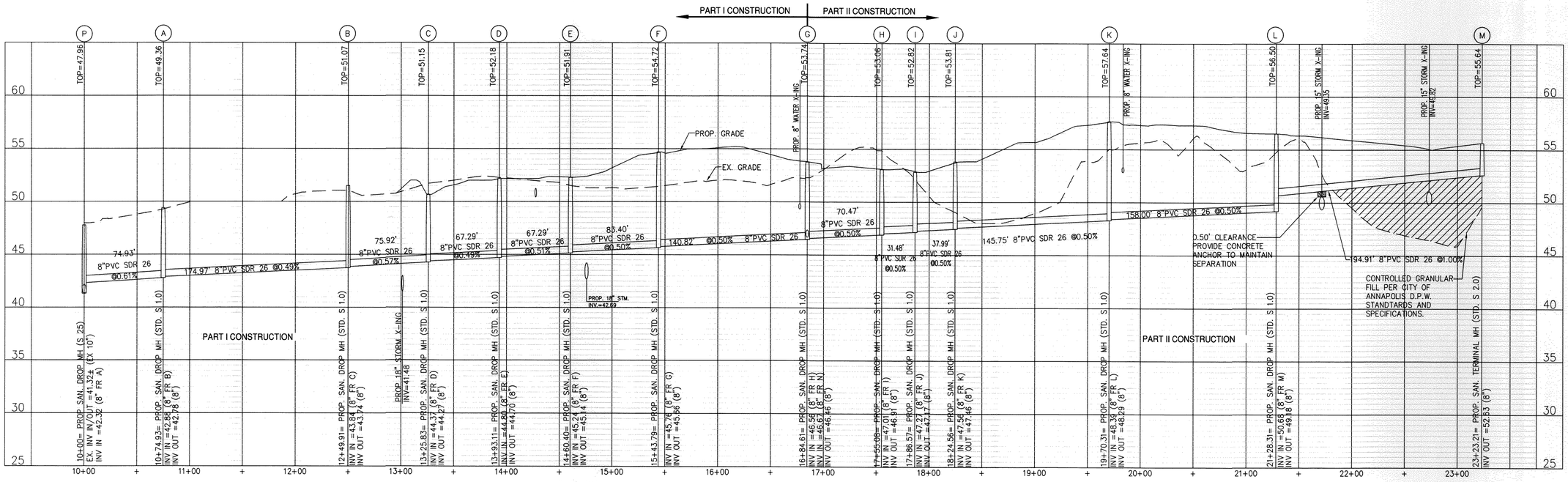
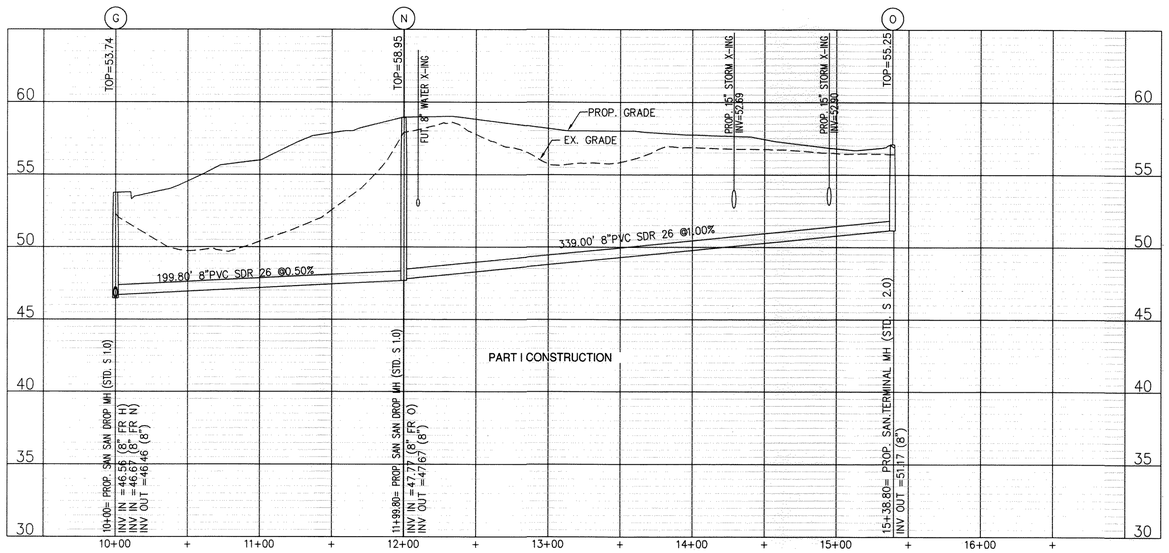


