

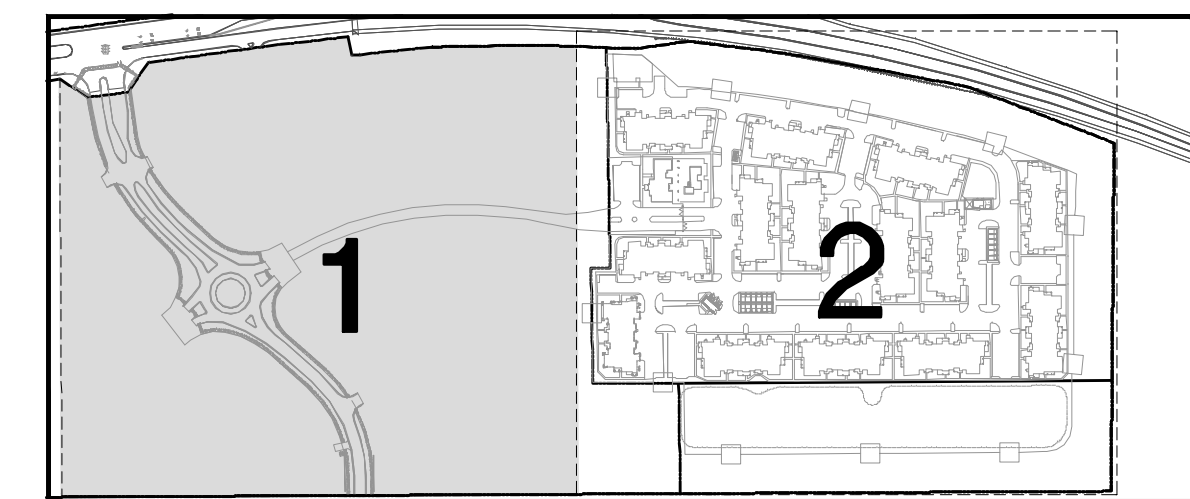
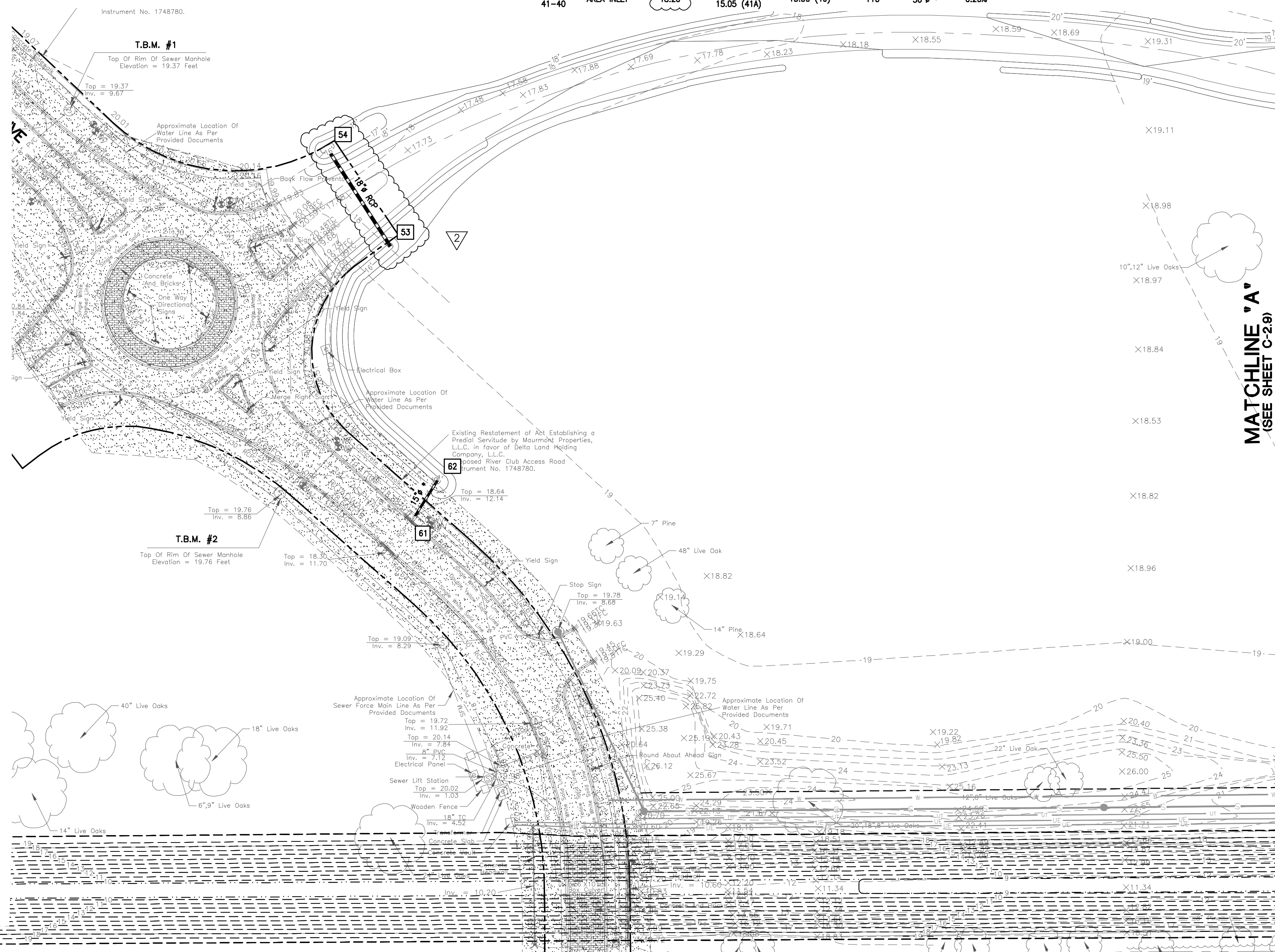
STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
1	OPEN PIPE		8.00 (2)			
2	MANHOLE	18.75	8.07 (2B) 14.00 (2A)	8.07 (1)	33	54" RCP 0.20%
2A	90° BEND			14.74 (2)	148	15" PVC 0.50%
2B	CONFLICT BOX	19.00	8.12 (3)	8.12 (2)	25	54" RCP 0.20%
3	AREA INLET	18.40	8.22 (4) 13.50 (3A)	8.22 (2B)	52	54" RCP 0.20%
3A	45° BEND		13.91 (3B)	13.91 (3)	82	15" PVC 0.50%
3B	90° BEND			14.38 (3A)	94	15" PVC 0.50%
4	MANHOLE	18.37	8.39 (5) 8.39 (17)	8.39 (3)	83	54" RCP 0.20%
5	MANHOLE	18.35	8.60 (6) 14.14 (22) 14.00 (5A)	8.60 (4)	104	42" * 0.20%
5A	TEE			14.15 (5)	30	15" PVC 0.50%
6	AREA INLET	18.00	12.45 (6A)	8.67 (5)	33	42" * 0.20%
6A	MANHOLE	18.90	14.11 (6B) 12.59 (6)	12.59 (6)	69	42" * 0.20%
6B	90° BEND	16.46		14.84 (6A)	223	15" * 0.33%
8	AREA INLET	18.00	12.76 (9)	12.76 (6A)	84	42" * 0.20%
9	MANHOLE	18.80	12.79 (10) 12.79 (24)	12.79 (6)	16	42" * 0.20%
10	AREA INLET	18.30	12.94 (11)	12.94 (9)	77	36" * 0.20%
11	AREA INLET	18.30	13.08 (12) 14.00 (11A) 15.00 (11C)	13.08 (10)	69	30" * 0.20%
11A	60° BEND		14.18 (11B)	14.18 (11)	37	15" * 0.50%
11B	90° BEND			14.91 (11A)	146	15" * 0.50%
11C	45° BEND		15.21 (11D)	15.21 (11)	43	15" * 0.50%

