



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

RECEIPT DATE: 8-25-22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 52154

APPROVAL DATE: 9/29/22 (R.A.) **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 7250 PRESERVATION COURT, FULTON, MD 20759

SUBDIVISION: PINDELL WOODS LOT: 17 TAX ID: 05-435560

CONTRACTOR: Freedom Septic EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 2809 Liberty Rd, Eldersburg, MD 21784 PHONE: 410-795-2947

PROPERTY OWNER: CAIRN CUSTOM HOMES, LLC EMAIL: \_\_\_\_\_

OWNER ADDRESS: 10548 GORMAN ROAD, LAUREL, MD 20723 PHONE: (301)490-5317

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: BABYLON

PUMP MODEL: N.A. PUMP SIZE N.A. PUMP TANK CAPACITY: N.A.

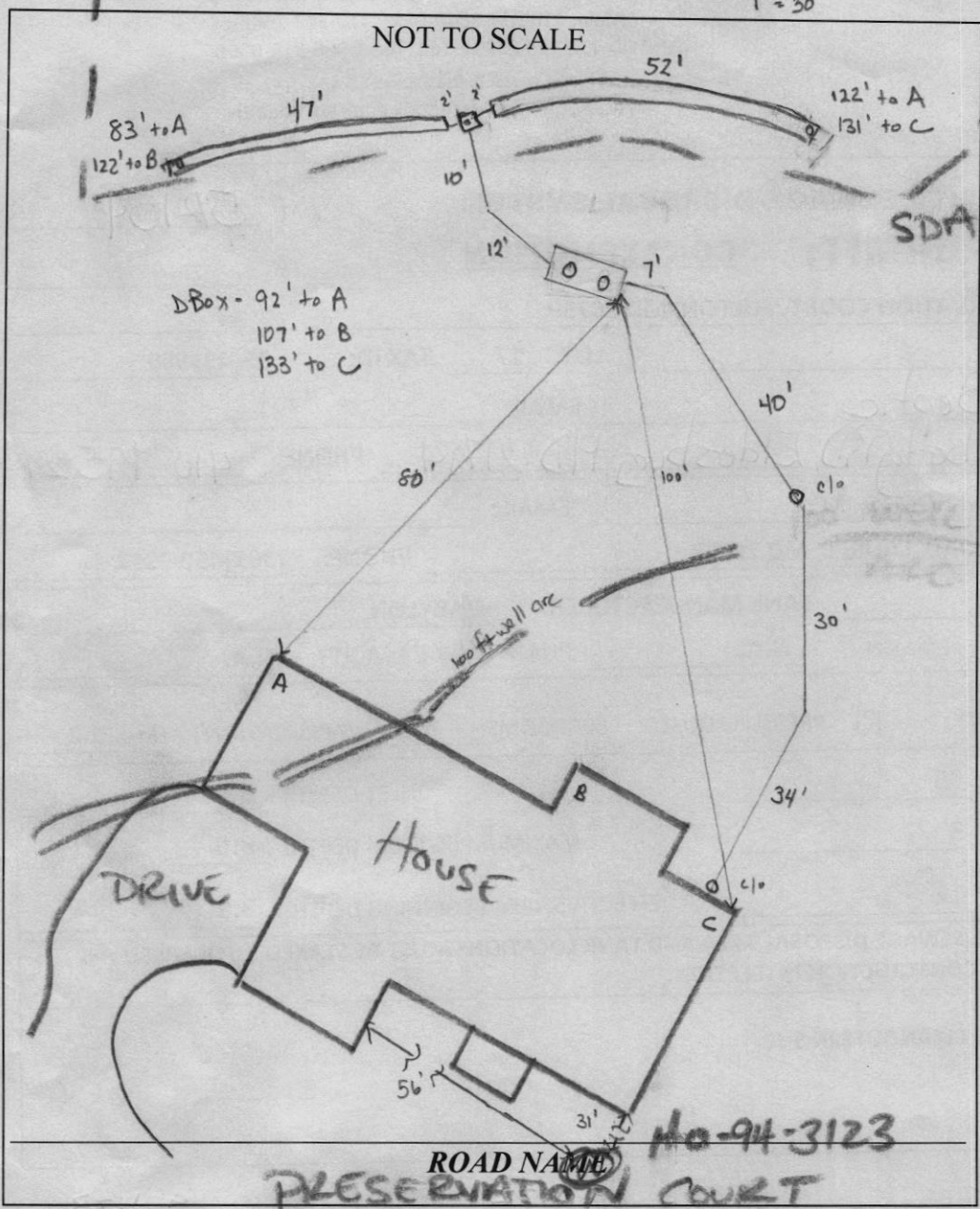
DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>95</u>	INLET DEPTH: <u>3.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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 AT LEAST TWO (2) CLEANOUTS IN SHC.	

ISSUED BY: R BRICKER *H.O.* ISSUE DATE: 9.1.22 EXPIRATION DATE: 9.1.23

- 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'	3.5'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		99'
ABSORPTION AREA		297sqft + Sidewalk
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	18" - 24"
BAFFLES	front 6" / back 4"
BAFFLE FILTER	-
MANHOLE LOC	front / back
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	8/15/22

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: 09/12/2022 CONFIRMED CONTOUR 2x 18' TRS FELL TREES FOR TANK INSTALL. (P)

INSTALLATION: 9/26/22 - contractor onsite, septic tank being lowered into hole upon arrival, no baffles yet, no c/j's installed on sewer line yet, should be one at the house and another 75' down sewer line, the location of the sewer line stub out changed location from OSDS plan to accommodate the future build of a pool, OSDS plan will need to be revised to show the changes made to the system, ok to continue (P) 9/29/22 - site inspection, contractor onsite, trenches complete, stone ok, geotextile fabric in place, observation ports installed at the ends of both trenches. soils consistent w/ perc data, dbox levelers ok, ok to continue & backfill. (P)

