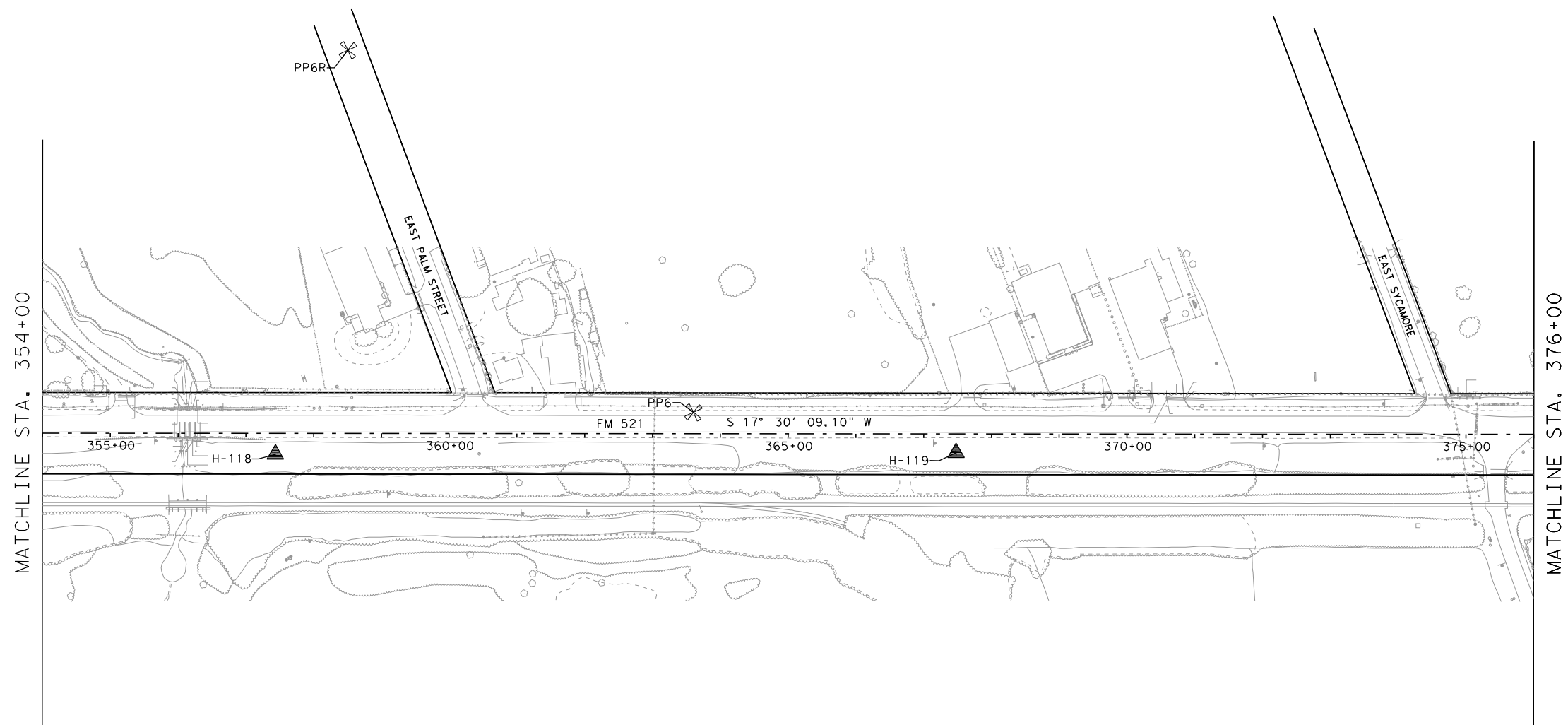
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FM 521
SURVEY CONTROL
INDEX SHEET

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



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	SETS/8IRW/ALUMCAPINCONC
H-119	13,758,060.96	3,096,531.24	70.53'	367+47.74	27.87'R	SETS/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

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SCALE 1"=200'

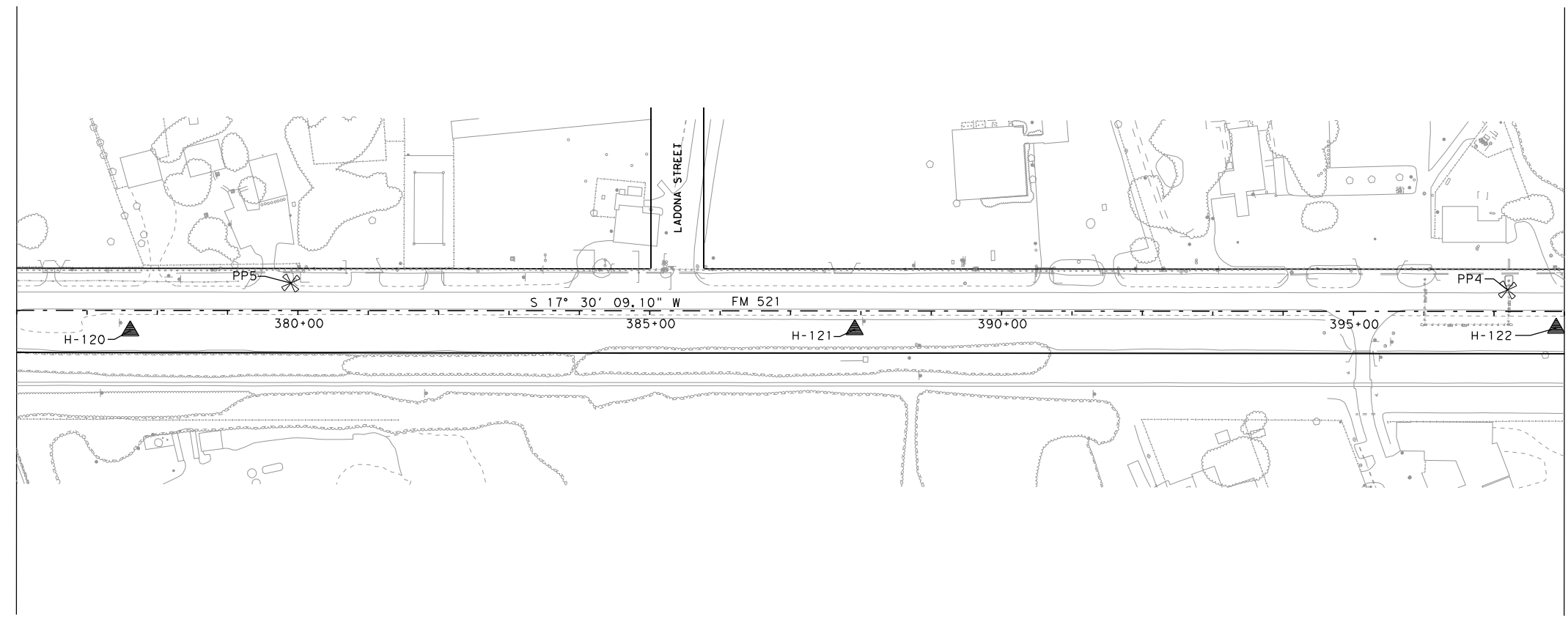


PP4R

PP5R

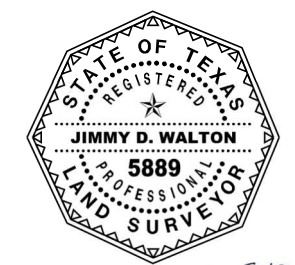
MATCHLINE STA. 376+00

MATCHLINE STA. 398+00



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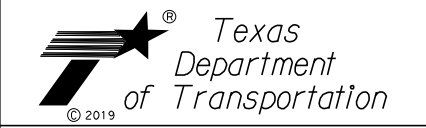


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FM 521
SURVEY CONTROL
INDEX SHEET

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

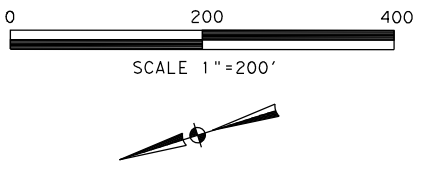
CONTROL INVERSE TABLE

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	SETS/8IRW/ALUMCAPINCONC
H-121	13,756,111.66	3,095,918.04	68.47'	387+91.21	26.43'R	SETS/8IRW/ALUMCAPINCONC
H-122	13,755,159.85	3,095,620.95	66.78'	397+88.30	23.51'R	SETS/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

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'.

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



Jimmy D. Walton 5-19-2017

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

Survey Date: DECEMBER, 2015

RODS
Surveying, Inc.

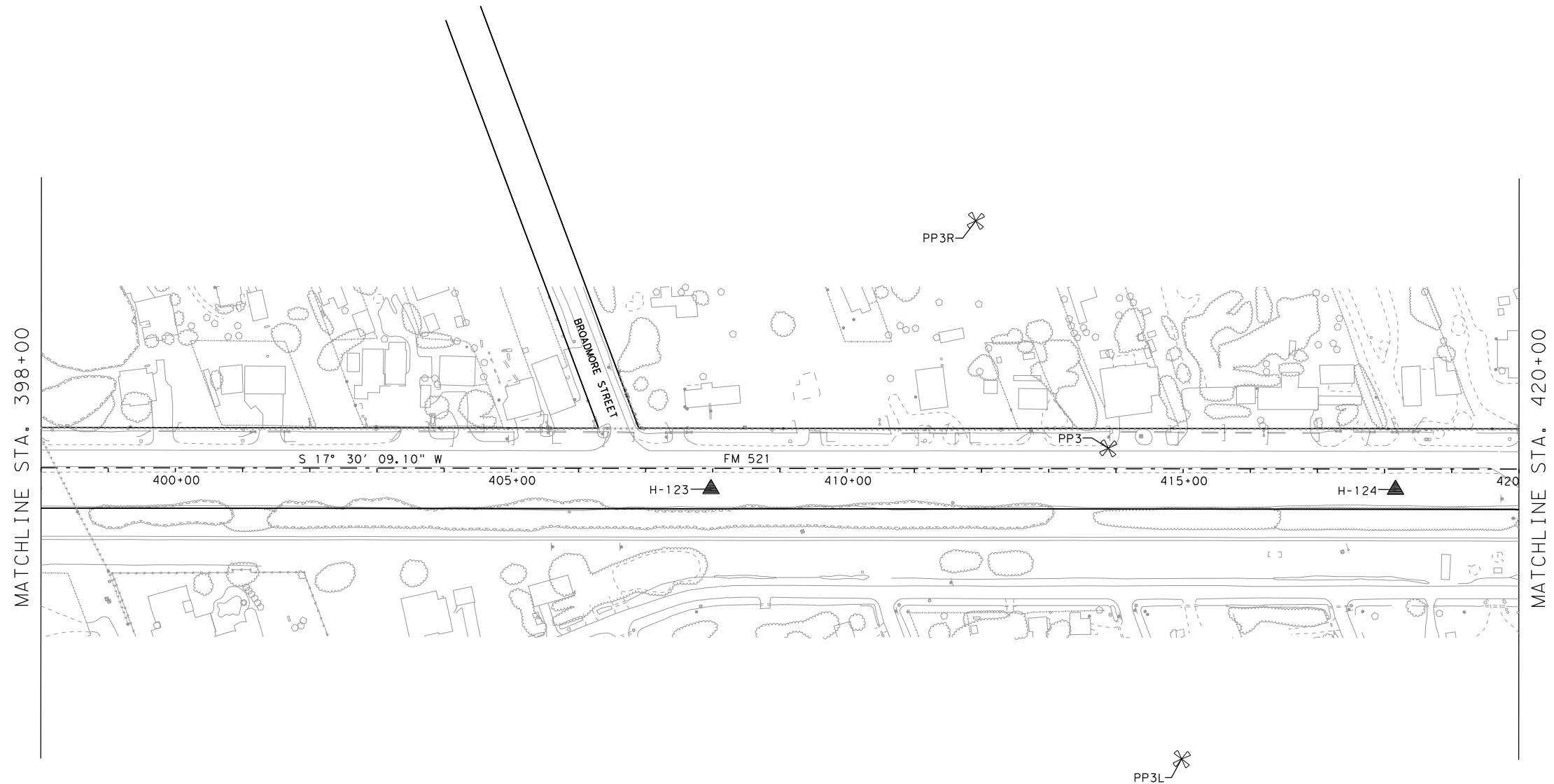
Control Infrastructure
Transportation
Land Development

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



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



MATCHLINE STA. 398+00

MATCHLINE STA. 420+00

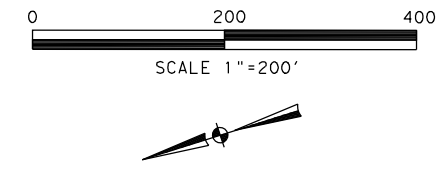
CONTROL INVERSE TABLE

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

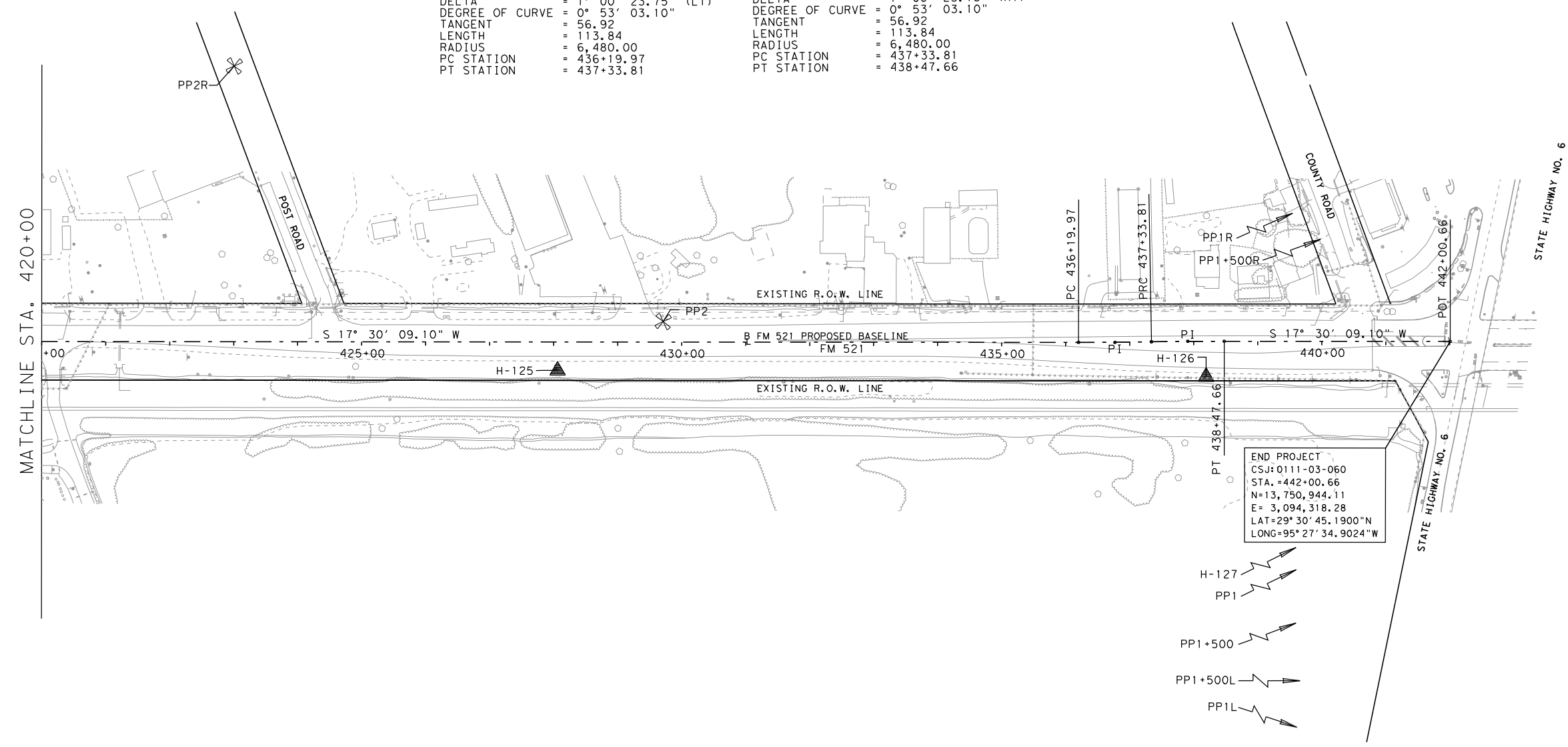
Point	North	East	Elevation	Station	Offset	Description
H-123	13,754,199.75	3,095,310.85	66.53'	407+97.22	30.51'R	SET5/8IRW/ALUMCAPINCONC
H-124	13,753,228.03	3,095,004.20	66.40'	418+16.17	30.72'R	SET5/8IRW/ALUMCAPINCONC
PP3	13,753,617.46	3,095,191.11	66.72'	413+88.56	30.42'L	SET MAG NAIL
PP3L	13,753,651.95	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

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

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



END PROJECT
 CSJ: 0111-03-060
 STA. = 442+00.66
 N = 13,750,944.11
 E = 3,094,318.28
 LAT = 29° 30' 45.1900" N
 LONG = 95° 27' 34.9024" W

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

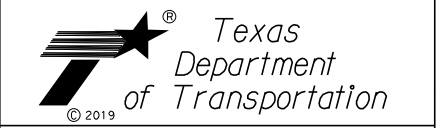


Jimmy D. Walton 5-19-2017

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



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

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

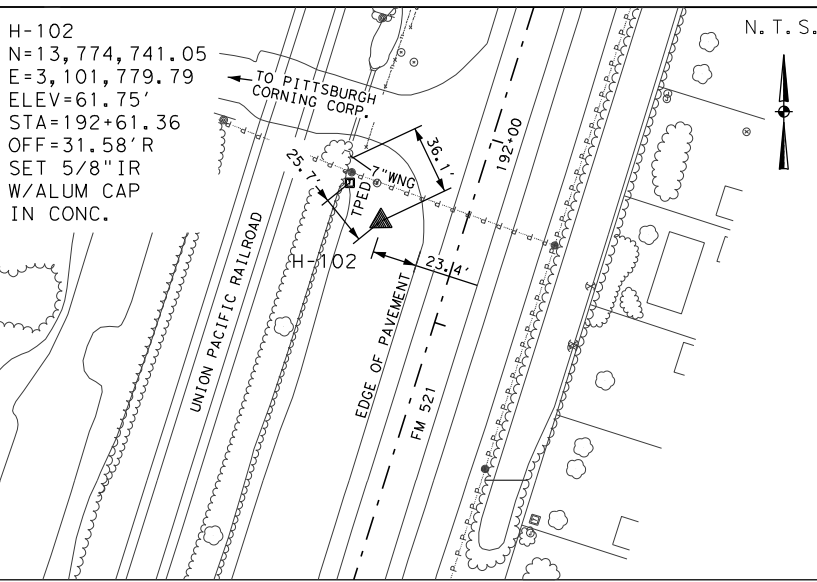
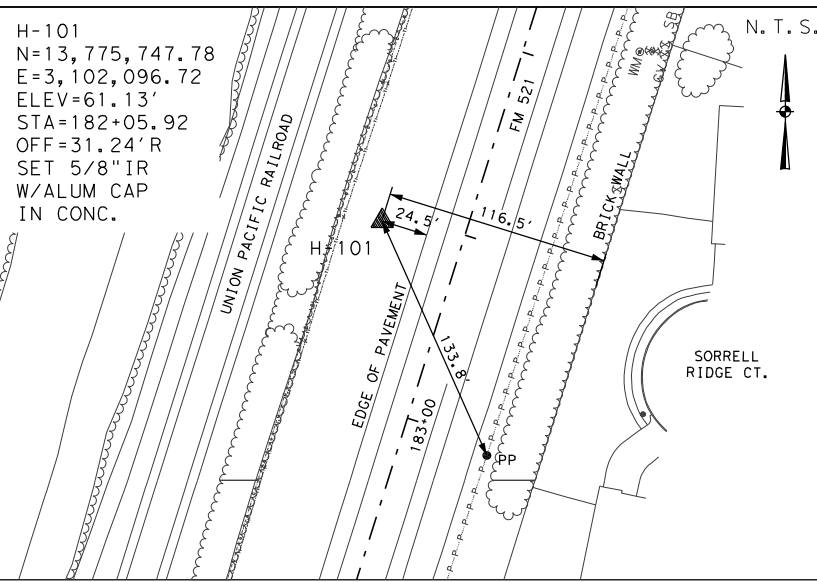
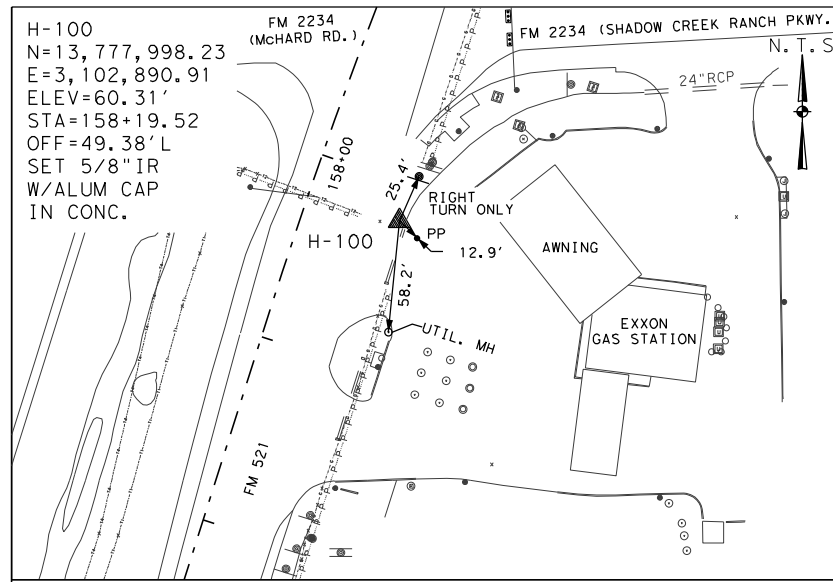
Point	North	East	Elevation	Station	Offset	Description
H-125	13,752,288.03	3,094,693.35	64.61'	428+06.14	44.48'R	SETS/81RW/ALUMCAPINCONC
H-126	13,751,324.32	3,094,379.91	64.30'	438+19.27	55.51'R	SETS/81RW/ALUMCAPINCONC
H-127	13,750,425.87	3,094,214.64	63.57'	Off Chain	Off Chain	SETS/81RW/ALUMCAPINCONC
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	3,094,596.13	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 Project (TSARP) datum, being NAVD88 (2001 Adj. TSARP). Measured values are based on NAVD88 (Geoid Model 12A).

N:\LJA 339\21322002\CAD\H&V Control\H&V INDEX_ SHEET13.dgn



NOTES:

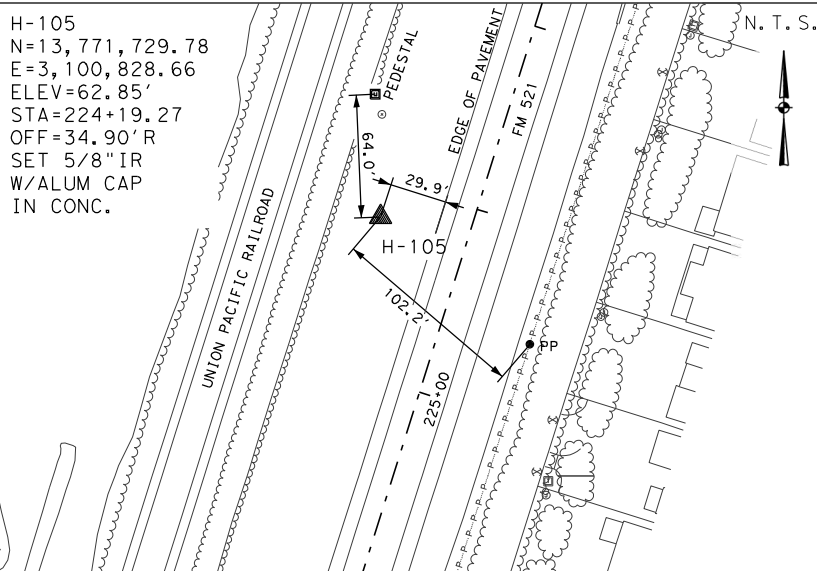
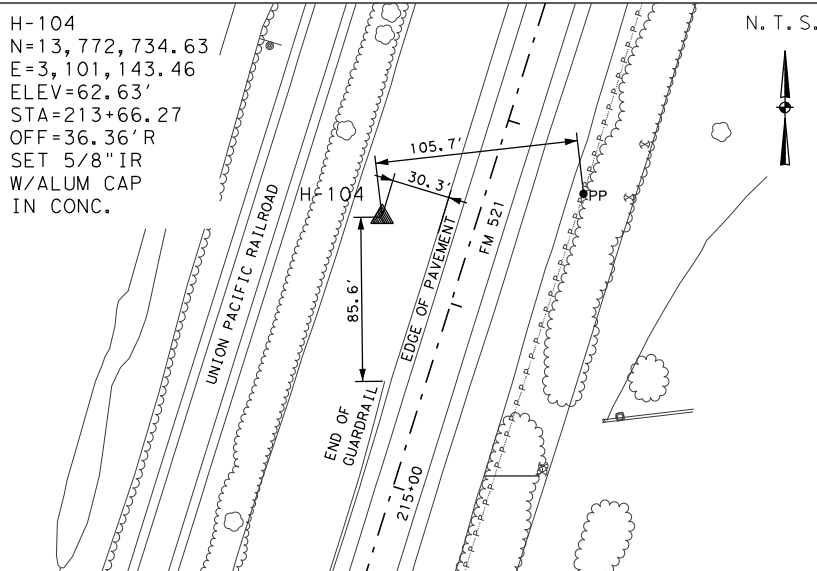
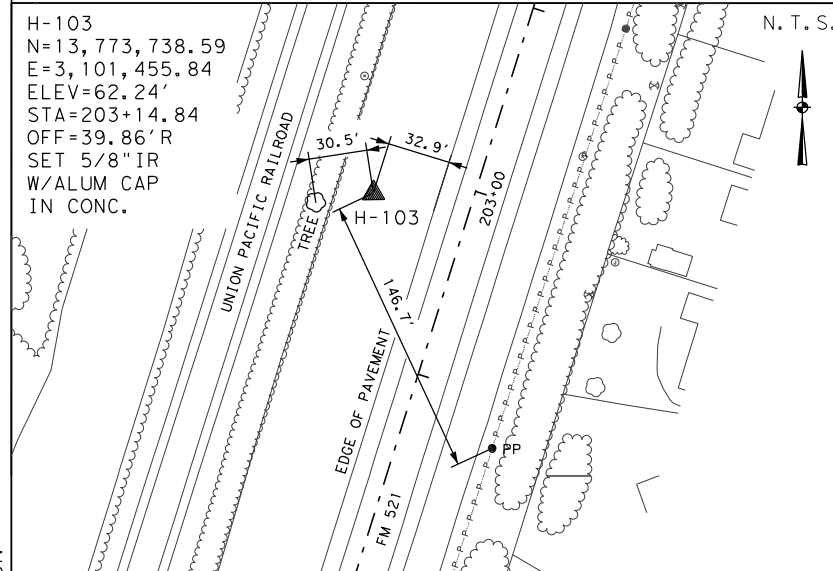
1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
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4. 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'.

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.

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.

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.

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

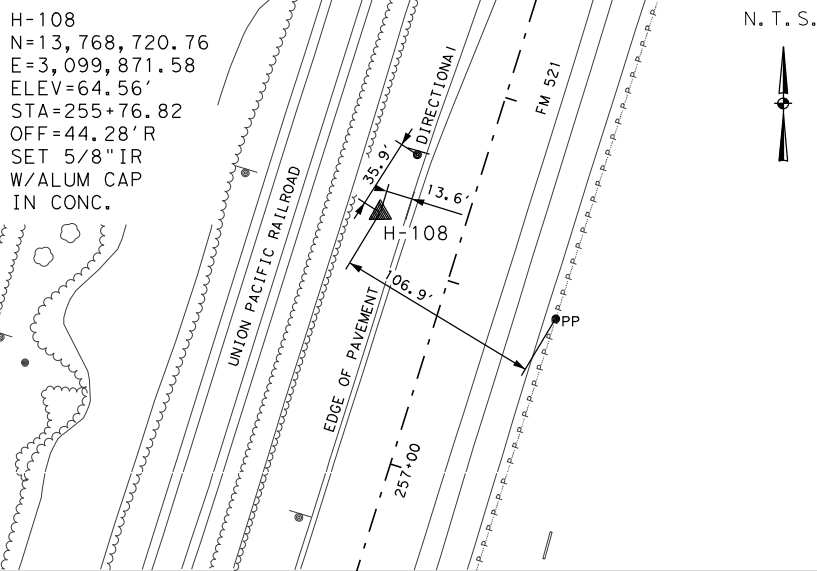
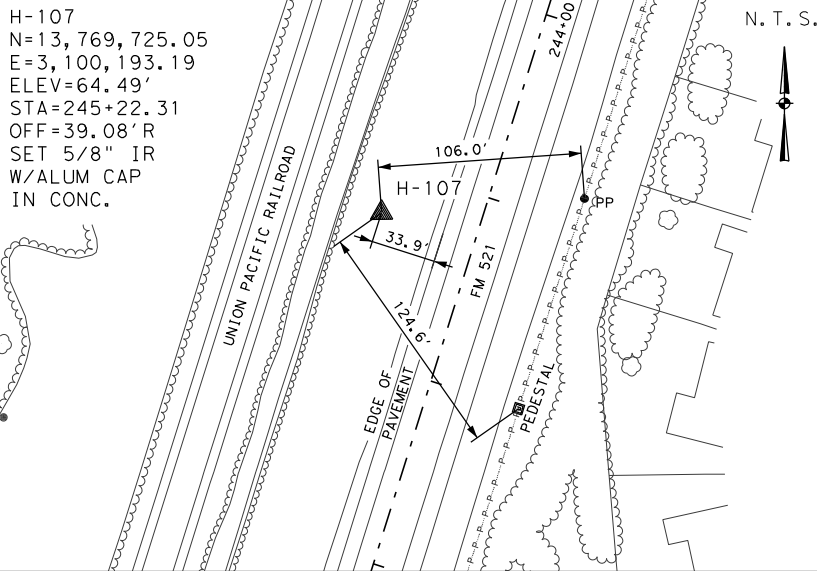
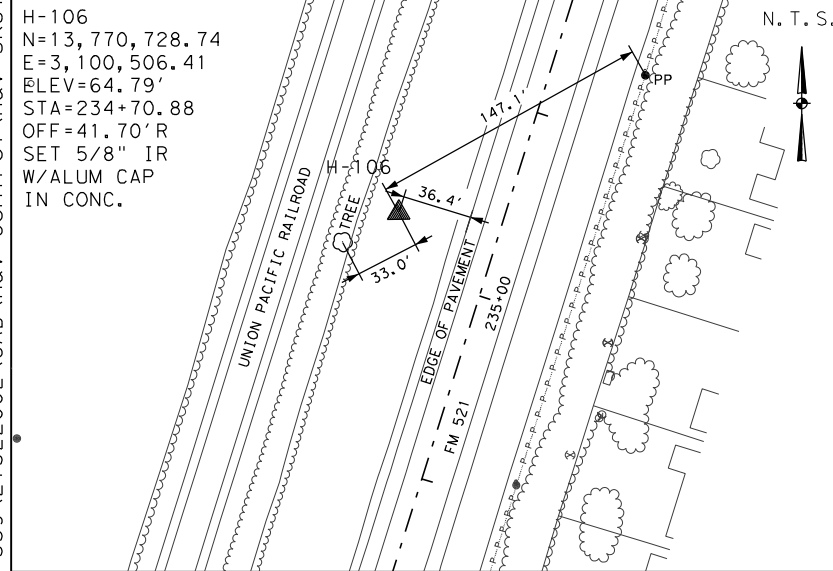


THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

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.

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.

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.



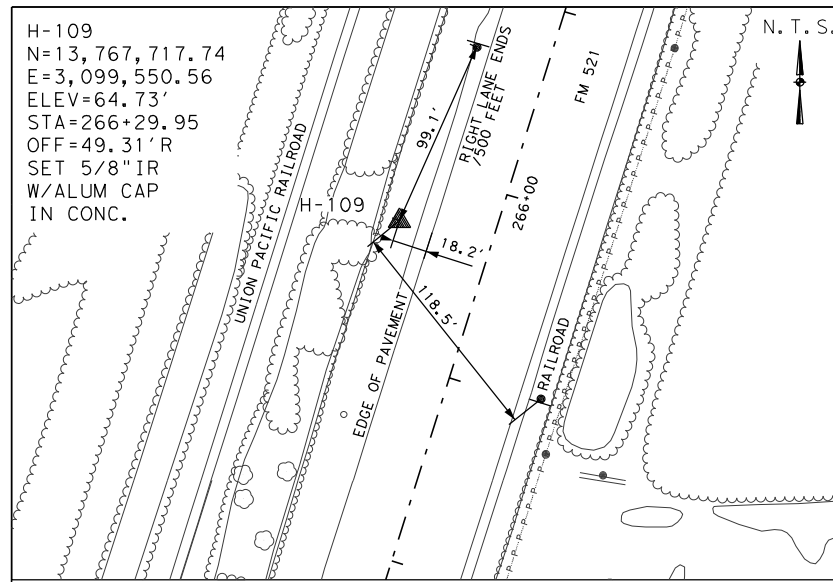
Survey Date: DECEMBER 2015



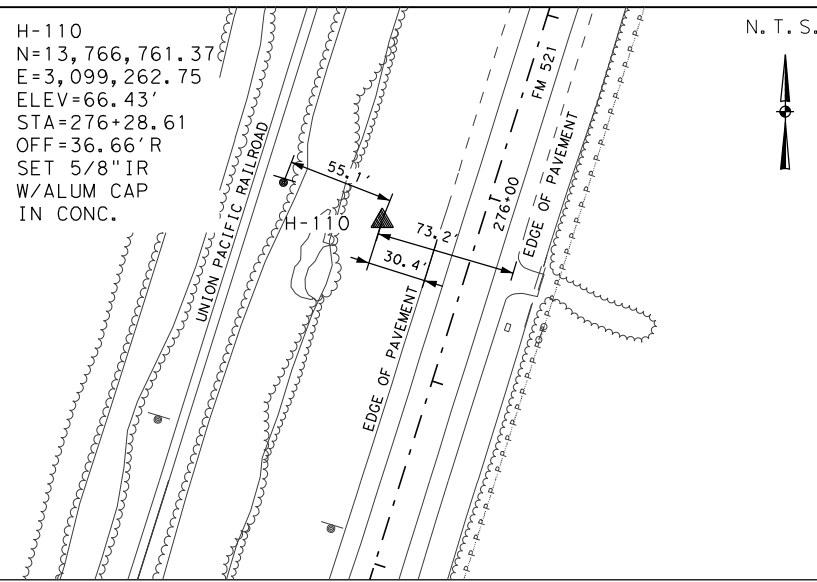
FM 521
HORIZONTAL AND VERTICAL
CONTROL SHEET

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
12	0111	03	066
			FM 521

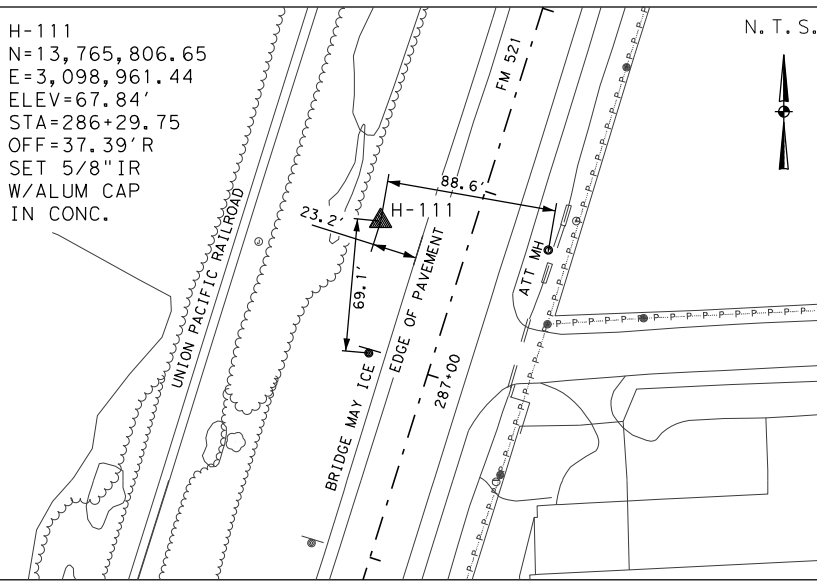
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



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.