PROPOSED 8" SANITARY SEWER MAIN FROM EX. MH H TO MH M



PROPOSED 8" SANITARY SEWER MAIN FROM MH G TO MH O

DESCRIPTION MANHOLE FROM	TO	CAPITA INCR.	TOTAL	GPC PER DAY (GPC/DAY)	DOMESTIC FLOW (MGD) A.D.F. Incr. (MGD)	A.D.F. Accum (MGD)	P.F.F.	PEAK FLOW (MGD)	TOTAL PEAK FLOW (CFS)	LENGTH (FEET)	PIPE DIA. (IN)	SLOPE (%)	FLOWING FULL CAPACITY OF PIPE (MGD)	(CFS)	VEL. (FPS) (FPS)	PEAK FLOW DEPTH OF FLOW IN PIPE	VEL. (FPS) ACTUAL FLOW	ELEVATION OF INVERTS UPPER END	LOWER END
M	L	8	8	250	0.002	0.002	6.00	0.012	0.019	194.91	8	1.00	0.783	1.21	3.5	0.05	0.90	52.63	50.68
L	K	8	16	250	0.002	0.004	6.00	0.024	0.037	158.00	8	0.50	0.554	0.86	2.5	0.09	1.06	49.18	48.39
K	J	3	19	250	0.001	0.005	6.00	0.029	0.044	145.75	8	0.50	0.554	0.86	2.5	0.10	1.14	48.29	47.56
J	I	3	22	250	0.001	0.006	6.00	0.033	0.051	37.99	8	0.50	0.554	0.86	2.5	0.11	1.21	47.46	47.27
I	H	1	23	250	0.000	0.006	6.00	0.035	0.053	31.48	8	0.51	0.558	0.86	2.5	0.11	1.24	47.17	47.01
H	G	2	25	250	0.001	0.006	6.00	0.038	0.058	70.47	8	0.50	0.552	0.85	2.4	0.12	1.27	46.91	46.56
O	N	17	17	250	0.004	0.004	6.00	0.026	0.039	339.00	8	1.00	0.784	1.21	3.5	0.08	1.34	51.17	47.77
N	G	4	21	250	0.001	0.005	6.00	0.032	0.049	199.80	8	0.50	0.554	0.86	2.5	0.11	1.19	47.67	46.67
G	F	2	48	250	0.001	0.012	6.00	0.072	0.111	140.82	8	0.50	0.552	0.85	2.4	0.17	1.59	46.46	45.76
F	E	0	48	250	0.000	0.012	6.00	0.072	0.111	83.40	8	0.50	0.556	0.86	2.5	0.17	1.60	45.66	45.24
E	D	0	48	250	0.000	0.012	6.00	0.072	0.111	67.29	8	0.51	0.557	0.86	2.5	0.17	1.60	45.14	44.80
D	C	0	48	250	0.000	0.012	6.00	0.072	0.111	67.29	8	0.49	0.548	0.85	2.4	0.17	1.58	44.70	44.37
C	B	0	48	250	0.000	0.012	6.00	0.072	0.111	75.92	8	0.57	0.589	0.91	2.6	0.16	1.66	44.27	43.84
B	A	0	48	250	0.000	0.012	6.00	0.072	0.111	174.97	8	0.49	0.549	0.85	2.4	0.17	1.59	43.74	42.88
A	P	0	48	250	0.000	0.012	6.00	0.072	0.111	74.93	8	0.61	0.614	0.95	2.7	0.16	1.71	42.78	42.32

THESE PLANS ARE BASED UPON PLANS TITLED 'ARIS ALLEN BOULEVARD, LLC MIXED RESIDENTIAL' CREATED BY BOWMAN CONSULTING, PORTIONS OF WHICH ARE USED HEREIN.

