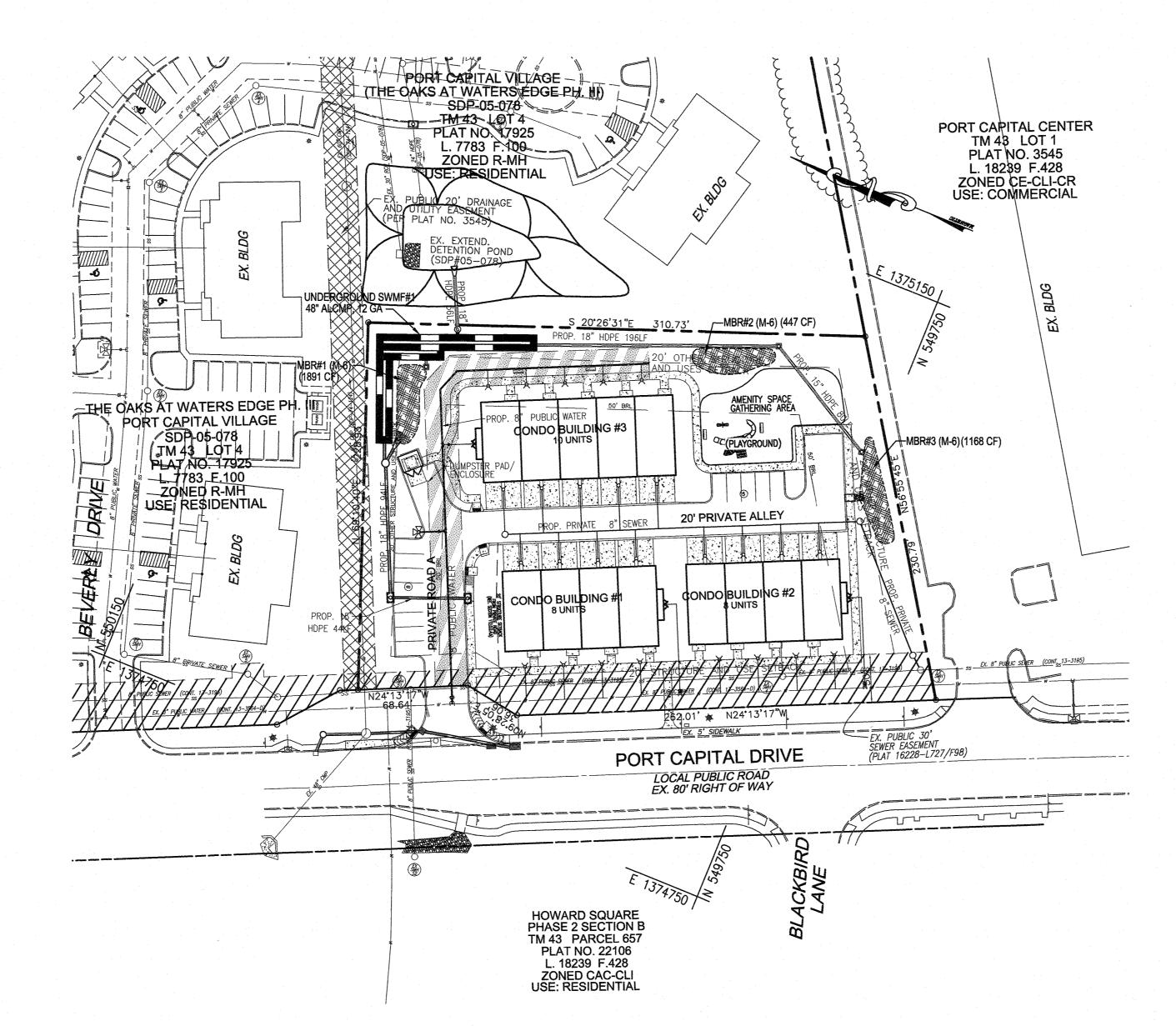
ENVIRONMENTAL CONCEPT PLAN "POTTER'S PLACE"

THE OAKS AT WATERS EDGE PHASE III

PARCEL 'A'



ENVIRONMENTAL SITE DESIGN NARRATIVE:
1. THE OAKS AT WATERS EDGE III, PARCEL 'A', HAS NO ENVIRONMENTAL FEAT
STREAM AND STREAM BUFFER, WETLAND AND WETLAND BUFFER, FLOODPLAIN A
2. THE OAKS AT WATER EDGE III, LOT 4, PREVIOUSLY CONSTRUCTED EXTENDE

