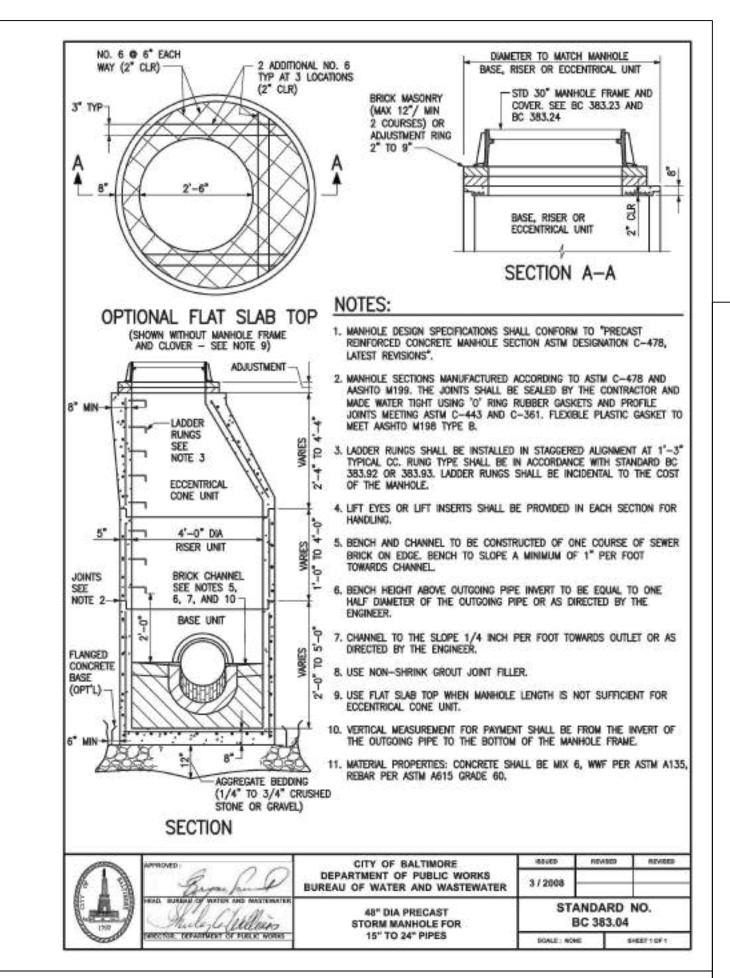
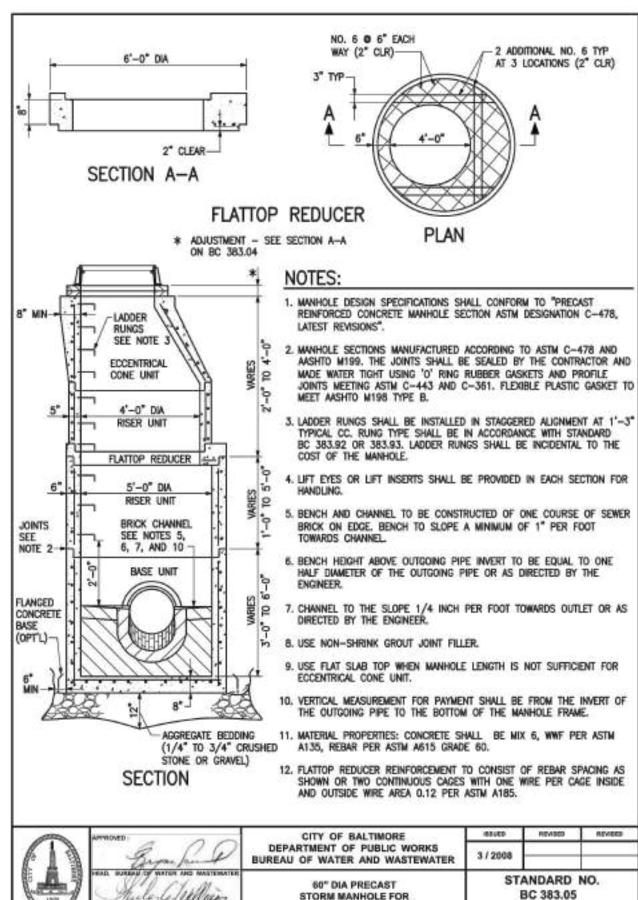


