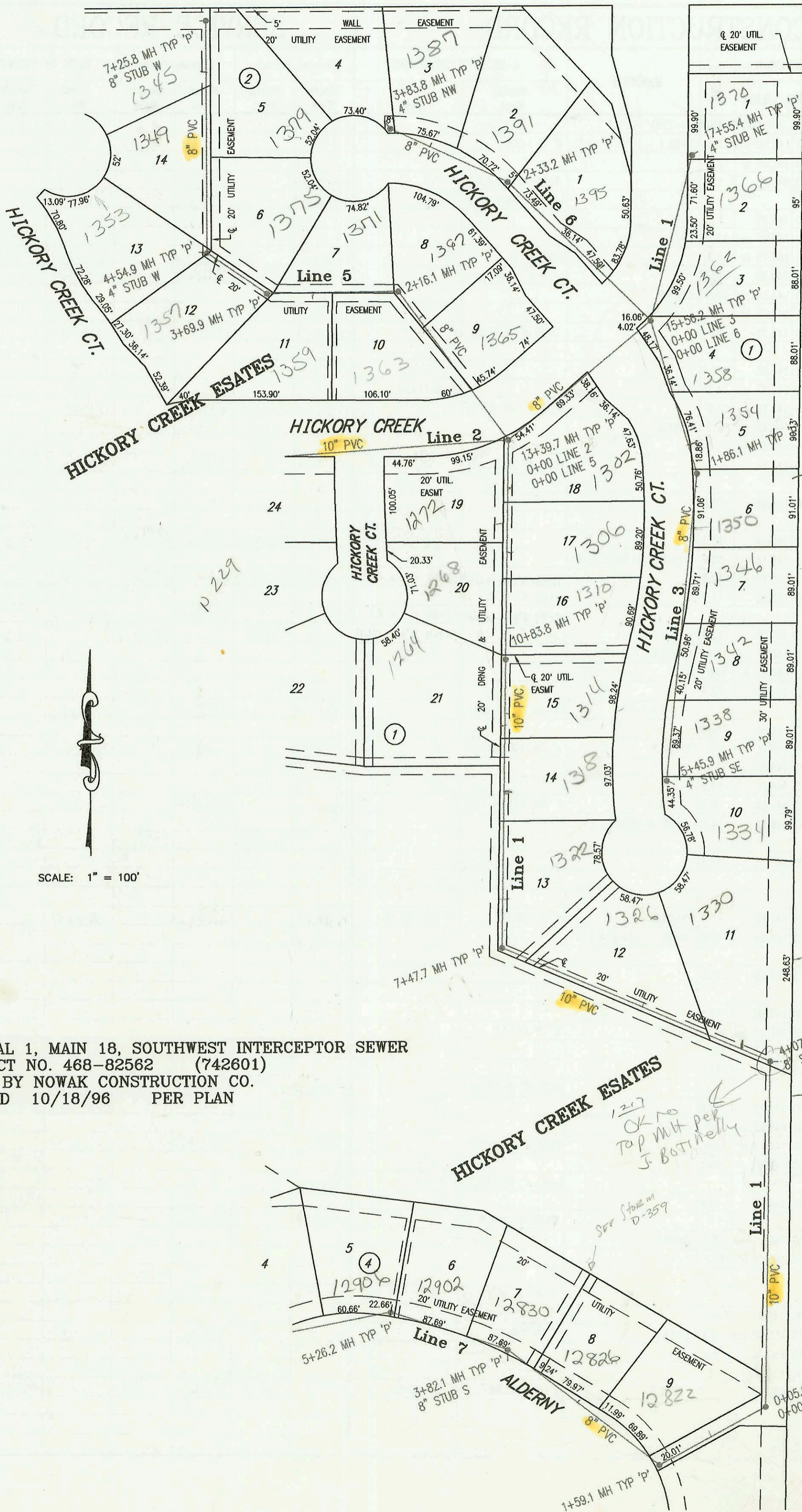


N-227, N-228 & N-229 are related to the same project. (and combined in this file)

