

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 8-26-21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 540130  
 APPROVAL DATE: 10/13/21 (SD) **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
 PROPERTY ADDRESS: 15651 Bushey Park Rd. Woodbine 21797  
 SUBDIVISION: Bushy Park Estates LOT: 1 TAX ID: 1404308905  
 CONTRACTOR: \_\_\_\_\_ EMAIL: \_\_\_\_\_  
 CONTRACTOR ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 PROPERTY OWNER: Davey & Lindsey Black EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 15651 Bushey Park Rd. Woodbine PHONE: 423-612-2214  
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: \_\_\_\_\_  
 PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>105</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

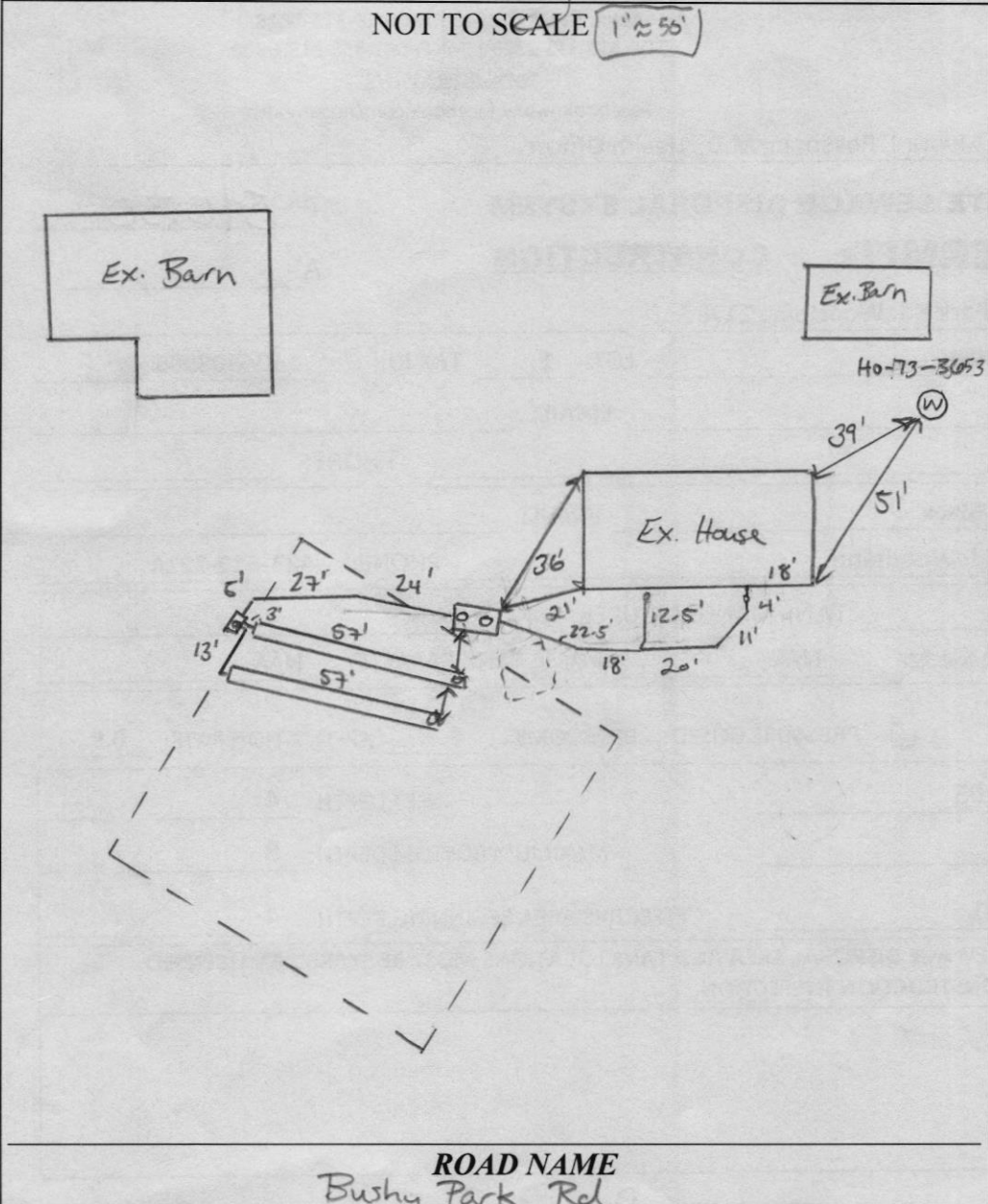
ISSUED BY: Robert Freemon ISSUE DATE: 8-26-21 EXPIRATION DATE: 8-26-22

- 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 \_\_\_\_\_
- 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.**

15651 Bushy Park Rd

NOT TO SCALE (1" ≈ 50')



