



**Howard County
Health Department**

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

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 2/3/21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P P572940

APPROVAL DATE: 05/01/2021 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 12205 MAYAPPLE DRIVE, SYKESVILLE, MD 21784

SUBDIVISION: WALKER MEADOWS LOT: 23 TAX ID: 03-601581

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): 1500 TANK MANUFACTURER: Babylon Vault

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

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

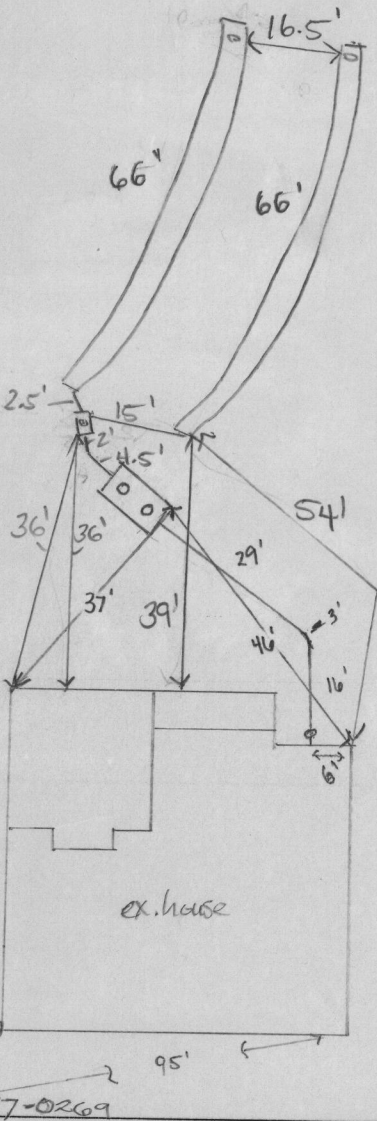
TRENCHES:	LINEAR FEET REQUIRED: <u>131</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL THE SHC WITH AT LEAST ONE CLEANOUT.	

ISSUED BY: R BRICKER ISSUE DATE: 2/8/21 EXPIRATION DATE: 2/3/22

- 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.**

NOT TO SCALE 1" ≈ 30'



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL SPEED

DISTRIBUTION BOX BAFFLE YES

DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC top

TANK LID DEPTH 2.5"

BAFFLES Front (6")

BAFFLE FILTER -

MANHOLE LOC Front & Back

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 12/28/20

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 _____

ROAD NAME

PRE-CONSTRUCTION:

2/17/21 Two (65.5' trenches staked on contour according to plan. Tank location staked as well. (ST)

INSTALLATION: 2/25/21 - sewer line installed, no SHC yet, tank set, check back end baffle (4") @ f/v. (ST)

