CONTRACT DOCUMENTS
AND
SPECIFICATIONS
FOR
PROJECT NO. TMUA ES-2025-SOM2

SANITARY SEWER MANHOLE REHAB

ATTENDANCE AT PRE-BID CONFERENCE IS MANDATORY

CITY OF TULSA

WATER AND SEWER

Eric Lee, Director

Sewer Operations & Maintenance
9319 E 42nd St N
Tulsa, Oklahoma 74115
(918) 586-6952

TMUA PROJECT NO. ES 2025-SOM2

TULSA MANHOLE CONDITION ASSESSMENT

FINAL MANHOLE REHABILITATION SCHEDULE

							REHABILITATION METHOD																							
							COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - PAVED	
							STANDARD SPECIFICATION NO.																							
Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	ADDITIONAL INFORMATION
1	4-N	78	004-0054	2125 E Reading St	4.8	Non-Paved							1																	
2	5-N	219	005-0001	3251 N Peoria Ave	12.5	Non-Paved					1																169.7			Install Composite Cover
2	5-N	219	005-0041	1636 E 31 PL N	9.2	Paved											1													
2	5-N	219	005-0043	1740 E 31 Pl N	5.7	Non-Paved							1										1							
3	5-N	164	005-0077	1915 E 27 St N	7.5	Non-Paved												1												
3	5-N	164	005-0106	2730 N Rockford Ave	9.3	Non-Paved												1												
3	5-N	164	005-0119	2681 N Quincy Ave	7.4	Non-Paved												1												
3	5-N	164	005-0145	2611 N Trenton Ave	8.7	Non-Paved									1															
3	5-N	164	005-0154	2891 N Trenton Ave	15.8	Non-Paved									1												326.3			Install Composite Cover
2	5-N	219	005-0157	1339 Mowhawk Blvd	10.1	Non-Paved					1														1	1				Install Composite Cover
3	5-N	164	005-0170	1623 E Apache St	15.3	Non-Paved					1														1		315.8			Install Composite Cover
2	6-N	219	006-0002	3455 N Peoria Ave	12.3	Paved														1										
4	6-N	218	006-0045	3427 N Hartford Ave	6.2	Non-Paved	1	0.2																						
4	6-N	218	006-0067	3175 N Hartfor Pl	7.2	Paved								1																
4	6-N	218	006-0085	3206 N Garrison Ave	6.8	Non-Paved	1	0.8																						
4	6-N	218	006-0101	410 E 33 St N	10.1	Non-Paved							1											1						
4	6-N	218	006-0412	530 E 33 St N	12.5	Non-Paved																	1		1					
5	7-N	281	007-0040	3705 N Hartford Pl	7.2	Paved																	1							
5	7-N	281	007-0080	531 E 40 Pl N	8.9	Non-Paved												1												
5	7-N	281	007-0086	4032 N Elgin Ave	9.1	Non-Paved																1				1				
5	7-N	281	007-0088	4006 N Elgin Ave	4.8	Non-Paved													1											
5	7-N	281	007-0089	3912 N Elgin Ave	9.1	Non-Paved																	1			1				
5	7-N	281	007-0090	3902 N Elgin Ave	5	Non-Paved																	1			1				
5	7-N	281	007-0097	4014 N Frankfort Ave	4.4	Non-Paved																1								
5	7-N	281	007-0107	567 E 39 St N	8.32	Non-Paved	1	2.32																						
5	7-N	281	007-0108	540 E 40 St N	15.4	Non-Paved													1							1				
5	7-N	281	007-0109	540 E 40 St N	7.34	Non-Paved	1	1.34																						
5	7-N	281	007-0112	3929 N Elgin Ave	5.65	Non-Paved	1																							
5	7-N	281	007-0113	3917 N Elgin Ave	5.9	Non-Paved	1																							
5	7-N	281	007-0117	576 E 39 St N	7.8	Non-Paved																	1			1				
4	7-N	218	007-0129	3410 N Hartford Ave	5.4	Non-Paved											1													
4	7-N	218	007-0138	3248 N Garrison Ave	5.76	Paved	1																							
5	7-N	281	007-0147	3623 N Elgin Ave	5.83	Non-Paved	1																							
4	7-N	218	007-0176	374 E 36 St N	9.6	Non-Paved																			1	1				
4	7-N	218	007-0181	247 E 35 Pl N	15.7	Non-Paved																			1					
4	7-N	218	007-0182	247 E 35 Pl N	14.9	Non-Paved																			1					
4	7-N	218	007-0192	396 E 35 Pl N	5.8	Non-Paved							1																	
4	7-N	218	007-0197	465 E 35 Pl N	7.5	Non-Paved											1													
6	11-N	116	011-0053	2542 N Lansing Ave	5	Paved																1								
6	11-N	116	011-0054	2513 N Lansing Ave	7.5	Paved								1								1								
6	11-N	116	011-0070	2555 N Norfolk Ave	6.7	Non-Paved							1																	
6	11-N	116	011-0084	1216 E Apache St	10.4	Non-Paved											1													
6	11-N	116	011-0096	2528 N Norfolk Ave	7.6	Non-Paved															108.4									
7	11-N	163	011-0154	2708 N Kenosha Ave	5.6	Paved												1												
7	11-N	163	011-0155	738 E 28 St N	8.6	Non-Paved							1								120.7		1							
7	11-N	163	011-0170	2811 N Hartford Ave	7.7	Non-Paved					1																			
7	11-N	163	011-0183	636 E 30 St N	9.6	Paved												1												
7	11-N	163	011-0230	214 E 27 Ct N	6.7	Non-Paved															96.8									
7	11-N	163	011-0252	534 E 27 Ct N	7.8	Non-Paved																	1			1				
7	11-N	163	011-0254	549 E 27 Pl N	6.2	Paved	1	0.2																						
7	11-N	163	011-0296	1030 E Mowhawk Blvd	20.4	Non-Paved																			1	1	411.9			Install Composite Cover
7	11-N	163	011-0299	2715 N Madison Ave	20.5	Non-Paved					1													1	1		415.5			Install Composite Cover
7	11-N	163	011-0303	2700 N Madison Ave	17.5	Non-Paved					1														1	1	358.8			Install Composite Cover
7	11-N	163	011-0305	2700 N Madison Ave	22.5	Non-Paved									1										1	1	451.7			Install Composite Cover
7	11-N	163	011-0308	900 E Apache St	17.7	Non-Paved					1												1	1			361			Install Composite Cover
7	11-N	163	011-0327	2965 N Lansing Pl	14.3	Paved								1											1	1				
7	11-N	163	011-0333	3044 N Lansing Pl	11.3	Non-Paved							1																	
7	11-N	163	011-0341	2621 N Madison Ave	7.6	Paved												1												
7	11-N	163	011-0342	2660 N Madison Ave	7.7	Paved										1														Install Composite Cover
7	11-N	163	011-0343	1011 E 27 St N	9.3	Paved										1														Install Composite Cover
4	11-N	218	011-0346	3222 N Peoria Ave	13.9	Non-Paved							1												1		237.2			
7	11-N	163	011-0349	262 E 29 St N	9.1	Non-Paved							1												1					
8	12-N	117	012-0189	1317 E Xyler St	6.9	Paved						1																		
9	12-N	77	012-0224	1628 N Norfolk Ave	8.91	Non-Paved	1	2.91																						
9	12-N	77	012-0264	755 E Pine Pl	8.3	Non-Paved							1								117.2									
9	12-N	77	012-0269	1048 E Queen St	9	Non-Paved							1										1			1				
9	12-N	77	012-0532	218 E Reading St	7.8	Non-Paved							1																	

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							STANDARD SPECIFICATION NO.																								
Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	ADDITIONAL INFORMATION
10	13-N	282	013-0022	1613 E 36 St N	14	Non-Paved					1								1				1							Install Composite Cover
10	13-N	282	013-0024	1611 E 36 St N	11.7	Non-Paved					1								1											Install Composite Cover
11	14-N	354	014-0014	2675 E 41 St N	8	Non-Paved					1										113.1									Install Composite Cover
12	14-N	283	014-0164	3689 N Atlanta Ave	18.9	Non-Paved					1														1					
13	14-N	220	014-0173	3346 E 34 St N	13.6	Non-Paved							1												1					
14	14-N	284	014-0180	3645 N Harvard Ave	13.7	Non-Paved					1																			
13	15-N	220	015-0030	2801 E 32 St N	14.5	Paved														1						1				
13	15-N	220	015-0033	2900 E 32 St N	25.6	Non-Paved											1		1							1				
13	15-N	220	015-0039	3116 E 31 St N	14.6	Non-Paved					1																			Install Composite Cover
13	15-N	220	015-0040	3165 E 31 St N	13.4	Non-Paved									1															Install Composite Cover
15	15-N	165	015-0056	2976 N Florence Ave	6.6	Non-Paved									1															
13	15-N	220	015-0143	3321 N Atlanta Ct	4.15	Non-Paved	1																							
13	15-N	220	015-0151	3313 N Atlanta Pl	8.6	Non-Paved											1													
15	15-N	165	015-0192	2439 E 30 Pl N	8.2	Non-Paved							1												1					
15	15-N	165	015-0228	2446 E 29 St N	7.4	Non-Paved					1												1							
15	15-N	165	015-0242	2514 E 27 St N	5.7	Non-Paved	1																							
13	15-N	220	015-0279	3411 N Columbia Ave	6.4	Non-Paved							1																	
16	15-N	118	015-0304	3165 E Young St	11.3	Non-Paved							1												1					
16	15-N	118	015-0305	3133 E Young St	5.2	Non-Paved							1											1						
17	20-N	162	020-0030	2711 N Boston Pl	6.4	Non-Paved														1						1				
18	20-N	76	020-0148	1920 N Cheyenne Ave	7.9	Non-Paved	1	1.9																						
18	20-N	76	020-0204	1945 N Main St	10.35	Non-Paved	1	4.35																						
18	20-N	76	020-0217	1927 N Cheyenne Ave	8.4	Non-Paved							1													1				
19	20-N	45	020-0463	1205 N Boston Ave	9	Non-Paved	1	3																						
20	20-N	75	020-0550	1445 N Nogales Ave	17.4	Non-Paved																			1					
21	24-N	615	024-0044	5904 N Atlanta Ct	6.5	Paved								1																
22	24-N	717	024-0080	2172 E 63 St N	9.1	Non-Paved							1																	
22	24-N	717	024-0088	2005 E 63 St N	5.3	Non-Paved							1																	
22	24-N	717	024-0114	6174 N Lewis Ave	7.15	Non-Paved	1	1.15																						
23	24-N	614	024-0134	6015 N Xanthus Ave	8.7	Paved																			1					
22	24-N	717	024-0159	6512 N Xanthus Ave	10.1	Non-Paved													1											
22	24-N	717	024-0185	1721 E 63 St N	8.1	Paved								1																
24	24-N	520	024-0204	2984 E 56 St N	8.9	Non-Paved							1														124.7			
23	24-N	614	024-0207	2107 E 56 St N	11.5	Non-Paved																			1	1				
25	24-N	519	024-0209	2202 E 56 St N	15.9	Non-Paved																		1	1					
25	24-N	519	024-0210	2004 E 56 St N	17.9	Non-Paved							1												1					
25	24-N	519	024-0216	1602 E 56 St N	8.9	Non-Paved							1																	
25	24-N	519	024-0220	1420 E 56 St N	5.8	Non-Paved							1												1					
25	24-N	519	024-0229	2202 E 56 St N	8.2	Non-Paved							1												1					
25	24-N	519	024-0242	1804 E 56 St N	23.6	Non-Paved					1														1					
26	87-N	176	087-0041	10215 E 5th St	8.1	Non-Paved	1	2.1																						
26	87-N	176	087-0079	10235 E 7th St	18.5	Non-Paved					1												1				288.4			
26	87-N	176	087-0089	10151 E 11 St	18.5	Non-Paved					1												1				310.3			
26	87-N	176	087-0085	527 S 104 E Ave	9.5	Non-Paved					1															1				
27	87-N	177	087-0117	1102 S Garnett Rd	17.3	Non-Paved																	1			1	291.4			
27	87-N	177	087-0156	1117 E Skelly Dr	7.5	Non-Paved									1											1				
28	87-N	234	087-0204	1245 S Garnett Rd	13.6	Non-Paved					1												1				199.9			
28	87-N	234	087-0259	12213 E 13 Pl	8	Non-Paved	1	2																						
29	87-N	233	087-0353	950 S 129 E Ave	2.7	Paved	1																							
26	87-N	176	087-0361	1020 S Garnett Rd	12.7	Non-Paved					1															1				
29	87-N	233	087-0441	11728 E 5th St	6.6	Non-Paved	1	0.6																						
26	87-N	176	087-0466	741 S 101 E Ave	9.5	Paved										1					132									
26	87-N	176	087-0472	10324 E 6th St	9.8	Non-Paved					1										145.1	1								
26	87-N	176	087-0473	10518 E 6 St	14.7	Non-Paved					1										201.7									
26	87-N	176	087-0491	10564 E 5 St	10.4	Non-Paved									1															
26	87-N	176	087-0494	528 S 108 E Ave	8.7	Non-Paved							1								119.1									
26	87-N	176	087-0495	10590 E 5 St	10.4	Non-Paved					1										143.3									
29	87-N	233	087-0542	11537 E 7 St	5.3	Non-Paved					1															1				
30	87-N	175	087-0641	37 S 108 E Ave	8.2	Non-Paved					1										115.7		1							
27	87-N	177	087-0677	11188 E Skelly Dr	5.4	Paved												1								1				
28	87-N	234	087-0723	1330 S 119 E Ave	15.6	Non-Paved																	1			1				
28	87-N	234	087-0726	1330 S 119 E Ave	19.1	Non-Paved																1				1				
29	87-N	233	087-0739	12120 E Skelly Dr	8.3	Non-Paved					1														1					
29	87-N	233	087-0744	12529 E 7th St	6.9	Non-Paved					1														1	1				
29	87-N	233	087-0745	655 S 127 E Ave	9.5	Non-Paved					1														1	1				
29	87-N	233	087-0746	707 S 127 E Ave	4.8	Non-Paved					1														1	1				Install Composite Cover
29	87-N	233	087-0749	655 S 127 E Ave	5.8	Non-Paved					1														1	1				

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FINAL MANHOLE REHABILITATION SCHEDULE

Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE Fc REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE Fc REPAIR (EA) - PAVED	ADDITIONAL INFORMATION
							REHABILITATION METHOD																						
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							416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	
29	87-N	233	087-0751	445 S 127 E Ave	8.2	Non-Paved					1														1	1				
29	87-N	233	087-0753	450 S 129 E Ave	11.4	Non-Paved					1														1	1				
31	87-N	299	087-0791	1437 S 129 E Ave	8.9	Non-Paved					1												1			1				
29	87-N	233	087-0821	1040 S 127 E Ave	8.1	Paved								1											1	1				
31	87-N	299	087-0850	1213 S 129 E Ave	11.1	Non-Paved											1									1				
32	91-N	128	091-0002	1213 S 87 E Ave	17	Non-Paved					1											1					226.2			
32	91-N	128	091-0035	1415 S Memorial Dr	9.1	Paved																	1		1	1			1	
33	91-N	87	091-0043	1242 S Memorial Dr	11.2	Non-Paved					1										153.4	1								
34	91-N	88	091-0072	7424 E 15 St	11.7	Non-Paved																1								
34	91-N	88	091-0089	1519 S 76 E Ave	13.5	Non-Paved					1										182.3		1							
34	91-N	88	091-0099	1717 S 75 E Ave	7.7	Non-Paved					1										111.9									
34	91-N	88	091-0122	6957 E 17 St	8.3	Non-Paved					1										111.5									
34	91-N	88	091-0126	1531 S 69 E Ave	12.7	Non-Paved															172.2									
34	91-N	88	091-0130	1621 S 69 E Ave	9.2	Non-Paved					1										128.2									
34	91-N	88	091-0136	1720 S 68 E Pl	10.9	Paved						1									149.6									Install Composite Cover
34	91-N	88	091-0140	1559 S 68 E Ave	8.3	Non-Paved					1										116.9									
34	91-N	88	091-0141	1533 S 68 E Ave	10.6	Non-Paved					1										145.8									
34	91-N	88	091-0148	1509 S 67 E Ave	16.2	Non-Paved									1						221									
34	91-N	88	091-0156	6603 E 19 St	14.4	Non-Paved					1										202.2									
34	91-N	88	091-0157	6602 E 19 St	5.9	Paved								1												1				
35	91-N	55	091-0167	1700 S Sheridan Rd	4.3	Paved																			1	1				
35	91-N	55	091-0176	1906 S Sheridan Rd	9.1	Non-Paved					1											1				1				
34	91-N	88	091-0181	2020 S 69 E Ave	8.5	Non-Paved					1										122.2									
36	91-N	89	091-0210	2301 S Sheridan Rd	8.4	Paved															120.9									
36	91-N	89	091-0216	2310 S Sheridan Rd	8.6	Non-Paved					1										126.3									
37	91-N	56	091-0228	5905 E 24 St	5.3	Non-Paved															79.2	1								
37	91-N	56	091-0249	2118 S Maplewood Ave	12.1	Non-Paved											1						1			1				
36	91-N	89	091-0265	6597 E 24 St	4.9	Non-Paved							1													1				
34	91-N	88	091-0284	2016 S 71 E Ave	11.1	Non-Paved															152.1									
34	91-N	88	091-0301	2018 S 74 E Ave	6	Non-Paved					1												1							
34	91-N	88	091-0303	6978 E 20 Pl	7.8	Non-Paved															110.6									
34	91-N	88	091-0304	2062 S 71 E Ave	7.9	Non-Paved					1										111.9									
34	91-N	88	091-0305	2068 S 71 E Ave	6.8	Non-Paved															98.1									
34	91-N	88	091-0307	2090 S 71 E Ave	8.5	Non-Paved																			1					
34	91-N	88	091-0310	7129 E 21 St	11.5	Non-Paved															157.1									
34	91-N	88	091-0316	6944 E 20 Pl	6.5	Non-Paved					1										89.9									
34	91-N	88	091-0317	2045 S 69 E Pl	7.8	Non-Paved					1										110.6									
34	91-N	88	091-0320	2033 S 69 E Pl	7.6	Non-Paved					1										108.1		1							
34	91-N	88	091-0330	7416 E 20 Pl	8.8	Non-Paved					1										123.2									
36	91-N	89	091-0336	7309 E 21 Pl	8.4	Non-Paved					1										118.2									
36	91-N	89	091-0355	7407 E 21 Pl	7.8	Non-Paved					1											1				1				
36	91-N	89	091-0356	7407 E 21 Pl	7.8	Non-Paved													1			1				1				
36	91-N	89	091-0379	7602 E 22 Pl	9.8	Non-Paved													1		135.8									
36	91-N	89	091-0380	7522 E 22 Pl	9.2	Non-Paved															128.2	1								
36	91-N	89	091-0381	7722 E 21 St	3.6	Non-Paved															57.9									
36	91-N	89	091-0388	2175 S 77 E Ave	16.3	Non-Paved															217.4									
36	91-N	89	091-0401	7805 E 21 Pl	9.5	Paved										1					132									
33	91-N	87	091-0433	1236 S 77 E Ave	8	Non-Paved																	1		1					
33	91-N	87	091-0439	1308 S 76 E Ave	7.8	Non-Paved																			1					
33	91-N	87	091-0449	1225 S 74 E Ave	12.5	Non-Paved															169.7									
33	91-N	87	091-0459	7402 E 13 St	9.8	Non-Paved																			1	1				
32	91-N	128	091-0470	1444 S 83 E Ave	8.3	Non-Paved					1										116.9									
32	91-N	128	091-0474	1415 S Memorial Dr	8.6	Paved										1										1				
34	91-N	88	091-0486	1602 S Memorial Dr	11.5	Paved												1				1				1				
34	91-N	88	091-0487	1602 S Memorial Dr	11.4	Paved															155.9									
34	91-N	88	091-0488	1735 S 79 E Ave	10.3	Non-Paved							1								142									
36	91-N	89	091-0558	6555 E 21 Pl	10.7	Non-Paved																			1	1				
34	91-N	88	091-0595	6714 E 17 St	11.3	Non-Paved					1										154.6									
33	91-N	87	091-0610	7415 E 15 St	9.7	Non-Paved					1															1				
38	92-N	54	092-0001	1214 S Norwood Ave	18.1	Non-Paved					1										240.1		1							
38	92-N	54	092-0002	1234 S Norwood Ave	9.2	Non-Paved															131.2									
38	92-N	54	092-0010	6252 E 13 St	19.9	Non-Paved					1										262.7		1							
35	92-N	55	092-0032	5788 E 15 St	9.4	Non-Paved															136.7	1								
35	92-N	55	092-0057	1749 S Maplewood Ave	4.9	Non-Paved							1								74.2									
37	92-N	56	092-0137	2149 S Darlington Ave	12.3	Non-Paved					1										170.9									
35	92-N	55	092-0159	5444 E 19 St	12.6	Non-Paved					1										171	1								
35	92-N	55	092-0184	5524 E 15 St	12.9	Paved						1									186.5	1								

TMUA PROJECT NO. ES 2025-SOM2

TULSA MANHOLE CONDITION ASSESSMENT

FINAL MANHOLE REHABILITATION SCHEDULE

REHABILITATION METHOD

Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE R REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE R REPAIR (EA) - PAVED	ADDITIONAL INFORMATION
							STANDARD SPECIFICATION NO.																					
							416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	
35	92-N	55	092-0187	1701 S Yale Ave	16	Non-Paved					1										213.7									
35	92-N	55	092-0194	5103 E 21 St	15.2	Non-Paved					1										203.6									
35	92-N	55	092-0210	5317 E 17 St	9.5	Non-Paved					1										132	1								
39	92-N	30	092-0251	1700 S Yale Ave	13.6	Paved						1									183.5	1								
39	92-N	30	092-0252	1830 S Yale Ave	12.4	Paved						1									168.4									
39	92-N	30	092-0254	1946 S Yale Ave	6.3	Paved									1						91.8									
40	92-N	31	092-0275	4609 E 23 St	4.7	Non-Paved					1										71.7									
40	92-N	31	092-0276	4720 E 21 St	8.6	Non-Paved											1				112.4									
38	92-N	54	092-0304	1303 S Darlington ave	10.1	Non-Paved					1										142.7									
35	92-N	55	092-0378	5788 E 15 St	9.9	Non-Paved															140.1									
35	92-N	55	092-0418	5520 E 15 St	10.7	Paved						1									147.1									
41	95-N	86	095-0027	7440 E 7 St	13.9	Non-Paved																1				1	238			
33	95-N	87	095-0037	6935 E 12 St	14.9	Non-Paved					1										204.3	1								
33	95-N	87	095-0038	6934 E 11 St	11.6	Non-Paved					1										158.4		1							
33	95-N	87	095-0042	6728 E 11 St	8.6	Paved										1														
33	95-N	87	095-0045	6902 E 11 St	9	Non-Paved															125.7	1								
33	95-N	87	095-0046	6746 E 11 St	12.3	Non-Paved																1								
33	95-N	87	095-0073	1448 S 73 E Ave	10.9	Non-Paved					1																149.6			
33	95-N	87	095-0091	6717 E 13 St	7.5	Paved										1										1				
33	95-N	87	095-0111	1227 S Sheridan Rd	8	Non-Paved																1								
41	95-N	86	095-0126	710 S 73 E Ave	5.4	Non-Paved					1										80.5									Install Composite cover
41	95-N	86	095-0145	510 S 76 E Ave	9.7	Non-Paved																1				1				
41	95-N	86	095-0153	528 S 78 E Ave	8.6	Non-Paved					1										120.7									
41	95-N	86	095-0158	7814 E 6 St	5	Non-Paved															75.4		1							
41	95-N	86	095-0164	547 S 79 E Ave	4.8	Non-Paved															72.9		1							
41	95-N	86	095-0168	517 S 80 E Ave	3.7	Non-Paved							1								59.1		1							
41	95-N	86	095-0176	7143 E 6 St	13	Non-Paved					1																176			
41	95-N	86	095-0189	493 S 69 E Ave	12.9	Non-Paved															186.5									
41	95-N	86	095-0196	6947 E 7 St	9.5	Non-Paved					1										132									Install Composite cover
41	95-N	86	095-0212	6742 E 6 St	9.2	Non-Paved					1										128.2	1								Install Composite cover
41	95-N	86	095-0213	6742 E 6 St	9.7	Non-Paved					1										134.5	1								Install Composite cover
41	95-N	86	095-0219	6548 E 7 St	17.2	Non-Paved							1								228.8		1							
41	95-N	86	095-0222	715 S Sheridan Rd	13.2	Non-Paved															154.8									
41	95-N	86	095-0235	6747 E 8 St	9.9	Non-Paved															137.0	1								
41	95-N	86	095-0236	6916 E 7 St	12.8	Non-Paved					1										177.3									
41	95-N	86	095-0242	6726 E 8 St	10.5	Non-Paved					1										144.6									
41	95-N	86	095-0262	6747 E 5 Pl	8	Non-Paved					1										126.4									
42	95-N	85	095-0274	6721 E 4 Pl	11.8	Non-Paved					1										160.9		1							
42	95-N	85	095-0275	436 S 69 E Ave	5.3	Non-Paved															81.1									
42	95-N	85	095-0289	6618 E Admiral Pl	7.1	Paved																	1							
43	95-N	52	095-0317	220 S Sheridan Rd	8.2	Paved												1								1				
44	95-N	53	095-0336	6313 E 7 St	11.3	Paved								1							165.1									
38	95-N	54	095-0352	6110 E 11 St	17	Non-Paved																1					226.2			
38	95-N	54	095-0357	5961 E 12 St	6.9	Non-Paved					1										108.7									Install Composite Cover
38	95-N	54	095-0374	1124 S Hudson Ave	10	Non-Paved															138.3									
38	95-N	54	095-0390	1125 S Norwood Ave	8.3	Paved																	1			1				
38	95-N	54	095-0392	6410 E 11 St	9.6	Non-Paved															121.2									
44	95-N	53	095-0398	6119 E 11 St	9.4	Paved												1												
44	95-N	53	095-0420	5734 E 7th St	5.1	Non-Paved					1										80.4									
44	95-N	53	095-0456	710 S Maplewood Ave	7.7	Non-Paved															111.9									
44	95-N	53	095-0454	736 S Maplewood Ave	6	Non-Paved															79.7									
44	95-N	53	095-0468	5930 E 5 Pl	4.9	Non-Paved					1												1			1				
44	95-N	53	095-0489	522 S Sheridan Rd	9.6	Paved															133.3									
44	95-N	53	095-0497	507 S Norwood Ave	9.2	Non-Paved							1								131.2									
43	95-N	52	095-0582	5946 E 4 St	3.6	Non-Paved					1										54.9	1								
43	95-N	52	095-0586	5902 E 3 St	5.7	Non-Paved															80.2									
44	95-N	53	095-0614	5359 E 5 St	7.7	Non-Paved							1								101.8		1							
41	95-N	86	095-0666	6948 E 6 St	9.4	Non-Paved					1										130.7	1								Install Composite Cover
41	95-N	86	095-0668	6948 E 6 St	9.1	Non-Paved					1											1					203.2			
41	95-N	86	095-0670	6742 E 6 St	10	Non-Paved					1											1					213.2			
41	95-N	86	095-0676	7440 E 7 St	19.6	Paved																					397.8			
41	95-N	86	095-0680	7440 E 7 St	11.5	Non-Paved					1																200.3			Install Composite Cover
41	95-N	86	095-0681	7440 E 7 St	12.1	Non-Paved					1																268.7			
41	95-N	86	095-0683	7668 E 7 St	17.5	Non-Paved					1											1				1				
33	95-N	87	095-0701	1111 S Sheridan Rd	4.9	Non-Paved							1								74.2									
41	95-N	86	095-0714	6547 E 6 St	10.2	Paved																					238.8			
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SHEET 1

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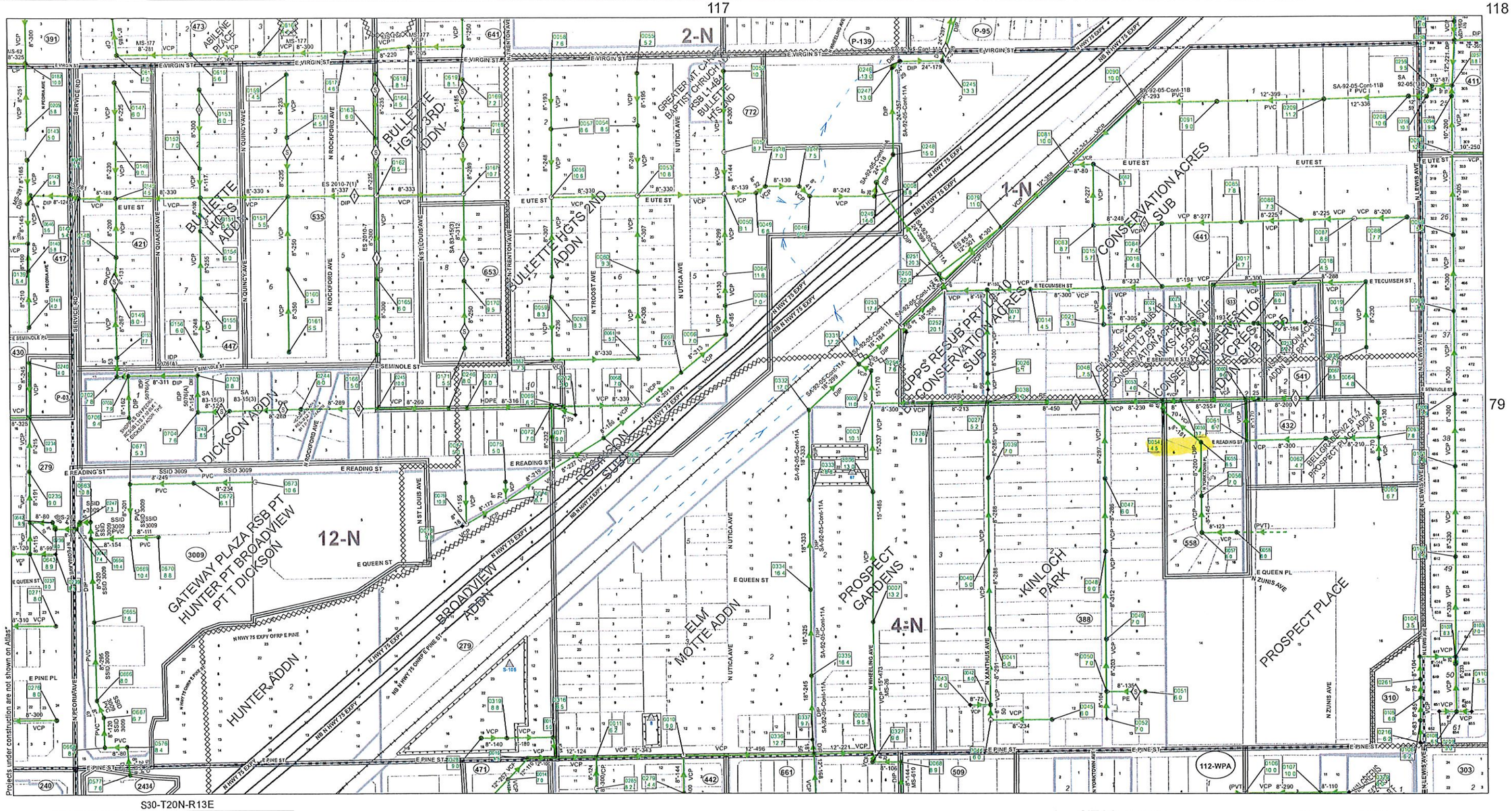
77 79



Projects under construction are not shown on Atlas*

S30-T20N-R13E

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UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

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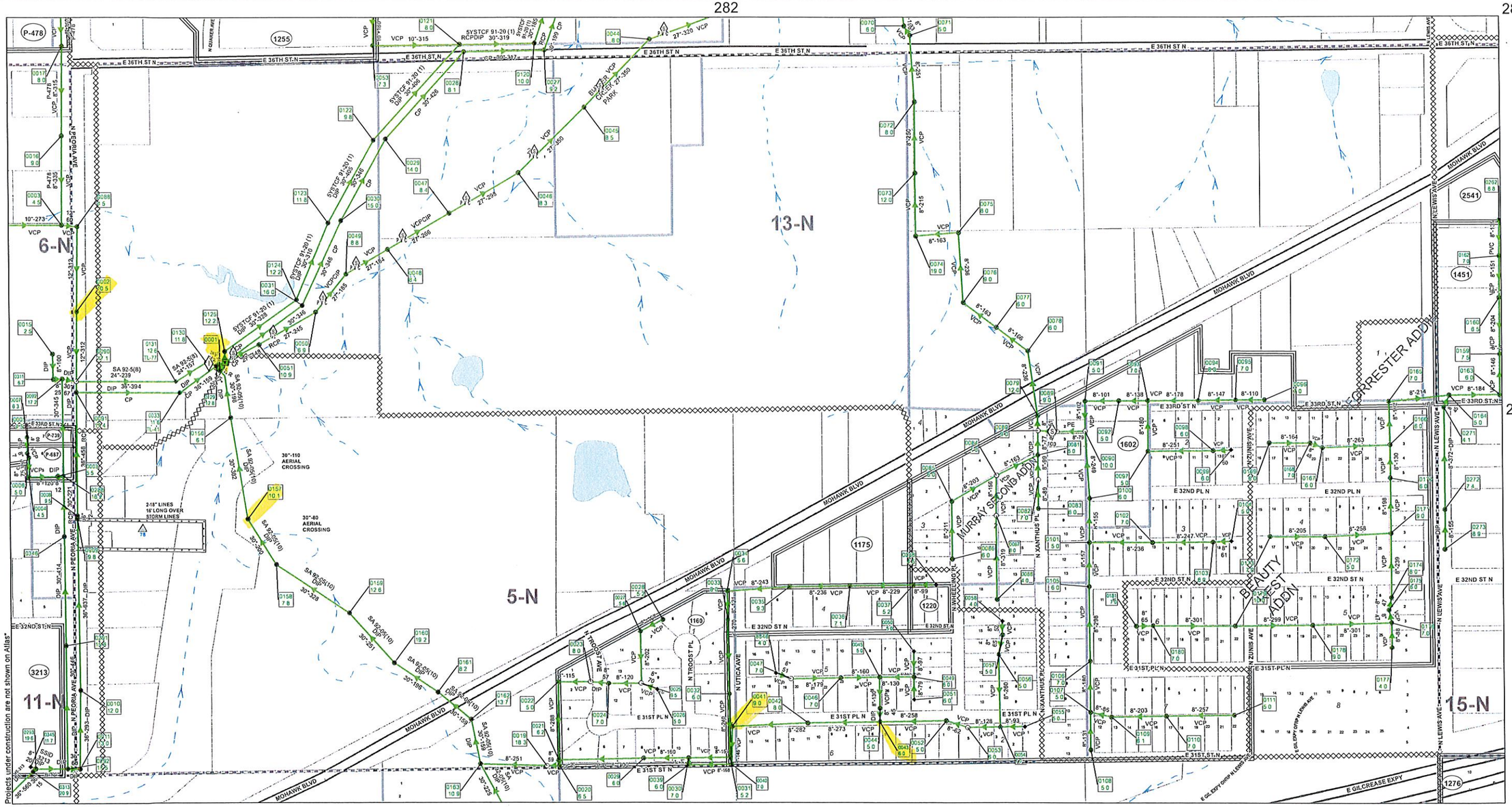