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		114 F
ABSORPTION AREA		342 SF + 4' SIDE WALL
DISTRIBUTION BOX LEVEL		Speedy
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLOON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	12" - 18"
BAFFLES	YES
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	06/16/2021
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	

ROAD NAME  
Bushy Park Rd

PRE-CONSTRUCTION:

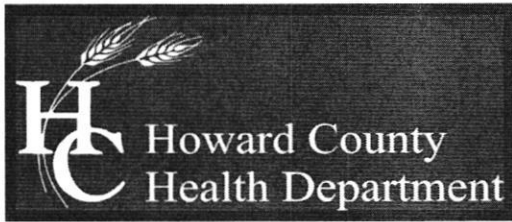
9/30/21 SDA not stated (SD) 10/6/21 Laid out 2x55' trenches on contour according to plan. (SD)

INSTALLATION:

10/6/2021 21 INSTALLED FROM HOUSE TO TANK, TANK SET. (SD)  
 10/12/2021 EFFLUENT LINE INSTALLED TO D BOX. TRENCHES COMPLETE  
 10/13/2021 D-box leveled. (SD)

FINAL INSPECTOR Jensen Thomas

DATE OF APPROVAL 10/13/21



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

MEMORANDUM

Davey 423-612-2214

TO: Davey & Lindsey Black  
1565 Bushy Park Rd.  
Woodbine, MD 21797

- Called Davey 6/3  
Explained Memo

FROM: Robert Freemon *RF*  
Well & Septic Program

- Waiting on Davey to  
see which option to  
move forward with.

RE: B21001310  
1565 Bushy Park Rd.  
Woodbine, MD 21797

- Talked to Don Freedom Septic  
Explained Situation 6/16

DATE: 5/28/2021

After review of building permit B21001310 in conjunction with Health Dept. property records here are my comments. The following is required prior to building permit approval.

**On-site Sewage Disposal System Evaluation (OSDS):** According to Health Dept. records the existing OSDS is sized for 3 bedrooms and contains a septic tank and a drywell. Under Howard County Code all drywells must be constructed according to *Sec. 3.812. Seepage Pits*. Drywells constructed back in the day were large hollow pits. Overtime the corrosive nature of the effluent from the wastewater would weaken the walls of the drywells and they would sometimes collapse. To avoid this potential hazard Howard County now requires drywells to be filled with stone. You will need to hire a septic contractor to evaluate the OSDS. First to confirm it is functioning properly beneath the surface and is not close to failure. Second to pump out the drywell and have it filled with stone. After the septic evaluation but before the filling with stone, the septic contractor must submit a Septic Repair/Upgrade Application to the Health Dept. with the fee of \$396 (payable to Director of Finance). Once a Health inspector has been assigned to the repair they will reach out to the septic contractor and schedule a date for inspection. No work can be covered until the health inspector has evaluated the work. Once approved the Health Dept. can then sign off on the building permit.



*as possible*

Approved: 10-6-80  
*Stephen Kill*  
P 30893

# PERMIT

A 28842

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

**INDEXED**

DISTRICT 4th.

*04-308905*

DATE 9/5/80

James L. Que

IS PERMITTED TO INSTALL  ALTER

ADDRESS Route 2, Maryland

PHONE 831-6228

SUBDIVISION Bushy Park Estates

ROAD 15651 Bushy Park Road

LOT 1

PROPERTY OWNER Jenkins Construction Company

ADDRESS 229 E. Main Street, Westminster, Md.

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

(Minimum Abs. Area in dry well - 390 sq. ft.)

**Dry Well** SEEPAGE PITS  ABSORBENT SIDE-WALL AREA 130 SQ. FT. per bedroom

INLET PIPE 4 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 11 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT \_\_\_\_\_ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 140 FT. FROM front LOT LINE AND 200 FT. FROM left LOT LINE AS SEEN WHEN FACING LOT FROM the road.

If trench is needed inlet at 4 feet - Max. depth 11 feet. Trench should begin after a 5 foot earth buffer and be directed with the contour toward left property line as seen from the road. Call for two inspections - before and after stone is installed.