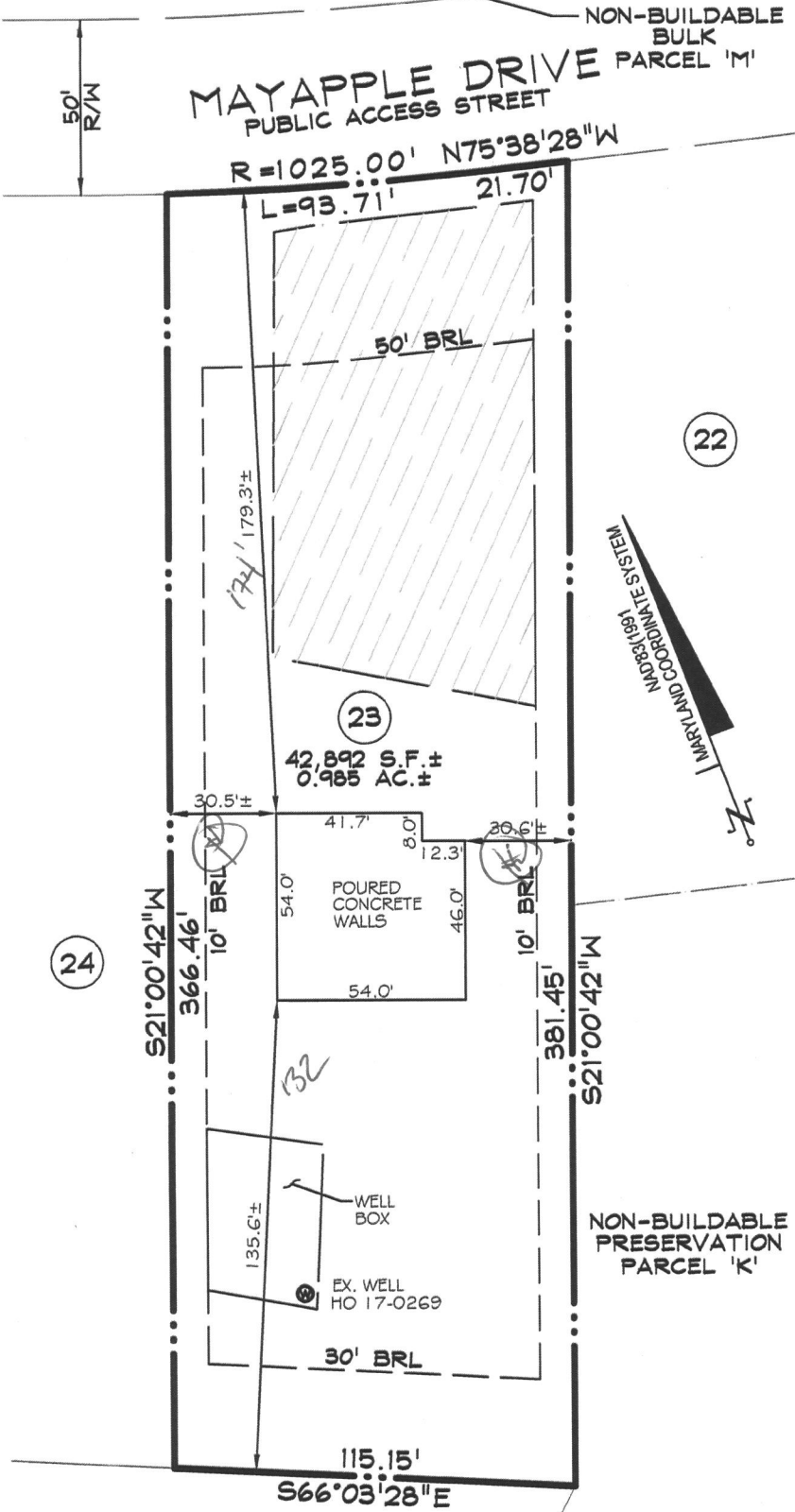
03/01/2021 D box SET; LEVELED w/ SPEED LEVELS TRENCHES COMPLETE.

OK TO BACKFILL (ST) 3/9/21 SHC installed. (ST)

FINAL INSPECTOR

DATE OF APPROVAL

03/01/2021



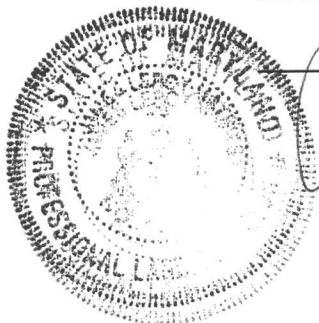
APPROVED 000997
02/08/2021

BRL - BUILDING RESTRICTION LINE

PRIVATE SEWAGE DISPOSAL AREA

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.

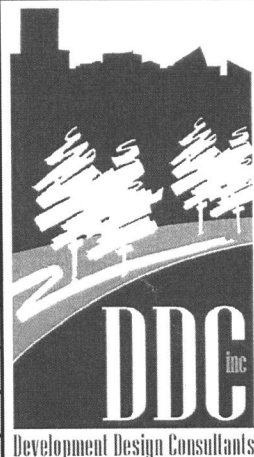


1/6/2020

TOP OF WALL = 592.8

WALL CHECK
12205 MAYAPPLE DRIVE
LOT 23
WALKER MEADOWS
PLAT NO. 24978
3rd ELECTION DISTRICT HOWARD COUNTY, MD

DDC JOB#:	12064.3
DATE:	01/06/2021
SCALE:	1"=50'
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

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- 572946

RESIDENTIAL PERMIT

COMMERCIAL PERMIT

(NUMBER OF BEDROOMS: _____)

(DESIGN FLOW: _____ GPD)