C-043 ESD # 7969

STRUCTURE SCHEDULE											
NO.	TYPE	INY. OUT	TOP ELEV.	DETAIL							
RS-1	TYPE S DBL GRATE TANDEM	271.59	276.67	BC 380.31							
S-1	SWM RELEASE STRUC.	274.25	288.45	SEE SHEET C-065							
5-2	SAND FILTER DIV. STRUC.	276.78 281.06	288.61	SEE SHEET C-065							
T-1	30" X 15" MYE	276.52									
T-2	24" X 18" WYE	286.34									
T-3	18" X 15" MYE	293.54									
T-4	15" X 15" MYE	297.12									
T-5	15" X 15" MYE	304.57									
UG	UNDERGROUND SWM QUANTITY VAULT	276.50	280.44	SEE SHEET C-065							





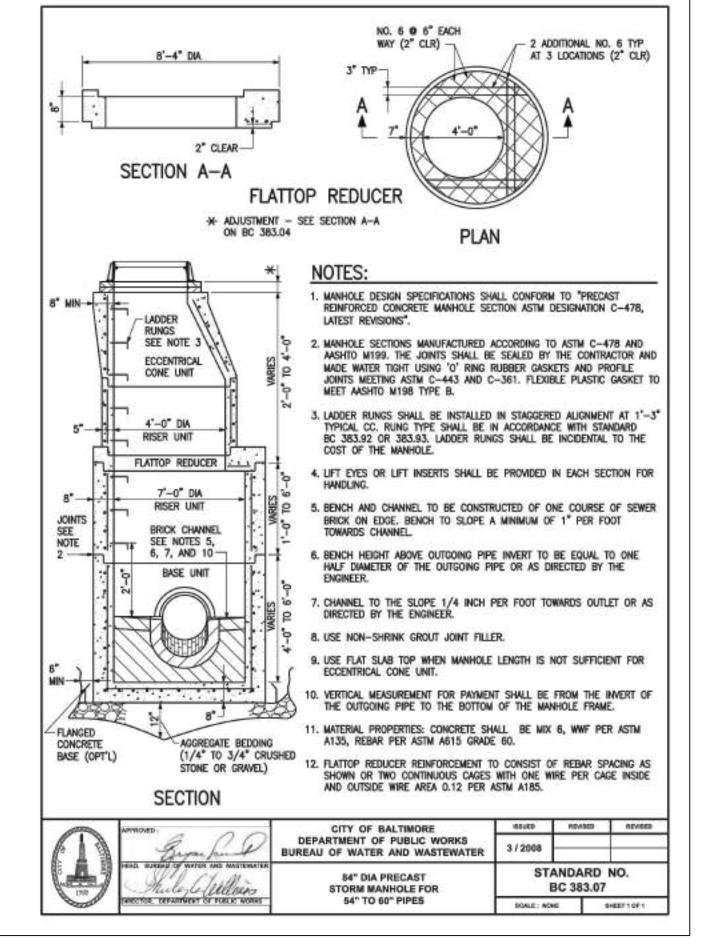
STORM MANHOLE FOR

27" TO 36" PIPES

SCALE; ACHE

MIECTOR DEPARTMENT OF PUBLIC WORKS

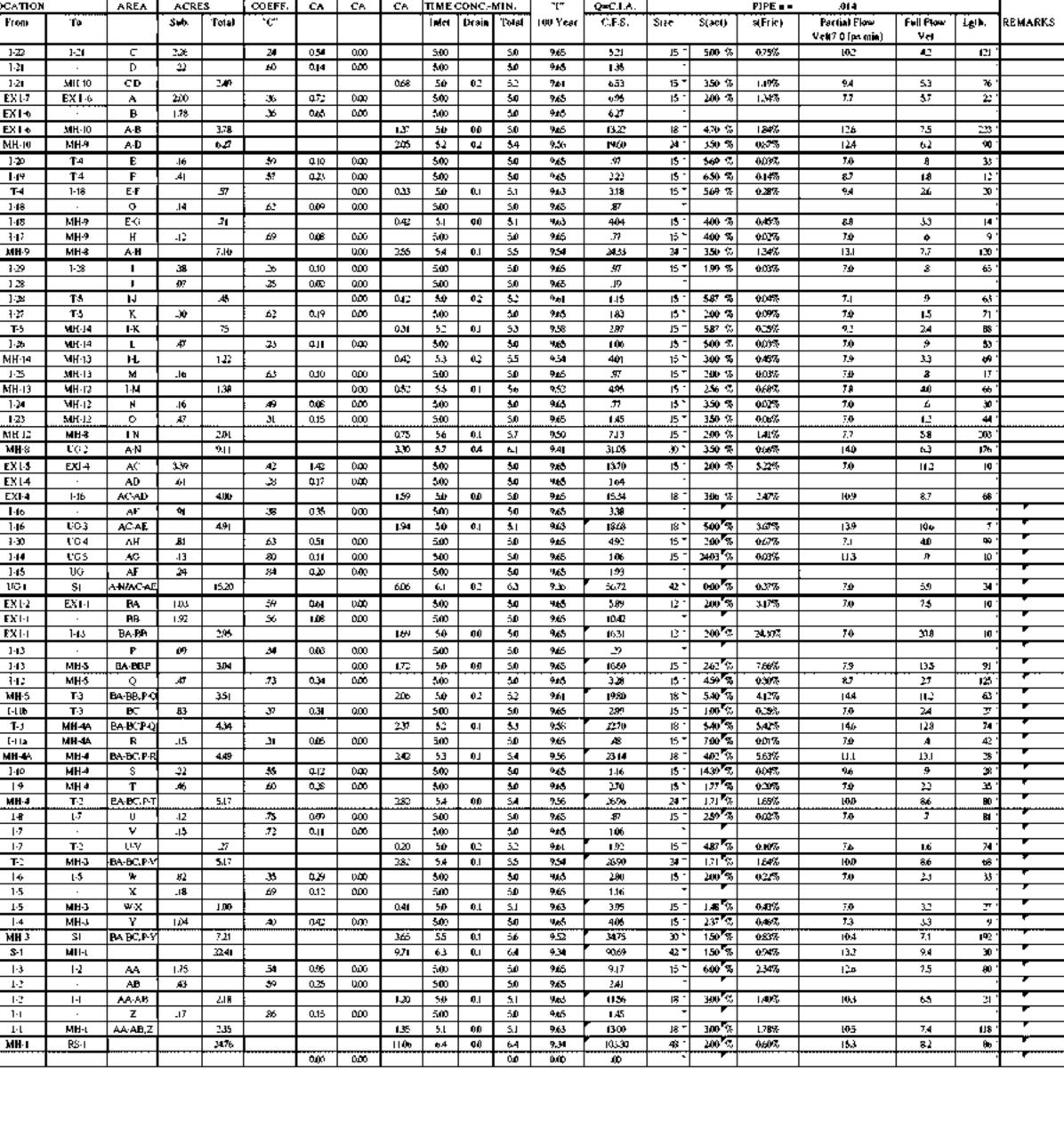
MANHOLE SCHEDULE											
NO.	TYPE	SIZE	INV. OUT	TOP ELEV.	DETAIL						
MH-1	84" DIA PRECAST	72"	273.31	283.41	BC 383.07						