FINAL INSPECTOR R. Rappoport DATE OF APPROVAL 9/29/22

7250 Preservation Court

Clerk of the Circuit Court for  
Howard County

9250 Judicial Way,  
Ellicott City, MD 21043  
410-313-2111

LR - Agreement Recording Fee  
1x 20.00 20.00

Name: pavelka  
Ref: 1

LR - Agreement Surcharge  
1x 40.00 40.00

SubTotal: 60.00  
Total: 60.00

CRD-Credit 60.00  
Credit Card Confirmation : 01360z

12/13/2022 09:16 CC13-KS  
#16844430/1246/4

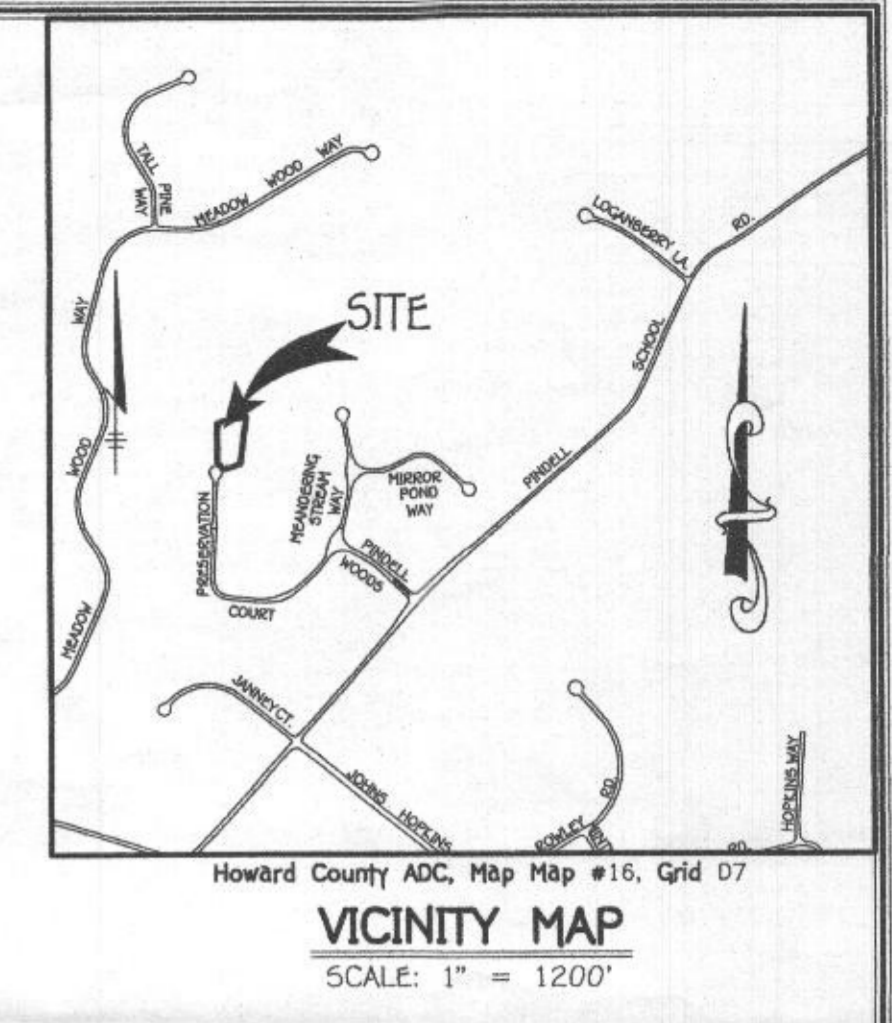
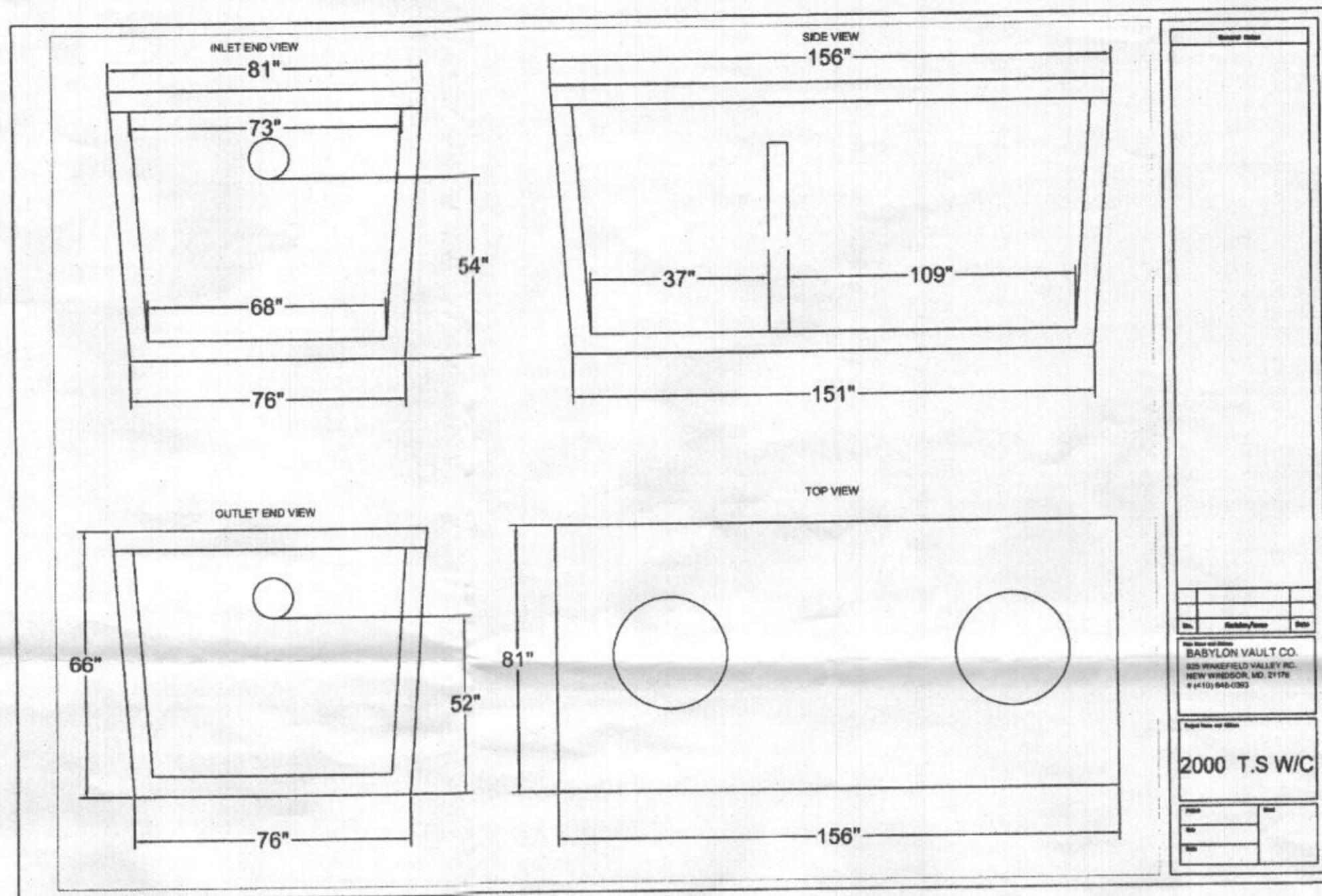
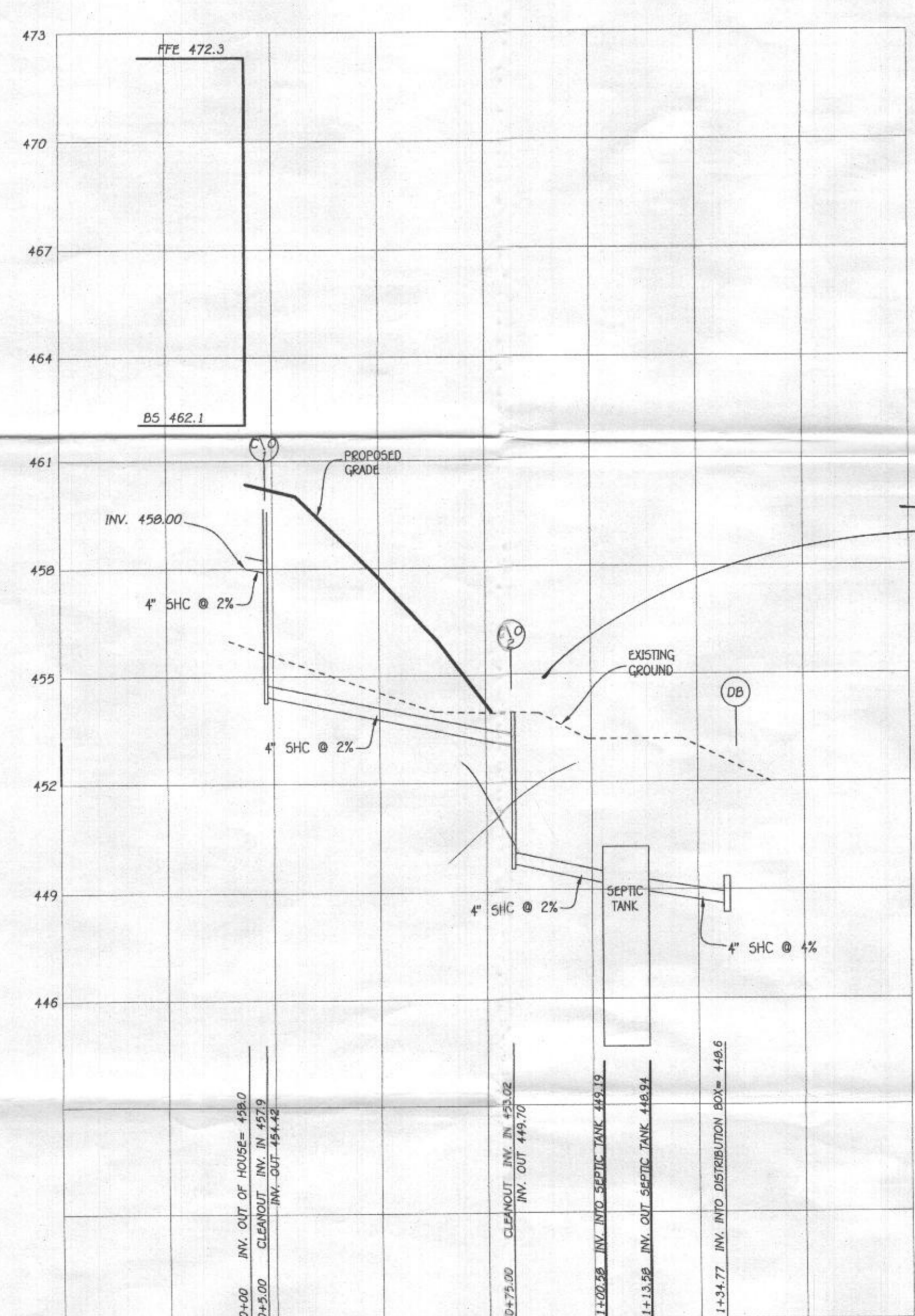
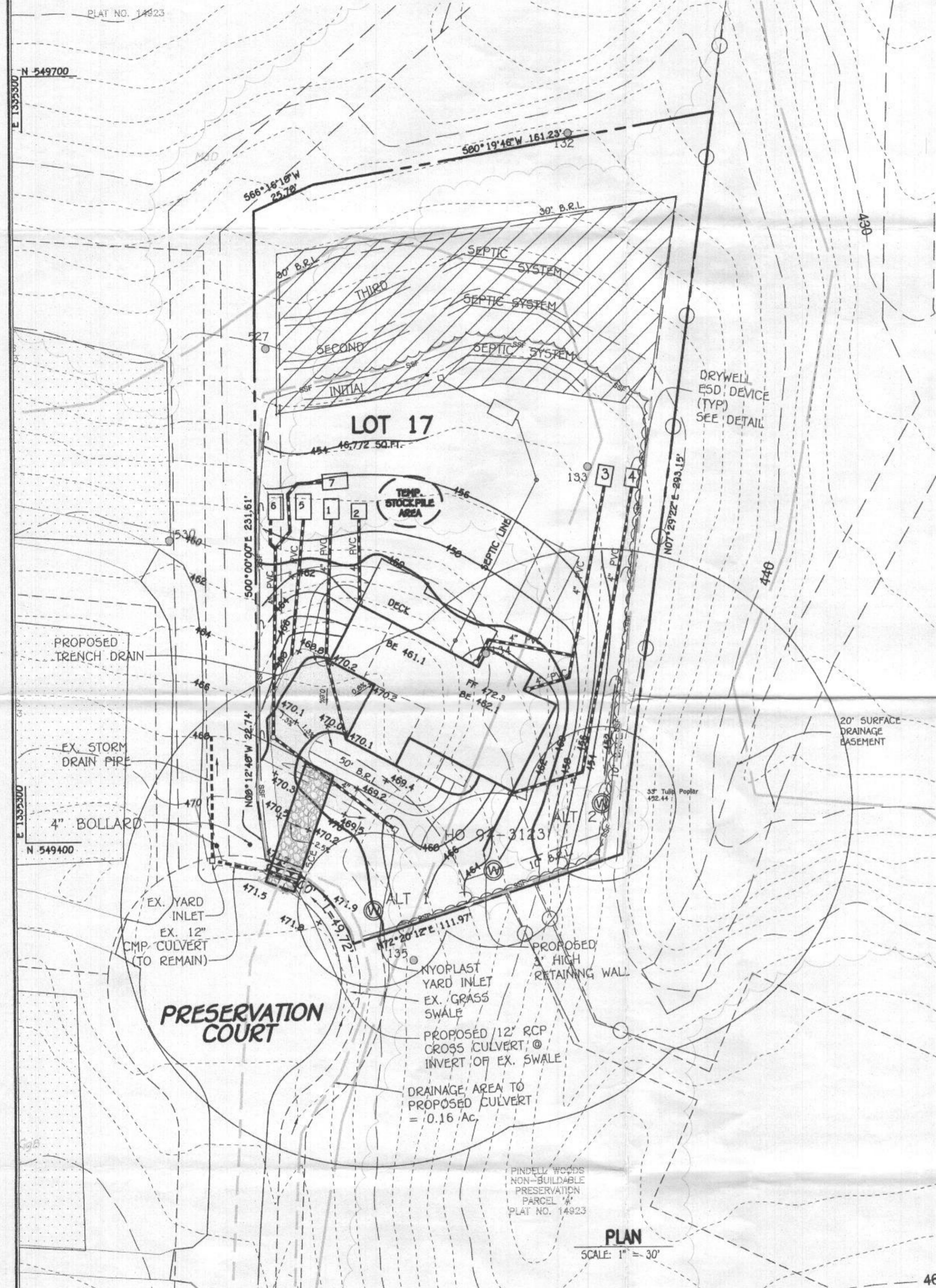
Thank you for visiting us today