PERMITEE: Smith General Backhoe

LOCATION: 12205 Mayapple Drive Walker Heights 21153

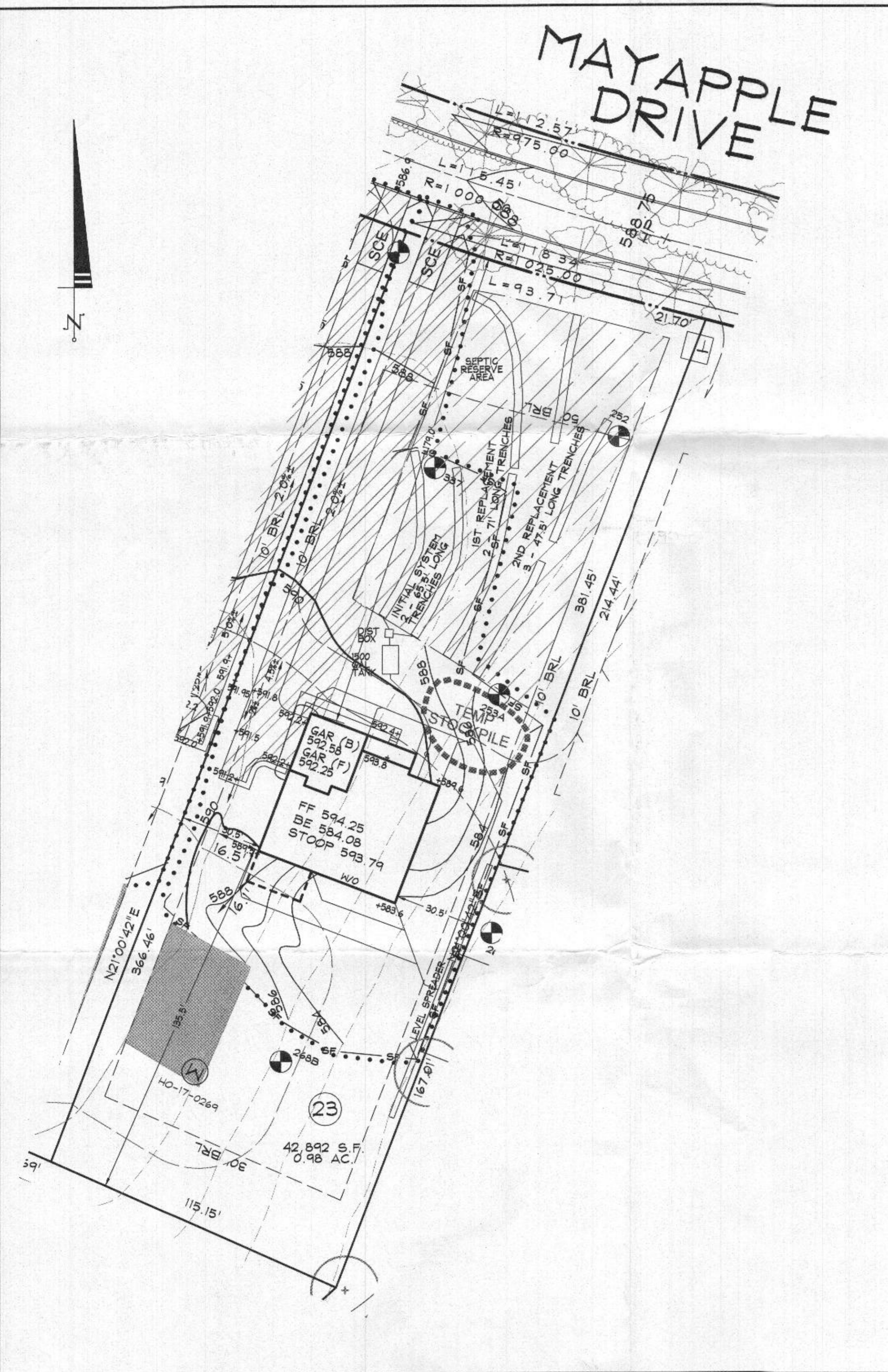
****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING
Inspector _____ Date _____