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.



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.

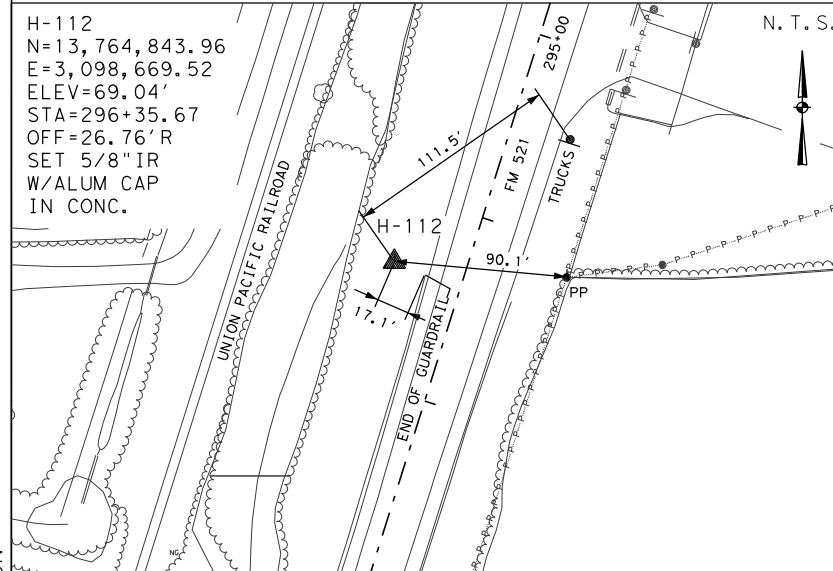
- NOTES:
1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.); EPOCH 2010.00).
 2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
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 4. HORIZONTAL COORDINATES ARE BASED ON GPS RTM 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'.

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.

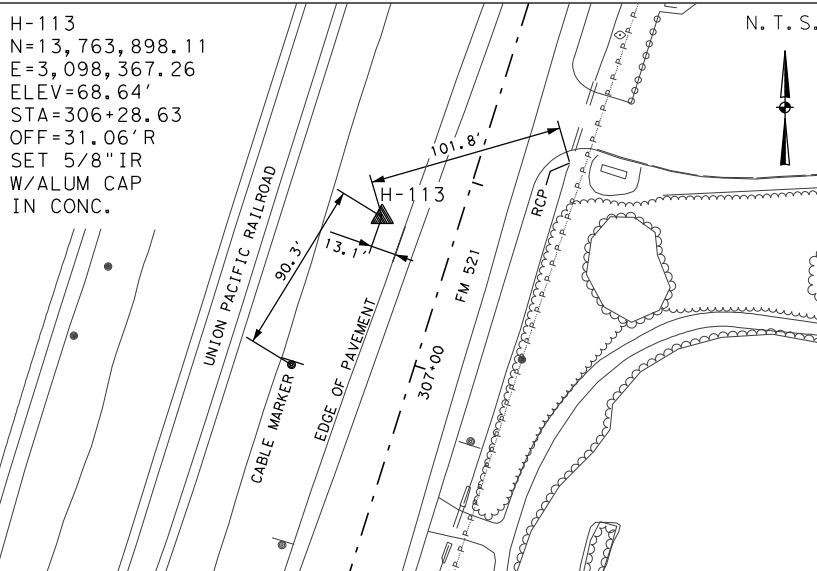
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.26 MILE SOUTH OF THE CENTERLINE OF BROADWAY STREET AND 0.26 MILE NORTH OF THE CENTERLINE OF 3RD STREET.

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.

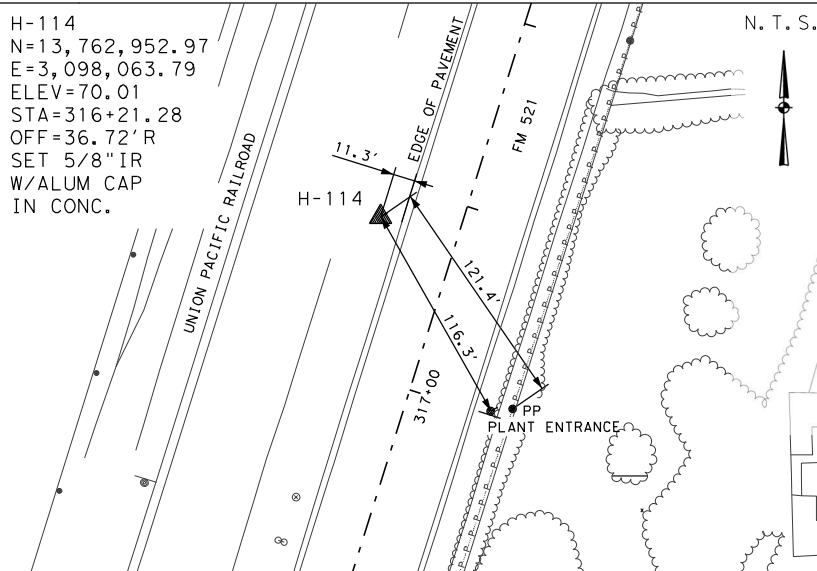
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



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.

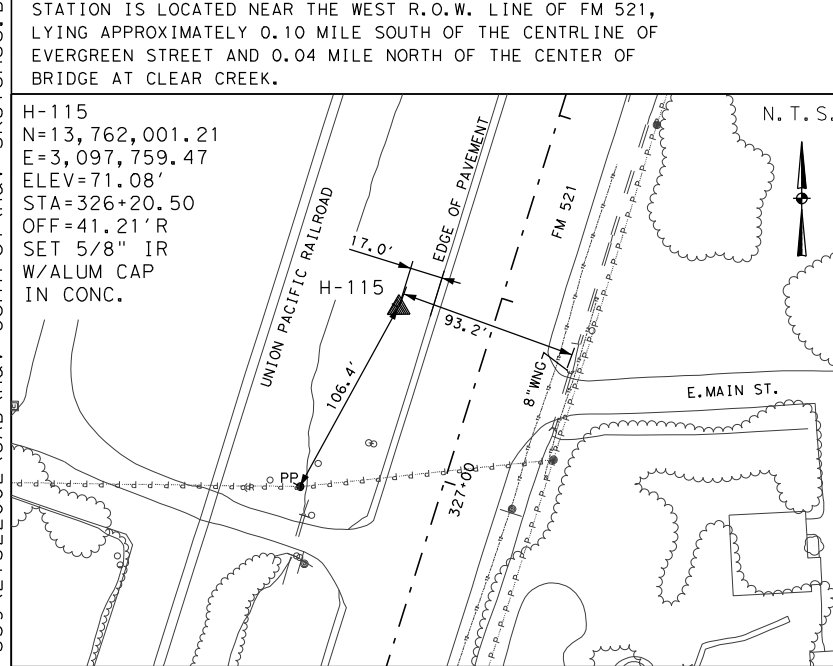


H-113
 N=13,763,898.11
 E=3,098,367.26
 ELEV=68.64'
 STA=306+28.63
 OFF=31.06'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

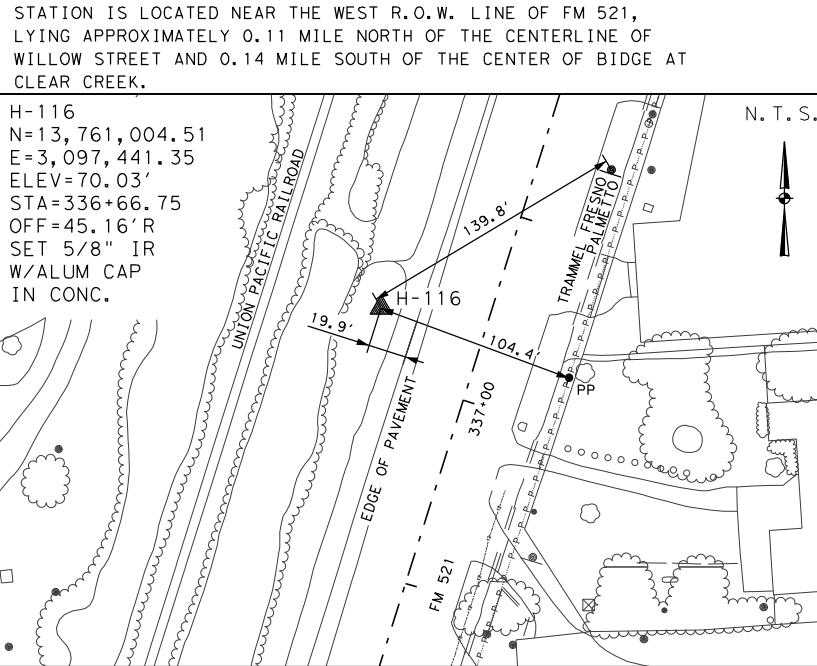


H-114
 N=13,762,952.97
 E=3,098,063.79
 ELEV=70.01
 STA=316+21.28
 OFF=36.72'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

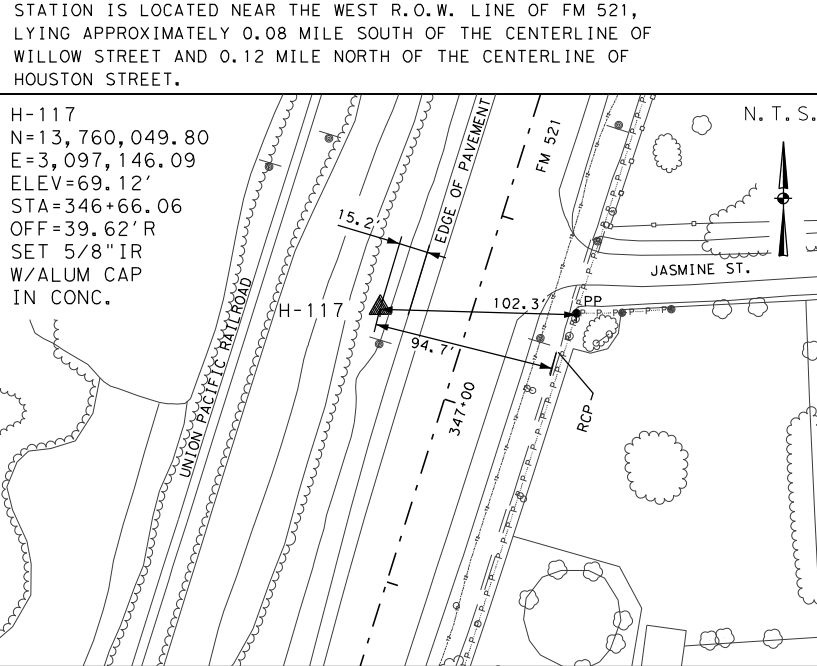
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E



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.



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.



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.

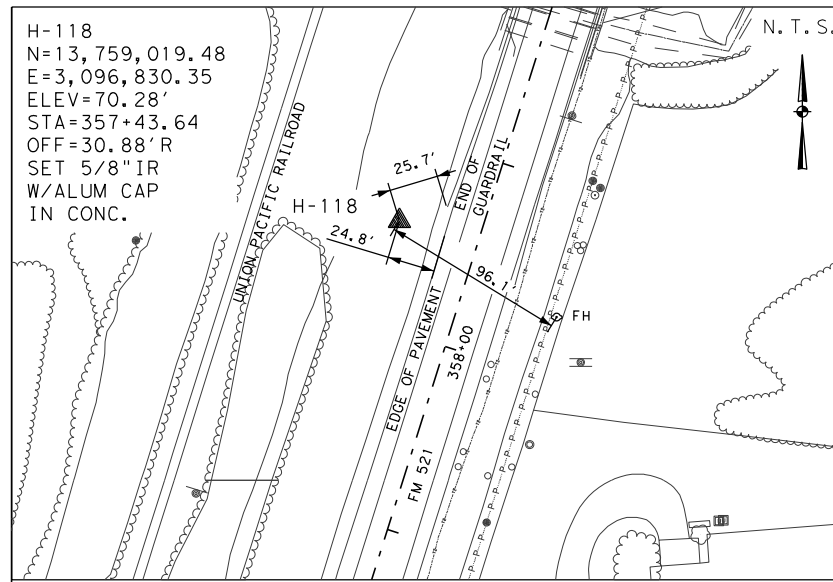
Survey Date: DECEMBER 2015



FM 521
 HORIZONTAL AND VERTICAL
 CONTROL SHEET

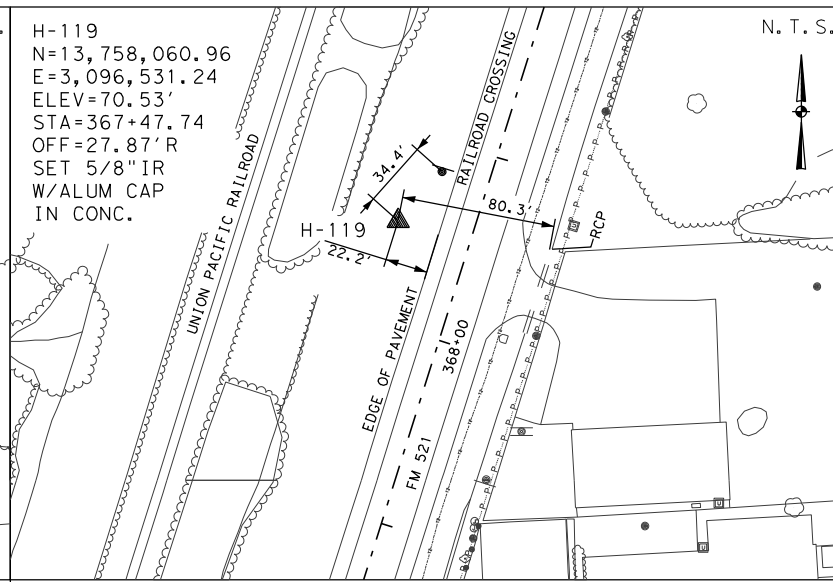
FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		29	
FED. RD. DIV. NO.	STATE	DISTRICT	COUNTY
6	TEXAS	HOUSTON	FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB HIGHWAY
12	0111	03	066 FM 521

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



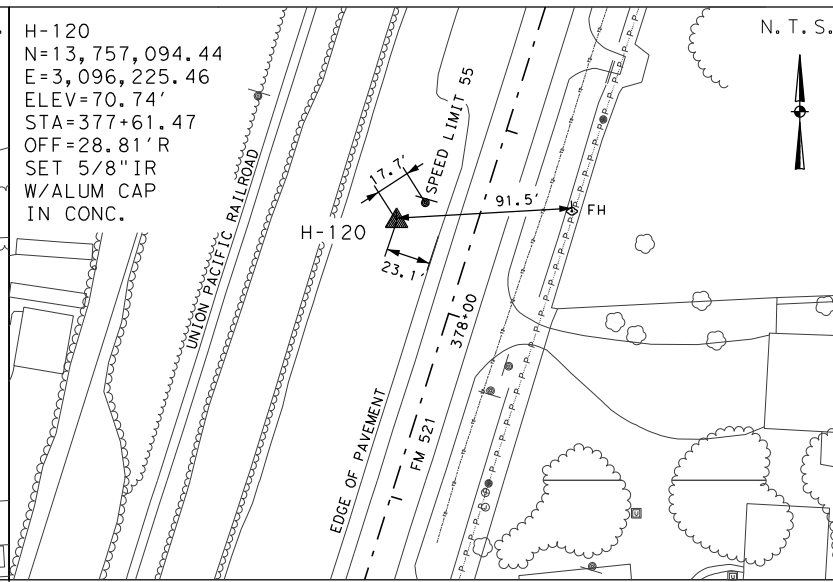
H-118
 N=13,759,019.48
 E=3,096,830.35
 ELEV=70.28'
 STA=357+43.64
 OFF=30.88'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

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.



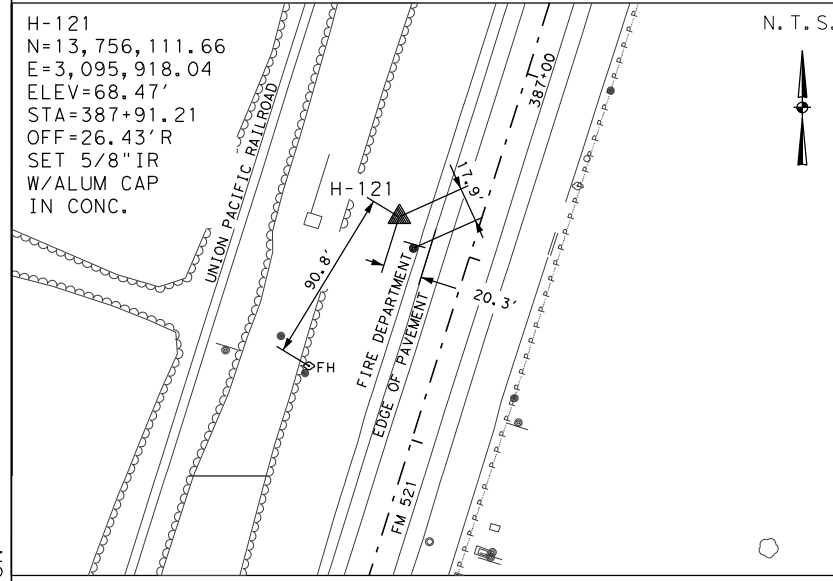
H-120
 N=13,757,094.44
 E=3,096,225.46
 ELEV=70.74'
 STA=377+61.47
 OFF=28.81'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

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.

NOTES:

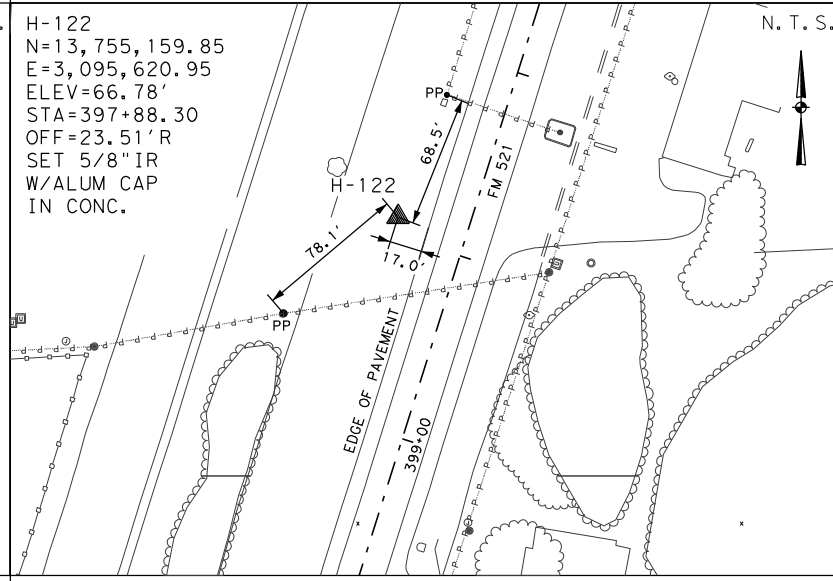
1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
3. COORDINATES AND DISTANCES 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 RTM 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.



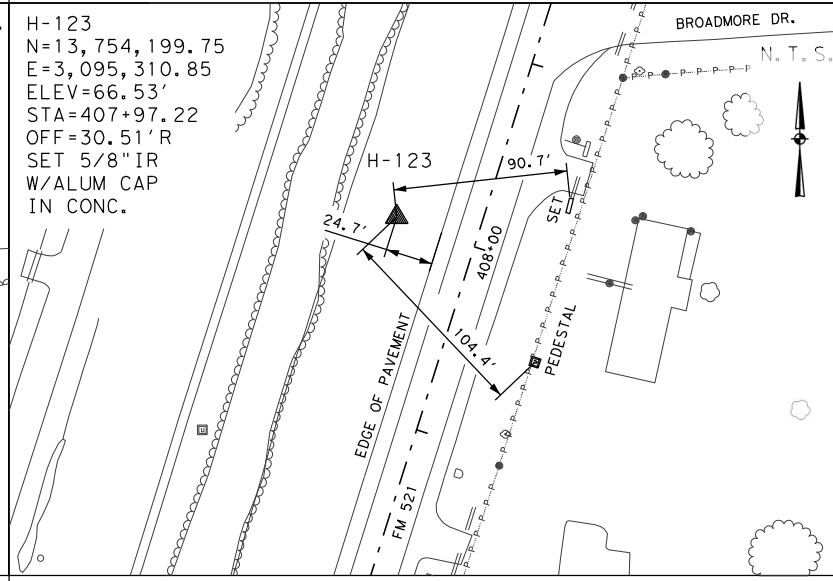
H-121
 N=13,756,111.66
 E=3,095,918.04
 ELEV=68.47'
 STA=387+91.21
 OFF=26.43'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

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.

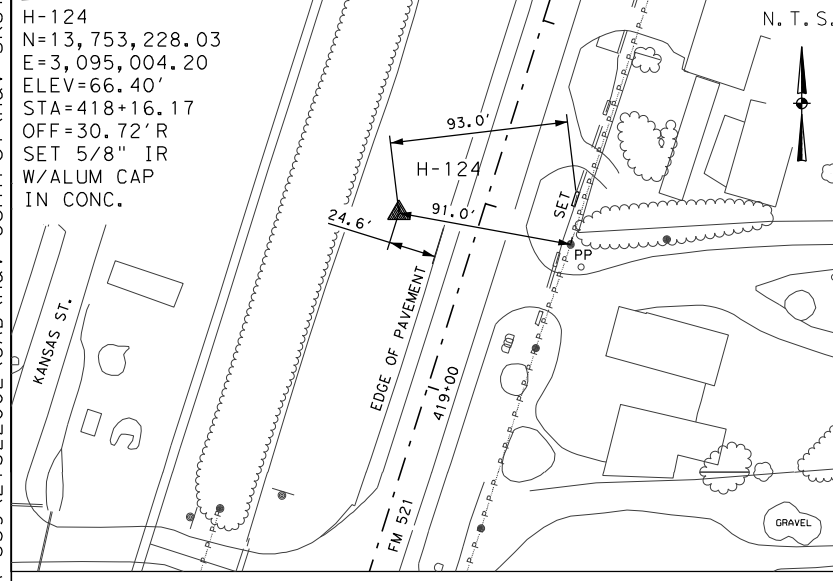
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.05 MILE SOUTH OF THE CENTERLINE OF PECAN STREET AND 0.17 MILE NORTH OF THE CENTERLINE OF BROADMORE DRIVE.



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.

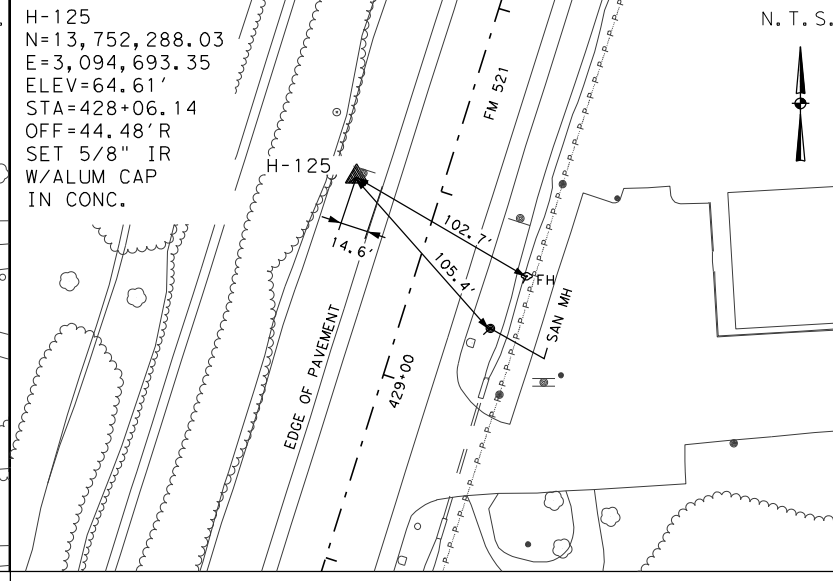
STATION IS LOCATED NEAR THE WEST R.O.W. LINE OF FM 521, LYING APPROXIMATELY 0.03 MILE SOUTH OF THE CENTERLINE OF BROADMORE DRIVE AND 0.19 MILE SOUTH OF CONTROL POINT NO.122.

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



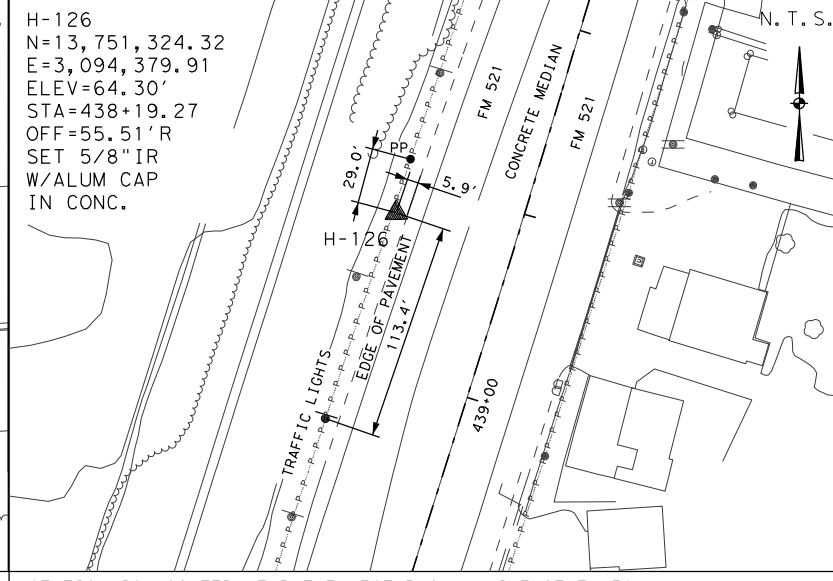
H-124
 N=13,753,228.03
 E=3,095,004.20
 ELEV=66.40'
 STA=418+16.17
 OFF=30.72'R
 SET 5/8" IR
 W/ALUM CAP
 IN CONC.

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.

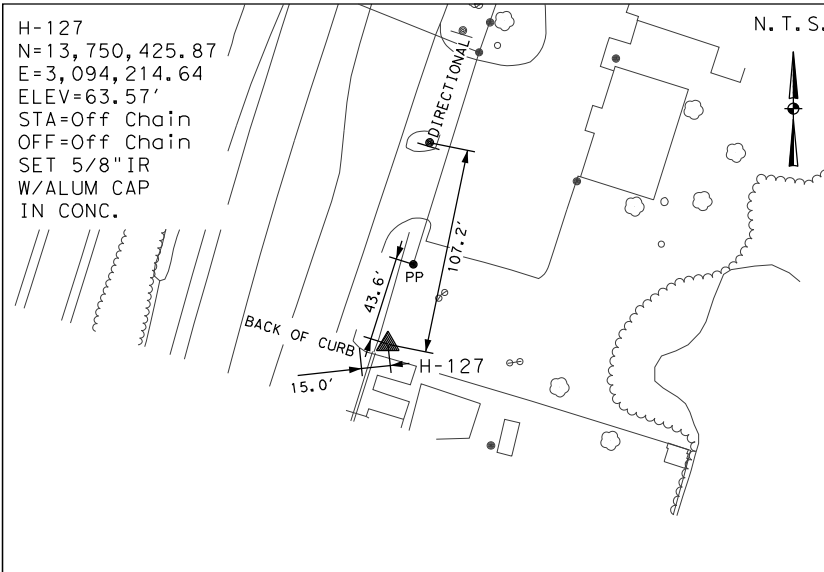
Survey Date: DECEMBER 2015



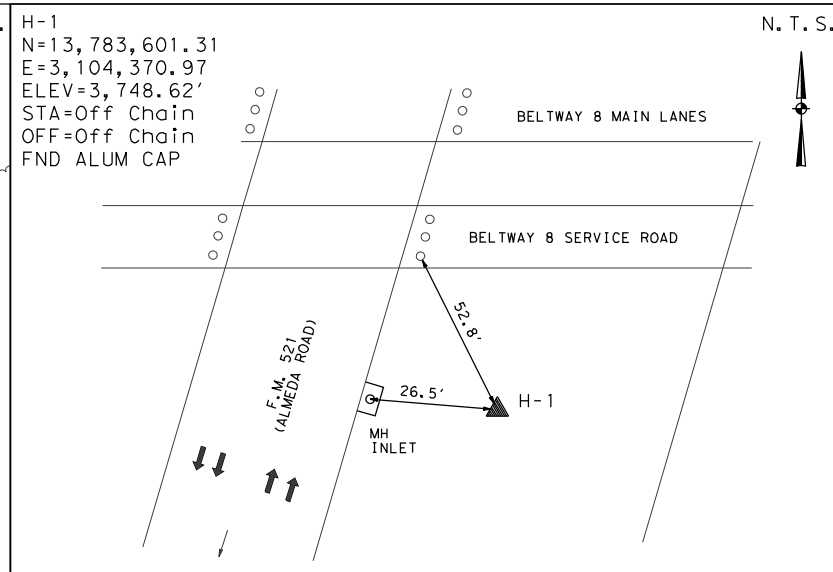
FM 521
 HORIZONTAL AND VERTICAL
 CONTROL SHEET

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
12	0111	03	066
		HIGHWAY	
		FM 521	

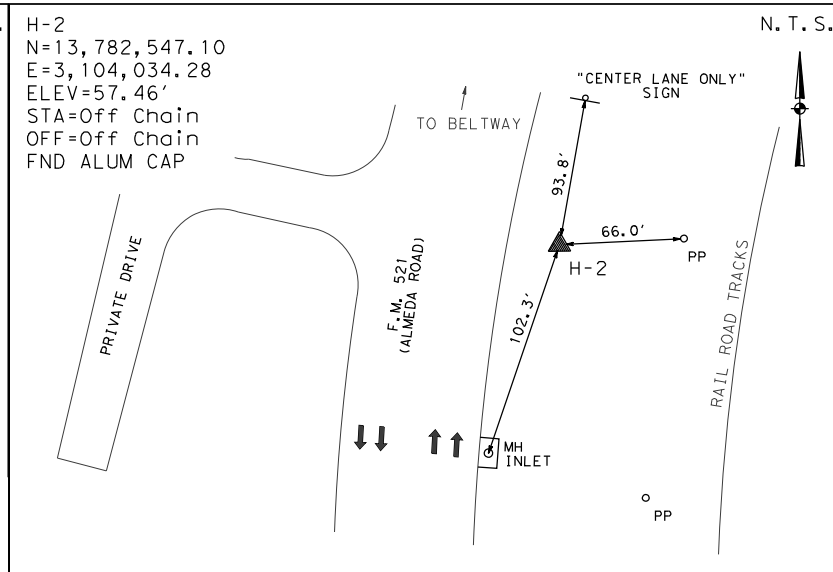
N:\LJA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



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.

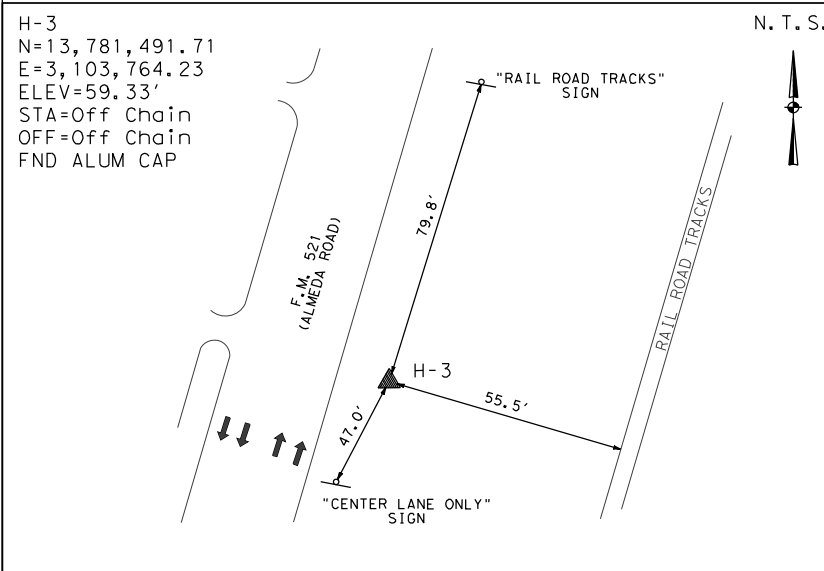


H-1
 N=13,783,601.31
 E=3,104,370.97
 ELEV=3,748.62'
 STA=Off Chain
 OFF=Off Chain
 FND ALUM CAP

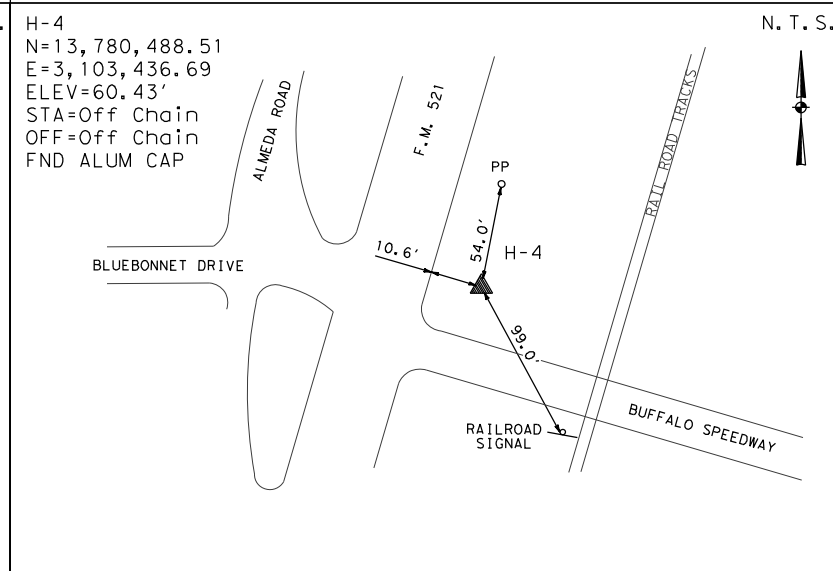


H-2
 N=13,782,547.10
 E=3,104,034.28
 ELEV=57.46'
 STA=Off Chain
 OFF=Off Chain
 FND ALUM CAP

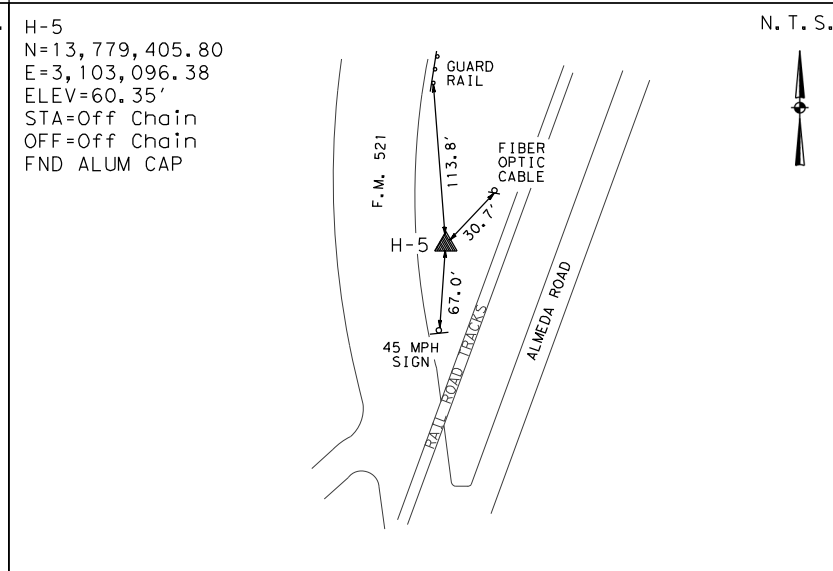
NOTES:
 1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
 2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
 3. COORDINATES 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'.