PLANS APPROVED BY Frank Skinner

DATE 8/8/80

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

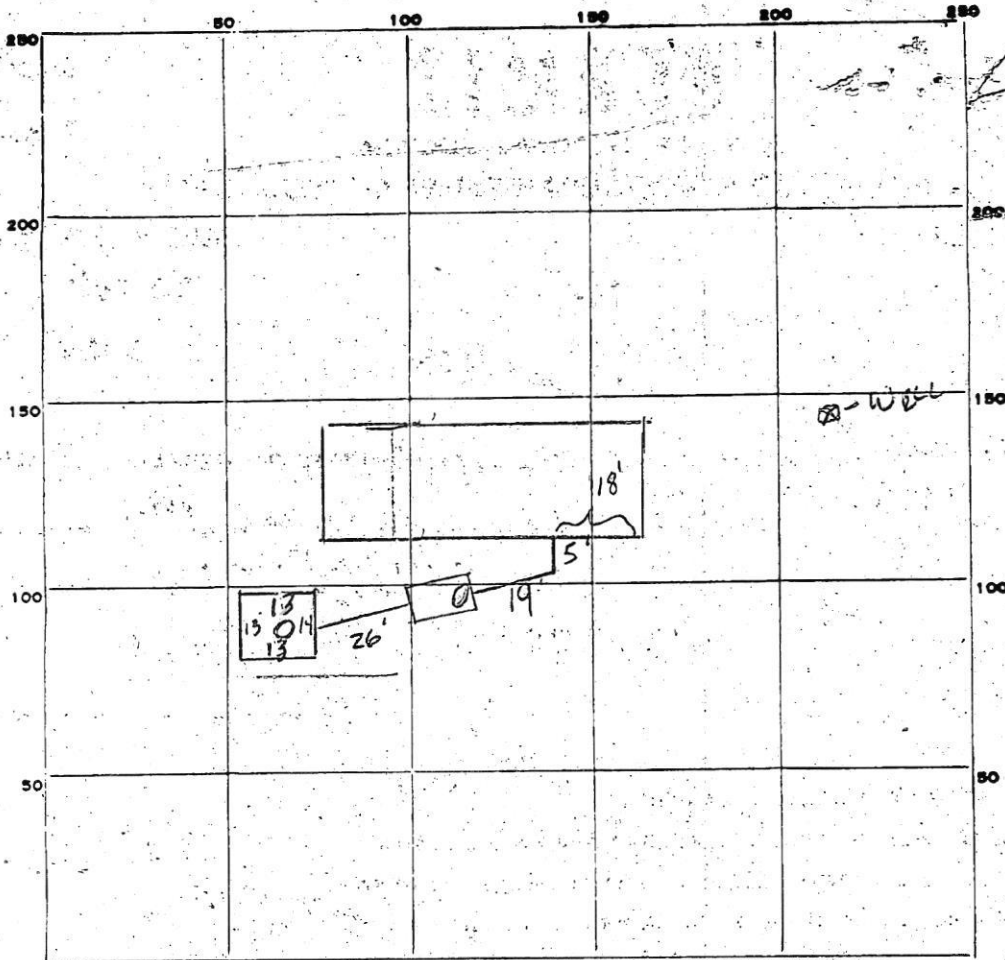
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRAZO ACCEPTED.

BLDG. PERMIT SIGNED AND RETURNED *[Signature]*  
Health # 46956  
*[Signature]*

A 28842

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN. TOTAL LENGTH \_\_\_\_\_ FT.

NUMBER OF TRENCHES \_\_\_\_\_ TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE DIAMETER 53 FT. DEPTH BELOW INLET 7 FT.

ABSORBENT AREA 3711 SQ. FT.

REMARKS

OK To COVER all work, 20 sqft short but

OK'd. Told installer next time additional area would be  
required

DATE SYSTEM APPROVED 10-6-86

INSPECTOR Stephen Kiel

SITE INSPECTION SHEET

OWNER: Davey + Lindsey Block PHONE #: 423-612-2214  
ADDRESS: 15651 Bushy Park Rd CONTRACTOR: n/a  
Woodbine WELL TAG #: HO-73-3655  
SUBDIVISION: Bushy Park Estates LOT: 1 COUNTY #: Howard  
PROPOSAL: DZ1001310 - proposing to convert garage to  
kids play room with full bath and storage.

LOCATION DIAGRAM



COMMENTS: Septic system appears to be functioning. No signs  
of failure. Was able to locate ST lid. Drywell may be  
under driveway. Well appears to be satisfactory. Two piece  
secure cap. Conduit should be replaced. PVC pipe is broken. right  
at coupling attached to well head. Still covers wires however.

DATE: 5/25/2021 INSPECTOR: RST

Well has been GPS located,  
Well and Septic located as per as built P30893  
A28842

04-541102

# PERMIT

**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 515304

A REPAIR

ISSUE DATE 6/26/2001

APPROVAL DATE 7/13/01

7/13/01  
10:00

**INDEXED**

Paul Mueller (South Carroll to be installer) IS PERMITTED TO INSTALL ALTER  X

ADDRESS P.O. Box 115, West Friendship, MD 21794 PHONE 410-442-1455

SUBDIVISION Cole Property LOT NUMBER 3 ADDRESS 15650 Bushy Park Road

PROPERTY OWNER Barbara Shaw PROPERTY OWNER'S ADDRESS Same

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

PUMP CHAMBER CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS \_\_\_\_\_

SQUARE FEET PER BEDROOM \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED \_\_\_\_\_

TRENCHES: Trenches to be \_\_\_\_\_ feet wide. Inlet \_\_\_\_\_ feet below original grade. Bottom maximum depth  
\_\_\_\_\_ feet below original grade. \_\_\_\_\_ feet of stone below distribution box.