WORK IS SATISFACTORY, OK TO CONTINUE
Inspector _____ Date _____

COMMENTS: _____

FINAL INSPECTION MADE, OK TO COVER ALL WORK
Inspector _____ Date _____



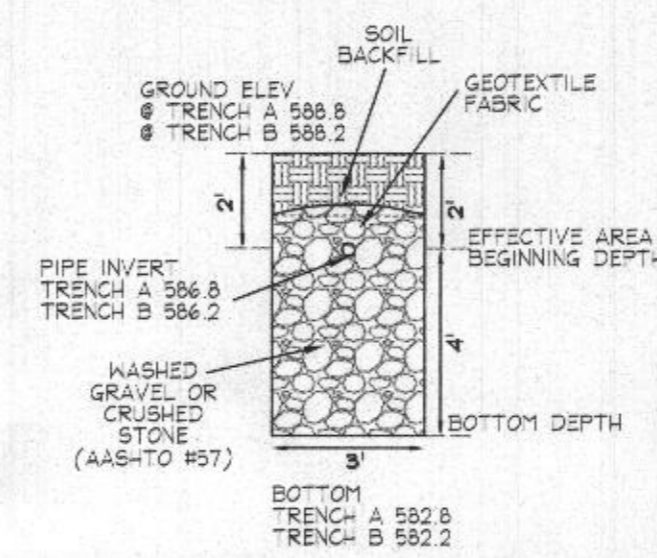
LOT 23 PLAN VIEW
SCALE: 1" = 30'

STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY A WIDE GRASS SHOULDER AND LEVEL SPREADER.