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



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



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

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

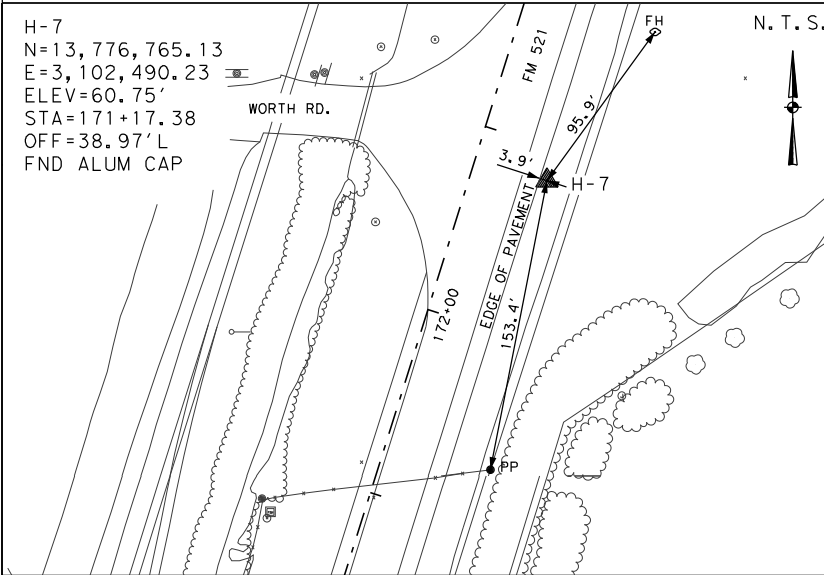
5-19-2017
Jimmy Walton

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

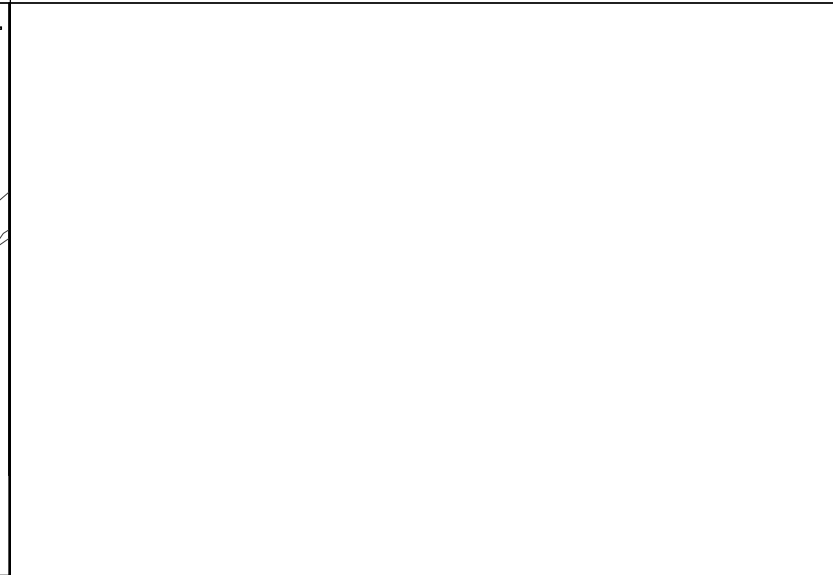
Survey Date: DECEMBER 2015

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

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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

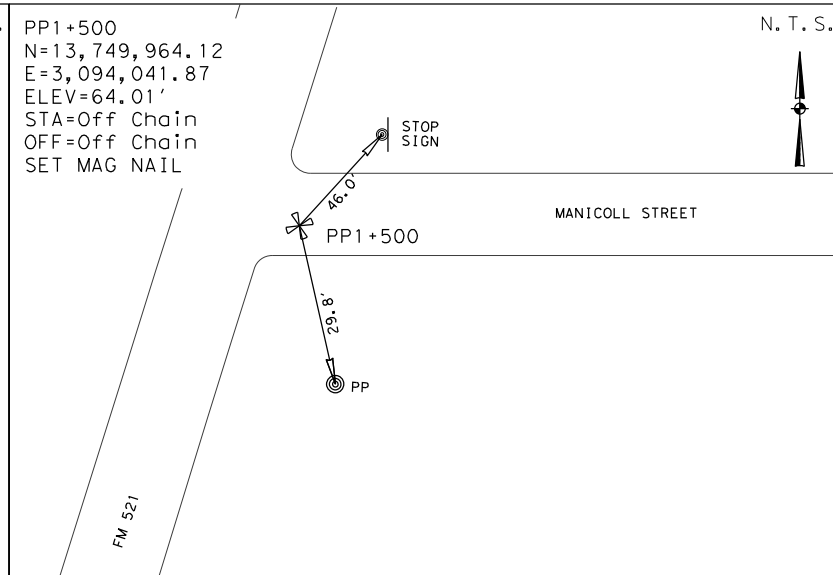
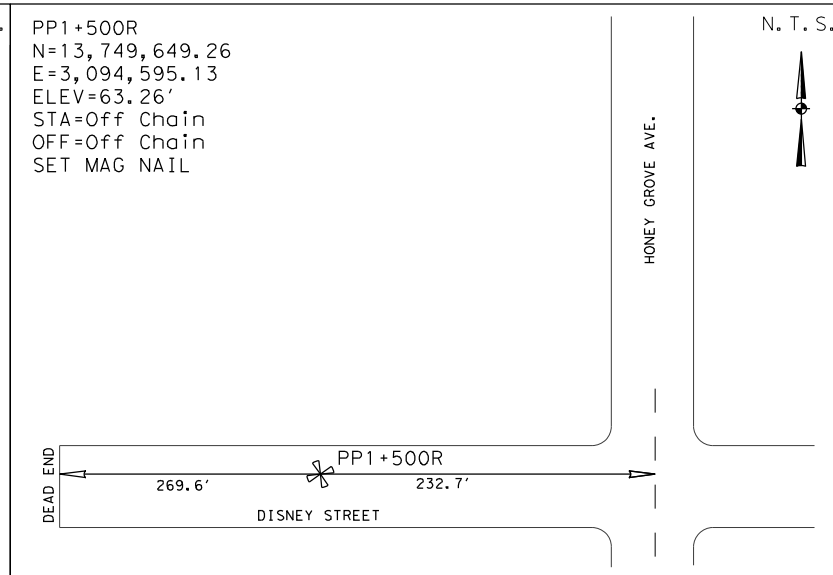
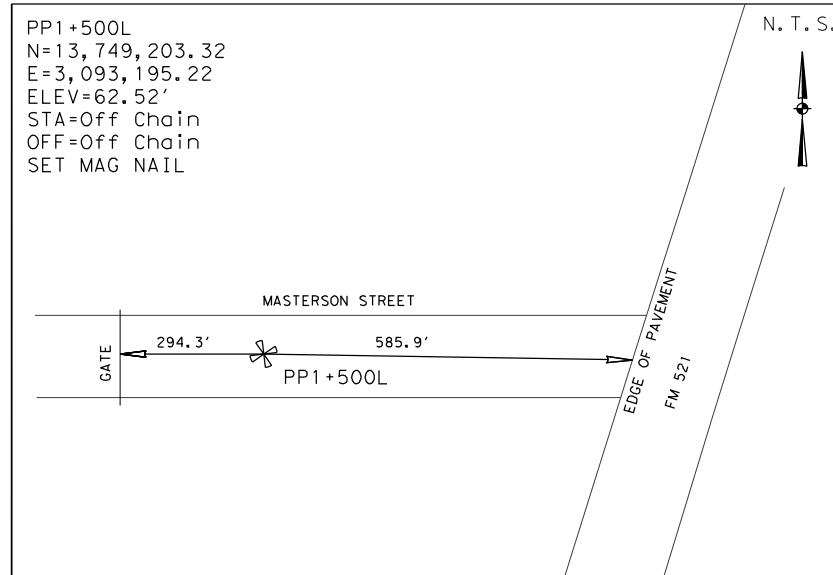


H-1
 N=13,783,601.31
 E=3,104,370.97
 ELEV=3,748.62'
 STA=Off Chain
 OFF=Off Chain
 FND ALUM CAP

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



NOTES:

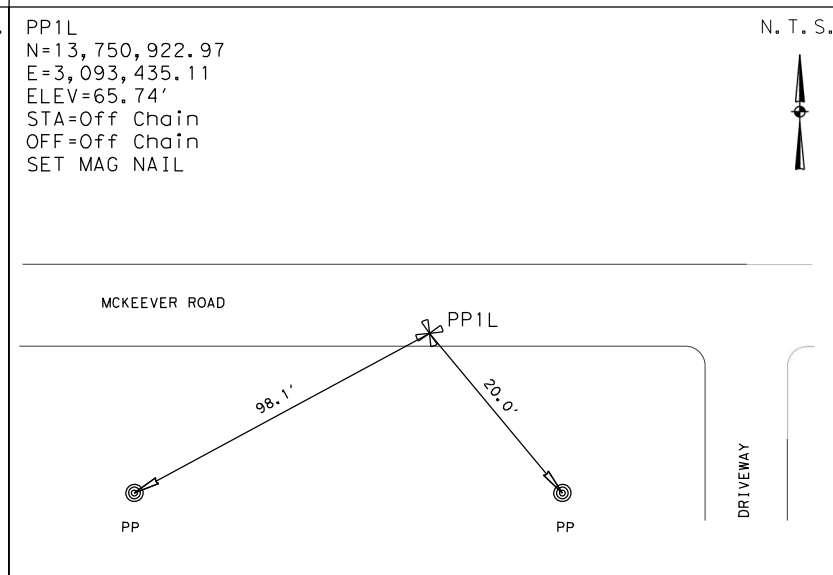
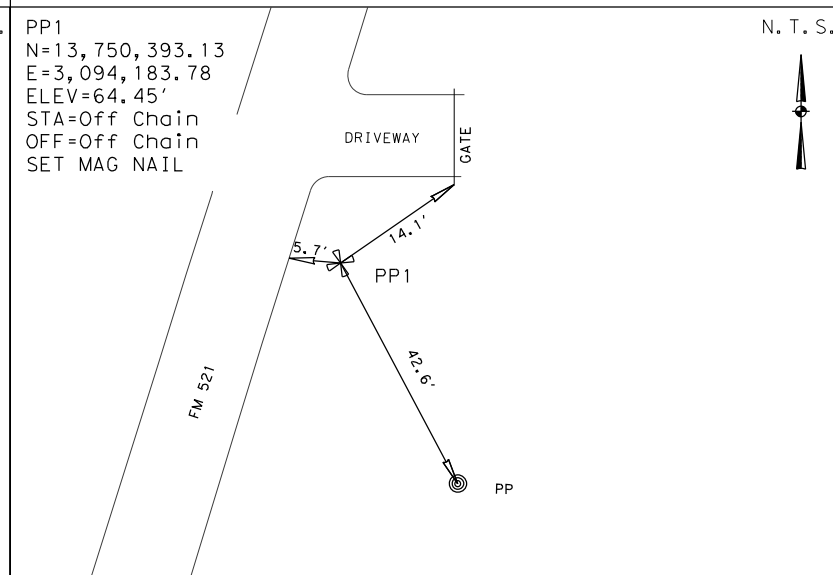
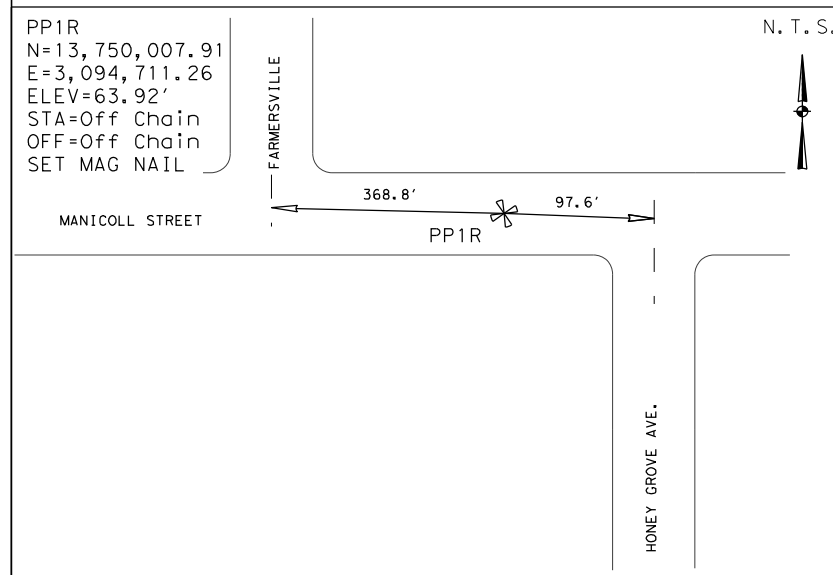
1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
3. COORDINATES AND DISTANCES 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 RTM MEAN OBSERVATIONS, AS OBSERVED IN DECEMBER, 2015. PUBLISHED COORDINATES OF CONTROL POINTS H-1 THROUGH H-5 & H-7 WERE VERIFIED AS ACCEPTABLE.
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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.

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

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

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



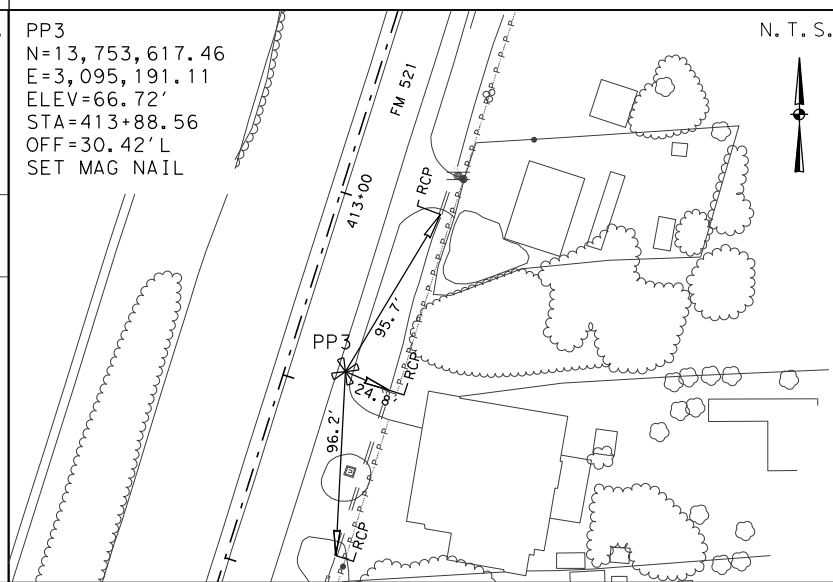
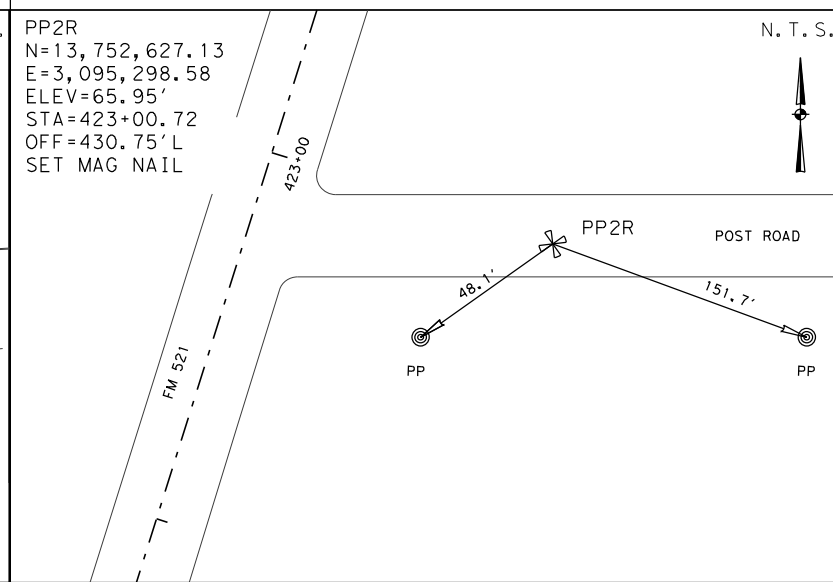
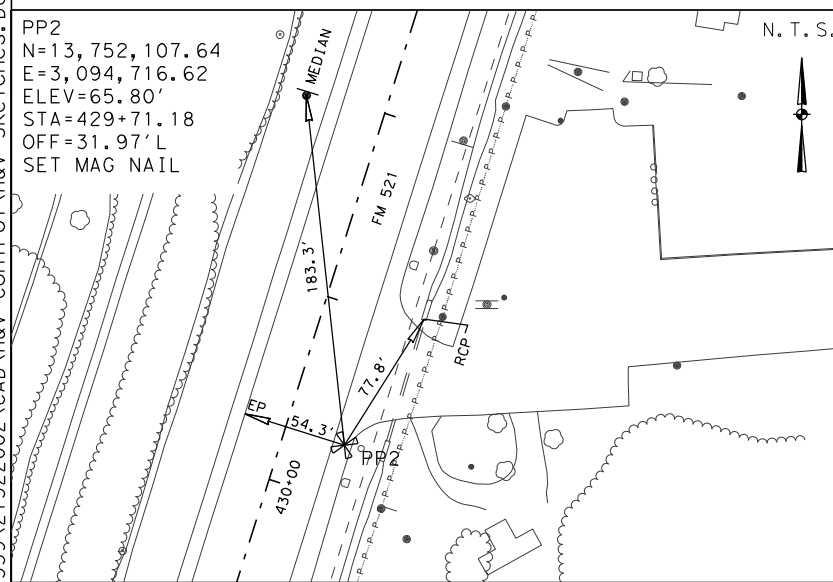
5-19-2017
Jimmy D. Walton

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

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.

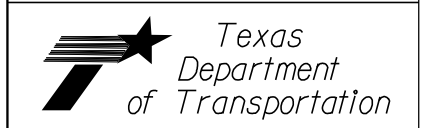
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 454.4 FEET SOUTHWEST OF THE JUNCTION OF FM 521 AND HWY 6.

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.



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



FM 521
HORIZONTAL AND VERTICAL
CONTROL SHEET

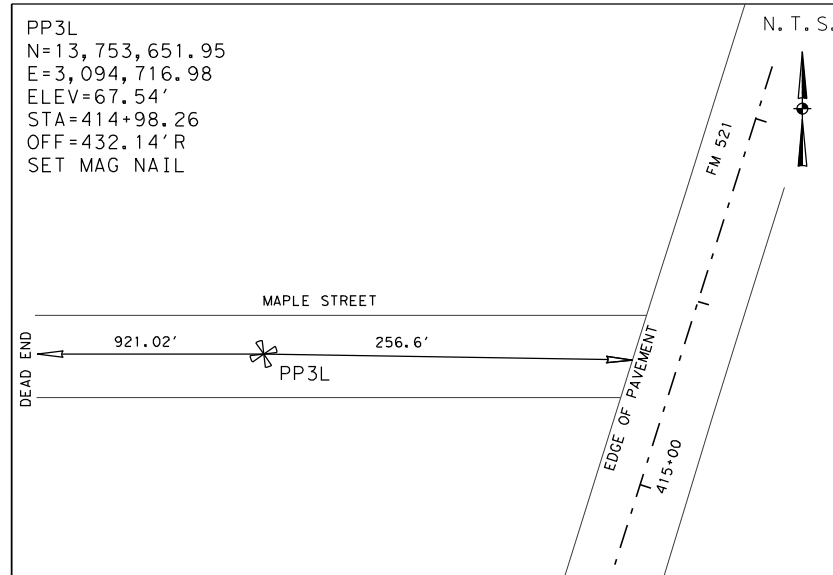
FEDERAL AID PROJECT NO.		SHEET NO.	
SEE COVER SHEET		32	
FED. RD. DIV. NO.	STATE	DISTRICT	COUNTY
6	TEXAS	HOUSTON	FORT BEND
STATE DIST. NO.	CONTROL	SECTION	JOB
12	0111	03	066
		HIGHWAY	FM 521

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.

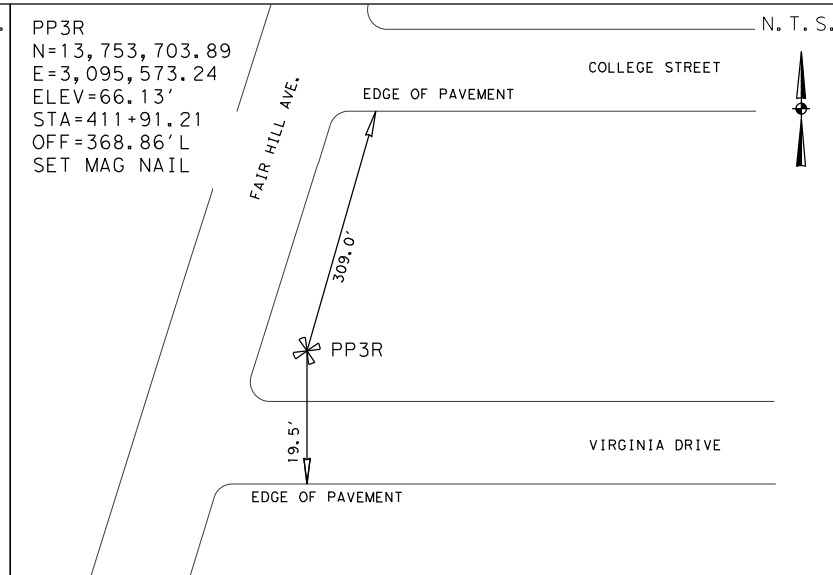
STATION IS LOCATED IN THE CENTER OF POST ROAD AND LYING 457.4 FEET EAST OF THE JUNCTION OF FM 521/POST ROAD.

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.

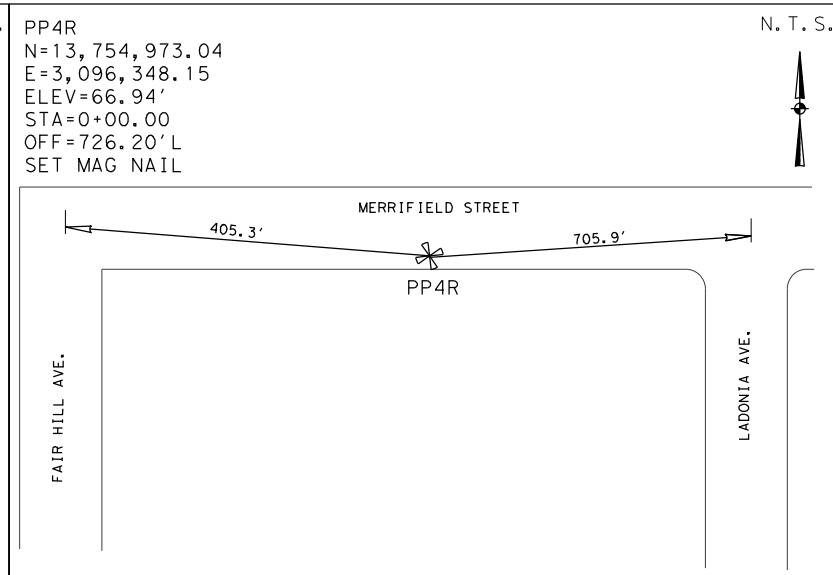
N:\JA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



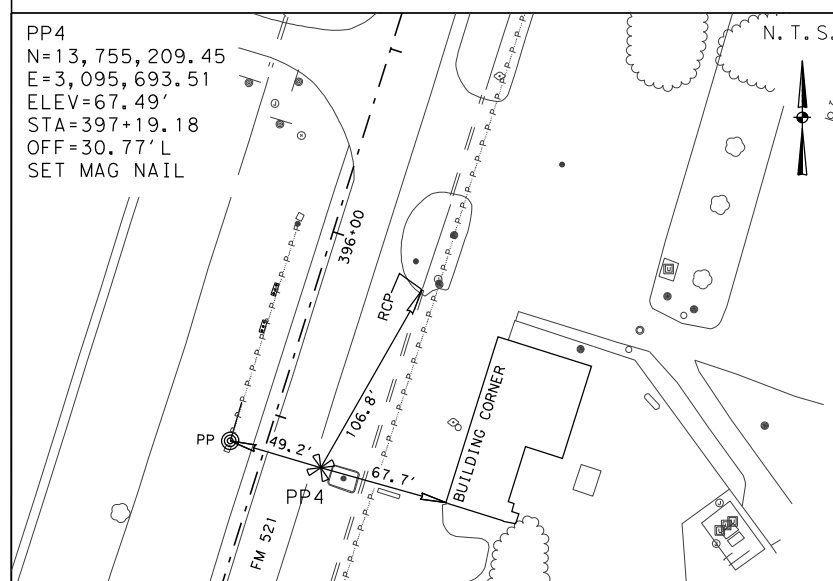
STATION IS LOCATED IN THE CENTER OF MAPLE STREET AND LYING 256.6 FEET WEST OF THE JUNCTION OF FM 521/MAPLE STREET.



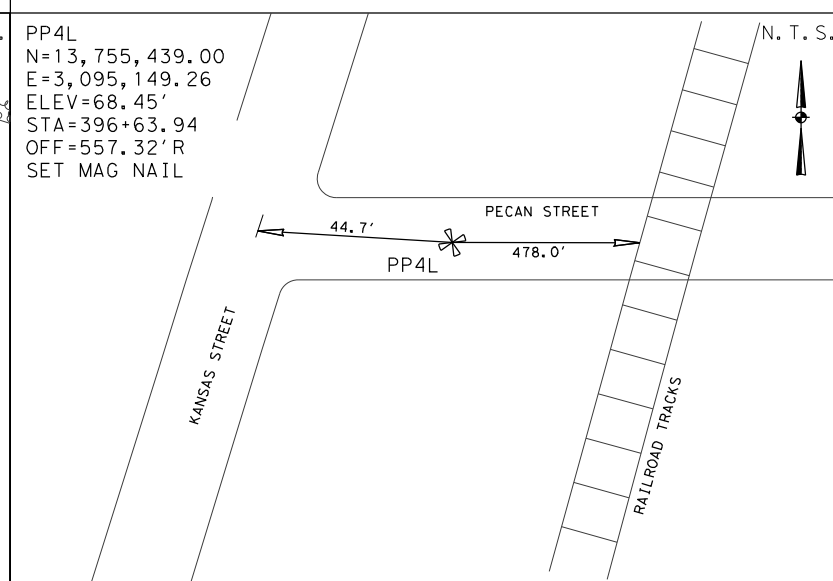
STATION IS LOCATED AT THE INTERSECTION OF FAIR HILL AVENUE AND VIRGINIA DRIVE AND LYING 0.29 MILES WEST OF THE CENTERLINE OF VIRGINIA DRIVE AND LADONIA AVENUE.



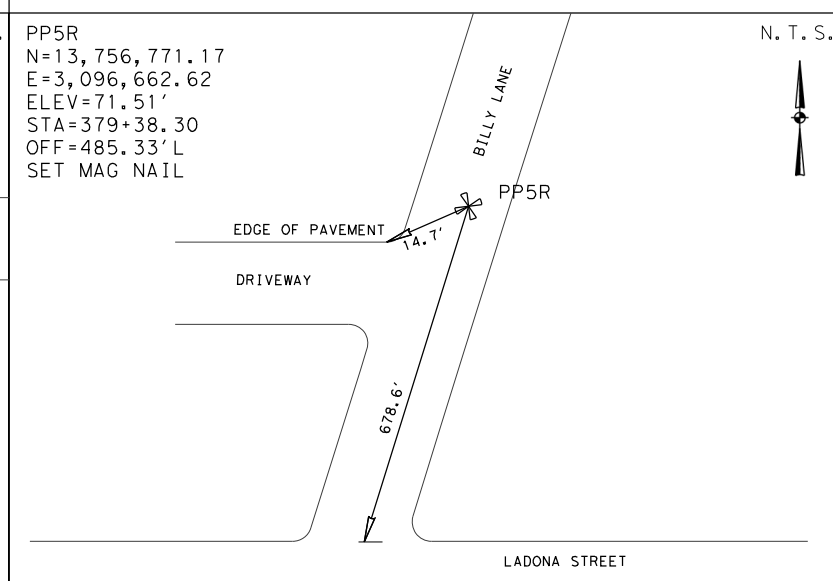
STATION IS LOCATED IN THE CENTER OF MERRIFIELD STREET AND LYING 705.9 FEET WEST OF THE JUNCTION OF MERRIFIELD STREET /LADONIA AVENUE.



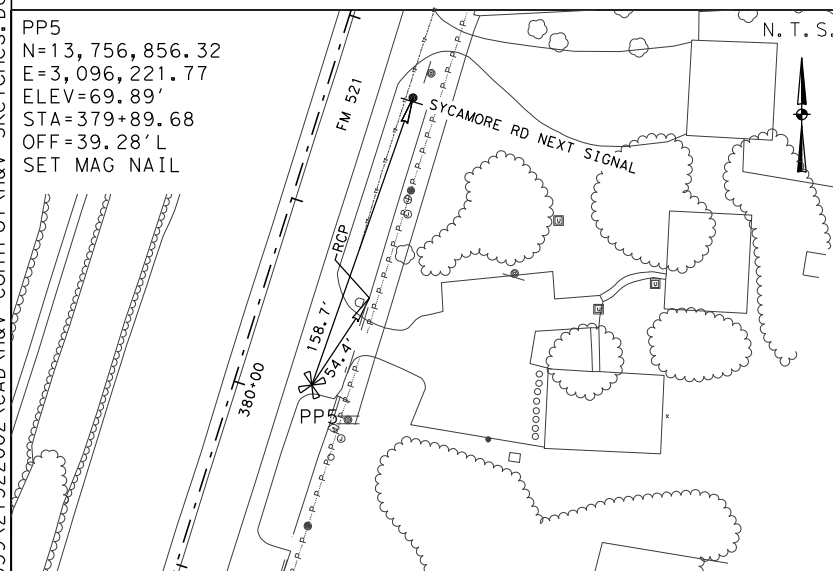
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 0.87 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.



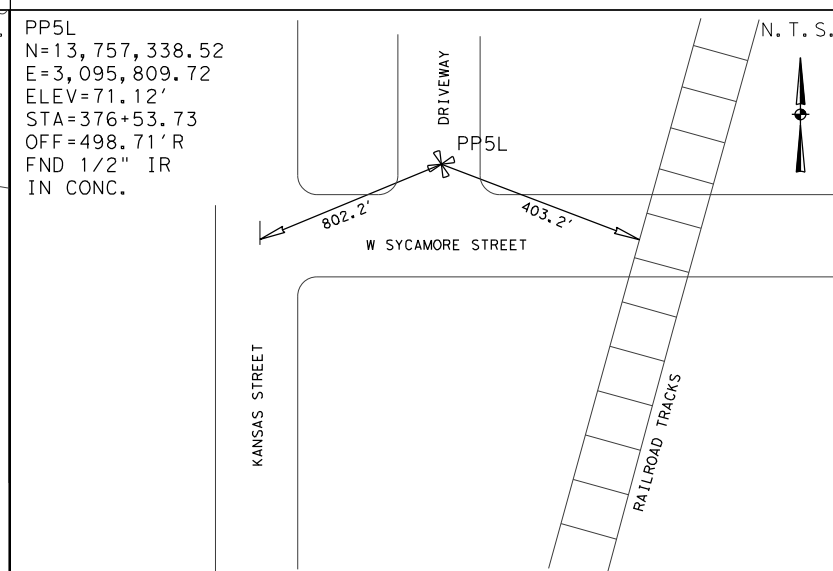
STATION IS LOCATED IN THE CENTER OF PECAN STREET AND LYING 613.9 FEET WEST OF THE JUNCTION OF PECAN STREET /FM 521.



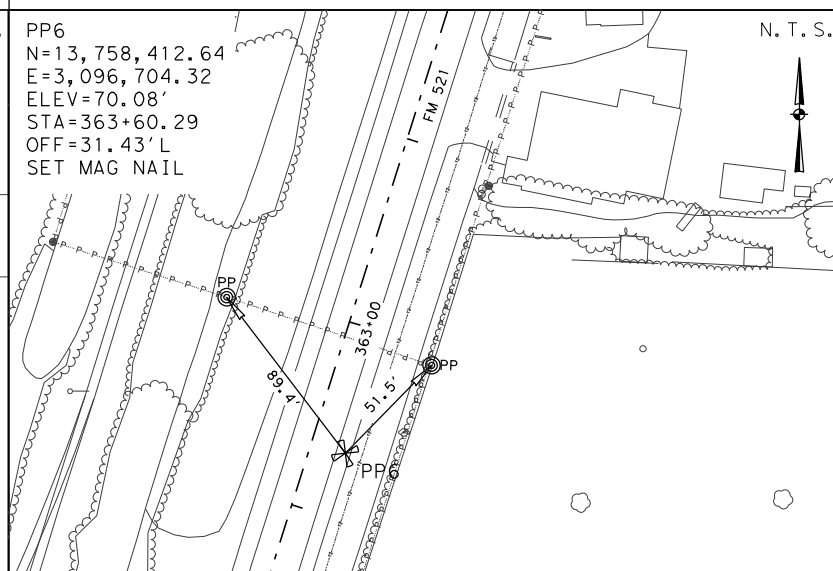
STATION IS LOCATED IN THE CENTER OF BILLY LANE AND LYING 678.6 FEET NORTH OF THE JUNCTION OF BILLY LANE /LADONA STREET.



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.



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.



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.

