

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: \_\_\_\_\_ **ONSITE SEWAGE DISPOSAL SYSTEM** P \_\_\_\_\_

APPROVAL DATE: \_\_\_\_\_ **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 12225 MAYAPPLE DRIVE, SYKESVILLE, MD 21784

SUBDIVISION: WALKER MEADOWS LOT: 28 TAX ID: 03-601586

CONTRACTOR: SOUTH CARROLL BACKHOE, INC. EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 4410 SALEM BOTTOM ROAD, WESTMINSTER, MD 21157 PHONE: (410)875-4197

PROPERTY OWNER: NVR, INC. EMAIL: janastas@nvrinc.com

OWNER ADDRESS: 9720 PATUXENT WOODS DRIVE, COLUMBIA, MD 21046 PHONE: (410)379-5956

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault

PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

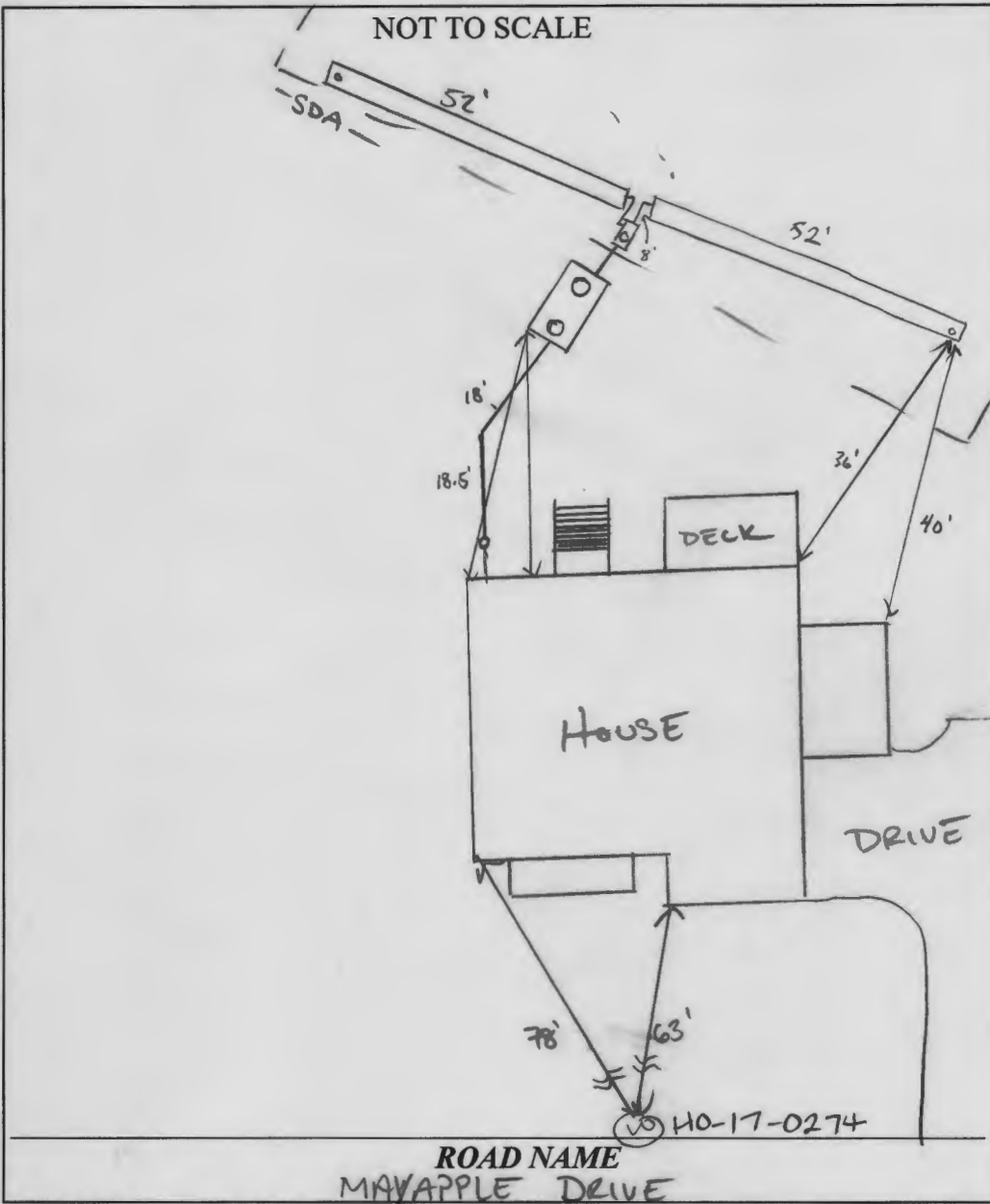
DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL THE SHC WITH AT LEAST TWO CLEANOUTS, PER PLAN.	