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
41A	TEE			16.00 (41)	192	15" * 0.50%
42	AREA INLET	18.40	13.34 (42B) 14.00 (42A)	13.34 (41)	139	30" * 0.20%
42A	TEE			14.18 (42)	36	15" PVC 0.50%
42B	CONFLICT BOX	18.75	13.36 (43)	13.36 (42)	8	30" * 0.20%
43	MANHOLE	19.50	13.43 (44)	13.43 (42B)	36	30" * 0.20%
44	AREA INLET	18.20	13.52 (45)	13.52 (43)	47	30" * 0.20%
45	AREA INLET	18.00	13.71 (46)	13.71 (44)	94	24" * 0.20%
46	AREA INLET	18.00	13.87 (47) 15.50 (46A)	13.87 (45)	82	24" * 0.20%
46A	YARD INLET	18.50		15.79 (46)	58	15" * 0.50%
47	AREA INLET	18.10	14.02 (48)	14.02 (46)	77	24" * 0.20%
48	AREA INLET	18.45	14.18 (49) 14.50 (48A) 14.50 (48B)	14.16 (47)	71	18" * 0.20%
48A	TEE			14.68 (48)	37	15" PVC 0.50%
48B	TEE			14.64 (48)	28	15" * 0.50%
49	AREA INLET	17.90	14.36 (48)	14.36 (48)	99	15" * 0.20%
50	AREA INLET	18.00	14.00 (50A)	13.04 (54)	97	24" * 0.20%
50A	TEE			14.16 (50)	33	18" * 0.50%
51	AREA INLET	17.60	13.11 (35)	13.11 (35)	37	15" * 0.22%
52	AREA INLET	18.00	13.00 (40)	13.00 (40)	83	15" * 0.20%
53	OPEN PIPE		15.50 (54)			
54	OPEN PIPE		15.66 (53)		81	18" RCP 0.20%

