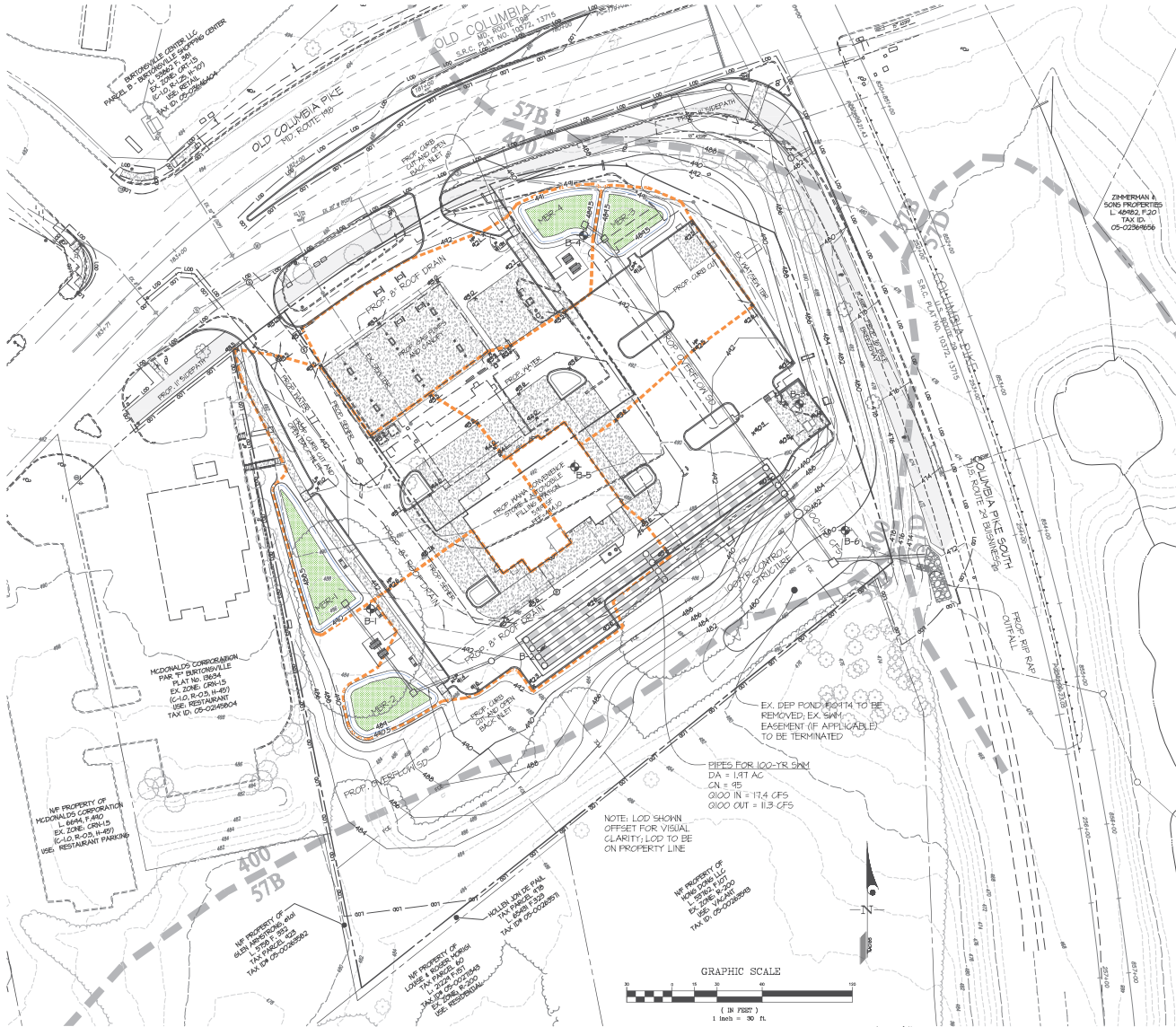
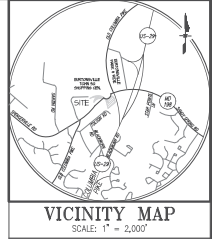


WAWA - BURTONSVILLE

STORMWATER MANAGEMENT CONCEPT PLAN



LEGEND

- 100 --- EXISTING CONTOURS
- 500 --- PROPOSED CONTOURS
- 50 --- EXISTING GURB
- 50 --- PROPOSED GURB
- 57B --- EXISTING SOIL DIVIDE
- 57D --- EXISTING SOIL DIVIDE
- 39 --- EXISTING WATER
- 39 --- EXISTING SEWER
- 39 --- EXISTING STORM DRAIN
- 39 --- PROPOSED WATER
- 39 --- PROPOSED SEWER
- 39 --- PROPOSED STORM DRAIN
- 39 --- PROPOSED DRAINAGE AREA
- 39 --- PROPOSED ESO HELL