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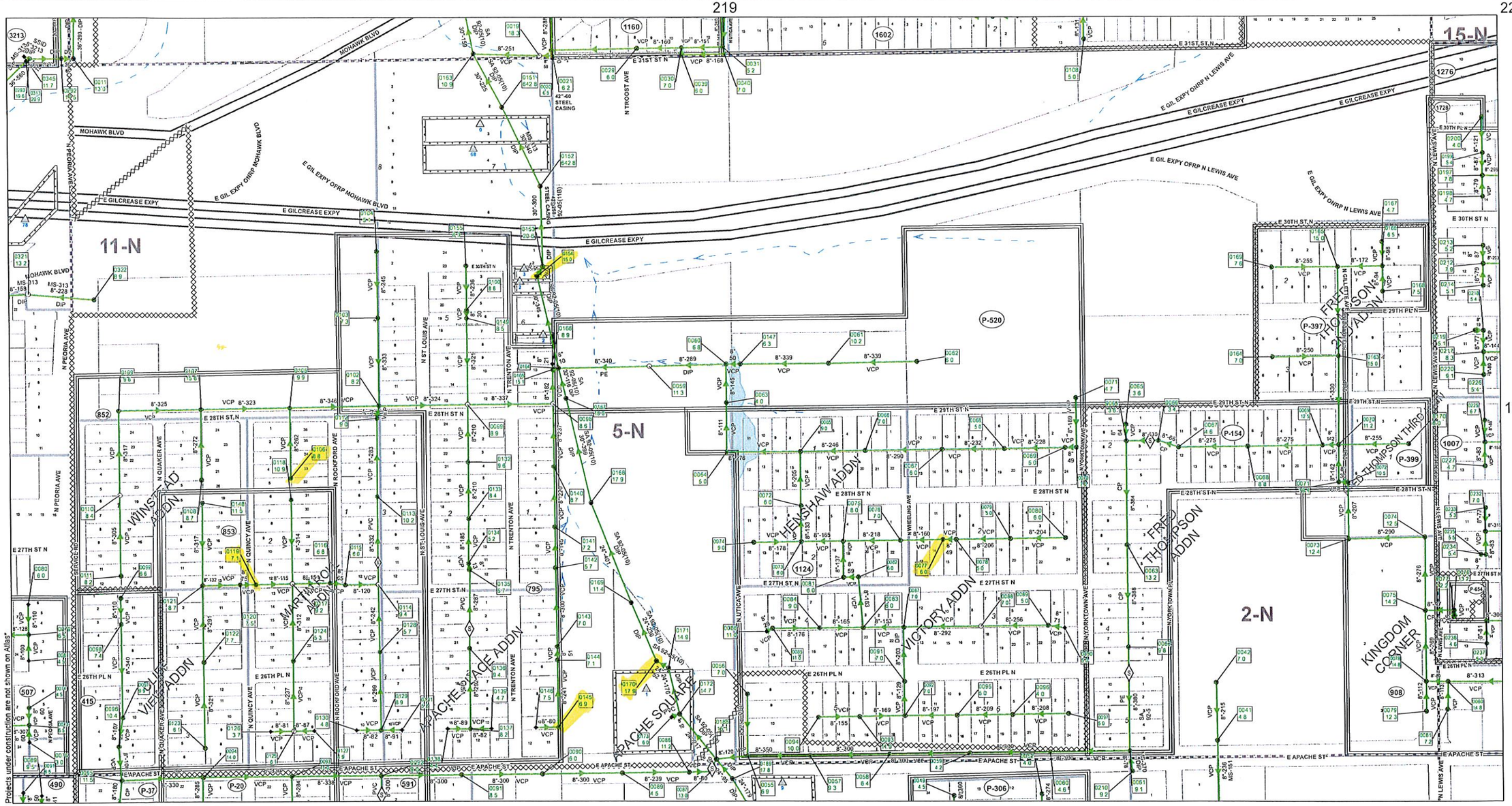
CITY OF TULSA
WASTEWATER ATLAS

SHEET 3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5-N
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MOHAWK BLVD
E GILCREASE EXPY
E GIL EXPY OVRP MOHAWK BLVD
E GIL EXPY OVRP N LEWIS AVE
E 31ST ST N
E 30TH ST N
E 29TH ST N
E 28TH ST N
E 27TH ST N
E 26TH PL N
E APACHE ST
N PEORIA AVE
N QUAKER AVE
N ROCKFORD AVE
N ST LOUIS AVE
N TRENTON AVE
N WHELLING AVE
N YORKTOWN AVE
N LEWIS AVE
N TROOST AVE
WINSTEAD ADDN
MARTINSON ADDN
VIEW HILL ADDN
APACHE PLACE ADDN
APACHE SQUARE
HENSHAW ADDN
VICTORY ADDN
FRED THOMPSON ADDN
KINGDOM CORNER
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P-397
P-154
P-399
P-306
P-37
P-20
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CITY OF TULSA
WASTEWATER ATLAS
Page:164

SHEET 4

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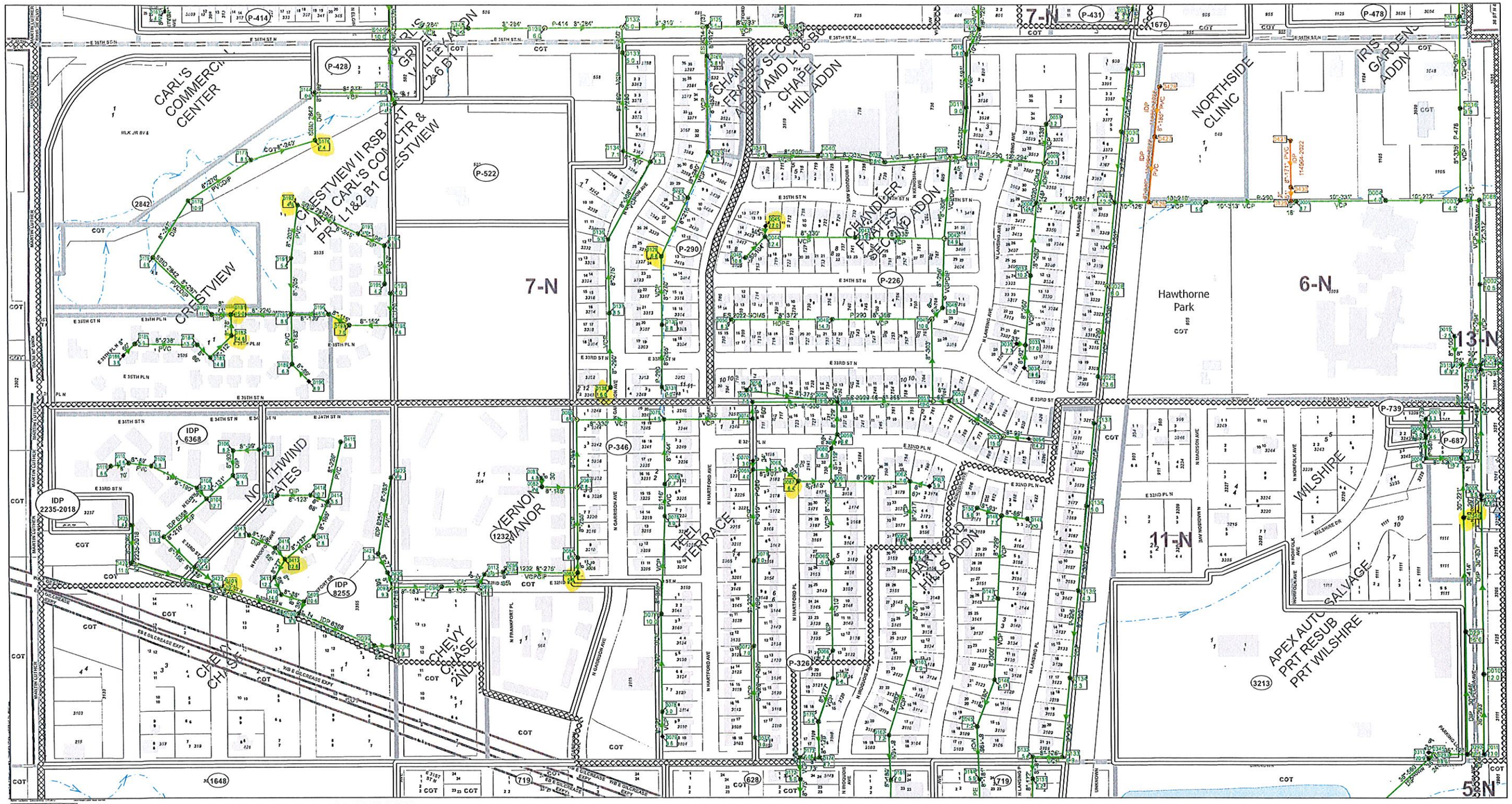
217 219

162 163 164



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (17)
- Lamphole (12)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (9)
- Special Drop MH (4)
- Special Perm Flow Monitor (0)
- Standard MH (157)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (211)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (5)

ss ImprovementDistrict
- ss ImprovementDistrict (21)

ss Encroachment
- ss Encroachment (1)

24-T20N-R12E

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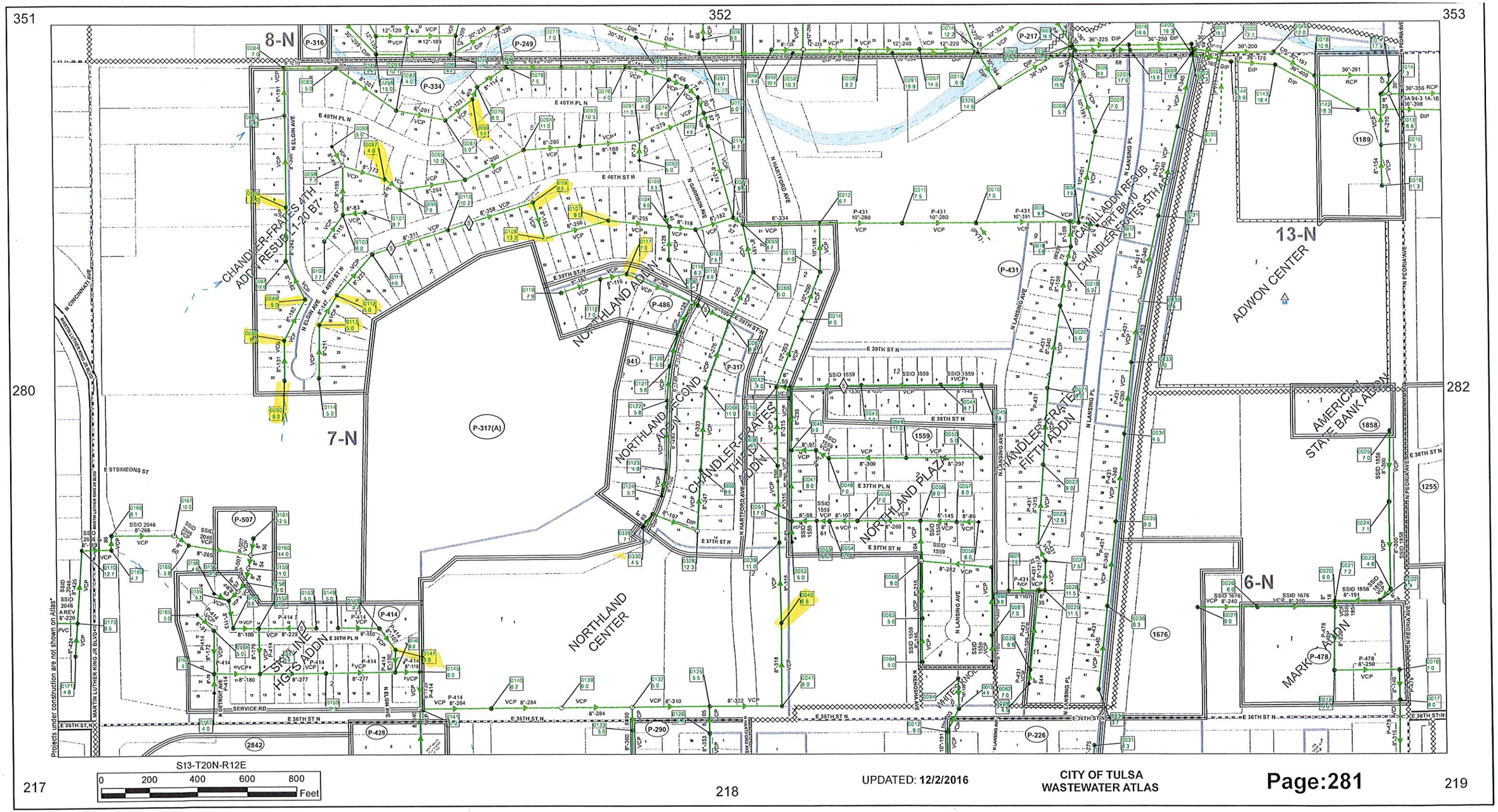
Created: 10/2/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

Page: 218

SHEET 5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CHANDLER-FRATES 4TH ADDN RESUB L1-20 B7
NORTHLAND ADDN
NORTHLAND ADDN SECOND
CHANDLER-FRATES THIRD ADDN
NORTHLAND PLAZA
NORTHLAND CENTER
CHANDLER-FRATES FIFTH ADDN
WILLADDON RESUB PRT BB-10 CHANDLER-FRATES 5TH ADDN
ADWON CENTER
AMERICAN STATE BANK ADDN
MARK ADDN
STRATLINE HGTS ADDN
E 40TH PL N
E 40TH ST N
E 39TH ST N
E 38TH ST N
E 37TH PL N
E 37TH ST N
E 36TH PL N
E 36TH ST N
N ELGIN AVE
N HARTFORD AVE
N GARRISON AVE
N LANSING AVE
N LANSING PL
N PEORIA AVE
N CINCINNATI AVE
N DETROIT AVE
E ST SIMEONS ST
MARTIN LUTHER KING JR BLVD
SERVICE RD
P-316
P-249
P-334
P-217
P-431
P-486
P-317
P-317(A)
P-507
P-414
P-428
P-290
P-226
P-478
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1189
1676
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1255
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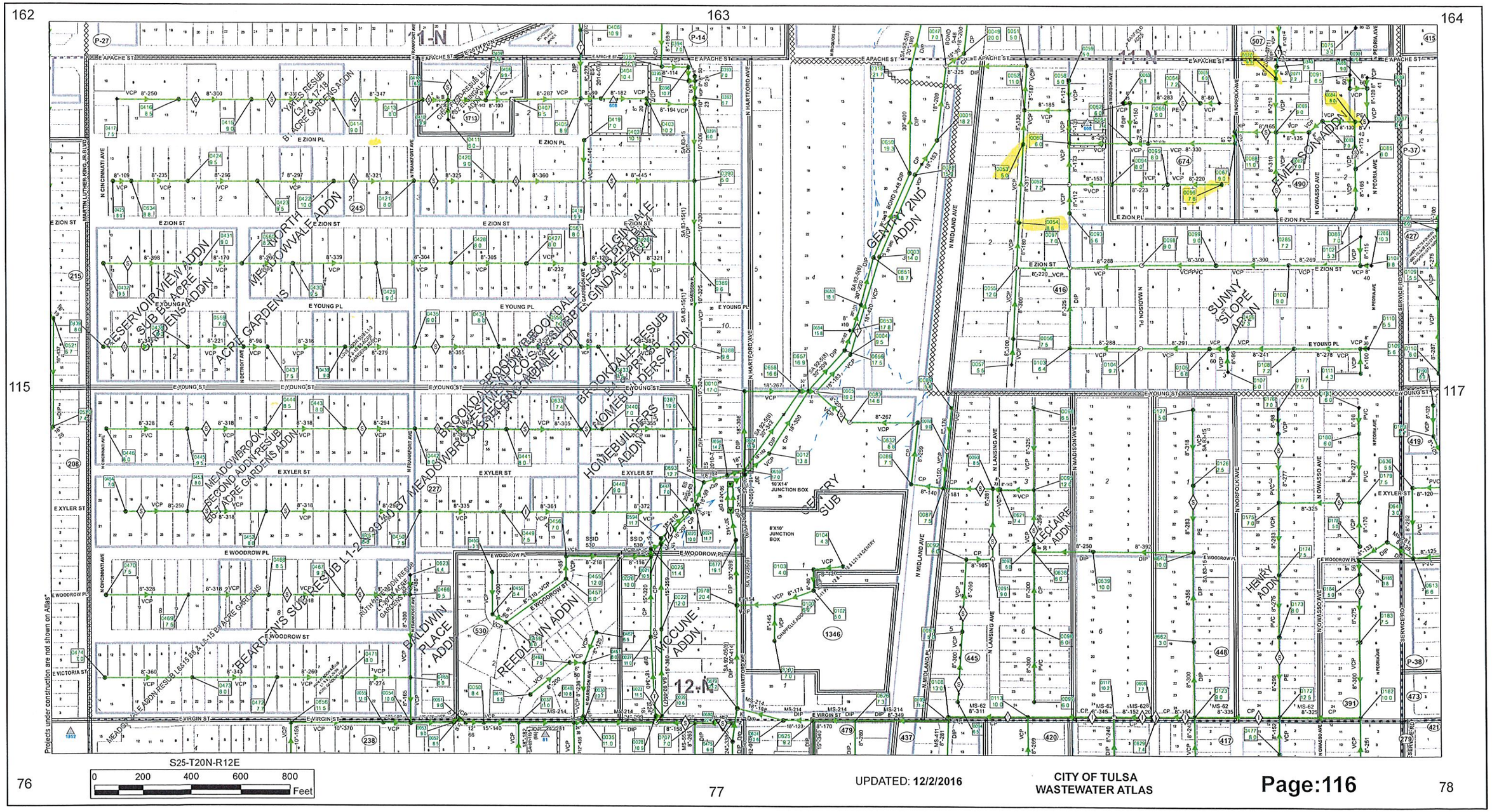
2842
Projects under construction are not shown on Atlas*
S13-T20N-R12E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS

SHEET 6



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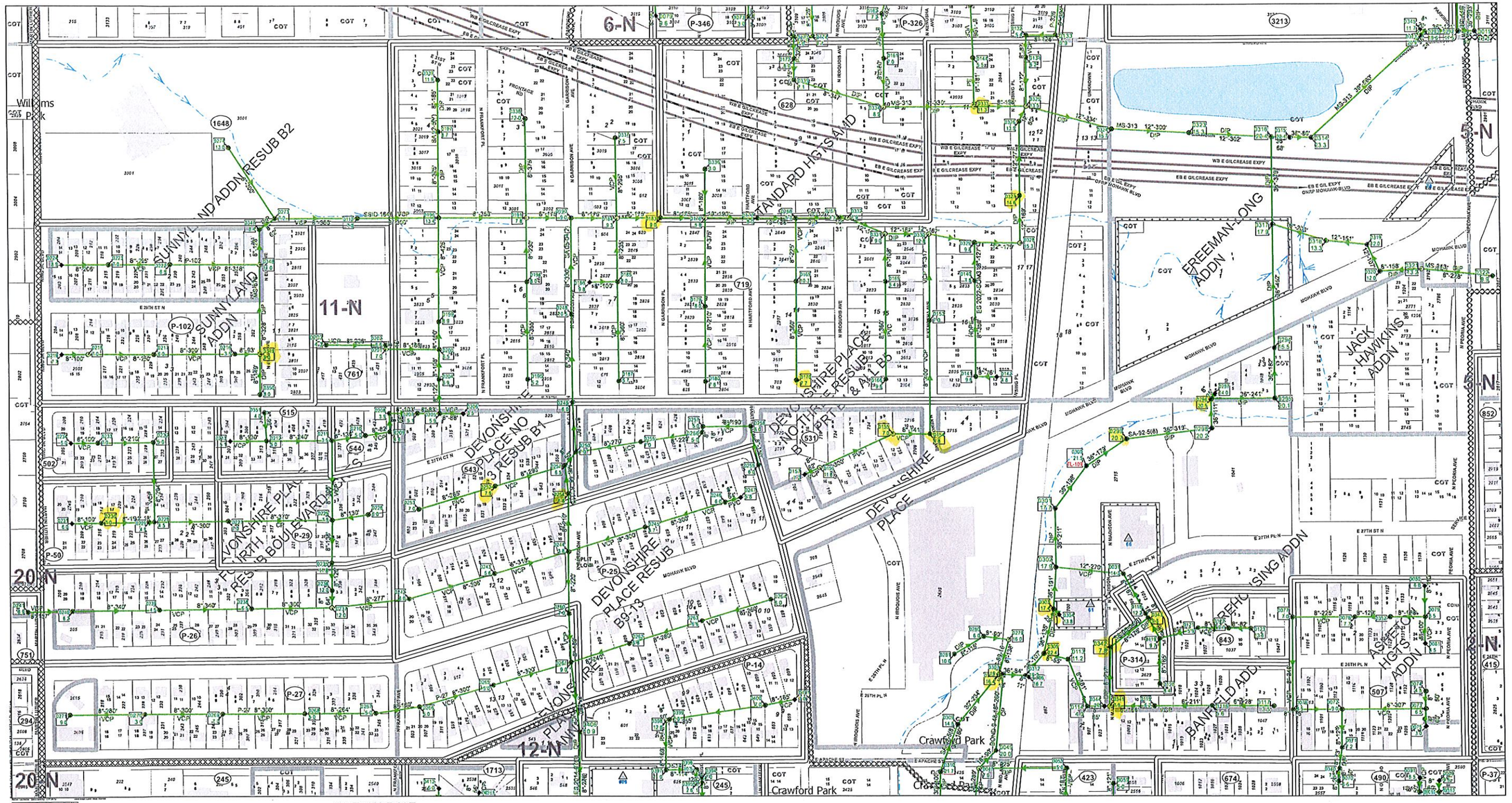
CITY OF TULSA
WASTEWATER ATLAS

SHEET 7

217 | 218 | 219

162 | 164

115 | 116 | 117



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (22)
- Lamphole (24)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (21)
- Special Drop MH (3)
- Special Perm Flow Monitor (1)
- Standard MH (150)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (230)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (1)

ss MaintenanceDistrict
- ss MaintenanceDistrict (6)

ss ImprovementDistrict
- ss ImprovementDistrict (32)

ss Encroachment
- ss Encroachment (5)

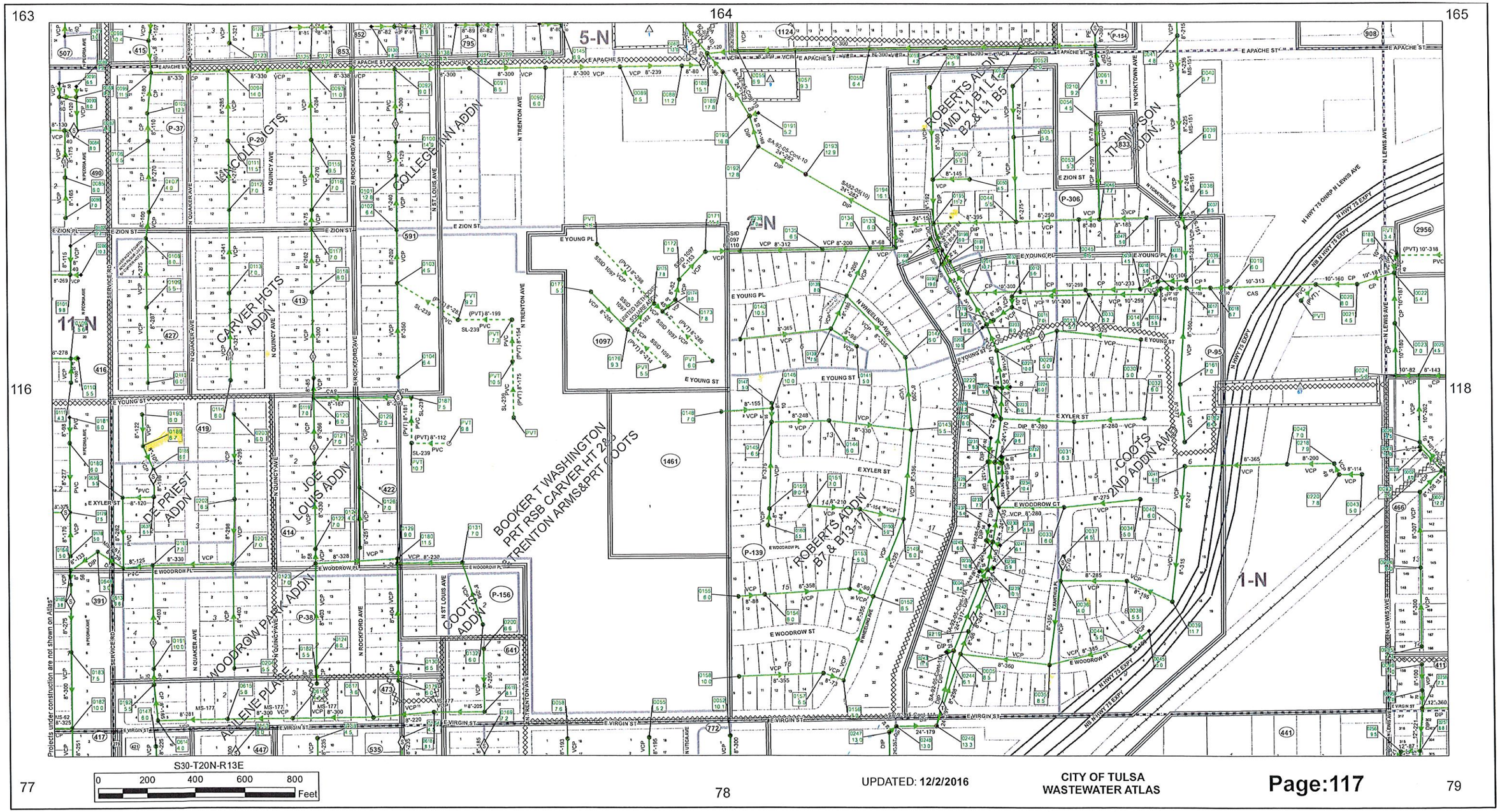
24-T20N-R12E

0 200 400 800 1,200 Feet

Created: 9/4/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

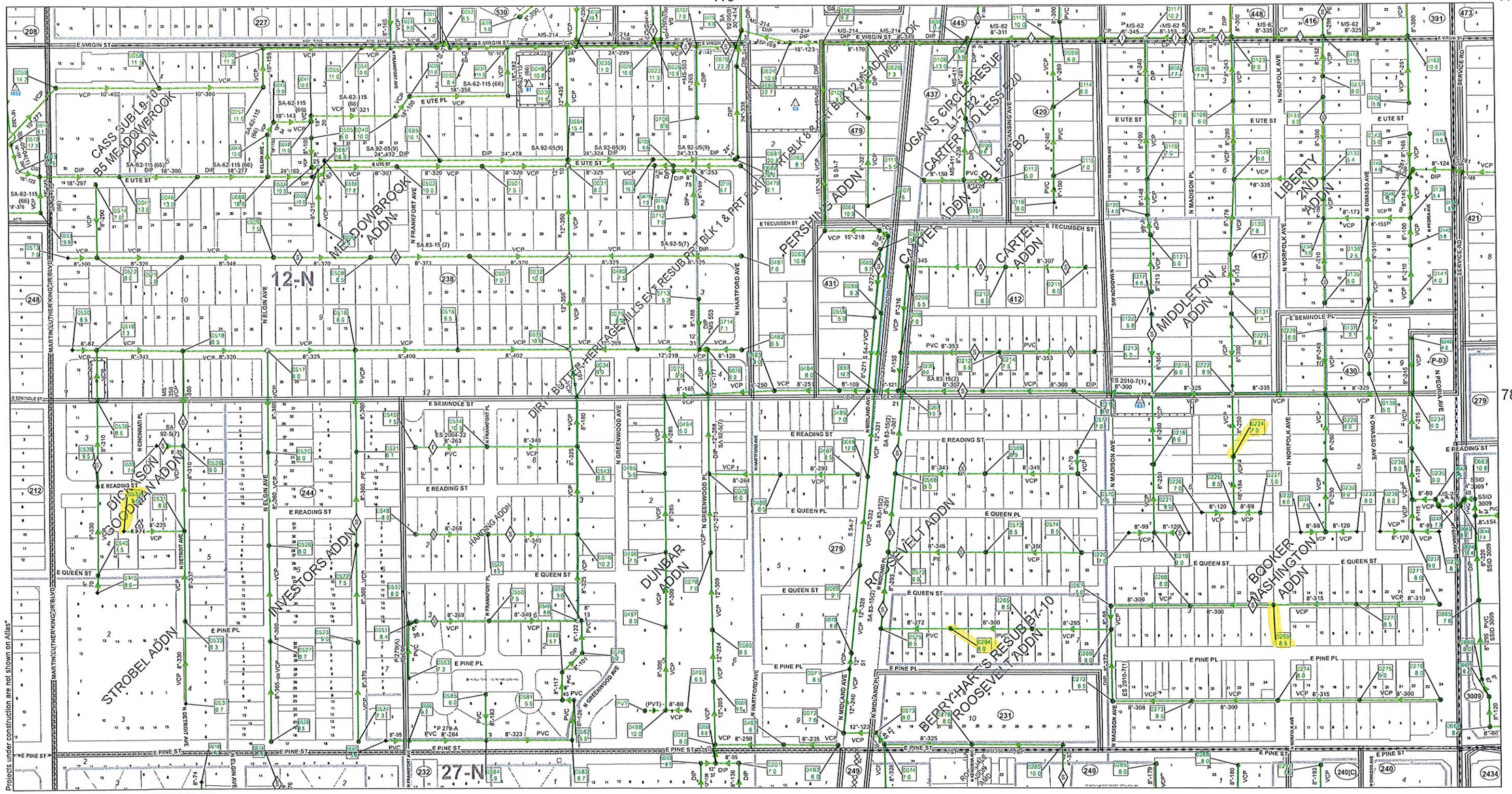
SHEET 8


163
164
165
116
118
77
78
79
5-N
7-N
11-N
1-N
E APACHE ST
E ZION ST
E YOUNG PL
E YOUNG ST
E XYLER ST
E WOODROW PL
E WOODROW ST
E VIRGIN ST
N TRENTON AVE
N ST LOUIS AVE
N ROCKFORD AVE
N QUINCY AVE
N QUAKER AVE
N PEORIA AVE
N YORKTOWN AVE
N LEWIS AVE
N HWY 75 ONRP N LEWIS AVE
N HWY 75 EXPY
LINCOLN HGTS
COLLEGE INN ADDN
CARVER HGTS ADDN
ROBERTS ADDN AMD L1 B1 L1 B2 & L1 B5
TIMMERSON ADDN
DE PRIEST ADDN
JOE LOUIS ADDN
BOOKER T WASHINGTON
PRT RSB CARVER HT 2
TRENTON ARMS&PRT COOTS
ROBERTS ADDN B7 & B13 17
COOTS 2ND ADDN AMD
WOODROW PARK ADDN
ABILENE PLACE
COOTS ADDN
Projects under construction are not shown on Atlas*
S30-T20N-R13E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:117

SHEET 9

115 116 117

76 78



S25-T20N-R12E

0 200 400 600 800 Feet

45 46 47

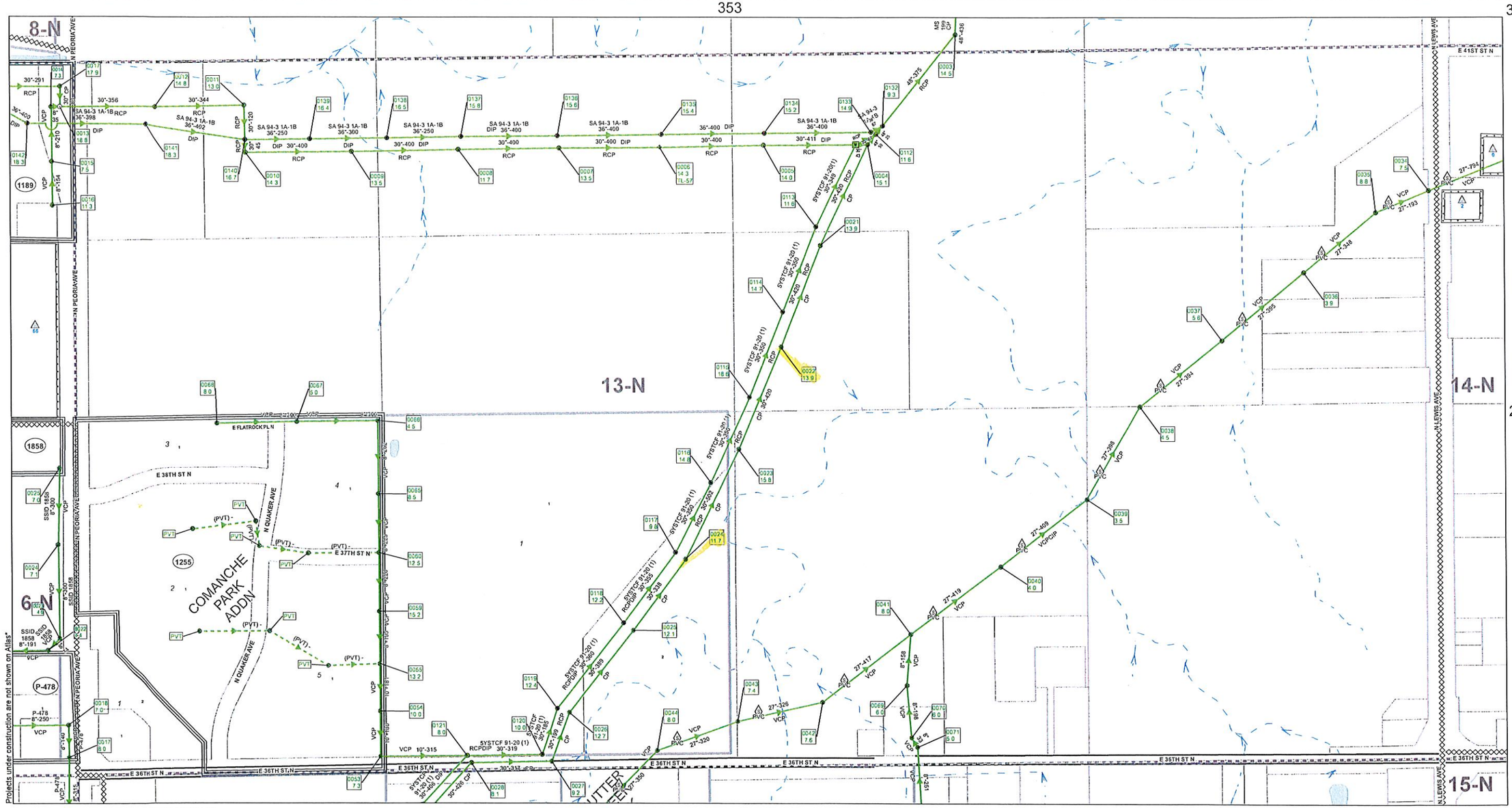
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 10