ISSUED BY: R BRICKER ISSUE DATE: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM  
 ELECTRICAL PERMIT ISSUED E n.a.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.  
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**



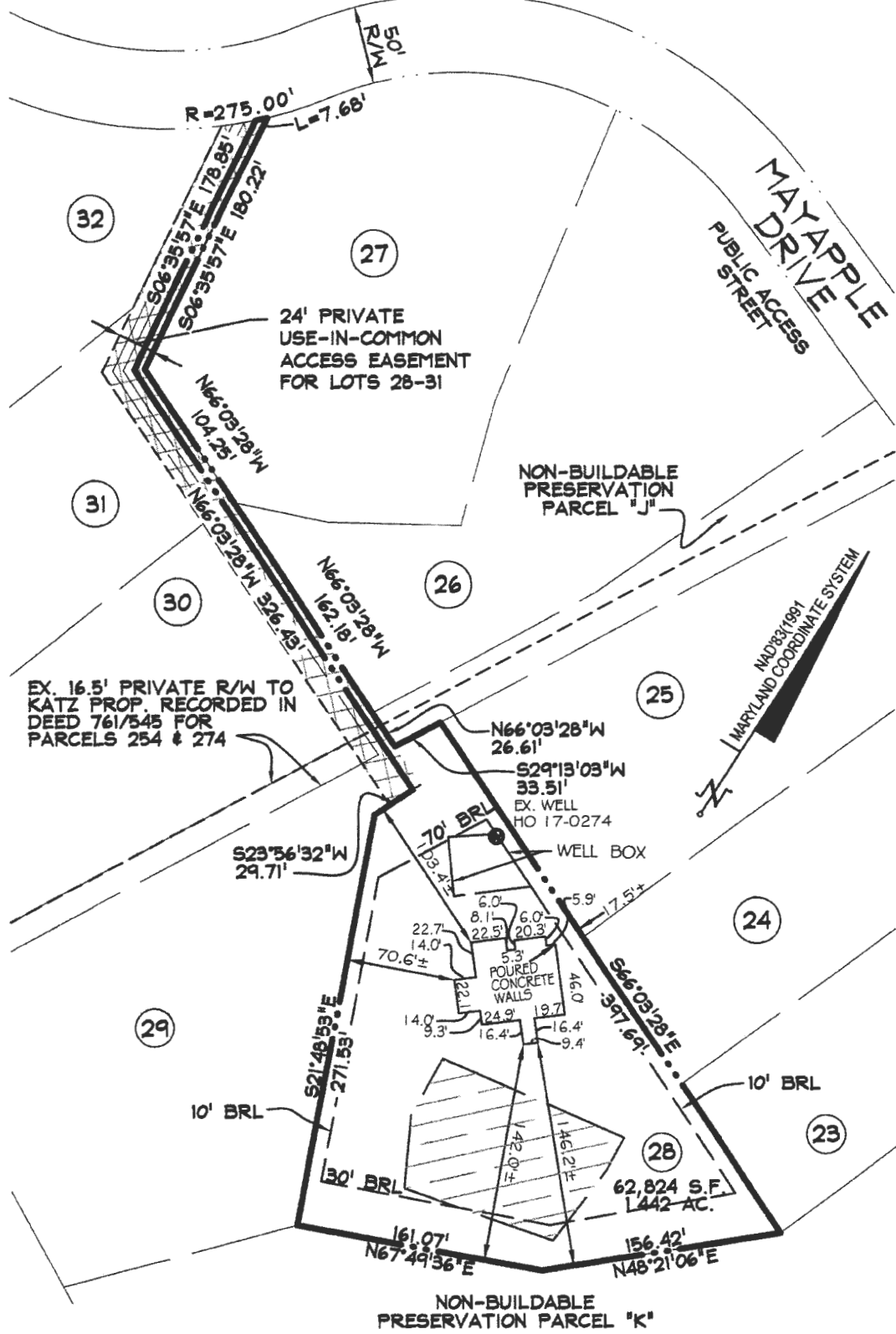
TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		312 sq ft + sidewalk
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BARNHORN
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5' - 1.5'
BAFFLES	YES
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	07/12/2021
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION: 04/02/2021 TANK, SDA, TRENCHES STAKED. CONFIRMED CONTOUR. OK TO START SDA.