N-228 A

13TH STREET NORTH



NOTES:
Riser at 59.9' SW of MH 1+86.1 for 1350 Hickory Creek - DL did not use

1217 Firefly
"NO PROTEST" agreement and add'l esmt given on 10/15/04. Equiv fee paid on 10/15/04. Pkg OK'd 10/18/04

1217
OK to top MH per J. Bottinelli

See Storm D-359

LATERAL 1, MAIN 18, SOUTHWEST INTERCEPTOR SEWER
PROJECT NO. 468-82562 (742601)
BUILT BY NOWAK CONSTRUCTION CO.
BOOKED 10/18/96 PER PLAN

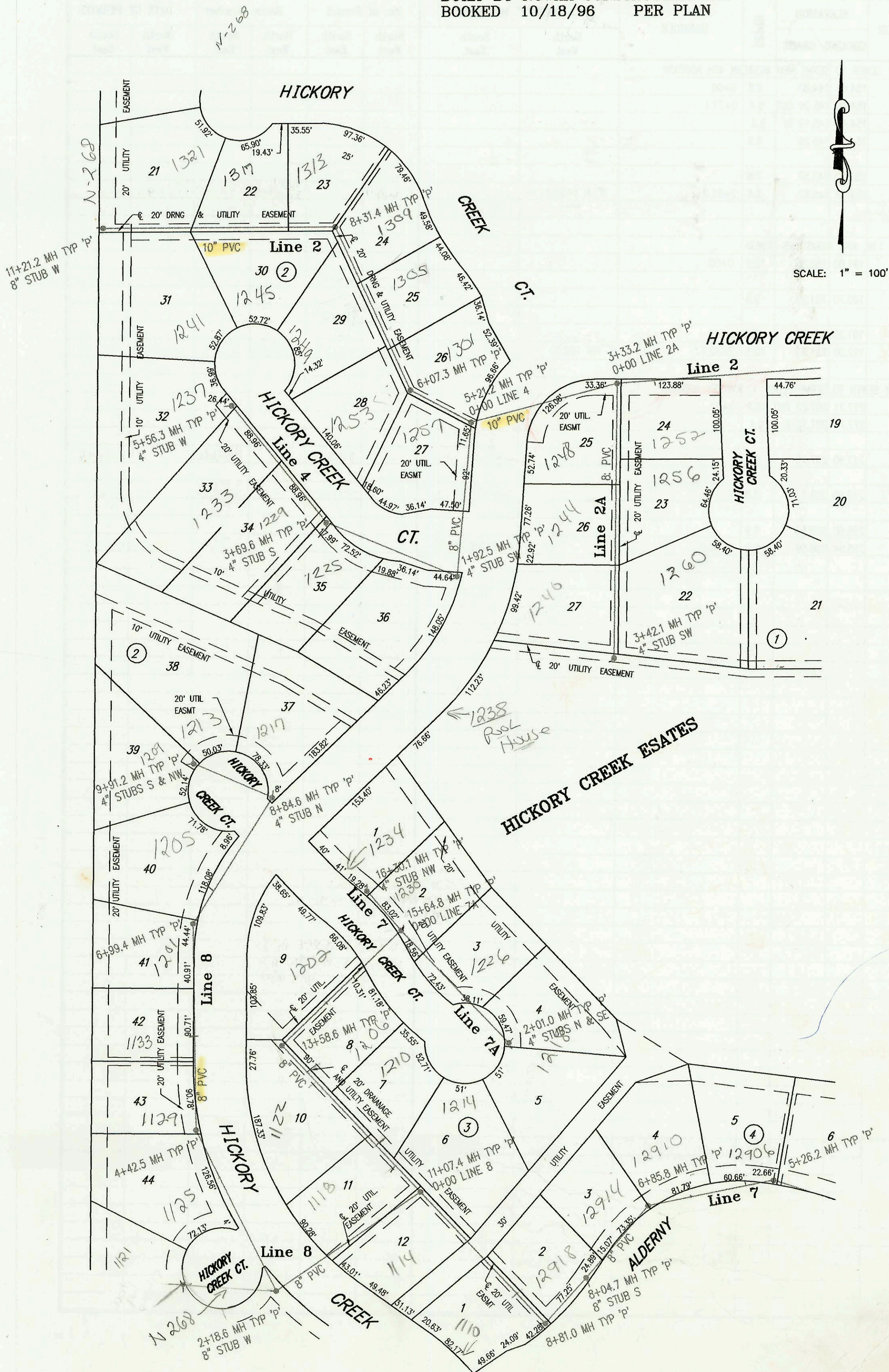
N-268

N-227

CONSTRUCTION RECORD						SERVICE RECORD						
STATION	ELEVATION		DEPTH	MANHOLE	4-INCH "Y" BRANCHES		No. of Permit		House Number		DATE OF PERMITS	
	GROUND	GRADE			North West	South East	North West	South East	North West	South East	North West	South East
LATERAL 1, MAIN 18, SOUTHWEST INTERCEPTOR SEWER												
LINE 1 0+00 L-1	151.00	141.25	9.8	0+00 EXIST								
1+00	145.20	141.50	3.7									
2+00	149.20	141.76	7.4									
3+00	153.80	142.01	11.8									
4+00	157.00	142.26	14.7									
	157.50	142.27 out	15.2	4+07.1								
	157.50	142.37 in	15.1		4+45 4" N 7.5 LF			96-182407	1330 Hickory CK		1524-96	10-21-01
5+00	157.00	142.60	14.4									
6+00	156.60	142.85	13.8		5+69 4" N 7.5 LF			96-190597	1326 Hickory CK		11-8-97	
7+00	156.30	143.10	13.2									
	156.50	143.22 out	13.3	7+47.7								
	156.50	143.32 in	13.2									
8+00	156.70	143.45	13.3					96-208417	1322 Hickory CK		1213-96	
									1318 Hickory CK		4-24-02	12-16-96
9+00	158.00	143.70	14.3					96-201337	1264 Hickory CK		3-17-97	
					10+08 4" W 8.5 LF			99-32857	1319 Hickory CK			10-3-96
10+00	159.10	143.95	15.2					96-209007				
	160.40	144.16	16.2	10+83.8					1310 Hickory CK		4-16-99	7-8-98
11+00	160.30	144.19	16.1					99-68427	1310 Hickory CK			
					11+29 4" W 8.0 LF			98-105847	1268 Hickory CK		3-3-97	
12+00	161.50	144.37	17.1						1306 Hickory CK		11-29-96	