352 353 354

281 283



S18-T20N-R13E

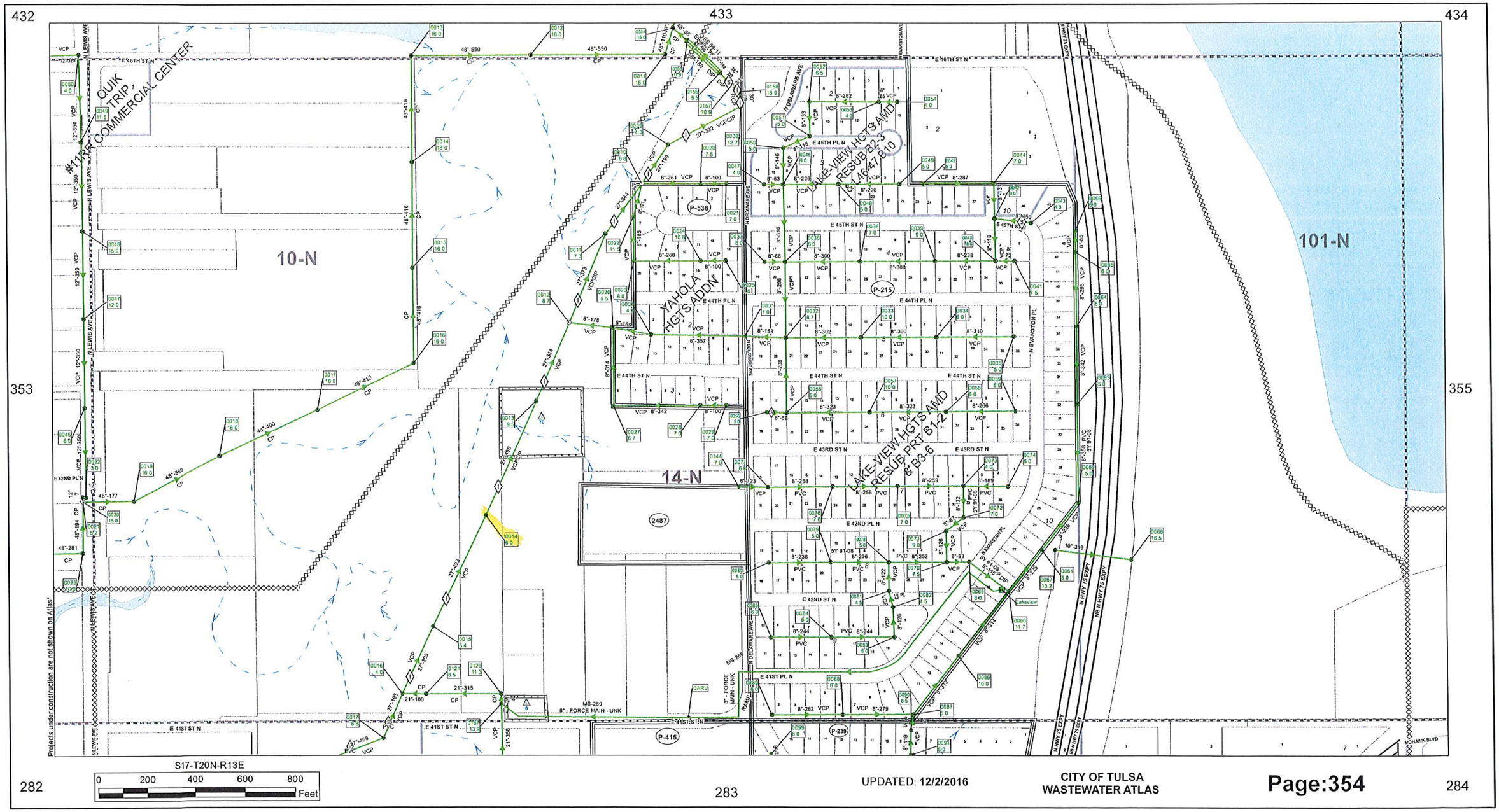
0 200 400 600 800 Feet

218 219 220

UPDATED: 12/2/2016

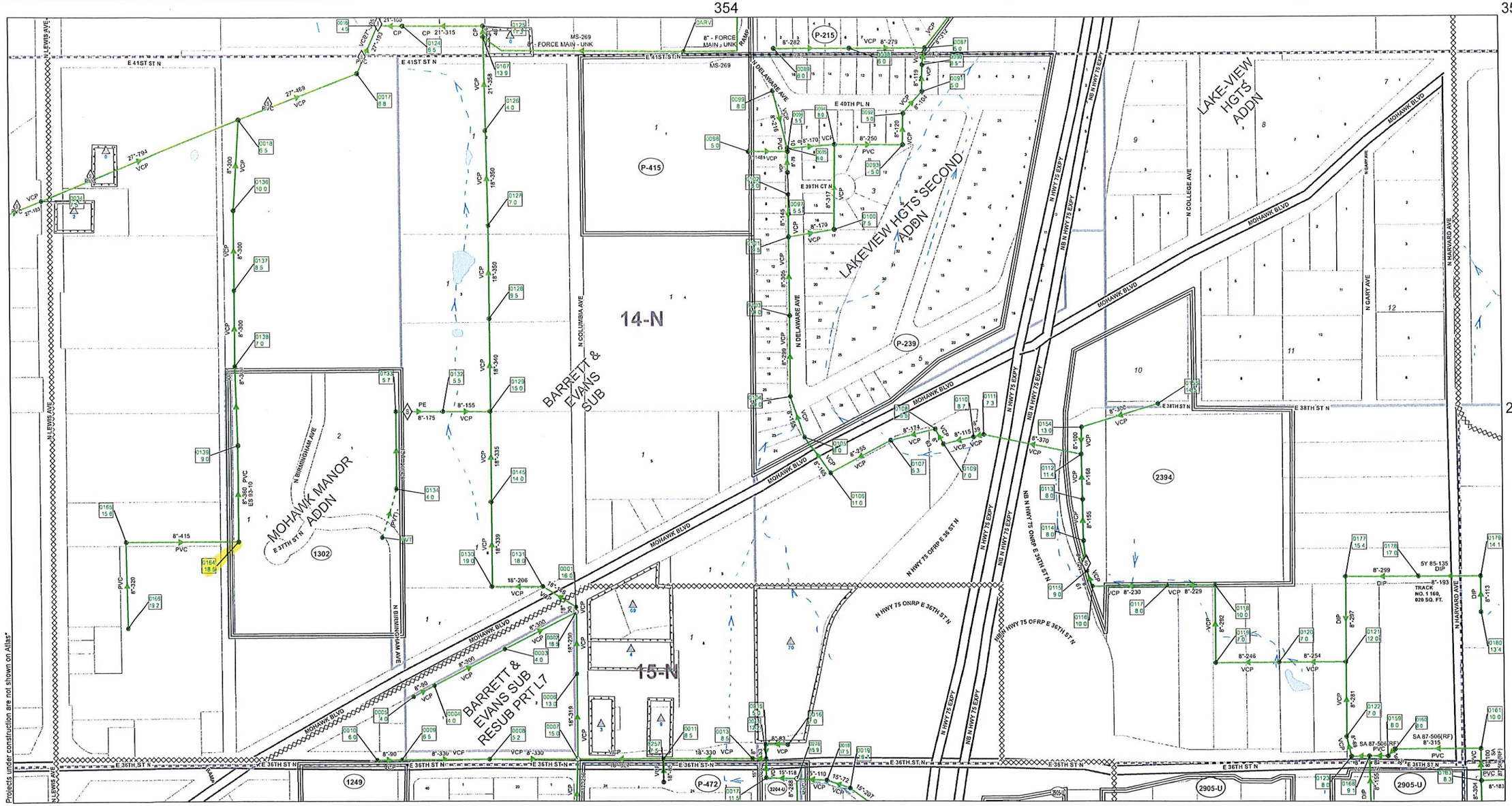
CITY OF TULSA
WASTEWATER ATLAS

SHEET 11


432
433
434
353
355
282
283
284
10-N
14-N
101-N
#11RR QUIK TRIP COMMERCIAL CENTER
YAHOLA HGTS ADDN
LAKE-VIEW HGTS AMD RESUB B2-3 & L4647 B10
LAKE-VIEW HGTS AMD RESUB PRT B1-2 & B3-6
N LEWIS AVE
E 46TH ST N
E 45TH PL N
E 45TH ST N
E 44TH PL N
E 44TH ST N
E 43RD ST N
E 42ND PL N
E 42ND ST N
E 41ST PL N
E 41ST ST N
N DELAWARE AVE
N EVANSTON PL
N HWY 75 EXPY
NB N HWY 75 EXPY
MOHAWK BLVD
P-536
P-215
2487
P-415
P-239
MS-269
8" - FORCE MAIN - UNK
Projects under construction are not shown on Atlas*
S17-T20N-R13E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:354

353 354 355

282 284



219 220 221

S17-T20N-R13E

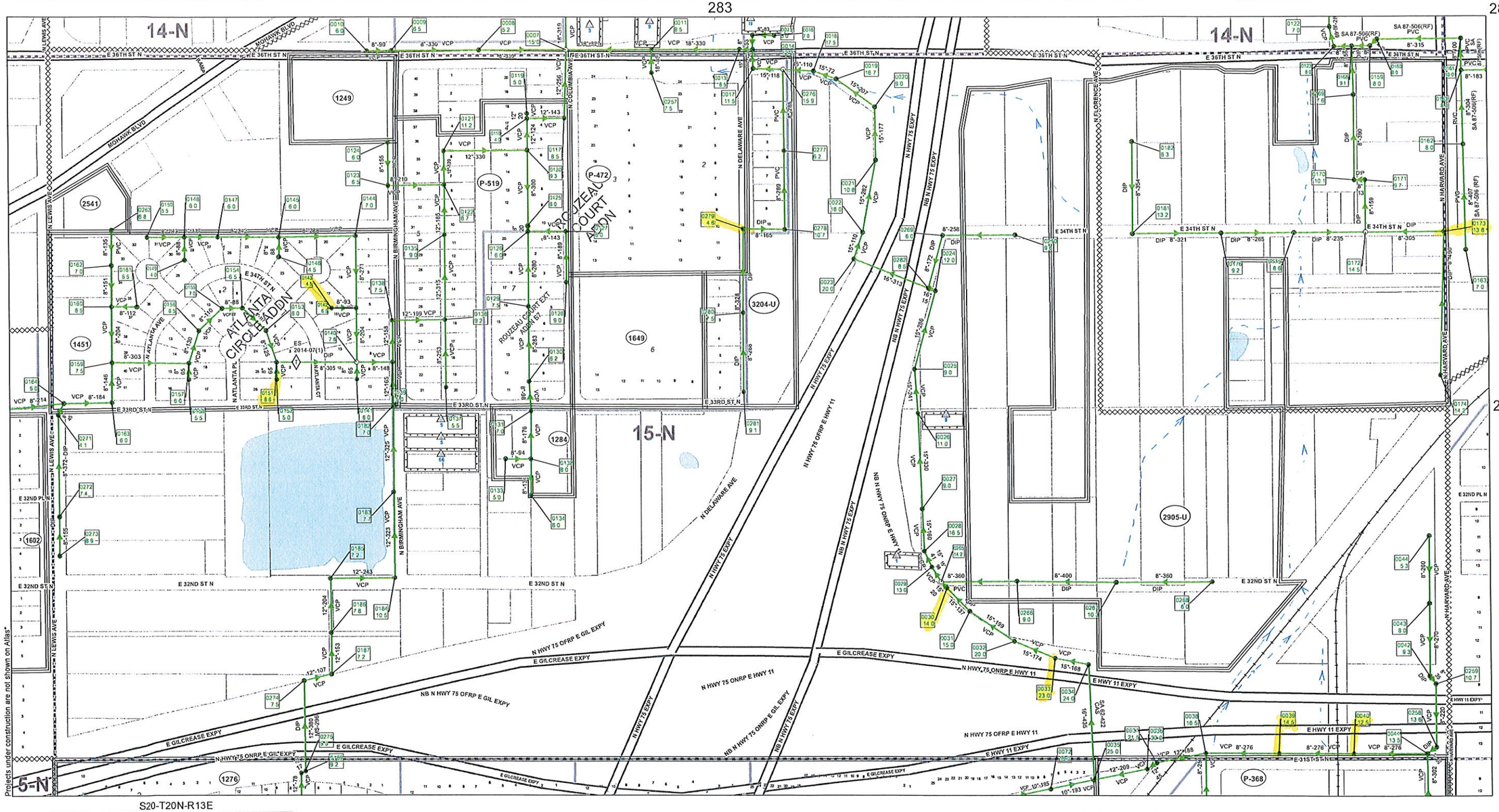
0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

282 283 284

219 221



S20-T20N-R13E

0 200 400 600 800 Feet

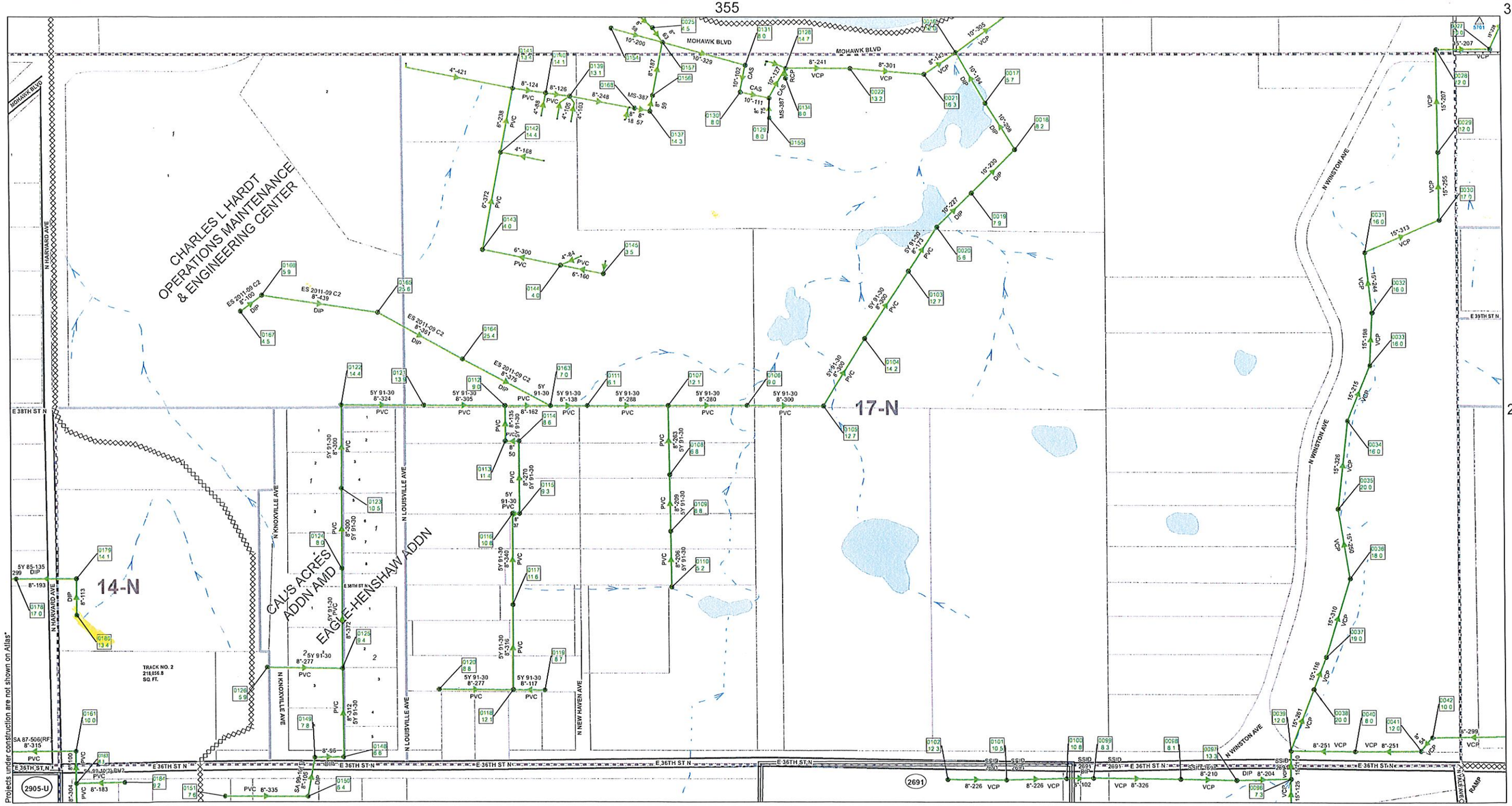
164 165 166

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

354 355 356

283 285



S16-T20N-R13E

0 200 400 600 800 Feet

220 221 222

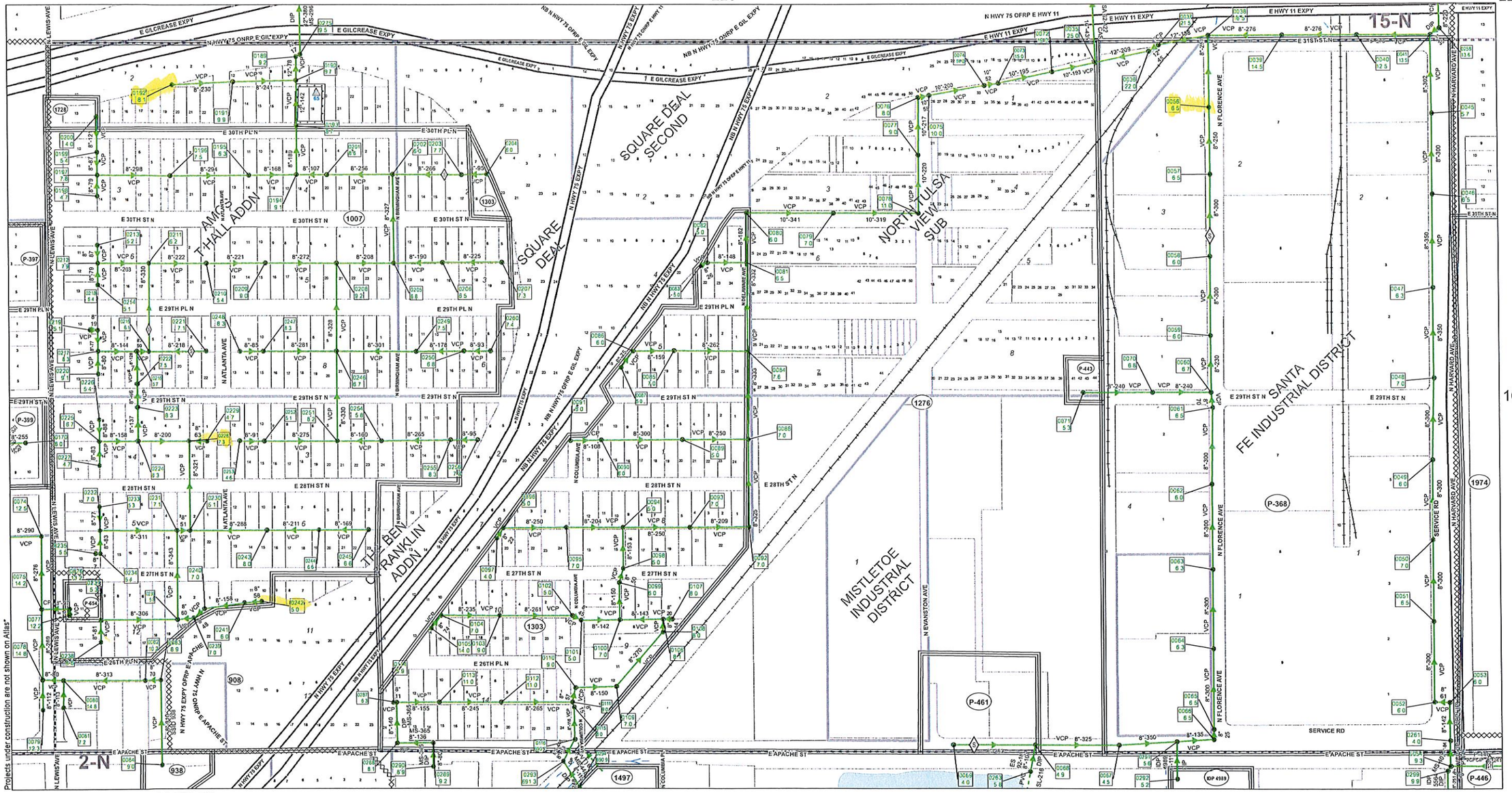
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 15

219 | 220 | 221

164 | 166



S20-T20N-R13E

0 200 400 600 800 Feet

117 | 118 | 119

UPDATED: 12/2/2016

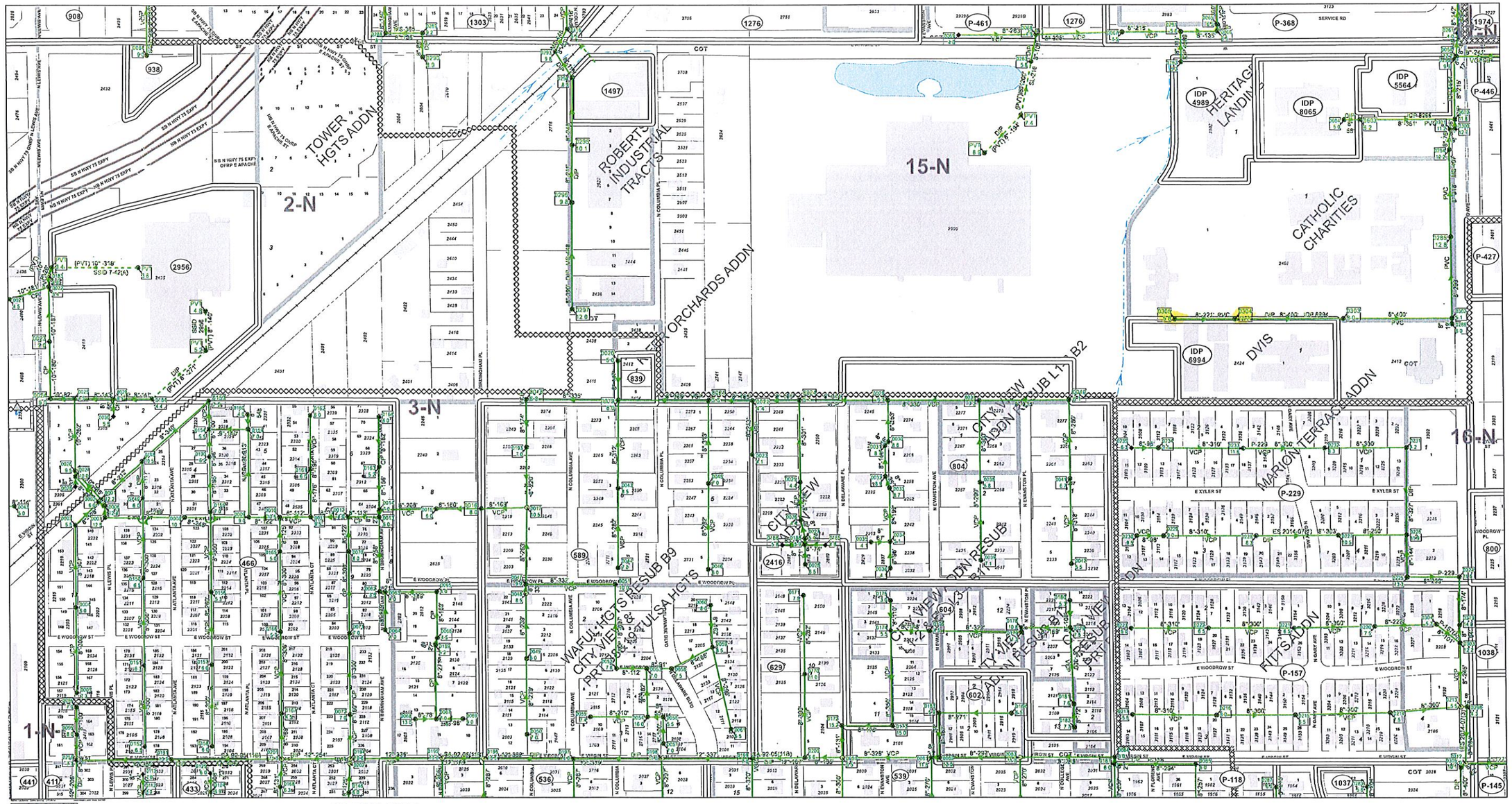
CITY OF TULSA
WASTEWATER ATLAS

SHEET 16

164 165 166

117 119

78 79 80



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (13)
- Lamphole (8)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (6)
- Special MH (6)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (199)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (6)
- Lift Station (6)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (231)

ss GravityMain-PVT
- ss GravityMain-PVT (7)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (6)

ss ImprovementDistrict
- ss ImprovementDistrict (35)

ss Encroachment
- ss Encroachment (1)

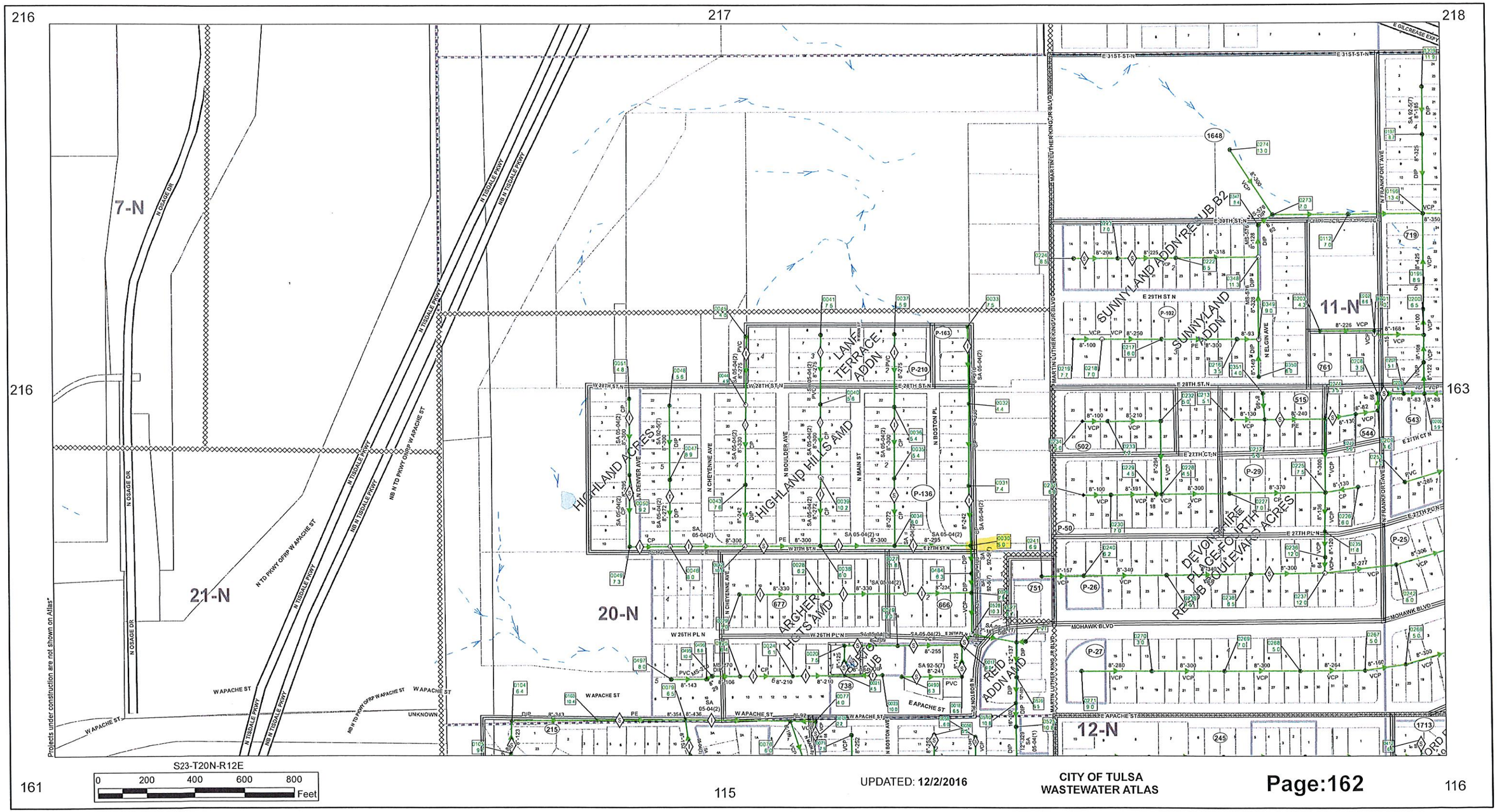
29-T20N-R13E

0 200 400 800 1,200 Feet

Created: 10/9/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

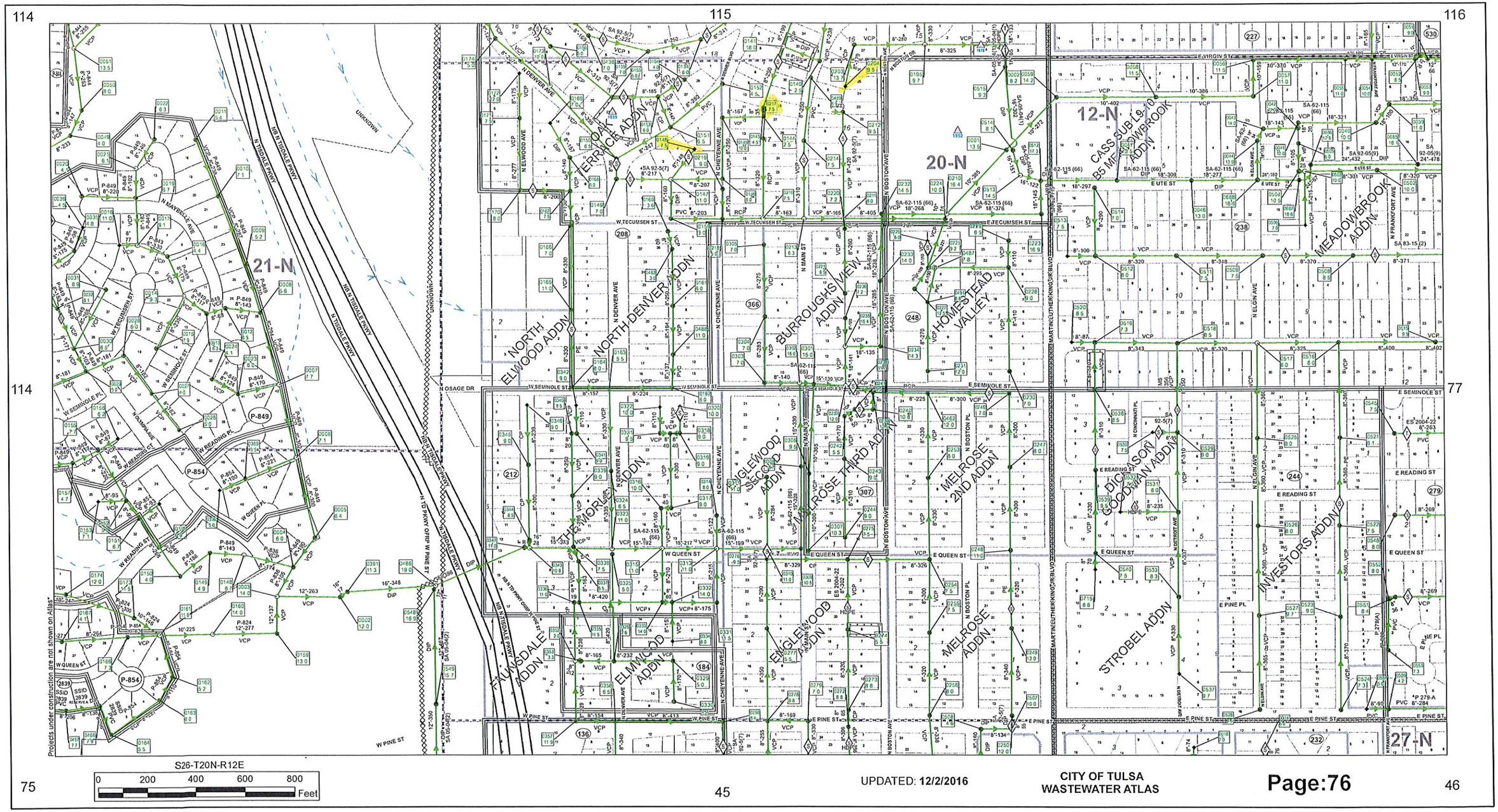
SHEET 17



UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 18



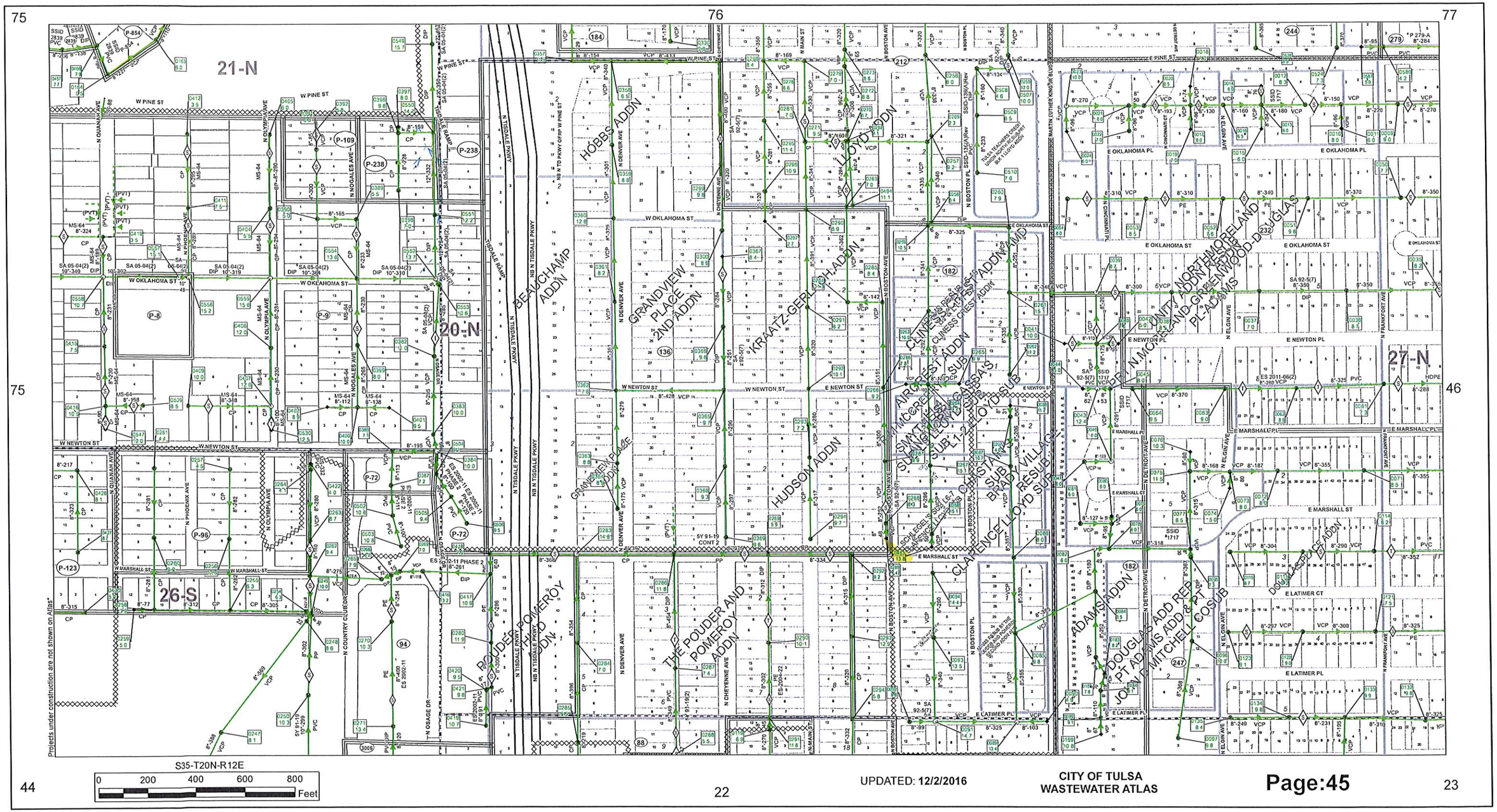
S26-T20N-R12E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