LOCATION: \_\_\_\_\_

REPAIR - PURPOSE - To connect existing septic system to garage.

Call for repair when ground is opened so sanitarian can recommend repair. 6/26/01

PLANS APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE  
SUCCESSFUL OPERATION OF ANY SYSTEM

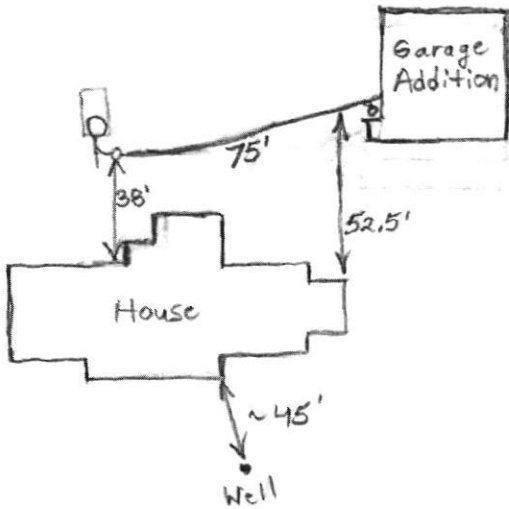
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

510302

NOT TO SCALE

21X30M



Bushy Park Road

PRE-CONSTRUCTION INSPECTION: \_\_\_\_\_

INSPECTION COMMENTS: 7/13/01 Connection for garage bathroom made. (BB)

INSPECTOR B. Baker

DATE SYSTEM APPROVED 7/13/01

**TRENCH DATA**

TRENCH WIDTH \_\_\_\_\_  
 TRENCH INLET DEPTH \_\_\_\_\_  
 TRENCH BOTTOM DEPTH \_\_\_\_\_  
 DEPTH OF STONE \_\_\_\_\_  
 NUMBER OF TRENCHES \_\_\_\_\_  
 TOTAL TRENCH LENGTH \_\_\_\_\_  
 ABSORBENT AREA \_\_\_\_\_  
 DISTRIBUTION BOX LEVEL \_\_\_\_\_  
 BAFFLE IN DISTRIBUTION BOX \_\_\_\_\_