- Must be to

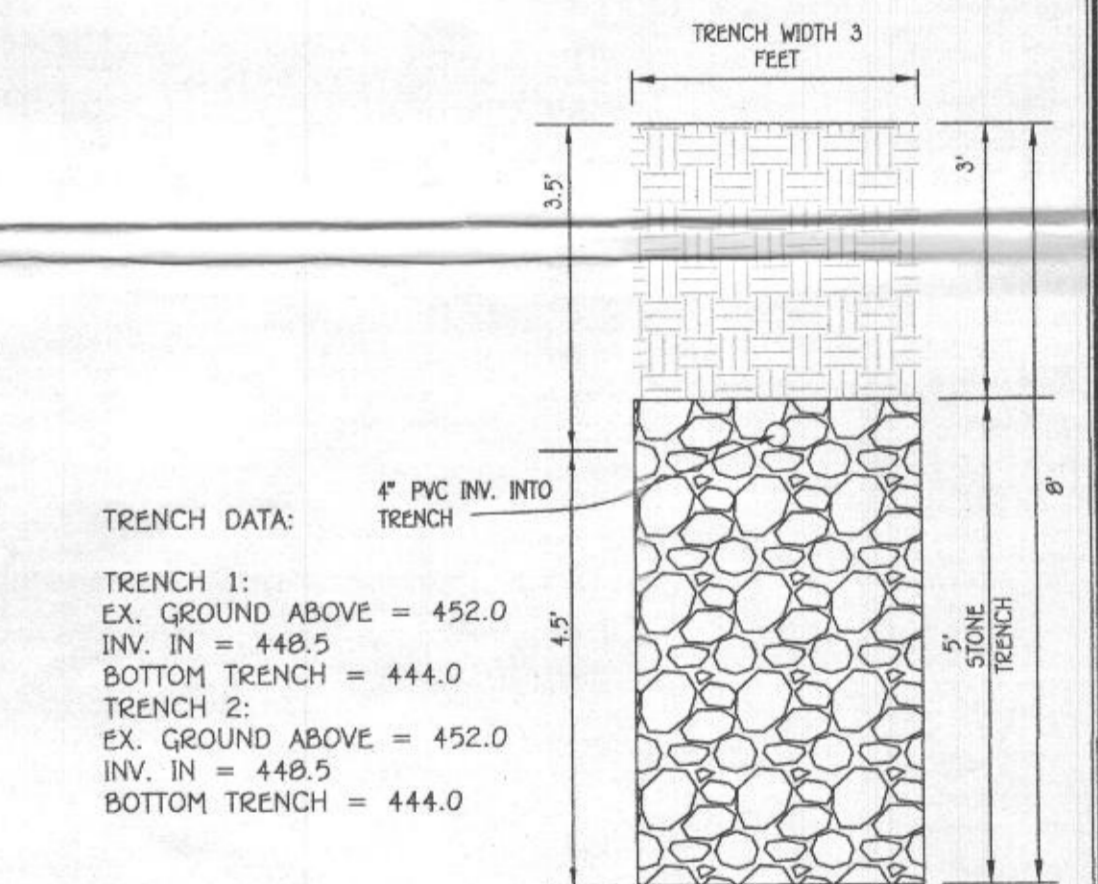
Scale (No other  
Issues)

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 EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. THE WELL HO-94-3123 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
4. 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.



Approved Septic System Plan  
Howard County Health Department  
2000-gal Septic Tank  
to Gravity Distribution  
for 6-bed room SFD  
Structure 8/24/21  
Date

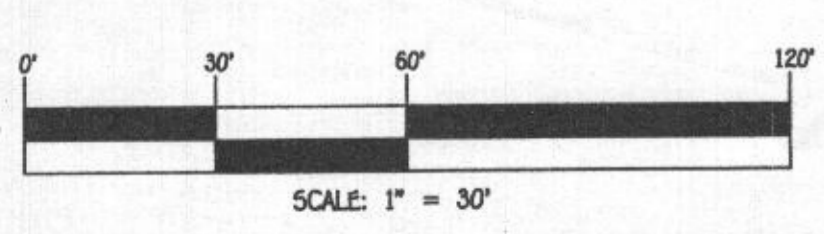
FFE 472.3  
BSE 462.1  
INV. OUT OF HOUSE = 458.00  
PROP. GROUND AT CLEANOUT #1 = 461.00  
INV. INTO CLEANOUT = 457.9  
INV. OUT OF CLEANOUT = 454.42  
PROP. GROUND AT CLEANOUT #2 = 453.7  
INV. INTO CLEANOUT = 453.88  
INV. OUT OF CLEANOUT = 449.70  
EX. GROUND AT SEPTIC TANK = 453.19  
PROP. GRADE ABOVE SEPTIC TANK = 453.19  
TOP OF SEPTIC TANK = 450.19  
INV. INTO SEPTIC TANK = 449.19  
INV. OUT OF SEPTIC TANK = 448.94  
EX. GROUND AT DISTRIBUTION BOX = 452  
INV. INTO DISTRIBUTION BOX = 448.6  
INV. OUT OF DISTRIBUTION BOX = 448.5



**INITIAL SYSTEM**  
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 6 BEDROOMS  
LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET  
TRENCH DEPTH = 0 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 4.5 FEET  
SF OF DRAINFIELD = 900 GPD / 1.2 = 750 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4.5)) = 0.38  
TRENCH LENGTH = 250.00 SF x 0.38 = 95 FEET  
(USE 2 TRENCHES AT 47.50 L.F.)  
TRENCH SPACING = 2D+W = ((2x4.5) + 3) = 12' USE 12'

**1ST REPLACEMENT SYSTEM**  
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(USE 2 TRENCHES AT 47.50 L.F.)  
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**2ND REPLACEMENT SYSTEM**  
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 6 BEDROOMS  
LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET  
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**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. 20748, EXPIRATION DATE: 02/22/2023.

*Signature*  
DATE

**SEPTIC PROFILE**  
SCALE: 1" = 30'

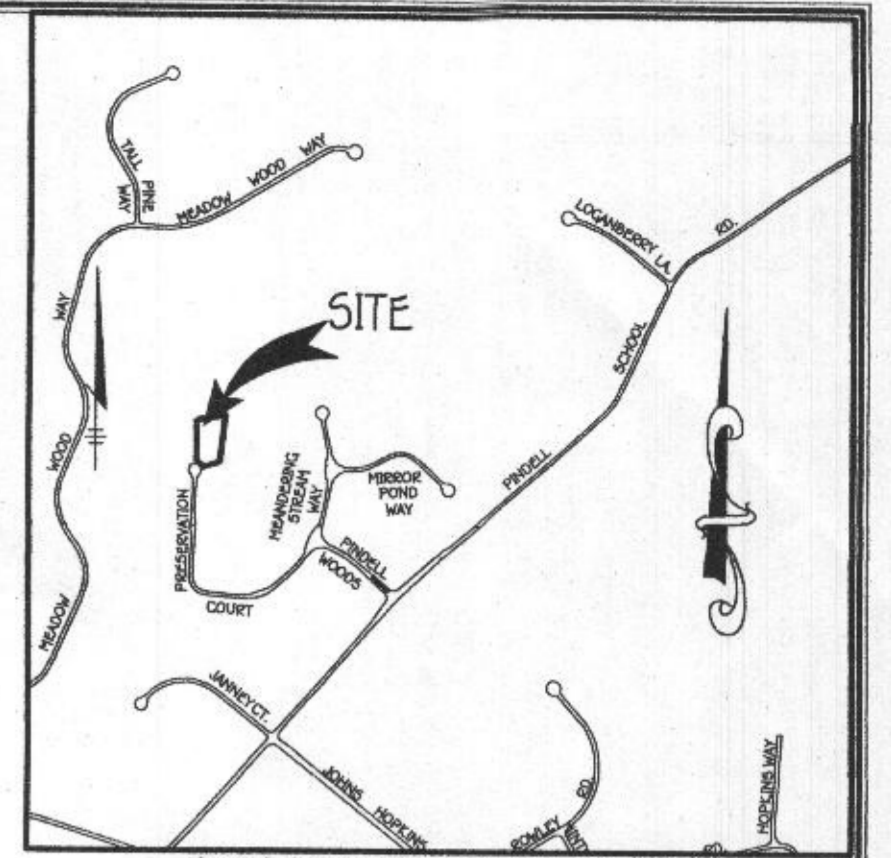
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
17	7250 PRESERVATION COURT