MH-2	60" DIA PRECAST	60"	281.84	289.08	BC 363.05						
МН-З	60" DIA PRECAST	60"	284.67	289.28	BC 383.05						
MH-4	48" DIA PRECAST	48"	287.70	295.35	BC 383.04						
MH-4A	48" DIA PRECAST	48"	289.34	296.55	BC 383.04						
MH-5	48" DIA PRECAST	48"	296.96	304.00	BC 383.04						
MH-6	48" DIA PRECAST	48"	304.92	312.75	BC 383.04						
MH-7	72" DIA PRECAST	72"	281.88	290.48	BC 383.06						
MH-8	60" DIA PRECAST	60"	288.32	294.76	BC 383.05						
MH-9	48" DIA PRECAST	48"	293.01	299.54	BC 383.04						
MH-10	48" DIA PRECAST	48"	296.35	304.42	BC 383.04						
MH-11	48" DIA PRECAST	48"	293.46	299.03	BC 383.05						
MH-12	48" DIA PRECAST	48"	295.07	302.61	BC 383.04						
MH-13	48" DIA PRECAST	48"	296.95	304.15	BC 383.04						
MH-14	48" DIA PRECAST	48"	299.20	305.38	BC 383.04						
MH-15	48" DIA PRECAST	48"	284.05	289.39	BC 383.04						