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

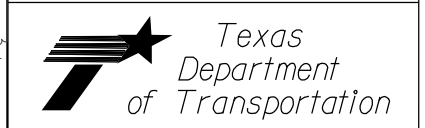


Jimmy D. Walton 5-19-2017

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

Survey Date: DECEMBER 2015

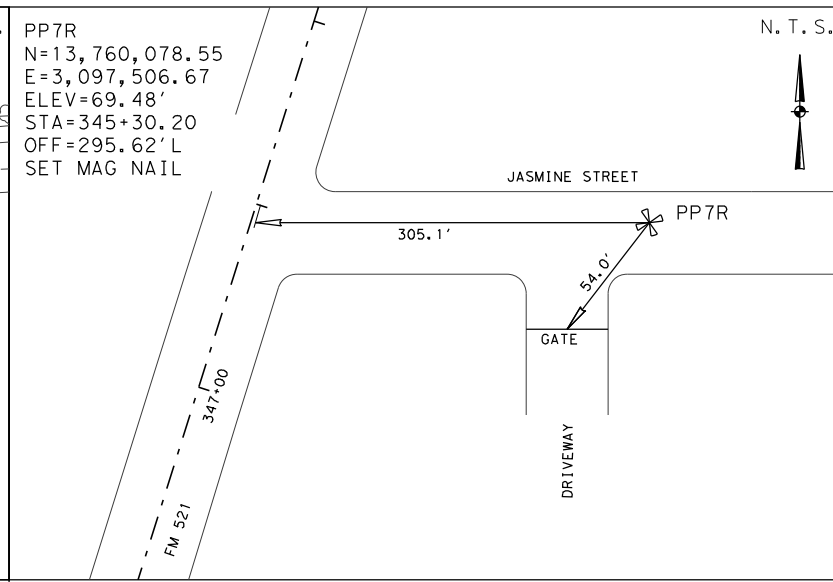
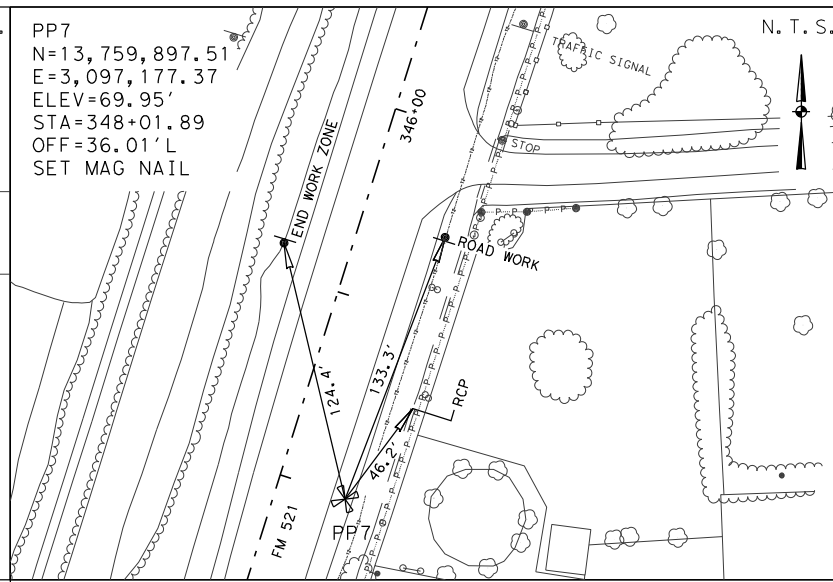
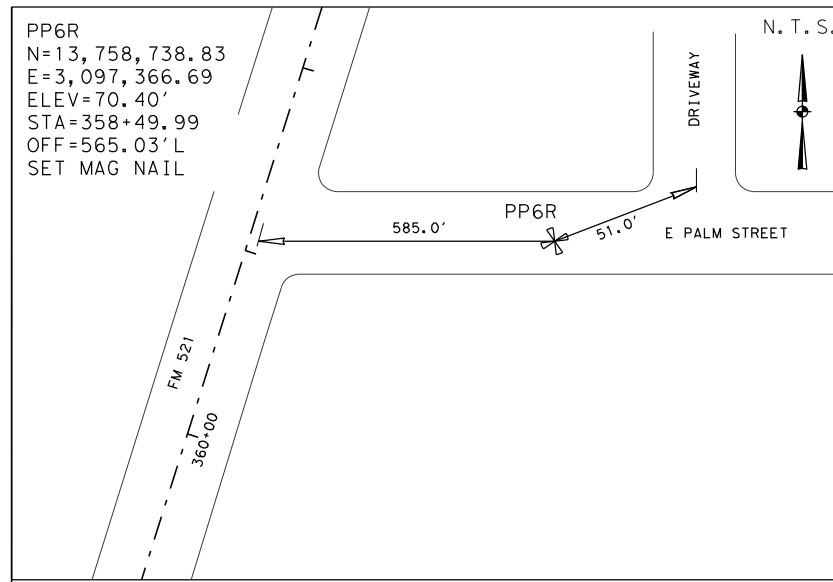
RODS
Surveying, Inc.
6810 LEE ROAD
SPRING, TEXAS 77379
TEL (281) 257-4020
FAX (281) 257-4021
TSPLS FIRM REGISTRATION No. 10030700



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
12	0111	03	066
			FM 521

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



NOTES:

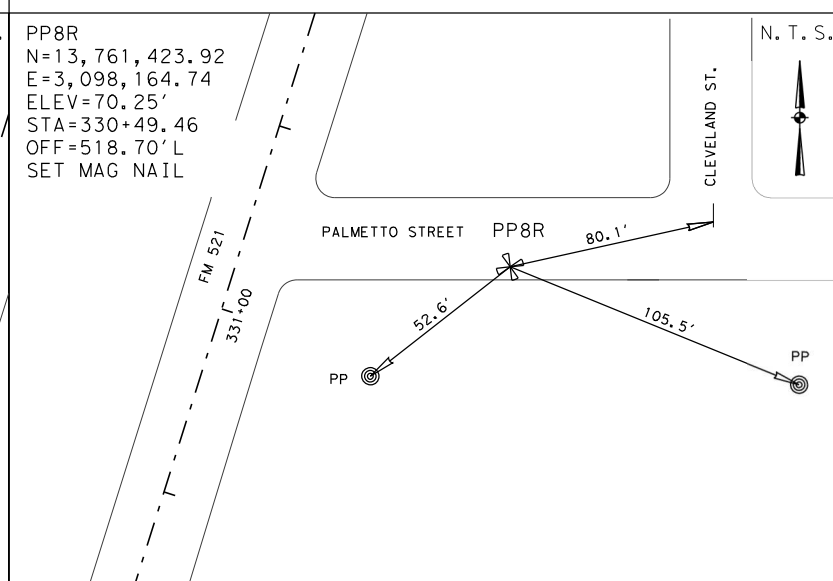
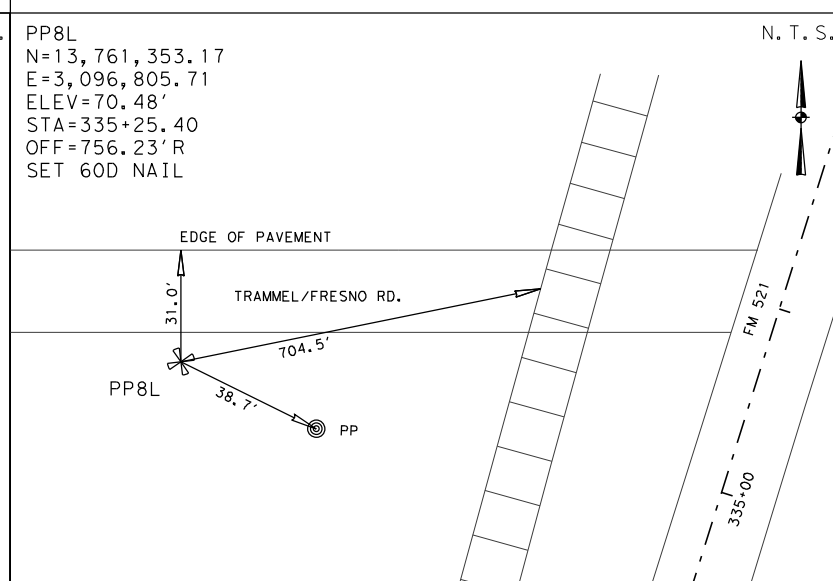
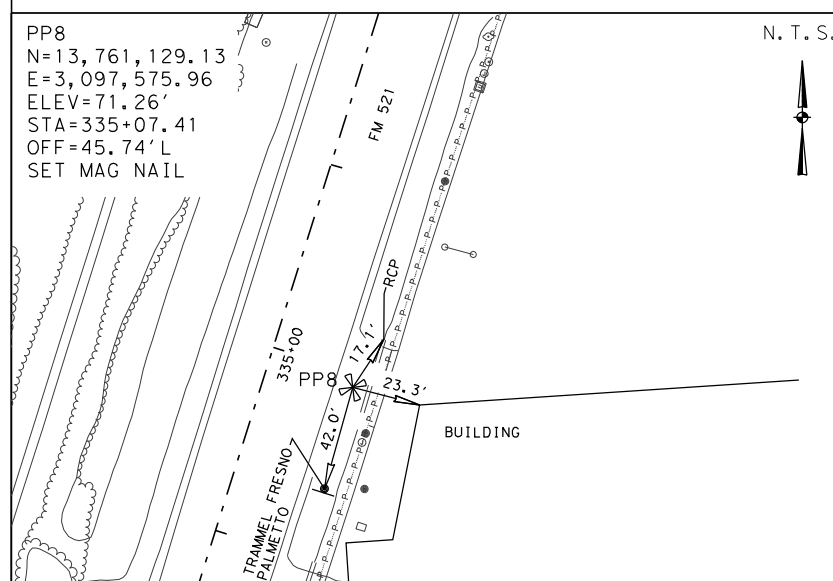
1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP)
3. COORDINATES AND DISTANCES 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 RTM 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'.

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.

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.

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

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

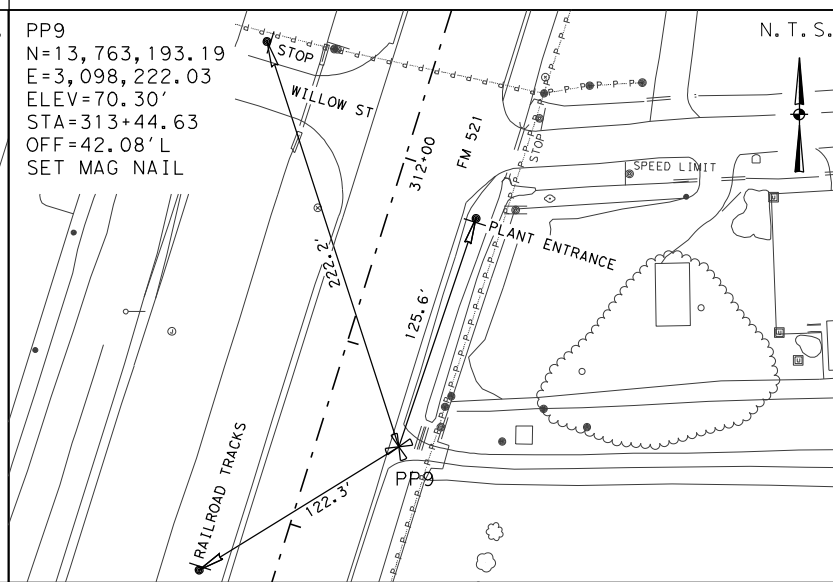
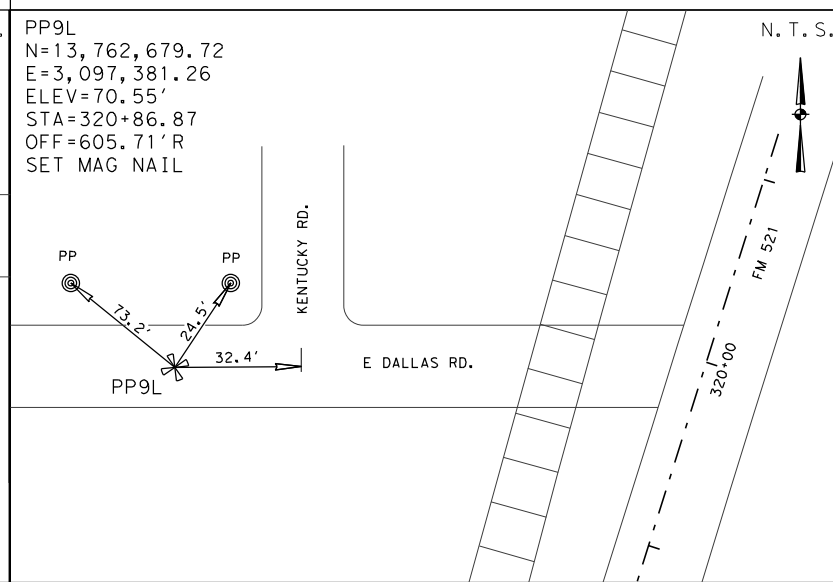
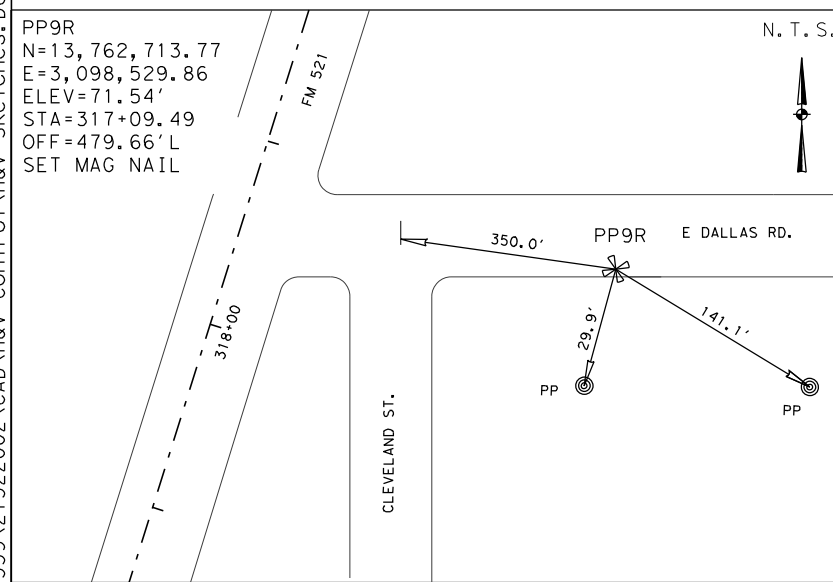


THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E

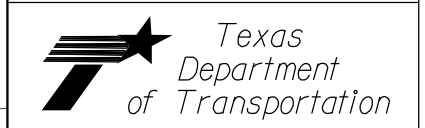
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.05 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.

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.

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



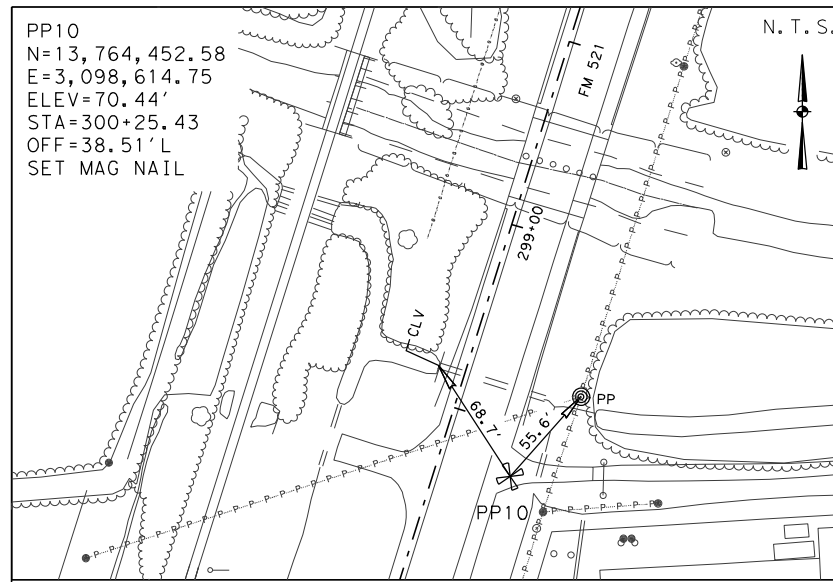
Survey Date: DECEMBER 2015



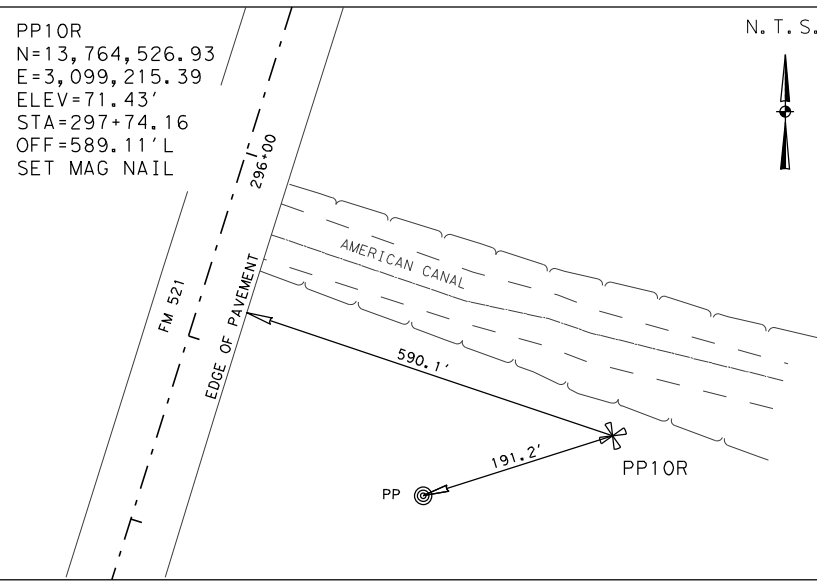
FM 521
HORIZONTAL AND VERTICAL
CONTROL SHEET

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
12	0111	03	066
			FM 521

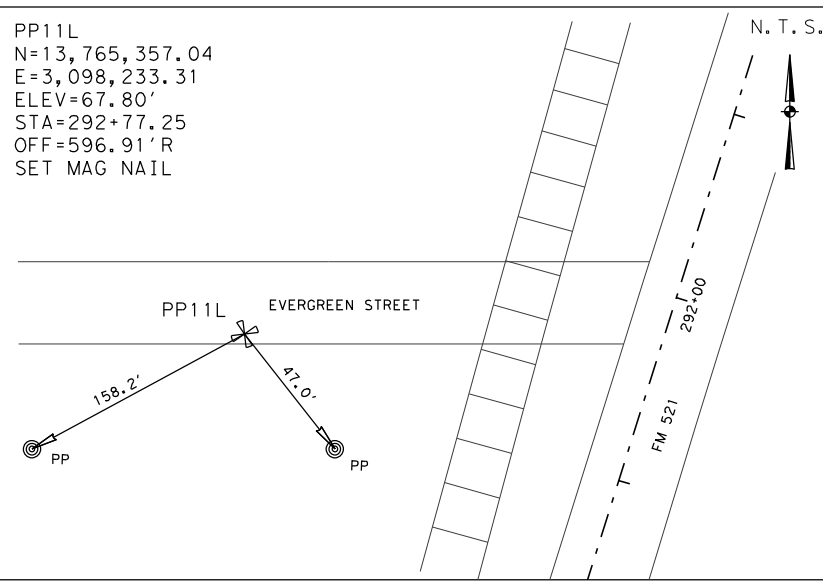
N:\JUA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



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.



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.



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.

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

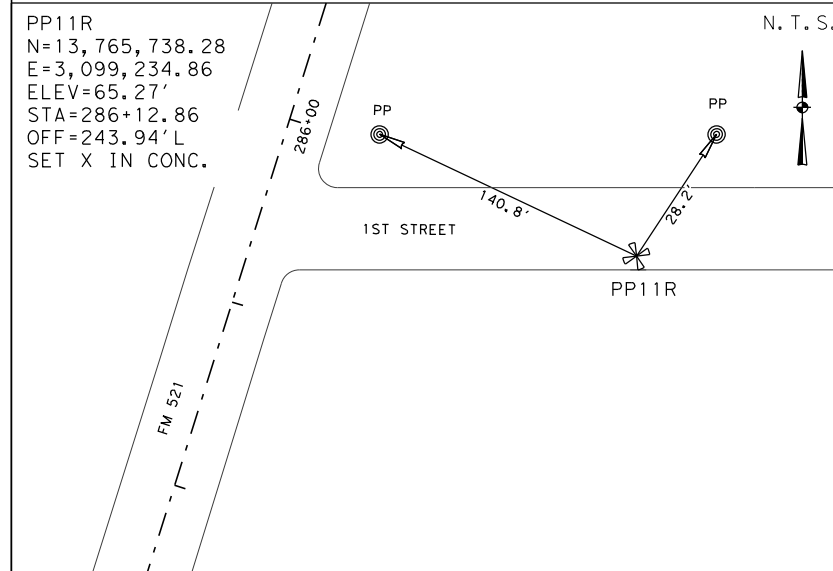
Survey Date: DECEMBER 2015



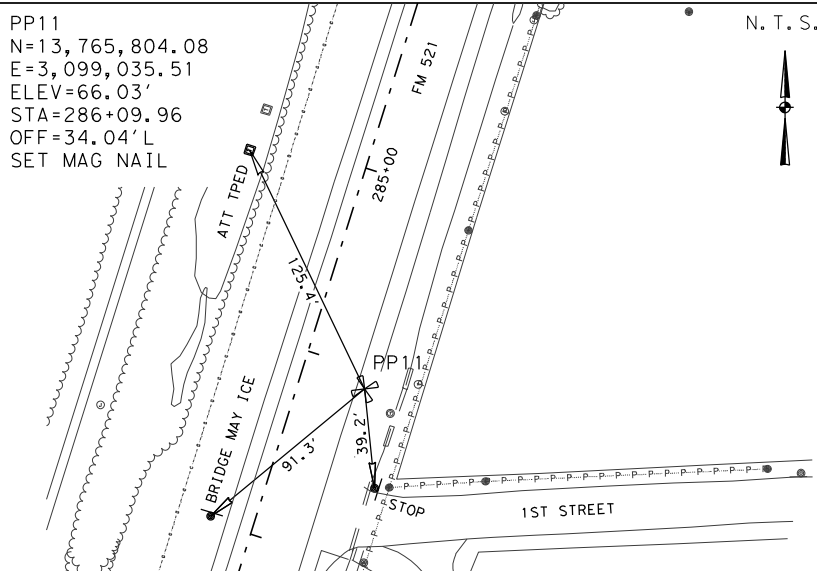
FM 521
HORIZONTAL AND VERTICAL
CONTROL SHEET

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
12	0111	03	066
		066	FM 521

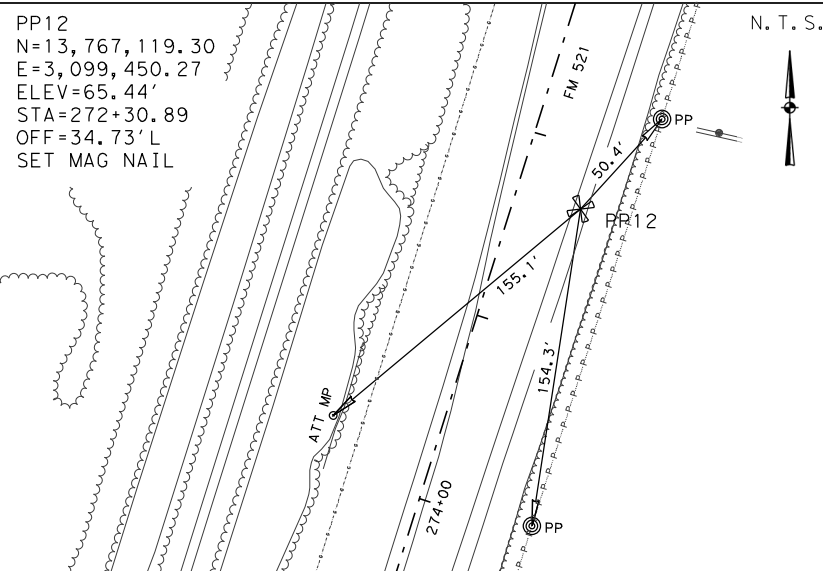
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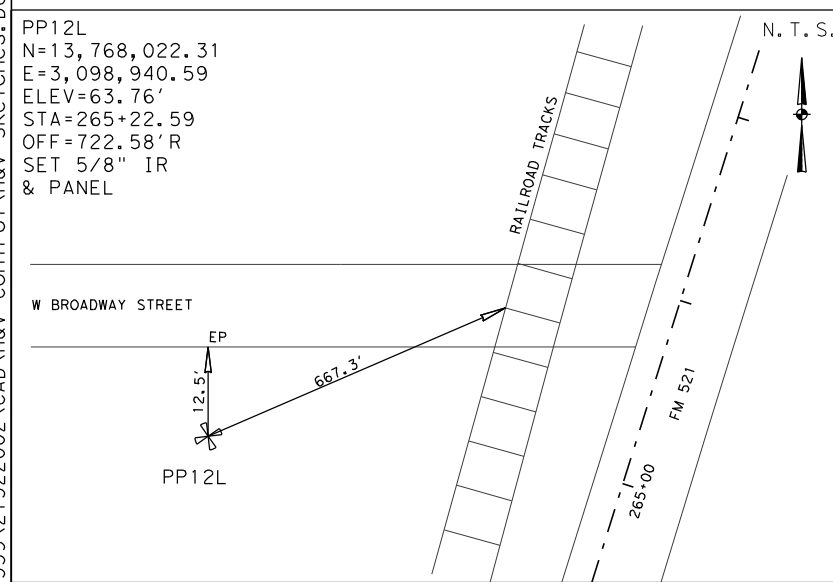
STATION IS LOCATED ON THE SOUTH EDGE OF 1ST STREET AND LYING 248.3 FEET EAST OF THE JUNCTION OF 1ST STREET/FM 521.



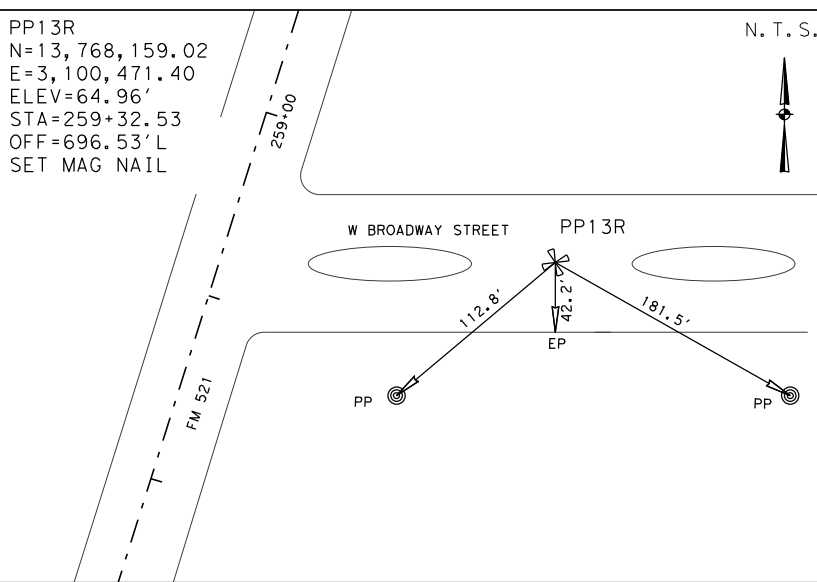
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.97 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.



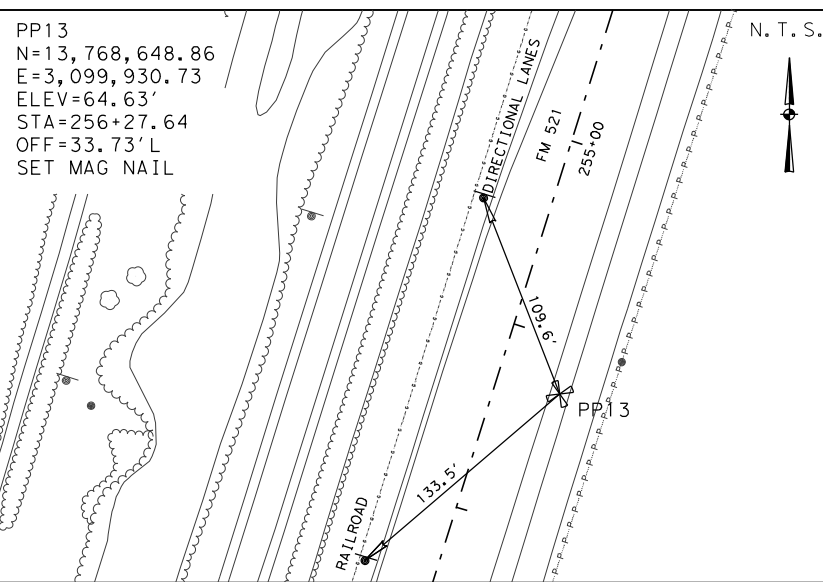
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 3.23 MILES NORTH OF THE JUNCTION OF FM 521 AND HWY 6.



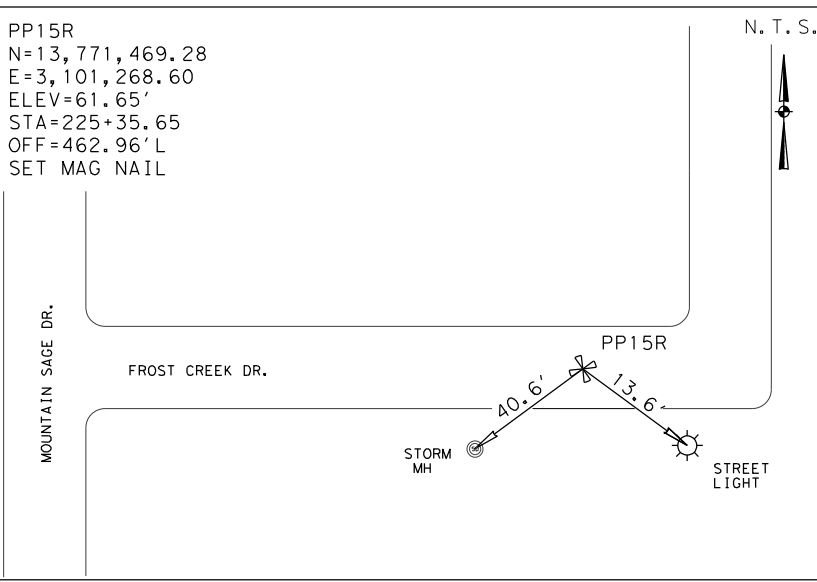
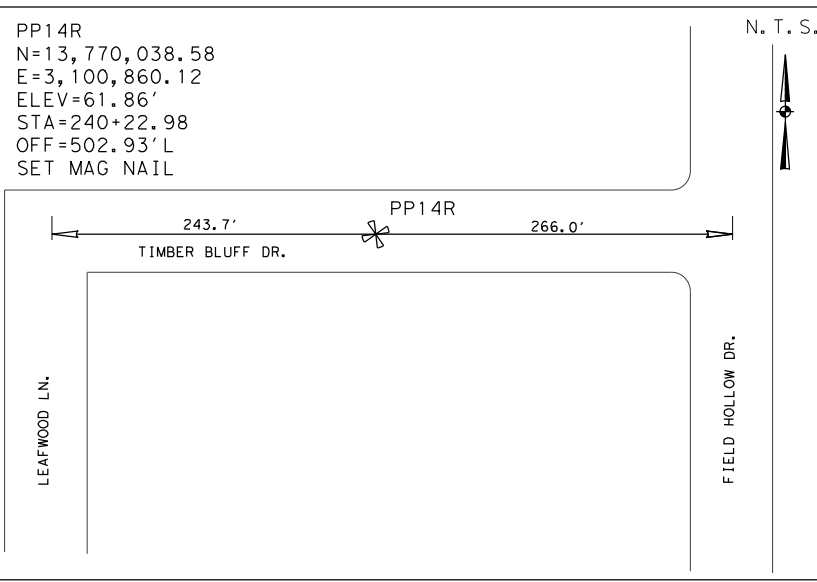
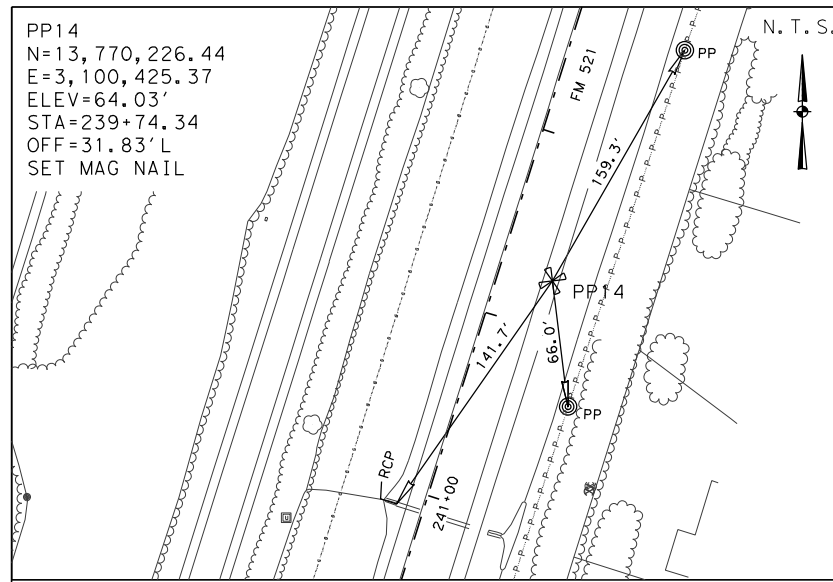
STATION IS LOCATED ON THE SOUTH SIDE OF W BROADWAY STREET AND LYING 790.8 FEET WEST OF THE JUNCTION OF W BROADWAY STREET/FM 521.



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.



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).



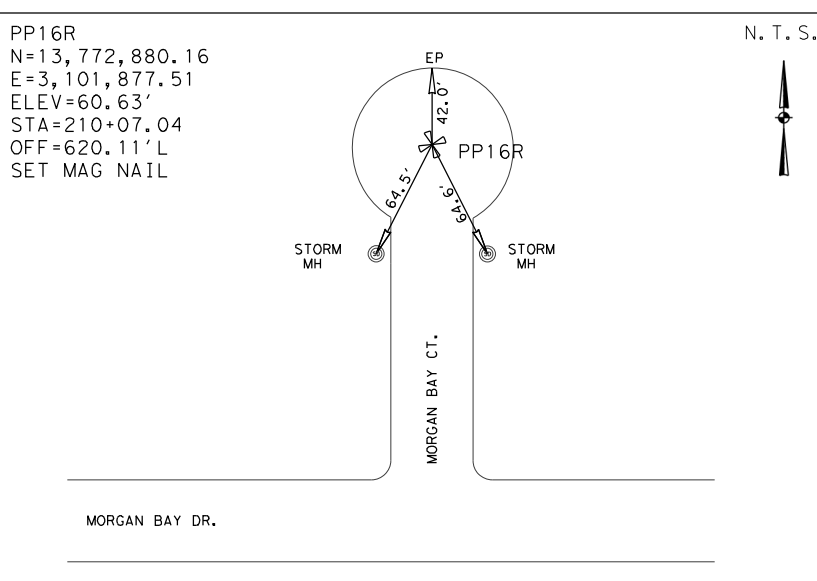
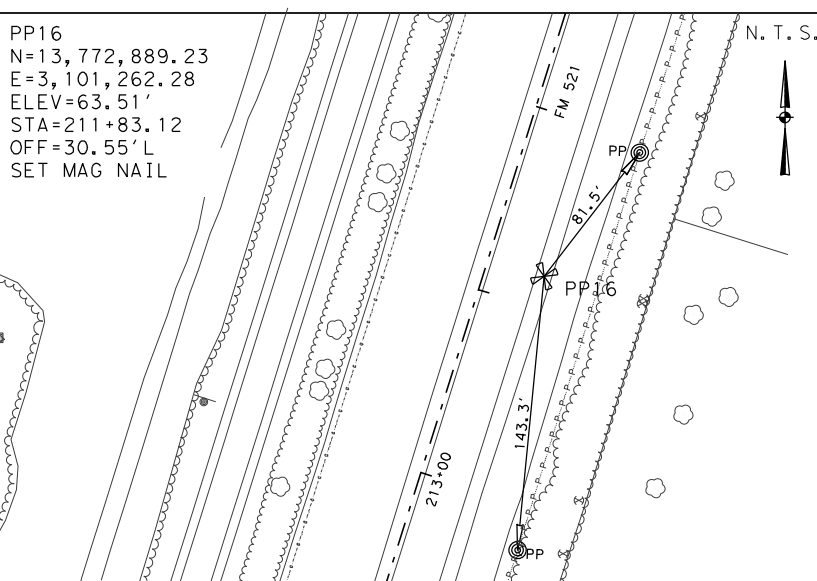
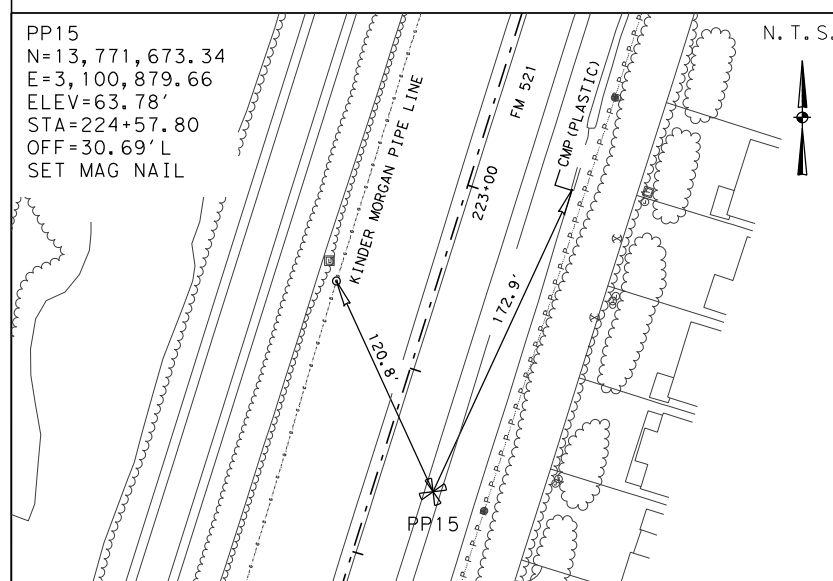
NOTES:
 1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.; EPOCH 2010.00).
 2. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2001 ADJ. TSARP).
 3. COORDINATES 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 RTM 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'.