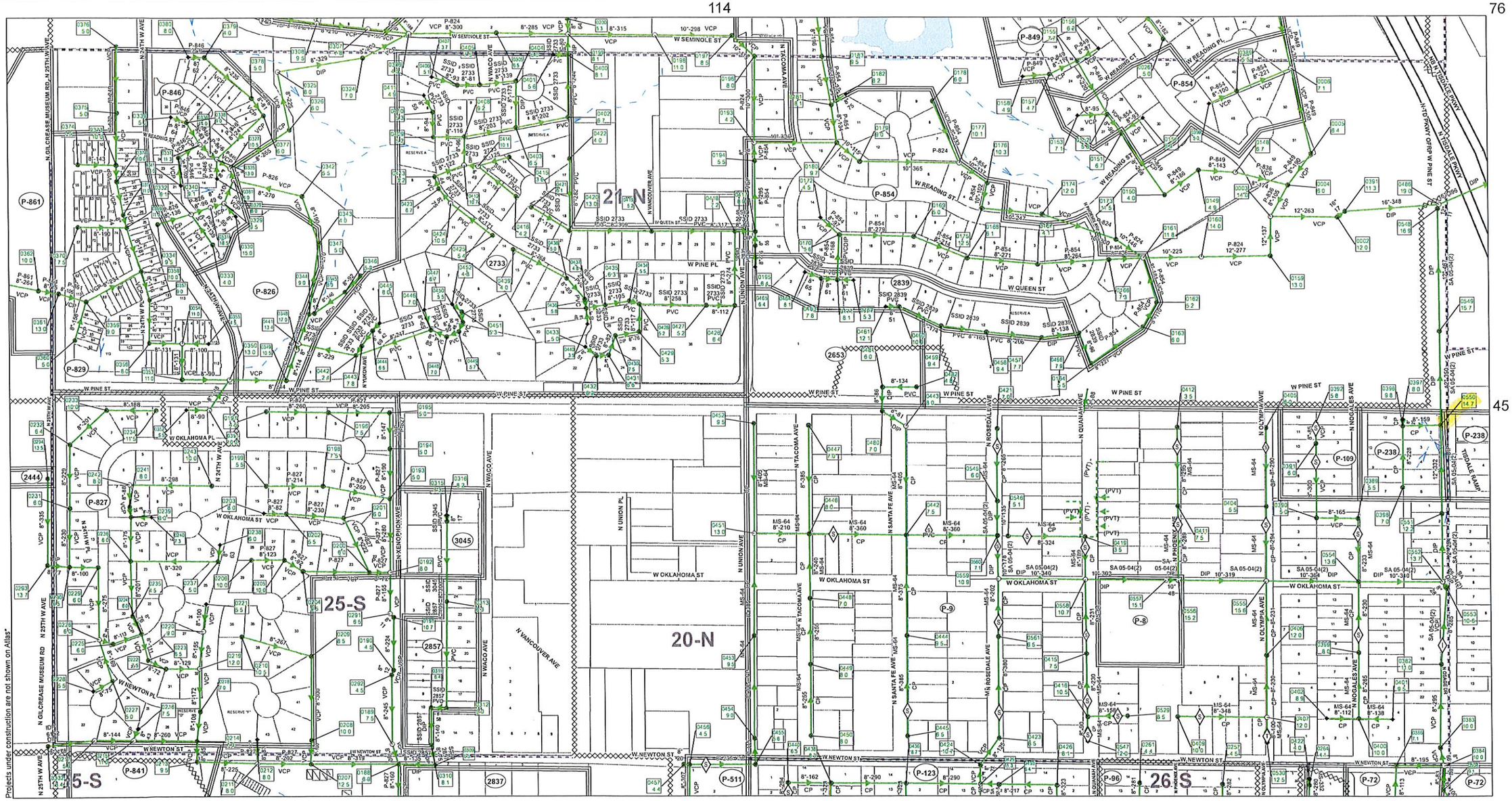
SHEET 19


75
76
77
75
46
44
22
23
21-N
20-N
27-N
26-S
W PINE ST
W OKLAHOMA ST
W NEWTON ST
W MARSHALL ST
E OKLAHOMA PL
E OKLAHOMA ST
E NEWTON PL
E MARSHALL PL
E MARSHALL ST
E LATIMER CT
E LATIMER PL
N QUANAH AVE
N OLYMPIA AVE
N NOGALES AVE
N PHOENIX AVE
N COUNTRY CLUB DR
N OSAGE DR
N TISDALE PKWY
NB N TISDALE PKWY
N DENVER AVE
N CHEYENNE AVE
N BOSTON AVE
N BOSTON PL
N MAIN ST
N CINCINNATI AVE
N DETROIT AVE
N ELGIN AVE
N FRANKFORT AVE
N MONTANA AVE
BEAUCHAMP ADDN
HOBBS ADDN
GRANDVIEW PLACE 2ND ADDN
GRANDVIEW PLACE ADDN
KRAATZ-GERLAD ADDN
LLOYD ADDN
HUDSON ADDN
ROUDER-POMEROY ADDN
THE POUDER AND POMEROY ADDN
CLARENCE LLOYD SUB
ADAMS ADDN
DOUGLAS ADD REP
PT ADAMS ADD & PT
JOHN MITCHELL COSUB
N.MONTANA AND GREENWOOD-DOUGLAS
PL-ADAMS
Projects under construction are not shown on Atlas*
S35-T20N-R12E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS

SHEET 20

113 114 76

74 45



S27-T20N-R12E

0 200 400 600 800 Feet

43 44 45

UPDATED: 12/2/2016

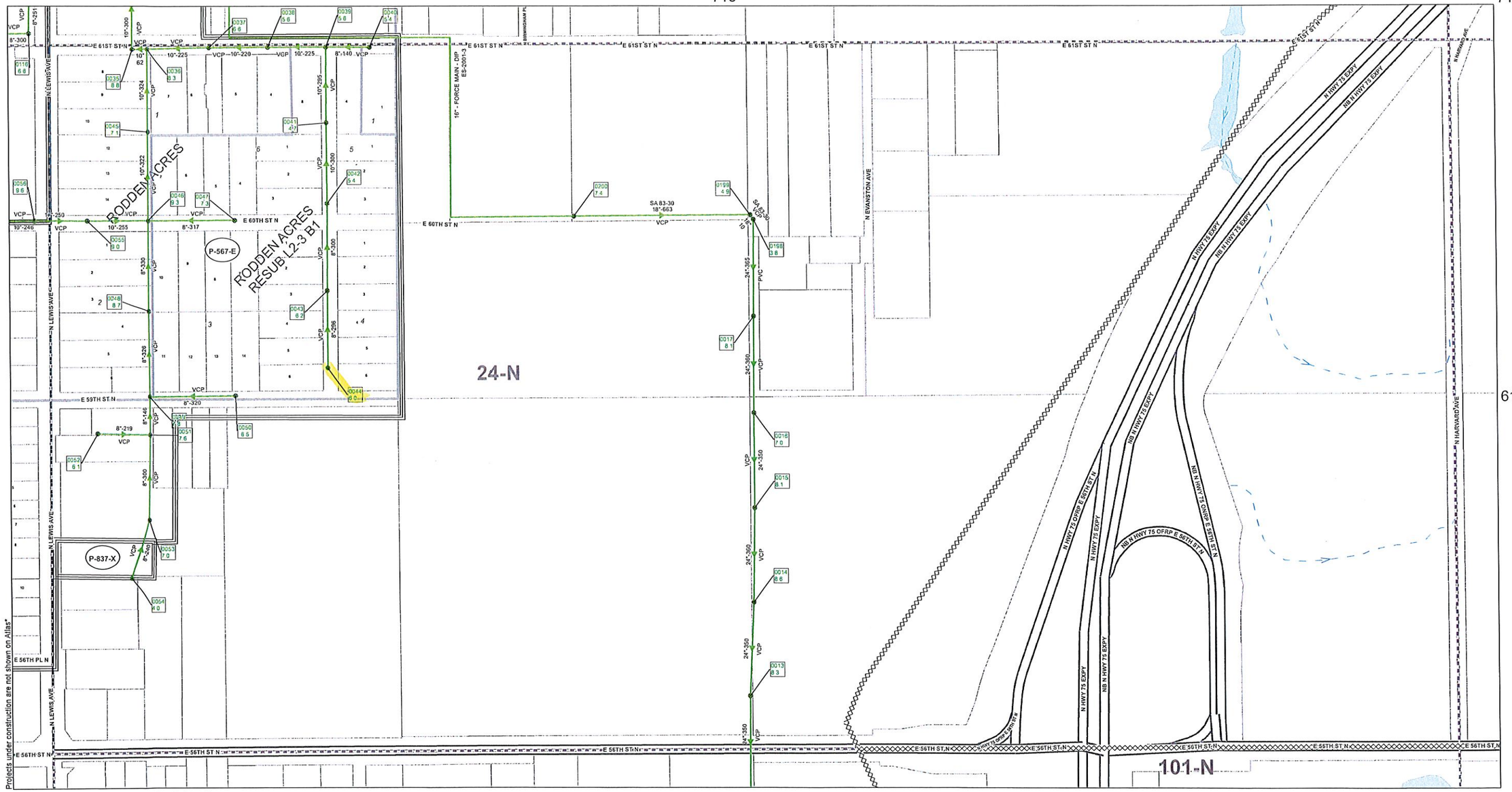
CITY OF TULSA
WASTEWATER ATLAS

SHEET 21

717 718 719

614 616

519 520 521



S5-T20N-R13E

0 200 400 600 800 Feet

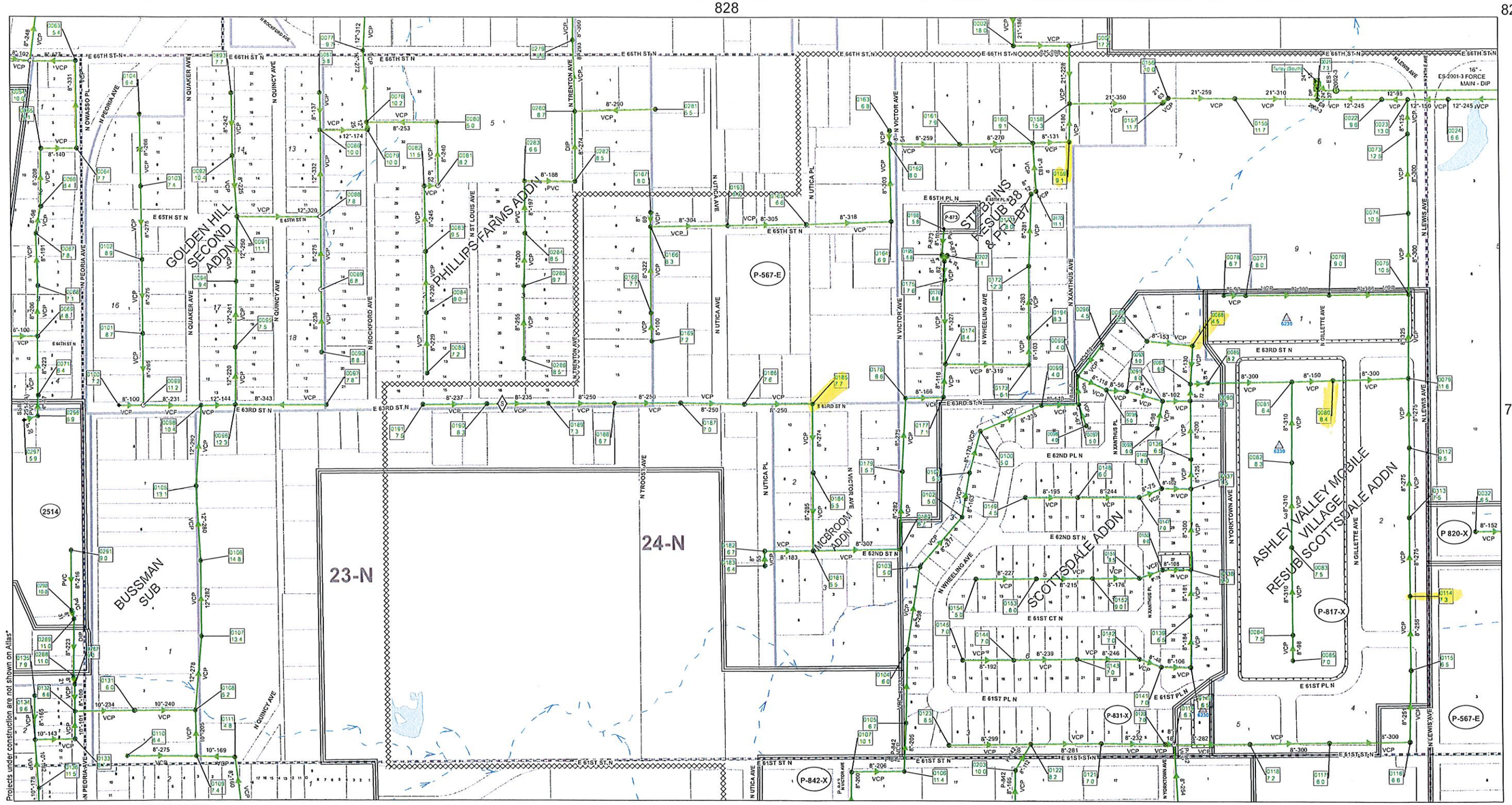
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 22

827 828 828

716 718



S6-T20N-R13E

0 200 400 600 800 Feet

613 614 615

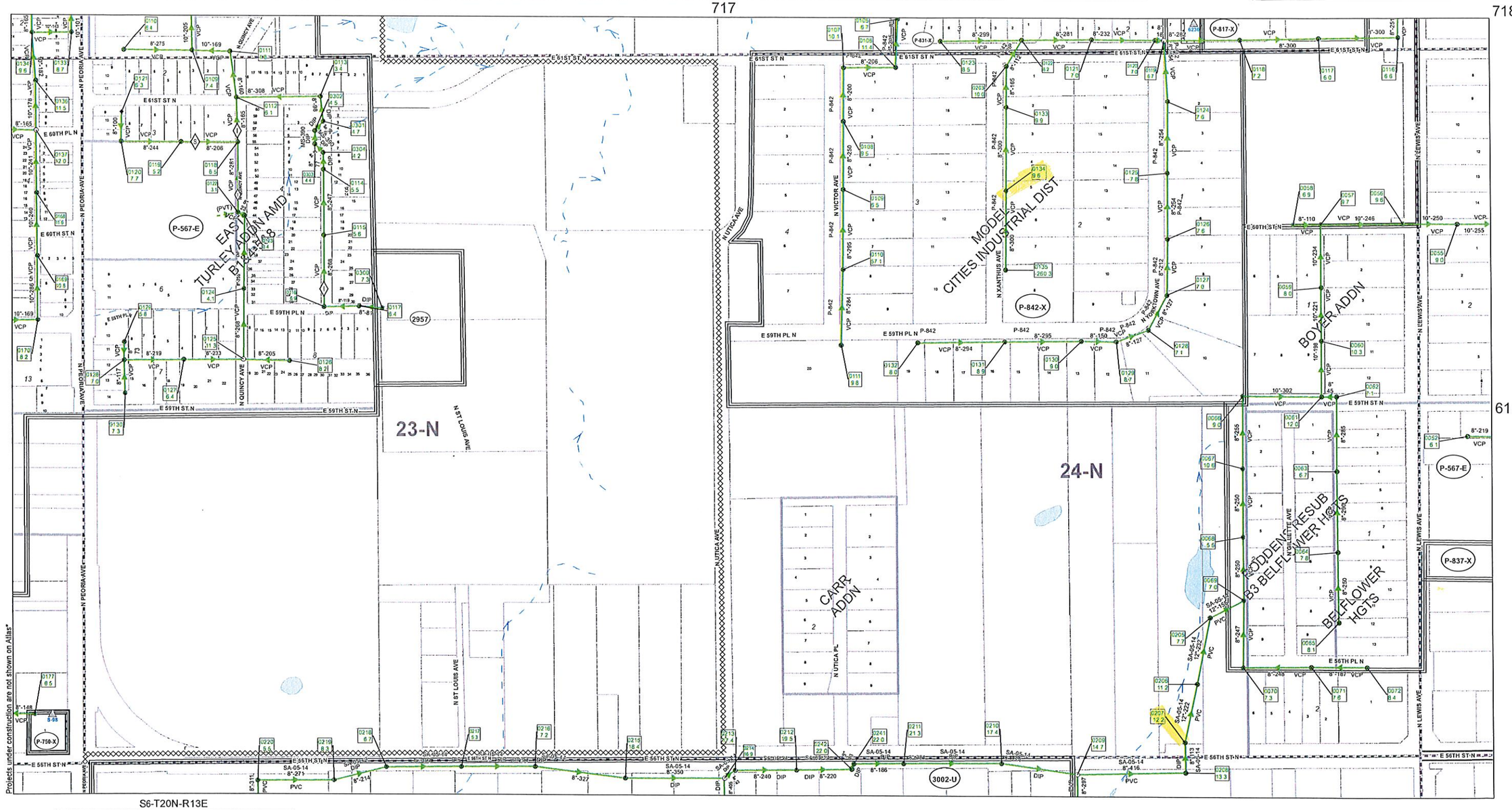
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 23

716 717 718

613 615



S6-T20N-R13E

0 200 400 600 800 Feet

518 519 520

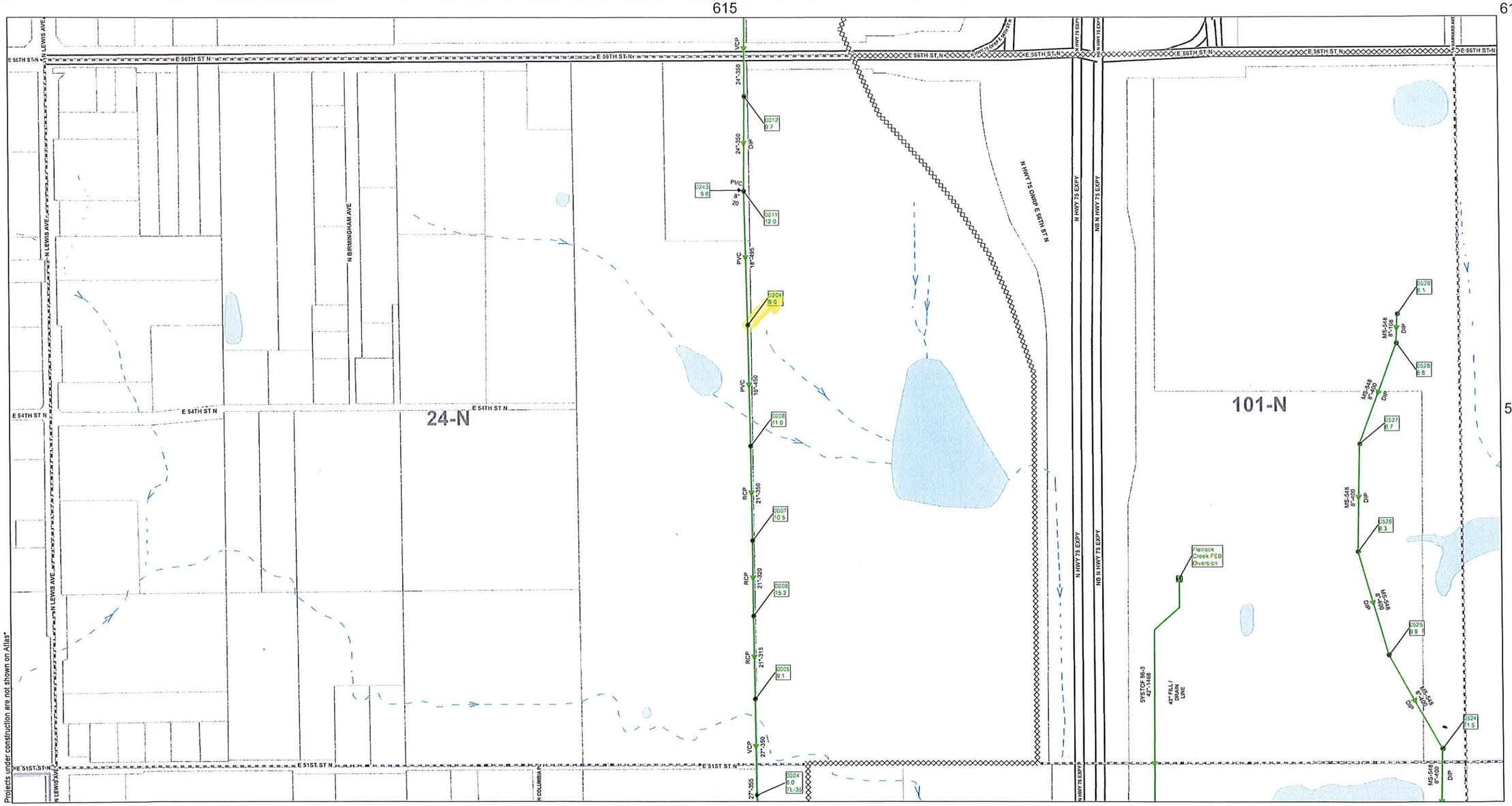
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 24

614 615 616

519 521



S8-T20N-R13E

0 200 400 600 800 Feet

432 433 434

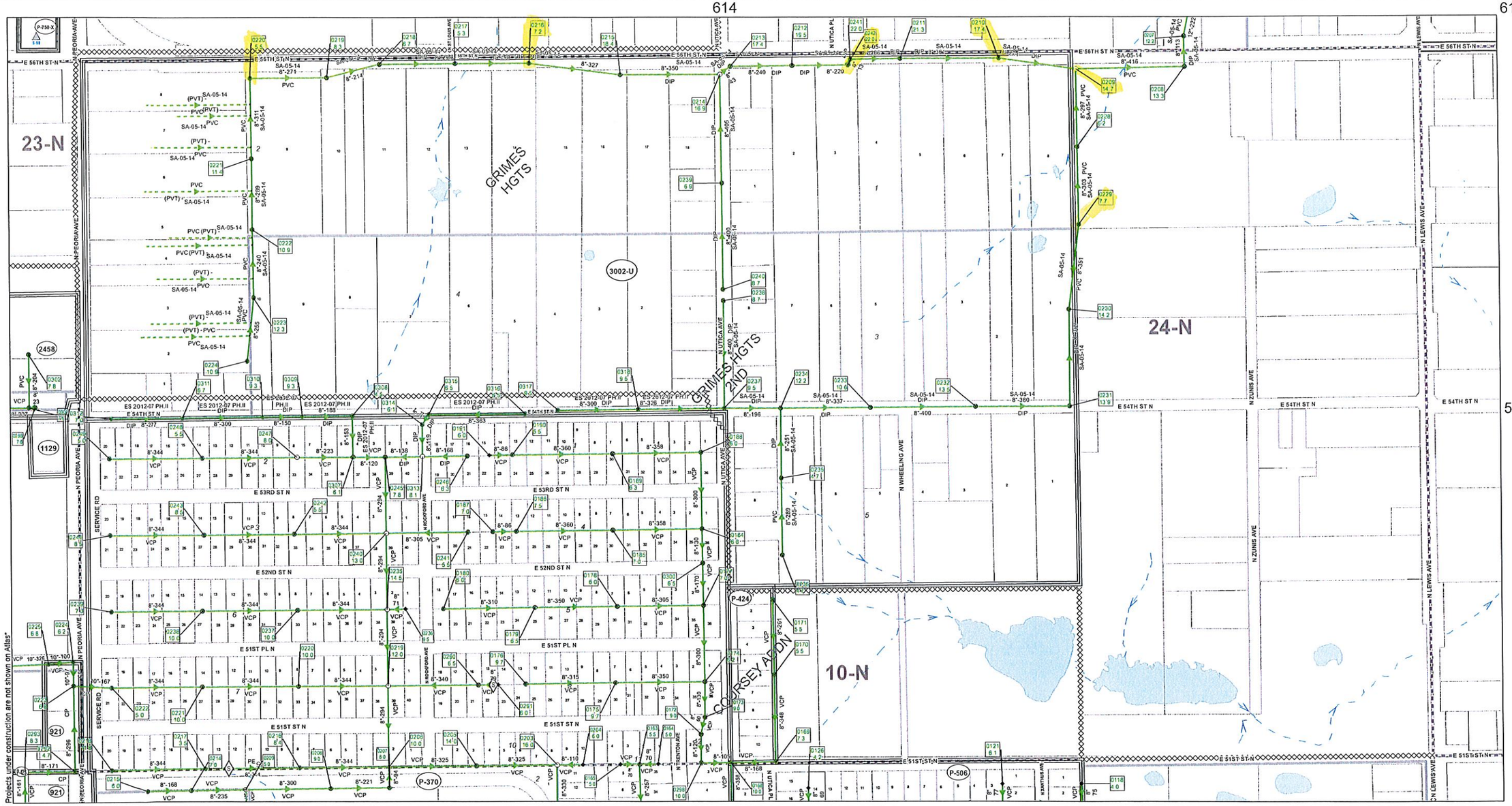
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 25

613 614 615

518 520



S7-T20N-R13E

0 200 400 600 800 Feet

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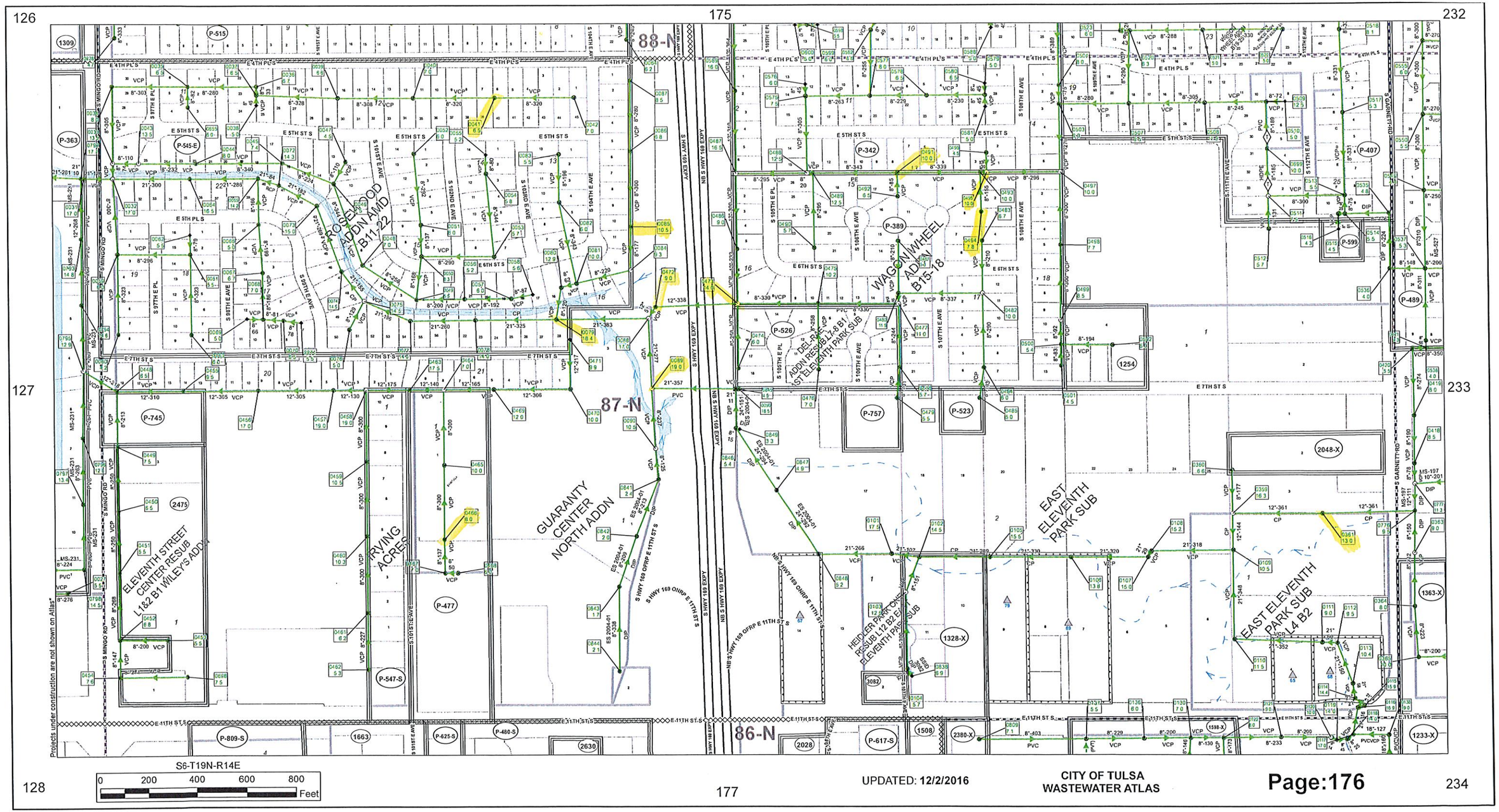
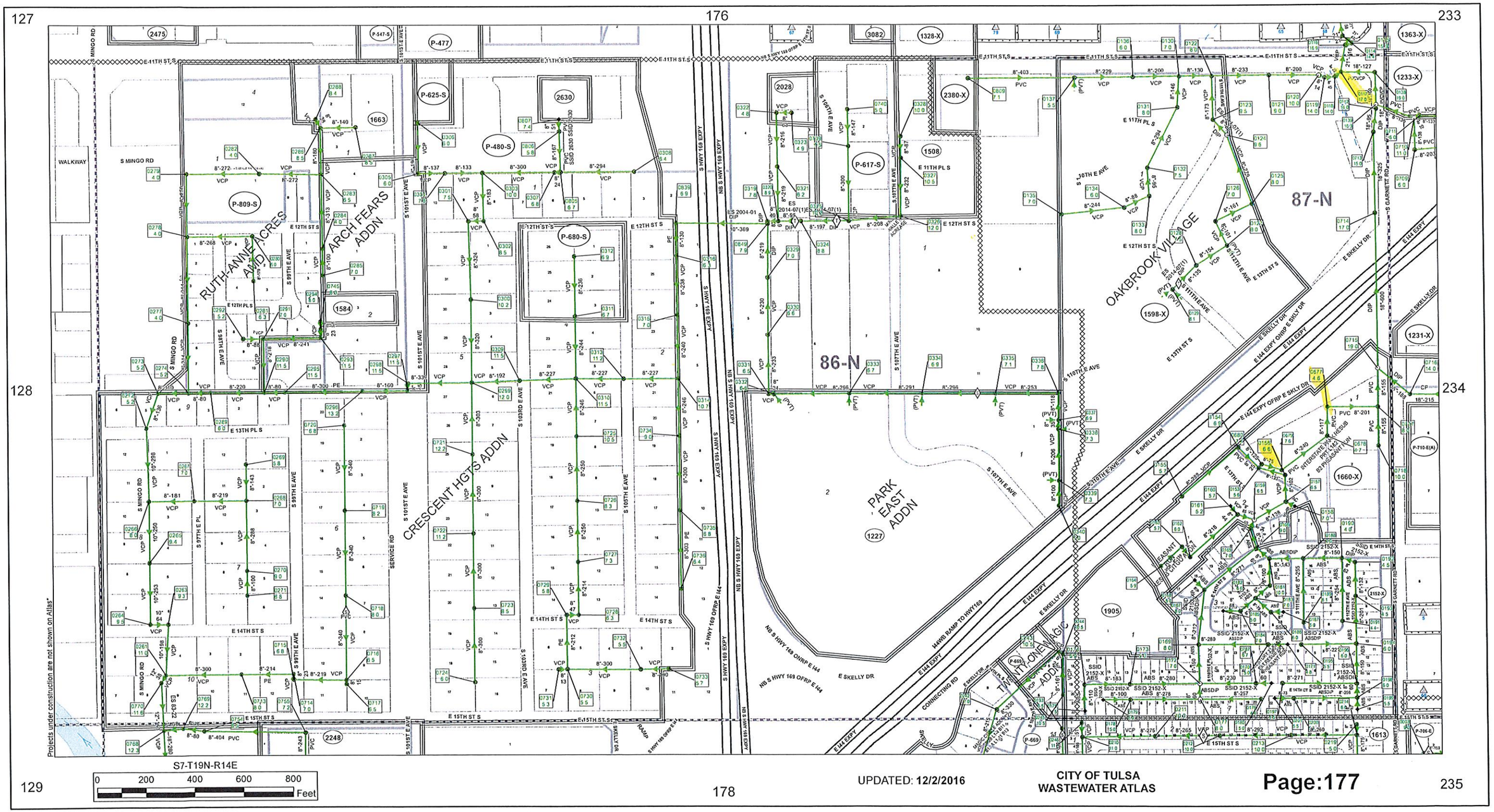
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

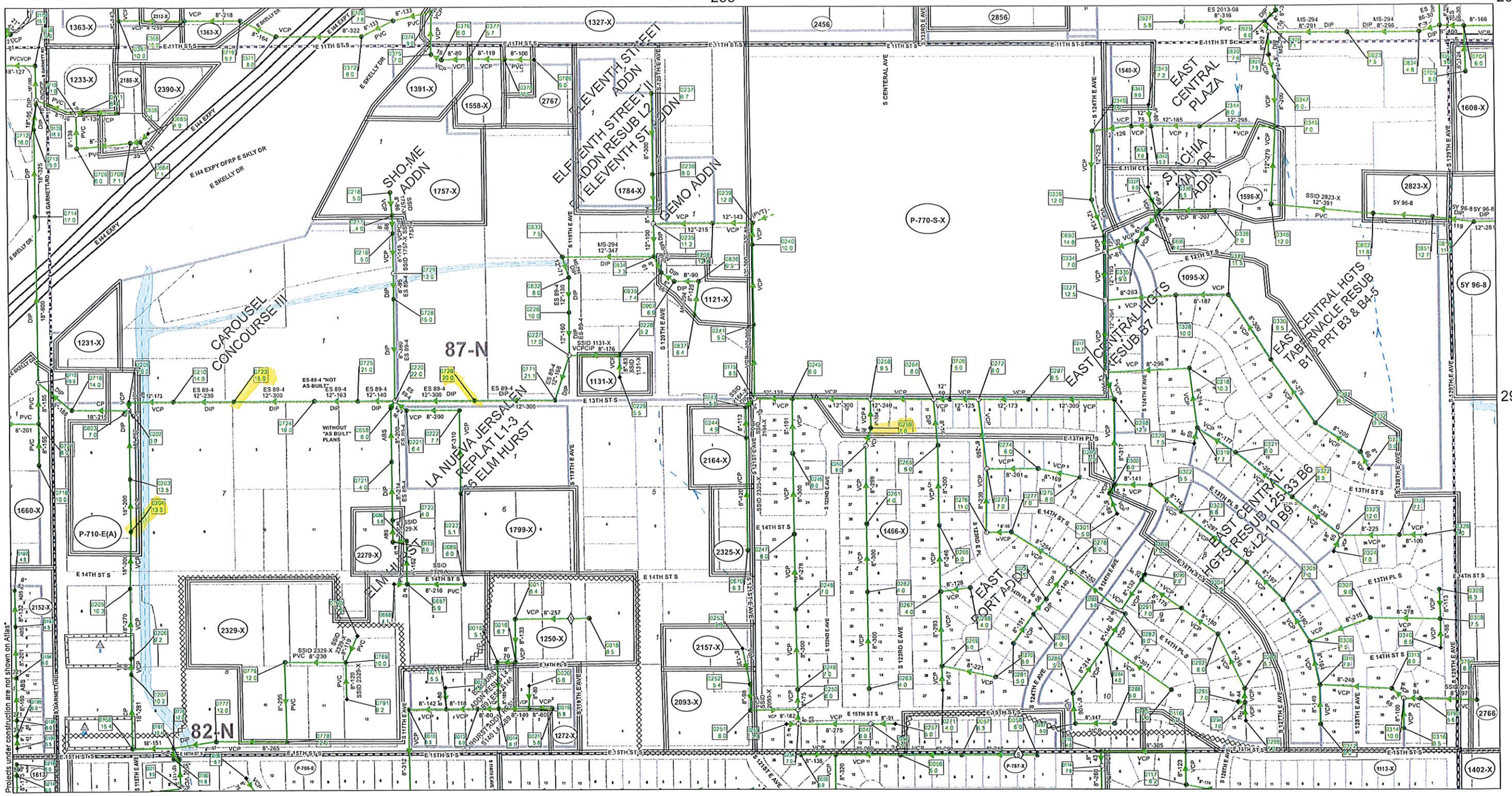

126
175
232
127
233
128
177
234
88-N
87-N
86-N
ROSEWOOD ADDN AMD B11-22
WAGONWHEEL ADDN B15-18
ADDN RESUB L7-8 B1 1ST ELEVENTH PARK SUB
ELEVENTH STREET CENTER RESUB L1&2 B1 WILEY'S ADDN
IRVING ACRES
GUARANTY CENTER NORTH ADDN
EAST ELEVENTH PARK SUB
HEIDER PARK ONE RESUB L12 B2 EAST ELEVENTH PARK SUB
EAST ELEVENTH PARK SUB L4 B2
E 4TH PL S
E 5TH ST S
E 6TH ST S
E 7TH ST S
E 11TH ST S
S 101ST E AVE
S 105TH E AVE
S 106TH E AVE
S 111TH E AVE
S 112TH E AVE
S 97TH E PL
S 98TH E AVE
S MINGO RD
S GARNETT RD
S HWY 169 EXPY
NB S HWY 169 EXPY
SB S HWY 169 EXPY
S HWY 169 OFRP E 11TH ST S
NB S HWY 169 OFRP E 11TH ST S
Projects under construction are not shown on Atlas*
S6-T19N-R14E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:176