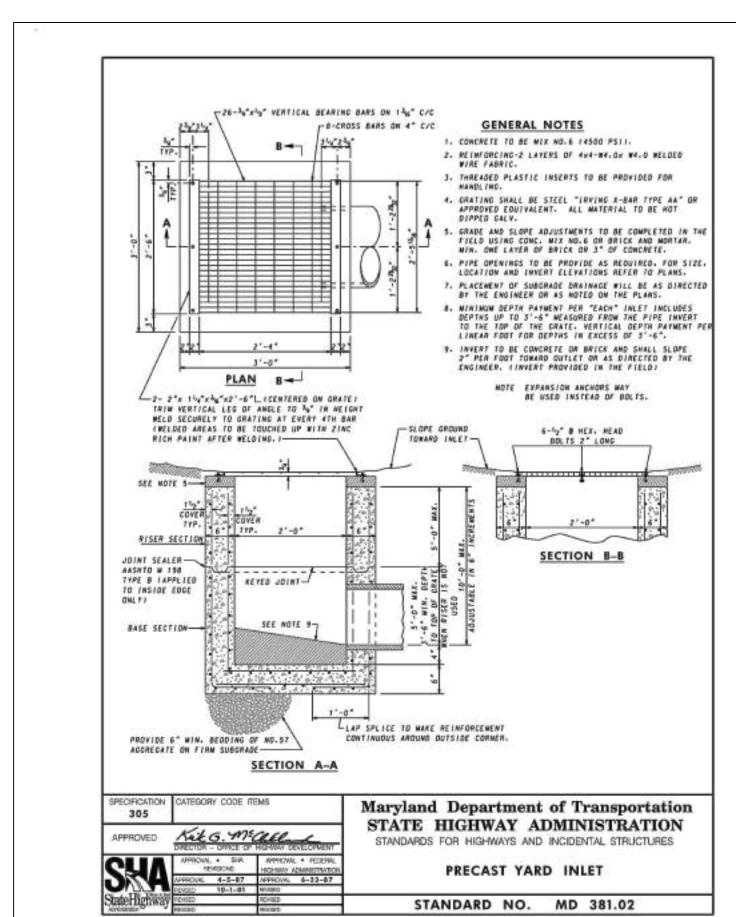


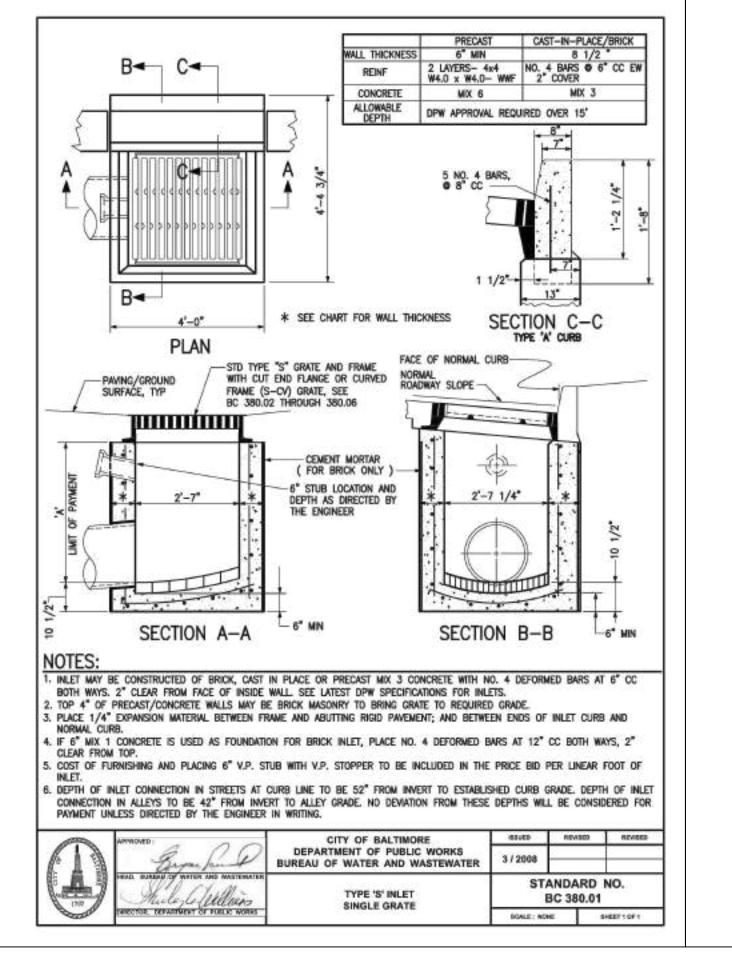
	INLET SCH	HEDULE			
NO.	TYPE	INV. OUT	TOP ELEV.	DETAIL	
I- 1	S COMB DBL GRATE TANDEM	279.35	288.62	BC 380.51	
l-2	S COMB DBL GRATE TANDEM	280.19	289.23	BC 380.51	
1-3	S COMB DBL GRATE TANDEM	285.27	290.82	BC 380.51	
1-4	EXISTING INLET	285.93	287.36		
1-5	TYPE S SINGLE GRATE	285.74	290.10	BC 380.01	_
1-6	TYPE S SINGLE GRATE	286.60	290.10	BC 380.01	
1-7	TYPE S SINGLE GRATE	290.33	294.53	BC 380.01	
1-8	TYPE S SINGLE GRATE	292.63	296.63	BC 380.01	
1-9	PRECAST YARD INLET	289.50	295.00	MD 381.02	
I-10	TYPE S SINGLE GRATE	292.95	296.95	BC 380.01	
l-11a	PRECAST YARD INLET	292.69	297.81	MD 381.02	
l-11b	PRECAST YARD INLET	293.93	297.50	MD 381.02	
I-12	TYPE S SINGLE GRATE	302.94	309.02	BC 380.01	
I-13	PRECAST YARD INLET	307.50	313.00	MD 381.02	