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
55	OPEN PIPE		8.00 (55A)			
55A	CONFLICT BOX	19.00	8.08 (56)	8.08 (55)	40	42" * 0.20%
56	AREA INLET	19.00	8.15 (55A)		34	42" * 0.20%
57	OPEN PIPE		12.00 (58)			
58	TEE		12.15 (59) 12.15 (60)	12.15 (57)	30	18" PVC 0.50%
59	90° BEND			12.72 (58)	115	15" PVC 0.50%
60	90° BEND			13.32 (58)	234	15" * 0.50%
61	OPEN PIPE			15.00 (62)	29	15" * 3.44%
62	OPEN PIPE		14.00 (61)			

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
110	90° BEND			16.11 (11C)	179	15" * 0.50%
12	AREA INLET	18.50	13.24 (13)	13.24 (11)	81	30" * 0.20%
13	MANHOLE	18.50	13.43 (14) 13.43 (28)	13.43 (12)	93	30" * 0.20%
14	AREA INLET	18.00	13.53 (15)	13.53 (13)	50	24" * 0.20%
15	MANHOLE	18.90	13.75 (16) 13.75 (27)	13.75 (14)	111	24" * 0.20%
16	AREA INLET	18.10	14.00 (16A)	13.93 (15)	90	15" * 0.20%
16A	45° BEND		14.29 (16B)	14.29 (16)	52	15" * 0.55%
16B	90° BEND			14.71 (16A)	85	15" * 0.50%
17	AREA INLET	17.80	8.46 (18)	8.46 (4)	34	48" * 0.20%
18	MANHOLE	19.30	8.64 (19)	8.64 (17)	89	48" * 0.20%
19	AREA INLET	18.00	8.85 (20) 14.00 (19A)	8.85 (18)	103	48" * 0.20%
19A	90° BEND			14.64 (19)	129	15" PVC 0.50%
20	AREA INLET	17.50	9.09 (21)	9.09 (19)	119	48" * 0.20%
21	AREA INLET	17.00	9.27 (20)	9.27 (20)	88	48" * 0.20%
22	MANHOLE	18.40	14.46 (23)	14.46 (5)	161	15" * 0.20%
23	AREA INLET	17.25	14.53 (22)	14.53 (22)	36	15" * 0.20%
24	AREA INLET	17.08	13.07 (25)	13.07 (9)	138	24" * 0.20%
25	AREA INLET	17.08	13.28 (26)	13.17 (24)	50	18" * 0.20%
26	AREA INLET	17.08	14.00 (26A)	13.50 (25)	109	18" * 0.20%
26A	TEE			14.32 (26)	65	15" * 0.50%