127
176
233
128
234
129
178
235
RUTH-ANNE ACRES ADDN
ARCH FEARS ADDN
CRESCENT HGTS ADDN
OAKBROOK VILLAGE
PARK EAST ADDN
TWENTY-ONE MAGIC ADDN
86-N
87-N
S MINGO RD
E 11TH ST S
E 12TH ST S
E 13TH PL S
E 14TH ST S
E 15TH ST S
S 101ST E AVE
S 97TH E AVE
S 107TH E AVE
S HWY 169 EXPY
E 144 EXPY
E SKELLY DR
S7-T19N-R14E
0 200 400 600 800 Feet
Projects under construction are not shown on Atlas*
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:177

176 233 298

177 299

178 235 300



S8-T19N-R14E

0 200 400 600 800 Feet

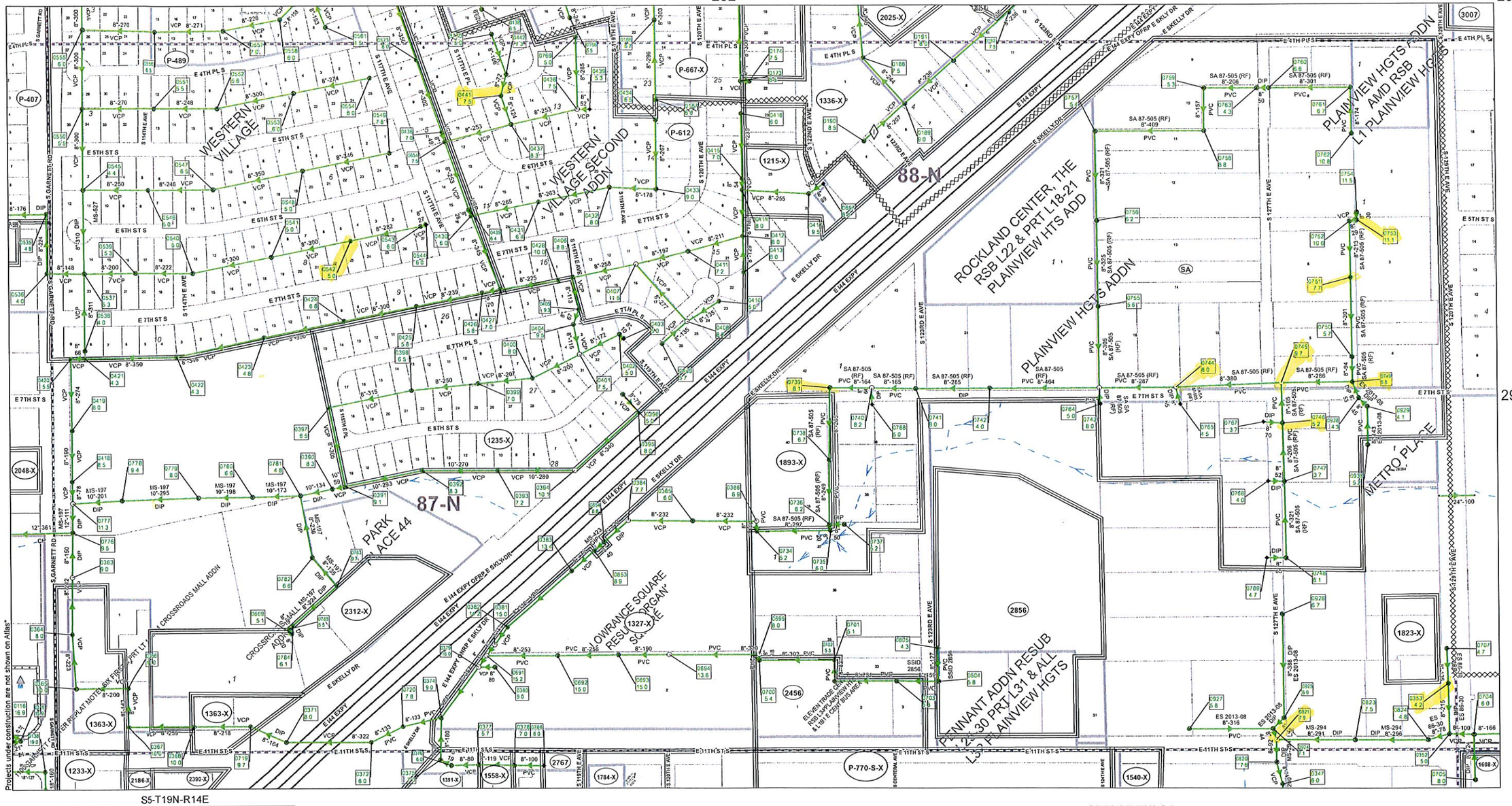
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

175 232 297

176 298

177 234 299



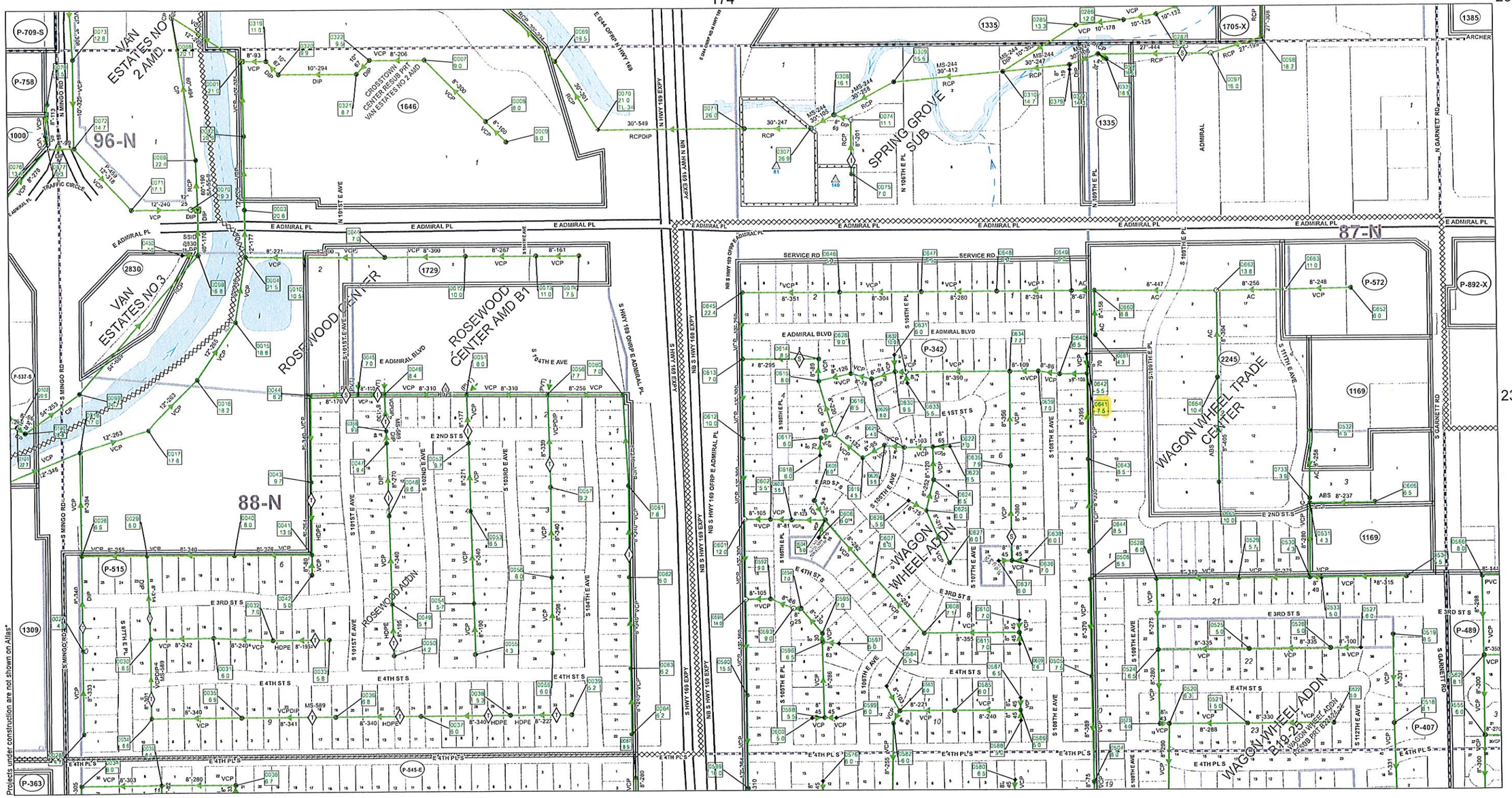
S5-T19N-R14E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 30

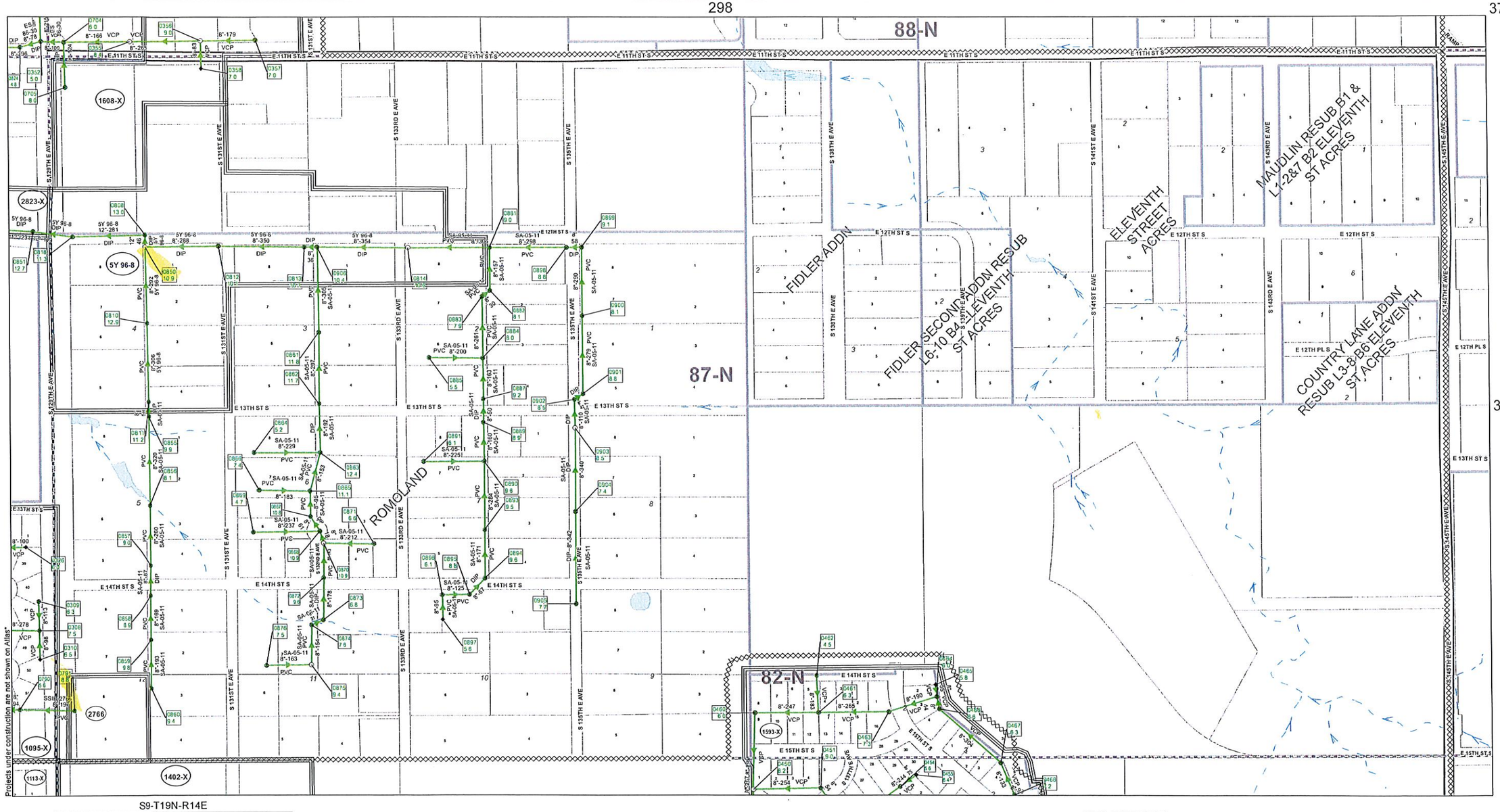

125
174
231
126
232
127
176
233
VAN ESTATES NO 2 AMD
96-N
VAN ESTATES NO.3
ROSEWOOD CENTER
ROSEWOOD CENTER AMD B1
88-N
ROSEWOOD ADDN
SPRING GROVE SUB
87-N
WAGON WHEEL TRADE CENTER
WAGON WHEEL ADDN
WAGON WHEEL ADDN B19-25
E ADMIRAL PL
E ADMIRAL BLVD
E 1ST ST S
E 2ND ST S
E 3RD ST S
E 4TH ST S
E 4TH PL S
S 101ST E AVE
S 103RD E AVE
S 104TH E AVE
S 107TH E AVE
S 108TH E AVE
S 109TH E PL
S 112TH E AVE
S MINGO RD
N MINGO RD
S GARNETT RD
N GARNETT RD
ADMIRAL
ARCHER
SERVICE RD
N HWY 169 EXPY
S HWY 169 EXPY
NB S HWY 169 EXPY
SB S HWY 169 EXPY
Projects under construction are not shown on Atlas*
S6-T19N-R14E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:175

SHEET 31

233 298 371

234 372

235 300 373



S9-T19N-R14E

0 200 400 600 800 Feet

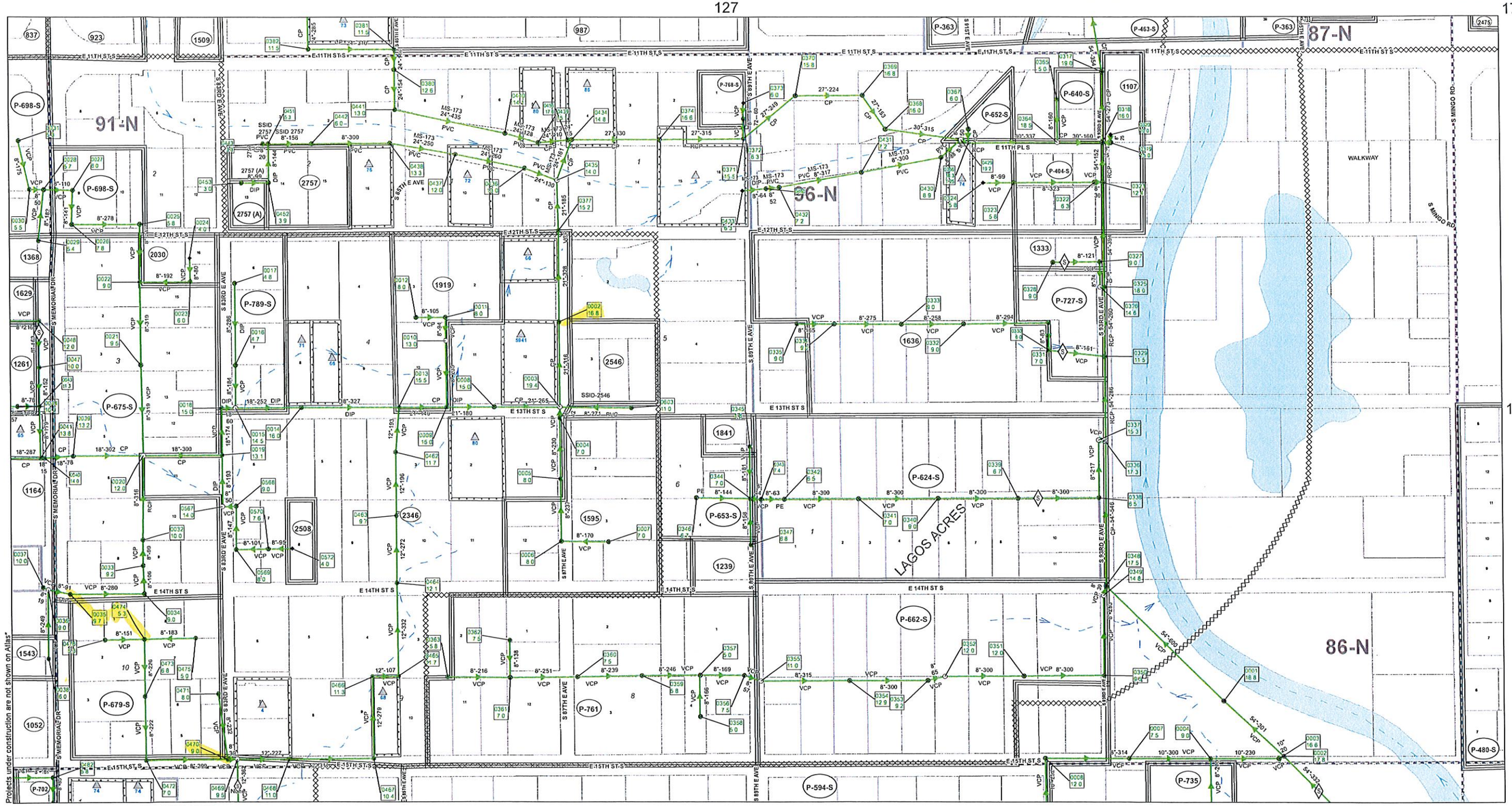
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

86 127 176

87 177

88 129 178



S12-T19N-R13E

0 200 400 600 800 Feet

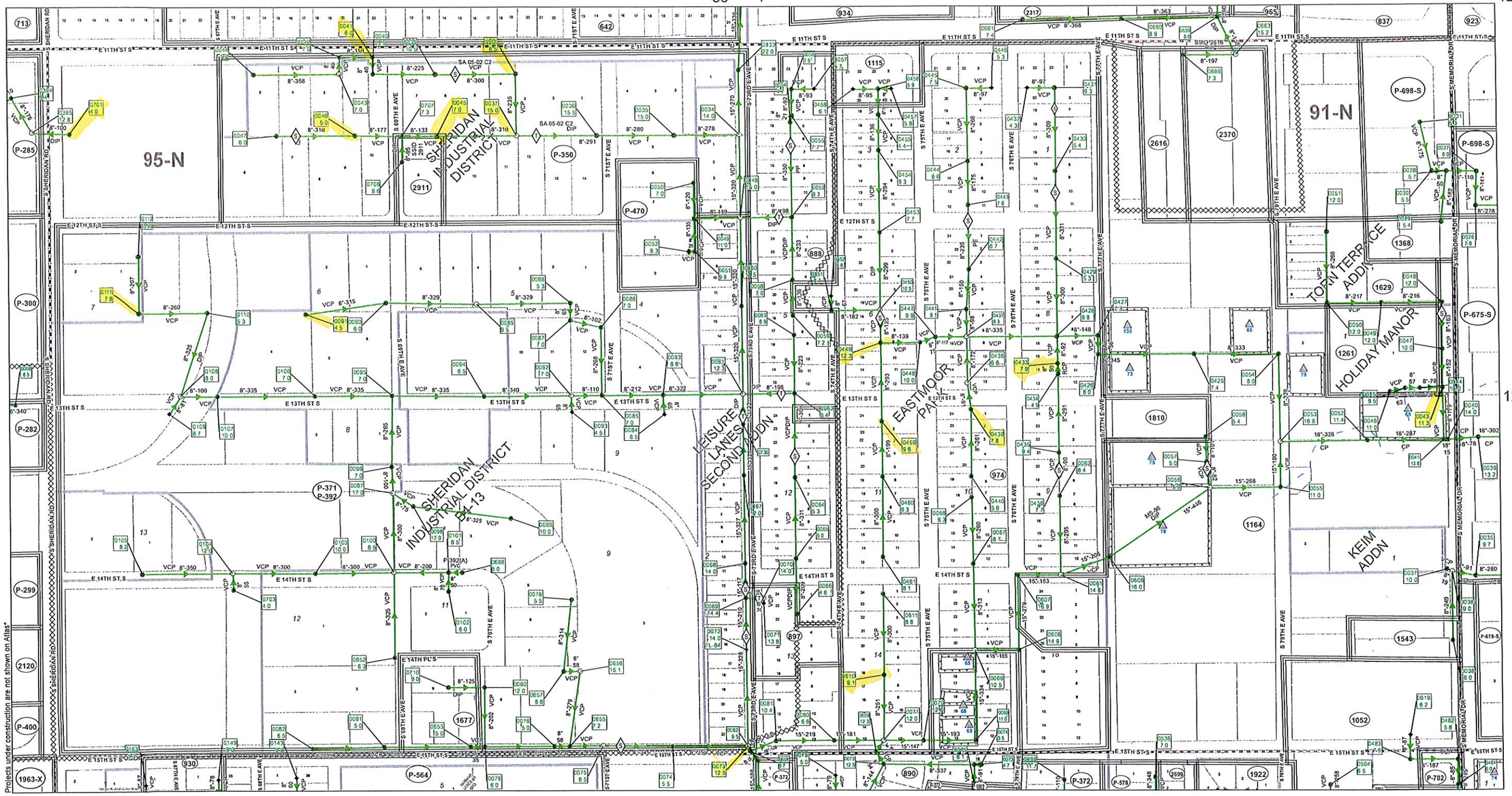
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

53 86 127

54 128

55 88 129



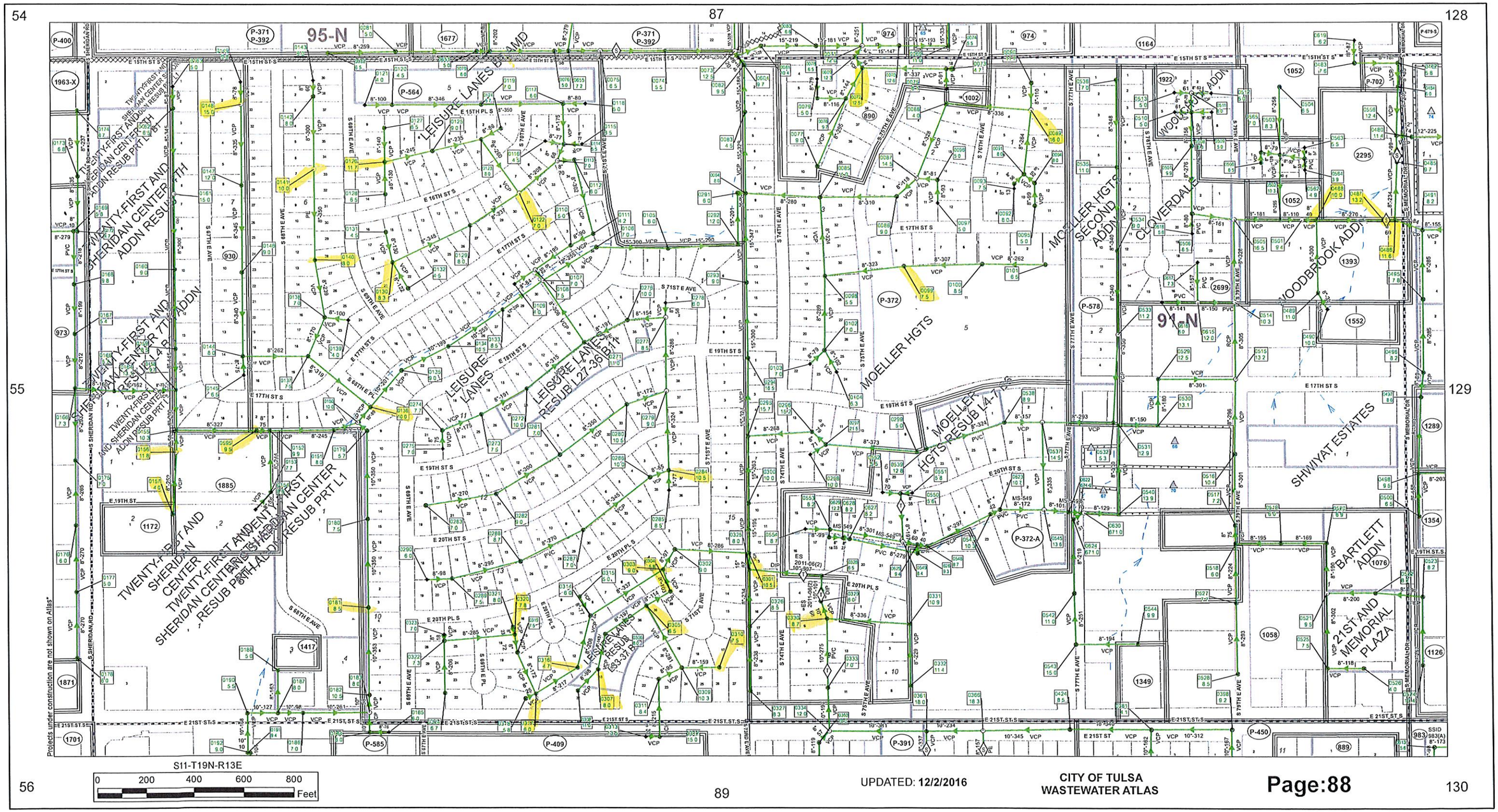
S11-T19N-R13E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 34

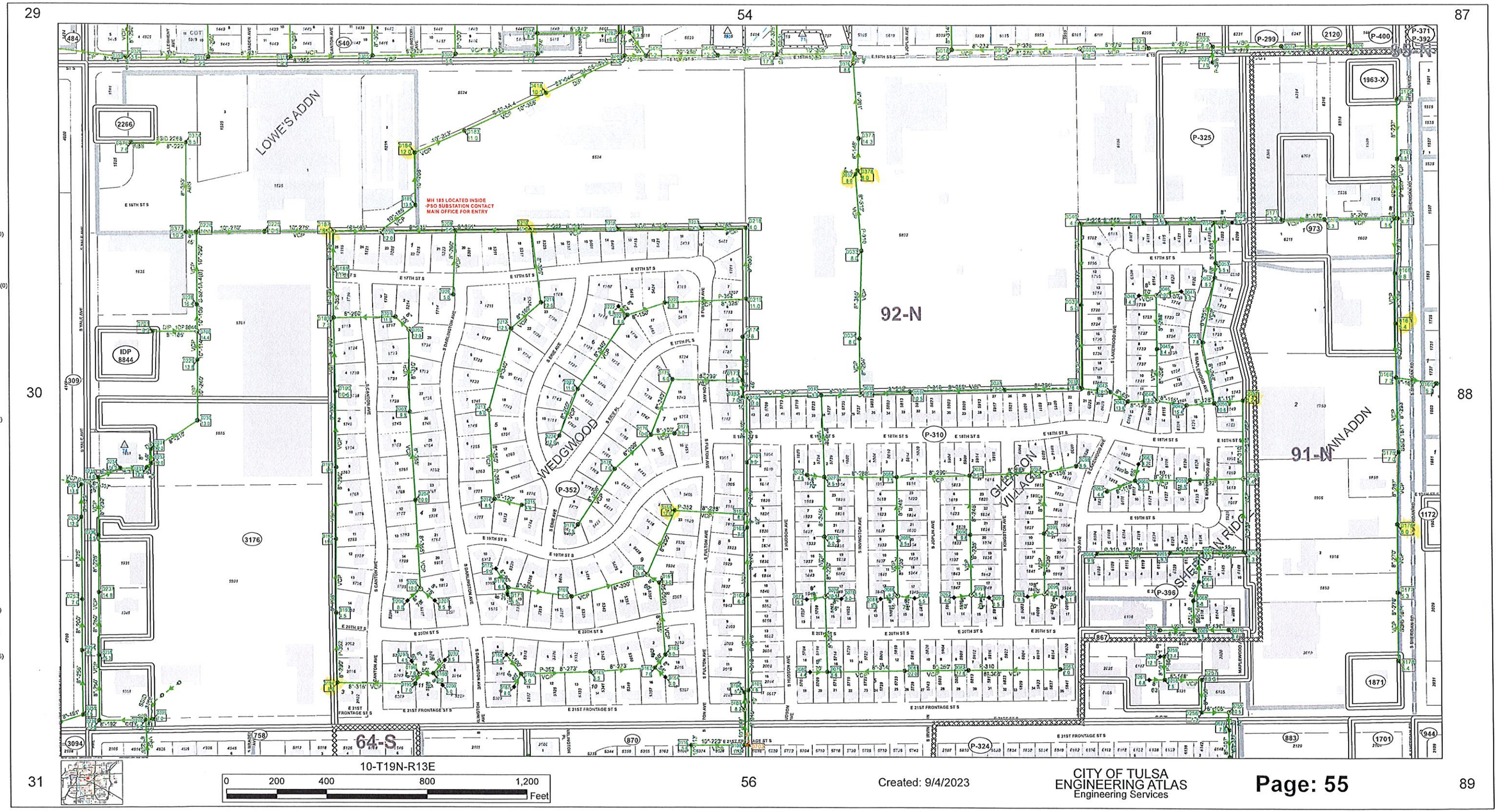

54
87
128
55
129
56
89
130
95-N
91-N
LEISURE LANES BLAND
LEISURE LANES
LEISURE LANES RESUB L27-36 B11
LEISURE LANES RESUB L93-37 B2
TWENTY-FIRST AND SHERIDAN CENTER ADDN RESUB PRT L4 B1
TWENTY-FIRST AND SHERIDAN CENTER ADDN RESUB PRT L7 ADDN
TWENTY-FIRST AND SHERIDAN CENTER ADDN RESUB PRT L1
TWENTY-FIRST AND SHERIDAN CENTER ADDN RESUB PRT L1 B1
MOELLER HGTS
MOELLER HGTS RESUB L4-7
MOELLER HGTS SECOND ADDN
CLOVERDALE
WOODCROFT ADDN
WOODBROOK ADDN
SHWIYAT ESTATES
BARTLETT ADDN
21ST AND MEMORIAL PLAZA
S 71ST E AVE
S 69TH E AVE
S 68TH E AVE
S 67TH E AVE
S 76TH E AVE
S 77TH E AVE
S 79TH E AVE
S MEMORIAL DR
S SHERIDAN RD
E 15TH ST S
E 15TH PL S
E 16TH ST S
E 17TH ST S
E 18TH ST S
E 19TH ST S
E 19TH ST
E 20TH ST S
E 20TH PL S
E 21ST ST S
E 21ST ST
Projects under construction are not shown on Atlas*
S11-T19N-R13E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:88

SHEET 35

29 54 87

30 88

31 56 89



10-T19N-R13E

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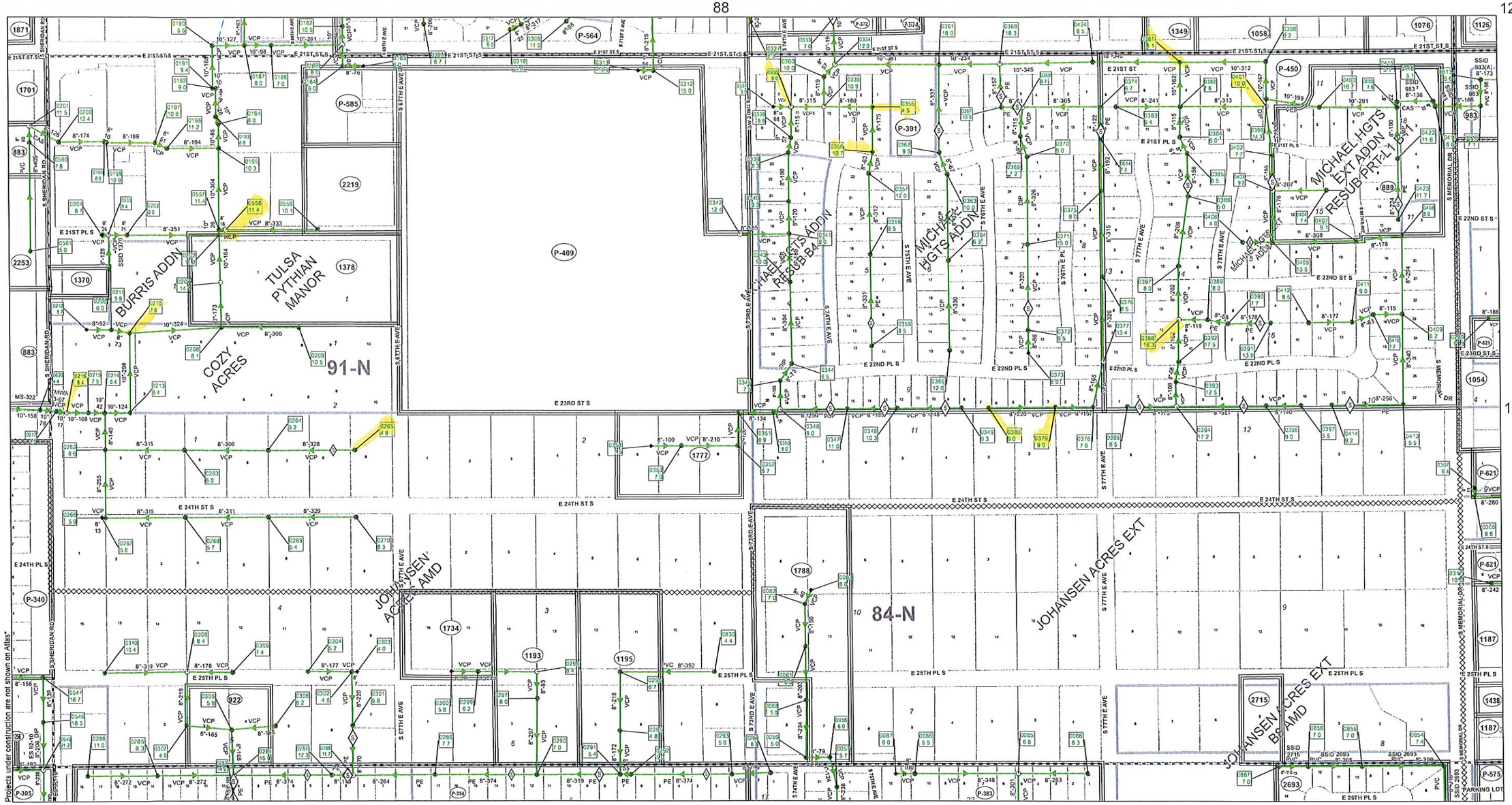
Created: 9/4/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