					12+07 4" E 10 LF			96-190557				
					12+43 4" W 10 LF			96-186267	1278 N Hickory CK		11-4-96	11-18-96
13+00	162.70	144.55	18.1						1302 Hickory CK			
	163.30	144.62 out	18.7	13+39.7 = 0+00 L-2 & L-5								
	163.30	144.72 in	18.6									
14+00	163.40	145.32	18.1									
15+00	163.90	146.33	17.6									
	163.50	146.89 out	16.6	15+56.2 = 0+00 L-3 & L-6								
	163.50	146.99	16.5						1392 Hickory CK		10-16-96	
16+00	162.30	147.17	15.1									
17+00	159.20	147.57	11.6					99-6220	1366 Hickory CK		9-26-99	
	157.60	147.79	9.8	17+55.4	4" NE 148.12			2001-02537	1370 N Hickory CK		10-12-01	
LINE 2 0+00 L-2	163.30	144.72	18.6	0+00 = 13+39.7 L-1								
1+00	162.50	144.90	17.6									
2+00	161.80	145.08	16.7									
					2+88 4" S 8.0 LF			2000-01260	1352 N Hickory CK		5-23-00	
3+00	161.40	145.26	16.1									
	161.10	145.32 out	15.8	3+33.2 = 0+00 L-2A								
	161.10	145.42 in	15.7									
4+00	160.50	145.54	15.0					99-01267	1248 Hickory CK		11-19-99	
5+00	159.90	145.72	14.2									
	159.90	145.76 out	14.1	5+21.2 = 0+00 L-4								
	159.90	145.86 in	14.0									
6+00	154.30	146.06	8.2					97-65667	98-6547	1253 Hickory CK	4-8-99	2-26-98
	154.00	146.08 out	7.9	6+07.3					1305 Hickory CK		8-2-00	6-24-98
	154.00	146.18 in	7.8									
7+00	154.80	146.41	8.4									
								98-13567	1309 Hickory CK		1-21-98	
8+00	156.00	146.66	9.3					2000-01771	1249 N Hickory CK		8-2-00	
	156.70	146.74 out	10.0	8+31.4				97-64467	1315 Hickory CK		1-14-2000	
	156.70	146.84 in	9.9						1245 Hickory CK			
9+00	155.90	147.01	8.9					2002-00038	1317 Hickory CK		1-3-02	
10+00	155.30	147.26	8.0									
								98-110077	98-22527	1321 Hickory CK	6-19-98	11-13-98
11+00	154.70	147.52	7.2						1241 Hickory CK			
	155.00	147.56 out	7.4	11+21.2	8" W 147.73							
CONT. ON N-228												

