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LEGEND

400	EXISTING CONTOUR
400	PROPOSED CONTOUR
	STABILIZED CONSTRUCTION ENTRANCE
> >	EARTH DIKE
SF	PROPOSED SILT FENCE
SSF	PROPOSED SUPER SILT FENCE
	EXISTING TREELINE
FP	100 YEAR FLOODPLAIN
SB	STREAM BUFFER
	CENTERLINE OF STREAM
WB	WETLAND BUFFER
	LIMIT OF WETLAND
	DRAINAGE DIVIDE

EARTH DIKE SIZING FOR PROPOSED CONDITIONS

EX. EARTH DIKE TREATMENT (PER F-17-001)

EARTH DIKE NO.	AVG. SLOPE	DRAINAGE AREA	TREATMENT	Q2	V2*	SHEAR STRESS (lb/ft²)
11	4.9%	0.30 AC.	A-2	0.85 CFS	4.15 FPS	0.43
12	4.5%	6.72 AC.	B-3	19.08 CFS	4.17 FPS	1.24
14	2.9%	1.45 AC.	A-2	4.12 CFS	5.36 FPS	0.51
17	-	-	-	-	-	-
23	8.1%	0.37 AC.	A-2	1.05 CFS	5.46 FPS	0.71
24	2.6%	0.67 AC.	A-2	1.90 CFS	1.90 FPS	0.10
25	1.9%	4.01 AC.	A-2	11.38 CFS	2.81 FPS	0.16
26	2.2%	1.09 AC.	A-2	3.09 CFS	2.17 FPS	0.12
27	1.4%	0.46 AC.	A-2	1.31 CFS	1.23 FPS	0.04
28	1.2%	0.15 AC.	A-2	0.43 CFS	1.51 FPS	0.04

*2-YEAR VELOCITY VALUES COMPUTED USING HYDRAFLOW EXPRESS EXTENSION.

PROPOSED EARTH DIKE TREATMENT

EARTH DIKE NO.	AVG. SLOPE	DRAINAGE AREA	TREATMENT	Q2	V2*	SHEAR STRESS (lb/ft²)
29	5.8%	0.47 AC.	A-2	1.33 CFS	5.13 FPS	0.54

*2-YEAR VELOCITY VALUES COMPUTED USING HYDRAFLOW EXPRESS EXTENSION.

NOTE: EARTH DIKE NUMBERING IS PER F-17-001 PLANS FOR CONSISTENCY.

GRAPHIC SCALE

100 0 50 100 200

1 inch = 100 ft.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DocuSigned by: 249E621A5D4A4C3... — 11/29/2021

Chief, Bureau of Highways — Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DocuSigned by: 1EB75478A328489... — 11/24/2021

Director, Division of Land Development — Date

DocuSigned by: Chad Edmundsen 1D0F7A5A2D4B4... — 11/23/2021

Chief, Development Engineering Division — Date

GLW PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY: AWL
DRAWN BY: AWL
CHECKED BY: DEV

DATE	REVISION	BY	APP'R.

PREPARED FOR:

WESTMOUNT DEVELOPMENT CORPORATION
307 INTERNATIONAL CIRCLE, SUITE 130
HUNT VALLEY, MARYLAND 21030
410-489-4489
ATTN.: ROBERT GOODIER

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS 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.12975
EXPIRATION DATE: MAY 26, 2022

10/28/21

STATE OF MARYLAND — ANDREW W. LEWIS — No. 12975 — PROFESSIONAL ENGINEER

EARTHDIKE TREATMENT PLAN - ULTIMATE CONDITIONS

WESTMOUNT - PHASE 4

LOTS 295-394 AND OPEN SPACE LOTS 395-418

A RESUBDIVISION OF NON-BUILDABLE BULK PARCELS E & F

ELECTION DISTRICT No. 2 — HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=100'	R-ED	13-013
DATE	TAX MAP - GRID	SHEET
OCT., 2021	23-6&12	32 OF 45

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F-21-032

L:\CADD\DRAWINGS\13013\PLANS BY GLW\ROADS-SD (PH4)\PHASE 4_31-32_SC - ED Treatment.dwg, PLOTTED BY: Paul Bergner, LAST SAVED: 10/28/2021 2:16 PM, LAST PLOTTED: 10/28/2021 2:16 PM