Page: 55

SHEET 36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88
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131
TULSA PYTHIAN MANOR
BURRIS ADDN
COZY ACRES
91-N
84-N
JOHANSEN ACRES EXT
JOHANSEN ACRES EXT BC AMD
MICHAEL HGTS EXT ADDN RESUB PRT L 1 BLK 1
MICHAEL HGTS ADDN
E 23RD ST S
E 24TH ST S
E 25TH PL S
E 26TH PL S
E 21ST ST S
E 22ND ST S
S 77TH E AVE
S SHERIDAN RD
S MEMORIAL DR
Projects under construction are not shown on Atlas*
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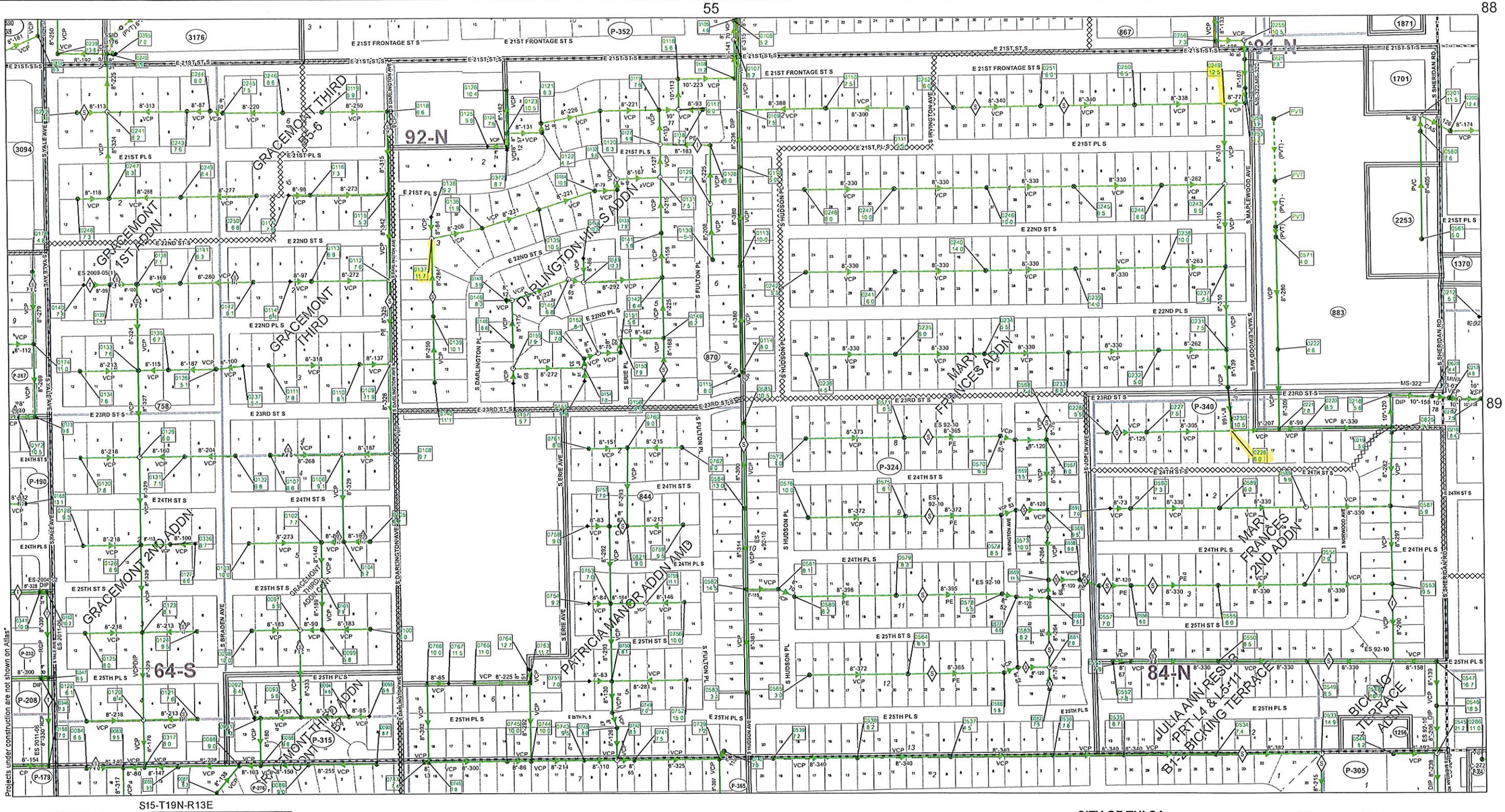
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:89

SHEET 37



UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

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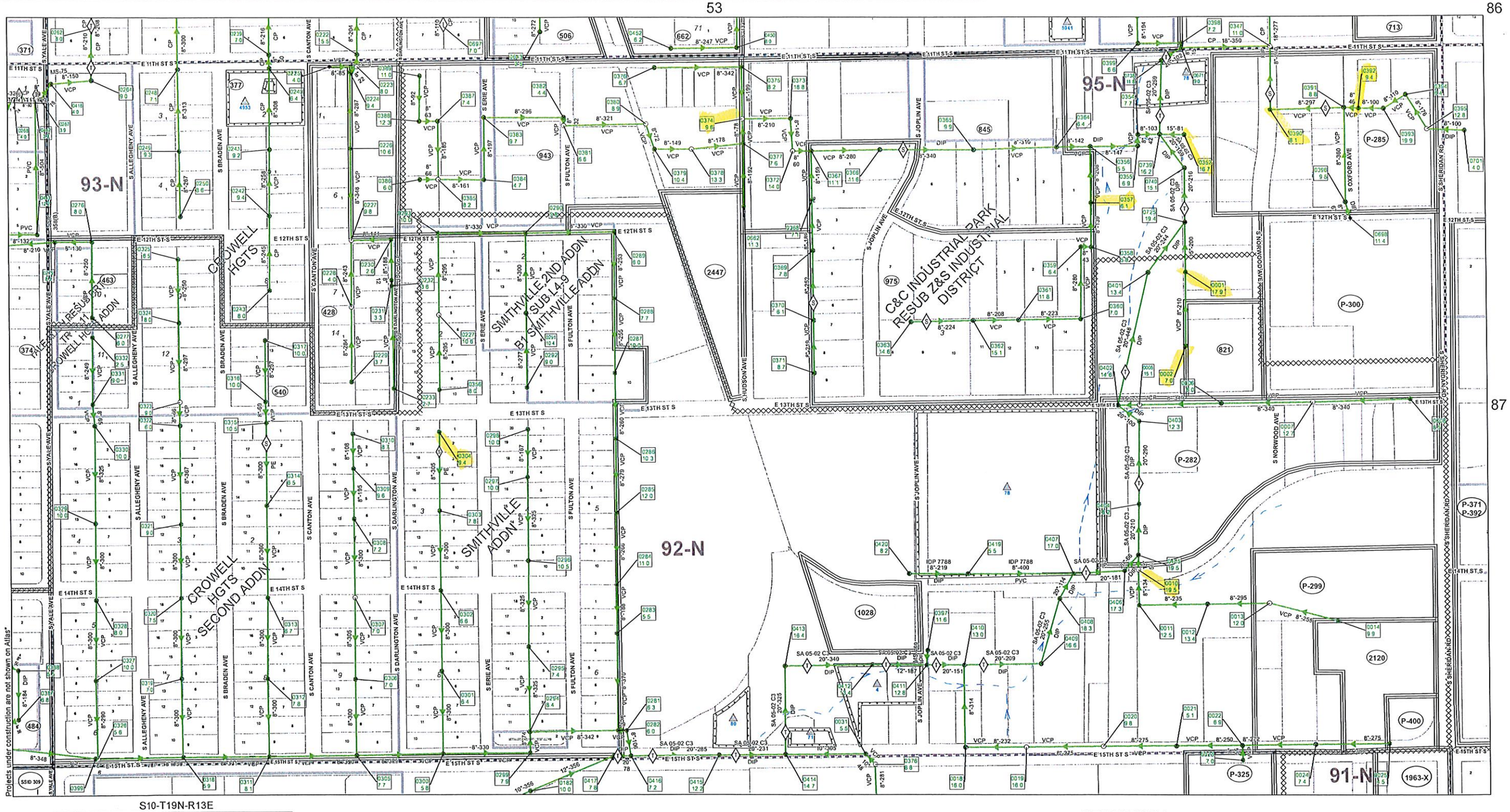
29 87

30 55 88



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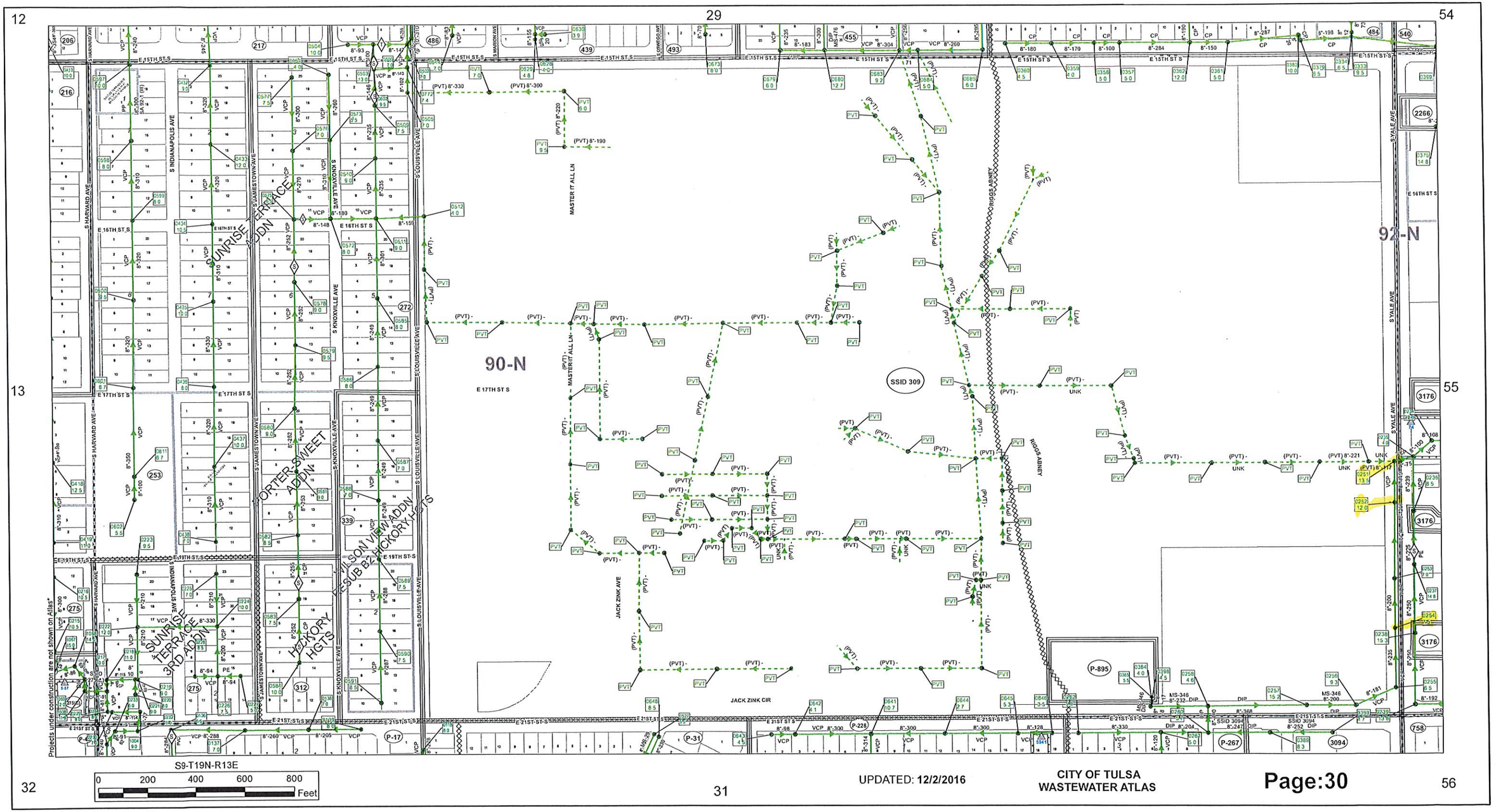
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS


12
29
54
13
55
32
31
56
90-N
92-N
E 17TH ST S
E 15TH ST S
E 16TH ST S
E 19TH ST S
E 21ST ST S
S HARVARD AVE
S INDIANAPOLIS AVE
S JAMESTOWN AVE
S KNOXVILLE AVE
S LOUISVILLE AVE
S VALE AVE
MASTER IT ALL LN
RIGGS ABNEY
JACK ZINK AVE
JACK ZINK CIR
SUNRISE TERRACE ADDN
PORTER-SWEET ADDN
WILSON VIEW ADDN
HICKORY HGTS
SUNRISE TERRACE 3RD ADDN
SSID 309
SSID 3094
P-895
P-267
P-31
P-17
P-228
Projects under construction are not shown on Atlas*
S9-T19N-R13E
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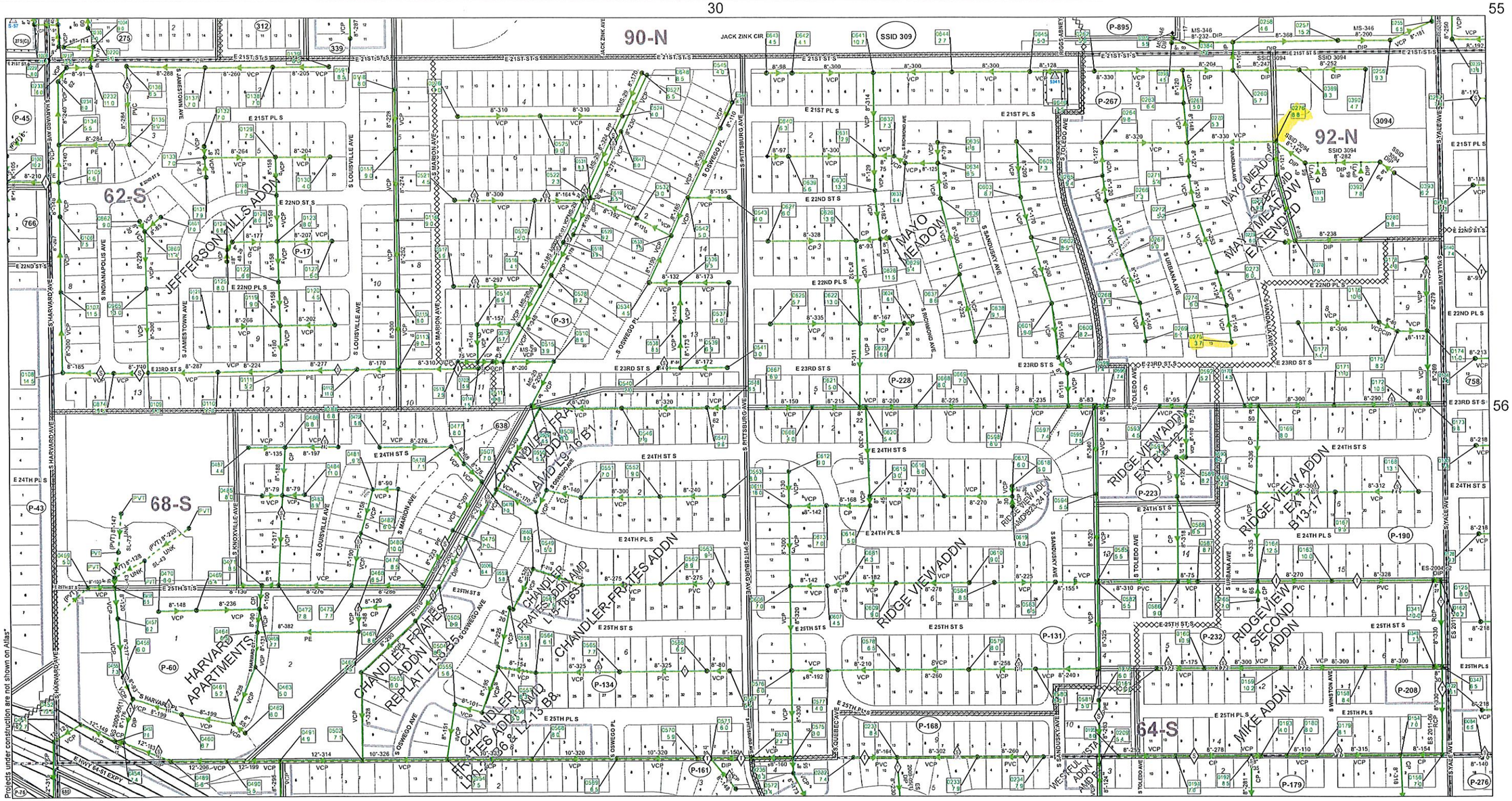
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS

SHEET 40

13 30 55

32 56



S16-T19N-R13E

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UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

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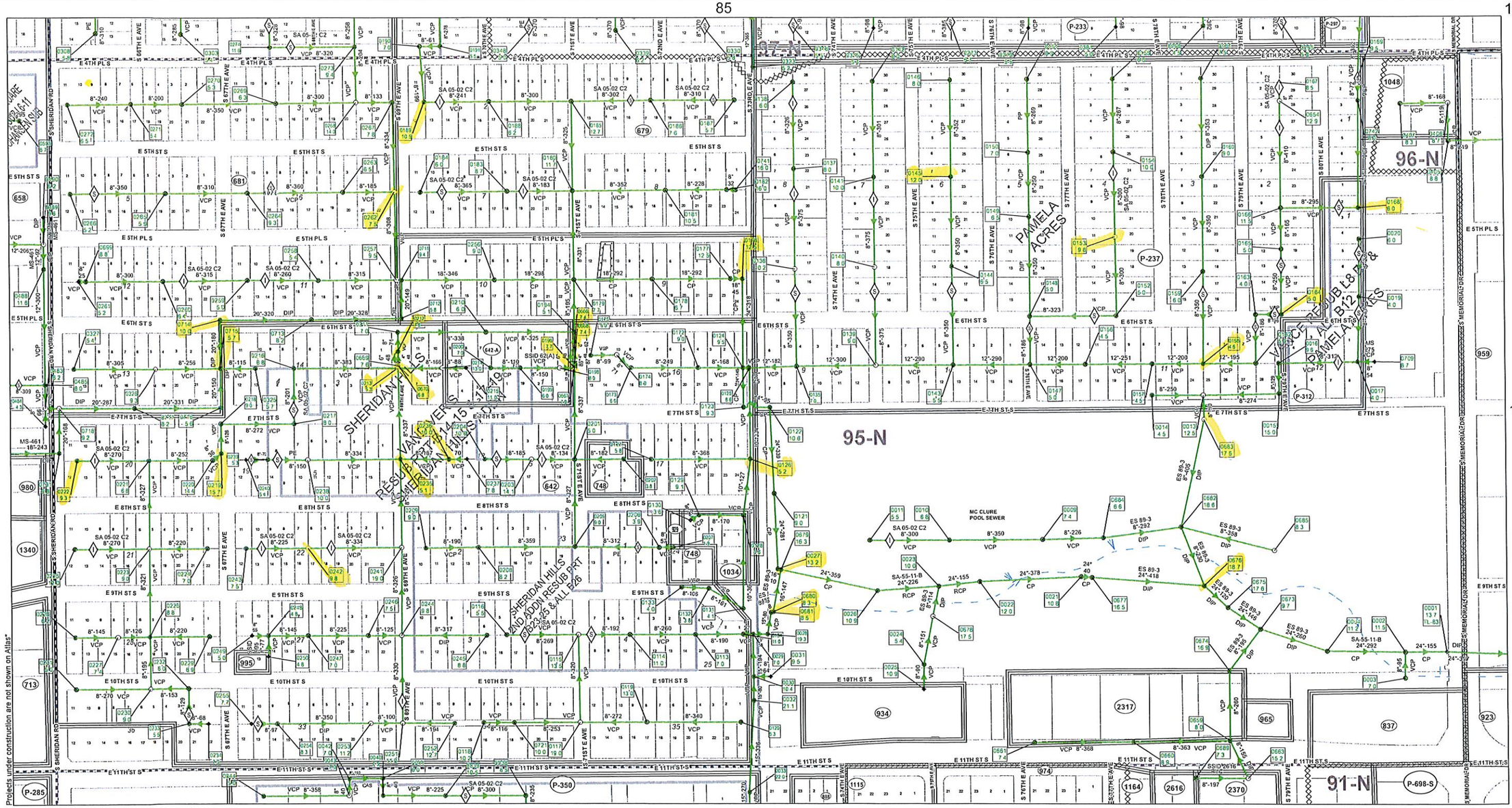
53 127

54 87 128



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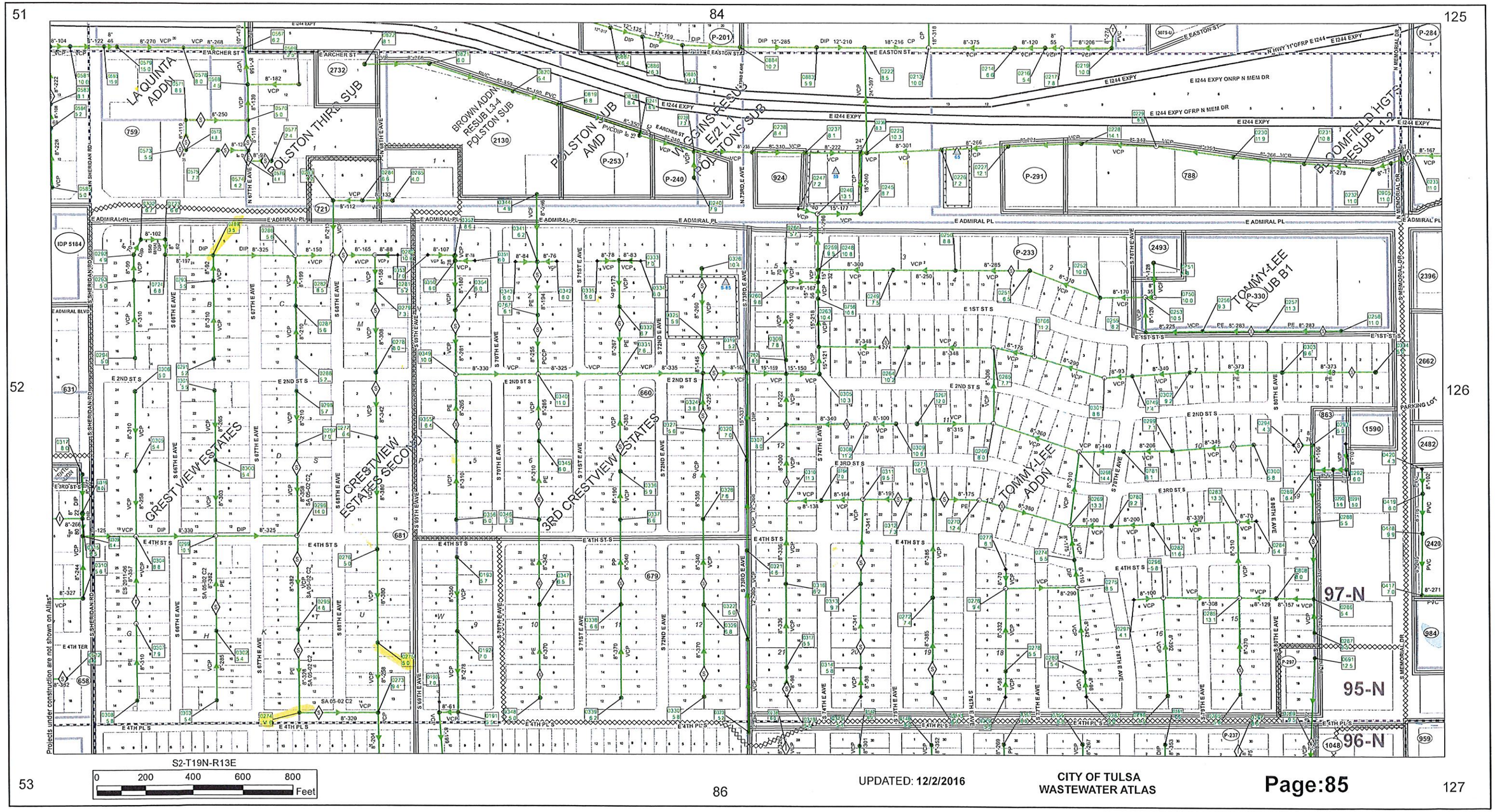
UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS



UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 43

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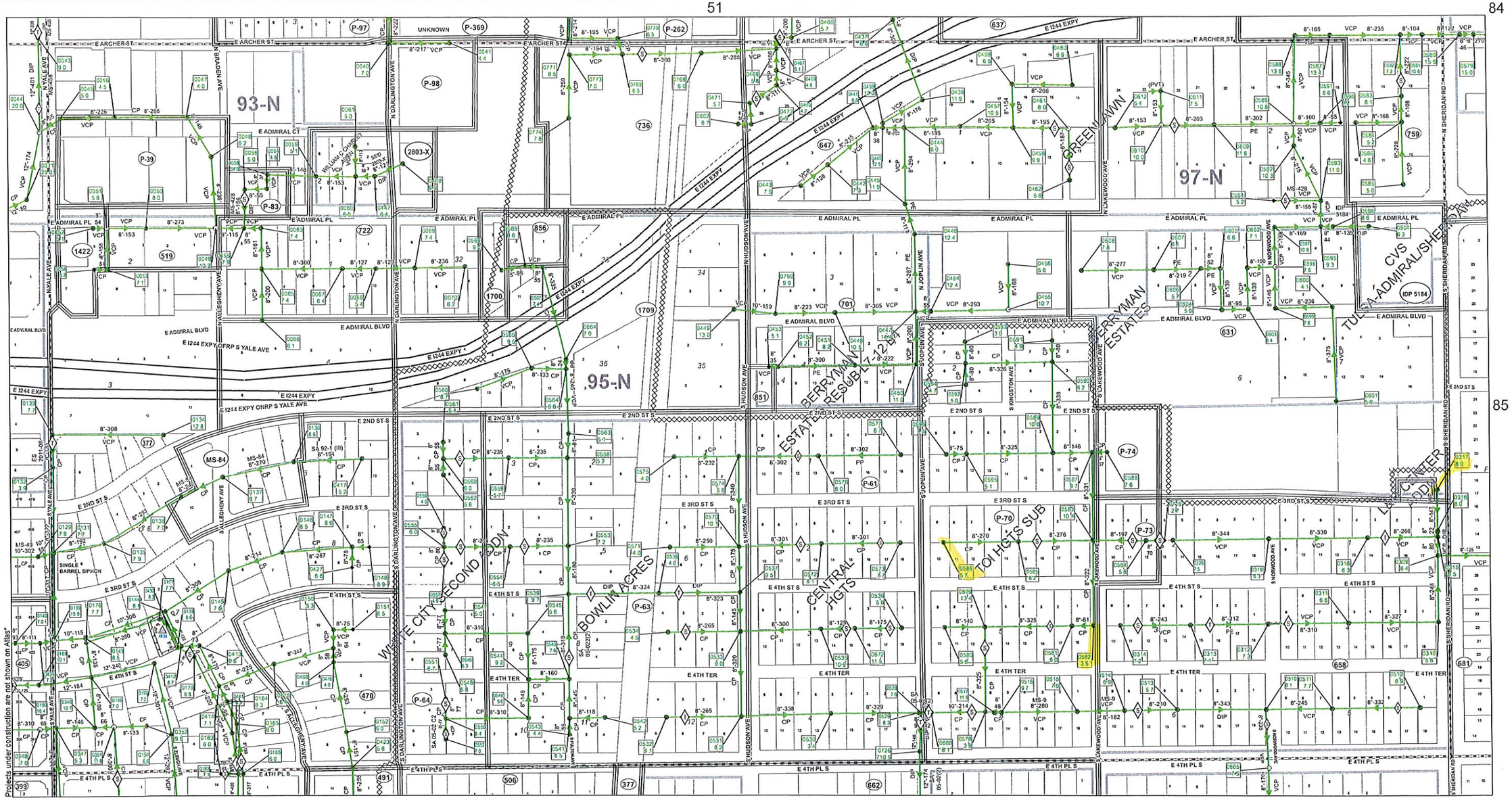
27 85

28 53 86



S3-T19N-R13E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

Projects under construction are not shown on Atlas*

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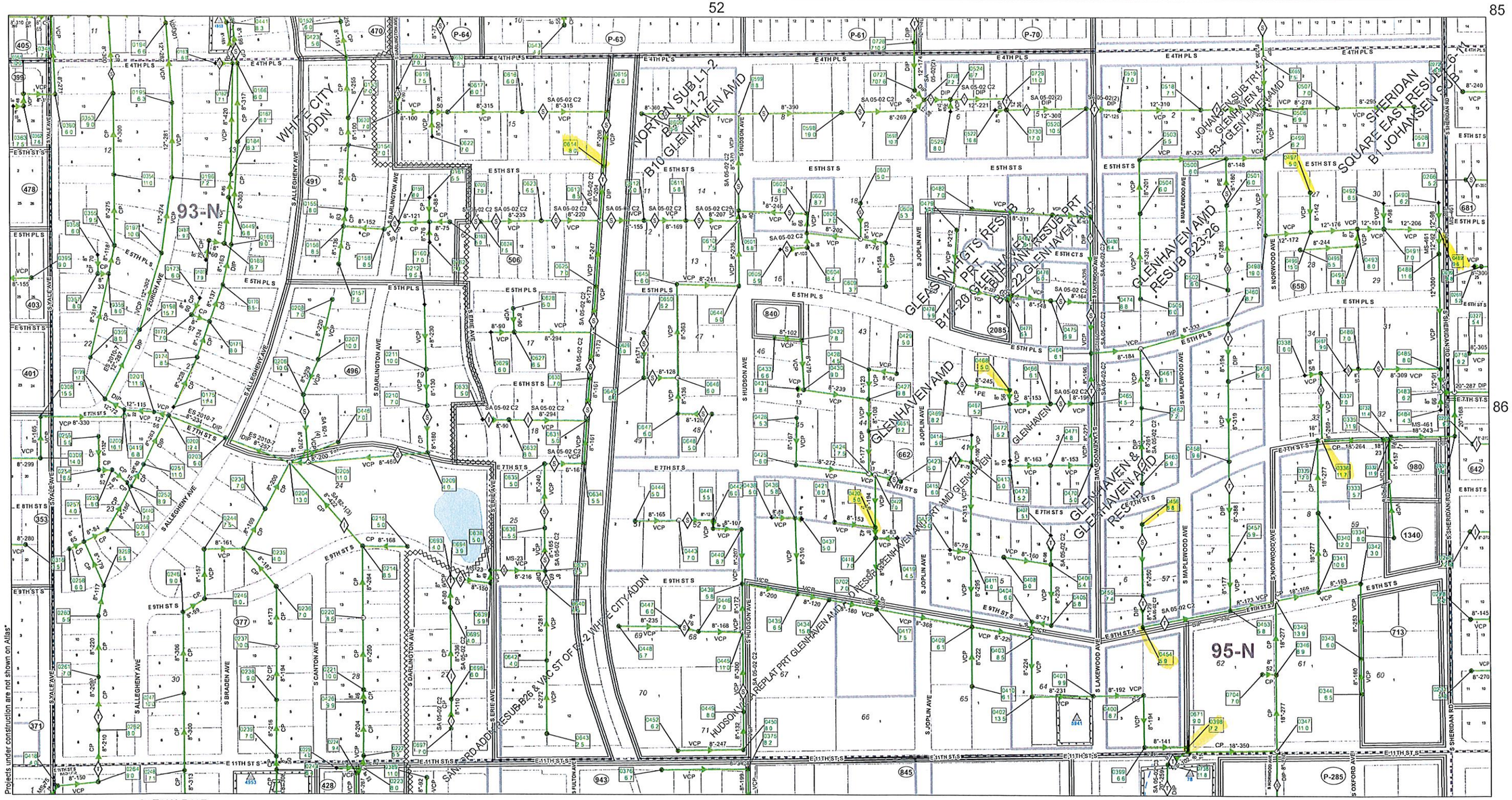
28 86



S3-T19N-R13E

0 200 400 600 800 Feet

29 54

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

87

TMUA PROJECT NO. ES 2025-SOM2

TULSA MANHOLE CONDITION ASSESSMENT

FINAL MANHOLE REHABILITATION SCHEDULE

							REHABILITATION METHOD																					
							COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE Fr REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE Fr REPAIR (EA) - PAVED	
							STANDARD SPECIFICATION NO.																					
Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	ADDITIONAL INFORMATION
Add Alt 1																														
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45	22-N	613	022-0026	351 E 57 Pl N	8.49	Non-Paved	1	2.49																						
45	22-N	613	022-0028	345 E 57 Pl N	10.21	Non-Paved			1	4.2																				
45	22-N	613	022-0044	5821 N Frankfort Ave	9.23	Non-Paved	1	3.23																						
45	22-N	613	022-0050	539 E 59 St N	8.31	Non-Paved	1	2.31																						
45	22-N	613	022-0074	216 E 61 St N	8.4	Non-Paved					1																			
46	22-N	716	022-0078	375 E 61 St N	4.7	Non-Paved							1								71.6									
47	22-N	715	022-0113	6397 N Boulder Ave	4.64	Non-Paved	1																							
47	22-N	715	022-0169	321 W 62 St N	6.04	Non-Paved	1	0.04																						
47	22-N	715	022-0173	305 W 62 Pl N	5.52	Non-Paved	1																							
47	22-N	715	022-0188	6509 N Elwood Ave	8.64	Non-Paved	1	2.64																						
47	22-N	715	022-0205	225 W 65 Pl N	6.2	Non-Paved																	1			1				
45	22-N	613	022-0211	304 E 57 Pl N	5	Non-Paved							1																	
48	22-N	612	022-0214	5720 N Martin Luther King Jr Blvd	6.7	Paved								1																
49	89-N	228	089-0221	11324 E Apache St	7.4	Non-Paved					1										105.6		1							
50	89-N	226	089-0304	3200 N Garnett	12.8	Non-Paved											1									1				Tulsa International Raceway
51	89-N	227	089-0307	11401 E 27 St N	6.1	Non-Paved											1						1			1				
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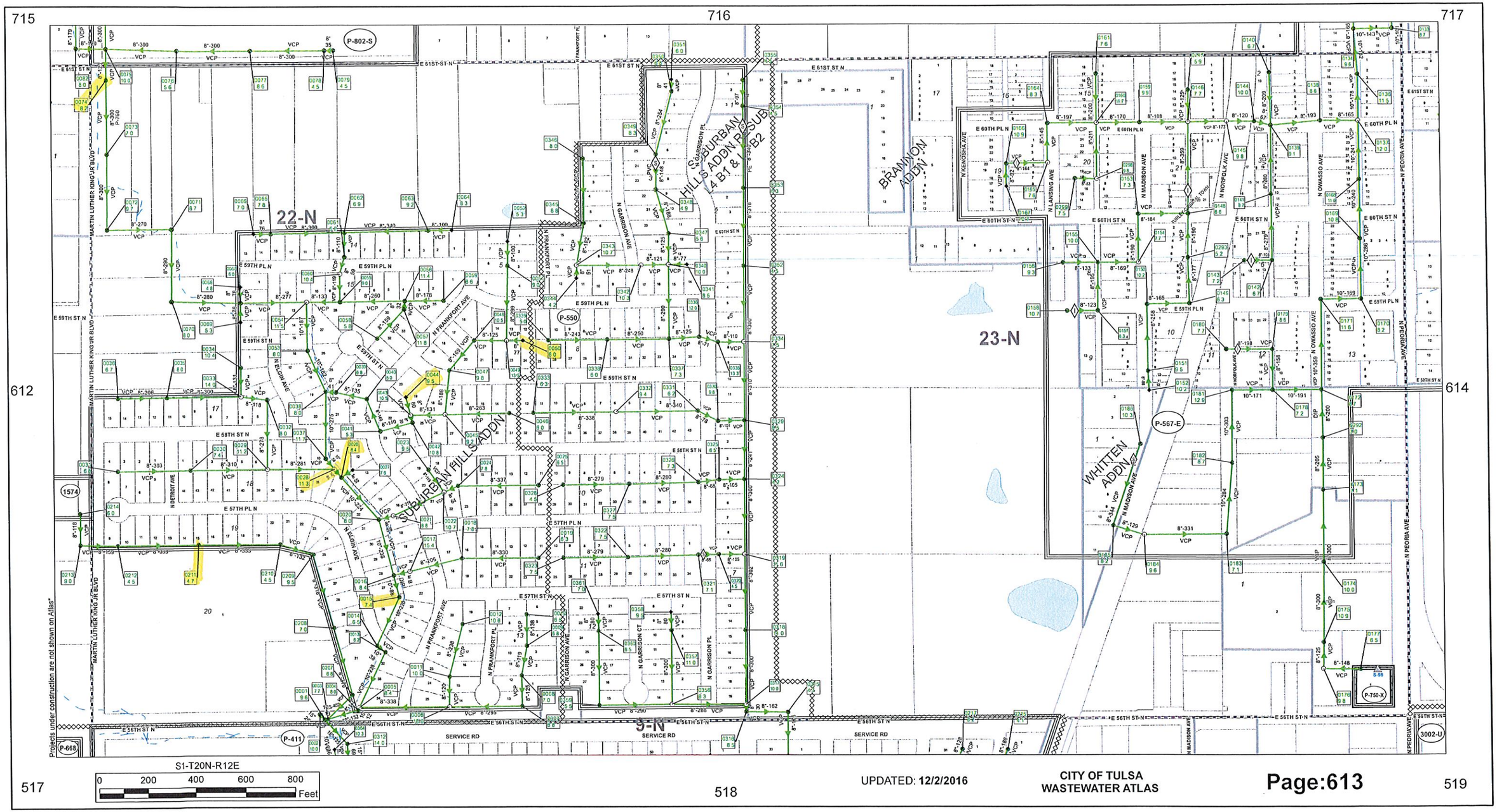
SHEET 45