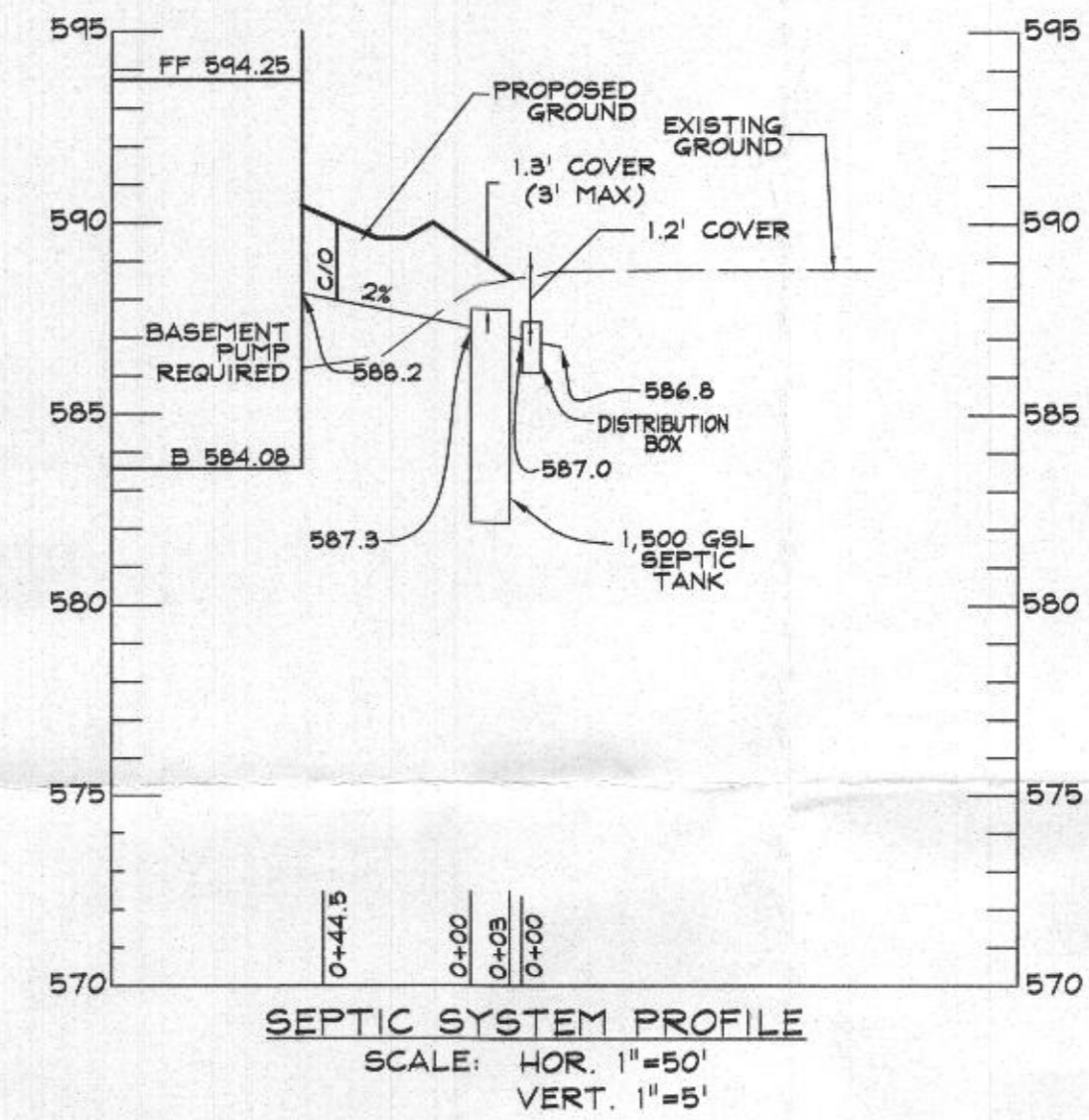
GRAVITY SEWER SERVICE LIMITED TO FIRST FLOOR

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

MAYAPPLE DRIVE



TRENCH
N.T.S.



SEPTIC SYSTEM PROFILE
SCALE: HOR. 1"=50'
VERT. 1"=5'

NOTES:

1. 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.
2. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL (TAG #HO-17-0269) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. 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 (5 BDRM x 150 GPD/BDRM = 750 GPD)

INITIAL SYSTEM
750 GPD / 0.8 GPD/SF (APP. RATE) = 937.5 SF
USE 3' WIDE TRENCH W/ 48" OF GRAVEL BELOW PIPE EFFECTIVE AREA 2'-6"
937.5 SF / 3' WIDTH = 312.5 LF x 0.42 = 131 LF MIN. TRENCH

1ST & 2ND REPLACEMENT SYSTEMS
750 GPD / 0.8 GPD/SF (APP. RATE) = 937.5 SF
USE 3' WIDE TRENCH W/ 42" OF GRAVEL BELOW PIPE EFFECTIVE AREA 2'-5"
937.5 SF / 3' WIDTH = 312.5 LF x 0.45 = 142 LF MIN. TRENCH