LOCATION PLAN

SCALE: 1"=50'

NO ENVIRONMENTAL FEATURES, INCLUDING STEEP SLOPES, AND BUFFER, FLOODPLAIN AND WOODED RESOURCES. SLY CONSTRUCTED EXTENDED DETENTION POND UNDER SDP#05-078 PROVIDING CHANNEL PROTECTION STORGAGE VOLUME FOR THIS SITE BUT NOT WATER QUALITY VOLUME (WQV) OR RECHARGE VOLUME (Rev). WQV & Rev IS PROVIDED FOR THIS SITE BY USING THREE MICOR-BIO FACILITIES (M-6). 3. SEDIMENT CONTROL FOR THE SPECIFIC SITE PLAN WILL BE PROVIDED BY TWO PROPOSED SEDIMENT TRAPS AND EARTH DIKES. SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND WILL BE APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT. 4. THE RESULTS OF THE ENVIRONMENTAL SITE DESIGN WILL REFLECT "WOODS IN GOOD CONDITION"

	BENCHMARKS			
NO	Э.	NORTHING	EASTING	ELEVATION
438	32	551,654.993	1,378,176.951	209.601
438	36	550,601.597	1,376,866.072	210.559

LEGEND

RIGHT-OF-WAY LINE

EXISTING CURB AND GUTTER

______EX._24" RCCP _____ EXISTING STORM DRAIN

PROPOSED STORM DRAIN

PROPOSED SANITARY SEWER

PROPOSED CURB AND GUTTER

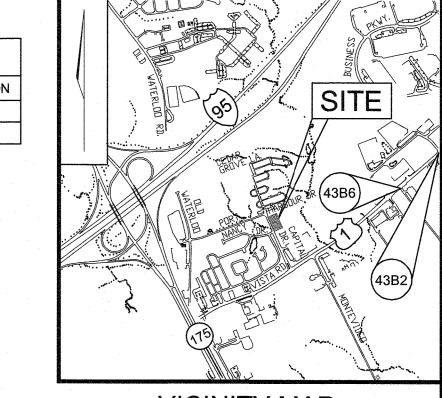
EXISTING UTILITY POLE

EXISTING LIGHT POLE

5' CONCRETE SIDEWALK

BIORETENTION AREA (M-6)

FIRE HYDRANT



VICINITY MAP SCALE: 1"=2000' ADC MAP = PAGE 34 E6

SITE DATA:

LOCATION: ELKRIDGE, MD.; TAX MAP 43, BLOCK 3, PARCEL 644 1ST ELECTION DISTRICT PRESENT ZONING: R-A-15 PROJECT AREA: 1.79 AC. DPZ REFERENCES: L,4393/F,343 USE OF STRUCTURE: CONDOMINIUM TOTAL BUILDING COVERAGE: 15,832 SF (0.36 AC. OR 20.30% OF GROSS AREA) PAVED PARKING LOT/AREA ON SITE: 11,066 SF (0.25 AC. OR 14.19% OF GROSS AREA) AREA OF GREENSPACE: 38,768 SF (0.89 AC. OR 49.7% OF GROSS AREA) LIMIT OF DISTURBED AREA: 1.79 AC WETLANDS WITHIN LOD: 0.00 AC. WETLAND BUFFERS WITHIN LOD: 0.00 AC.

STREAMS AND THEIR BUFFERS WITHIN LOD: 0.00 AC AREA OF ON-SITE 100 YEAR FLOODPLAIN WITHIN LOD: 0.00 AC AREA OF EXISTING FOREST WITHIN LOD: 0.00 AC. AREA OF ON-SITE NRCS/MDE/HSCD STEEP SLOPES (20% OR GREATER): 0.00 AC

GREEN AREA (MANAGED BY ESDv): 0.90 AC.

AREA OF ON-SITE STEEP SLOPES (25% OR GREATER): 0.00 AC AREA OF ERODIBLE SOILS: 0.00 AC. AREA MANAGED BY ESDV (THIS PLAN): 1.79 AC IMPERVIOUS AREA (MANAGED BY ESDv): 0.89 AC.