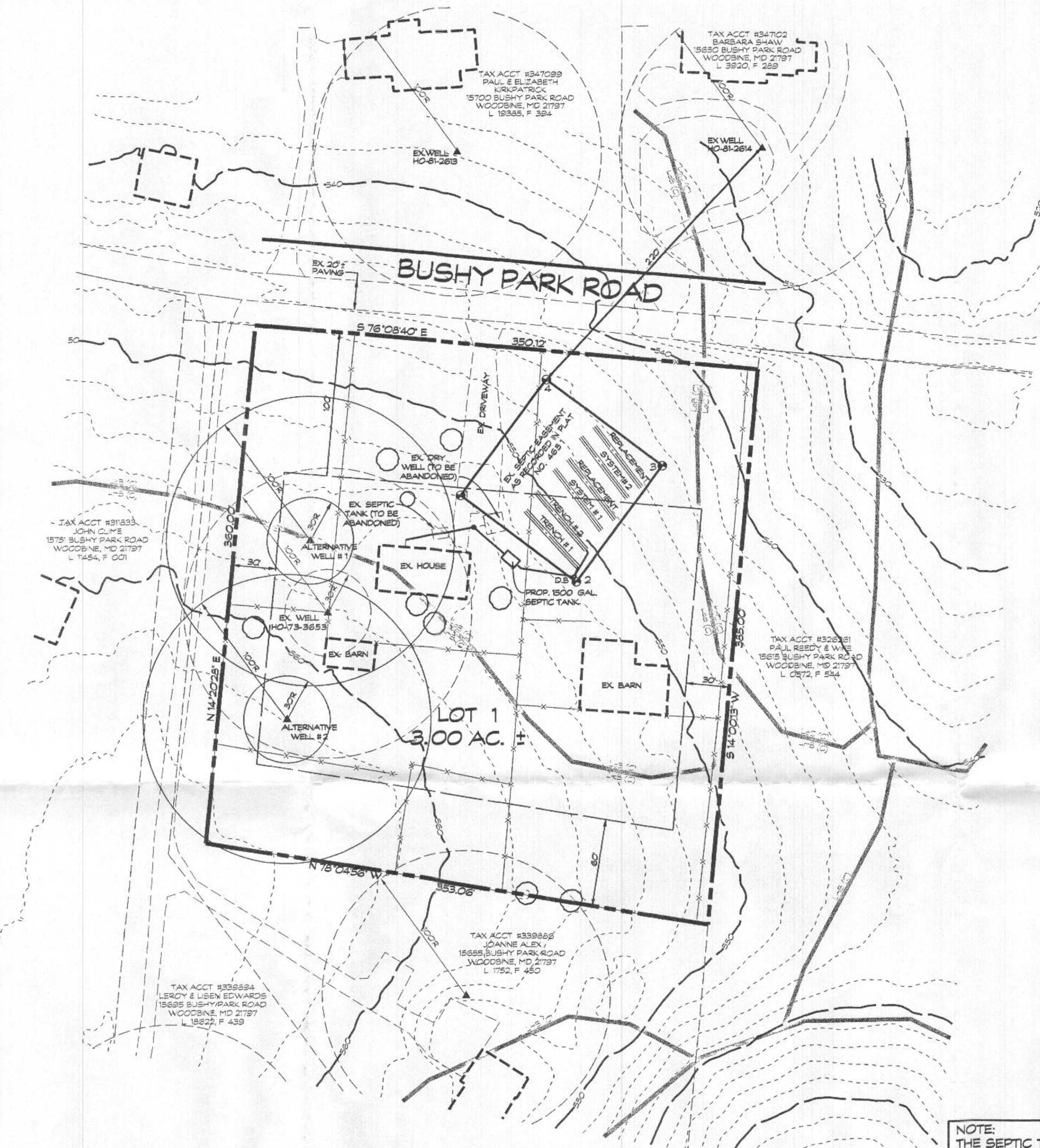
**SEPTIC TANK DATA**

SEPTIC TANK \_\_\_\_\_ GALLONS  
 MANHOLE RISER \_\_\_\_\_  
 6 INCH INSPECTION PORT \_\_\_\_\_

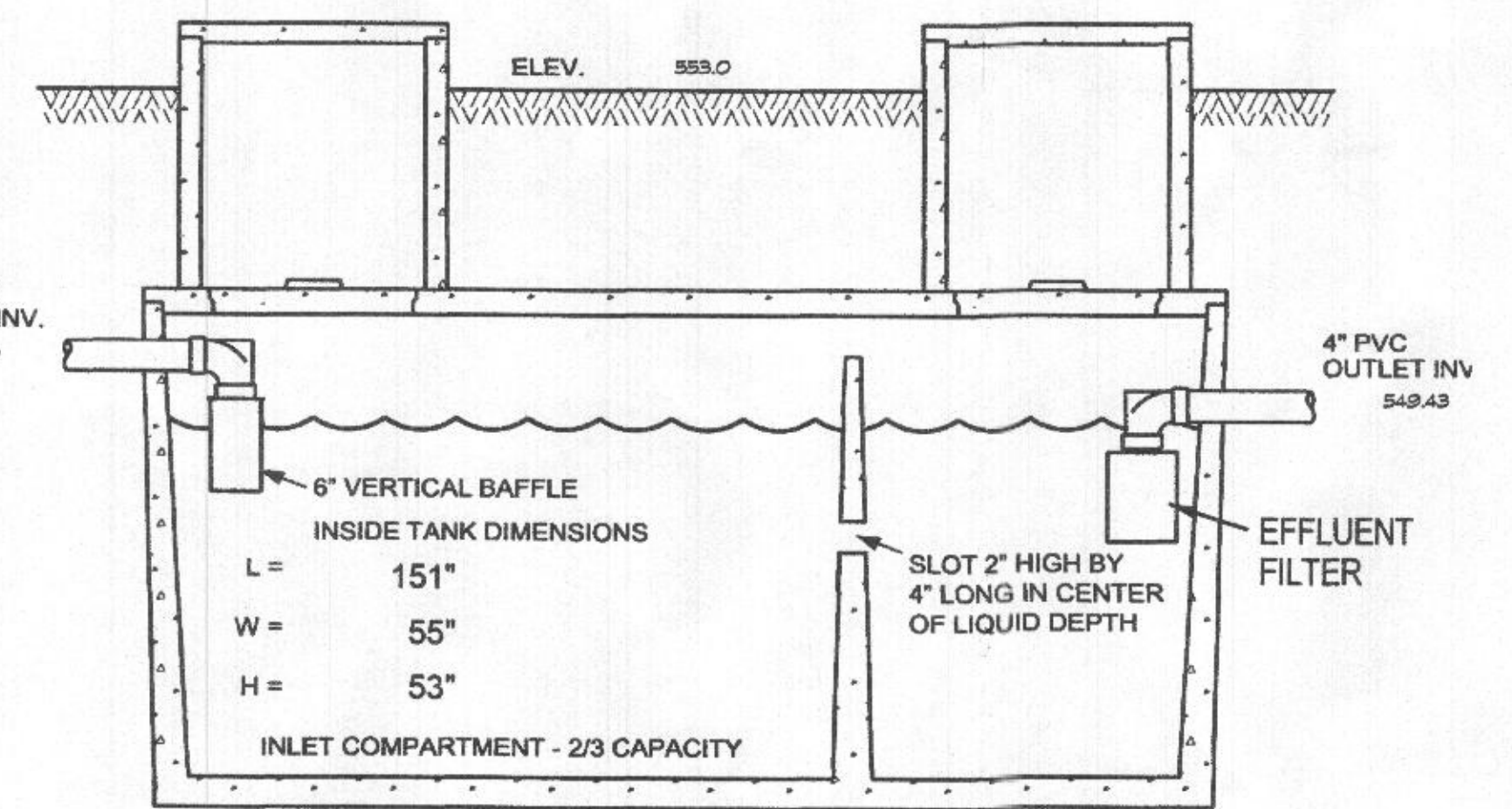
**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS \_\_\_\_\_  
 MANHOLE RISER \_\_\_\_\_  
 ALARM \_\_\_\_\_  
 PUMP PERFORMANCE TEST \_\_\_\_\_