I-14	TYPE S SINGLE GRATE	283.86	287.86	BC 380.01	
I-15	TYPE S SINGLE GRATE	NOTE 1	287.85	BC 380.01	
I-16	PRECAST YAED INLET	280.70	286.23	MD 381.02	
I- 1 7	S COMB DBL GRATE TANDEM	295.56	299.39	BC 380.51	
I-18	S COMB DBL GRATE TANDEM	295.79	299.49	BC 380.51	_
1-19	TYPR S SINGLE GRATE	297.90	302.54	BC 380.01	-
1-20	TYPE S SINGLE GRATE	299.01	303.01	BC 380.01	-
l-21	PRECAST YARD INLET	301.00	306.00	MD 381.02	_
l-22	PRECAST YARD INLET	307.24	313.25	MD 381.02	
l-23	PRECAST YARD INLET	297.85	302.11	MD 381.02	
l-24	TYPE S SINGLE GRATE	297.36	301.68	BC 380.01	-
l-25	PRECAST YARD INLET	297.50	302.50	MD 381.02	_
l-26	PRECAST YARD INLET	302.07	308.00	MD 381.02	_
1-27	PRECAST YARD INLET	306.00	311.00	MD 381.02	
1-28	PRECAST YARD INLET	308.25	313.50	MD 381.02	-
1-29	PRECAST YARD INLET	309.75	313.75	MD 381.02	-
I-3 <i>0</i>	S COMB DBLE GRATE TANDEM	284.87	288.87	BC 380.51	-