**SEPTIC SYSTEM  
INSTALLATION SITE PLAN**  
7250 PRESERVATION COURT  
PINDELL WOODS  
LOT 17  
LOTS 1 THRU 47 AND PRESERVATION PARCELS A THRU F  
ZONED R2-DEO  
TAX MAP No. 41 GRID No. 8 PARCEL No. 274  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE 1"=50' DATE: JULY 15, 2021  
SHEET: 1 OF 1

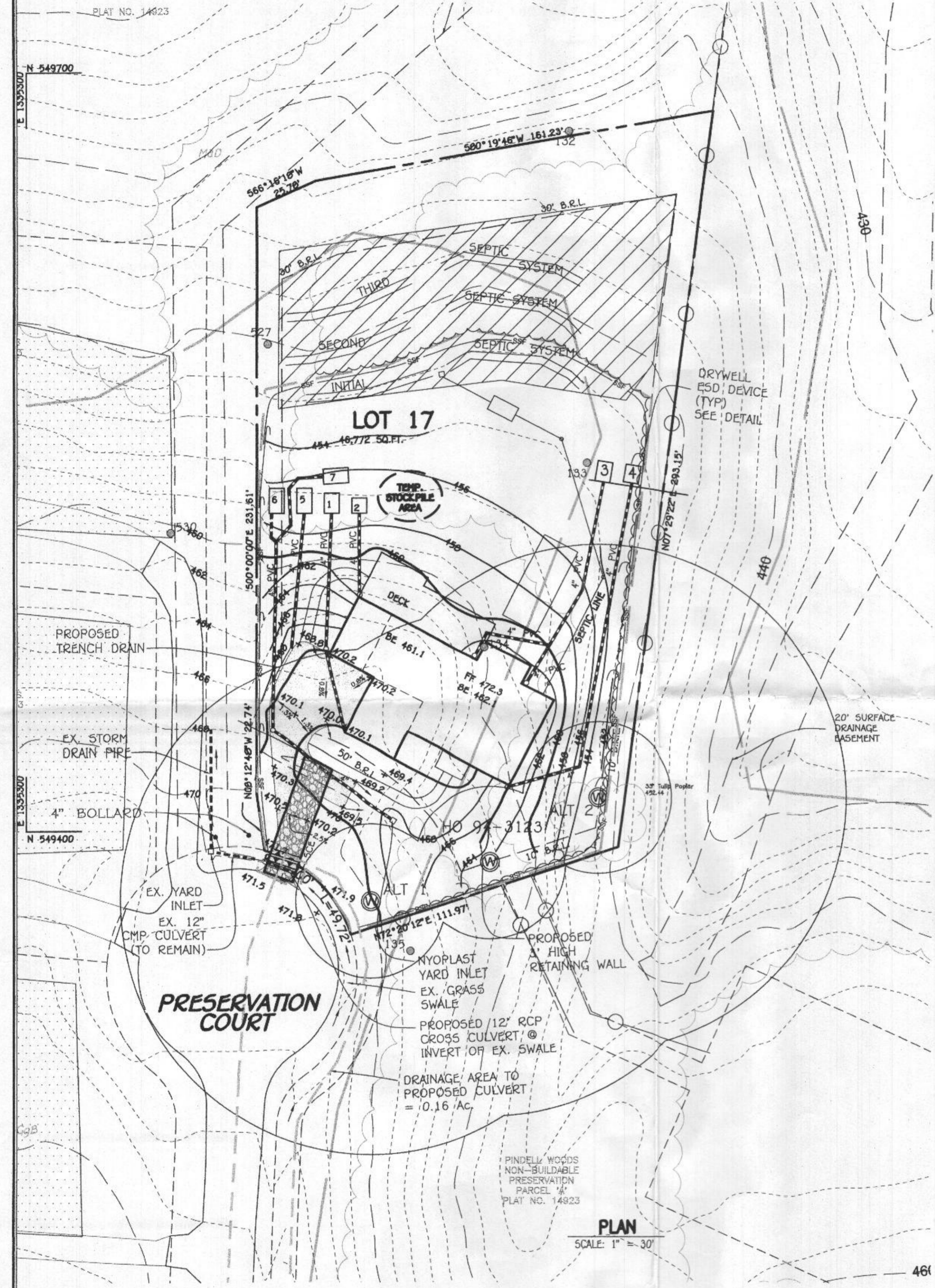
**OWNER/DEVELOPER**  
CARRY CUSTOM HOMES, LLC  
10540 GORHAM RD  
LAUREL, MD 20723  
301-490-5317

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CONTINENTAL SQUARE OFFICE PARK - 1807E BALDWIN INTERNAL PKWY  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2895