SHEET INDEX	-
DESCRIPTION	SHEET NO.
COVER SHEET	1
AYOUT, GRADING, SOIL EROSION AND SEDIMENT CONTROL PLAN	2
STORM WATER MANAGEMENT DRAINAGE AREA MAP, NOTES AND DETAILS	3

OWNER/DEVELOPER

PORT CAPITAL CENTER OF MARYLAND LLC P.O. BOX 416 ELLICOTT CITY, MD 21041 (410) 465-2020

			(410) 465-2020	
			-	
	-			
NO.	·	REVISION		DAT

ENVIRONMENTAL CONCEPT PLAN

COVER SHEET

POTTER'S PLACE THE OAKS AT WATERS EDGE PHASE II

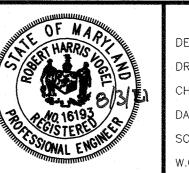
ZONED: R-A-15 TAX MAP 43 GRID 3 1ST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING

TIMMONS GROUP

P: 410.461.7666 F: 410.461.8961 www.timmons.com



ESIGN BY:	LRC
RAWN BY:	LRC
HECKED BY:	RHV
ATE:	JULY 2021
CALE:	AS SHOWN
/.O. NO.:	· ·

STORMWATER MANAGEMENT REQUIREMENTS				
AREA 1.79 AC.	REQUIREMENT	VOLUME REQUIREMENT	VOLUME PROVIDED	NOTES
1	WATER QUALITY VOLUME (WQv)	0.0742 AC. FT.	0.0805 AC. FT.	MICRO-BIORETENTION
2	RECHARGE VOLUME (REv)	0.0183 AC. FT.	0.0210 AC. FT.	MICRO-BIORETENTION
3	CHANNEL PROTECTION VOLUME (CPv)	**	**	**
4	OVERHEAD FLOOD PROTECTION (Q10P)			
5	EXTREME FLOOD VOLUME (Q ₁₀₀ P)	1,595 C.F.	1,595 C.F.	SWMF #1

**CPv PROVIDED BY MICROPOOL EXTENDED DETENTION POND ON ADJACENT LOT 4 (SDP-05-078)

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

GENERAL NOTES

AND MAINTAINED.

THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.

THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL PHOTOGRAMETRIC SURVEY PERFORMED BY POTOMAC AERIAL SURVEY, DATED MARCH, 1998 AND FIELD RUN TOPO BY ROBERT H. VOGEL ENGINEERING+TIMMONS GROUP, DATED MAY, 2018. OFFSITE TOPOGRAPHY FROM HOWARD COUNTY GIS.

THE PROJECT BOUNDARY IS BASED ON PLAT NO. 17925.

THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 43BC AND 43ED WERE USED FOR THIS PROJECT.

THE SUBJECT PROPERTY IS ZONED "R-A-15" IN ACCORDANCE WITH

43BC AND 43ED WERE USED FOR THIS PROJECT.

5. THE SUBJECT PROPERTY IS ZONED "R-A-15" IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.

6. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.

7. PUBLIC WATER IS PROVIDED BY CONTRACT 13-3564-D. PUBLIC SEWER IS PROVIDED BY CONTRACT 13-1395.

8. THERE ARE NO 100-YEAR FLOODPLAIN ON THIS SITE.

9. THERE ARE NO STEEP SLOPES LOCATED ONSITE.

10. FOREST STAND DELINEATION REPORT PREPARED BY ROBERT H. VOGEL ENGINEERING, INC. DATED DECEMBER, 2004.

11. THERE ARE NO WETLANDS, STREAMS OR BUFFERS, OR SPECIMEN TREES WITHIN THE LOD.

12. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.

13. PORT CAPITAL ROAD IS CLASSIFIED AS A LOCAL ROAD.

14. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS OR CEMETERIES ON THIS PROPERTY. THERE ARE NO HISTORIC HOUSES LOCATED ON THIS PROPERTY.

15. STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THREE MICRO-BIORETENTION FACILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.

16. AN UNDERGROUND SWM DETENSION FACILITY IS PROPOSED TO MANAGE ONLY THE 100-Yr. STORM EVENT. ALL OTHER STORM EVENTS WILL BE MANAGED BY THE EXISTING POND AS APROVED IN SDP-05-078.

SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR REDLINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL

OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT

PLAN AND/OR REDLINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW

COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW

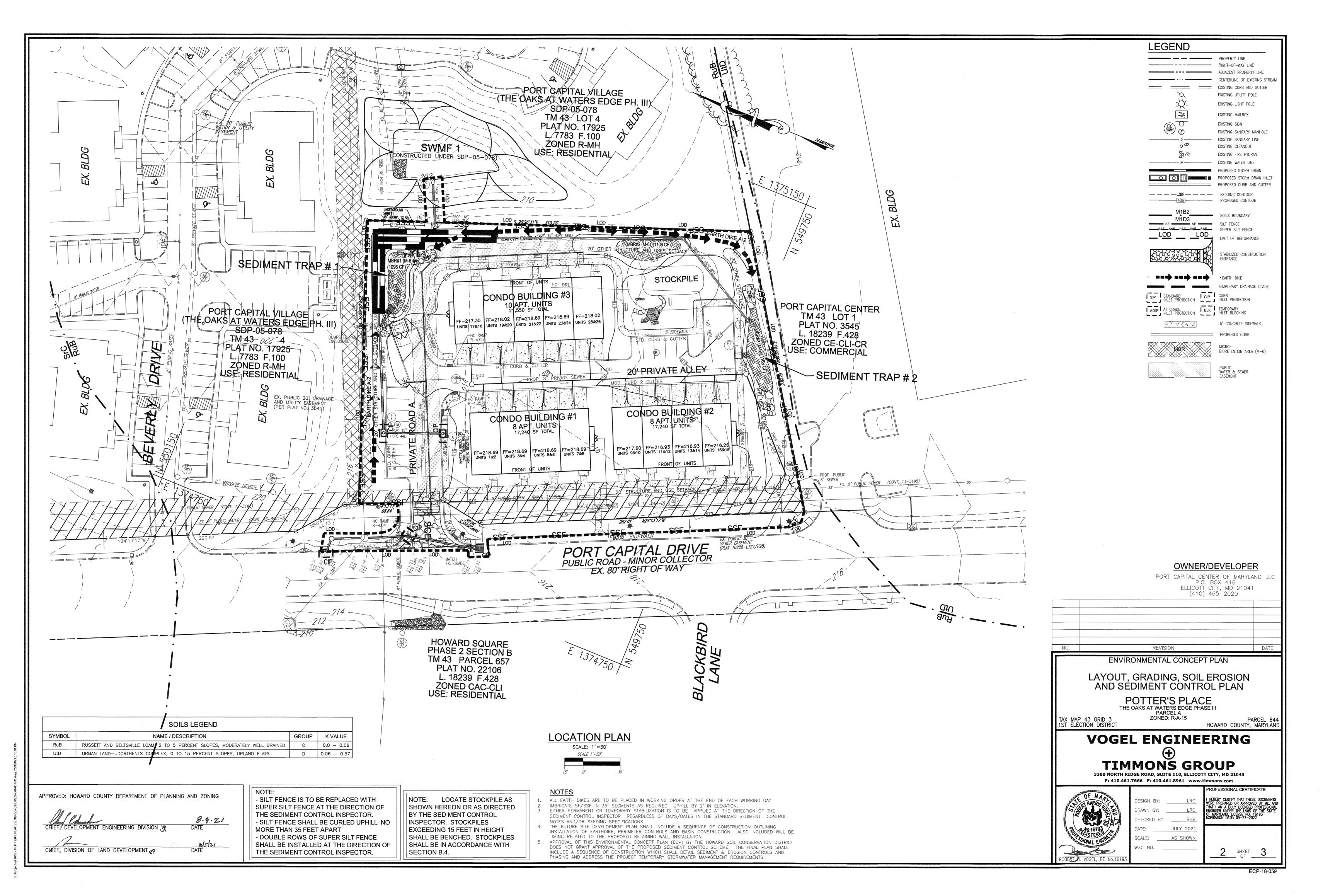
18. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT GRANT APPROVAL OF THE PROPOSED SEDIMENT CONTROL SCHEME. THE FINAL PLAN SHALL INCLUDE A SEQUENCE OF CONSTRUCTION WHICH SHALL DETAIL