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).

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.

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.

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



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

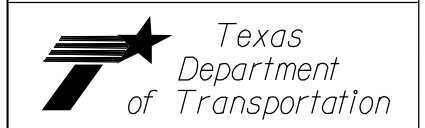
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 2.39 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

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).

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.

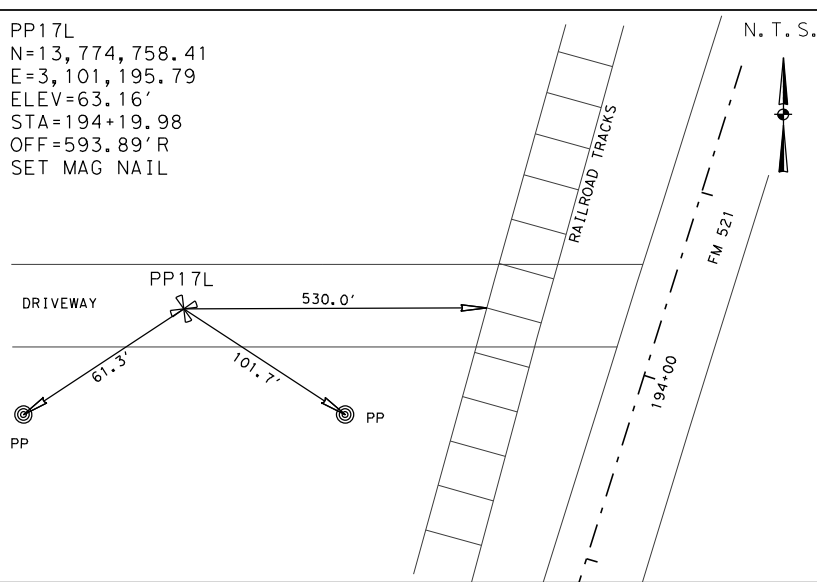
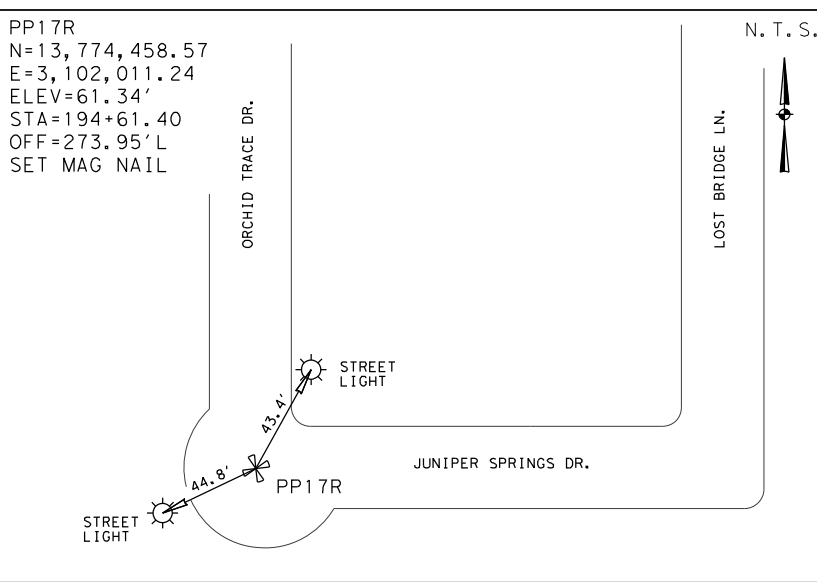
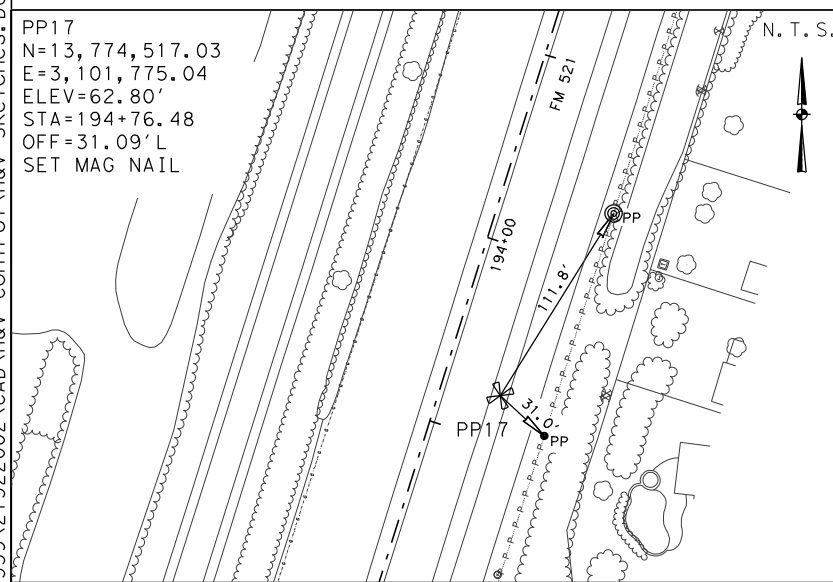
Survey Date: DECEMBER 2015

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



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
12	0111	03	066
		HIGHWAY	FM 521

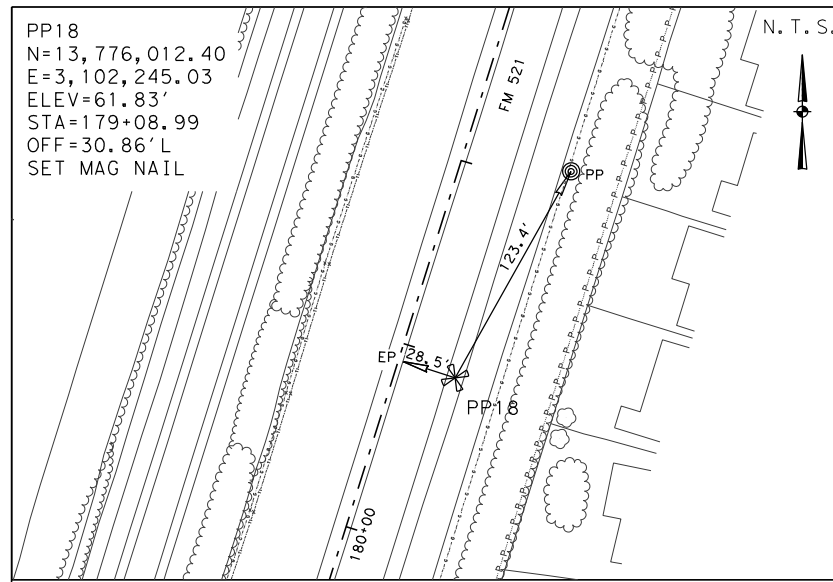


STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.83 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).

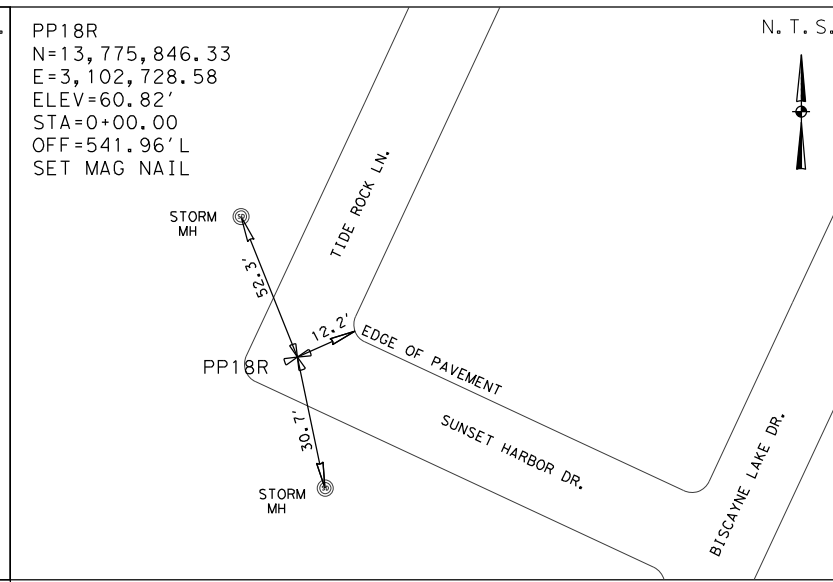
STATION IS LOCATED AT THE INTERSECTION OF JUNIPER SPRINGS DRIVE AND ORCHID TRACE DRIVE AND LYING 263.9 FEET WEST OF THE JUNCTION OF JUNIPER SPRINGS DRIVE/LOST BRIDGE LANE.

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).

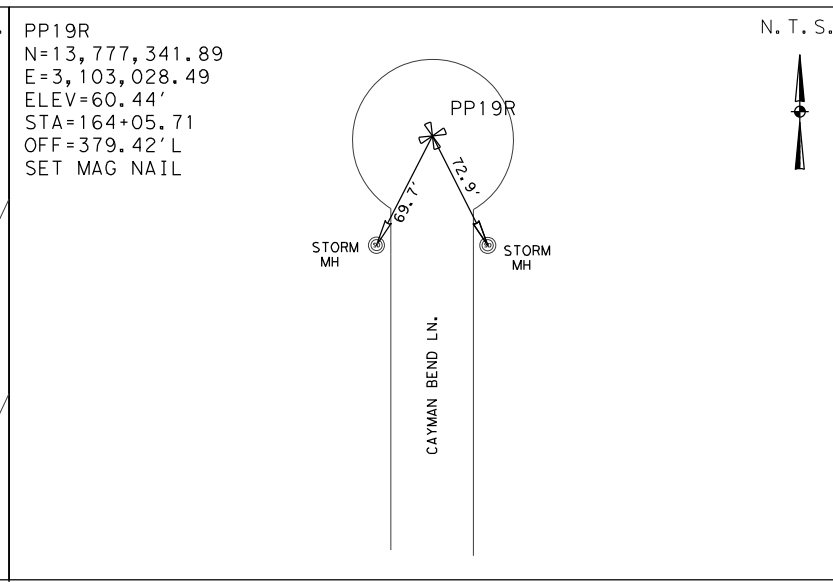
N:\LA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



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).



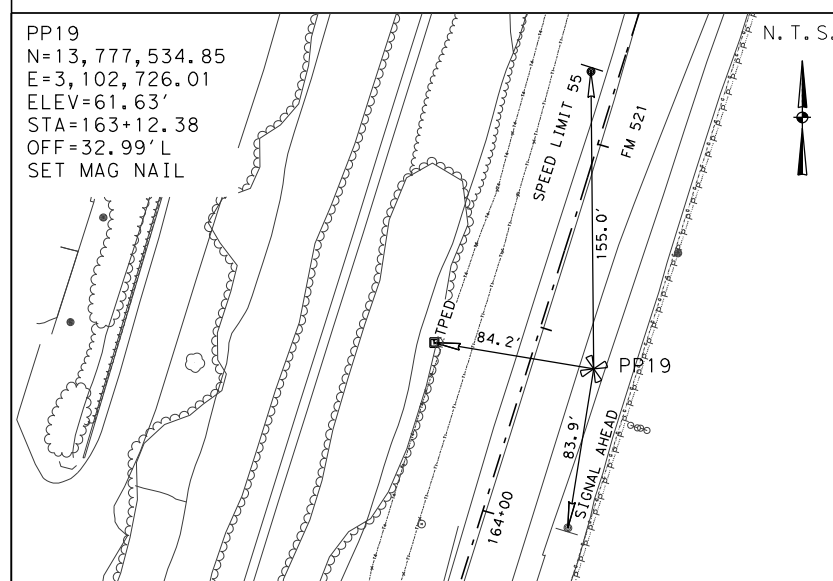
STATION IS LOCATED AT THE INTERSECTION OF SUNSET HARBOR DRIVE AND TIDE ROCK LANE AND LYING 484.3 FEET WEST OF THE JUNCTION OF SUNSET HARBOR DRIVE/BISCAYNE LAKE DRIVE.



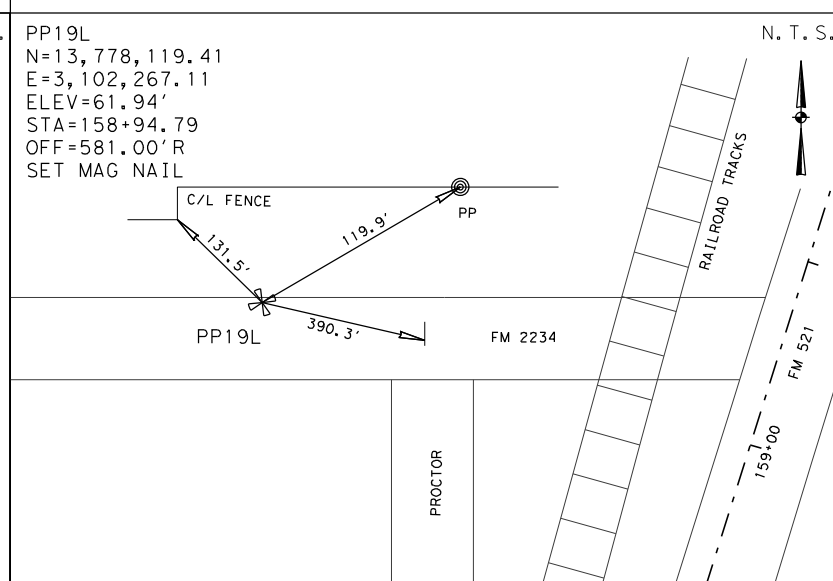
STATION IS LOCATED IN THE CENTER OF CAYMAN BEND LANE CULDESAC AND LYING 544.2 FEET NORTH OF THE JUNCTION OF CAYMAN BEND LANE/SUNSET SPRINGS DRIVE.

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'.

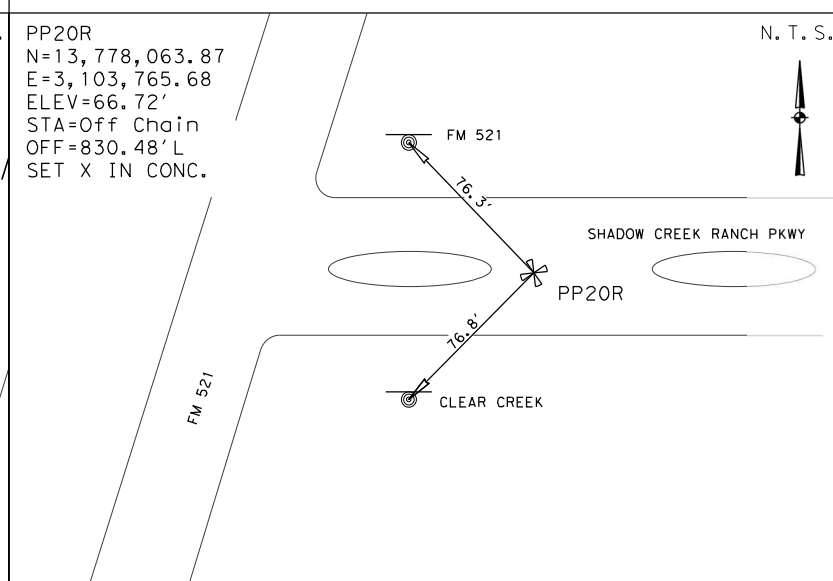
THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND UNDER MY SUPERVISION.



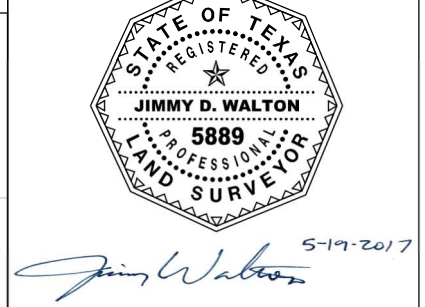
STATION IS LOCATED ON THE EAST SIDE OF FM 521 AND LYING 1.23 MILES SOUTH OF THE JUNCTION OF FM 521 AND SAM HOUSTON PKWY (TOLL ROAD).



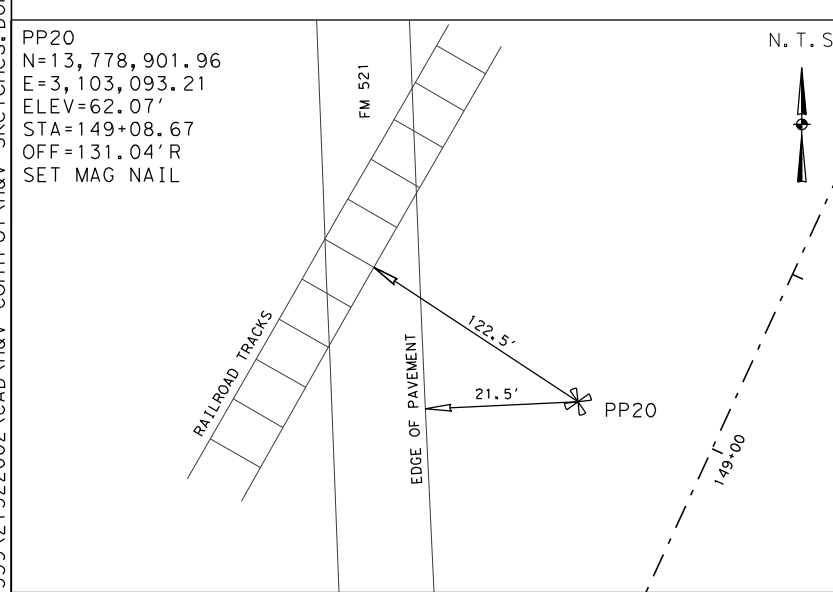
STATION IS LOCATED ON THE NORTH EDGE OF FM 2234 AND LYING 617.5 FEET WEST OF THE JUNCTION OF FM 2234/FM 521.



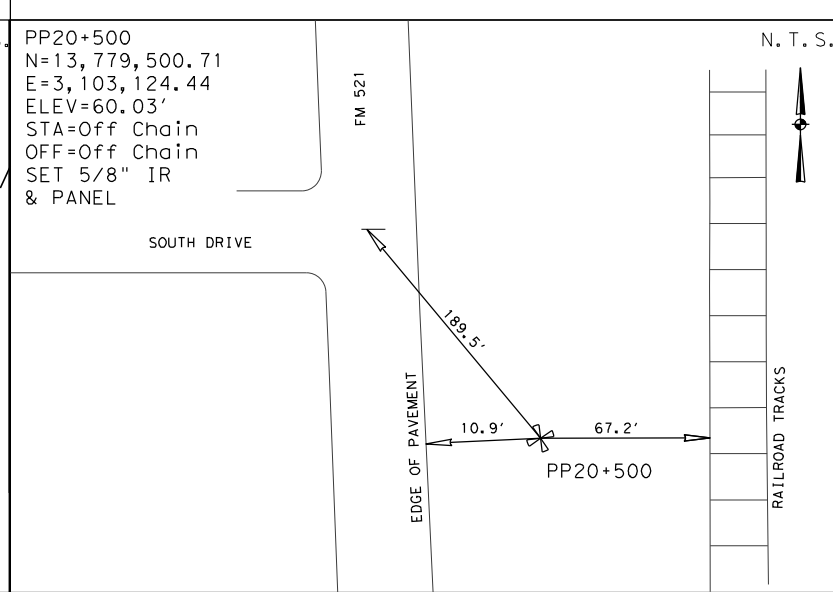
STATION IS LOCATED IN THE CENTER OF SHADOW CREEK RANCH PARKWAY AND LYING 882.9 FEET EAST OF THE JUNCTION OF SHADOW CREEK RANCH PARKWAY/FM 521.



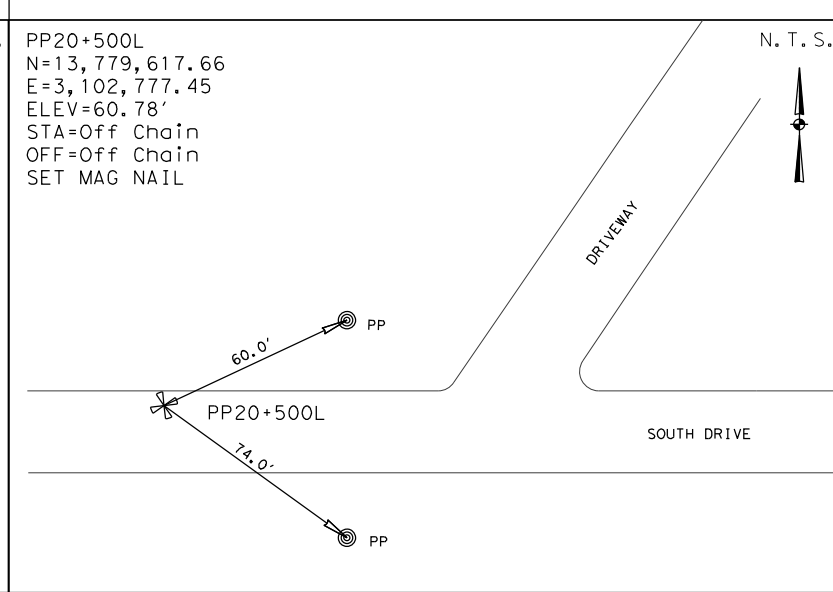
THIS SURVEY CONTROL INFORMATION HAS BEEN ACCEPTED AND INCORPORATED INTO THIS PS&E



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).



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).



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.

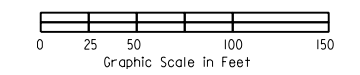
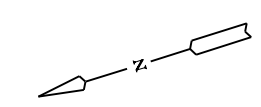
Survey Date: DECEMBER 2015



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
12	0111	03	066
			FM 521

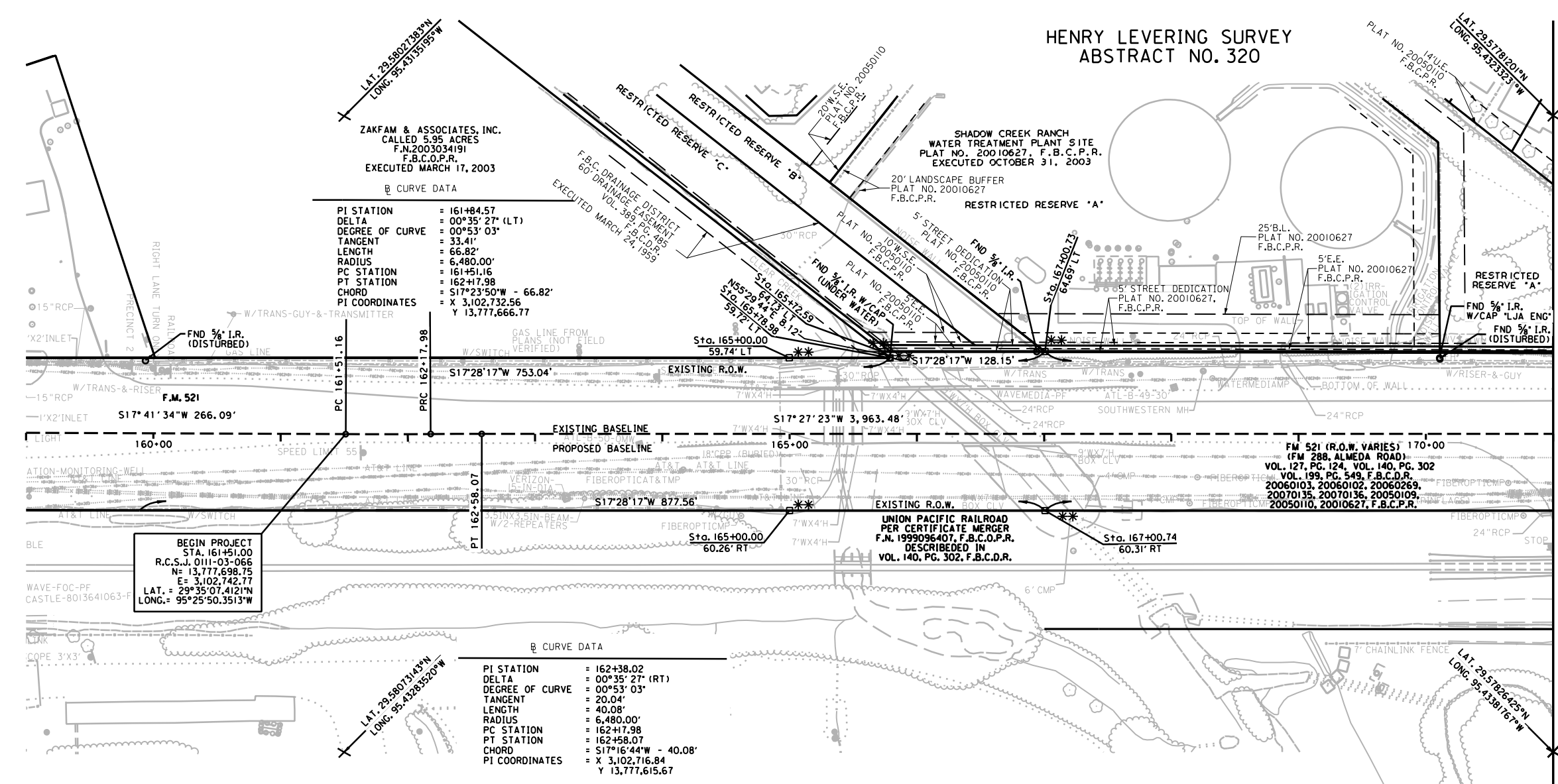
N:\JUA 339\21322002\CAD\H&V Control\H&V Sketches.DGN



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 SUPERVISION OF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETAINED BY TXDOT.

HENRY LEVERING SURVEY ABSTRACT NO. 320



PI CURVE DATA
PI STATION = 161+84.57
DELTA = 00°35' 27" (LT)
DEGREE OF CURVE = 00°53' 03"
TANGENT = 33.41'
LENGTH = 66.82'
RADIUS = 6,480.00'
PC STATION = 161+51.16
PT STATION = 162+17.98
CHORD = S17°23'50"W - 66.82'
PI COORDINATES = X 3,102,732.56
Y 13,777,666.77

PI CURVE DATA
PI STATION = 162+38.02
DELTA = 00°35' 27" (RT)
DEGREE OF CURVE = 00°53' 03"
TANGENT = 20.04'
LENGTH = 40.08'
RADIUS = 6,480.00'
PC STATION = 162+17.98
PT STATION = 162+58.07
CHORD = S17°16'44"W - 40.08'
PI COORDINATES = X 3,102,716.84
Y 13,777,615.67

BEGIN PROJECT
STA. 161+51.00
R.C.S.J. 0111-03-066
N= 13,777,698.75
E= 3,102,742.77
LAT. = 29°35'07.4121"N
LONG. = 95°25'50.3513"W

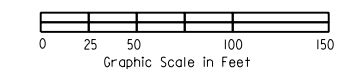
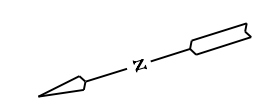
- NOTES:
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MATCH LINE STA. 171+00 SHEET 39

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

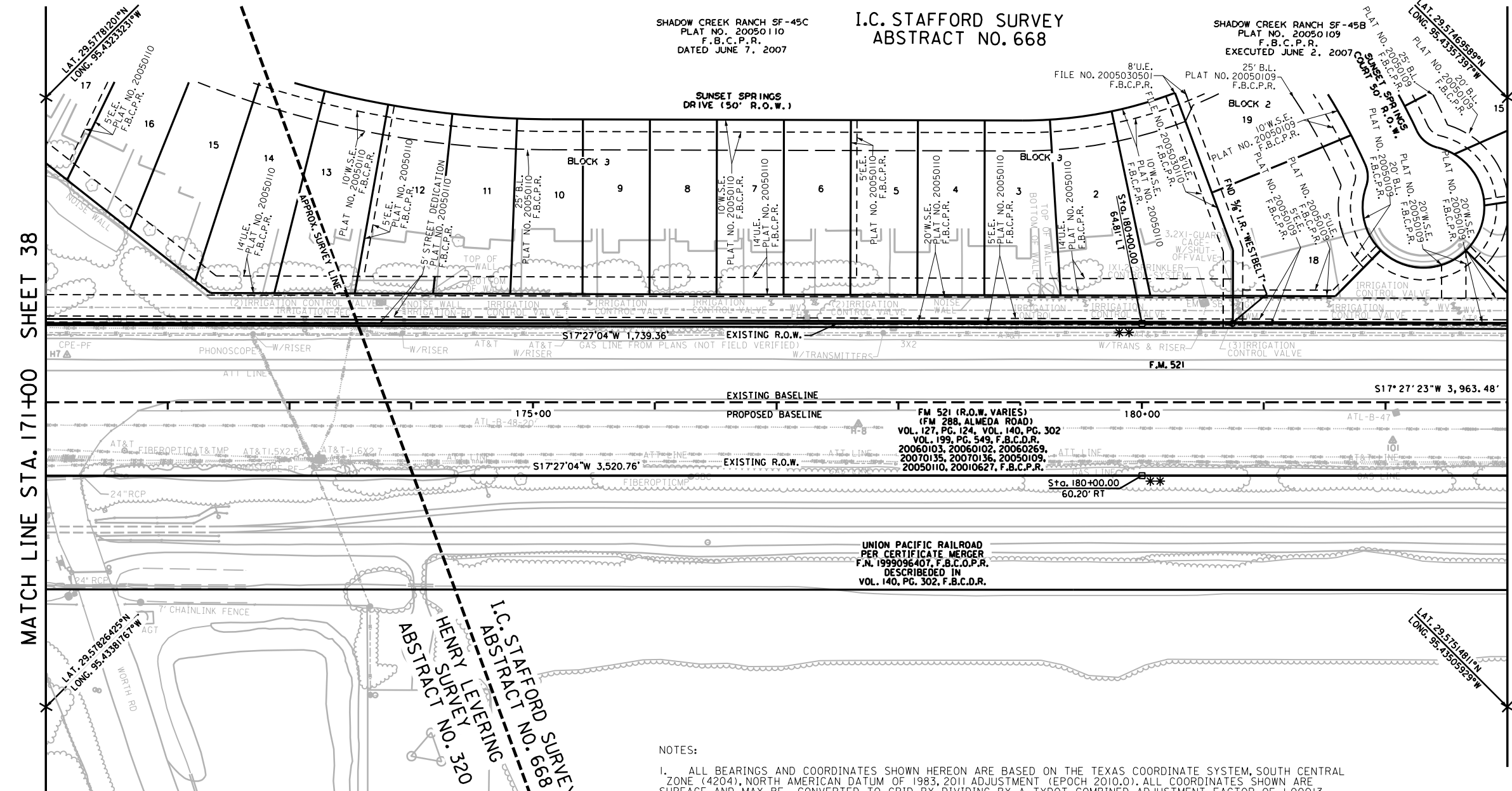
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	38

1:4Pr-jdsk\SURVEY\2694\1901\SUBMITTALS\ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht-38.dgn 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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SHADOW CREEK RANCH SF-45C
PLAT NO. 20050110
F.B.C.P.R.
DATED JUNE 7, 2007

I.C. STAFFORD SURVEY ABSTRACT NO. 668

SHADOW CREEK RANCH SF-45B
PLAT NO. 20050109
F.B.C.P.R.
EXECUTED JUNE 2, 2007

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MATCH LINE STA. 171+00 SHEET 38


MATCH LINE STA. 183+00 SHEET 40

LAT. 29°51'02.4229"N
LONG. 95°43'38.1761"W

LAT. 29°51'18.1114"N
LONG. 95°43'50.9293"W

HENRY LEVERING
ABSTRACT NO. 320
I.C. STAFFORD SURVEY
ABSTRACT NO. 668

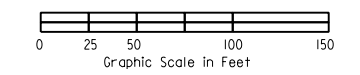
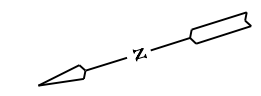
I:\Prj\04sk\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht38.dgn 11/20/2019



LJA Surveying, Inc.
2929 Briarpark Drive
Suite 175
Houston, Texas 77042

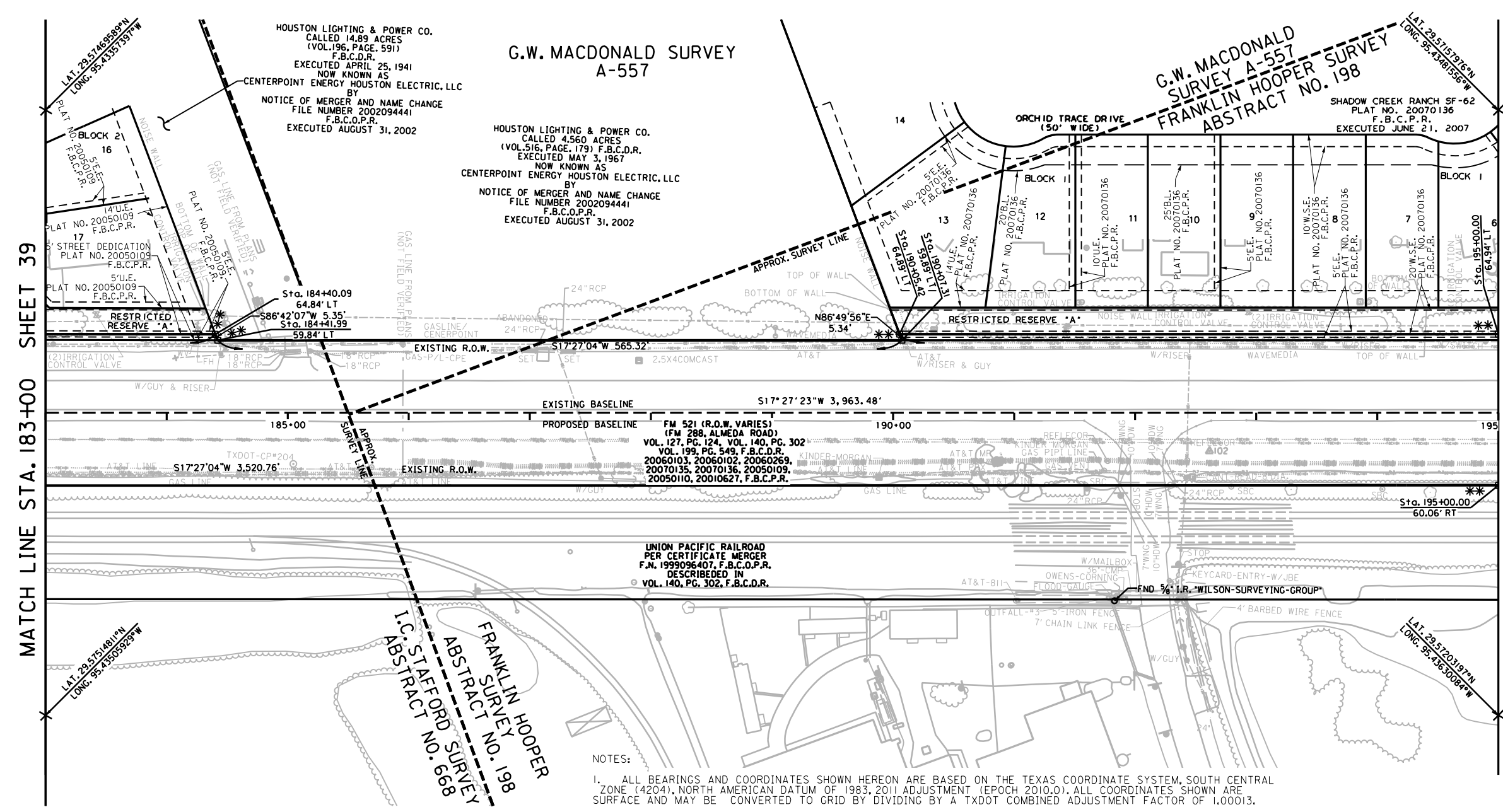
Phone 713.953.5200
Fax 713.953.5026
T.B.P.L.S. Firm No. 10194382

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	39



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

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MATCH LINE STA. 183+00 SHEET 39

MATCH LINE STA. 195+00 SHEET 41

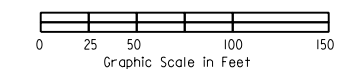
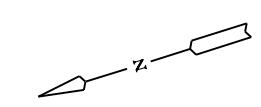
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LJA Surveying, Inc.