CONSTRUCTION RECORD						SERVICE RECORD						
STATION	ELEVATION		DEPTH	MANHOLE	4-INCH "Y" BRANCHES		No. of Permit		House Number		DATE OF PERMITS	
	GROUND	GRADE			North West	South East	North West	South East	North West	South East	North West	South East
LATERAL 1, MAIN 18, SWL (CONT. FROM N-227)												
LINE 2A	0+00 L-2A	161.10	147.32	13.8	0+00 = 3+33.2 L-2							
	1+00	160.00	147.62	12.4								
	2+00	159.00	147.92	11.1		4" sch 40 PVC 2+16.1	1+62.6 4" 300 35	96-183967	1344 Hickory ck	1256 Hickory ck	4-17-97	10-31-96
	3+00	159.00	148.22	10.8				96-209757	1240 Hickory ck	1260 Hickory ck	7-20-99	12-16-96
		159.10	148.35	10.8	3+42.1	4" SW 148.68 4" 300 35		96-178387	1258 Hickory ck		10-21-96	
LINE 3	0+00 L-3	163.50	146.99	16.5	0+00 = 15+56.2 L-1							
	1+00	164.20	148.49	15.7			0+46 4" E 9.0 LF	99-6097	1358 Hickory ck			1-11-99
		164.90	149.78 out	15.1	1+86.1		1+52 4" E 7.5 LF	96-174877	1354 Hickory ck			10-21-96
		164.90	149.88 in	15.0		4" sch 40 PVC 2+00.1 Saddle		99-00656	1350 Hickory ck			9-14-99
	2+00	164.60	150.09	14.5			2+46 4" E 6.5 LF					
	3+00	164.50	151.59	12.9			3+15 4" sch 40 3+39 4" E 5.0 LF	99-00988	1346 Hickory ck			10-21-99
	4+00	164.20	153.09	11.1			4" sch 40 PVC 3+90.9 Tap	96-183947	1342 Hickory ck			10-30-96
							4+21 4" E 3.5 LF					
	5+00	164.00	154.59	9.4			4" sch 40 PVC 5+17.9	96-183777	1338 Hickory ck			10-31-96
		164.10	155.28	8.8	5+45.9	4" SE 155.61 4" 300 35		96-176637	1334 Hickory ck			10-21-96
LINE 4	0+00 L-4	159.90	145.93	14.0	0+00 = 5+21.2 L-2							
	1+00	159.20	146.23	13.0								
		159.00	146.51 out	12.5	1+92.5	4" SW 148.51						
		159.00	146.61 in	12.4								
	2+00	158.80	146.64	12.2								
	3+00	157.40	146.93	10.5								
		157.50	147.14 out	10.4	3+69.6	4" S 149.14 4" 300 35		96-176647	1225 Hickory ck			10-21-96
		157.50	147.24 in	10.3								
	4+00	157.50	147.39	10.1								
	5+00	157.90	147.89	10.0			4" sch 40 PVC 5+44.3	96-183937	1233 Hickory ck			10-31-96