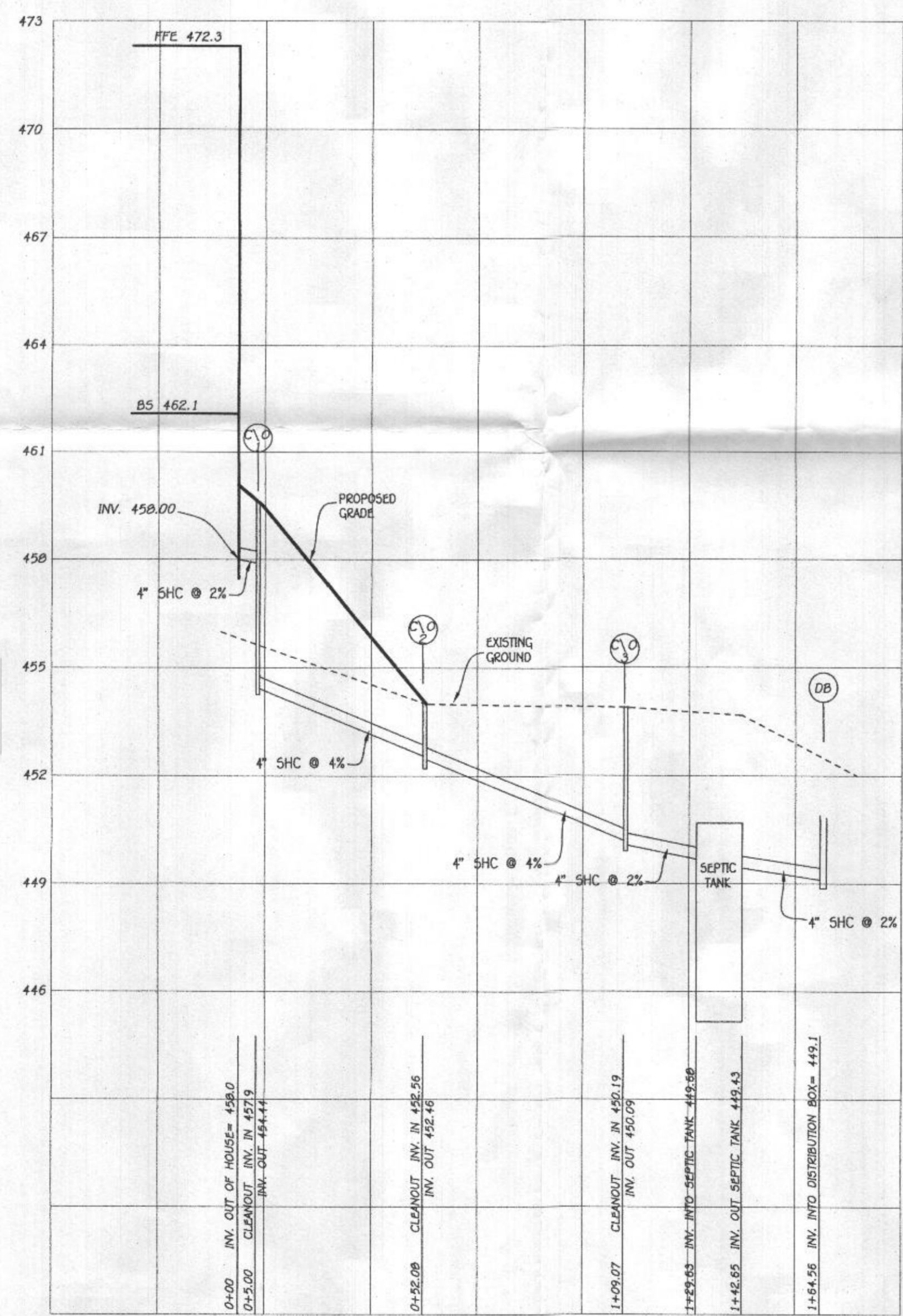
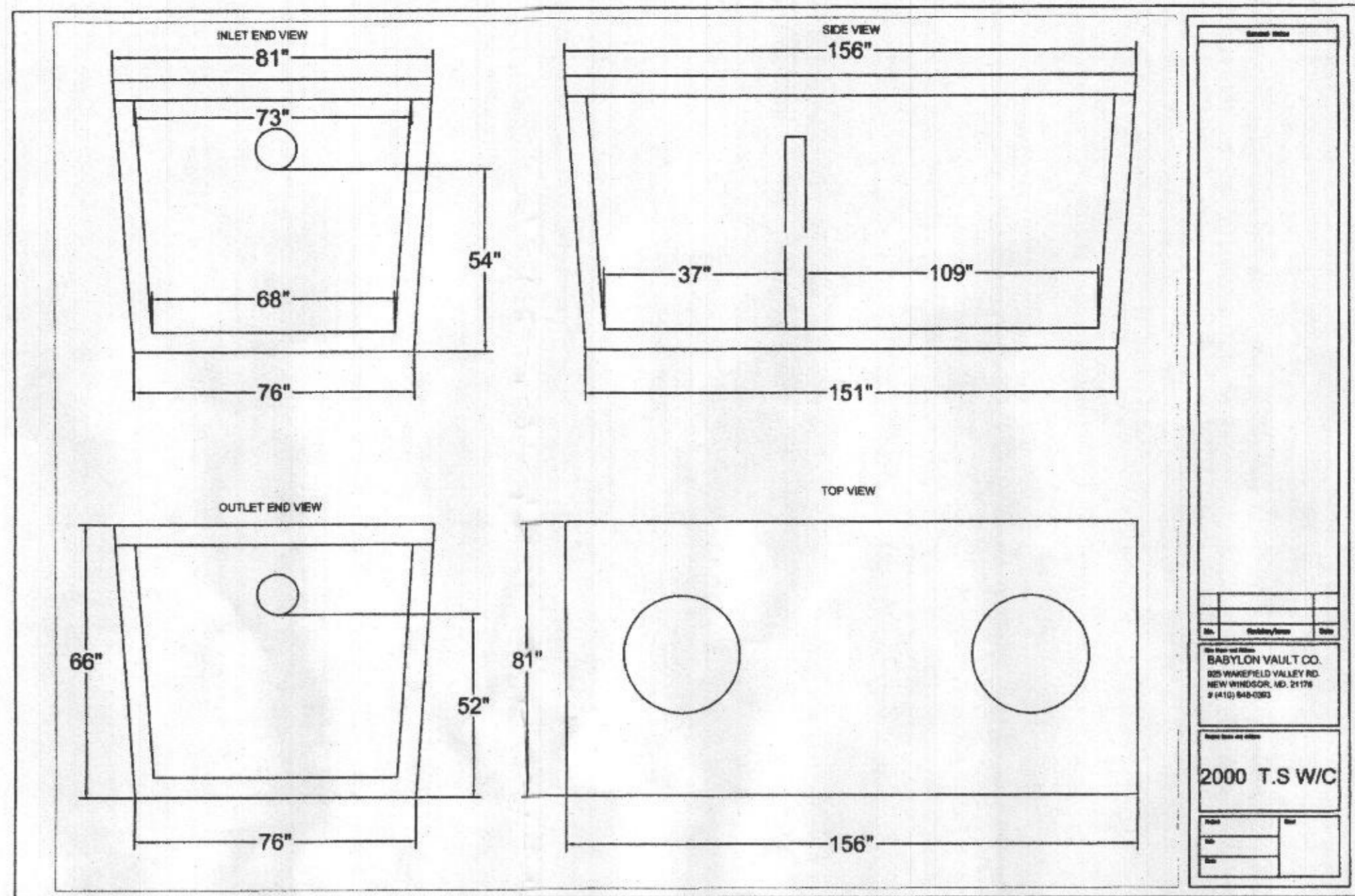
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Howard County ADC, Map #16, Grid 07  
**VICINITY MAP**  
 SCALE: 1" = 1200'

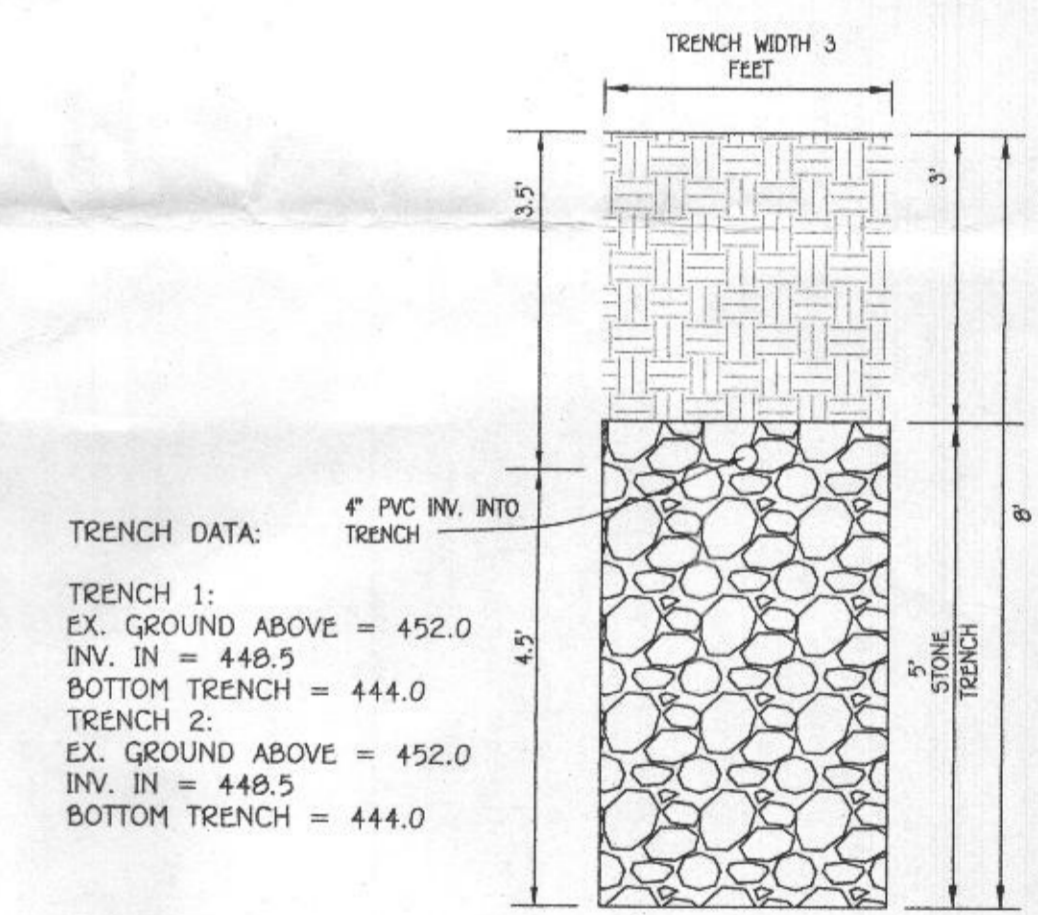


**PLAN**  
 SCALE: 1" = 30'



**SEPTIC PROFILE**  
 SCALE: 1" = 30'

FFE 472.3  
 BSE 462.1  
 INV. OUT OF HOUSE = 458.00  
 PROP. GROUND AT CLEANOUT #1 = 459.5  
 INV. INTO CLEANOUT = 457.9  
 INV. OUT OF CLEANOUT = 454.44  
 PROP. GROUND AT CLEANOUT #2 = 454  
 INV. INTO CLEANOUT = 452.56  
 INV. OUT OF CLEANOUT = 452.46  
 PROP. GROUND AT CLEANOUT #3 = 453.9  
 INV. INTO CLEANOUT = 451.09  
 INV. OUT OF CLEANOUT = 450.09  
 EX. GROUND AT SEPTIC TANK = 453.68  
 PROP. GRADE ABOVE SEPTIC TANK = 453.68  
 TOP OF SEPTIC TANK = 450.68  
 INV. INTO SEPTIC TANK = 449.68  
 INV. OUT OF SEPTIC TANK = 449.43  
 EX. GROUND AT DISTRIBUTION BOX = 452  
 INV. INTO DISTRIBUTION BOX = 449.1  
 INV. OUT OF DISTRIBUTION BOX = 449.0



**INITIAL TRENCH DETAIL**  
 SCALE: 1" = 2'

**INITIAL SYSTEM**

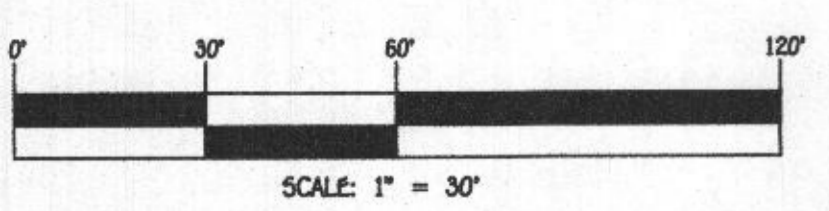
SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 6 BEDROOMS  
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 APPLICATION RATE = 1.2  
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 (USE 2 TRENCHES AT 47.50 L.F.)  
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**1ST REPLACEMENT SYSTEM**

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**2ND REPLACEMENT SYSTEM**

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SCALE: 1" = 30'

**PROFESSIONAL CERTIFICATION**

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*Signature of Professional Engineer*  
 Signature Of Professional Engineer