INSTALLATION: 04/05/2021 SEWERLINE INSTALLED TO TANK, LEFT TRENCH COMPLETE. (S)  
 4/6/21 D-box leveled and right trench completed. Re-inspect for SHC. (S)  
 5/19/21 Water heard running from bathroom faucet through house clean out. SHC confirmed. (S)

FINAL INSPECTOR Susan Thomas DATE OF APPROVAL 5/19/21



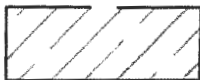
**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT I EITHER PERSONALLY PREPARED OR WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEYING WORK REFLECTED IN IT, AND THAT IT IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN REGULATION .12 OF CHAPTER 06, MINIMUM STANDARDS OF PRACTICE. I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE No. 11039, EXPIRATION DATE 09/16/22.

*[Signature]* 2/19/2021



BRL - BUILDING RESTRICTION LINE



PRIVATE SEWAGE DISPOSAL AREA



PRIVATE USE IN COMMON ACCESS EASEMENT

Approved 3/23/21 *[Signature]*

TOP OF WALL = 592.7

WALL CHECK  
12225 MAYAPPLE DRIVE  
LOT 28  
WALKER MEADOWS  
PLAT NO. 24978  
3rd ELECTION DISTRICT HOWARD COUNTY, MD

DDC JOB#:	12064.3
DATE:	02/19/2021
SCALE:	1"=100'
DRN. BY:	CWJ
CHK. BY:	JLM



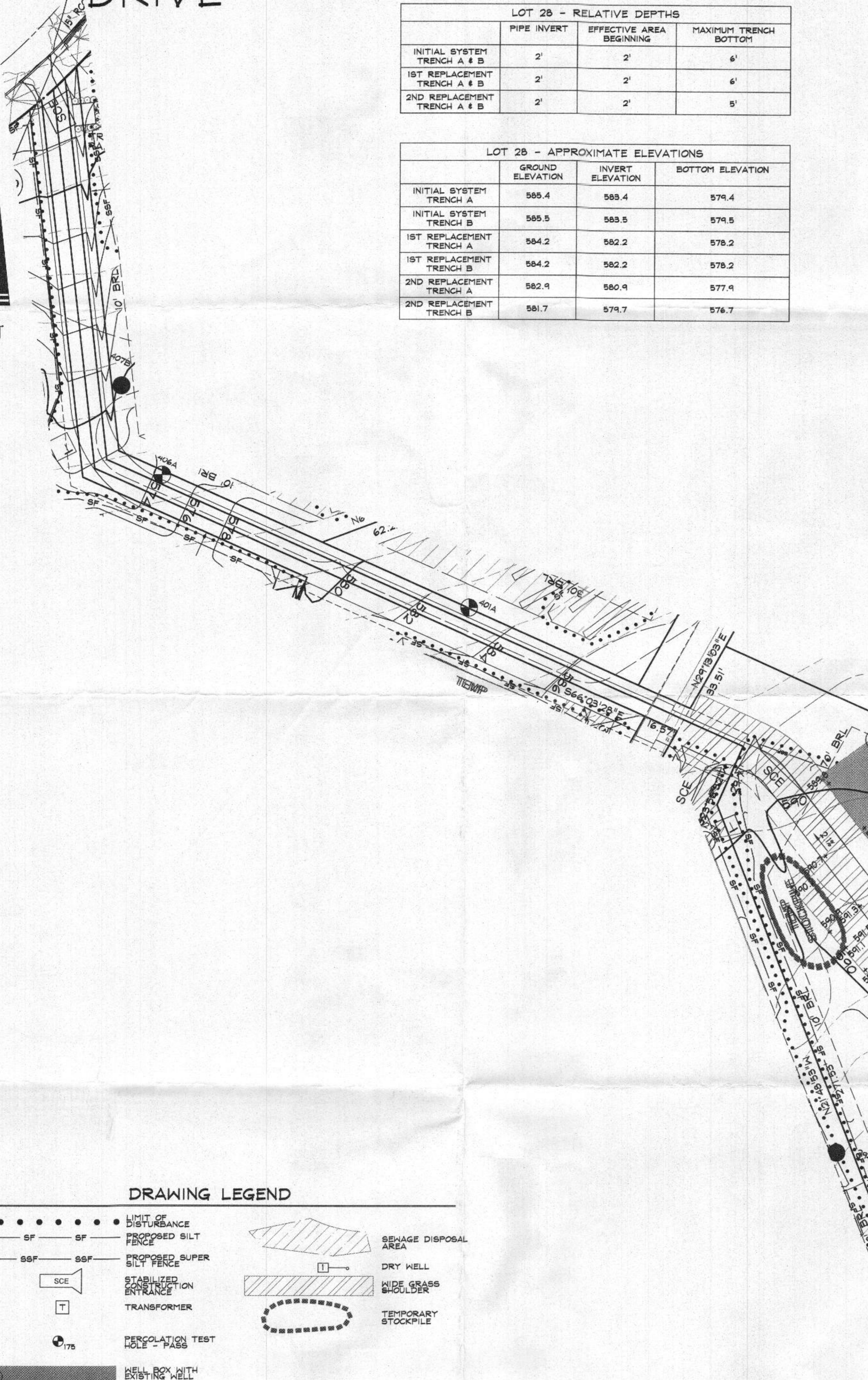
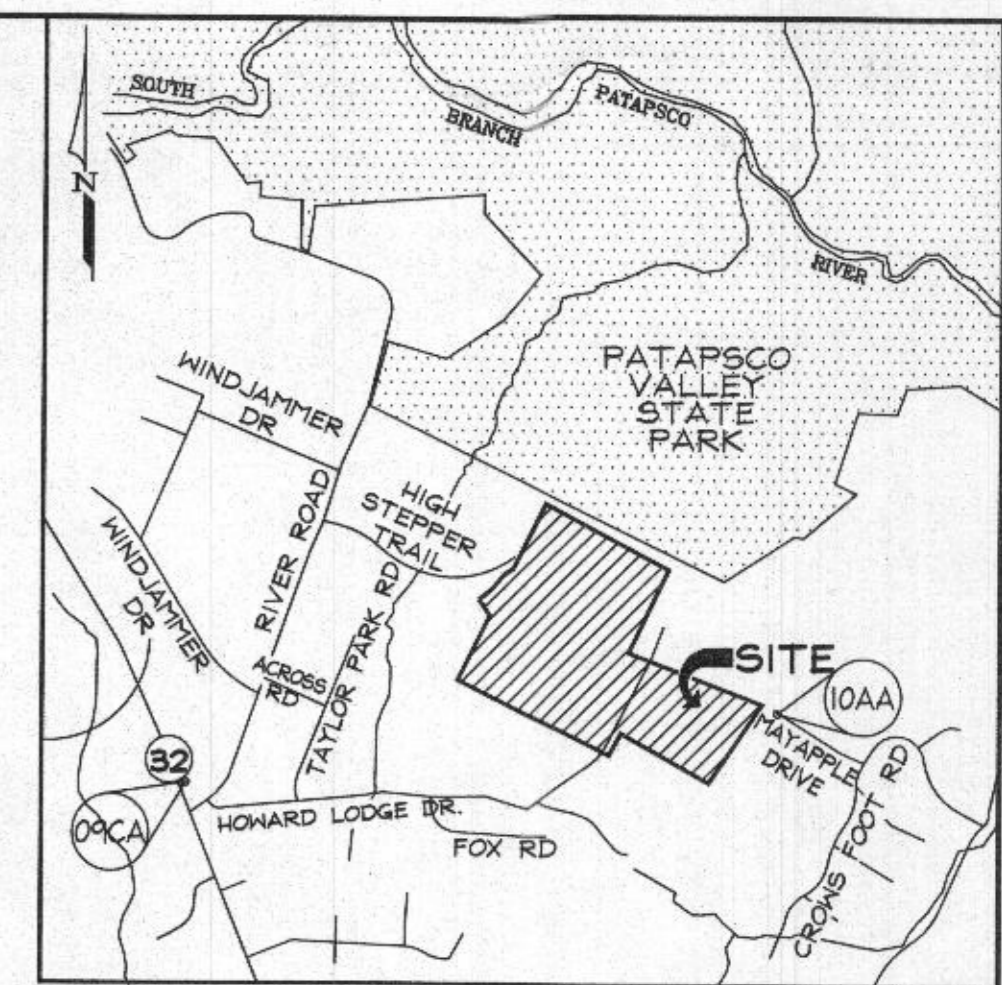
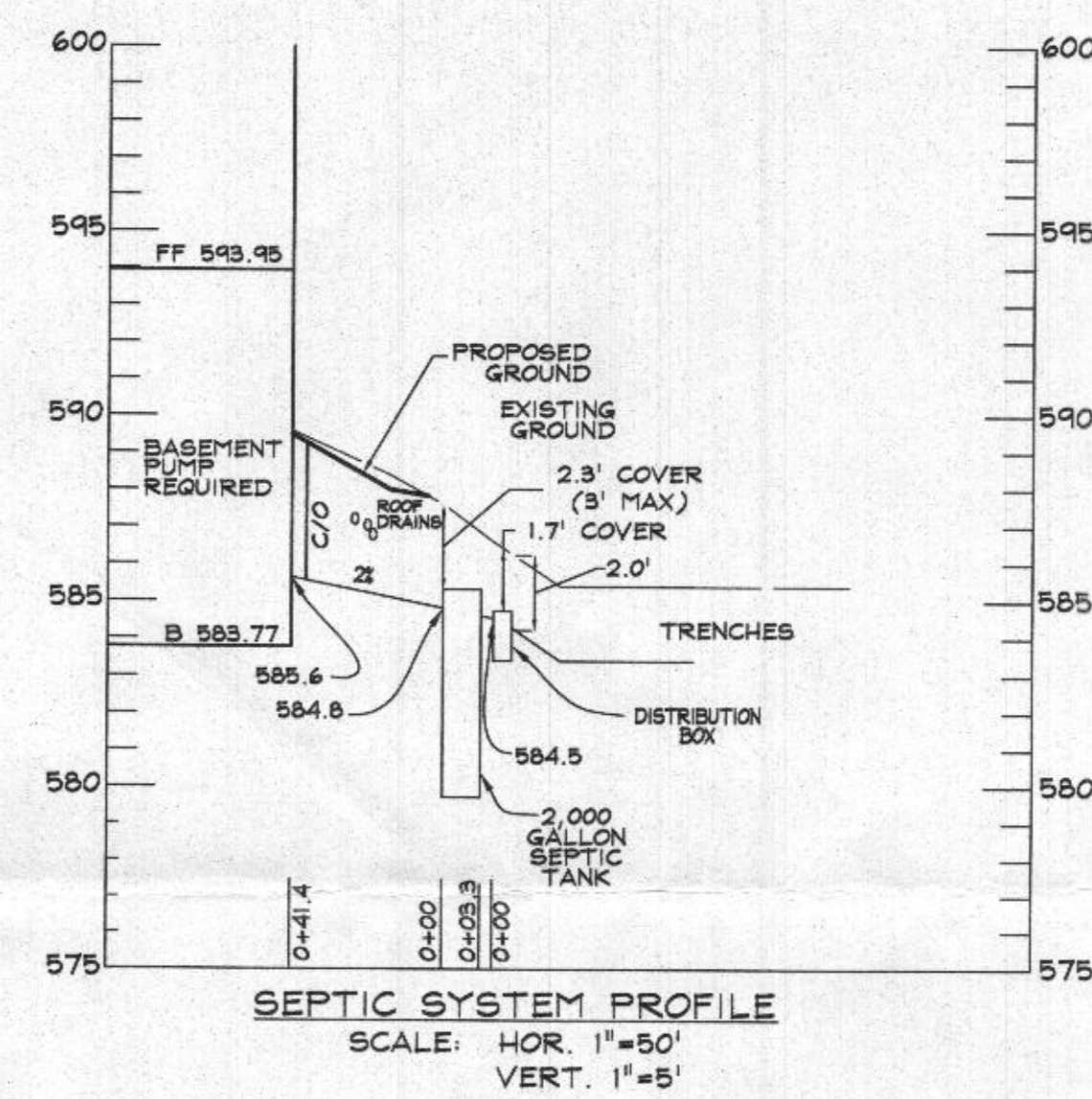
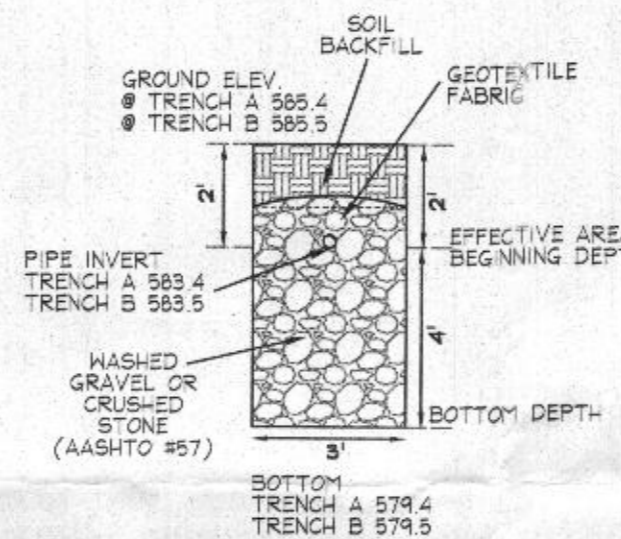
Planners  
Surveyors  
Engineers  
Landscape Architects