		158.30	148.17	10.1	5+56.3	4" W 150.17		99-59087	1237 Hickory ck		4-1-99	
LINE 5	0+00 L-5	163.30	144.79	18.5	0+00 = 13+39.7 L-1							
						0+99 4" NE 9.0 LF		2001-00712	1365 N Hickory Creek		3-30-01	
	1+00	162.50	145.76	16.7			1+60 4" SW 8.0 LF	97-116227	1363 Hickory ck			7-7-97
						1+78 4" NE 8.0 LF		97-126397	1367 Hickory ck			8-25-97
	2+00	162.00	146.72	15.3								
		162.30	146.88 out	15.4	2+16.1							
		162.30	146.98 in	15.3		4" sch 40 PVC 2+56 4" N 6.5 LF		96-183957	1371 Hickory ck			10-21-96
	3+00	161.10	147.32	13.8			3+17 4" S 5.5 LF	97-119617	1359 Hickory ck			7-15-97
		160.90	147.60 out	13.3	3+69.9							
		160.90	147.70 in	13.2								
	4+00	160.20	147.82	12.4			4+00 4" S 5.0 LF	96-176607	1375 Hickory ck	1359 Hickory ck	10-21-96	7-7-97
		159.80	148.04 out	11.8	4+54.9	4" W 148.37		97-112117	1353 Hickory ck			7-7-97
		159.80	148.14 in	11.7								
	5+00	160.00	148.32	11.7			5+30 4" W 5.0 LF	2001-02536	1349 N Hickory Creek			10-12-01
	6+00	161.00	148.72	12.3			4" sch 40 PVC 6+26 4" E 5.5 LF	96-176627	1345 Hickory ck	1379 Hickory ck		10-21-96
						6+65 4" W 5.0 LF		99-00736				9-23-97
	7+00	162.00	149.12	12.9								
		160.10	149.22	10.9	7+25.8	8" W 149.32						
LINE 6	0+00 L-6	163.50	146.99	16.5	0+00 = 15+56.2 L-1							
						0+86 4" E 7.5 LF						
	1+00	164.10	148.99	15.1								
	2+00	164.50	151.00	13.5								
		164.70	151.66 out	13.0	2+33.2							
		164.70	151.76 in	12.9		4" sch 40 PVC 2+43 4" E 5.0 LF		97-166987	1391 Hickory Creek			9-22-97
	3+00	164.60	152.75	11.9		4" sch 40 PVC 3+32 4" E 4.0 LF		99-01009	1387 Hickory ck			10-25-99
		165.20	154.00	11.2	3+83.8	4" NW 154.33						
LINE 7	0+00 L-7	152.20	141.25	10.9	0+00 EXIST							
						0+91 4" N 6.5 LF		99-137447	12822 Aldermy			7-27-98
	1+00	154.00	141.53	12.5								
		155.40	141.73 out	13.7	1+59.1							
		155.40	141.83 in	13.6								
	2+00	155.10	141.95	13.2								
						2+81 4" NE 4.5 LF						
	3+00	155.00	142.25	12.8								