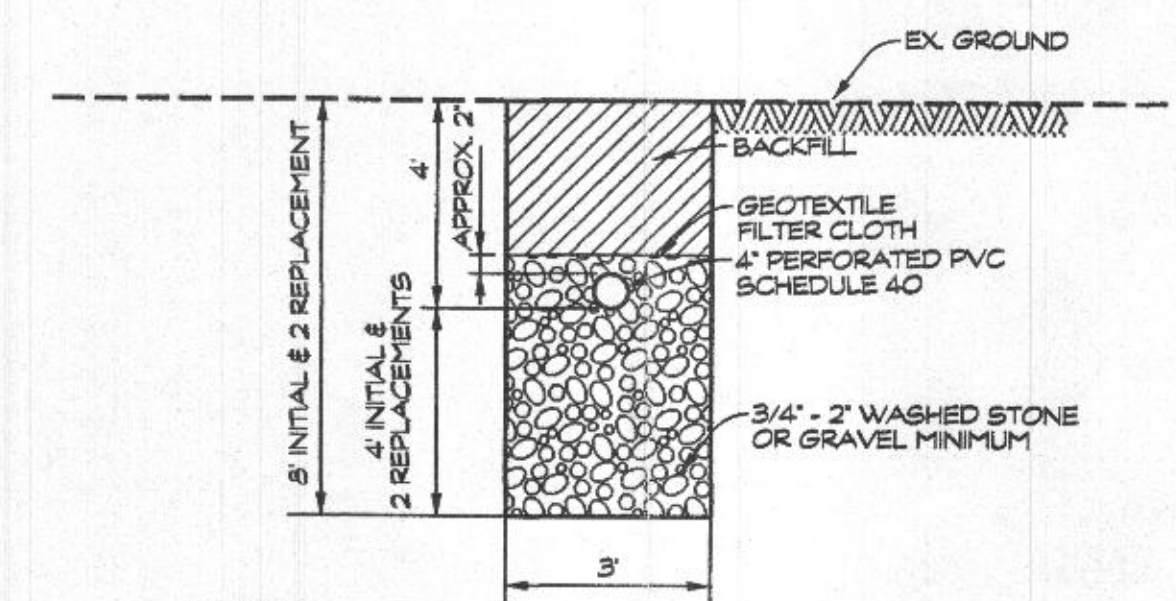
MARYLAND COORDINATE SYSTEM  
(NAD 83/91)