192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

# MAYAPPLE DRIVE

LOT 28 - RELATIVE DEPTHS			
	PIPE INVERT	EFFECTIVE AREA BEGINNING	MAXIMUM TRENCH BOTTOM
INITIAL SYSTEM TRENCH A & B	2'	2'	6'
1ST REPLACEMENT TRENCH A & B	2'	2'	6'
2ND REPLACEMENT TRENCH A & B	2'	2'	5'

LOT 28 - APPROXIMATE ELEVATIONS			
	GROUND ELEVATION	INVERT ELEVATION	BOTTOM ELEVATION
INITIAL SYSTEM TRENCH A	585.4	583.4	579.4
INITIAL SYSTEM TRENCH B	585.5	583.5	579.5
1ST REPLACEMENT TRENCH A	584.2	582.2	578.2
1ST REPLACEMENT TRENCH B	584.2	582.2	578.2
2ND REPLACEMENT TRENCH A	582.9	580.9	577.9
2ND REPLACEMENT TRENCH B	581.7	579.7	576.7



**NOTES:**

- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE WELL (TAG #HO-17-0274) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

**TRENCH LENGTH AND SPACING CALCULATIONS**

TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)

INITIAL & 1ST REPLACEMENT SYSTEMS  
 900 GPD / 1.2 GPD/SF (APP. RATE) = 750 SF  
 USE 3' WIDE TRENCH W/ 48" OF GRAVEL BELOW PIPE EFFECTIVE AREA 2'-6"  
 750 SF / 3' WIDTH = 250 LF x 0.417 = 104 LF MIN. TRENCH  
 11' MIN SPACING BETWEEN TRENCH EDGES

2ND REPLACEMENT SYSTEMS  
 900 GPD / 1.2 GPD/SF (APP. RATE) = 750 SF  
 USE 3' WIDE TRENCH W/ 48" OF GRAVEL BELOW PIPE EFFECTIVE AREA 2'-5"  
 750 SF / 3' WIDTH = 250 LF x 0.50 = 125 LF MIN. TRENCH  
 10' MIN SPACING BETWEEN TRENCH EDGES