SANITARY LATERAL TABLE / SANITARY MAIN LINE TABLE

UNIT NUMBER	MAIN LINE FROM	-	TO	Station (ft)*	LENGTH OF LATERAL (ft)	LATERAL GRADE/SLOPE (%)	INVERT OF MAIN @ LATERAL CONNECTION (ft)	Riser Ht. (ft) **	Location of Riser **	INVERT @ END OF LATERAL @ CLEANOUT (ft)	BASEMENT FLOOR ELEVATION (ft)	DELTA (ft)	LATERAL SIZE (in)	MAIN LINE SIZE (in)	MAIN LINE ((FROM)) LOWER MANHOLE	-	((TO)) UPPER MANHOLE	SLOPE OF MAIN LINE (%)	Lower Invert	Upper Invert	Length (CL to CL)	Distance from *LAT.* To the furthest point of building	Distance from *MAIN* To the furthest point of building	Elevation @ the furthest point of building	DELTA BF FROM BASEMENT (ft)
42	G	-	F	88.82	20	2.08	46.20	6.6	N/A	53.39	56.78	3.39	6	8	G	-	F	0.50	45.76	46.46	140.82	104	124.21	55.56	1.22
41	G	-	F	102.82	30	2.08	46.27	6.2	N/A	53.31	56.53	3.22	6	8	G	-	F	0.50	45.76	46.46	140.82	96	126.00	55.30	1.23
40	H	-	G	0.00	40	2.08	46.56	5	N/A	52.51	55.80	3.29	6	8	H	-	G	0.50	46.56	46.91	70.47	99	139.00	54.57	1.23
39	H	-	G	42.01	50.7	2.08	46.77	4.2	N/A	52.17	55.40	3.23	6	8	H	-	G	0.50	46.56	46.91	70.47	96	146.70	54.17	1.23
38	I	-	H	0.00	43.41	2.08	47.01	4.1	N/A	52.20	55.49	3.29	6	8	I	-	H	0.51	47.01	47.17	31.48	99	142.41	54.26	1.23
37	J	-	I	0.00	64.8	2.08	47.27	3.7	N/A	52.52	55.36	2.84	6	8	J	-	I	0.50	47.27	47.46	37.99	96	160.80	54.51	0.85
36	J	-	I	0.00	84.93	2.08	47.27	3.3	N/A	52.47	55.67	3.20	6	8	J	-	I	0.50	47.27	47.46	37.99	96	180.93	54.46	1.21
35	J	-	I	32.94	47.81	2.08	47.43	3.9	N/A	52.53	55.87	3.34	6	8	J	-	I	0.50	47.27	47.46	37.99	99	146.81	54.59	1.28
34	K	-	J	0.00	44	2.08	47.56	4.1	N/A	52.78	56.17	3.39	6	8	K	-	J	0.50	47.56	48.29	145.75	104	148.21	54.94	1.23
33	K	-	J	38.09	44	2.08	47.75	5	N/A	53.87	57.26	3.39	6	8	K	-	J	0.50	47.56	48.29	145.75	104	148.00	56.03	1.23
32	K	-	J	0.00	44	2.08	46.71	7.4	N/A	55.20	59.46	4.26	6	8	K	-	J	0.50	47.56	48.29	145.75	105	149.13	57.38	2.08
16	L	-	K	0.00	60.1	2.08	48.39	12	N/A	61.35	63.70	2.35	6	8	L	-	K	0.50	48.39	49.18	158	54	114.13	62.47	1.23
15	L	-	K	0.00	40.7	2.08	48.39	11	N/A	60.50	63.03	2.53	6	8	L	-	K	0.50	48.39	49.18	158	63	103.37	61.80	1.23
14	L	-	K	0.00	38	2.08	48.39	11	N/A	60.49	63.03	2.54	6	8	L	-	K	0.50	48.39	49.18	158	63	101.00	61.80	1.23
13	L	-	K	46.67	35.4	2.08	48.62	9.1	N/A	58.67	61.21	2.54	6	8	L	-	K	0.50	48.39	49.18	158	63	98.40	59.98	1.23