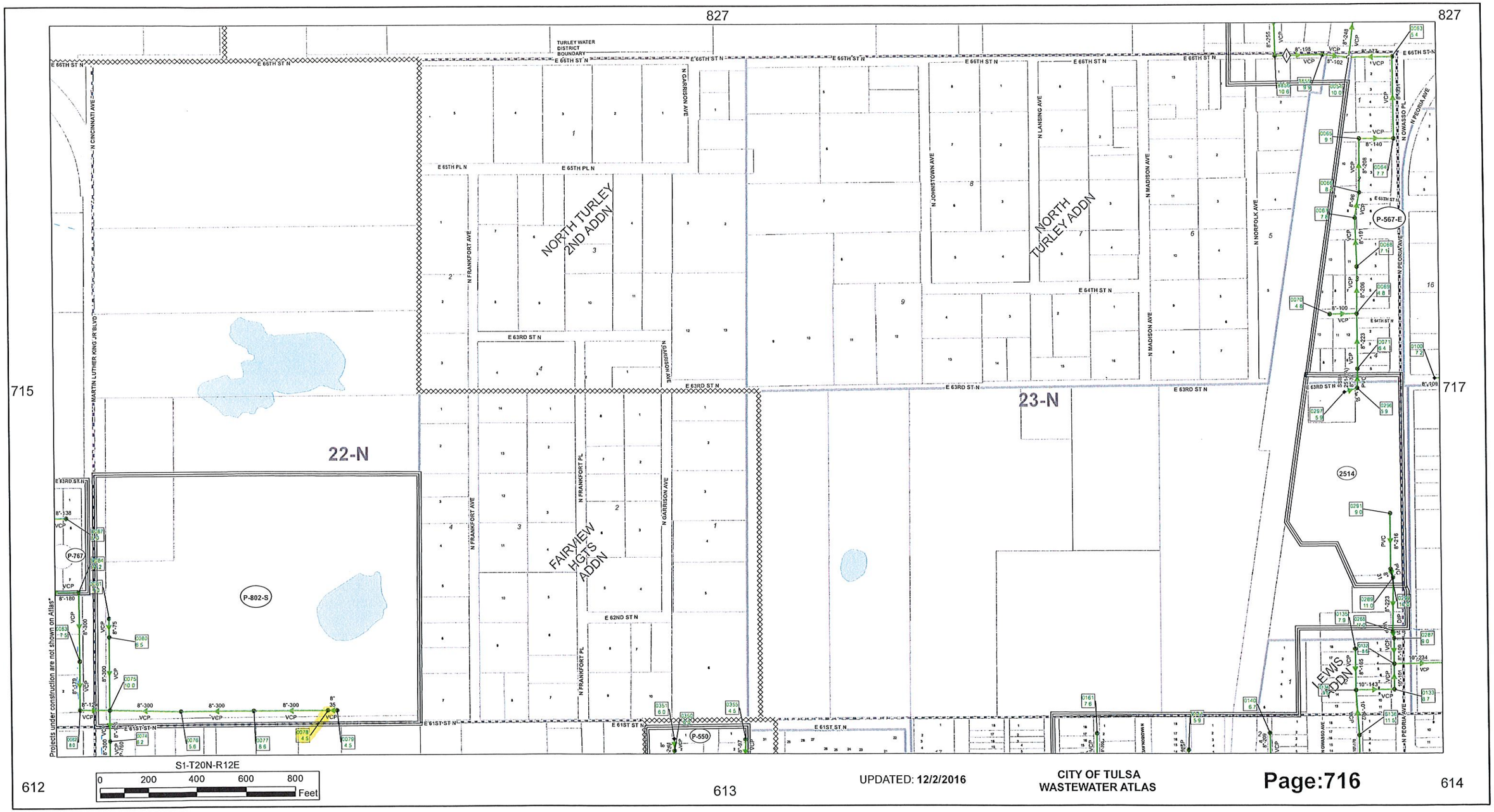
S1-T20N-R12E

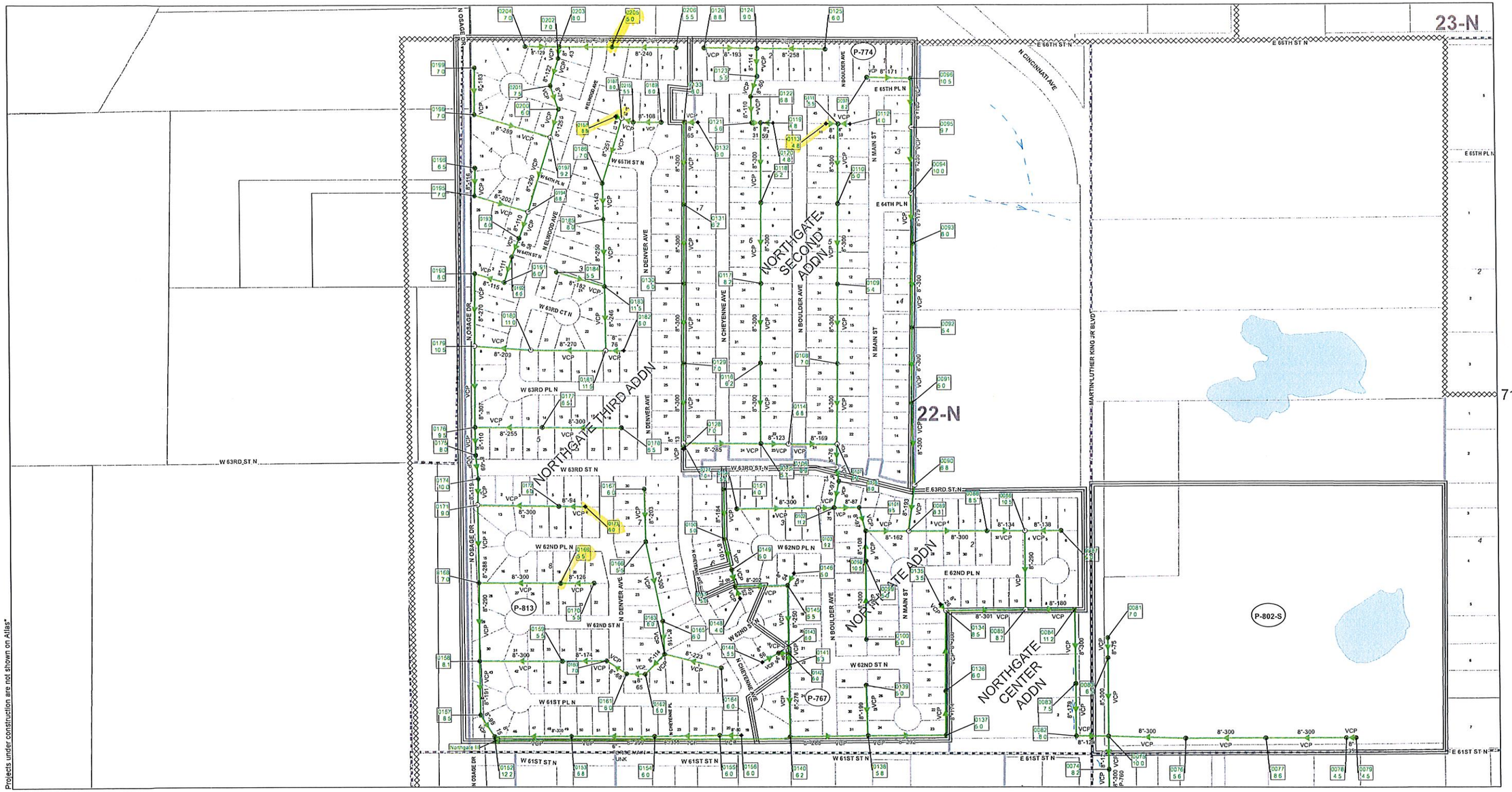
0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 46


827
827
715
717
612
613
614
TURLEY WATER DISTRICT BOUNDARY
E 66TH ST N
E 65TH PL N
E 64TH ST N
E 63RD ST N
E 62ND ST N
E 61ST ST N
N CINCINNATI AVE
MARTIN LUTHER KING JR BLVD
N FRANKFORT AVE
N FRANKFORT PL
N GARRISON AVE
N JOHNSTOWN AVE
N LANSING AVE
N MADISON AVE
N NORFOLK AVE
N OWASSO PL
N PEORIA AVE
NORTH TURLEY 2ND ADDN
NORTH TURLEY ADDN
FAIRVIEW HGTS ADDN
LEWIS ADDN
22-N
23-N
2514
P-567-E
P-802-S
P-767
P-559
Projects under construction are not shown on Atlas*
S1-T20N-R12E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:716



S2-T20N-R12E

0 200 400 600 800 Feet

715

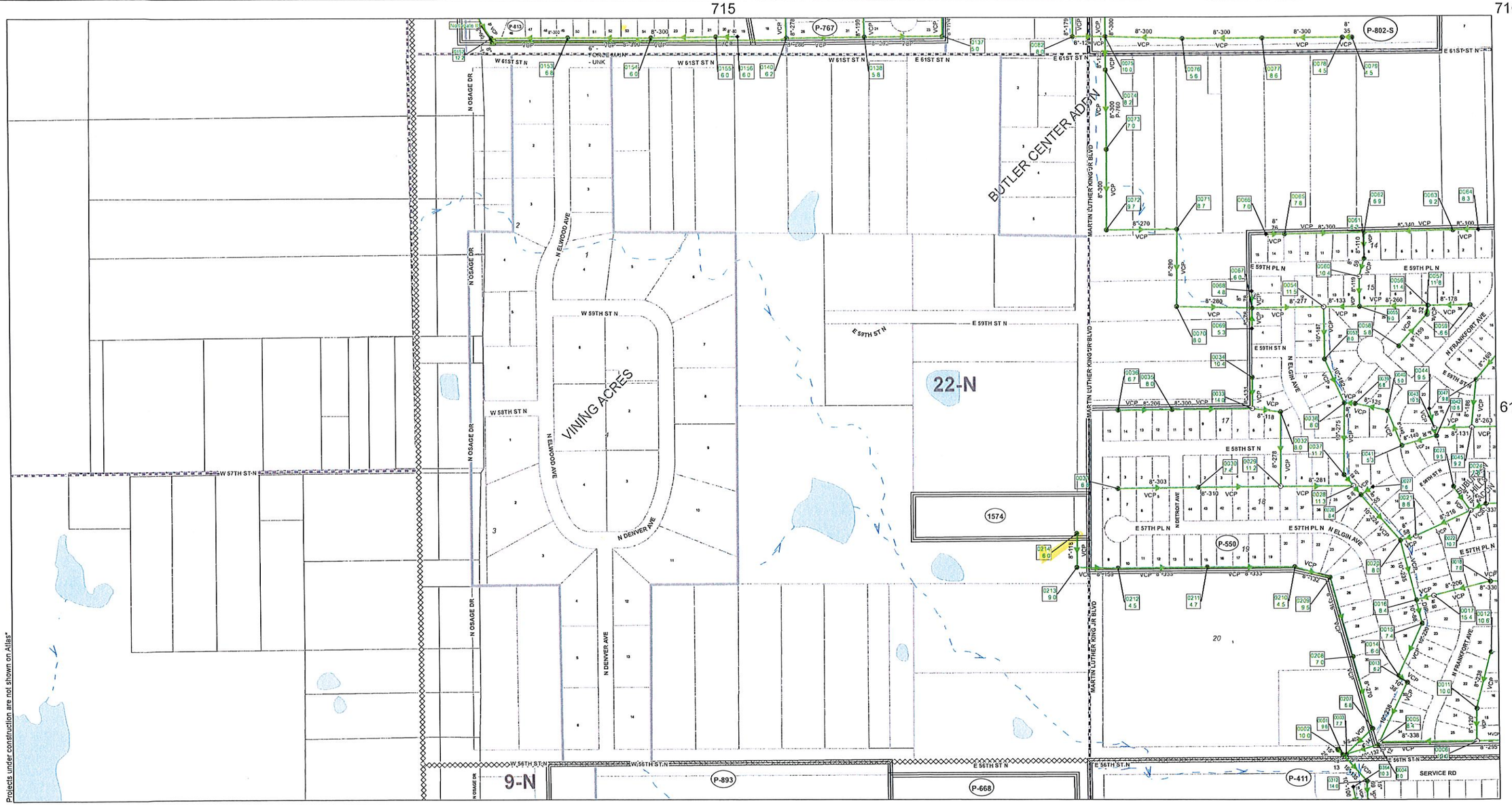
716

613

611

517

518



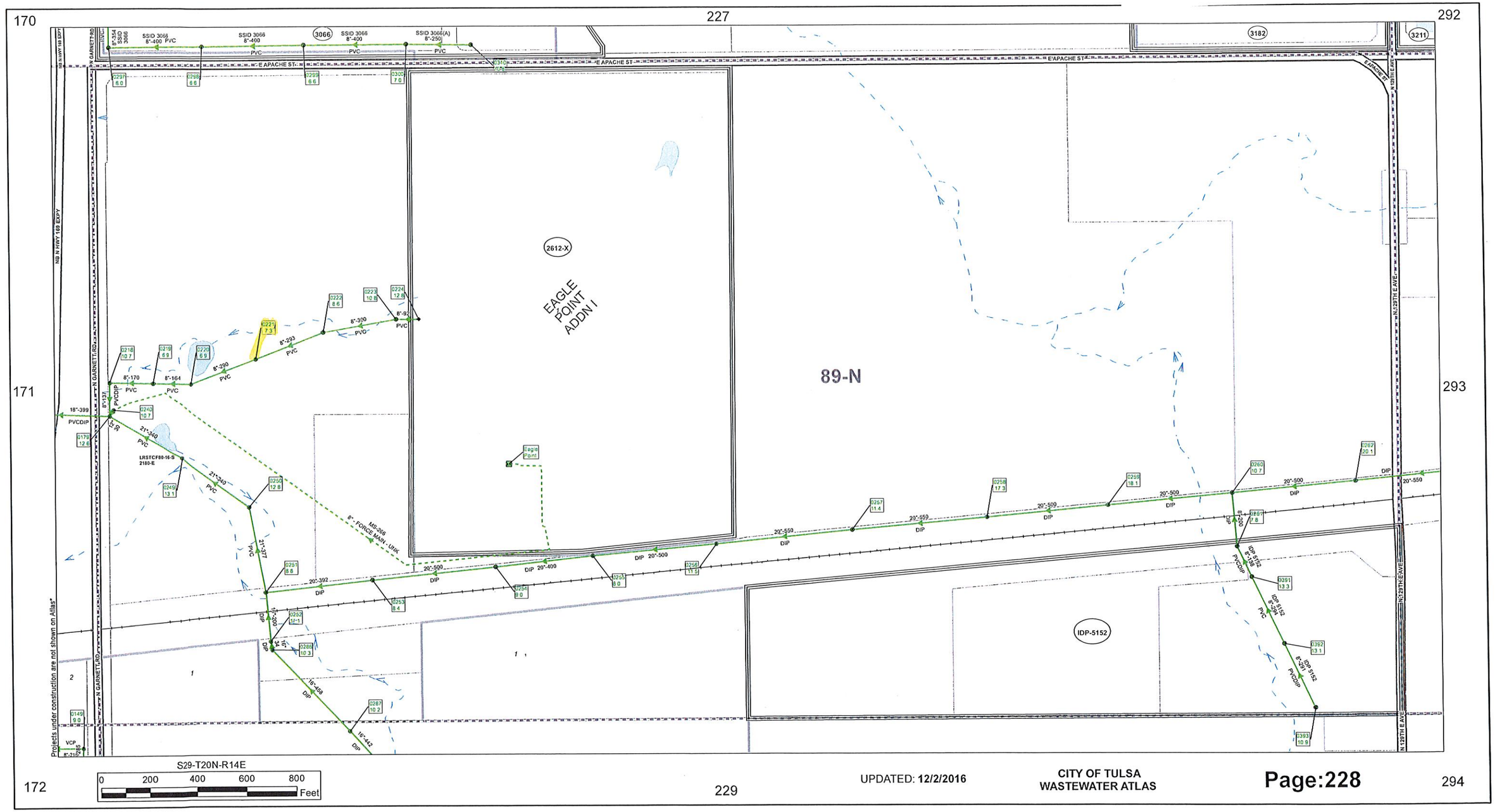
S2-T20N-R12E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

SHEET 49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227
292
171
293
172
229
294
E APACHE ST
N GARNETT RD
N 129TH E AVE
NB N HWY 169 EXPY
2612-X
EAGLE POINT ADDN I
89-N
IDP-5152
3066
3182
3211
SSID 3066 8"-400 PVC
SSID 3066 8"-400
SSID 3066 8"-400
SSID 3066(A) 8"-250
LRSTCF80-16-S 2185-E
MS-566 8" - FORCE MAIN - UNK
Projects under construction are not shown on Atlas*
S29-T20N-R14E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:228

SHEET 50

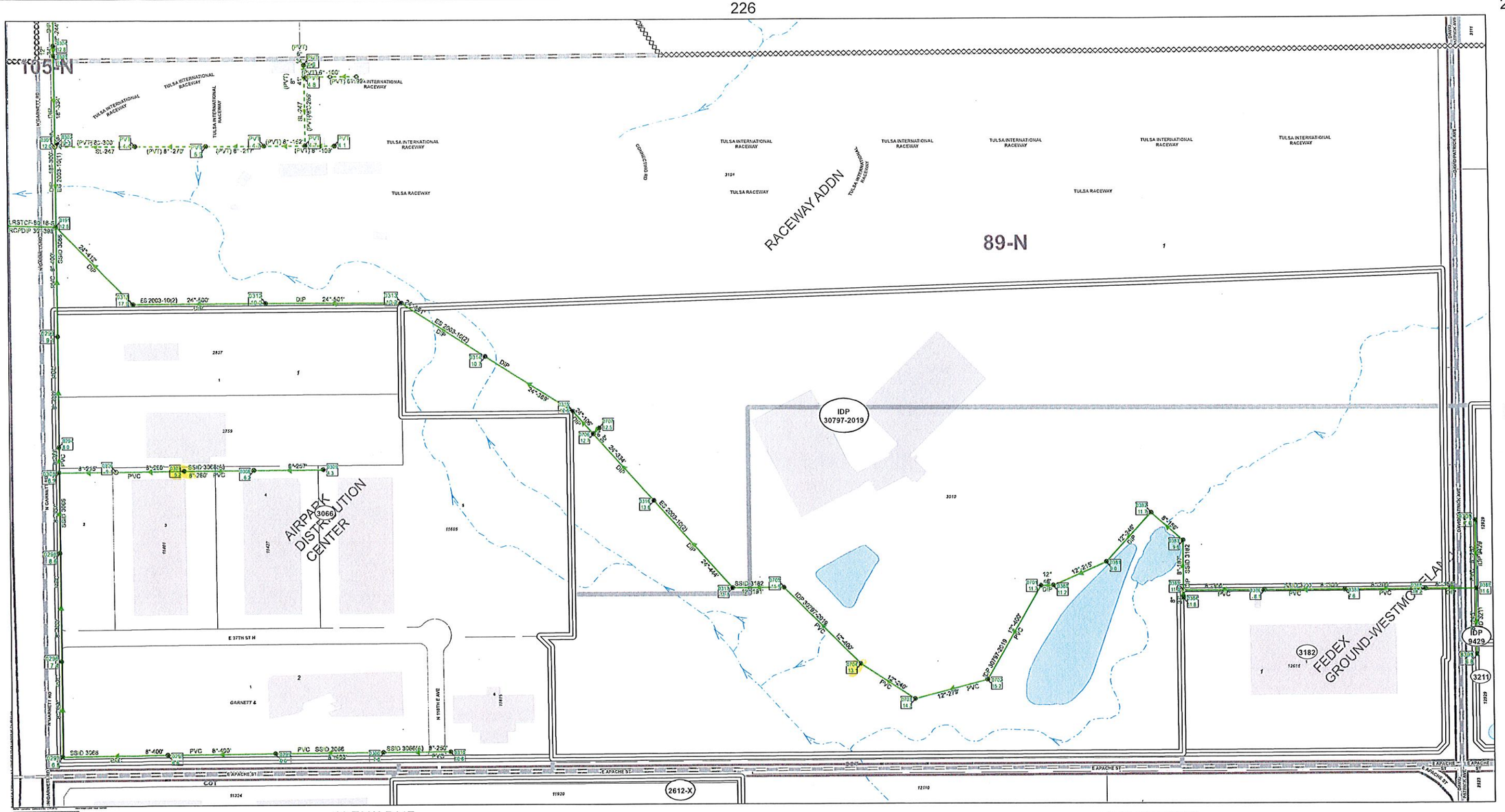
288
289
290
225
291
170
227
292
105-N
89-N
E 36TH ST N
RAMP
N GARNETT RD
NB N HWY 169 EXPY
NB N HWY 169 ONRP E 36TH ST N
NB N HWY 169 OFRP N GRNT RD
N 129TH E AVE
E 32ND ST N
TULSA INTERNATIONAL RACEWAY
Projects under construction are not shown on Atlas*
S20-T20N-R14E
0 200 400 600 800 Feet
UPDATED: 12/2/2016
CITY OF TULSA
WASTEWATER ATLAS
Page:226

SHEET 51

225 226 291

170 292

171 228 293



ss Cleanout
- ss Cleanout (3)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (3)
- Lamphole (1)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (8)
- Special Drop MH (1)
- Special Perm Flow Monitor (0)
- Standard MH (39)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (46)

ss GravityMain-PVT
- ss GravityMain-PVT (10)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (2)

ss ImprovementDistrict
- ss ImprovementDistrict (6)

ss Encroachment
- ss Encroachment (0)

20-T20N-R14E

0 200 400 800 1,200 Feet

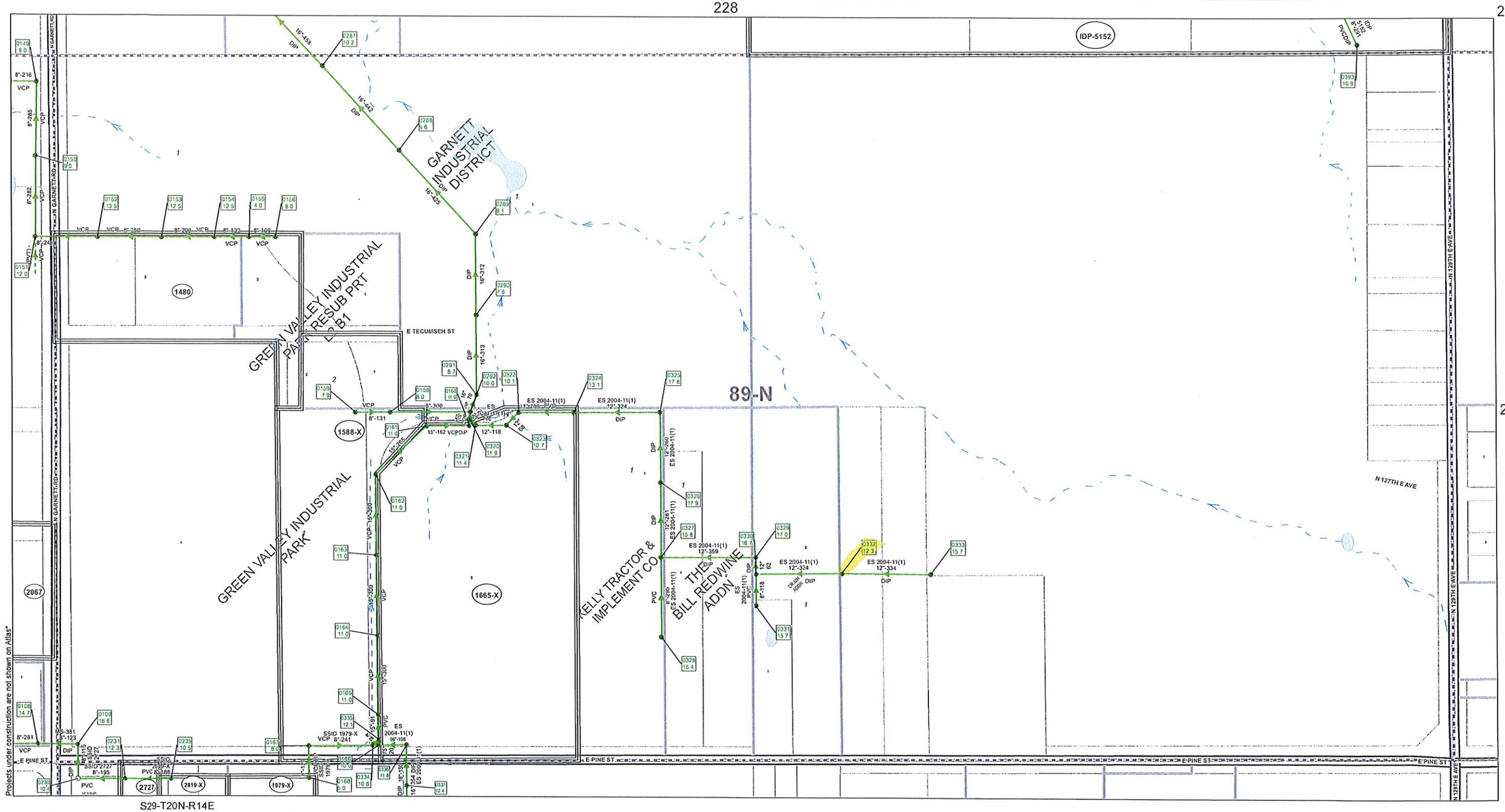
Created: 9/4/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

Page: 227

171 228 293

172 294



173 230

S29-T20N-R14E

0 200 400 600 800 Feet

UPDATED: 12/2/2016

CITY OF TULSA
WASTEWATER ATLAS

295

TMUA PROJECT NO. ES 2025-SOM2

TULSA MANHOLE CONDITION ASSESSMENT

FINAL MANHOLE REHABILITATION SCHEDULE

Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - PAVED	ADDITIONAL INFORMATION
							REHABILITATION METHOD																							
							STANDARD SPECIFICATION NO.																							
							416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	
Add Alt 2																														
53	91-N	88	091-0114	1528 S 71 E Ave	7.7	Non-Paved	1	1.7																						
54	91-N	89	091-0206	6526 E 21 Pl	6.2	Paved	1	0.2																						
53	91-N	88	091-0299	7518 E 19 St	5	Non-Paved	1																							
53	91-N	88	091-0302	6990 E 20 Pl	9.7	Non-Paved	1	3.7																						
53	91-N	88	091-0306	2082 S 71 E Ave	6.9	Non-Paved	1	0.9																						
53	91-N	88	091-0519	1765 S 79 E Ave	6.4	Non-Paved	1	0.4																						
53	91-N	88	091-0520	1908 S Memorial Dr	7.2	Paved	1	1.2																						
55	91-N	128	091-0567	1329 S 83 E Ave	15.6	Non-Paved			1	9.6																				
55	91-N	128	091-0568	1329 S 83 E Ave	9.5	Non-Paved	1	3.5																						
56	92-N	55	092-0033	5788 E 15 St	9.3	Non-Paved	1	3.3																						
56	92-N	55	092-0034	5788 E 15 St	8.8	Non-Paved	1	2.8																						
56	92-N	55	092-0208	5223 E 17 St	7.9	Non-Paved	1	1.9																						
57	92-N	54	092-0288	1219 S Fulton Ave	8	Non-Paved	1	2																						
57	92-N	54	092-0290	5401 E 12 St	5.2	Paved	1																							
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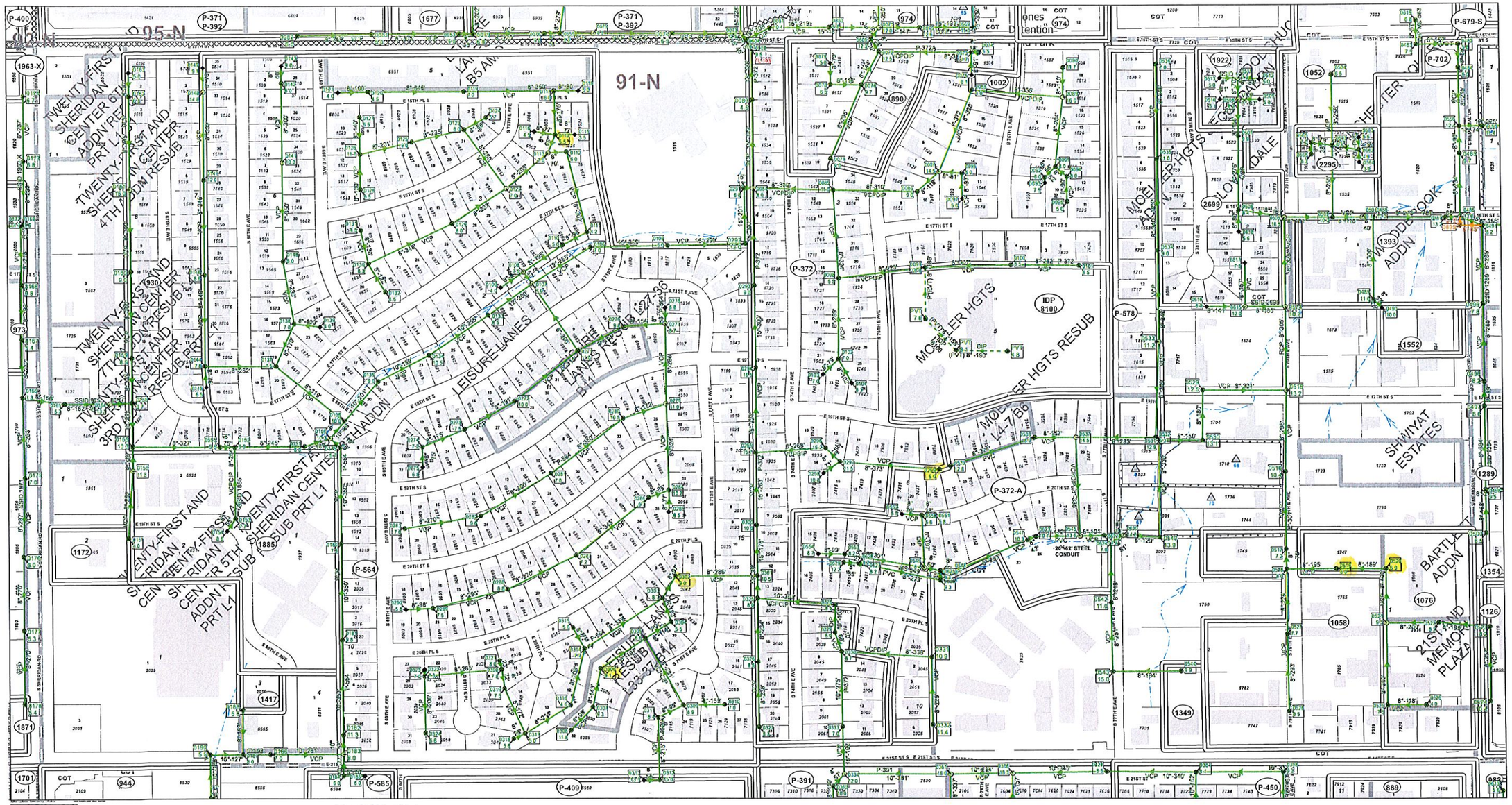
SHEET 53

54 87 128

55 129

56 89 130



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (36)
- Lamphole (38)
- Prm Flw Monitor (1)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (0)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (220)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (306)

ss GravityMain-PVT
- ss GravityMain-PVT (3)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (3)

ss ImprovementDistrict
- ss ImprovementDistrict (40)

ss Encroachment
- ss Encroachment (7)

11-T19N-R13E

0 200 400 800 1,200 Feet

Created: 9/4/2023

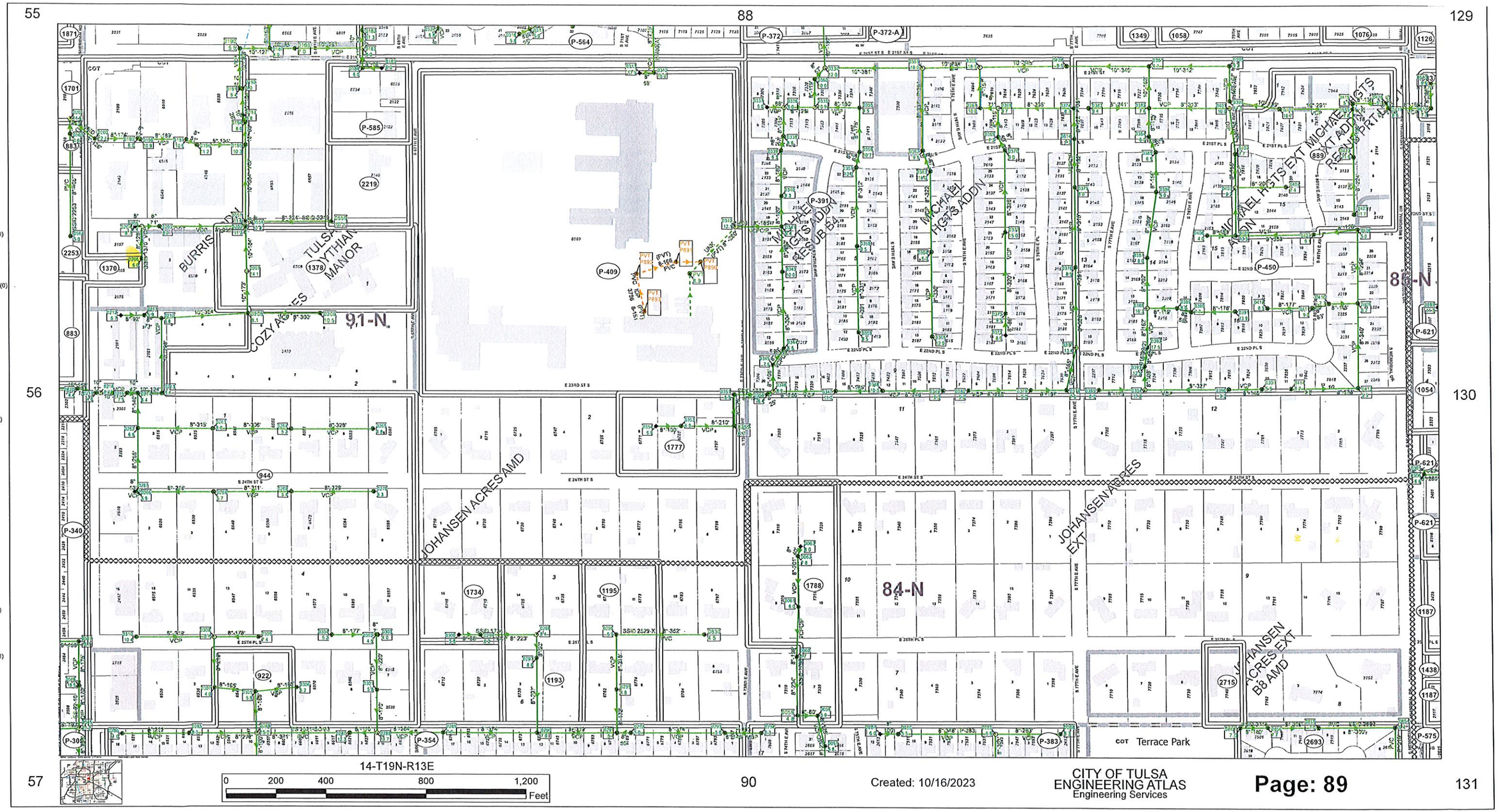
CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