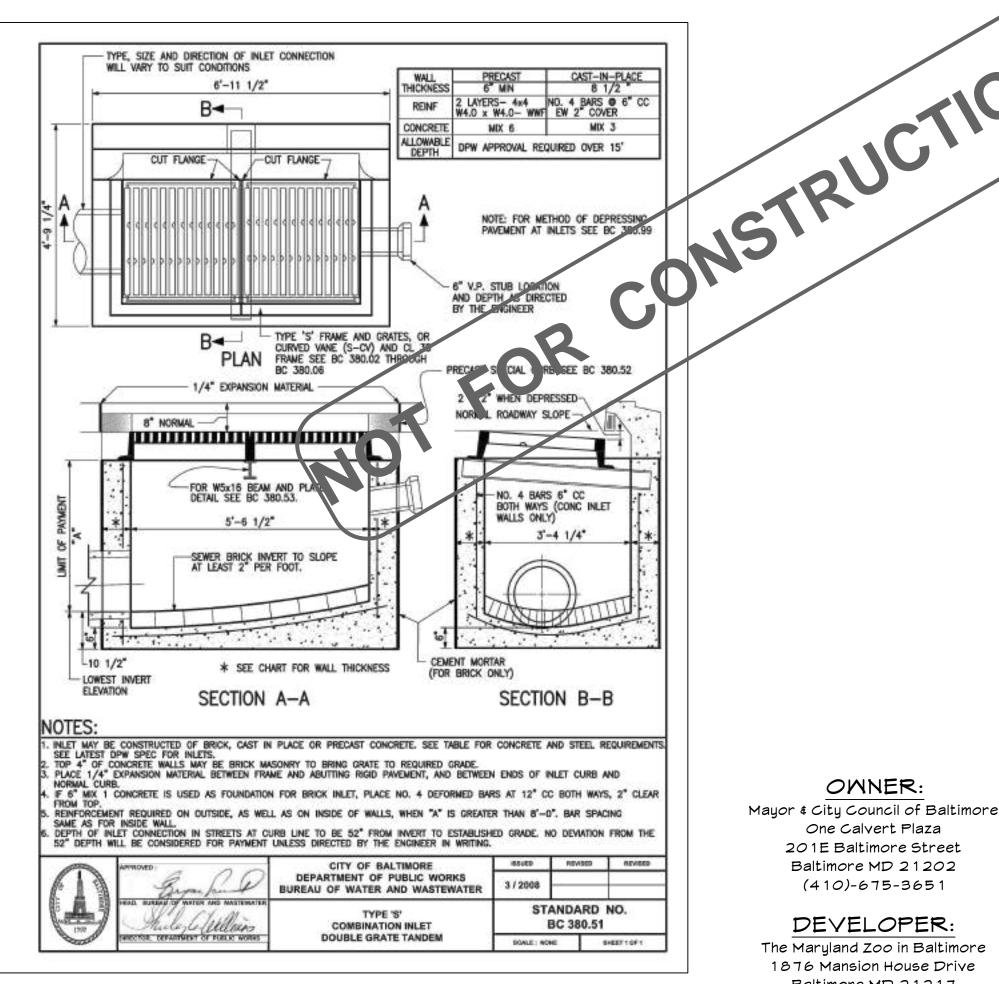
- . BOTTOM OF INLET WILL EMPTY DIRECTLY INTO THE TOP OF THE UNDERGROUND STRUCTURE.
- 2. ALL TOP ELEVATIONS ARE TOP OF GRATE. A. FOR INLETS IN ROADS THE ELEVATION IS AT THE BASE OF THE CURB WITH GRATES FOLLOWING THE CROSS SLOPE OF THE PAVEMENT. B. FOR INLETS OUSIDE OF THE ROAD ELEVATIONS ARE CENTER OF THE
- INLET GRATES AND ARE SET LEVEL. C. FOR INLETS IN THE ROAD NOT AJACENT TO A CURB ELEVATIONS ARE CENTER OF THE INLET GRATES AND FOLLOW ROAD SLOPE.