2 - 52' TRENCHES FOR INITIAL SYSTEM  
 2 - 52' TRENCHES FOR FIRST REPLACEMENT SYSTEM  
 2 - 62.5' TRENCHES FOR SECOND REPLACEMENT SYSTEM

**DATA SOURCES:**

EX. BOUNDARY SHOWN PER BOUNDARY SURVEY BY SHANABERGER AND LANE DATED JUNE 2004  
 TOPOGRAPHY SHOWN PER AERIAL PHOTOGRAMMETRY AND FIELD RUN TOPOGRAPHY DATED 5/2004  
 ADJACENT WELL AND SEPTIC INFORMATION APPROXIMATED FROM ADJACENT PLATS HEALTH DEPARTMENT RECORDS AND FIELD OBSERVATION ON JUNE 29, 2012. EX. ENVIRONMENTAL INFORMATION SHOWN PER FIELD INVESTIGATION BY ECO-SCIENCE SOLUTIONS CONDUCTED ON OR ABOUT JUNE, 2014.

**DDC**  
 Development Design Consultants

Planners  
 Surveyors  
 Engineers  
 Landscape Architects

192 East Main Street  
 Westminster, MD 21157  
 410.386.0560  
 410.386.0564 (Fax)  
 DDC@DDCinc.us  
 www.DDCinc.us

Approved Septic System Plan  
 Howard County Health Department  
 2000-gallon septic tank to gravity distribution for 6-bedroom SFD  
 Walker 12/10/20  
 Signature Date

OWNER:  
 ESC WALKER MEADOWS, L.C.  
 5074 DORSEY HALL DR., SUITE 205  
 COLUMBIA, MD 21042  
 410-720-3021

DEVELOPER:  
 NV HOMES  
 9720 PATUXENT WOODS DRIVE  
 COLUMBIA, MD 21046  
 410-379-3381

SITE ADDRESS:  
 SE RIVER ROAD  
 SYKESVILLE, MD 21784

**WALKER MEADOWS**  
 A RESUBDIVISION OF LOT 2 OF THE  
 DIBBL PROPERTY (PLAT #64937)  
 LOTS 1-34 & BUILDABLE PRESERVATION PARCEL A & NON-BUILDABLE  
 PRESERVATION PARCEL B-K, NON-BUILDABLE BULK PARCELS L-H  
 12225 MAYAPPLE DRIVE  
**LOT 28 ONSITE SEWAGE  
 DISPOSAL SYSTEM DESIGN PLAN**  
 5TH COUNCIL DISTRICT  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MD

**DRAWING LEGEND**

•••••	LIMIT OF DISTURBANCE		SEWAGE DISPOSAL AREA
- - - - -	PROPOSED SILT FENCE		DRY WELL
- - - - -	PROPOSED SUPER SILT FENCE		WIDE GRASS SHOULDER
SCE	STABILIZED ENTRANCE		TEMPORARY STOCKPILE
T	TRANSFORMER		
⊙	PERCOLATION TEST HOLE - PASS		
⊙	WELL BOX WITH EXISTING WELL		

STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY A WIDE GRASS SHOULDER AND DRY WELLS

BASEMENT SEWER REQUIRED TO SEWER THE BASEMENT

NO GRADING IN SEWAGE DISPOSAL AREA. LOD SHOWN IS FOR THE INSTALLATION OF THE INITIAL SEPTIC SYSTEM ONLY.

PROFESSIONAL CERTIFICATION  
 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. 21998 EXPIRATION DATE: 6/6/20

11/09/20  
 DATE

WILLIAM R. DEMARIO  
 PROFESSIONAL ENGINEER NO. 21998

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN. REV.	DATE
CO. FILE #	F-17-045	DES. BY:	LJC
TAX ACC. #	03-601568	DRN. BY:	LJC
TAX MAP:	9	CHK. BY:	WRD
BLOCK / GRID:	6	DATE:	11/09/20
PARCEL #:	66	DDC JOB#:	12064.3
ZONE / USE:	RR-DEO	SHEET NUMBER:	
DWG. SCALE:	1" = 30'		1 of 1