LATERAL 1, MAIN 18, SOUTHWEST INTERCEPTOR SEWER
PROJECT NO. 468-82562 (742601)
BUILT BY NOWAK CONSTRUCTION CO.
BOOKED 10/18/96 PER PLAN



CONSTRUCTION RECORD						SERVICE RECORD						
STATION	ELEVATION		DEPTH	MANHOLE	4-INCH "Y" BRANCHES		No. of Permit		House Number		DATE OF PERMITS	
	GROUND	GRADE			North West	South East	North West	South East	North West	South East	North West	South East
LATERAL 1,	MAIN 18, SWI (CONF. FROM N-228)											
	155.00	142.50 out	12.5	3+82.1	8" S 142.6							
	155.00	142.60 in	12.4									
4+00	155.00	142.65	12.4		3+92 4" NE 4.5 LF		99-63967		12830 Alderney		4-8-99	
					4+52 4" NE 5.0 LF		99-63577		12901 Alderney		4-8-99	
5+00	156.00	142.95	13.1									
	156.40	143.03 out	13.4	5+26.2								
	156.40	143.13 in	13.3		5+62 4" N 5.5 LF		97-201507		12906 Alderney		11-13-97	
6+00	157.00	143.35	13.6		6+28 4" N 6.0 LF		97-209917	97-33247	12910 Alderney		11-24-97	
	158.20	143.61 out	14.6	6+85.8								
	158.20	143.71 in	14.5									
7+00	158.00	143.75	14.3		7+09 4" N W 6.5 LF		98-17011-7		12914 Alderney		9-9-98	
8+00	158.50	144.05	14.4									
	158.73	144.07 out	14.7	8+04.7	8" S 144.17							
	158.73	144.17 in	14.6		8+29 4" NW 6.5 LF		97-59097		12918 Alderney		4-1-99	
	159.10	144.40 out	14.7	8+81.0								
	159.10	144.50 in	14.6									
9+00	158.80	144.56	14.2		9+31 4" SW 7.5 LF		1997-00242		1110 Hickory		7-26-99	
10+00	154.90	144.86	10.0									
11+00	155.50	145.16	10.3									
	156.10	145.18	10.9	11+07.4 = 0+00 L-8	9" SDR35 11 F 31.4		98-141367	96-18397-7	1114 Hickory	1214 Hickory	7-7-98	10-31-98
	156.10	145.28	10.8		11+51 4" SW 4.5 LF		97-58567	97-24277	1118 Hickory CK	1210 Hickory	4-29-99	2-13-97
12+00	157.50	145.56	11.9		12+99 4" SW 6.5 LF		97-113377		1122 Hickory		7-9-97	
13+00	159.50	146.86	12.6		13+14 4" NE 7 LF		2001-0197		1200 Hickory		7-18-01	
	160.90	146.03 out	14.9	13+58.6								
	160.90	146.13 in	14.8									
14+00	160.20	146.25	13.9		14+35 4" NW 6.0 LF		2001-02045		1202 Hickory		8-16-01	
15+00	159.00	146.55	12.4									
	158.50	146.75 out	11.8	15+64.8	4" NE 147.75		96-19665-7		1250 Hickory		10-21-96	
	158.50	146.85 in	11.6									
16+00	158.20	146.96	11.2		4" NW 147.38		97-66187		1234 Hickory		4-28-97	
0+00 L-7A	160.90	146.85	14.0	0+00 = 15+64.8 L-7								
1+00	158.60	147.35	11.3									
2+00	159.20	147.86	11.3	2+01.0	4" N 148.19		97-18767-7		1218 Hickory		10-24-97	
0+00 L-8	156.10	145.28	10.8	0+00 = 11+07.4 L-7								
1+00	158.10	146.08	12.0									
2+00	160.50	146.88	13.6									
	161.10	147.03 out	14.1	2+18.6	8" W 147.13							
	161.10	147.13 in	14.0									
3+00	161.50	147.46	14.0		3+75 4" W 7.5 LF		99-26247		1125 Hickory		2-8-99	
4+00	162.50	147.88	14.6									
	163.50	148.03 out	15.5	4+42.5	4+63 4" W 8.0 LF		2001-00237		1129 Hickory		1-25-02	
	163.50	148.13 in	15.4									
5+00	163.00	148.36	14.6		5+60 4" W 7.5 LF		2001-01641		1133 Hickory		7-6-01	
6+00	162.60	148.76	13.8		6+53 4" W 6.5 LF		99-26237		1201 N Hickory		2-8-99	
	162.40	149.16 out	13.2	6+99.4								
	162.40	149.26 in	13.1									
7+00					7+47 4" W 3.5 LF		99-0071		1205 Hickory		7-9-99	
8+00	160.00	149.66	10.3									
	158.30	150.00 out	8.3	8+84.6	4" N 150.43		97-15387-7		1211 Hickory		9-2-97	
	158.30	150.10 in	8.2									
9+00	158.30	150.16	8.1									
	159.50	150.53	9.0	9+91.2	4" NW 150.86		98-11714-7	2000-02207 2005-01151	1213 Hickory 1209 Hickory	See Below	6-29-98	10-9-00 11-31-00

2000-02207 - 1209 N Hickory Creek - 10' 9" 100 - Mics const - 4" SCH 40 - Rep Linc 5' of pipe