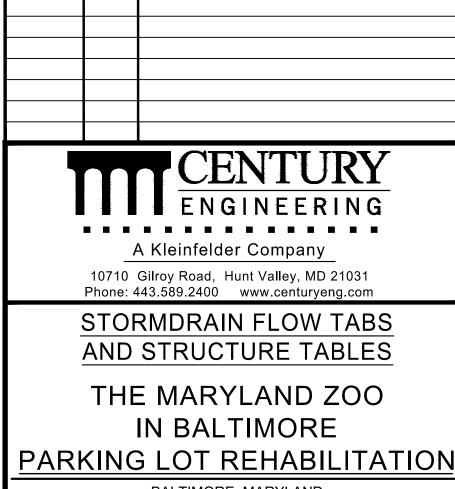
			I		E	5T '	SUMP	ı -	ı I			INTEN.	·			
LOCATION		AREA	ACRE	S	COEFF.	CA	CA	Σ CA	TIME∢	CONCH	MIN.	ייןר ואונאו.	Q=C.I.A.			P1PE ■
From	To		S⊌6.	Total	,c.,				İMe	Drain	ได้ต่	100 Year	C.F.S.	Size	S(act)	s(Frie)
1-22	1-21	-	2.26		24	054	0.00	\vdash	5.00		5.0	9.65	521	J5 ⁻	500 %	0.75%
1-21		D	22		H0	0.14	0.00		5.00		5.0	945	1.35	-		
1-21	MHI 10	CD I		2.40				83.0	50	0.2	52	761	653	15 ~	350 %	1.19%
EX 1-7	EX I 6	Α	2,00		36	472	0.000		500		50	9.65	0.25	15.1	200 %	1,34%
EXI+		В	1.78		.)6	046	0.00		5.00		5.0	946	627	-		
EXI∙	MH-10	A-B		3.78				127	50	00	5.0	946	63.22	18 -	4.70 %	124%
MH-10	MHA	A-D		6.27				245	52	0.2	54	9.56	1960	34 °	350 %	027%
1/20	T4	Е	-16		\$0	410	0.000		500		5.0	%5	.97	15 *	569 %	0.03%
144	T4	F	41		37	0.23	0.000		500		50	945	323	15 1	650 W	0.14%
T-4	1-18	E-F		57			000	0.33	50	0.1	5.1	943	3.18	15 ~	569 %	0.28%
148		0	.14		£	90.0	0.00		5400		5.0	9.68	.87	-		
148	MH-9	E-G		21				0.42	5.1	90	51	463	404	15 1	400 %	0.45%
147	MH-9	н	-10		- 69	0.08	0.00		5.00		5.0	965	.79	15~	400 %	002%
MH-9	MH-8	A-H		7.10			0.00	355	54	0.1	55	954	24.53	34 1	350 %	134%
1-29	1-38	ı	38		مد	0.10	0.00		500		5.0	965	.97	15 *	1.99 %	0.03%
1.28		J	97		. 25	0.00	0.00		5400		5.0	968	.19	-		
]/28	TS	Ŋ		45			0.00	042	5.0	02	52	961	1.15	15.1	5.87 %	0.04%
1:27	T4	ĸ	-)0		62	0.19	0.00		5.00		50	946	183	15.1	200 %	0.09%
T-5	MH -14	I-K		75				931	52	0.1	53	9.58	297	J5 ⁻	587 %	0.25%
1.26	MH -14	L	47		23	411	0.000		500		50	968	106	15 "	500 %	0.03%
MH:14	MH-13	H		1,22				0.40	5.3	0.2	55	954	401	15~	300 %	0.45%
1.25	MH-13	м	.le		<u>ئە</u>	010	0.00		500		5.00	946	97	15 *	200 %	0.03%
MH-13	MH-13	1-M		1.38			0.00	050	53	01	56	953	445	15.1	256 %	0,68%
1-24	MH-12	И	.16		: 49	0.06	0.00		500		5.0	944	.77	15.1	350 %	0.02%
1-23	MH-J2	0	A7		31	0.15	0.00		5.00		5.0	9.65	1.45	J5 *	350 %	0.06%
MHJZ	MH-8	IN		201				0.75	56	0.1	5.7	950	7J3	J5 ⁻	200 %	1.41%
MH-8	U(C)	A·N		9.11				730	5.7	0.4	M	9.4]	31.05	.e.	350 %	9.66%
EX13	EXI4	AC.	3.30		A2	IÆ:	0.000		500		50	9.65	13.70	15 1	200 %	5.22%
EX14		AD	-61		28	0.17	0.000		500		50	945	104			
EXI-4	I-16	AC-AD		4,00				159	540	0.0	5.00	946	15.54	18 -	396 17	2. 47 %
I-16		AF	여		38	035	0.00		500		50	965	3.38			
