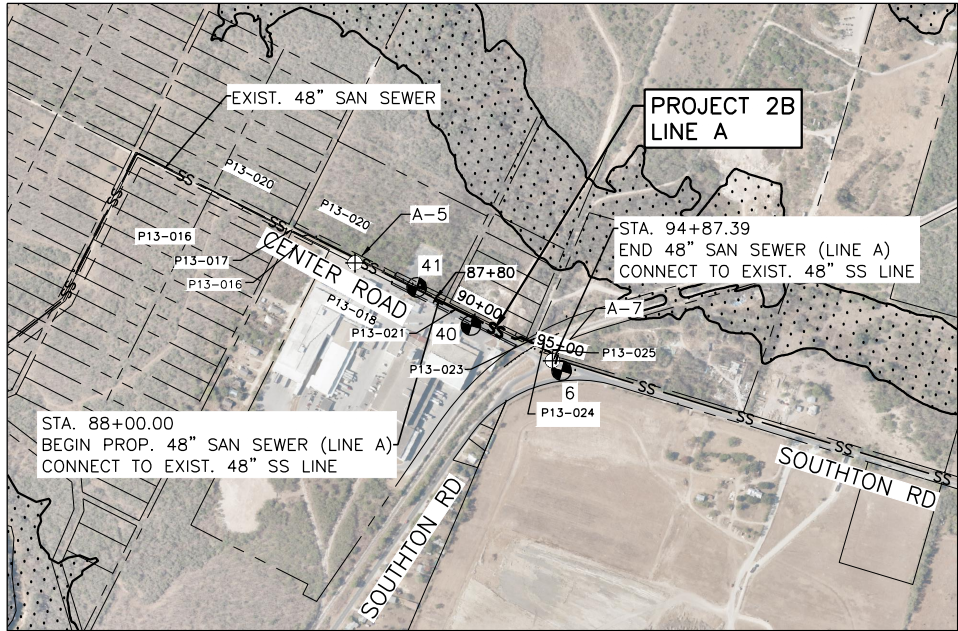
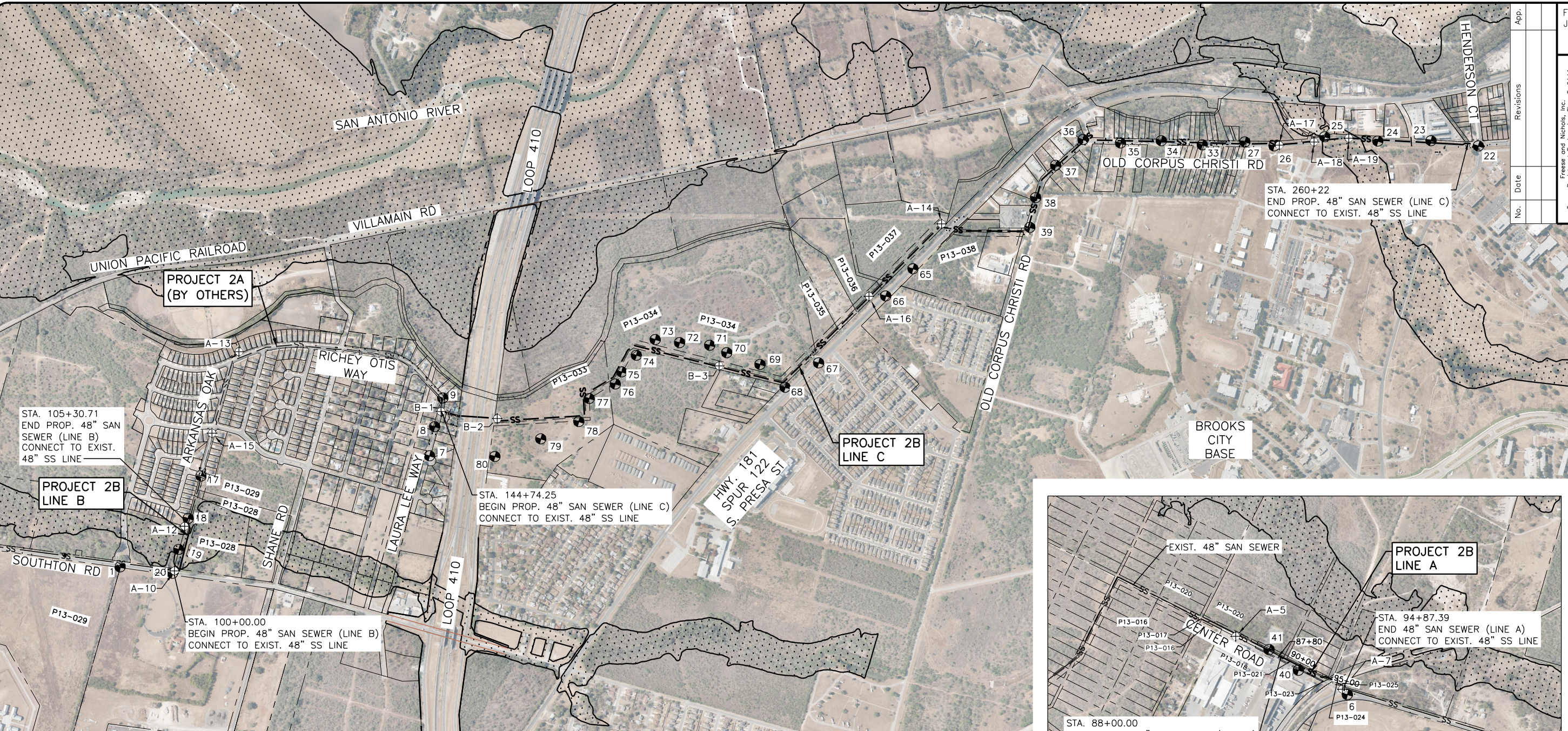