100-YR SWM SUMMARY TABLE

DESCRIPTION	DRAINAGE AREA (AC)	Q100 (CFS)
EX. CONDITION DA-1 (TO RW)	0.61	5.4
EX. CONDITION DA-2 (TO ROAD)	2.93	17.0
TOTAL EX. CONDITION OUTFLOW (TR-20)	3.53	14.2
PROP. CONDITION INFLOW TO STORAGE PIPES	1.87	11.4
PROP. CONDITION OUTFLOW (TR-20)	1.87	11.5

SWM CONCEPT SUMMARY TABLE:

ENGINEER CONTACT INFO: SUK ATTN: DAVID CHA
3900 NATIONAL DRIVE, SUITE 250
BURTONSVILLE, MD 20866
TEL: (301) 421-4024

GENERAL PROPERTY INFORMATION:

SR# 28005
TYPE OF CONCEPT: STORMWATER MANAGEMENT CONCEPT
INTEGRITY PROCESS: SPECIAL EXCEPTION PLAN
PROPERTY ADDRESS: 1555 AND 1565 OLD COLUMBIA PIKE, BURTONSVILLE 20866
PROPERTY LEGAL DESCRIPTION: PARCEL C1 AND PARCEL D1
PROPERTY SIZE (AC): 3.57 AC (146,269 SF)
TOTAL CONCEPT AREA: 4.50 AC (193,276 SF) (LID)
WATERSHED AND STREAM CLASS: LOWER PANT BRANCH CLASS 1
SPECIAL PROTECTION AREA: N/A
100 YR FLOODPLAIN: N/A
EX. & IMPROVED/REDEVELOPMENT OR NEW DEVELOPMENT: 426 / REDEVELOPMENT

SHEET SUBSUMARY:

TARGET IMPROVED RFL: 120' / 120"
TARGET EX. IMPROVED ESDV: 1178' OF / 1106' OF
ESO MEASURES: AS MICRO-BIORETENTION POND
STRUCTURAL STORAGE REQUIRED/PROVIDED: N/A
STRUCTURAL MEASURES: N/A
HAZARD REGISTRATION/NO: NO
PROVIDED ESO / STRUCTURAL STORAGE PROVIDED / REQUESTED TO BE HAZARD: 1106' OF FT
OTHER INFORMATION: APPROVED NRI-FSD 42020R00, 100-YR DETENTION

MICRO-BIORETENTION SUMMARY TABLE

Basin	BA	Imp. Area	Ar	Max ESDV	Min ESDV	Provided ESDV
MB-1	10,000 sf	16,319 sf	1,341 sf	1,197 sf	2,399 sf	3,359 sf
MB-2	16,795 sf	19,972 sf	1,178 sf	1,209 sf	3,143 sf	3,143 sf
MB-3	16,899 sf	19,480 sf	994 sf	1,080 sf	2,888 sf	2,888 sf
MB-4	15,712 sf	12,610 sf	802 sf	1,013 sf	2,611 sf	2,554 sf
Total: 12,984 sf						

SHEET INDEX

SHEET TITLE	SHEET NO.
STORMWATER MANAGEMENT CONCEPT PLAN	1 OF 2
EXISTING CONDITIONS / EXISTING DRAINAGE AREA MAP	2 OF 3
STORMWATER MANAGEMENT DETAILS	3 OF 3

SWM Concept accepted for DPS
Sherry Mitchell, PE
02/02/2024



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. 20144. EXPIRATION DATE: JANUARY 30, 2026.

DESIGNED BY	REVIEWED BY	DATE	REVISION	BY	APPX.
DMC	DMC				
DMC					
TML					

PREPARED FOR:
HONG CHENG LLC & DOONG YA LLC
9100 SHAW LANE
POTOMAC, MARYLAND 20854
ATTN: KUO-CHEN CHENG
TEL: 301-928-2429

SCALE:
1" = 30'

DATE:
JAN. 2024

ZONING:
O-1.5
C-1.0, R-3.0, H-45

TAX MAP - ORD:
KS-62

STORMWATER MANAGEMENT CONCEPT PLAN
WAWA - BURTONSVILLE
Automobile Filling Station & Convenience Store
Parcel C & Parcel D
L12251 P. 145 & L. 59129 P. 243
MONROE COUNTY, MARYLAND

C. L. W. FILE NO.:
23078

SHEET:
1 OF 3