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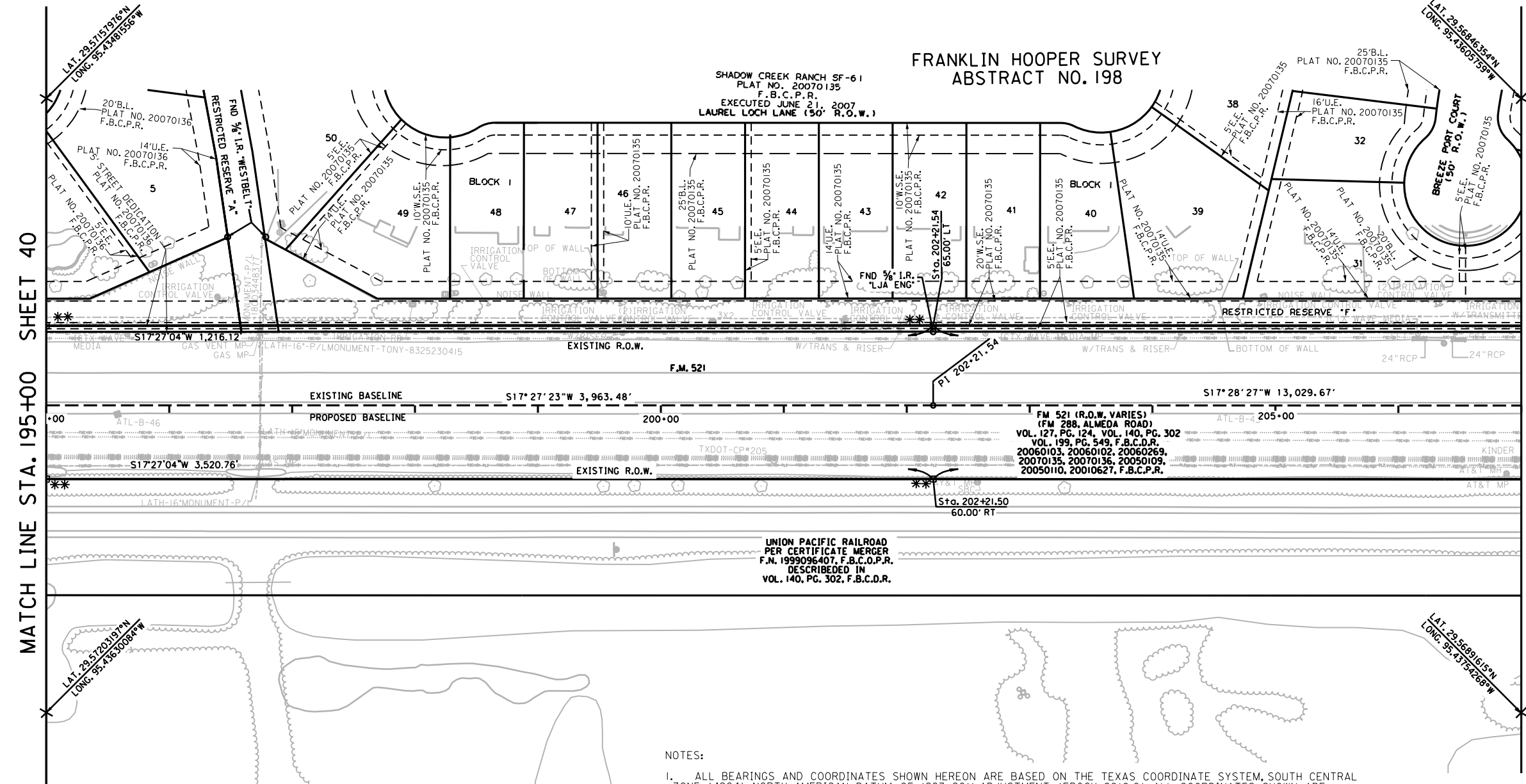
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO. JOB NO. SHEET NO.
12	FORT BEND	0111	03 066 40

1:Prj:0:ask:1:0101:SUBMITTALS:1:ST REDLINES RESUBMITTED 11/18/19:FM521-R0W-Sht40.dgn 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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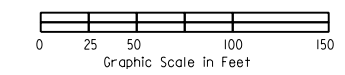
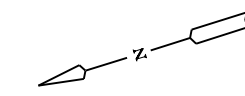
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 Suite 175 Fax 713.953.5026
 Houston, Texas 77042 T.B.P.L.S. Firm No. 10194382

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 41

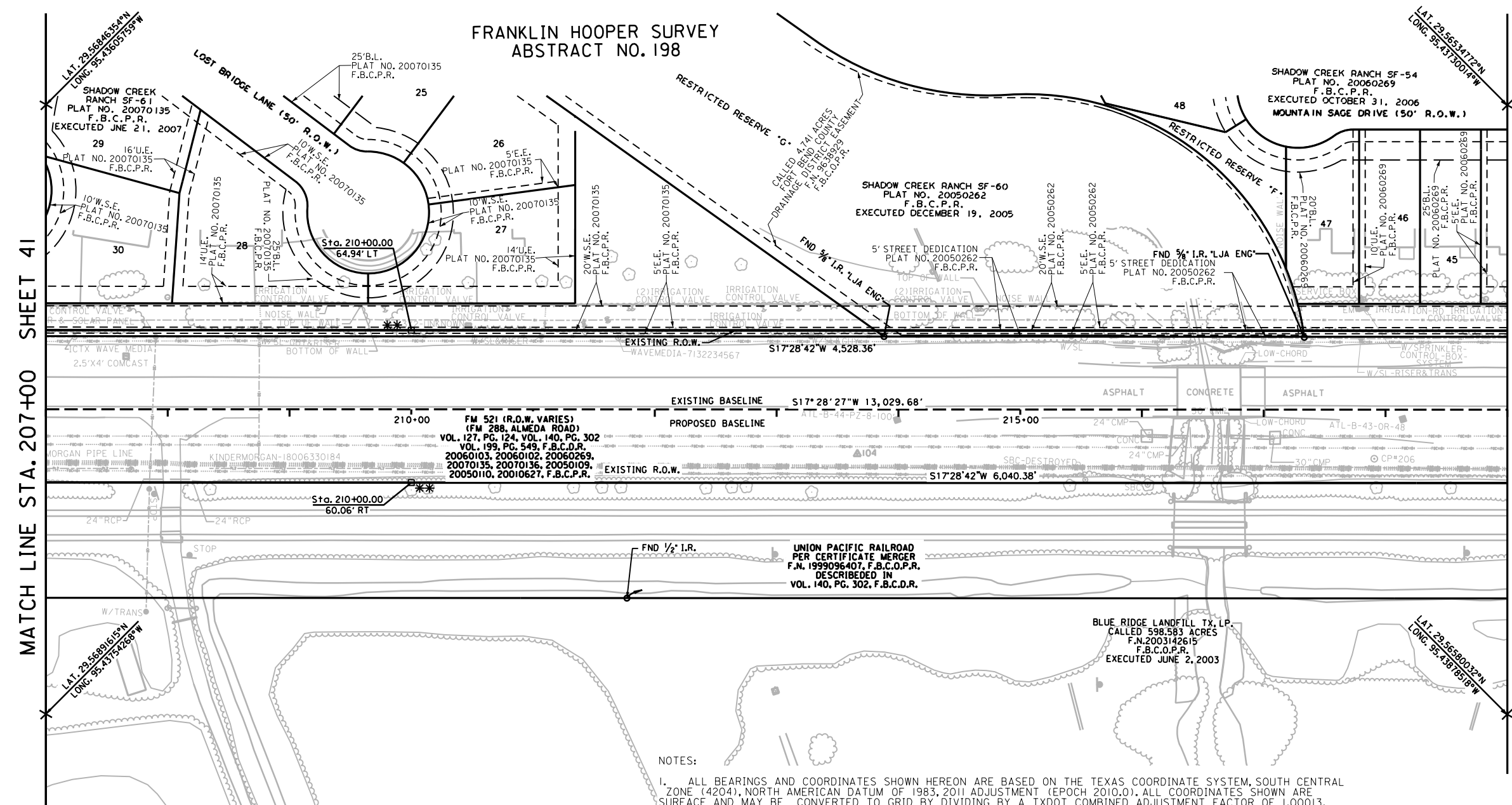
I:\Prj\04sk\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht-41.dgn 11/20/2019



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

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MATCH LINE STA. 207+00 SHEET 41

MATCH LINE STA. 219+00 SHEET 43

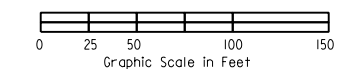
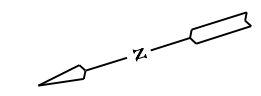
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7. R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
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FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
		JOB NO.	SHEET NO.
		066	42



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

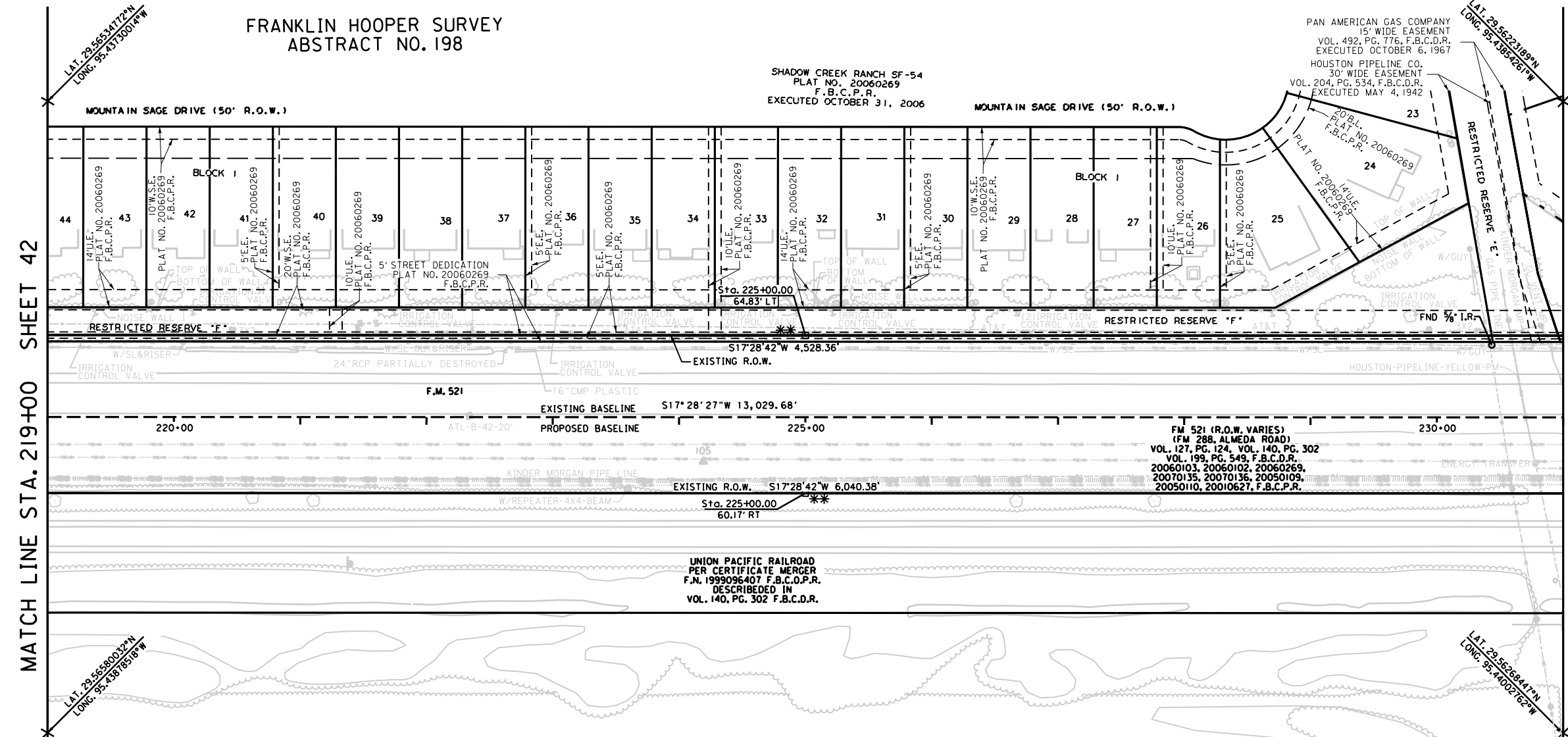
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FRANKLIN HOOPER SURVEY
ABSTRACT NO. 198

SHADOW CREEK RANCH SF-54
PLAT NO. 20060269
F.B.C.P.R.
EXECUTED OCTOBER 31, 2006

PAN AMERICAN GAS COMPANY
15' WIDE EASEMENT
VOL. 492, PG. 776, F.B.C.D.R.
EXECUTED OCTOBER 6, 1967
HOUSTON PIPELINE CO.
30' WIDE EASEMENT
VOL. 204, PG. 534, F.B.C.D.R.
EXECUTED MAY 4, 1942



MATCH LINE STA. 219+00 SHEET 42

MATCH LINE STA. 231+00 SHEET 44

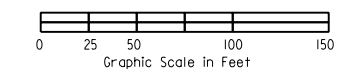
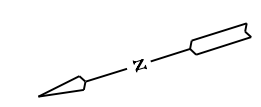
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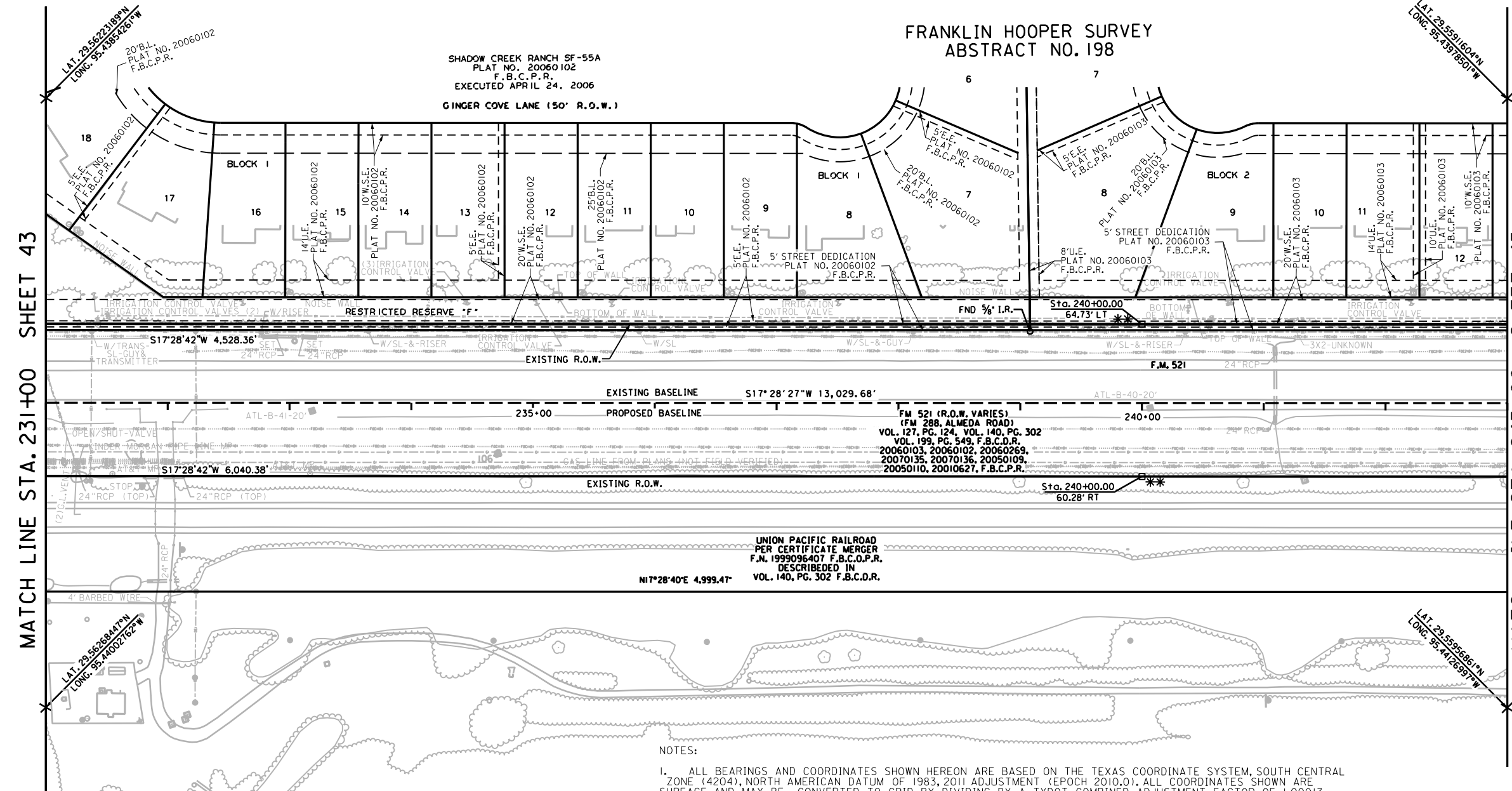
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FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	43



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

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MATCH LINE STA. 231+00 SHEET 43

MATCH LINE STA. 243+00 SHEET 45

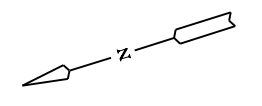
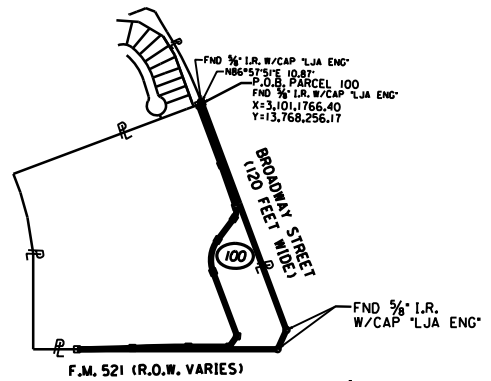
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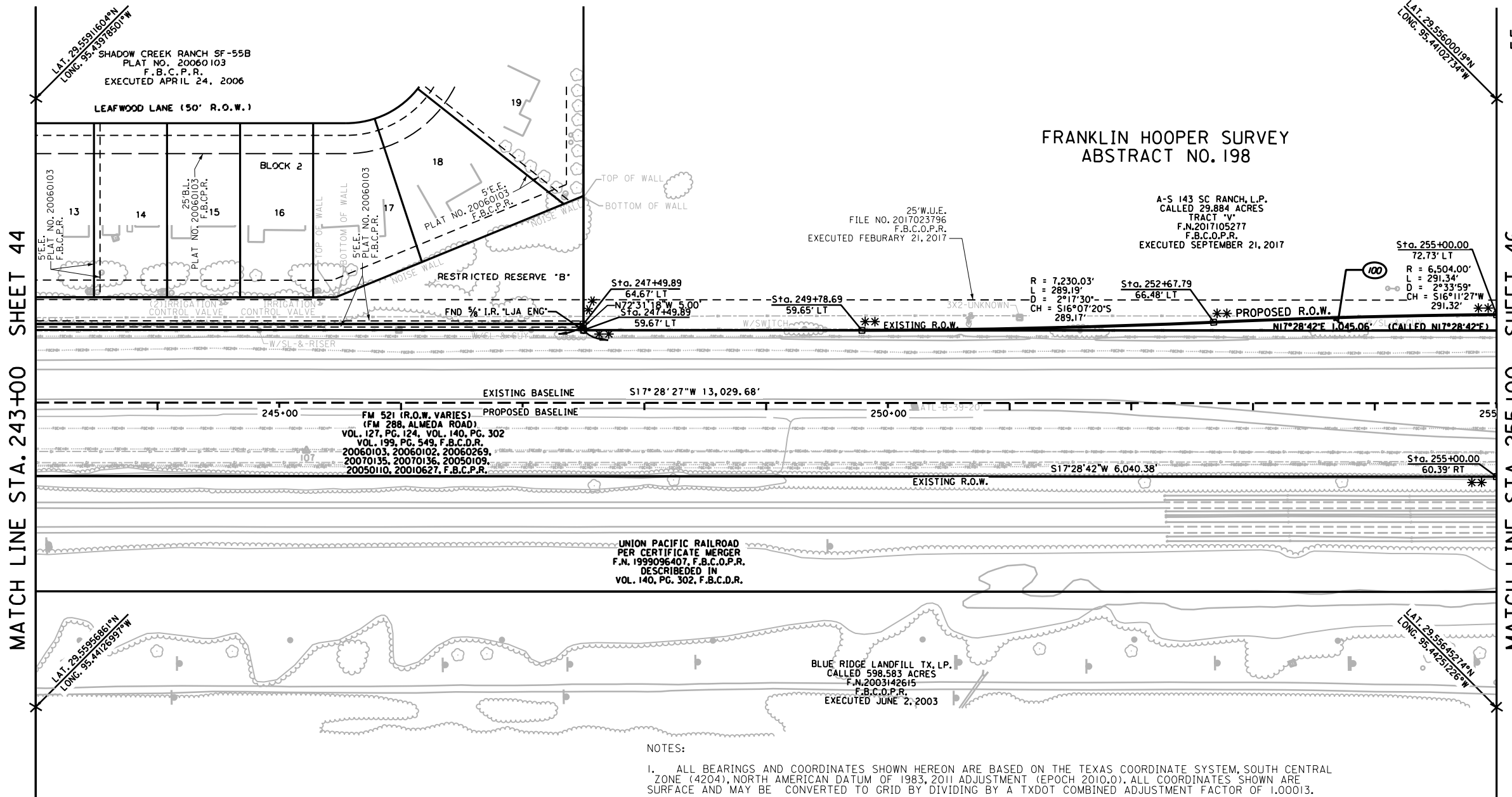
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
		JOB NO.	SHEET NO.
		066	44

I:\Prj\05\19\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht44.dgn 11/20/2019



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 SUPERVISION OF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETAINED BY TXDOT.



MATCH LINE STA. 243+00 SHEET 44

MATCH LINE STA. 255+00 SHEET 46

- NOTES:
- 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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 - ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
 - ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
 - FIELD SURVEYS COMPLETED IN JULY, 2019.
 - R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
 - THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.
 - TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

FRANKLIN HOOPER SURVEY, A-198

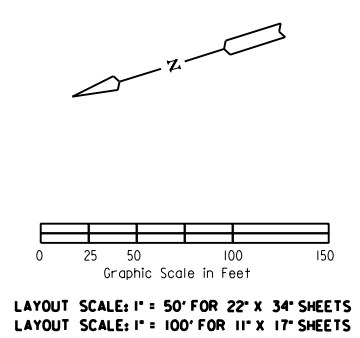
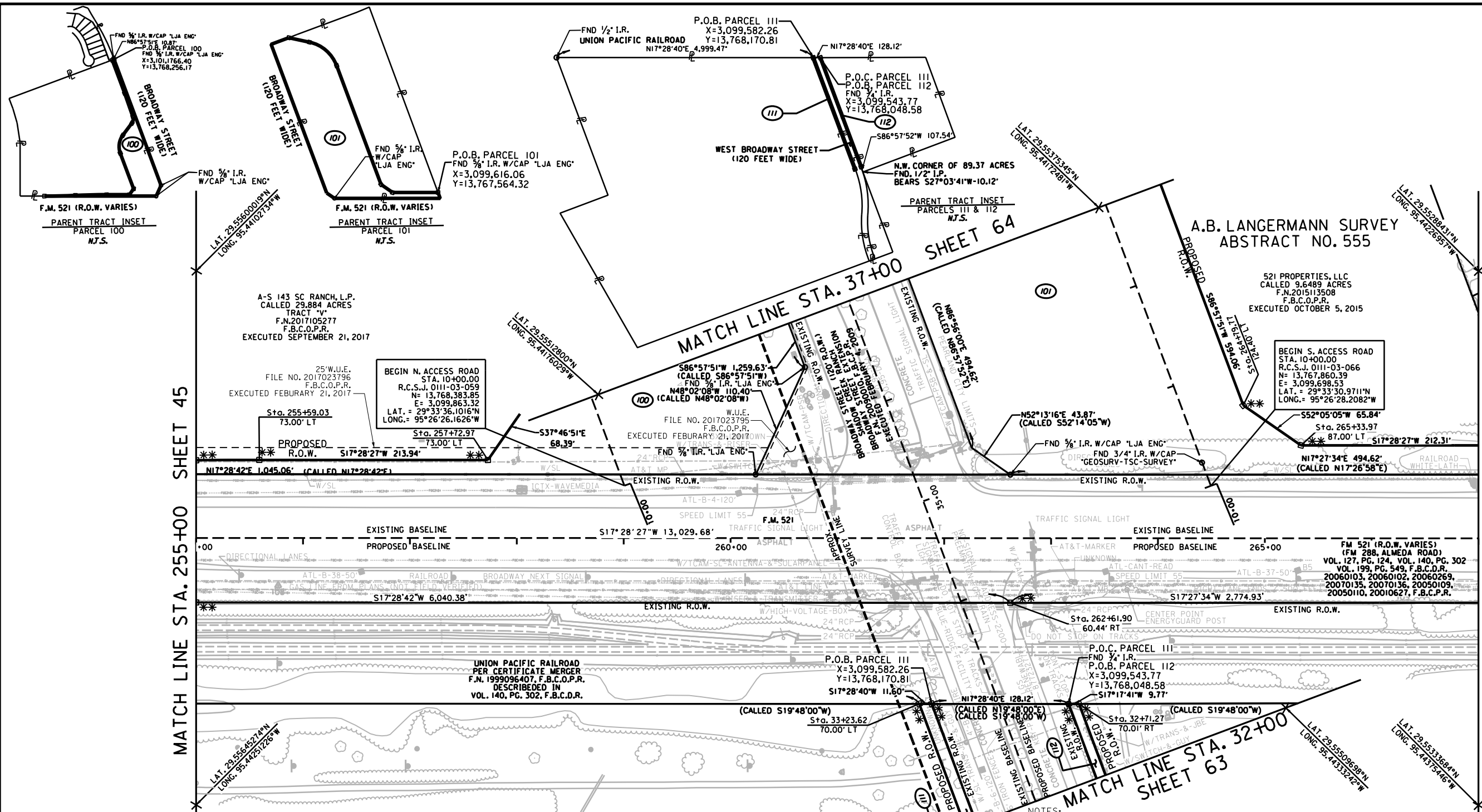
PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING		TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER			LEFT	RIGHT
100	29.8843 AC.			A-S 143 SC RANCH, L.P.				4,1226 179,581	25.7617	

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.
12	FORT BEND	0111	03
		JOB NO.	SHEET NO.
		066	45



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 SUPERVISION OF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETIRED BY TXDOT.

MATCH LINE STA. 255+00 SHEET 45

MATCH LINE STA. 267+00 SHEET 47

- NOTES:
- 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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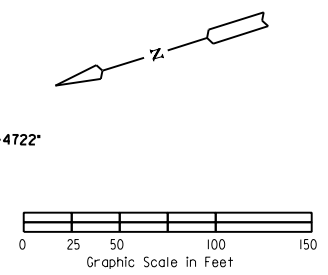
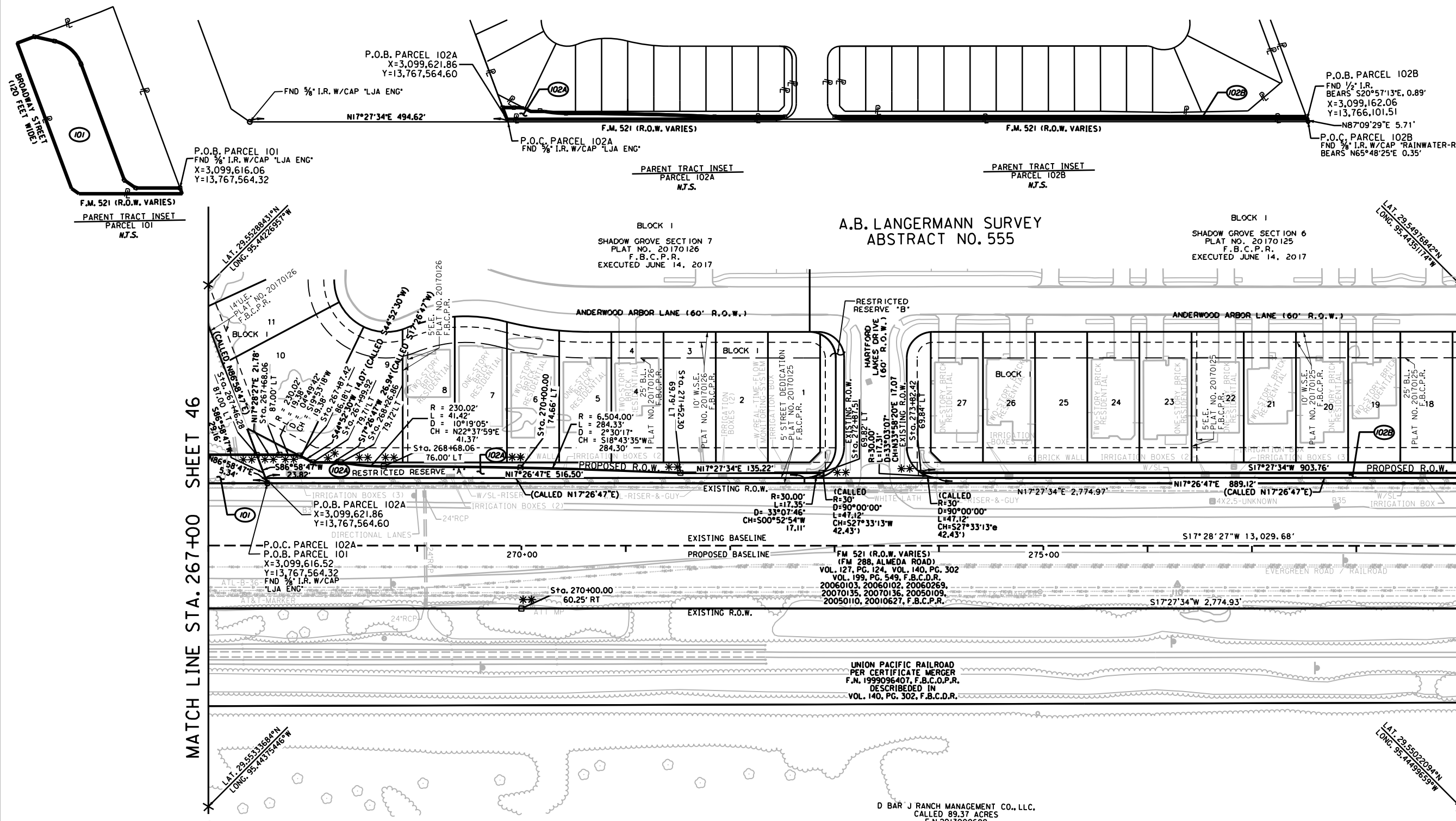
* FRANKLIN HOOPER SURVEY, A-198					** A.B. LANGERMANN SURVEY, A-555				
PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING	TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER		LEFT	RIGHT
*** 100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4,1226	25.7617	
** 101	9.6491 AC.			521 PROPERTIES LLC			179.581	4.9899	
** 111	598.5833 AC.			BLUE RIDGE LANDFILL TX, LP.			4,5593	598.0045	
** 112	89.3773			D BAR J RANCH MANAGEMENT CO., LLC			202.958	88.8996	
							0.5788		
							25.212		
							0.4774		
							20.798		

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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.
12	FORT BEND	0111	03
			JOB NO.
			066
			SHEET NO.
			46

I:\Prj\05\19\01\SUBMITTALS\SURVEY\2694\1901\SUBMITTALS\SURVEY\RESUBMITTED 111819\FM521-ROW-Sht46.dgn 11/26/2019



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 SUPERVISION OF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETAINED BY TXDOT.

MATCH LINE STA. 267+00 SHEET 46

MATCH LINE STA. 279+00 SHEET 48

- NOTES:
- 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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 - ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
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 - FIELD SURVEYS COMPLETED IN JULY, 2019.
 - R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
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 - TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

A.B. LANGERMANN SURVEY, A-555

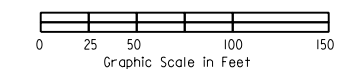
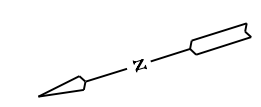
PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING		TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER			LEFT	RIGHT
101	9.6491 AC.			521 PROPERTIES LLC				4.6593	4.9899	
102A	18.8995 AC.			KB HOME LONE STAR INC				0.1193	18.7802	
102B	13.1391 AC.			KB HOME LONE STAR INC				5.195	13.0506	
								0.0981		
								4.271		

LJA Surveying, Inc.

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 Suite 175
 Houston, Texas 77042

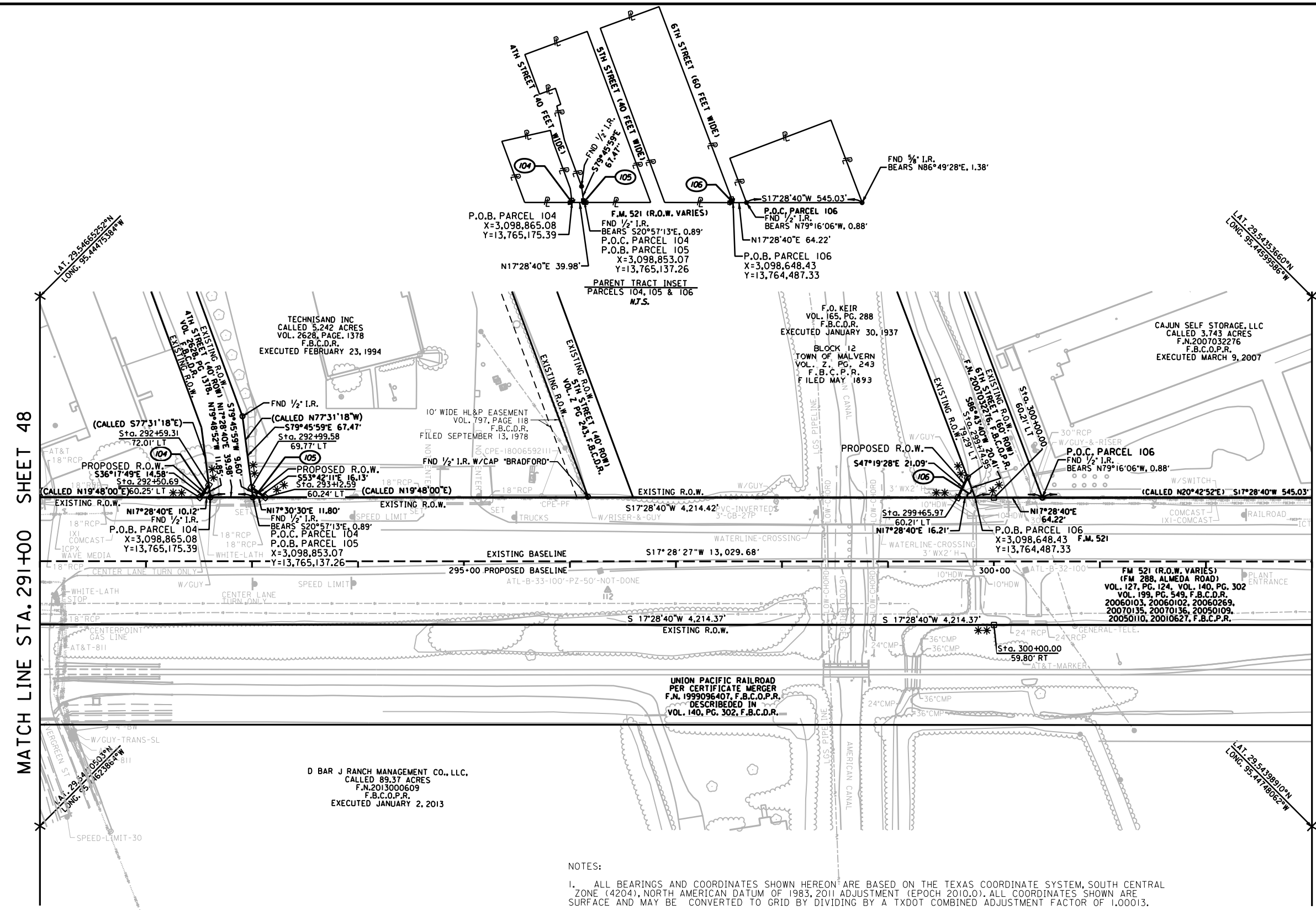
Phone 713.953.5200
 Fax 713.953.5026
 T.B.P.L.S. Firm No. 10194382

FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
JOB NO.	SHEET NO.		
066	47		



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

NOTES:
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MATCH LINE STA. 291+00 SHEET 48

MATCH LINE STA. 303+00 SHEET 50

- NOTES:
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 - ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
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MANUEL ESCALERO SURVEY, A-169

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

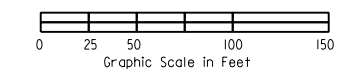
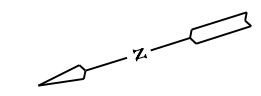
LJA Surveying, Inc.