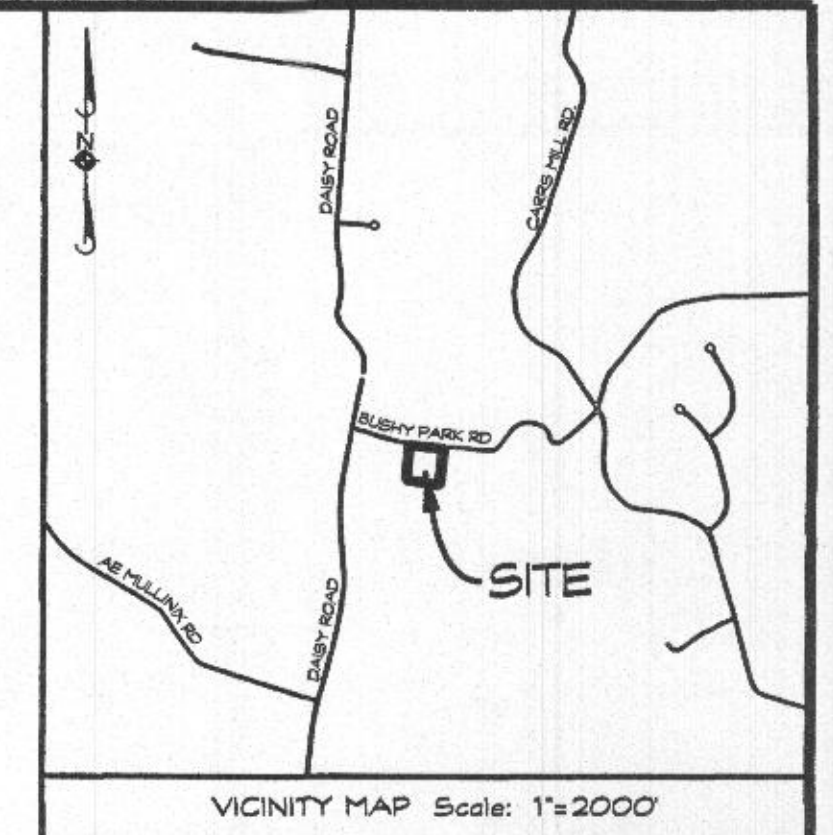
NOTE:  
THE SEPTIC TANK RISERS TO  
TERMINATE AT LEAST 6" ABOVE  
FINAL GRADE.



1500 GALLON SEPTIC TANK  
NOT TO SCALE



NOTES:  
1. TRENCHES SHALL BE CONSTRUCTED 11 FT. (MIN) EDGE TO EDGE  
2. TRENCH BOTTOMS SHALL BE LEVEL ALONG THE LENGTH OF THE  
4" PERFORATED DISTRIBUTION PIPE.  
**SEPTIC TRENCH DETAIL**  
NOT TO SCALE



**PLAN 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 EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE WELL (TAG # HO-17-0263) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- IF A BUILDING PERMIT IS SUBMITTED ANY TIME IN THE FUTURE, A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED TO FINISH THE AREA CURRENTLY IDENTIFIED AS THE BASEMENT. AT THAT TIME A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED AS FINISHING THE BASEMENT COULD POSSIBLY CREATE A FIFTH BEDROOM PER HOWARD COUNTY CODE 3.50 (B).
- TANK MEASUREMENTS AND ELEVATIONS ARE BASED ON SEPTIC TANKS AS MANUFACTURED BY MAYER BROS., ELK RIDGE, MD 410-796-1434
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE PERC TEST LOCATIONS AND SEPTIC EASEMENT AREA WERE TAKEN FROM THE APPROVED PERCOLATION TEST CERTIFICATION, TITLED "PERCOLATION CERTIFICATION PLAN J AND K PARTNERSHIP" PREPARED BY FISHER, COLLINS & CARTER, INC.

**GENERAL NOTES**

- THE STORMWATER MANAGEMENT WAS NOT REQUIRED.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT UNLESS OTHERWISE SHOWN HEREON
- THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT UNLESS SHOWN.