9/30/22  
 DATE

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 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PARK  
 SUITE 100, PANDORA, MARYLAND 21042  
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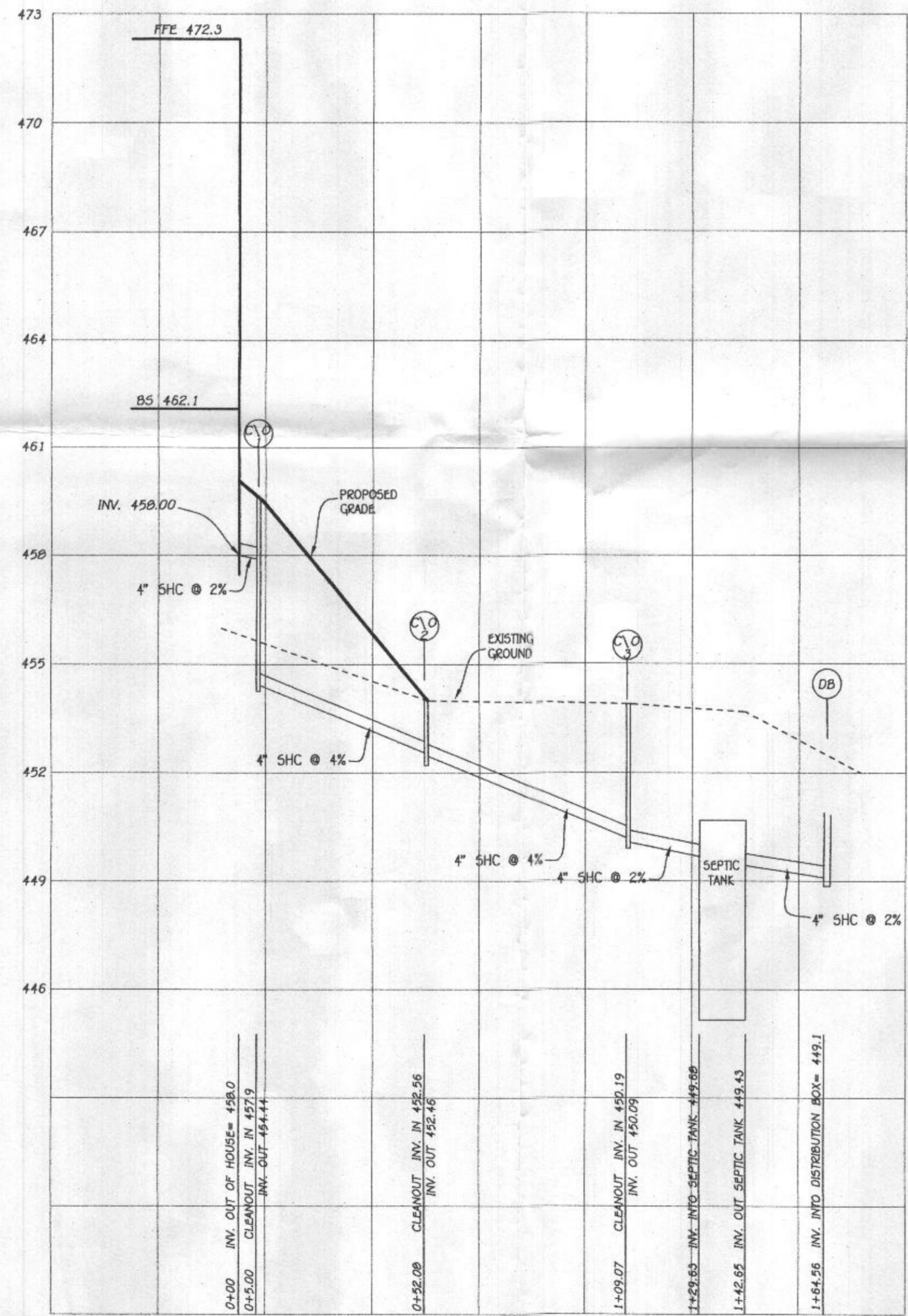
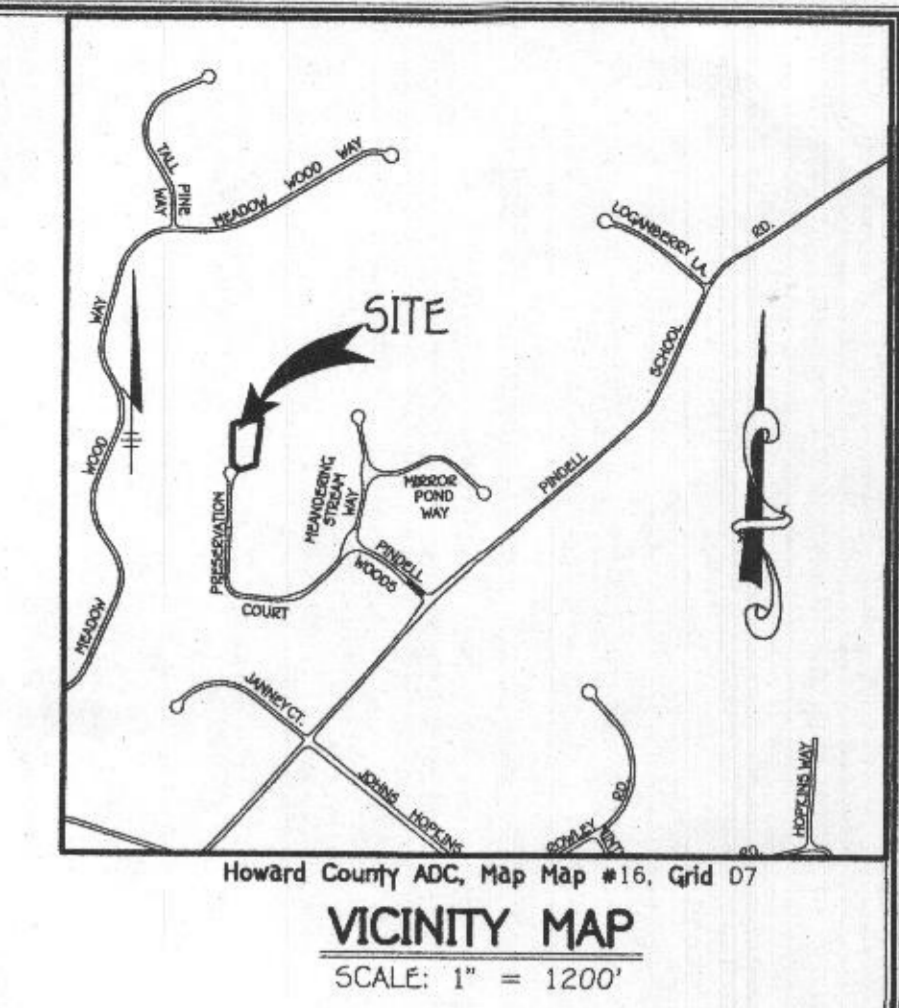
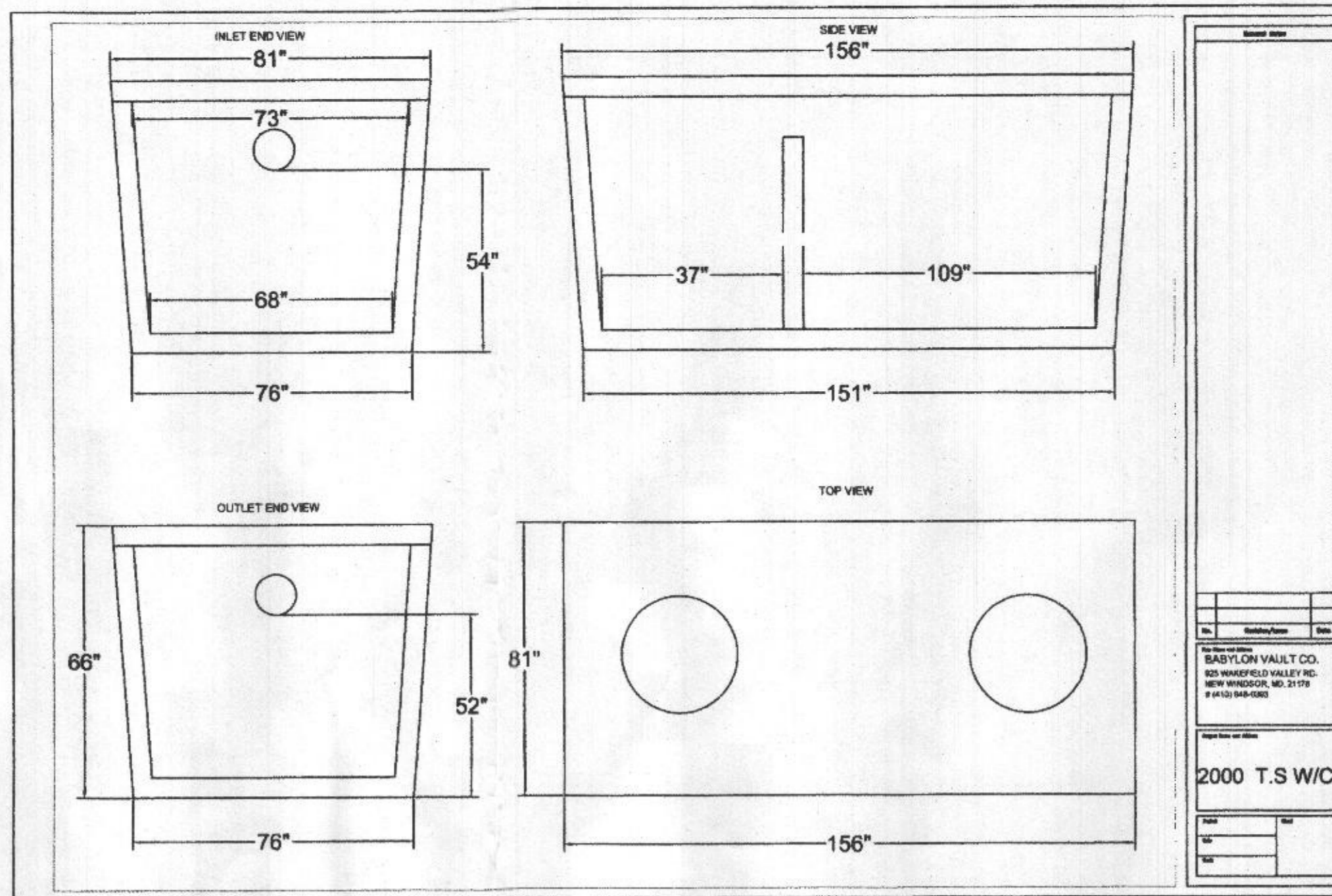
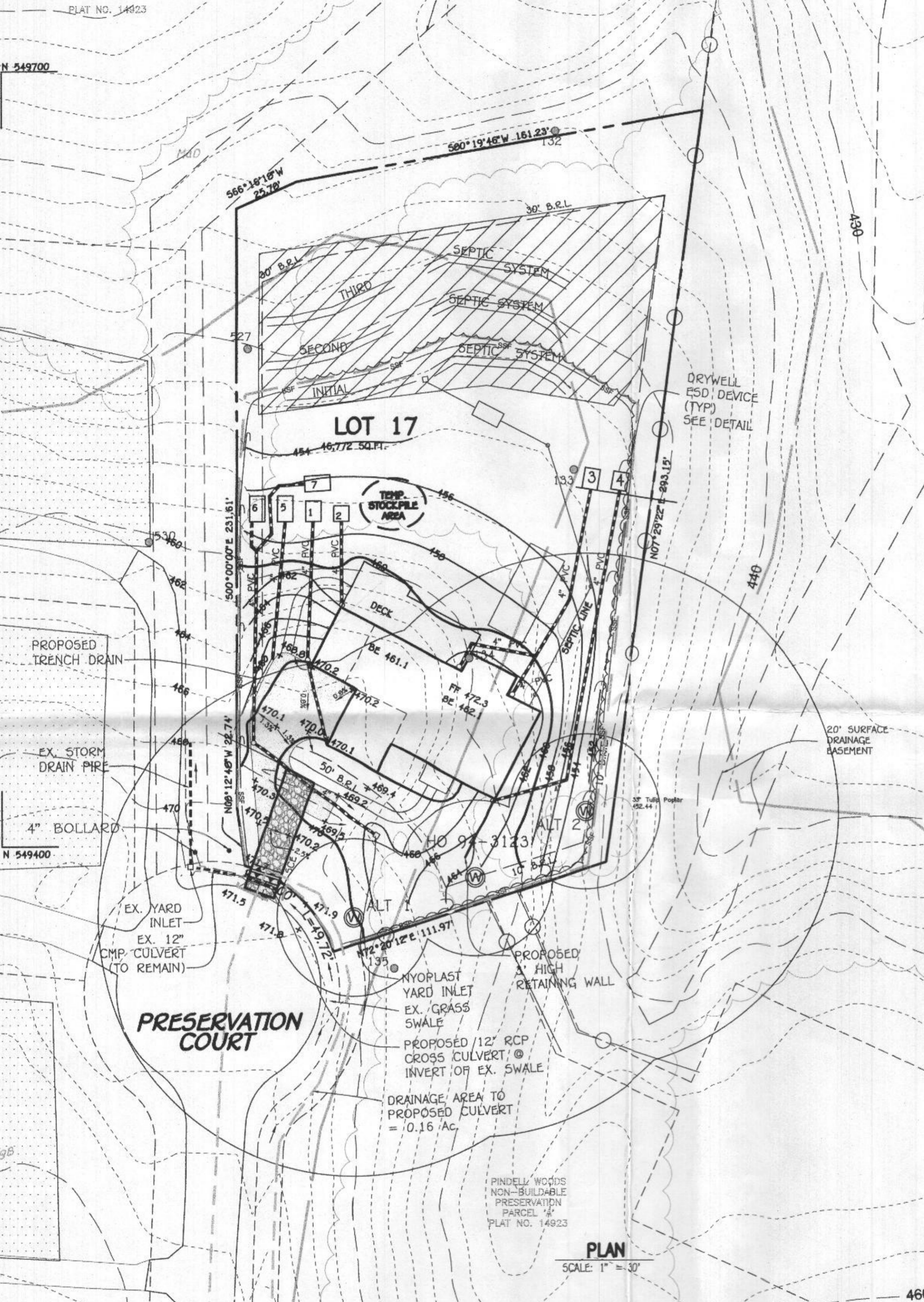
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
17	7250 PRESERVATION COURT

