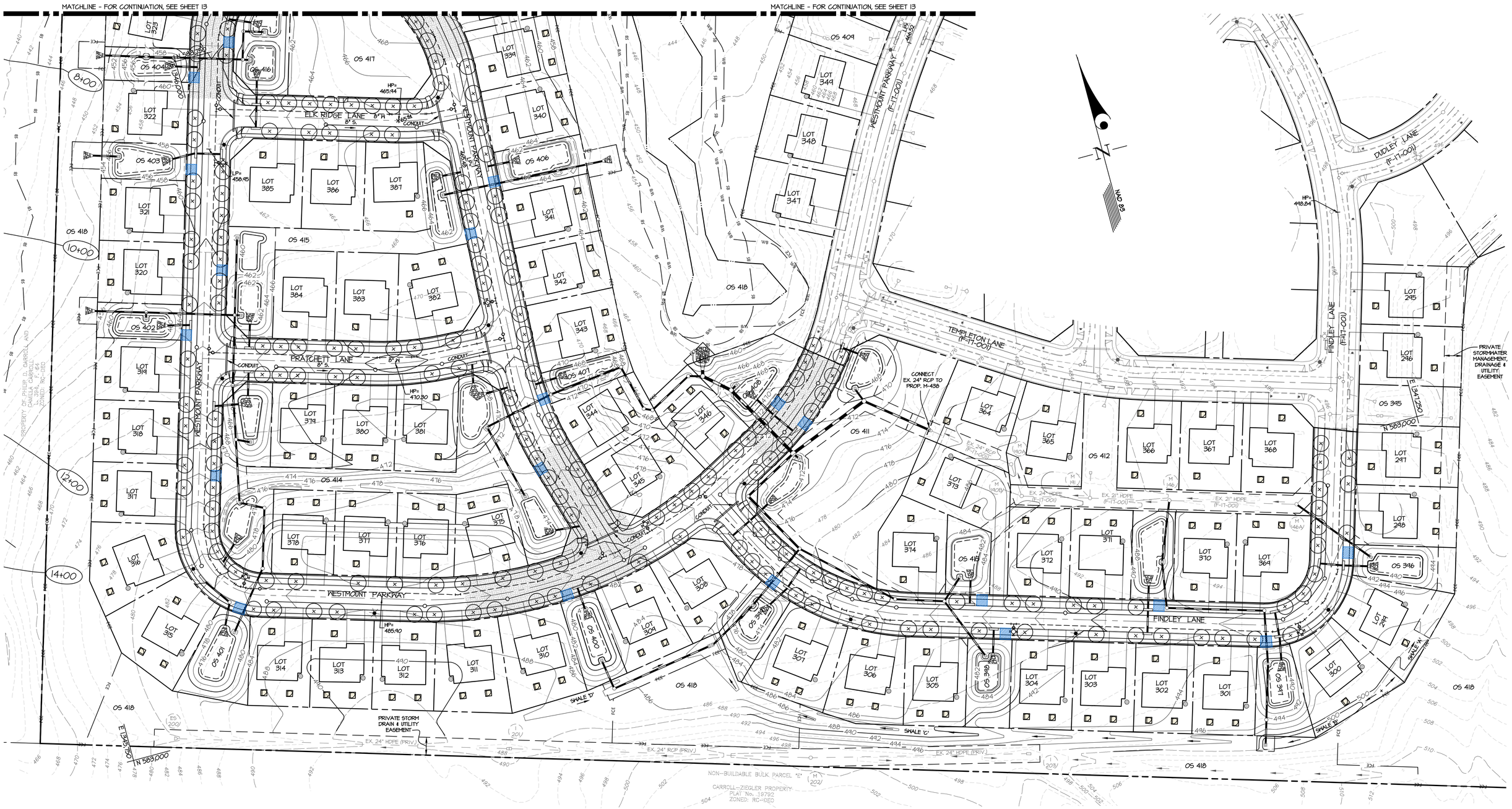
DocuSign Envelope ID: 42A4CCF4-8A0E-4DE5-9A1B-C40A02CEBB2F



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DocuSigned by: 3A9B2A4AC4AC2... — 11/29/2021

Chief, Bureau of Highways — Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DocuSigned by: 7E875478A705469... — 11/24/2021

Director, Division of Land Development — Date

DocuSigned by: Chad Edmondson — 11/23/2021

Chief, Development Engineering Division — Date

GRAPHIC SCALE

50 0 25 50 100

1 inch = 50 ft.

TYPICAL SWALE CROSS-SECTION

SWALE	DRAINAGE AREA (ac.)	Q_{10} (cfs)	V_{10} (fps)	FLOW DEPTH (ft)	SHEAR STRESS (lb/sf)
A	0.08	0.46	1.14	0.09	0.30
B	0.25	1.53	0.95	0.26	0.14
C	0.91	5.53	2.08	0.38	0.61
D	0.62	3.75	1.74	0.33	0.45

FLOODPLAIN ELEVATIONS	
STATION	ELEVATION
STREAM 'B'	
8+00	435.55
10+00	434.10
12+00	441.19
14+00	447.28

THE PURPOSE OF THIS PLAN IS TO CLEARLY SHOW THE GRADING THAT WILL BE USED ON OTHER SHEETS IN THE PLAN SET FOR THE DESIGN OF THE STORM DRAINS, STORMWATER MANAGEMENT AND SEDIMENT CONTROL.

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: DEV
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 — CHRISTOPHER W. GLASS — No. 12975 — PROFESSIONAL ENGINEER

GRADING PLAN

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"=50'	R-ED	13-013
DATE	TAX MAP - GRID	SHEET
OCT., 2021	23-6&12	14 OF 45

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F-21-032

L:\CADD\DRAWINGS\13013\PLANS BY GLW\ROADS-SD (PH4)\PHASE 4_13-14_GRADING.dwg, FEB 15,2022 - 2:27 PM, LAST SAVED 10/22/2021 2:24 PM, PLOTTED BY: Paul Lanham