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE PIPE SLOPE
27	AREA INLET	18.00		13.81 (15)	31	15" * 0.20%
28	AREA INLET	17.90	13.57 (29)	13.57 (13)	71	18" * 0.20%
29	AREA INLET	17.90		13.81 (28)	118	15" * 0.20%
31	OPEN PIPE			12.34 (32)		
32	AREA INLET	18.30	12.48 (33) 14.00 (32A) 14.00 (32B)	12.48 (31)	68	42" * 0.20%
32A	TEE			14.21 (32)	42	15" * 0.50%
32B	TEE			14.17 (32)	34	15" * 0.50%
33	AREA INLET	18.10	12.69 (40) 12.69 (34) 14.00 (33A)	12.69 (32)	104	42" * 0.20%
33A	TEE			14.16 (33)	33	15" * 0.49%
34	MANHOLE	19.05	12.85 (35) 12.85 (50)	12.85 (33)	78	30" * 0.20%
35	MANHOLE	18.68	13.03 (36) 13.03 (51) 14.00 (35A)	13.03 (34)	90	30" * 0.20%
35A	TEE			14.16 (35)	32	15" * 0.50%
36	AREA INLET	18.35	13.16 (37)	13.16 (35)	67	24" * 0.20%
37	AREA INLET	18.00	13.31 (38) 14.00 (37A)	13.31 (36)	76	18" * 0.20%
37A	TEE			14.22 (37)	44	15" * 0.50%
38	AREA INLET	17.90	13.54 (39)	13.54 (37)	114	15" * 0.20%
39	AREA INLET	17.90		13.79 (38)	123	15" * 0.20%
40	AREA INLET	18.20	12.83 (41) 12.83 (52) 14.00 (40A)	12.83 (33)	72	36" * 0.20%
40A	TEE			14.17 (40)	35	15" PVC 0.50%
41	AREA INLET	18.20	13.06 (42) 15.05 (41A)	13.06 (40)	116	30" * 0.20%



KEY MAP
NTS

PIPE NOTES:

- PRIOR TO UTILIZING A PIPE OTHER THAN RCP, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT THE PIPE HAS ADEQUATE COVER AND EMBEDMENT PER THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE REINFORCED CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, & SEALED BY A REGISTERED ENGINEER, SHALL REPRESENT ACTUAL FIELD CONDITIONS, & SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

PIPE NOTES:
IN THE PLANS WHERE A SPECIFIC PIPE TYPE IS CALLED FOR, THAT SPECIFIC PIPE TYPE MUST BE UTILIZED. WHERE AN ASTERISK (*) IS SPECIFIED, THE CONTRACTOR MAY UTILIZE ANY ONE OF THE PIPE TYPES LISTED BELOW. THE #S LISTED REFER TO THE FOLLOWING PIPE TYPES:

- REINFORCED CONCRETE PIPE (RCP) OR REINFORCED CONCRETE PIPE ARCH (RCPA)
- CONTECH ULTRAFLOW METAL PIPE
- CONTECH A-2000 PVC

IF AN ASTERISK (*) IS NOT INDICATED THEN THE SPECIFIC PIPE TYPE SHALL BE USED.

STRUCTURE TYPES:

DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
AREA INLETS CB-01 (PIPE SIZE 36" & SMALLER)
MANHOLES RCB-11 MOD.
MANHOLES FLUMES SEE DETAIL SHEET
ALL INLET FRAMES & GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG #V-5724 OR EQUAL.

LEGEND - NEW IMPROVEMENTS

- SUBSURFACE DRAINAGE
- MANHOLE
- AREA INLET
- CURB INLET
- CONTOUR
- SLOPE
- STRUCTURE NUMBER
- RIP RAP

LEGEND - EXISTING

- FOUND 3/4" G.I.P.
- EXISTING POWER POLE
- EXISTING POWER POLE WITH LIGHT
- EXISTING GUY ANCHOR
- EXISTING OVERHEAD POWER LINE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER LINE
- ELEVATION OF TOP OF STRUCTURE TOP = 18.00
- ELEVATION OF BOTTOM OF STRUCTURE INV. = 15.00
- EXISTING SPOT ELEVATION x 1.59
- ELEVATION OF TOP OF CURB 18.50 FC
- ELEVATION OF FACE OF CURB 18.00 FC
- EXISTING SUBSURFACE DRAINAGE
- EXISTING CATCH BASIN/DROP INLET
- EXISTING REINFORCED CONCRETE PIPE 18" RCP
- EXISTING CORRUGATED METAL PIPE 24" CMP
- EXISTING SEWER FORCE MAIN 36" SM



STORM
DRAINAGE
PLAN 1

SCALE IN FEET



REVISION	BY
8-27-15	DJG
10-28-2015 CONSTRUCTION SET	SMT

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THOMAS H. BUCKEL
PROFESSIONAL ENGINEER
IN
STATE OF LOUISIANA
10/28/2015
DATE

SPRINGS @ RIVER CHASE
COVINGTON, LA
ST. TAMMANY PARISH
FOR CONTINENTAL 339 FUND LLC
COVINGTON, LA

DRAWN
DUG
CHECKED
THB
ISSUED DATE
10/28/2015
ISSUED FOR
CONSTRUCTION
PROJECT NO.
14-597
FILE
STORM DRAINAGE
SHEET
C-2.8

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