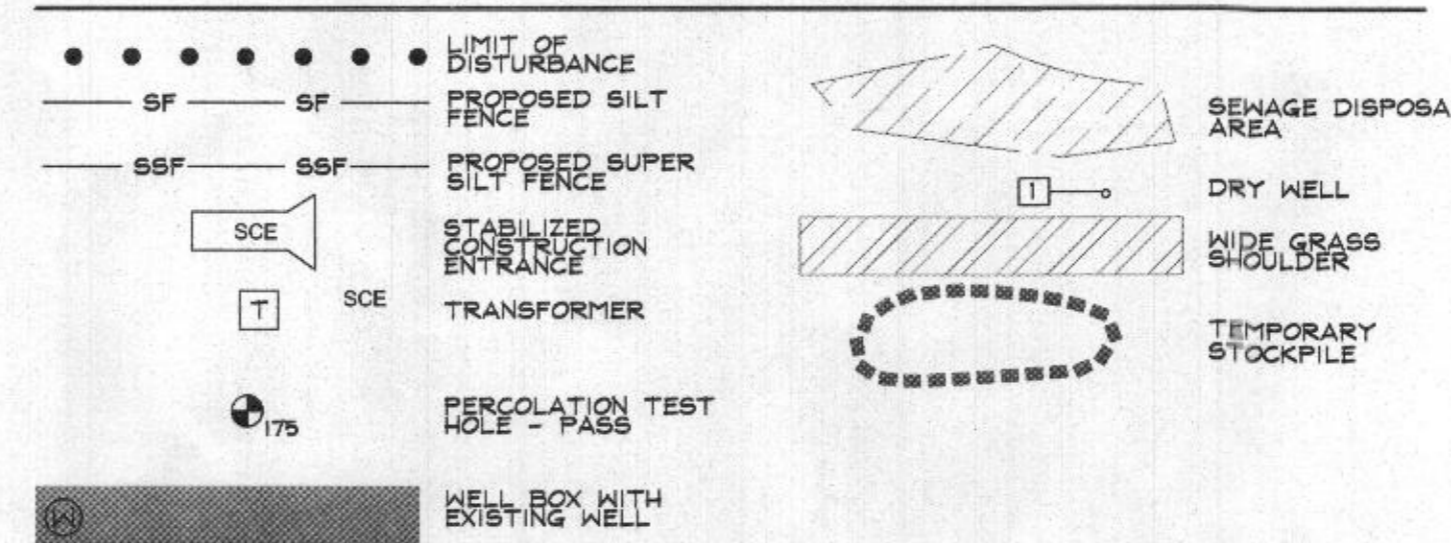
10' MIN SPACING BETWEEN TRENCH EDGES

- 2 - 65.5' LONG TRENCH FOR INITIAL SYSTEM
- 2 - 71' LONG TRENCH FOR FIRST REPLACEMENT SYSTEM
- 3 - 47.5' LONG TRENCH FOR SECOND REPLACEMENT SYSTEM

DATA SOURCES:

EX. BOUNDARY SHOWN PER BOUNDARY SURVEY BY SHANASBERGER AND LANE DATED JUNE, 2014
TOPOGRAPHY SHOWN PER AERIAL PHOTOGRAMMETRY AND FIELD RUN TOPOGRAPHY DATED 4/2014.
ADJACENT WELL AND SEPTIC INFORMATION APPROXIMATED FROM ADJACENT PLATS, HEALTH DEPARTMENT RECORDS AND FIELD OBSERVATION ON JUNE 25, 2012. EX. ENVIRONMENTAL INFORMATION SHOWN PER FIELD INVESTIGATION BY ECO-SCIENCE SOLUTIONS CONDUCTED ON OR ABOUT JUNE, 2014.

DRAWING LEGEND



Approved Septic System Plan
Howard County Health Department
1500-gallon Septic Tank
to gravity drain field
for 5-bedroom SFD
Signature: *R. B. ...* 4/19/2020 Date

LOT 23 - RELATIVE DEPTHS			
	PIPE INVERT	EFFECTIVE AREA BEGINNING	MAXIMUM TRENCH BOTTOM
INITIAL SYSTEM	2'	2'	6'
1ST REPLACEMENT	2'	2.5'	6'
2ND REPLACEMENT	2'	2.5'	6'

LOT 23 - APPROXIMATE ELEVATIONS			
	GROUND ELEVATION	INVERT ELEVATION	BOTTOM ELEVATION
INITIAL SYSTEM TRENCH A	588.8	586.8	582.8
INITIAL SYSTEM TRENCH B	588.2	586.2	582.2
1ST REPLACEMENT TRENCH A	587.4	585.4	581.4
1ST REPLACEMENT TRENCH B	587.4	585.4	581.4
2ND REPLACEMENT TRENCH A	587.1	585.1	581.1
2ND REPLACEMENT TRENCH B	586.3	584.3	580.3
2ND REPLACEMENT TRENCH C	586.3	584.3	580.3

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 21998 EXPIRATION DATE: 6/6/22

11/13/20
DATE
WILLIAM R. DEMARIO
PROFESSIONAL ENGINEER NO. 21998

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

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

DEVELOPER:
NV HOMES
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21046
410-379-3391

SITE ADDRESS:
SIE RIVER ROAD
SYKESVILLE, MD 21784

WALKER MEADOWS
A RESUBDIVISION OF LOT 2 OF THE
DIEHL PROPERTY (PLAT #4687)
LOTS 1-34 A BULIDABLE PRESERVATION PARCEL A & NON-BULIDABLE
PRESERVATION PARCEL B-K, NON-BULIDABLE BULK PARCELS L-M
12205 MAYAPPLE DRIVE
LOT 23 ONSITE SEWAGE
DISPOSAL SYSTEM DESIGN PLAN

5TH COUNCIL DISTRICT 3RD ELECTION DISTRICT HOWARD COUNTY, MD			
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:	11/13/20
PARCEL #:	66	DDC JOB#:	12064.3
ZONE / USE:	RR-DEO	SHEET NUMBER:	
DWG. SCALE:	1" = 30'		1 of 1