**DATA TABULATIONS**

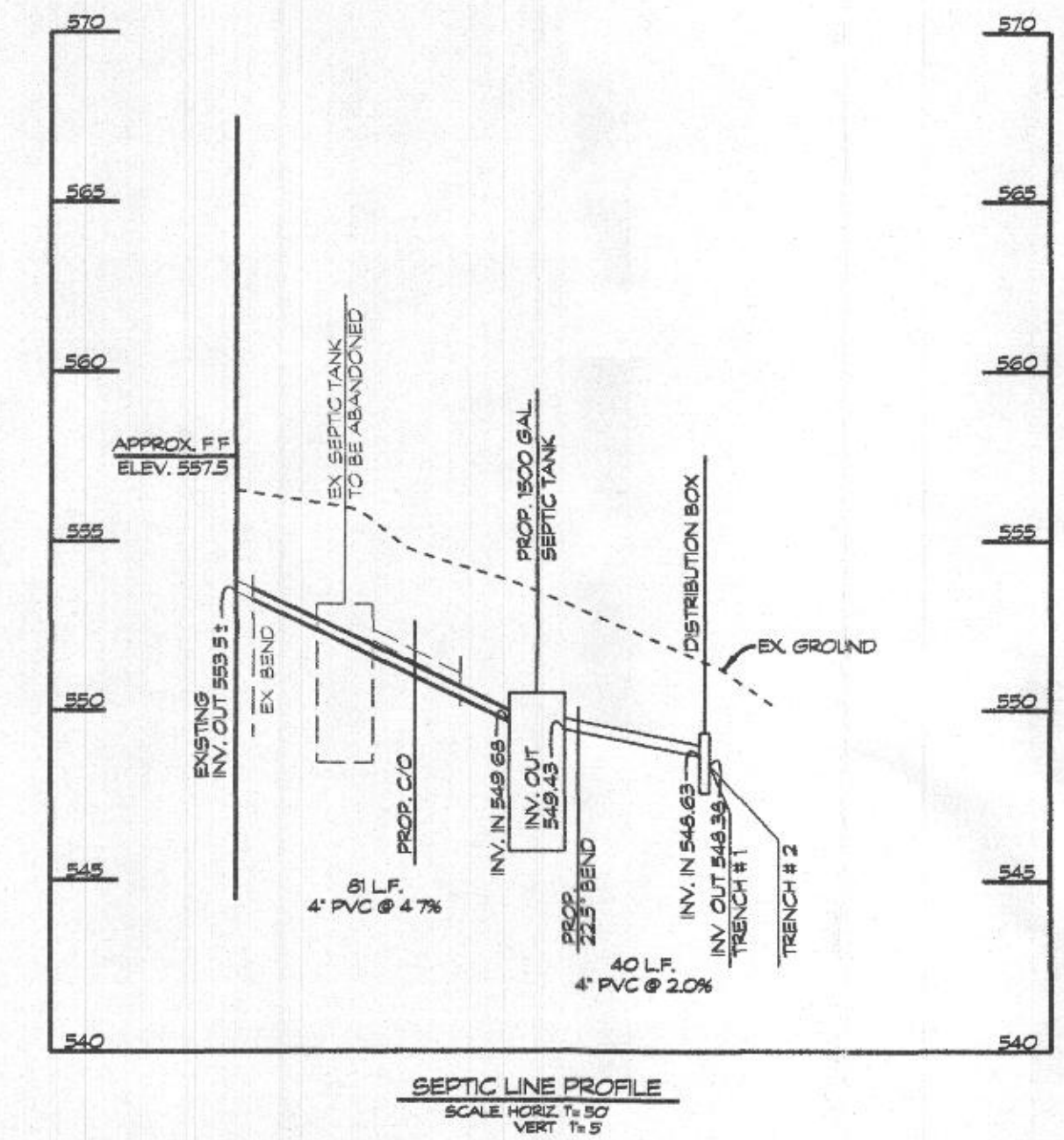
- ZONING DISTRICT: RC-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 3.00 ACRES

**SEPTIC SYSTEM TRENCH DESIGN:**

PROPOSED NUMBER OF BEDROOMS = 4  
DESIGN FLOW: 150 GALS x 4 BEDROOM = 600 GAL/DAY  
  
INITIAL SEPTIC SYSTEM & 2 REPLACEMENT SYSTEMS  
APPLICATION RATE = 0.8  
EFFECTIVE DEPTH = 4'  
600 GAL/DAY / 0.8 GAL / DAY/SQ. FT. =  
750 SQ. FT.  
750 SQ. FT. / 3 FT. = 250 LF. OF TRENCH  
250 LF. x 0.42 = 105 LF.  
USE 2 - 53 LF. OF TRENCH

**TRENCH CHART**

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	551.0	547.0	543.0
2	550.2	546.2	542.2



SEPTIC LINE PROFILE  
SCALE: HORIZ. 1" = 10'  
VERT. 1" = 5'

Approved Septic System Plan  
Howard County Health Department  
*[Signature]* 8/20/2021  
Signature Date

**OWNER/DEVELOPER**

DAVEY & LINDSEY BLACK  
15651 BUSHY PARK ROAD  
WOODBINE, MD 21797

**ONSITE SEWAGE DISPOSAL PLAN**  
**LOT 1**  
**BUSHY PARK ESTATES**  
15651 BUSHY PARK ROAD  
RECORDED IN PLAT NO. 4651  
TAX MAP: 14 \* BLOCK: 01 \* PARCEL: 152  
4th ELECTION DISTRICT \* HOWARD COUNTY, MD

Engineers • Surveyors  
**CLSI**  
www.clsi-civileng.com  
439 East Main Street Westminster, MD 21157-5539  
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By	BM
		Designed By	
		Reviewed By	
		Date:	AUGUST, 2021
		Scale:	1" = 50'
		Job No.:	2021180
		Sheet:	1 OF 1

CAD Drawing File Name:

**LEGEND**

- EX 10 CONTOUR
- EX 2 CONTOUR
- PASSED PERC TEST
- ▲ ALTERNATE WELL
- ▲ EXISTING WELL
- SOIL LINES
- DENOTES - TOTAL PROPOSED SEPTIC RESERVE EASEMENT AREA FOR THE PURPOSE OF THIS PROPERTY, SINGLE FAMILY RESIDENCE
- EXISTING TREELINE

**SOILS LEGEND**

SOIL SYMBOL	SOIL SERIES	SOIL HSG	ERODIBLE (K-FACOR) %	HYDRIC
LaB	Lagore sil loam	C	-	-
LaC	Lagore sil loam	C	-	-
LaB	Lagore-Morthoto sil	C	-	-