SHEET 54

55 88 129

56 130

57 90 131



Created: 10/16/2023

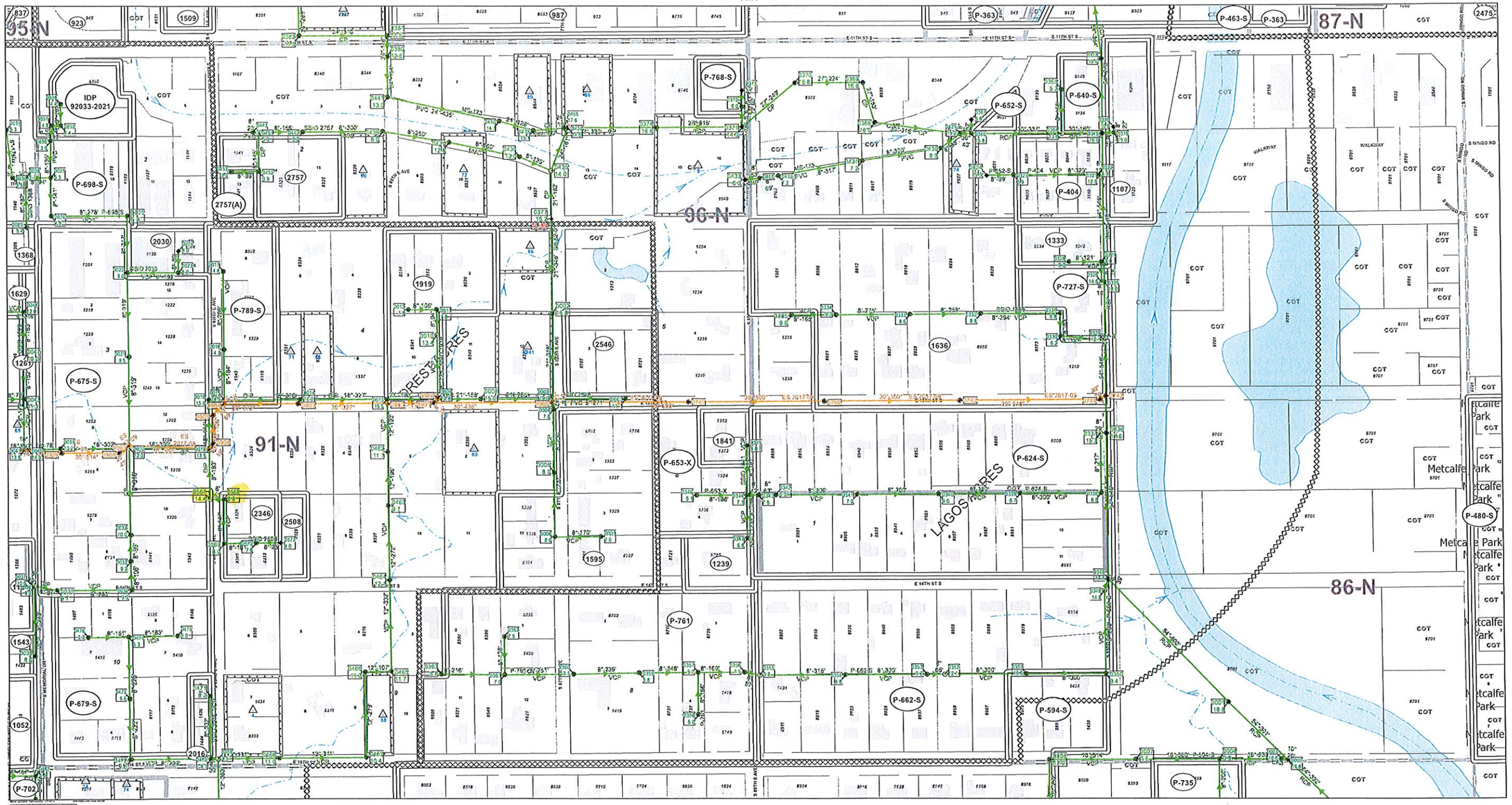
CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

SHEET 55

86 127 176

87 177

88 129 178



12-T19N-R13E

0 200 400 800 1,200 Feet

Created: 9/4/2023

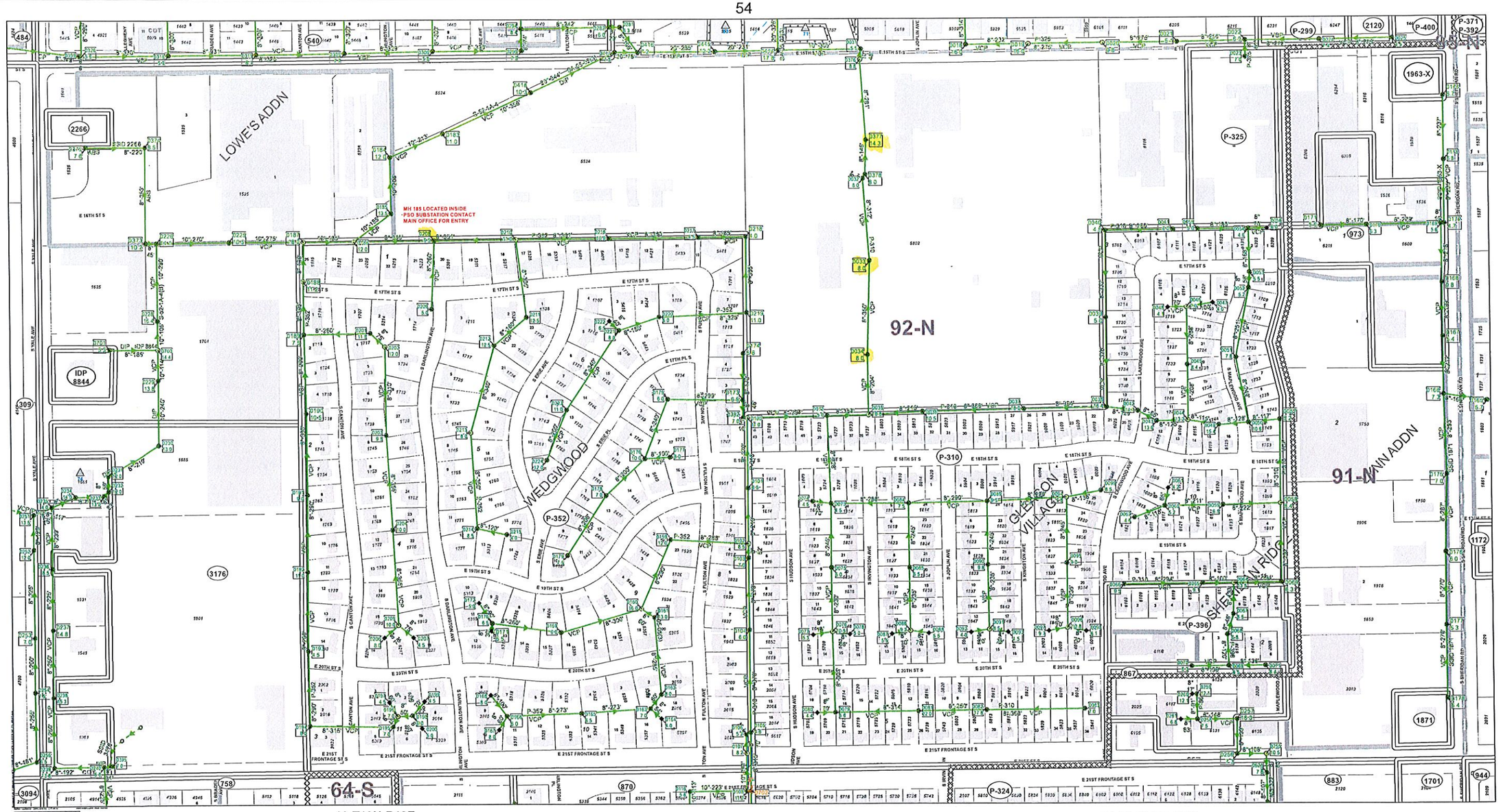
CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

SHEET 56

29 | 54 | 87

30 | 88

31 | 56 | 89



ss Cleanout
- ss Cleanout (2)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (28)
- Lamphole (26)
- Prm Flw Monitor (0)
- Prm Flw Mon at Par Pole (0)
- Siphon MH (0)
- Special MH (0)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (165)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (231)

ss GravityMain-PVT
- ss GravityMain-PVT (3)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (4)

ss ImprovementDistrict
- ss ImprovementDistrict (26)

ss Encroachment
- ss Encroachment (4)

10-T19N-R13E

0 200 400 800 1,200 Feet

Created: 9/4/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

Page: 55

SHEET 57

28 53 86

29 87

30 55 88

ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (22)
- Lamphole (2)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (3)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (158)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (191)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

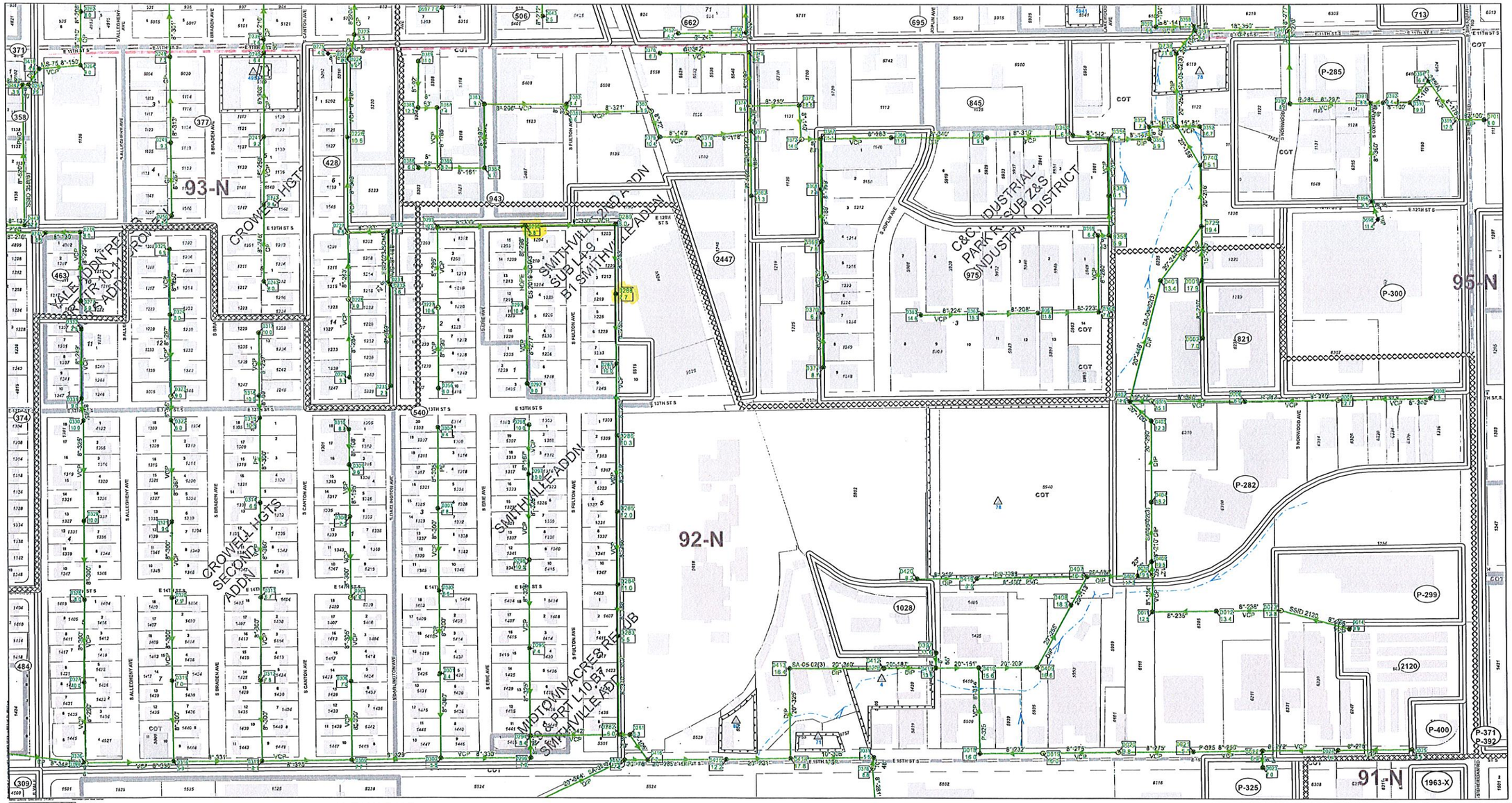
ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (4)

ss ImprovementDistrict
- ss ImprovementDistrict (28)

ss Encroachment
- ss Encroachment (8)



10-T19N-R13E

0 200 400 800 1,200 Feet

Created: 10/16/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

Page: 54

TMUA PROJECT NO. ES 2025-SOM2

TULSA MANHOLE CONDITION ASSESSMENT

FINAL MANHOLE REHABILITATION SCHEDULE

							REHABILITATION METHOD																						
							COMPLETE MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR MANHOLE REPLACEMENT (VF)	COMPLETE DROP MANHOLE REPLACEMENT, 4' I.D. (EA)	EXTRA DEPTH OVER 6' FOR DROP MANHOLE REPLACEMENT (VF)	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL, TYPE A REPAIR (EA) - PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL, TYPE B REPAIR (EA) - PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - NON-PAVED	REPLACE COVER/FRAME/FRAME SEAL/CHIMNEY, TYPE C REPAIR (EA) - PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - NON-PAVED	REPLACE FRAME SEAL/CHIMNEY, TYPE D REPAIR (EA) - PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - NON-PAVED	PRECAST CORBEL SECTION, TYPE Fc REPAIR - PAVED	MANHOLE WALL REHABILITATION, TYPE Gg (SF)	BENCH & INVERT REHABILITATION, TYPE Gh REPAIR (EA)	PIPE SEAL COATING AND PRESSURE GROUTING, TYPE Gk REPAIR (EA)	PLUG LIFT HOLE, TYPE Go REPAIR (EA)	SEAL PRECAST JOINTS, TYPE Gp REPAIR (EA)	PATCH HOLE, TYPE Gr REPAIR (EA)	EPOXY COATING, TYPE Gs REPAIR (SF)	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - NON-PAVED	REPLACE PRECAST FLATTOP SECTION, TYPE Ft REPAIR (EA) - PAVED	
							STANDARD SPECIFICATION NO.																						
Sheet #	MAINTENANCE AREA	Atlas Page	MANHOLE ID	STREET ADDRESS	MH DEPTH (VF)	LOCATION TYPE	416, SP-1	416, SP-1	416, SP-1	416, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418, SP-1	418	418	421, SP-2	419, SP-2	421	419	421	419	421	418, SP-1, 3	418, SP-1	ADDITIONAL INFORMATION
Add Alt 3																													
58	95-N	86	095-0019	547 S 80 E Ave	7	Non-Paved	1	1																					
59	95-N	87	095-0095	6747 E 13 St	6.9	Paved	1	0.9																					
59	95-N	87	095-0098	6907 E 14 St	13.6	Non-Paved	1	7.6																					
58	95-N	86	095-0147	7441 E 7 St	2.8	Paved	1																						
60	95-N	85	095-0192	431 S 69 E Ave	9.3	Non-Paved	1	3.3																					
61	95-N	53	095-0409	5903 E 9 St	10.1	Non-Paved	1	4.1																					
58	95-N	86	095-0741	7139 E 5 Pl	18.7	Non-Paved	1	12.7																					

SHEET 58

52 85 126

53 127

54 87 128

ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (38)
- Lamphole (20)
- Prm Flw Monitor (1)
- Prm Flw Mon at Par Pole (0)
- Siphon MH (4)
- Special MH (0)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (191)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (2)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (264)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

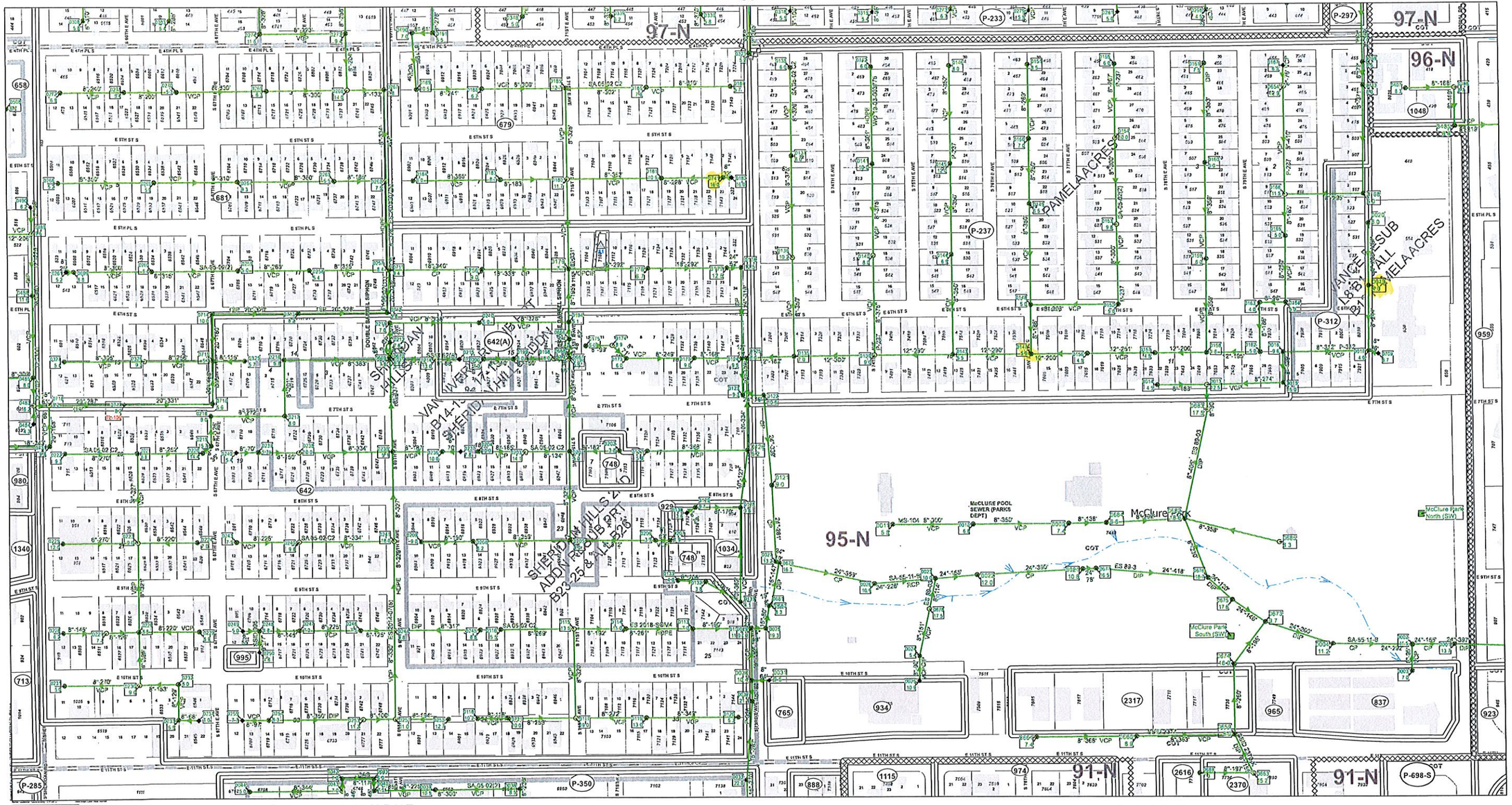
ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (4)

ss ImprovementDistrict
- ss ImprovementDistrict (34)

ss Encroachment
- ss Encroachment (1)



2-T19N-R13E

0 200 400 800 1,200 Feet

Created: 10/23/2023

CITY OF TULSA
ENGINEERING ATLAS
Engineering Services

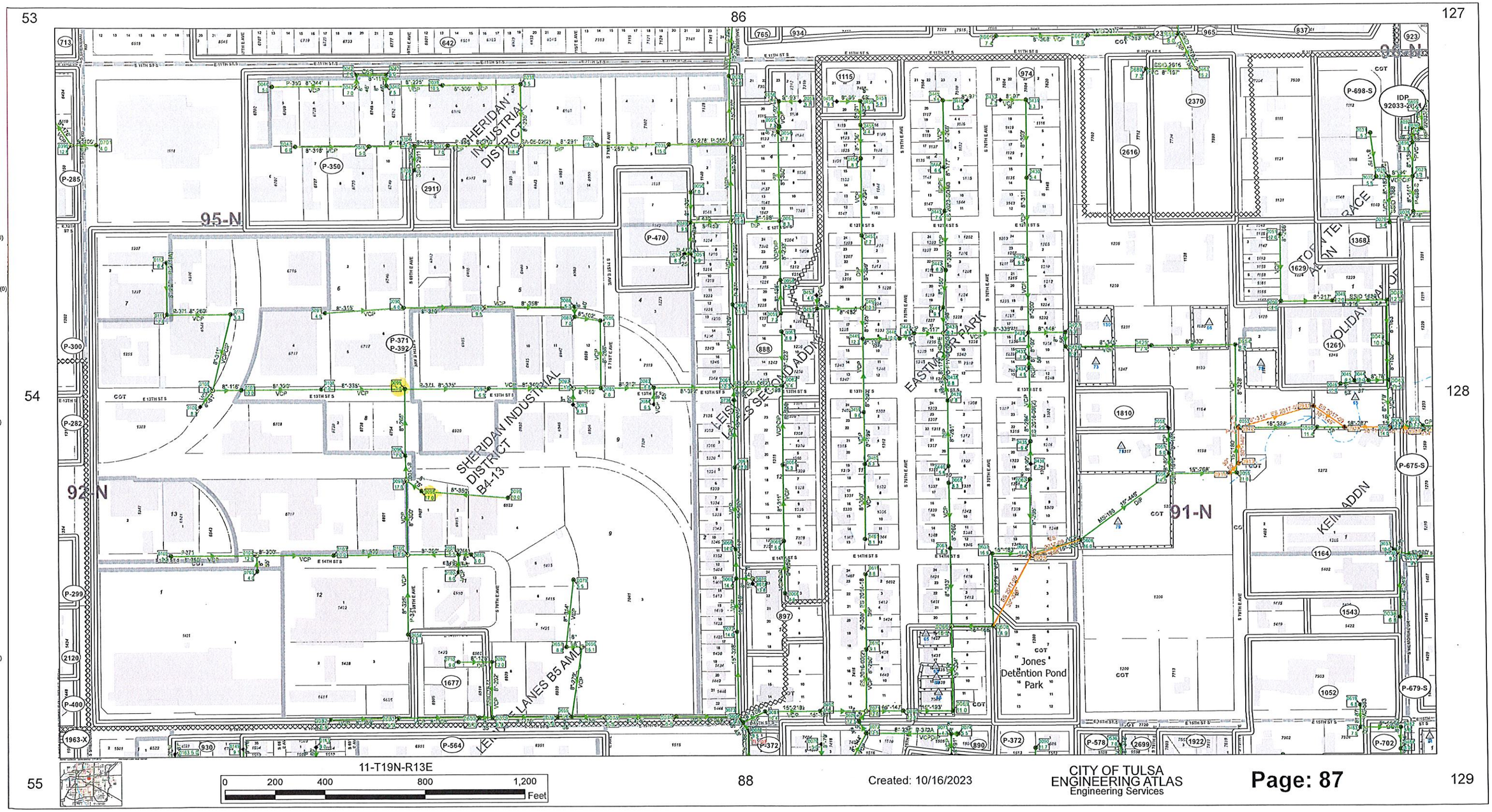
Page: 86

SHEET 59

53 86 127

54 128

55 88 129


ss Cleanout
ss Cleanout (0)
ss Manhole
MHTYPE
Diversion MH (0)
Drop MH (26)
Lamphole (18)
Prm Flw Monitor (1)
Prm Flw Mon at Pwr Pole (0)
Siphon MH (0)
Special MH (0)
Special Drop MH (0)
Special Perm Flow Monitor (0)
Standard MH (155)
ss Vault
ss Vault (0)
ss NetworkStructure
Facility (0)
Flow Meter (0)
Lift Station (0)
Other - Net Struct (0)
Pump Station (0)
ss NetworkStructure_AB
ss NetworkStructure_AB (0)
ss SystemValve
VALVETYPE
Air Relief (0)
Other (0)
Blowoff (0)
Ball (0)
Gate (0)
Unknown (0)
ss GravityMain
ss GravityMain (203)
ss GravityMain-PVT
ss GravityMain-PVT (0)
ss PressurizedMain
ss PressurizedMain (0)
ss PressurizedMain-PVT
ss PressurizedMain-PVT (0)
ss MaintenanceDistrict
ss MaintenanceDistrict (4)
ss ImprovementDistrict
ss ImprovementDistrict (46)
ss Encroachment
ss Encroachment (12)
95-N
94-N
93-N
92-N
91-N
SHERIDAN INDUSTRIAL DISTRICT
SHERIDAN INDUSTRIAL DISTRICT B4-13
LEES SECOND ADDN
EASTMINSTER PARK
HOLIDAY TERRACE ADDN
KEIN ADDN
Jones Detention Pond Park
E 11TH ST S
E 13TH ST S
E 14TH ST S
E 15TH ST S
S 93RD E AVE
S 97TH E AVE
S 101ST E AVE
S 105TH E AVE
S 109TH E AVE
S 113TH E AVE
S 117TH E AVE
S 121ST E AVE
S 125TH E AVE
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S 137TH E AVE
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S 1977TH E AVE
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S 2005TH E AVE
S 2009TH E AVE
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S 2017TH E AVE
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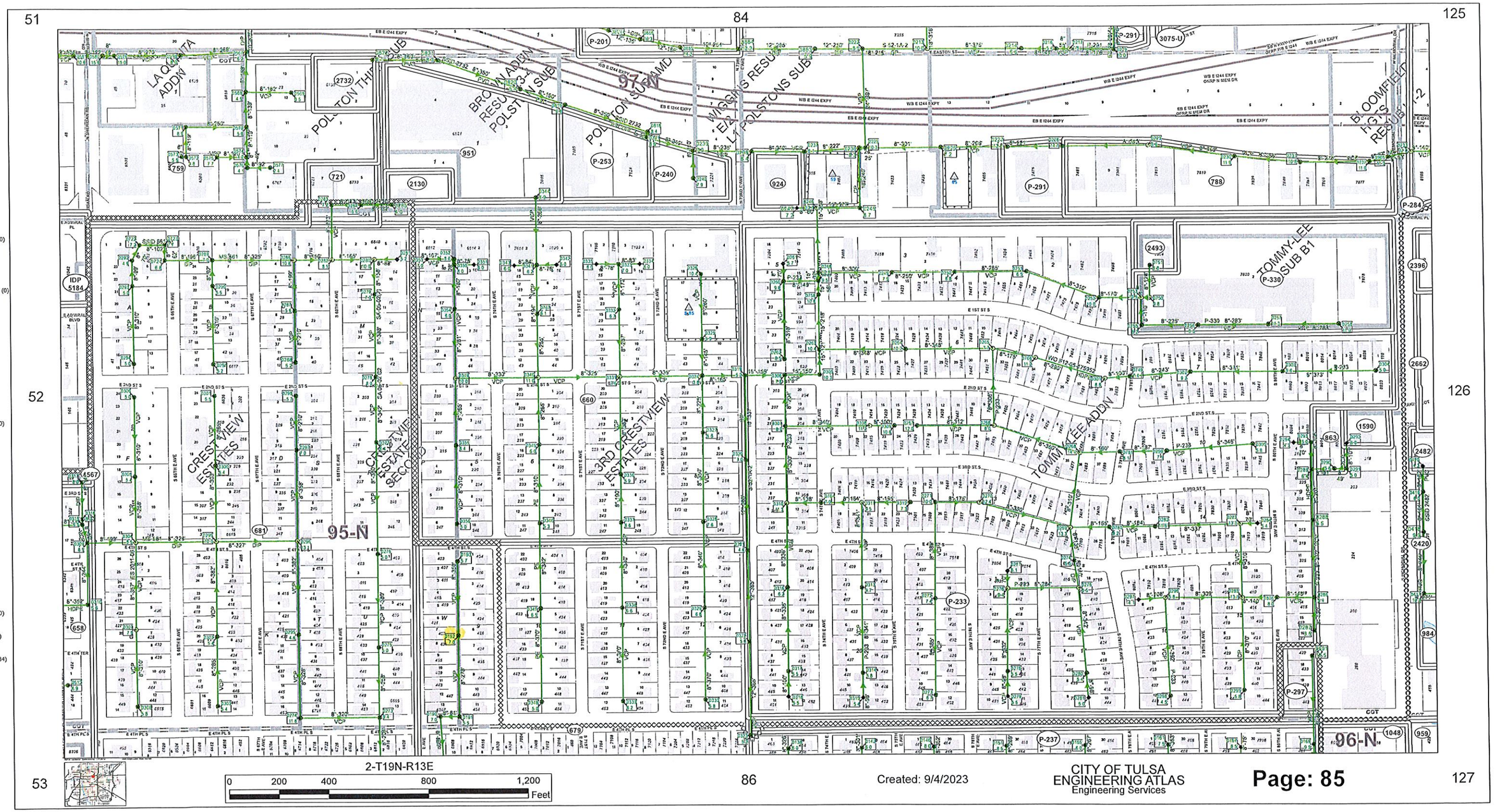
S 5661ST E AVE
S 5665TH E AVE
S 5669TH E AVE
S 5673RD E AVE
S 5677TH E AVE
S 5681ST E AVE
S 5685TH E AVE
S 5689TH E AVE
S 5693RD E AVE
S 5697TH E AVE
S 5701ST E AVE
S 5705TH E AVE
S 5709TH E AVE
S 5713TH E AVE
S 5717TH E AVE
S 5

SHEET 60

51 84 125

52 126

53 86 127



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (32)
- Lamphole (20)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (0)
- Special Drop MH (0)
- Special Perm Flow Monitor (0)
- Standard MH (178)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (236)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (3)

ss ImprovementDistrict
- ss ImprovementDistrict (34)

ss Encroachment
- ss Encroachment (3)

2-T19N-R13E

0 200 400 800 1,200 Feet

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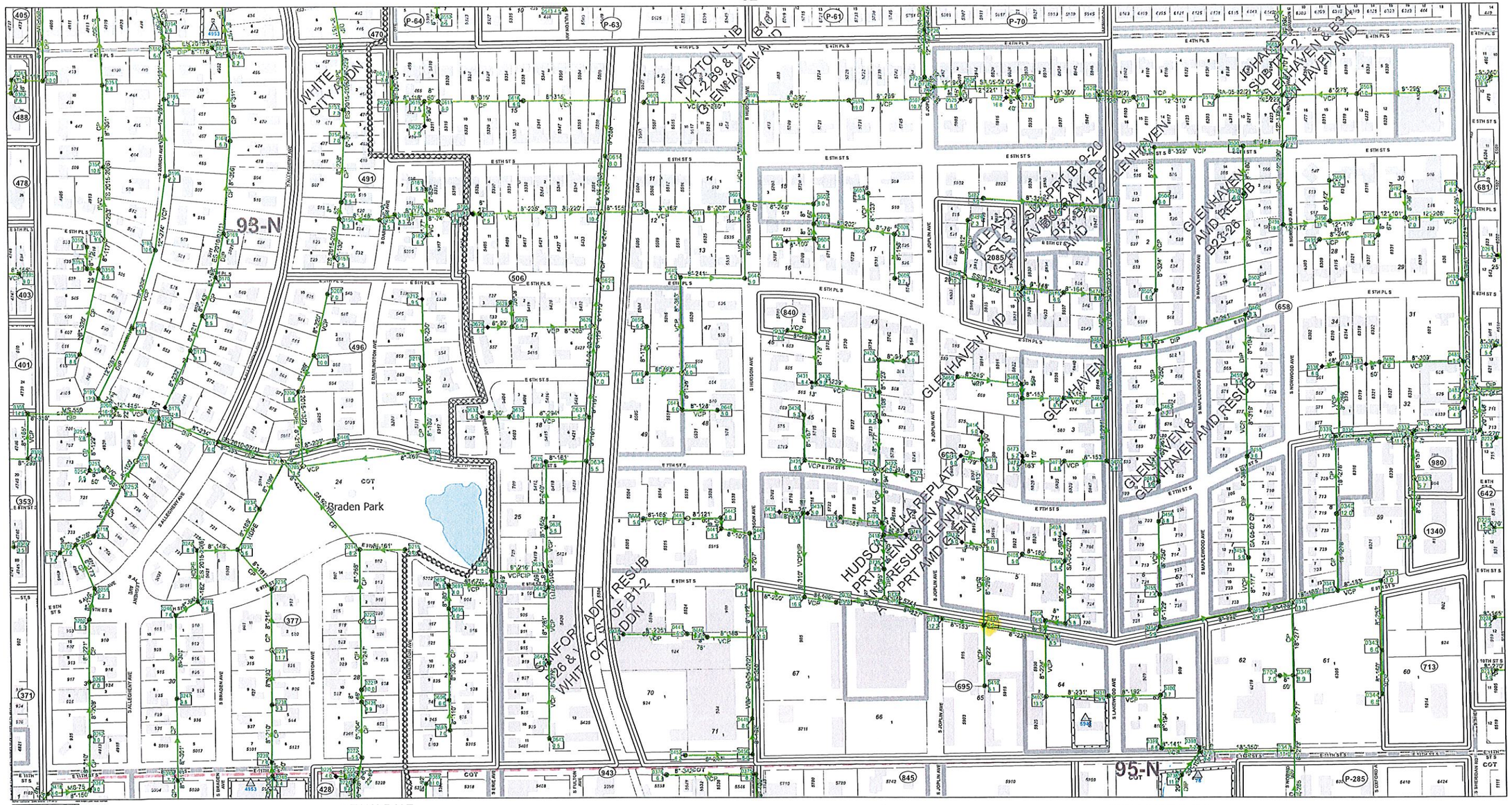
ENGINEERING ATLAS
Engineering Services

SHEET 61

27 52 85

28 86

29 54 87



ss Cleanout
- ss Cleanout (0)

ss Manhole

MHTYPE
- Diversion MH (0)
- Drop MH (34)
- Lamphole (26)
- Prm Flw Monitor (0)
- Prm Flw Mon at Pwr Pole (0)
- Siphon MH (0)
- Special MH (1)
- Special Drop MH (1)
- Special Perm Flow Monitor (0)
- Standard MH (248)

ss Vault
- ss Vault (0)

ss NetworkStructure
- Facility (0)
- Flow Meter (0)
- Lift Station (0)
- Other - Net Struct (0)
- Pump Station (0)

ss NetworkStructure_AB
- ss NetworkStructure_AB (0)

ss SystemValve

VALVETYPE
- Air Relief (0)
- Other (0)
- Blowoff (0)
- Ball (0)
- Gate (0)
- Unknown (0)

ss GravityMain
- ss GravityMain (321)

ss GravityMain-PVT
- ss GravityMain-PVT (0)

ss PressurizedMain
- ss PressurizedMain (0)

ss PressurizedMain-PVT
- ss PressurizedMain-PVT (0)

ss MaintenanceDistrict
- ss MaintenanceDistrict (2)

ss ImprovementDistrict
- ss ImprovementDistrict (30)

ss Encroachment
- ss Encroachment (5)

3-T19N-R13E

0 200 400 800 1,200 Feet

Created: 10/23/2023

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