12	L	-	K	71.00	37.4	2.08	48.75	8.3	N/A	58.00	60.54	2.54	6	8	L	-	K	0.50	48.39	49.18	158	63	100.07	59.31	1.23
11	L	-	K	95.00	35.5	2.08	48.87	7.6	N/A	57.33	59.87	2.54	6	8	L	-	K	0.50	48.39	49.18	158	63	98.17	58.64	1.23
10	L	-	K	119.00	37.1	2.08	48.99	6.9	N/A	56.85	59.20	2.35	6	8	L	-	K	0.50	48.39	49.18	158	54	91.13	57.97	1.23
9	L	-	K	139.00	35.9	2.08	49.09	4.4	N/A	54.42	58.53	4.11	6	8	L	-	K	0.50	48.39	49.18	158	63	98.57	55.73	2.80
8	L	-	K	158.00	33.8	2.08	49.18	5.2	N/A	55.22	57.86	2.64	6	8	L	-	K	0.50	48.39	49.18	158	63	96.80	56.53	1.33
7	M	-	L	58.16	40	2.08	51.26	4.4	N/A	56.69	58.83	2.14	6	8	M	-	L	1.00	50.68	52.63	194.9	63	103.00	58.00	0.83
6	M	-	L	82.75	37.6	2.08	51.51	4.9	N/A	57.37	59.50	2.13	6	8	M	-	L	1.00	50.68	52.63	194.9	63	100.27	58.67	0.83
5	M	-	L	106.90	38.2	2.08	51.75	4.8	N/A	57.55	59.50	1.95	6	8	M	-	L	1.00	50.68	52.63	194.9	54	92.23	58.68	0.82
4	M	-	L	126.87	35.8	2.08	51.95	5.2	N/A	58.04	60.17	2.13	6	8	M	-	L	1.00	50.68	52.63	194.9	63	98.47	59.35	0.82
3	M	-	L	150.87	37.7	2.08	52.19	5.1	N/A	58.22	60.17	1.95	6	8	M	-	L	1.00	50.68	52.63	194.9	54	91.73	59.35	0.82
2	M	-	L	170.88	36.1	2.08	52.39	4.7	N/A	58.04	60.17	2.13	6	8	M	-	L	1.00	50.68	52.63	194.9	63	98.77	59.34	0.83
1	M	-	L	194.90	37.7	2.08	52.63	4.5	N/A	58.04	60.17	2.13	6	8	M	-	L	1.00	50.68	52.63	194.9	63	100.70	59.35	0.82
43	N	-	G	12.00	44	2.08	46.73	6.9	N/A	54.67	57.96	3.29	6	8	N	-	G	0.50	46.67	47.67	199.8	99	143.00	56.72	1.24
44	N	-	G	52.04	44	2.08	46.93	6.9	N/A	54.95	58.73	3.78	6	8	N	-	G	0.50	46.67	47.67	199.8	104	148.21	57.11	1.62
45	N	-	G	92.00	44	2.08	47.13	7.4	N/A	55.64	59.79	4.15	6	8	N	-	G	0.50	46.67	47.67	199.8	104	148.00	57.80	1.99
46	N	-	G	132.00	44	2.08	47.33	8.4	N/A	56.84	61.37	4.53	6	8	N	-	G	0.50	46.67	47.67	199.8	104	148.21	59.00	2.37
17	O	-	N	0.00	54.3	2.08	47.77	10	N/A	59.39	63.70	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	116.97	60.69	3.01
47	O	-	N	180.01	39.8	2.08	49.58	4.5	N/A	55.05	60.22	5.17	6	8	O	-	N	1.00	47.77	51.17	339	104	143.80	57.22	3.00
448	O	-	N	220.01	39.8	2.08	49.98	3.6	N/A	54.59	59.77	5.18	6	8	O	-	N	1.00	47.77	51.17	339	104	144.01	56.76	3.01
18	O	-	N	0.00	36.9	2.08	47.77	11	N/A	59.39	63.70	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	99.57	60.69	3.01