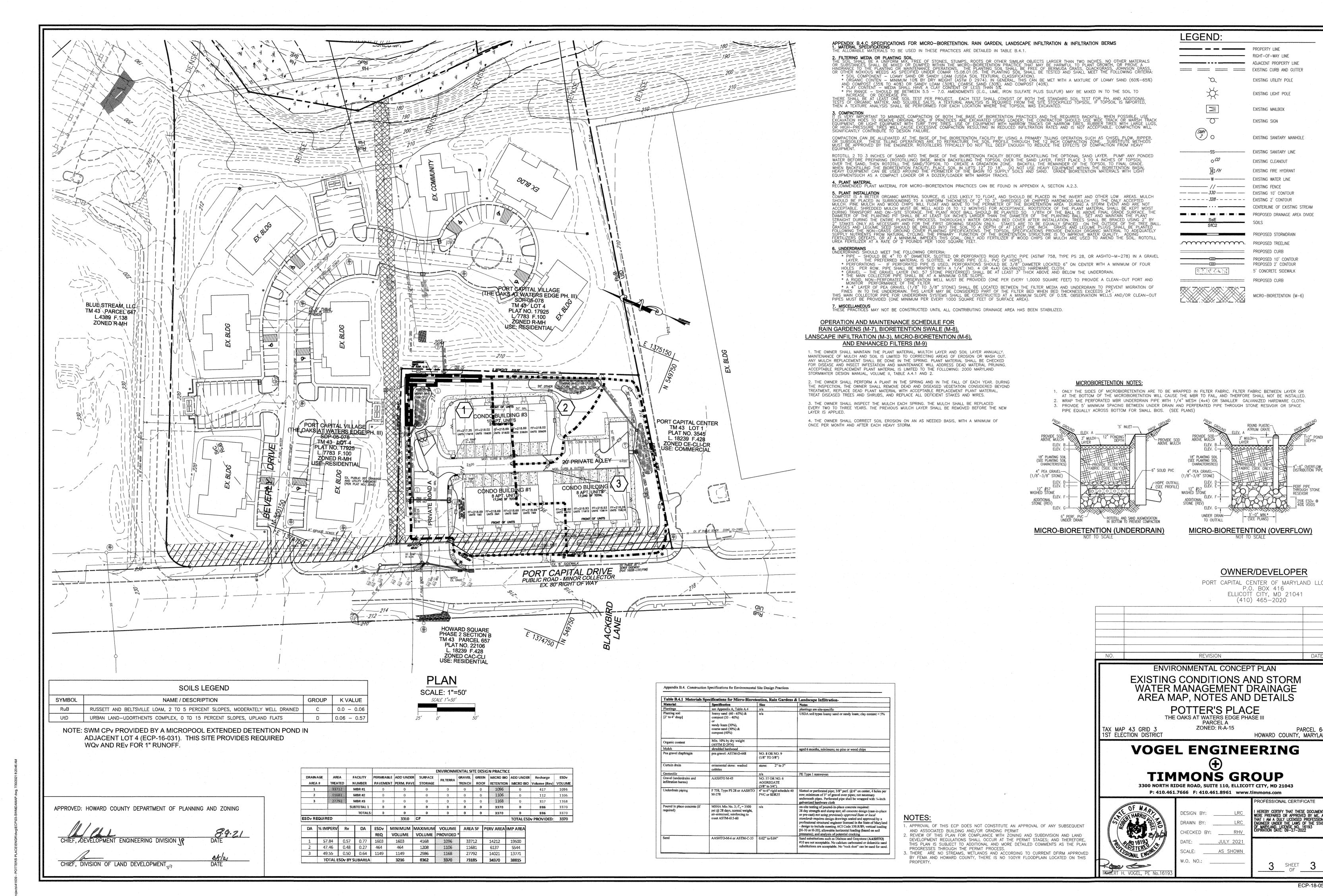
SEDIMENT & EROSION CONTROLS AND PHASING AND ADDRESS THE PROJECT TEMPORARY STORMWATER MANAGEMENT REQUIREMENTS.

19. DPZ FILE REFERENCE NUMBERS: SDP-74-124, F75-65, SDP-79-170, SDP-05-078, SDP-05-131, F-04-044, ZB1028M.

17. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED

8.9.21





HOWARD COUNTY, MARYLAND

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. 16193 EXPIRATION DATE: 09-27-2022

SHEET ____OF__

EXISTING UTILITY POLE

EXISTING LIGHT POLE

EXISTING MAILBOX

EXISTING SANITARY MANHOLE

EXISTING SANITARY LINE

EXISTING CLEANOUT EXISTING FIRE HYDRANT

EXISTING WATER LINE

5' CONCRETE SIDEWALK

MICRO-BIORETENTION (M-6)

EXISTING SIGN