2929 Briarpark Drive Suite 175 Houston, Texas 77042

Phone 713.953.5200 Fax 713.953.5026 T.B.P.L.S. Firm No. 10194382

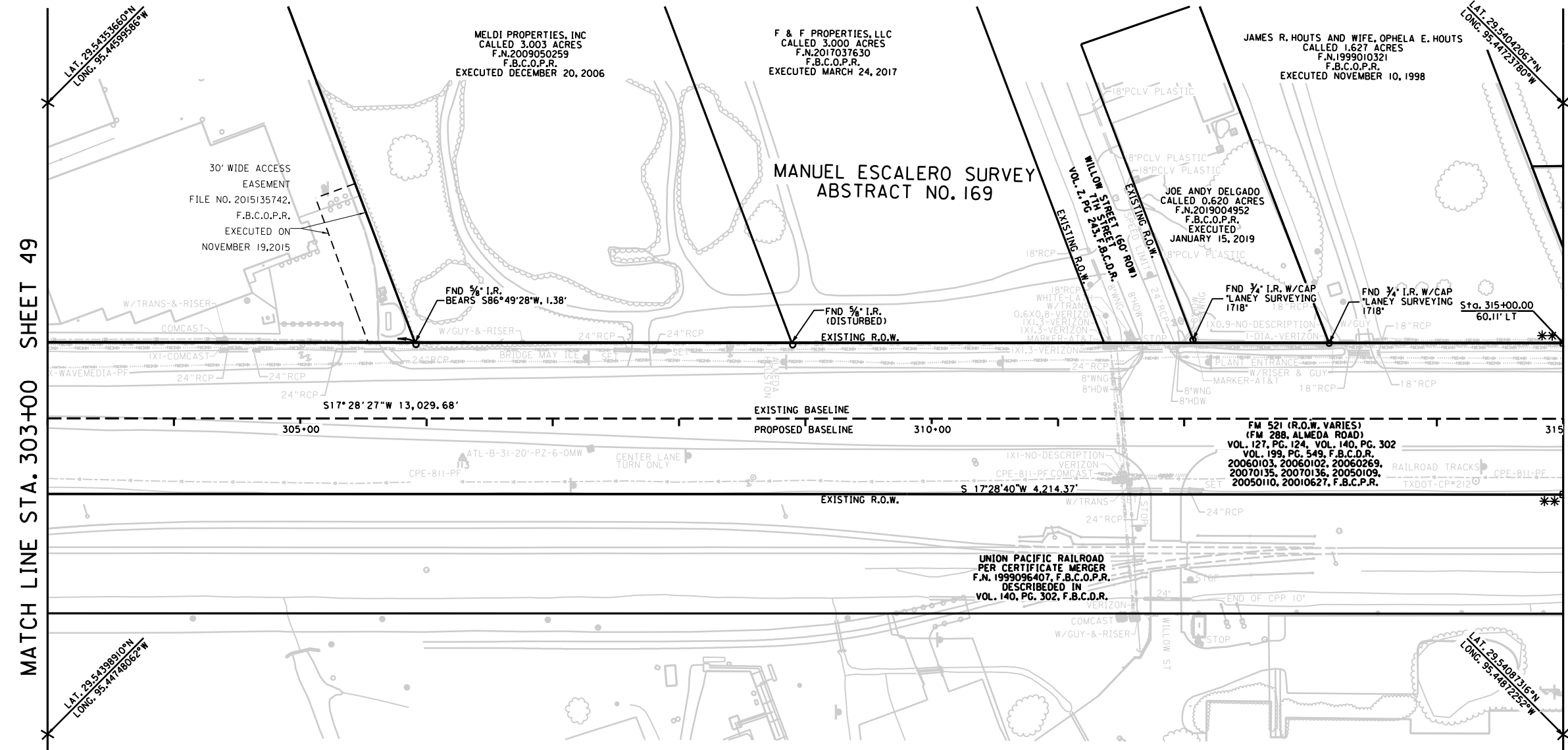
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	49

I:\Prj\05\1\SURVEY\2694\1901\SUBMITTALS\ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht49.dgn 11/26/2019



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

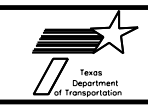
NOTES:
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MATCH LINE STA. 303+00 SHEET 49

MATCH LINE STA. 315+00 SHEET 51

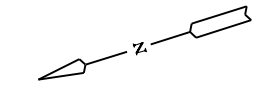
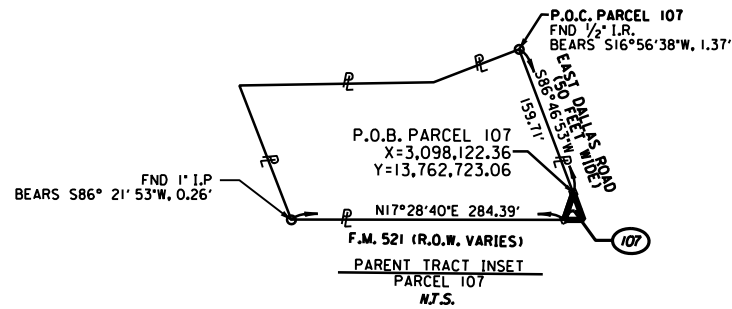
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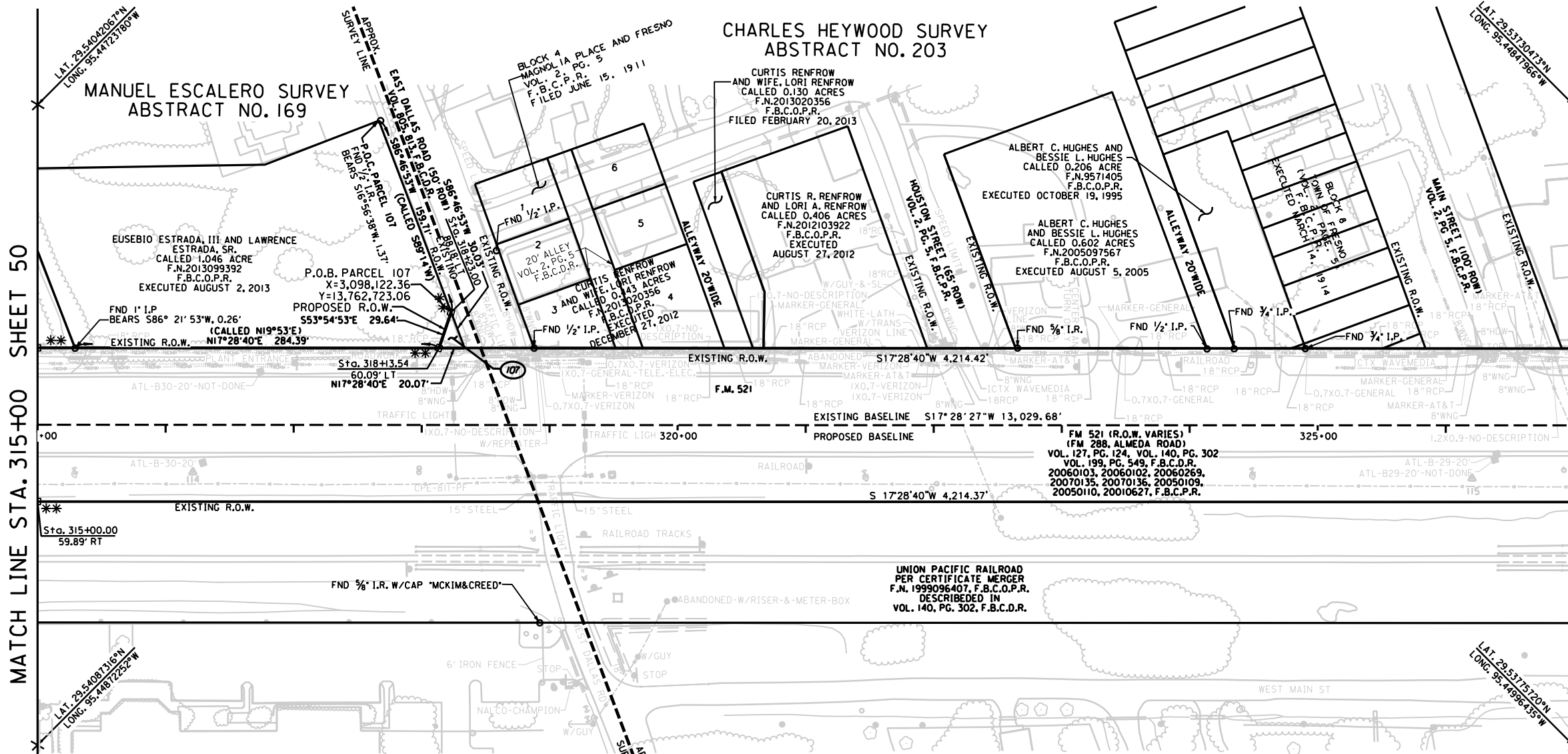
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	50

I:\Prj\04sk\1901\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht50.dgn 11/21/2019



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

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MANUEL ESCALERO SURVEY, A-169

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

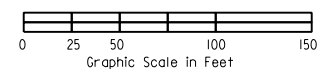
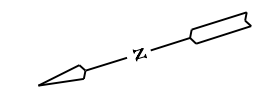
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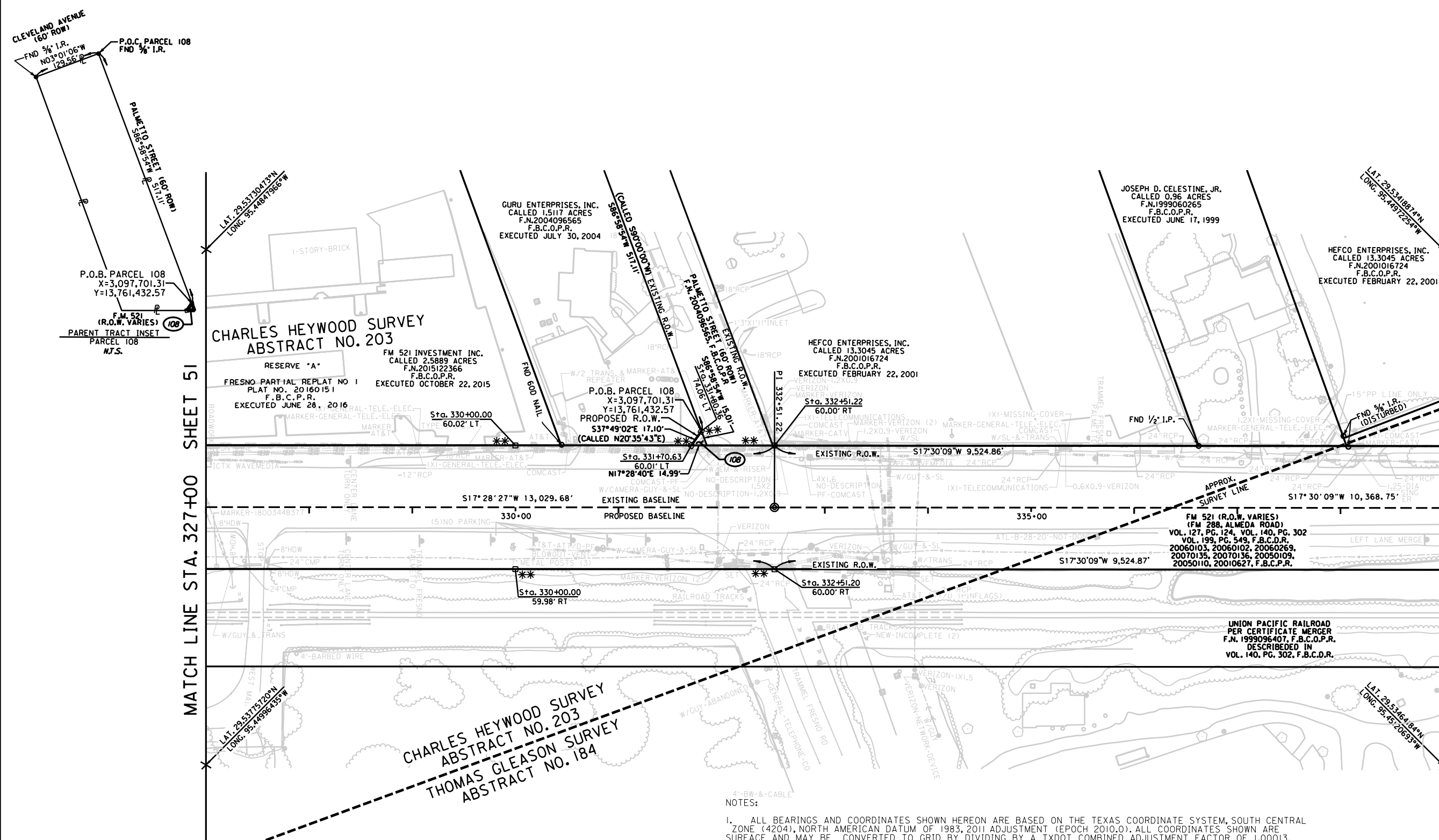
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
JOB NO.	SHEET NO.		
066	51		

I:\Prj\05\1\SURVEY\2694\1901\SUBMITTALS\ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht51.dgn 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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- 4" BW & CABLE NOTES:
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 - FIELD SURVEYS COMPLETED IN JULY, 2019.
 - R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
 - THIS SURVEY DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR RECORDING PURPOSES.
 - TICK MARKS SHOWN ARE LATITUDE AND LONGITUDE IN DECIMAL DEGREES BASED ON GRID COORDINATES.

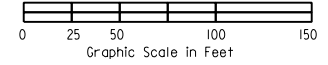
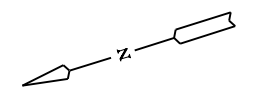
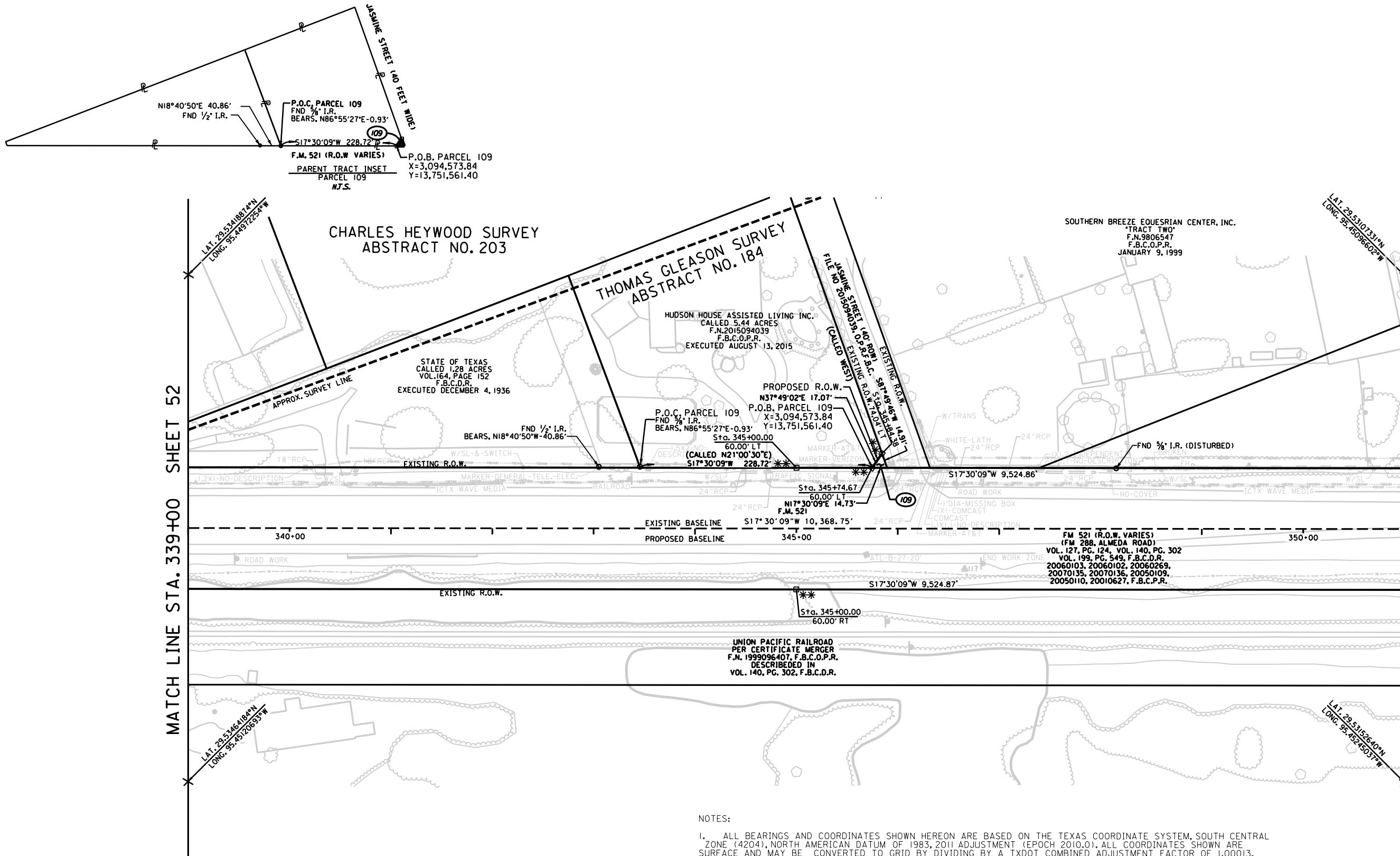
CHARLES HEYWOOD SURVEY, A-203

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

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	52

I:\Prj\05\1\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht52.dgn 11/26/2019



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 SUPERVISION OF A REGISTERED PROFESSIONAL LAND SURVEYOR, EITHER EMPLOYED OR RETAINED BY TXDOT.

MATCH LINE STA. 339+00 SHEET 52

MATCH LINE STA. 351+00 SHEET 54

- NOTES:
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CHARLES HEYWOOD SURVEY, A-203

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

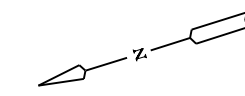
LJA Surveying, Inc.

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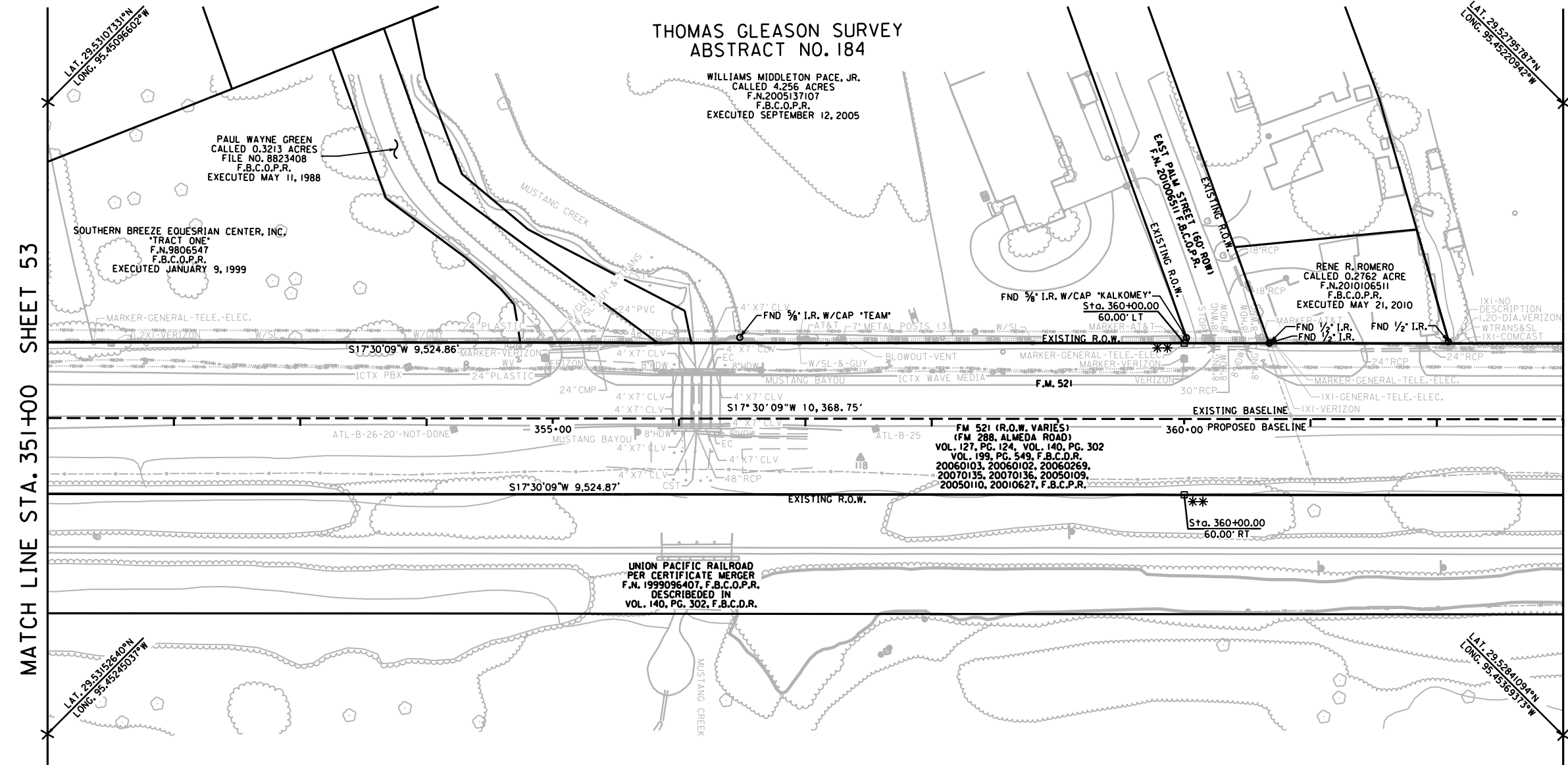
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO. JOB NO. SHEET NO.
12	FORT BEND	0111	03 066 53

I:\Prj\05\1\05\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht53.dgn 11/26/2019



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

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THOMAS GLEASON SURVEY ABSTRACT NO. 184

WILLIAMS MIDDLETON PACE, JR.
CALLED 4.256 ACRES
F.N. 2005137107
F.B.C.O.P.R.
EXECUTED SEPTEMBER 12, 2005

PAUL WAYNE GREEN
CALLED 0.3213 ACRES
FILE NO. 8823408
F.B.C.O.P.R.
EXECUTED MAY 11, 1988

SOUTHERN BREEZE EQUESTRIAN CENTER, INC.
TRACT ONE
F.N. 9806547
F.B.C.O.P.R.
EXECUTED JANUARY 9, 1999

RENE R. ROMERO
CALLED 0.2762 ACRE
F.N. 2010106511
F.B.C.O.P.R.
EXECUTED MAY 21, 2010

UNION PACIFIC RAILROAD
PER CERTIFICATE MERGER
F.N. 1999096407, F.B.C.O.P.R.
DESCRIBED IN
VOL. 140, PG. 302, F.B.C.D.R.

F.M. 521 (R.O.W. VARIES)
(FM 288, ALMEDA ROAD)
VOL. 127, PG. 124, VOL. 140, PG. 302
VOL. 199, PG. 549, F.B.C.D.R.
20060103, 20060102, 20060269,
20070135, 20070136, 20050109,
20050110, 20010627, F.B.C.P.R.


NOTES:

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MATCH LINE STA. 351+00 SHEET 53

MATCH LINE STA. 363+00 SHEET 55

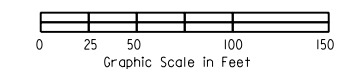
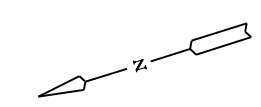
I:\Prj\04sk\04SURVEY\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht54.dgn 11/21/2019



LJA Surveying, Inc.

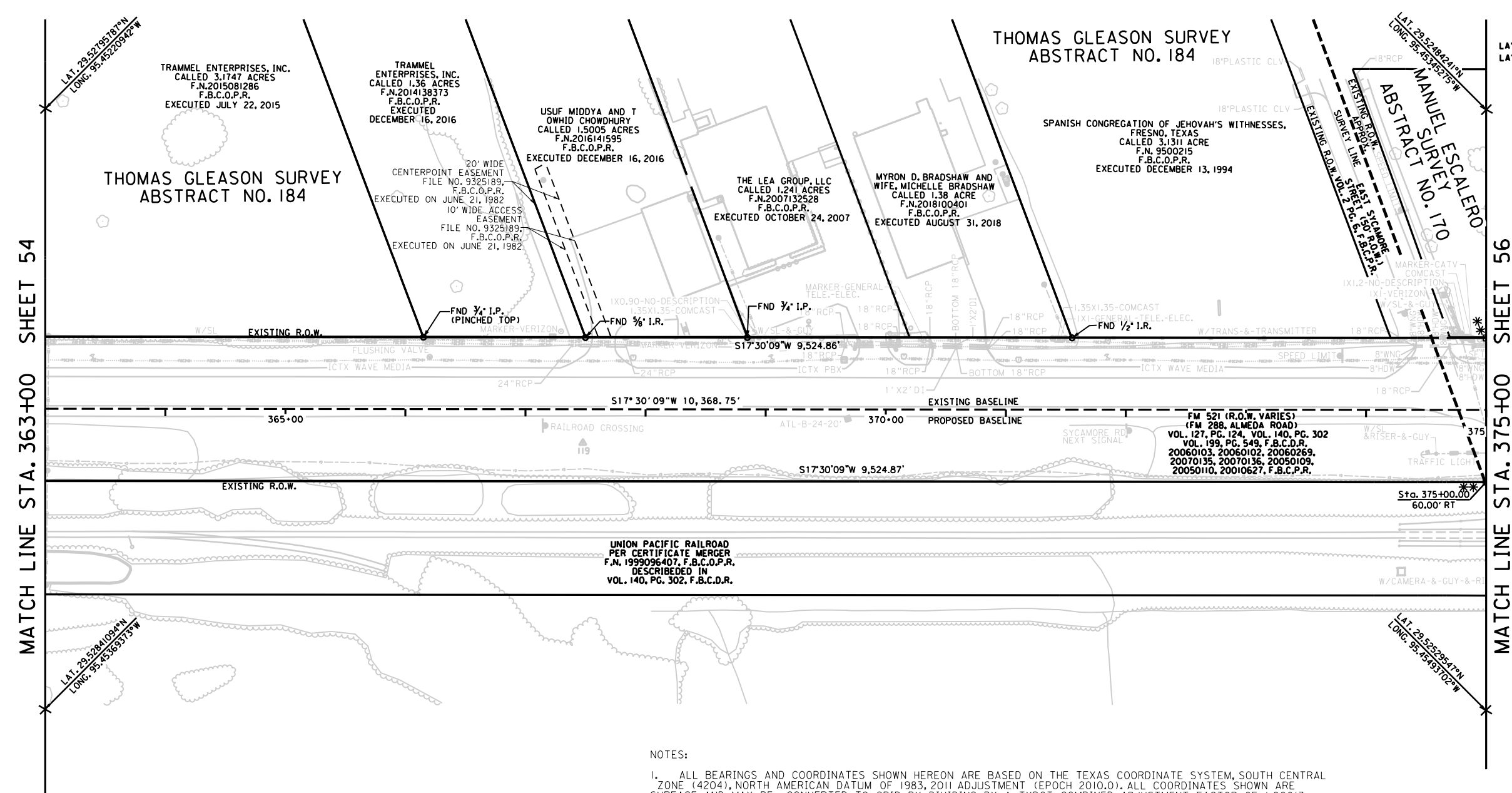
2929 Briarpark Drive Suite 175 Houston, Texas 77042
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FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	54



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

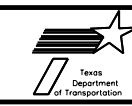
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MATCH LINE STA. 363+00 SHEET 54

MATCH LINE STA. 375+00 SHEET 56

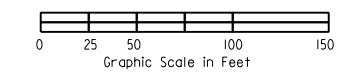
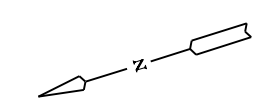
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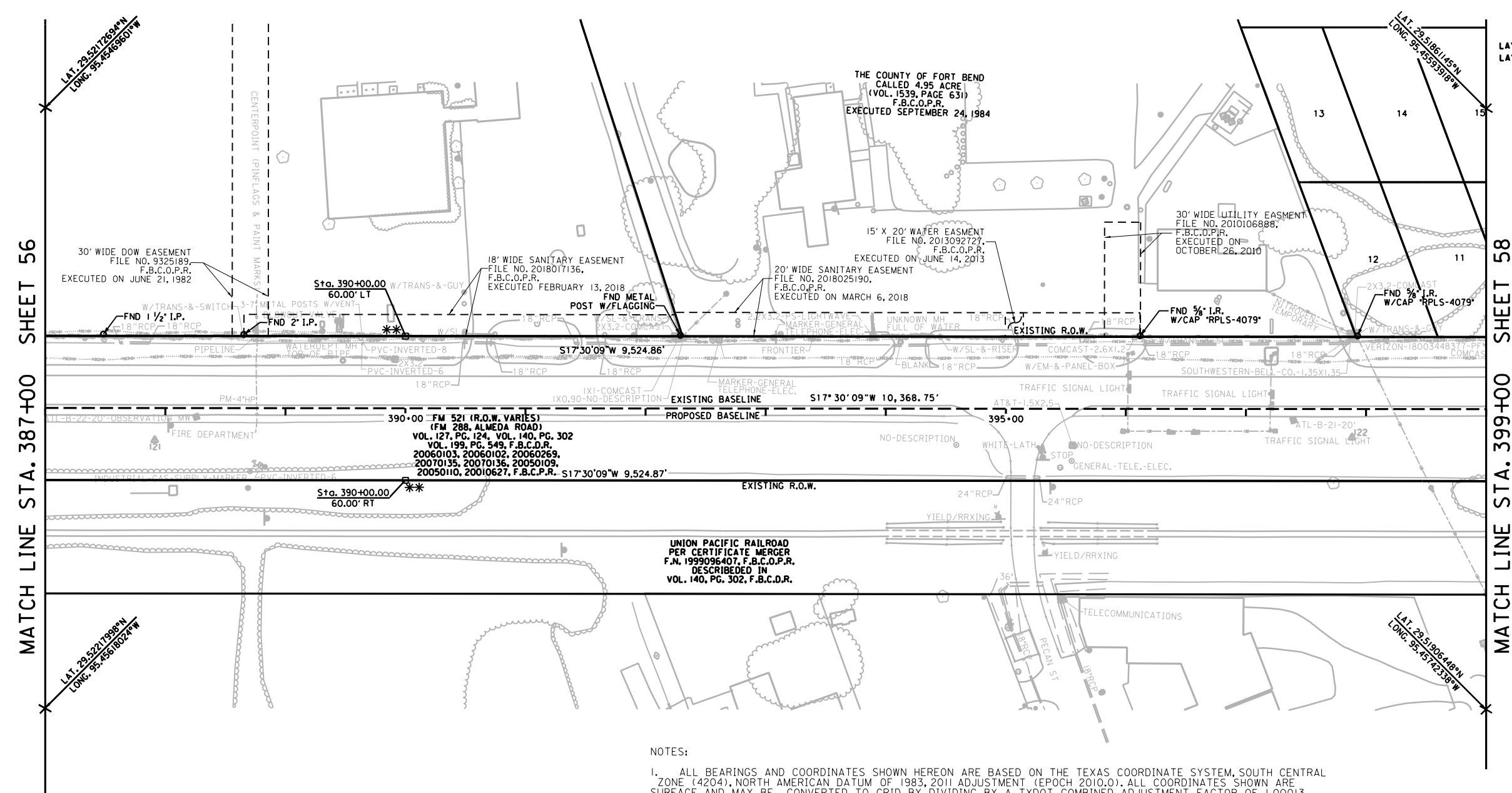
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	55

I:\Prj\05\1\SURVEY\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht55.dgn
11/21/2019



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


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MATCH LINE STA. 387+00 SHEET 56

MATCH LINE STA. 399+00 SHEET 58

- NOTES:
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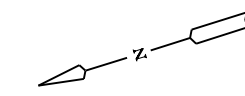