19	O	-	N	0.00	37.4	2.08	47.77	11	N/A	59.38	63.70	4.32	6	8	O	-	N	1.00	47.77	51.17	339	63	100.40	60.69	3.01
20	O	-	N	50.66	37.2	2.08	48.28	10	N/A	59.38	63.70	4.32	6	8	O	-	N	1.00	47.77	51.17	339	63	100.20	60.69	3.01
21	O	-	N	75.00	35.2	2.08	48.52	10	N/A	59.38	63.70	4.32	6	8	O	-	N	1.00	47.77	51.17	339	63	97.87	60.69	3.01
22	O	-	N	99.00	37.2	2.08	48.76	9.2	N/A	58.90	63.03	4.13	6	8	O	-	N	1.00	47.77	51.17	339	54	91.23	60.02	3.01
23	O	-	N	119.00	35.2	2.08	48.96	8.9	N/A	58.72	63.03	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	97.87	60.02	3.01
24	O	-	N	143.00	37.2	2.08	49.20	8.6	N/A	58.72	63.03	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	99.87	60.02	3.01
25	O	-	N	167.00	35.2	2.08	49.44	7.7	N/A	58.05	62.36	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	98.20	59.36	3.00
26	O	-	N	222.66	35.2	2.08	50.00	6.6	N/A	57.50	61.81	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	98.20	58.81	3.00
27	O	-	N	246.99	37.3	2.08	50.25	5.6	N/A	56.83	61.14	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	99.97	58.14	3.00
28	O	-	N	270.99	39.3	2.08	50.49	5.5	N/A	57.02	61.14	4.12	6	8	O	-	N	1.00	47.77	51.17	339	54	93.33	58.14	3.00
29	O	-	N	290.99	37.3	2.08	50.69	5.2	N/A	56.83	61.14	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	99.97	58.14	3.00
30	O	-	N	314.99	35.3	2.08	50.93	5	N/A	56.83	61.14	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	97.97	58.14	3.00
31	O	-	N	339.00	36.9	2.08	51.17	4.1	N/A	56.16	60.47	4.31	6	8	O	-	N	1.00	47.77	51.17	339	63	99.90	57.47	3.00

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PROJECT
ARIS T. ALLEN BOULEVARD
RESIDENTIAL PLANNED DEVELOPMENT
PART 1 - LOTS 26 - 31, 47 & 48
6TH ELECTION DISTRICT
CITY OF ANNAPOLIS, MARYLAND
TAX MAP/GRID: 51/E/8

STATE OF MARYLAND
PIERO VAN MELLITS
No. 21875
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
License No.: 21875 Expiration Date: 2/12/16

SHEET TITLE
SANITARY SEWER PROFILES

GRADING PERMIT NO.: GRD 14 - 0006

PROJECT NO.	130003.01
SCALE	AS SHOWN
DATE	5/30/2014
DRAWN BY	JDS/CLW
CHECKED BY	PVM/TJC
DRAWING NO.	C12.00

32 OF 66 SHTS

FILE NAME: P:\Proj130\130003.01 Aris T. Allen Property\10_Dwgs\C12.00 SANITARY PROFILES.dwg PLOT TIME: Mon, 02 Jun 2014 - 1:07pm LAST SAVE: Fri, 30 May 2014 - 5:29pm BY: JDSsley