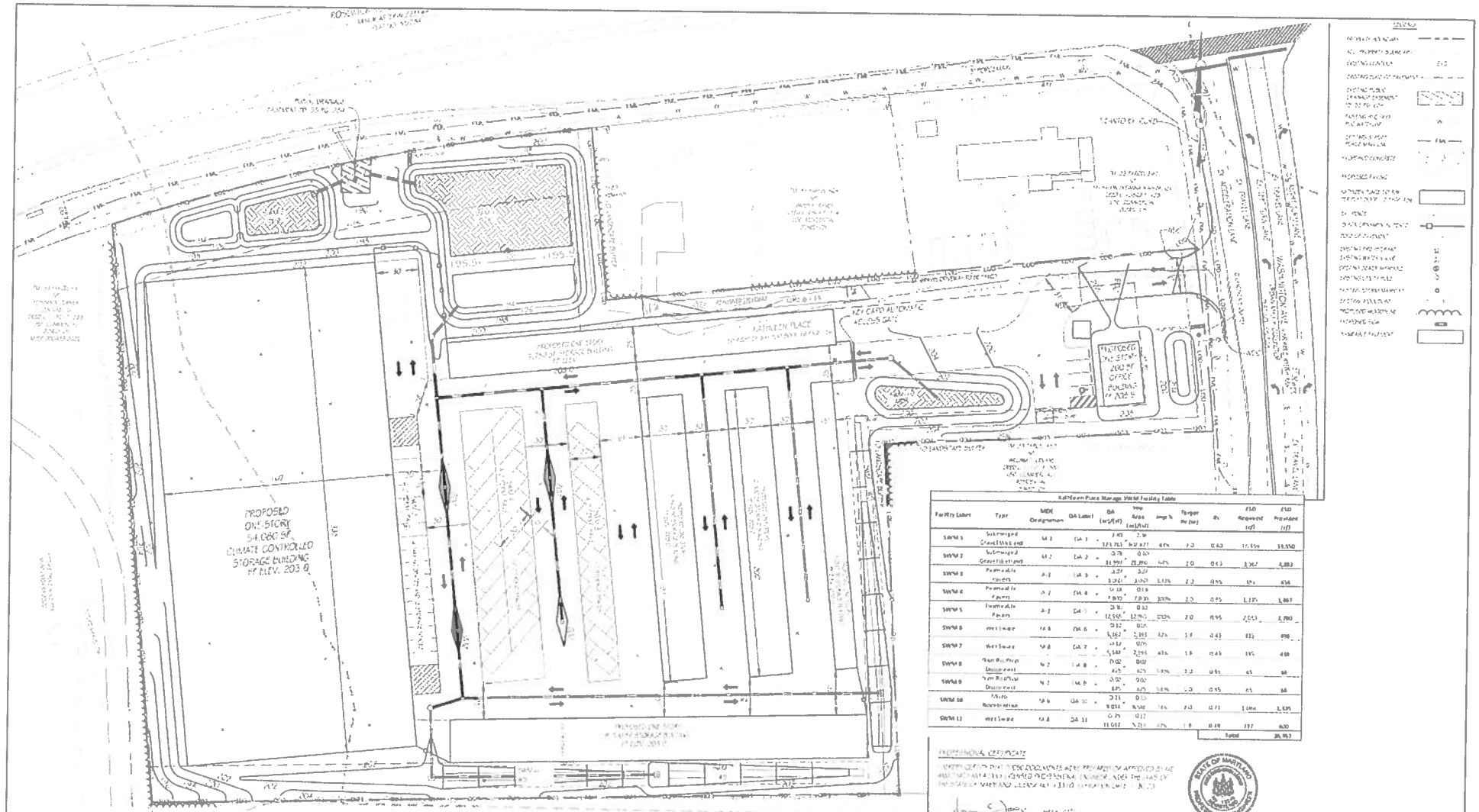

Kathleen Place Storage Water Facility Table											
Facility Label	Type	MDE Designation	DA Label	DA (ac)/(sf)	Imp Area (ac)/(sf)	Imp %	Target Pe (in)	Rv	ESD Required (cf)	ESD Provided (cf)
SWM 1	Submerged Gravel Wetland	M-2	DA 1	3.43 / 151,763	2.19 / 94,871	62%	2.0	0.43	17,556	18,550
SWM 2	Submerged Gravel Wetland	M-2	DA 2	3.78 / 81,997	0.63 / 21,896	16%	2.0	0.43	3,367	4,883
SWM 3	Permeable Pavers	A-2	DA 3	0.27 / 3,267	0.27 / 3,267	100%	2.0	0.95	516	654
SWM 4	Permeable Pavers	A-2	DA 4	0.18 / 7,872	0.18 / 7,872	100%	2.0	0.95	1,245	1,867
SWM 5	Permeable Pavers	A-2	DA 5	0.30 / 12,585	0.30 / 12,585	100%	2.0	0.95	2,553	2,780
SWM 6	Wet Swale	M-8	DA 6	0.12 / 5,262	0.05 / 2,193	42%	1.6	0.43	315	390
SWM 7	Wet Swale	M-8	DA 7	0.12 / 5,148	0.05 / 2,144	42%	1.6	0.43	195	418
SWM 8	Non Rooftop Disconnect	M-2	DA 8	0.02 / 825	0.02 / 825	100%	2.0	0.95	65	66
SWM 9	Non Rooftop Disconnect	M-2	DA 9	0.02 / 825	0.02 / 825	100%	2.0	0.95	65	66
SWM 10	Micro Bioretention	M-6	DA 10	0.21 / 9,034	0.15 / 6,530	72%	2.0	0.71	1,064	1,195
SWM 11	Wet Swale	M-8	DA 11	0.25 / 11,037	0.12 / 5,213	47%	1.6	0.43	197	630
								Total		26,957

Kathleen Place Storage ESD Summary										
Site	HSG	LOD (ac)/(sf)	Imp Area (ac)/(sf)	%	Target Pe (in)	Rv	ESDv Required (cf)	ESDv Provided (cf)	WQv Provided (ac-ft)	PE Provided (in)
	C	5.48 / 238,700	3.83 / 166,412	69.7%	2.0	0.68	26,954	26,957	0.3294	2.0

PROFESSIONAL CERTIFICATE

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. 13310, EXPIRATION DATE: 8/1/23

STATE OF MARYLAND
MICHAEL J. LORENTZ
No. 13310
PROFESSIONAL ENGINEER

TAX MAP 33 GRID 2 PARCELS 48 & 369

KATHLEEN PLACE STORAGE

6TH ELECTION DISTRICT, CHARLES COUNTY, MARYLAND

SITE LAYOUT AND SWM PLAN

DATE: [illegible] DESIGNED: [illegible] DRAWN: [illegible]

SCALE: [illegible]

LORENTZ TODDS AND GUNTER, INC.
[illegible]

2 OF 5

TOWN REF#

Town of Bryantown Approval

Planning Director: _____

Authorized Signature (Date): _____

Authorized Signature (Printed Name): _____