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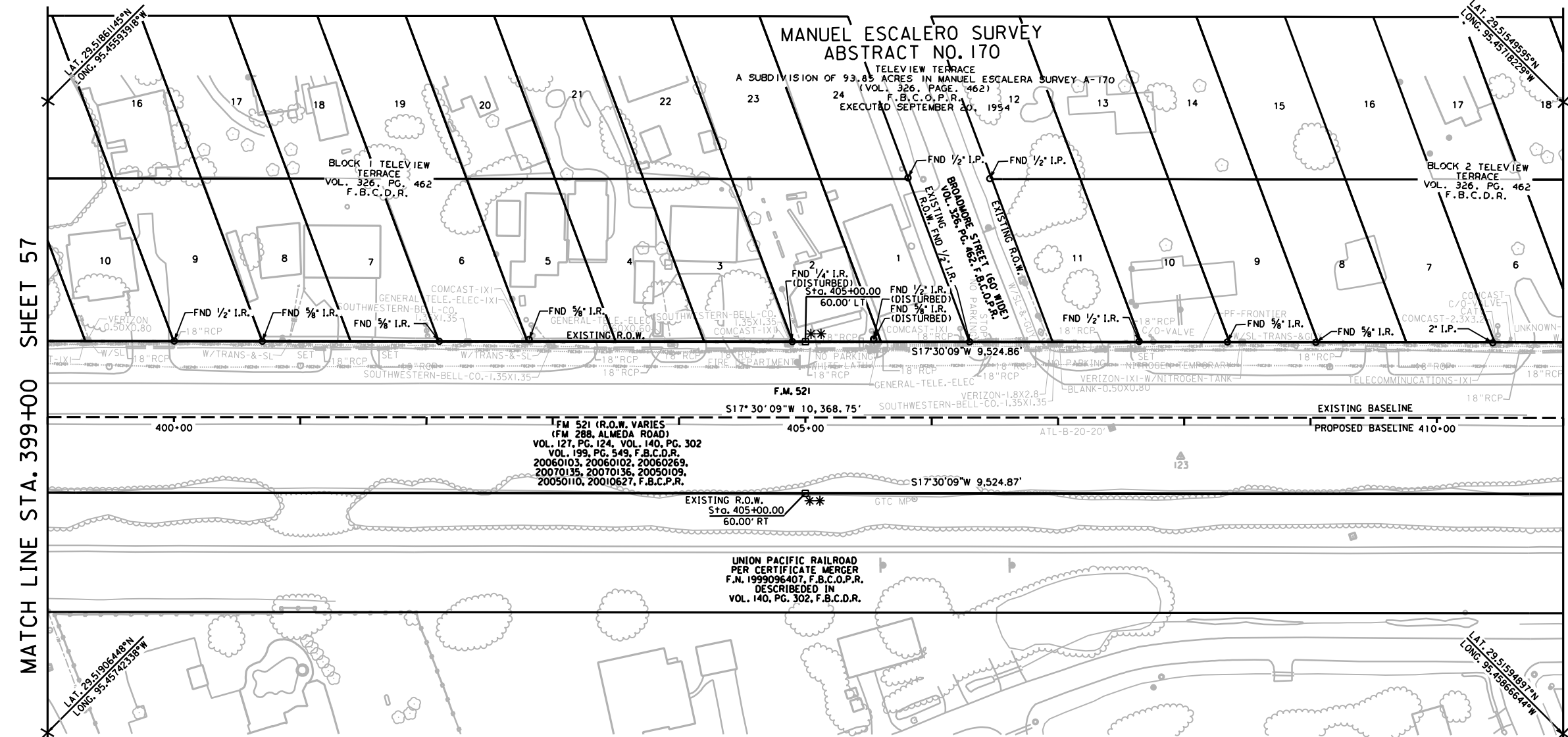
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO. JOB NO. SHEET NO.
12	FORT BEND	0111	03 066 57

I:\Prj\04sk\1\SURVEY\2694\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht57.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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MATCH LINE STA. 399+00 SHEET 57

MATCH LINE STA. 411+00 SHEET 59

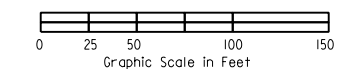
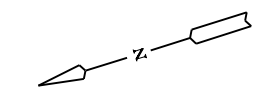
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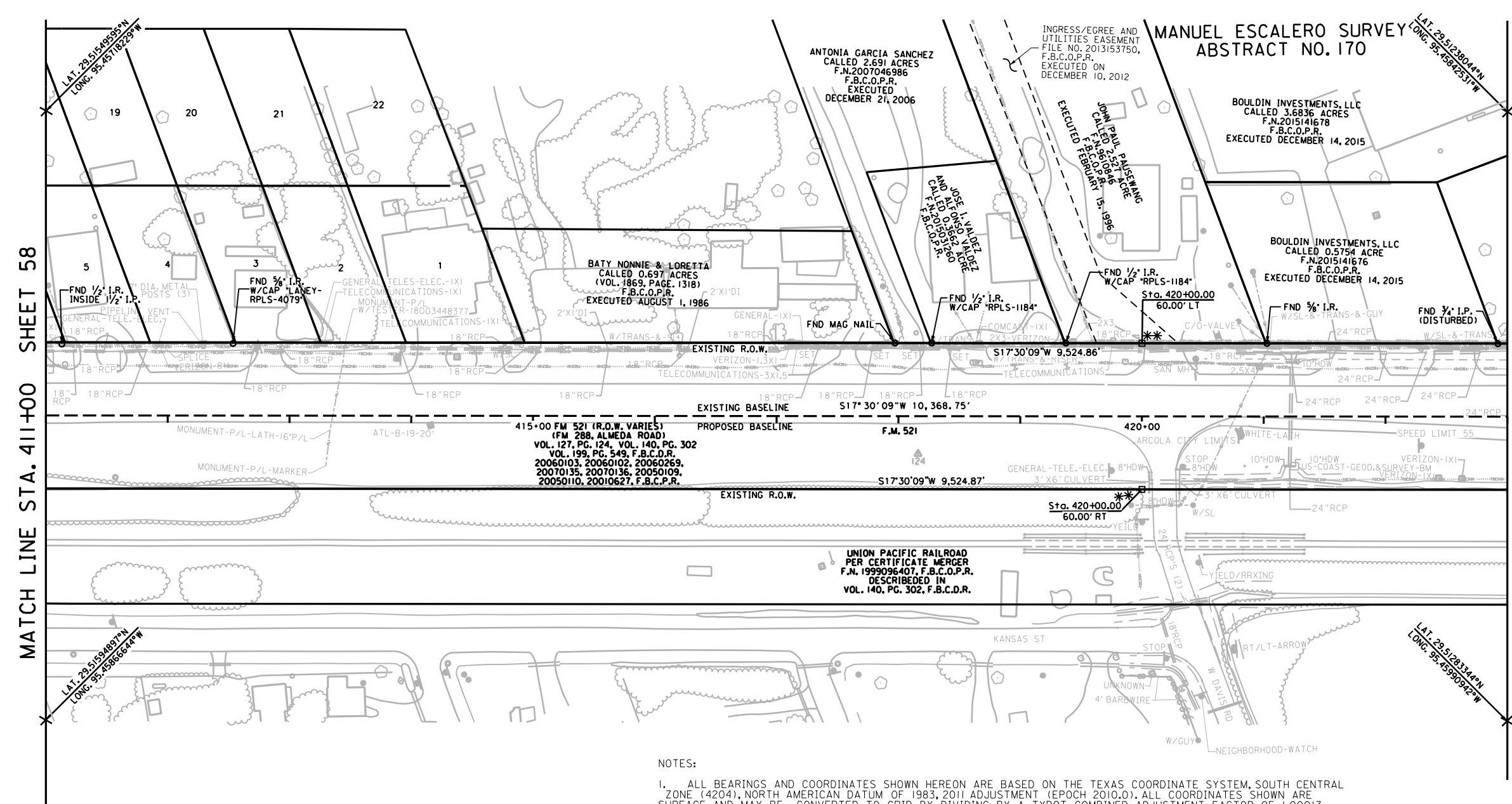
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	58

I:\Prj\04sk\1901\SUBMITTALS\1811819\FM521-ROW-Sht58.dgn 11/21/2019



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


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MATCH LINE STA. 411+00 SHEET 58

MATCH LINE STA. 423+00 SHEET 60

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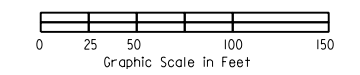
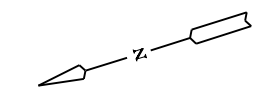
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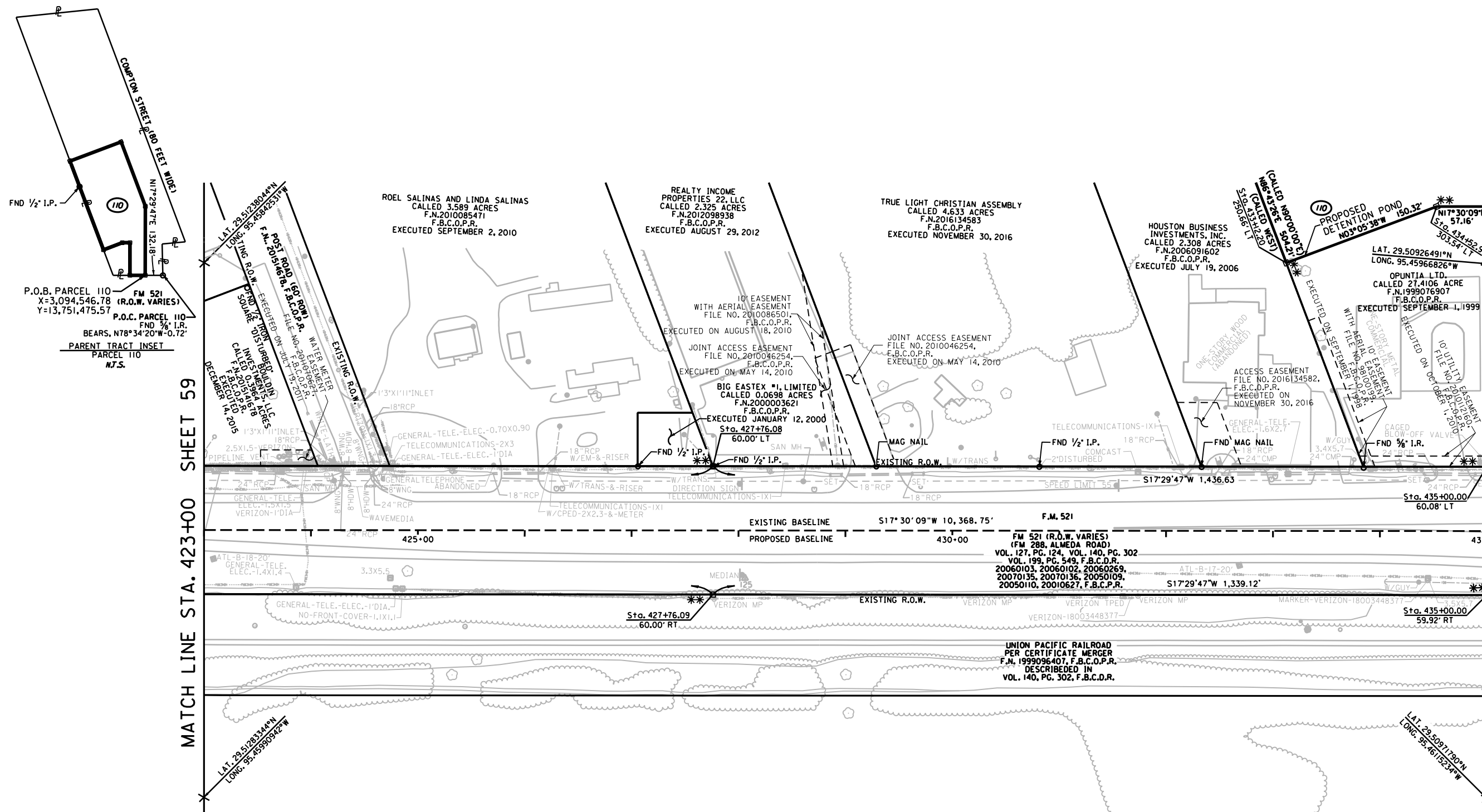
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	59

I:\Prj\04sk\1901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht59.dgn 11/21/2019



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MATCH LINE STA. 423+00 SHEET 59

MATCH LINE STA. 435+00 SHEET 61

- NOTES:
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 - ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
 - ABSTRACT INFORMATION PROVIDED BY POSTLE PROPERTY SERVICES COMPLETED JULY 2019.
 - FIELD SURVEYS COMPLETED IN JULY, 2019.
 - R.O.W. MAP COMPLETED IN NOVEMBER, 2019.
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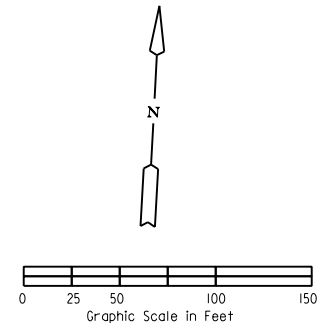
MANUEL ESCALERO SURVEY, A-170

PARCEL NO.	EXIST. ACRES	LOT	BLOCK	OWNER	TYPE OF CONV.	RECORDING	TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER		LEFT	RIGHT
110	27.4031			OPUNTIA LTD.			7.2616 316.315	20.1415	

LJA Surveying, Inc.

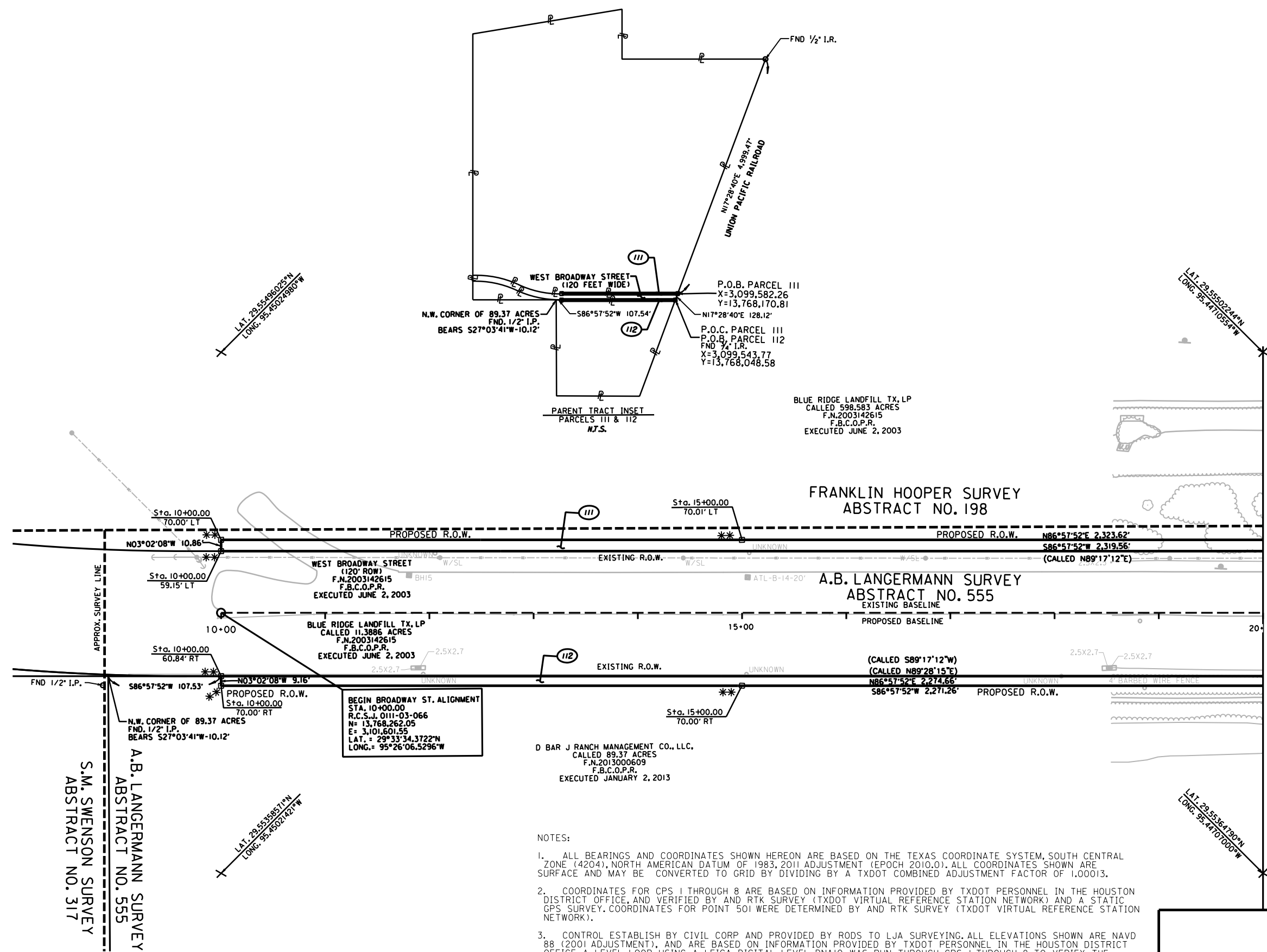
2929 Briarpark Drive Phone 713.953.5200
 Suite 175 Fax 713.953.5026
 Houston, Texas 77042 T.B.P.L.S. Firm No. 10194382

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



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

NOTES:
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A.B. LANGERMANN SURVEY, A-555

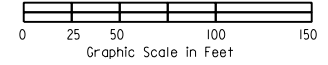
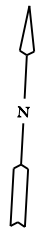
PARCEL NO.	EXIST. ACRES	LGT	BLOCK	OWNER	TYPE OF CONV.	RECORDING		TOTAL TAKING AREA		REMAINDER ACRES	
						FILE NUMBER				LEFT	RIGHT
111	598.5833 AC.			BLUE RIDGE LANDFILL TX, LP.				0.5788 25.212		598.0045	
112	89.3773			D BAR J RANCH MANAGEMENT CO., LLC				0.4781 20.827		88.8992	

LJA Surveying, Inc.

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

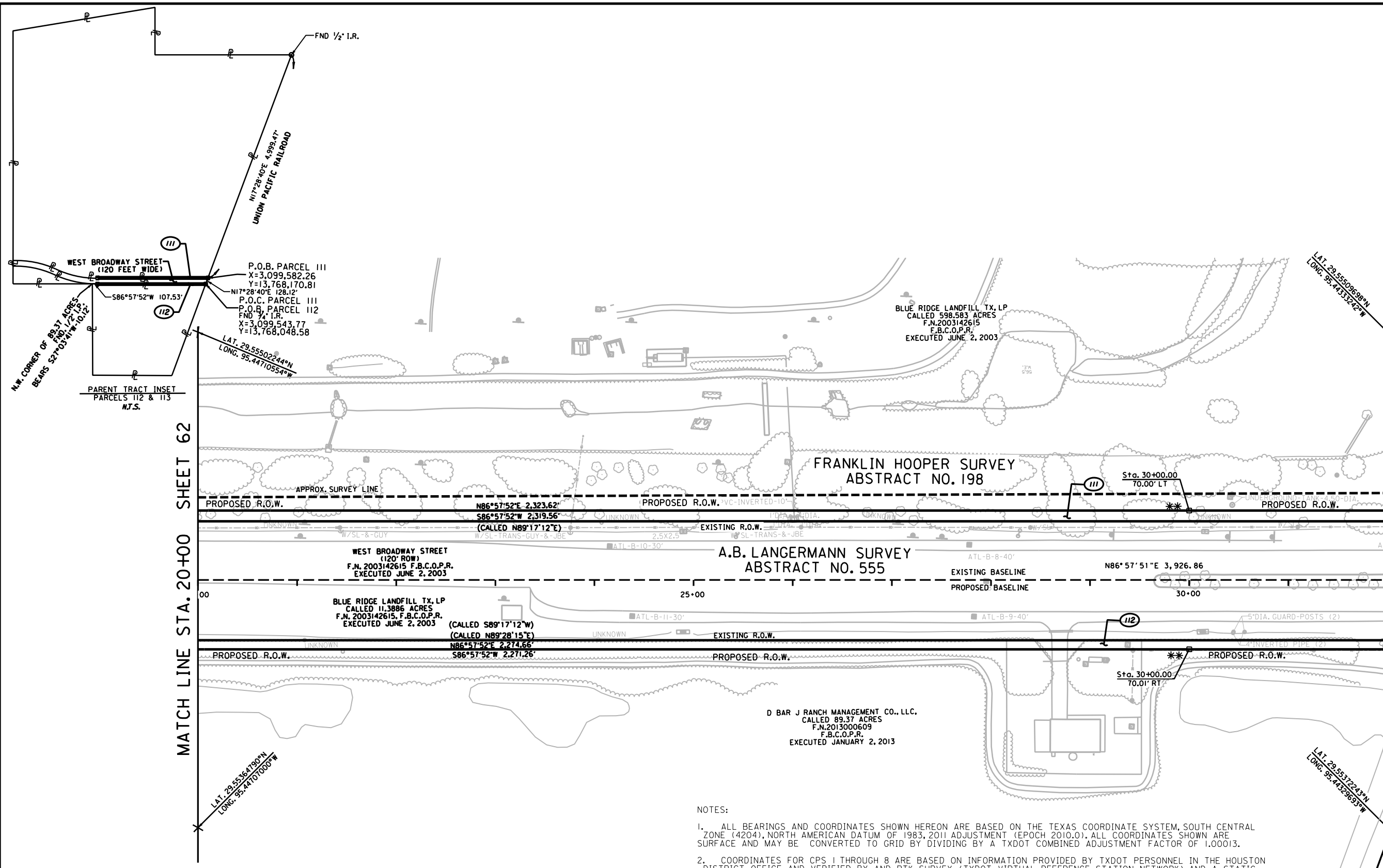
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.		
6	TEXAS		F.M. 521		
DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
12	FORT BEND	0111	03	066	62

I:\Prj\02694\01901\SUBMITTALS\1ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht62.dgn 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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MATCH LINE STA. 20+00 SHEET 62

MATCH LINE STA. 32+00 SHEET 46

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A.B. LANGERMANN SURVEY, A-555

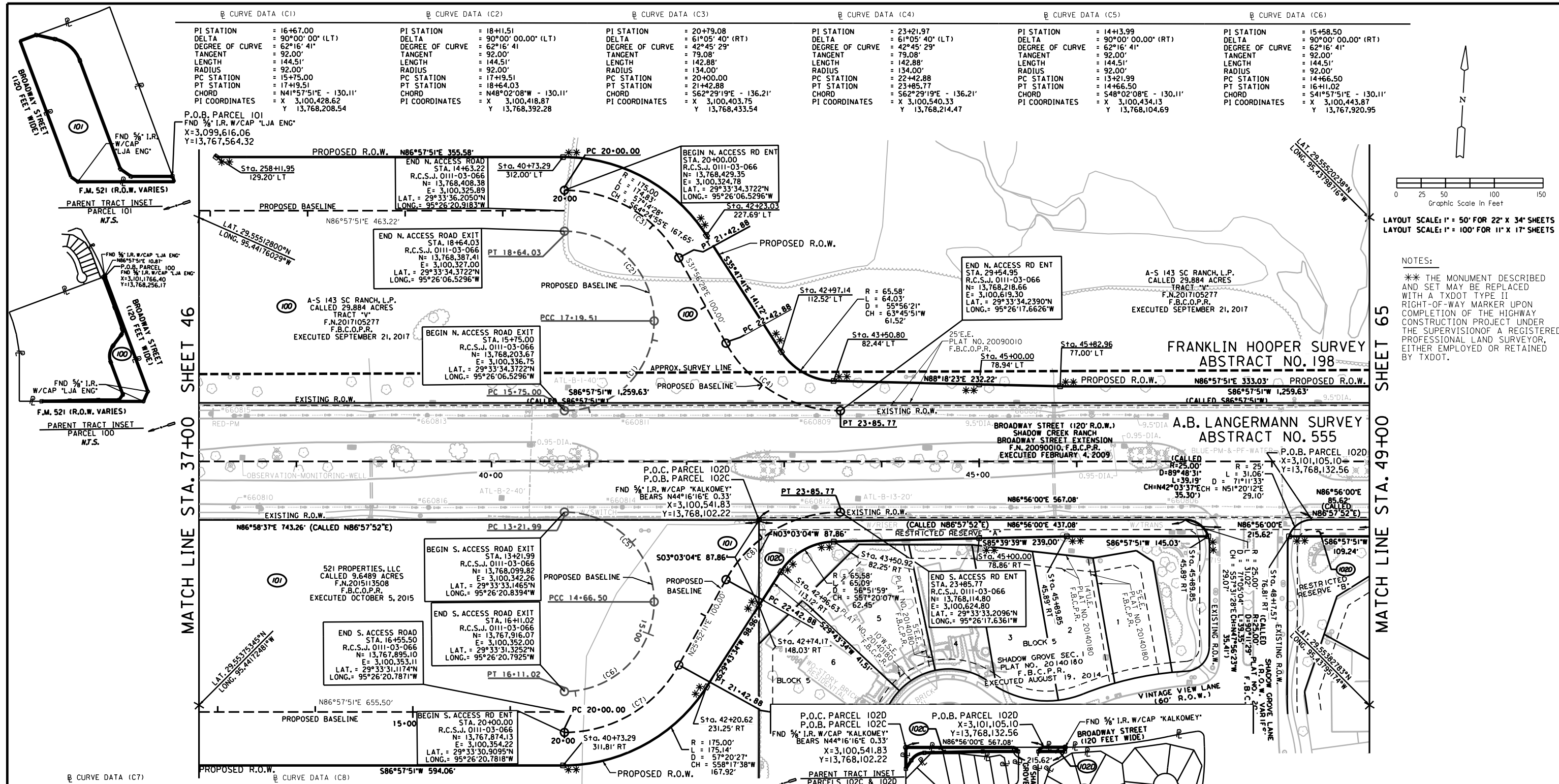
PARCEL NO.	EXIST. ACRES	LGT	BLOCK	OWNER	TYPE OF CONV.	RECORDING		TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER			LEFT	RIGHT
111	598.5833 AC.			BLUE RIDGE LANDFILL TX, LP.				0.5788 25,212	598.0045	
112	89.3773			D BAR J RANCH MANAGEMENT CO., LLC				0.4774 20,798	88.8996	

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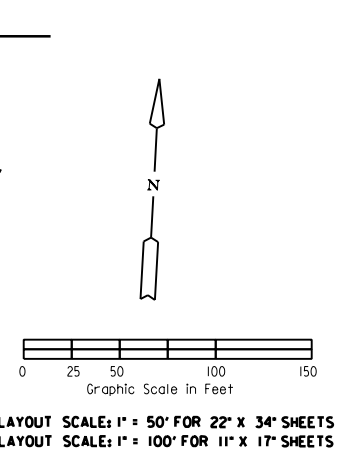
FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
JOB NO.	SHEET NO.		
066	63		



MATCH LINE STA. 37+00 SHEET 46

MATCH LINE STA. 49+00 SHEET 65

PI STATION	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	PC STATION	PT STATION	CHORD	PI COORDINATES
16+67.00	90°00'00" (LT)	62°16' 41"	92.00'	144.51'	92.00'	15+75.00	17+19.51	N41°57'51"E - 130.11'	X 3,100,428.62 Y 13,768,208.54
18+11.51	90°00'00.00" (LT)	62°16' 41"	92.00'	144.51'	92.00'	17+19.51	18+64.03	N48°02'08"W - 130.11'	X 3,100,418.87 Y 13,768,392.28
20+79.08	61°05' 40" (RT)	42°45' 29"	79.08'	142.88'	134.00'	20+00.00	21+42.88	S62°29'19"E - 136.21'	X 3,100,403.75 Y 13,768,433.54
23+21.97	61°05' 40" (LT)	42°45' 29"	79.08'	142.88'	134.00'	20+00.00	22+42.88	S62°29'19"E - 136.21'	X 3,100,540.33 Y 13,768,214.47
14+13.99	90°00'00.00" (RT)	62°16' 41"	92.00'	144.51'	92.00'	13+21.99	14+66.50	S48°02'08"E - 130.11'	X 3,100,434.13 Y 13,768,104.69
15+58.50	90°00'00.00" (RT)	62°16' 41"	92.00'	144.51'	92.00'	14+66.50	16+11.02	S41°57'51"E - 130.11'	X 3,100,443.87 Y 13,767,920.95



NOTES:
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PI STATION	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	PC STATION	PT STATION	CHORD	PI COORDINATES
20+79.08	61°05' 41" (LT)	42°45' 29"	79.08'	142.88'	134.00'	20+00.00	21+42.88	N56°25'01"E - 136.21'	X 3,100,433.19 Y 13,767,878.32
23+21.97	61°05' 41" (RT)	42°45' 29"	79.08'	142.88'	134.00'	22+42.88	23+85.77	N56°25'01"E - 136.21'	X 3,100,545.83 Y 13,768,110.61

PI STATION	DELTA	DEGREE OF CURVE	TANGENT	LENGTH	RADIUS	PC STATION	PT STATION	CHORD	PI COORDINATES
20+79.08	61°05' 41" (LT)	42°45' 29"	79.08'	142.88'	134.00'	20+00.00	21+42.88	N56°25'01"E - 136.21'	X 3,100,433.19 Y 13,767,878.32
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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.
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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 RIGHT
*** 100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4,1226	25.7617
** 101	9.6491 AC.			521 PROPERTIES LLC			4,5593	4.9899
** 102C	0.5635			KB HOME LONE STAR INC			0.2359	0.3276
** 102D	1.3459 AC.			KB HOME LONE STAR INC			10,277	1.3058
							0.0401	
							1,746	

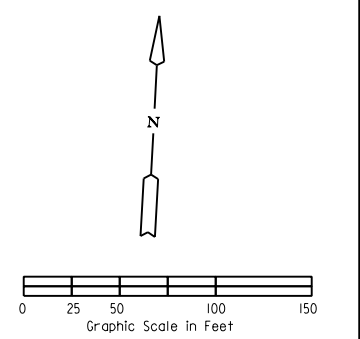
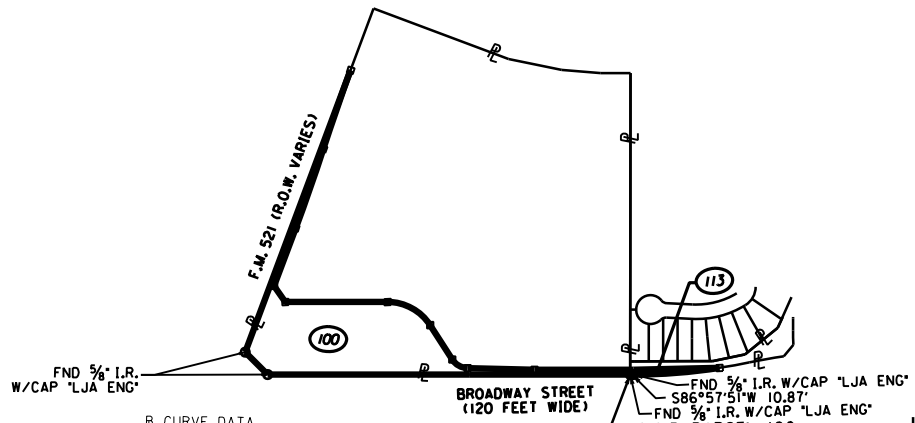
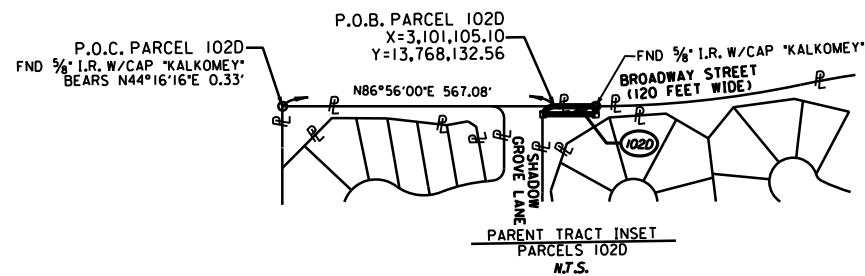
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Phone 713.953.5200
 Fax 713.953.5026
 T.B.P.L.S. Firm No. 10194382

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

I:\Prj\02694\01\SUBMITTALS\ST REDLINES RESUBMITTED 111819\FM521-ROW-Sht64.dgn 11/26/2019

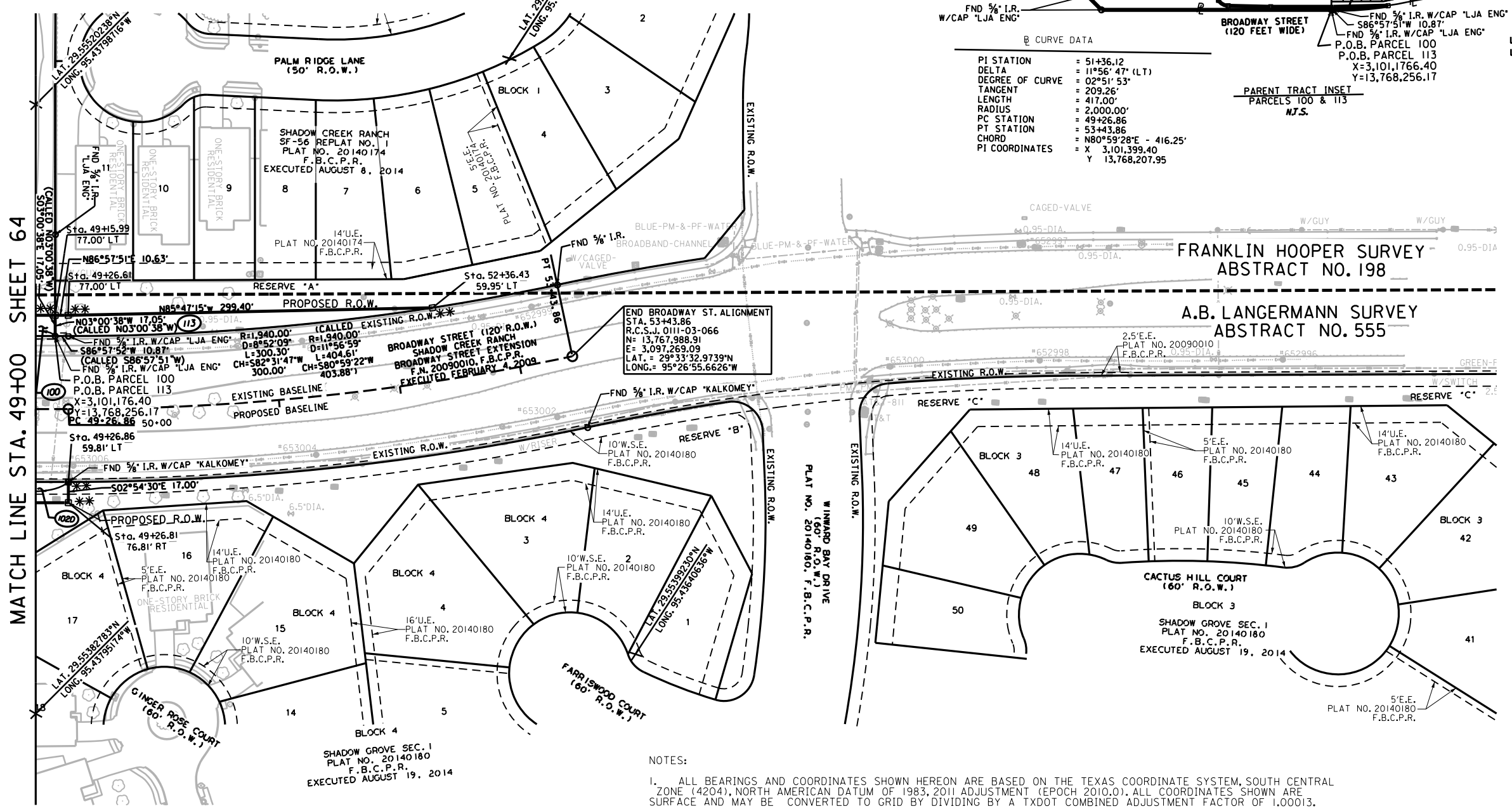


CURVE DATA

PI STATION	= 51+36.12
DELTA	= 11°56' 47" (LT)
DEGREE OF CURVE	= 02°51' 53"
TANGENT LENGTH	= 209.26'
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.

NOTES:
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MATCH LINE STA. 49+00 SHEET 64

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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	TOTAL TAKING AREA	REMAINDER ACRES	
						FILE NUMBER		LEFT	RIGHT
*** 100	29.8843 AC.			A-S 143 SC RANCH, L.P.			4,1226 179,581	25.7617	
** 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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6	TEXAS		F.M. 521
DIST.	COUNTY	CONTROL NO.	SECTION NO.
12	FORT BEND	0111	03
JOB NO.	SHEET NO.		
066	65		

MOTION

FM 521 North Project, #17113, Precinct 1

I move that Fort Bend County, by record vote, authorize the use of the power of eminent domain to acquire all needed right-of-way for 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 BY ADOPTION OF A RESOLUTION AND ORDER DECREERING THE ACQUISITION OF PROPERTY TO BE A PUBLIC NECESSITY AND AUTHORIZING THE ACQUISITION AND PAYMENT OF COMPENSATION for the public purpose of widening, aligning, construction, operation, drainage and maintenance of the Project.

Roll Call Vote:

	Yes	No
Precinct 1	<u> ✓ </u>	<u> </u>
Precinct 2	<u> ✓ </u>	<u> </u>
Precinct 3	<u> ✓ </u>	<u> </u>
Precinct 4	<u> ✓ </u>	<u> </u>
County Judge	<u> ✓ </u>	<u> </u>

Date of Vote February 9, 2021