Approved Septic System Plan  
 Howard County Health Department  
*Signature* 10.4.22  
 Signature Date

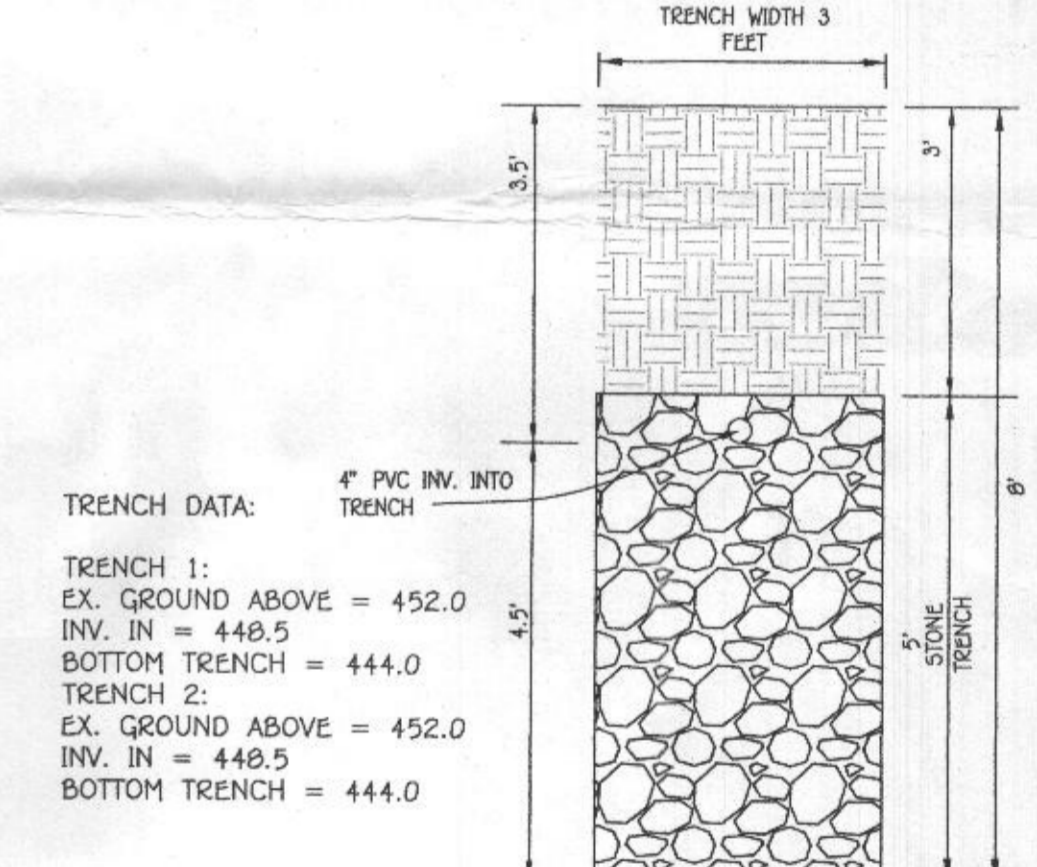
**SEPTIC SYSTEM  
 INSTALLATION SITE PLAN  
 7250 PRESERVATION COURT  
 PINDLELL WOODS**

**LOT 17**  
 LOTS 1 THRU 47 AND PRESERVATION PARCELS 4 THRU 9  
 ZONED RR-DEO  
 TAX MAP No. 41 GRID No. 8 PARCEL No. 274  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE 1"=50' DATE: September 30, 2022  
 SHEET: 1 OF 1

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FFE 472.3  
 BSE 462.1  
 INV. OUT OF HOUSE = 450.00  
 PROP. GROUND AT CLEANOUT #1 = 459.5  
 INV. INTO CLEANOUT = 457.9  
 PROP. GROUND AT CLEANOUT #2 = 454  
 INV. INTO CLEANOUT = 452.56  
 INV. OUT OF CLEANOUT #3 = 453.9  
 INV. INTO CLEANOUT = 451.09  
 EX. GROUND AT SEPTIC TANK = 453.60  
 PROP. GRADE ABOVE SEPTIC TANK = 453.60  
 TOP OF SEPTIC TANK = 450.60  
 INV. INTO SEPTIC TANK = 449.60  
 INV. OUT OF SEPTIC TANK = 449.43  
 EX. GROUND AT DISTRIBUTION BOX = 452  
 INV. INTO DISTRIBUTION BOX = 449.1  
 INV. OUT OF DISTRIBUTION BOX = 449.0