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GEOTECHNICAL BORES				
POINT NUMBER	NORTHING	EASTING	SURFACE ELEVATION	DRILLED DEPTH
A-5	13659217.14	2149776.27	537.08	20'
A-7	13660346.21	2149977.68	533.76	39'
A-10	13665107.43	2149700.84	541.92	40'
A-12	13665081.64	2149260.73	536.19	20'
A-13	13665114.94	2147499.31	544.74	20'
A-14	13671274.92	2144427.09	544.42	40'
A-15	13665084.08	2148325.76	556.55	40'
A-16	13670798.15	2145291.78	552.35	30'
A-17	13674188.98	2142790.02	556.69	35'
A-18	13674501.33	2142666.92	545.63	40'
A-19	13674813.82	2142537.66	548.32	35'
B-1	13667146.37	2147509.22	551.75	40'
B-2	13667686.01	2147423.02	547.66	40'
B-3	13669597.46	2146338.37	566.36	50'

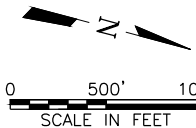
PROJECT CONTROL AND BENCHMARKS (CONT'D)				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	13664594.37	2149810.58	539.19	1/2" I.R.
6	13660407.14	2150014.68	539.07	MAG NAIL
7	13667159.52	2147950.61	560.39	MAG NAIL
8	13667129.05	2147667.64	557.80	MAG NAIL
9	13667126.76	2147379.75	547.27	MAG NAIL
17	13665098.8	2148751.95	552.76	MAG NAIL
18	13665093.51	2149178.85	539.17	1/2" I.R.
19	13665090.16	2149491.18	529.74	1/2" I.R.
20	13665096.45	2149728.45	541.42	1/2" I.R.
21	13676446.05	2142070.70	571.62	1/2" I.R.
22	13676034.50	2142262.12	567.66	MAG NAIL
23	13675581.47	2142341.21	564.11	1/2" I.R.
24	13675090.42	2142488.30	556.83	1/2" I.R.
25	13674587.59	2142590.30	544.72	CONCRETE NAIL
26	13674143.40	2142812.28	557.42	1/2" I.R.
27	13673862.37	2142853.06	554.42	1/2" I.R.
33	13673475.28	2142994.86	552.25	1/2" I.R.
34	13673085.68	2143066.52	552.10	1/2" I.R.
35	13672714.66	2143197.53	553.06	1/2" I.R.
36	13672358.45	2143266.62	551.83	1/2" I.R.

PROJECT CONTROL AND BENCHMARKS (CONT'D)				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
37	13672174.51	2143578.85	553.29	1/2" I.R.
38	13672075.46	2143931.06	554.82	1/2" I.R.
39	13672103.28	2144222.47	559.70	1/2" I.R.
40	13659888.35	2149920.05	538.33	MAG NAIL
41	13659562.12	2149809.19	536.41	MAG NAIL
65	13671131.38	2144919.24	554.62	1/2" I.R.
66	13670952.39	2145244.73	555.06	1/2" I.R.
67	13670510.78	2146044.56	568.49	1/2" I.R.
68	13670265.82	2146359.04	569.33	1/2" I.R.
69	13669973.09	2146215.20	567.85	1/2" I.R.
70	13669633.40	2146196.89	565.94	1/2" I.R.
71	13669455.15	2146173.89	564.49	1/2" I.R.
72	13669169.44	2146230.81	562.44	1/2" I.R.
73	13668935.34	2146267.00	557.90	1/2" I.R.
74	13668803.16	2146463.37	555.20	1/2" I.R.
75	13668712.32	2146657.39	550.42	1/2" I.R.
76	13668684.95	2146785.82	549.24	1/2" I.R.
77	13668483.51	2146990.10	551.78	1/2" I.R.
78	13668448.89	2147232.45	560.29	1/2" I.R.
79	13668144.23	2147494.38	558.47	1/2" I.R.
80	13667766.06	2147781.10	560.870	1/2" I.R.

LEGEND:



100 YEAR FLOOD PLAIN



Freese And Nichols, Inc.
Job No.
SWB11467

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

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Date: 5/26/2015
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Drawn by: DDH
Checked by: BCJ
Scale: AS SHOWN



SAN ANTONIO
WATER SYSTEM

SAWS JOB NO. 13-4510 (SS)
SAN ANTONIO RIVER OUTFALL PIPELINE,
PROJECT NO. 2B
PROJECT CONTROL & BENCHMARKS
PROJECT LAYOUT PLAN