146	UG3	AC:AE		4.91				194	50	0.1	5.1	943	1878	18.	500 %	3.67%
1-30	1'64	ΛH	.B1		63	0.51	0.00		500		5.0	945	492	15 *	200 %	0.67%
144	UGS	AG	-13		80	0.11	0.00	<u> </u>	500		5.0	9.65	106	J5 ⁻	24.03 %	0.03%
145	UG	AF	24		.84	070	0.00		500		50	965	199			
1/G r	SI	A-N/AC-AE		15.20		<u> </u>		606	6.1	02	6.3	9.36	56.72	42 *	8 000	037%
EX12	EXIII	RA	103		5H	ф М	0.000		500		50	948	5.89	12 *	200 %	347%
EX14		PAB TO A PAGE	1.92	4.4	56	1.08	000		5.00		5.0	9.65	10.42		400 (0	
EX14	1-43	BA-BB		2,95		├──		169	50	00	50	965	1631	13.	200 %	24,97%
143	•	P	09		.34	0.03	0.00		500		5.0	9465	_29	_		
143	MH-S	BA-BBP		3,04	ļ	L	0.00	1.70	50	0.0	5.0	965	1650	15 -	262 %	7,66%
142	MH-5	Q .	.47		.73	0.34	0.00	<u> </u>	5.00		5.0	945	328	15.1	459 %	030%
MH-5	T-3	BA-BB, P-Q		351				206	5.0	0.2	52	96]	1980	18 ~	540 %	4,12%
[-[]6	T-3	BC .	83	43-	37	0.34	0.00		500		5.0	9.65	2.99	J5 T	1.00 %	0.39%
T-J	MH-4A	BA-BC-P-Q		4.34			200	237	52	Q.	5.0	9.56	Z270	18 -	540 %	\$42% 0.00%
[- a	MH-4A	R	-15		31	0.06	0.00		500		5.0	9.65	A8	15 *	700 %	901%
MH-4A	MH-4	BA-BC-P-R		4,49	.,	a :::	A.an	340	53	01	5.4	9.56	23 14	18 -	402 %	5.63%
]-(0	MH-4	S	-22		. 40	0.12	0.00		500		50	965	1.16	15 '	1439 %	004%
9	MH 4	T	.46		60	ಭ	0.00		5.00		5.0	945	270	15.7	177 %	0.20%
MH-4	T-2	PA/BC/P/T		5.17		····		380	54	00	5.4	9.56		24 *	1.71 %	1.65%
1-8	1.7	V	-12		75	0.00	000	 	5400		5.0	9.63	.87	15 -	259 %	0.02%
1.7	70.0	_	-15	177	72	ΔII	0.00		5.00	0.3	5.0	945	106		487 %	A 4/47
1.7	T-2	U-V BA BC BM		27		\vdash		0.20	50	0.2	52 64	9:61	192	15 -	171 %	0.10%
T-C LA	MH-3	BA-BC.PA		5.17	. 14	A Y:	15.645	387	5.4	0.1	55	954	2690	24 7	200 %	184%
1-6	1.5	₩.	165	L	. 35	0.29	0.000	ı	500	ı	50	986	280	15 1	400 70	0.22%











REVISIONS

BALTIMORE, MARYLAND WARD 13 SECTION 5 BLOCK 3499 LOT 001 **PROFESSIONAL** CERTIFICATION 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.: 32574 EXPIRATION DATE: 1/16/2024 DRAWN BY: DESIGN BY: DRS/KRB SCALE: NTS

PROJECT No.: 201069.00

OWNER:

One Calvert Plaza

201E Baltimore Street

Baltimore MD 21202

(410)-675-3651

DEVELOPER:

The Maryland Zoo in Baltimore

1876 Mansion House Drive

Baltimore MD 21217 C/O Karl Kranz

(410)-396-7102

REVIEW BY: REVIEW DATE: 7/15/2022 DRAWING:

ESD # 7969

C-044