**INITIAL SYSTEM**

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 6 BEDROOMS  
 LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET  
 TRENCH DEPTH = 8 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 4.5 FEET  
 SF OF DRAINFIELD = 900 GPD / 1.2 = 750 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4.5)) = 0.30  
 TRENCH LENGTH = 250.00 SF / 0.30 = 95 FEET  
 (USE 2 TRENCHES AT 47.50 LF.)  
 TRENCH SPACING = 20+W = (2+4.5) + 3 = 12' USE 12'

**1ST REPLACEMENT SYSTEM**

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 EFFECTIVE DEPTH (D) = 4.5 FEET  
 SF OF DRAINFIELD = 900 GPD / 1.2 = 750 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4.5)) = 0.30  
 TRENCH LENGTH = TRENCH LENGTH = 250.00 SF x 0.30 = 95 FEET  
 (USE 2 TRENCHES AT 47.50 LF.)  
 TRENCH SPACING = 20+W = ((2+4.5) + 3) = 12' USE 12'

**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. 20746, EXPIRATION DATE: 02/22/2023.



Signature of Professional Engineer

9/30/22

**SEPTIC PROFILE**

SCALE: 1" = 30'

Approved Septic System Plan  
 Howard County Health Department  
 Mark Oswald 10.4.22  
 Signature Date

**SEPTIC SYSTEM  
 INSTALLATION SITE PLAN  
 7250 PRESERVATION COURT  
 PINDELL WOODS**

LOT 17  
 LOTS 1 THRU 47 AND PRESERVATION PARCELS A THRU F  
 ZONED RR-DED  
 TAX MAP No. 41 GRID No. 8 PARCEL No. 274  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE 1"=50' DATE: September 30, 2022  
 SHEET: 1 OF 1

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
17	7250 PRESERVATION COURT

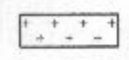
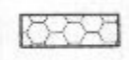
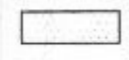
FISHER, COLLINS & CARTER, INC.  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK 10272 BALTIMORE NATIONAL PARK  
 ELLETTT CITY, MARYLAND 21144  
 (410) 461-2895

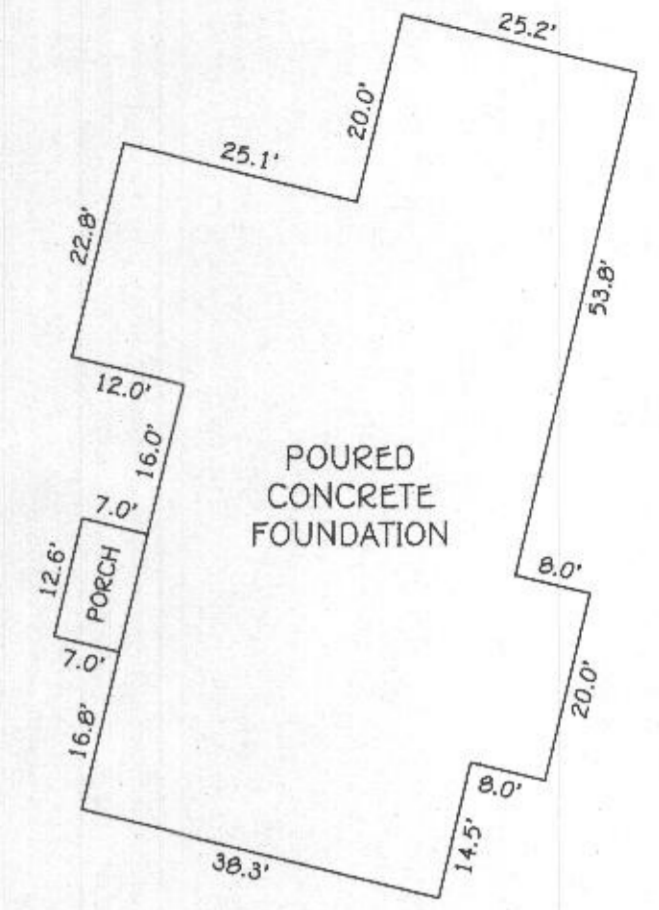
OWNER/DEVELOPER  
 CARRN CUSTOM HOMES LLC  
 10548 GORDMAN RD  
 LAUREL, MD 20723  
 301-490-5317

**GENERAL NOTES:**

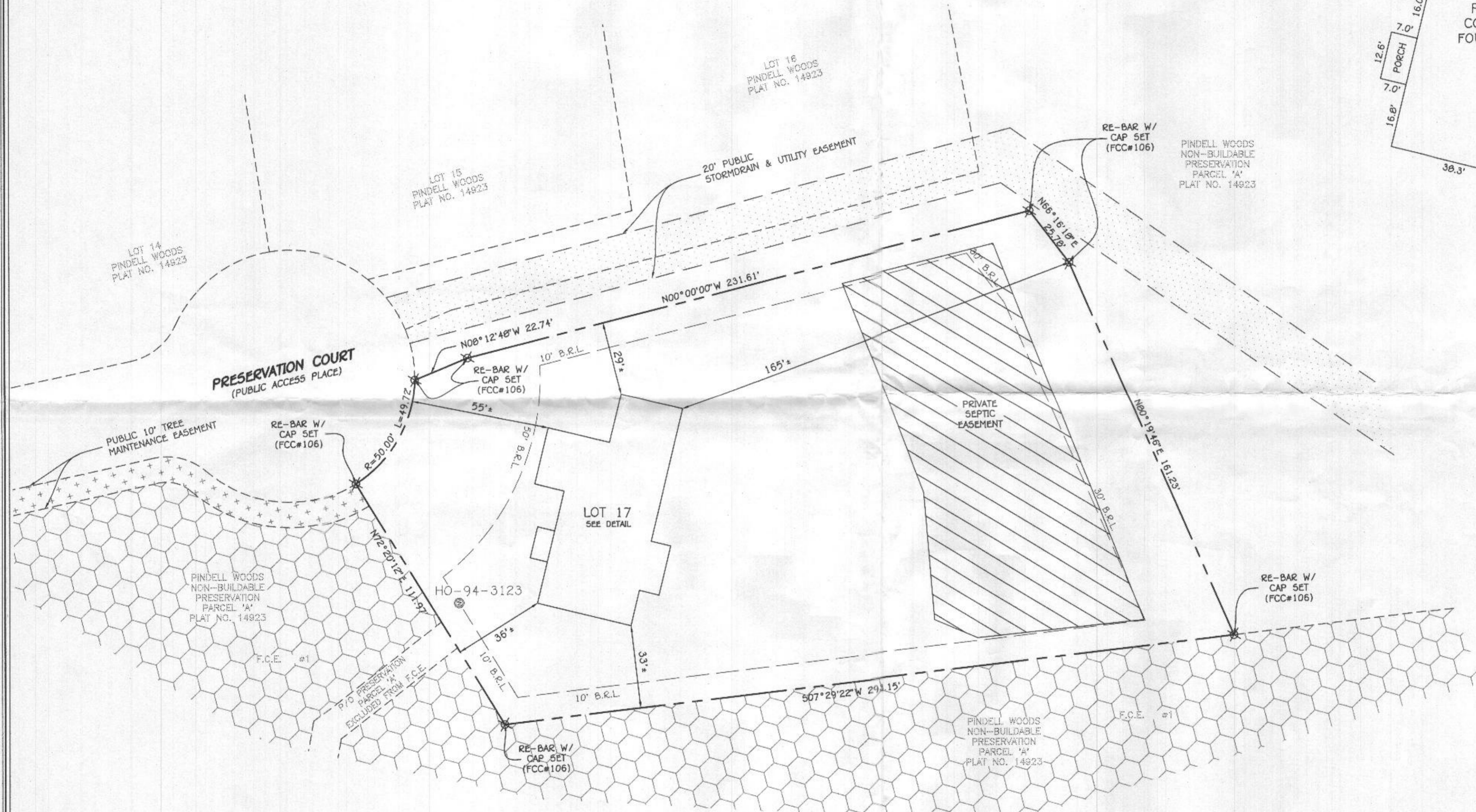
- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027C0145D EFFECTIVE NOV. 6, 2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1.0'
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-94-3123 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE 7/14/2023.
- 7) BUILDING PERMIT #B-21004195

**Legend**

-  Public 10' Tree Maintenance Easement
-  Forest Conservation Easement (Retention)
-  Public 10' Tree Maintenance Easement



DETAIL:  
1"=20'



**LOT 17  
PINDELL WOODS**

LOTS 1 THRU 47 AND PRESERVATION PARCELS A THRU F  
PLAT REFERENCE 14921 THRU 14924  
TAX MAP No. 41 GRID No. 8 PARCEL No. 274  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PK. E.  
ELLCOTT CITY, MARYLAND 21102  
(410) 461 - 2095

#7250 PRESERVATION COURT  
B.R.L. = BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEVATION = 470.7'

1.1.22  
Well check ok  
-H.O.

*Frost footer*

PROFESSIONAL LAND SURVEYOR  
REG. #21476

**HOUSE LOCATION DRAWING**

FOUNDATION LOCATION: 1/19/2  
FINAL LOCATION:  
BOUNDARY SURVEY: 12/31/2

SCALE: 1"=30'  
DATE: 1/20/2022  
DRAWN BY: HQ  
CHECKED BY: FM II  
PROJECT No.: 20323-60