

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: 2-3-22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 570941

APPROVAL DATE: 2/23/22 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 1608 Florence Road

SUBDIVISION: Patrick Family Limited

LOT: 3 TAX ID: \_\_\_\_\_

CONTRACTOR: Freedom Septic

EMAIL: Christy@freedomseptic.com

CONTRACTOR ADDRESS: 2809 Liberty Road, Sykesville, MD 21784

PHONE: 410-795-2947

PROPERTY OWNER: Patrick Family Partnership II

EMAIL: \_\_\_\_\_

OWNER ADDRESS: 1960 Daisy Road

PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon Vault Co.

PUMP MODEL: \_\_\_\_\_ PUMP SIZE \_\_\_\_\_

PUMP TANK CAPACITY: \_\_\_\_\_

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

TRENCHES:	LINEAR FEET REQUIRED: <u>195.31'</u>	INLET DEPTH: <u>3'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.0'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
	Install 4 - 50 foot trenches.	

ISSUED BY: Dana Bernard

ISSUE DATE: 2-16-2022

EXPIRATION DATE: 2-16-2023

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 22000351

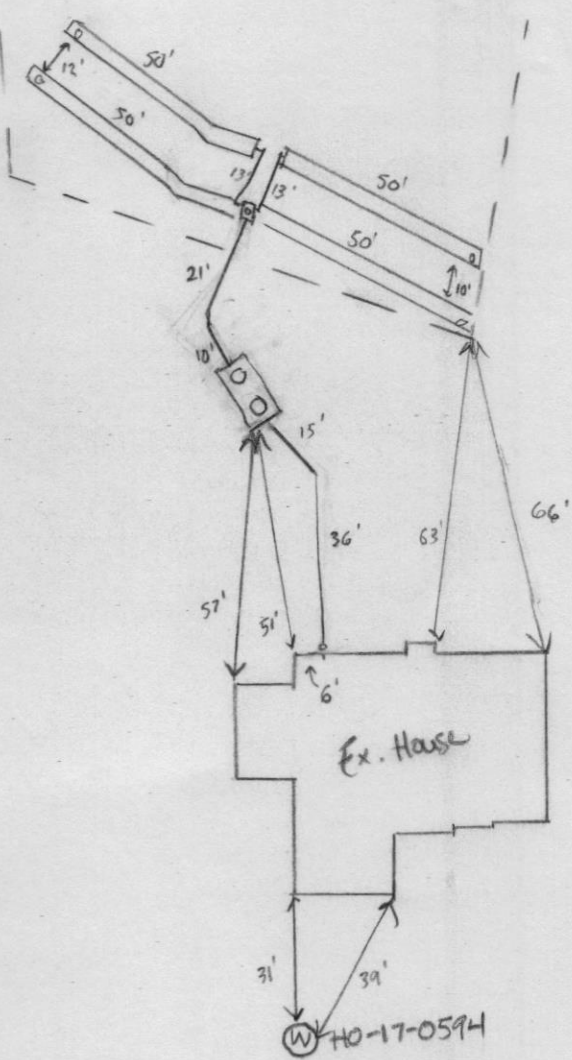
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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" ≈ 40'



ROAD NAME  
Florence Rd

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3	3'	7'
NUMBER OF TRENCHES		4
TOTAL LENGTH		200'
ABSORPTION AREA		600 sq ft + sidewalk
DISTRIBUTION BOX LEVEL		speedy
DISTRIBUTION BOX BAFFLE		cement
DISTRIBUTION BOX PORT		PVC

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	2'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	12-20-21

**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:**

2/16/22 Confirmed SHC location in basement. Plenty of fall to tank. 4x50' trenches were staked out on contour according to plan. (ST)

**INSTALLATION:**

2/17/22 SL constructed, tank set. Reinsp for SHC. (SD) 2/18/22 One trench constructed, d-box set. (ST) 2/23/21 Remaining trenches installed, d-box leveled. (BT)

FINAL INSPECTOR

*Susan Thomas*

DATE OF APPROVAL

2/23/22

# Howard County Health Department

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

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- 570941

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: Freedom Septic

LOCATION: 1608 Florence Road

**\*\*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

## Bernard, Dana

---

**From:** Bernard, Dana  
**Sent:** Wednesday, July 21, 2021 9:42 AM  
**To:** Tony Fertitta  
**Cc:** Williams, Jeffrey  
**Subject:** RE: Project updates

Tony,

Per our conversation.... The new septic plan sent to our office with the revision regarding the new design of the house has to be revised. For some reason the house is not showing up on the plan. Could you send in revisions and this plan will be review as soon as possible. Please sent three copies.

Thank You  
Dana Bernard

**From:** Tony Fertitta <tonyf@fcc-eng.com>  
**Sent:** Tuesday, July 20, 2021 8:15 AM  
**To:** Bernard, Dana <dbernard@howardcountymd.gov>  
**Subject:** FW: Project updates

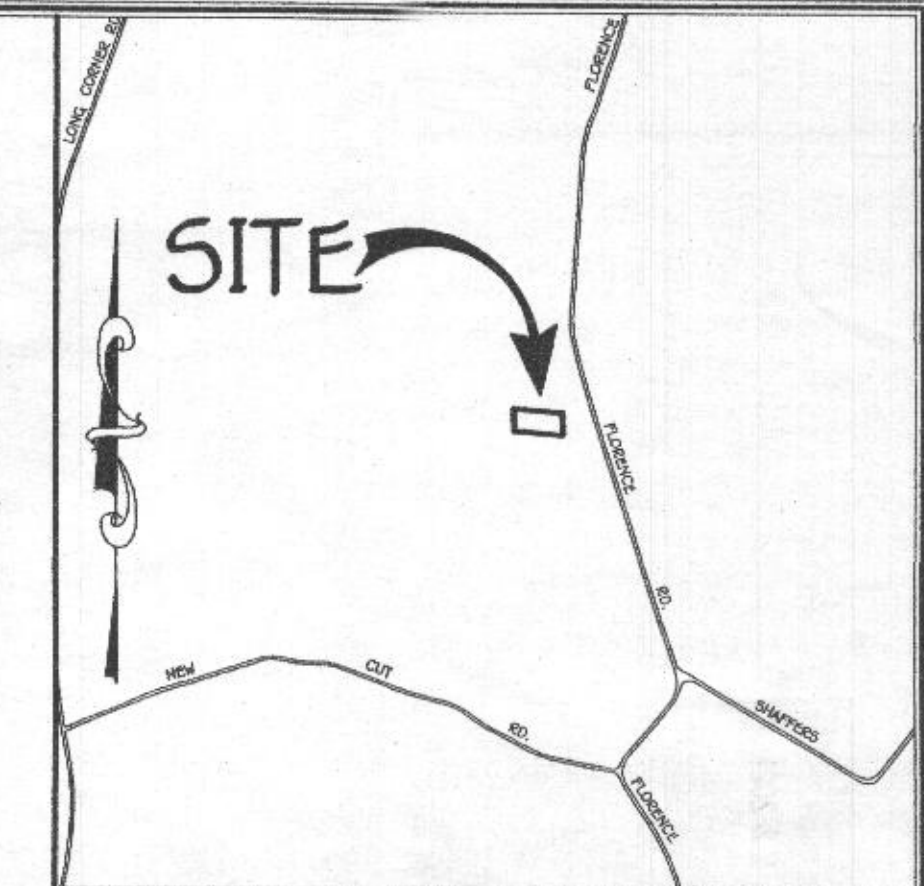
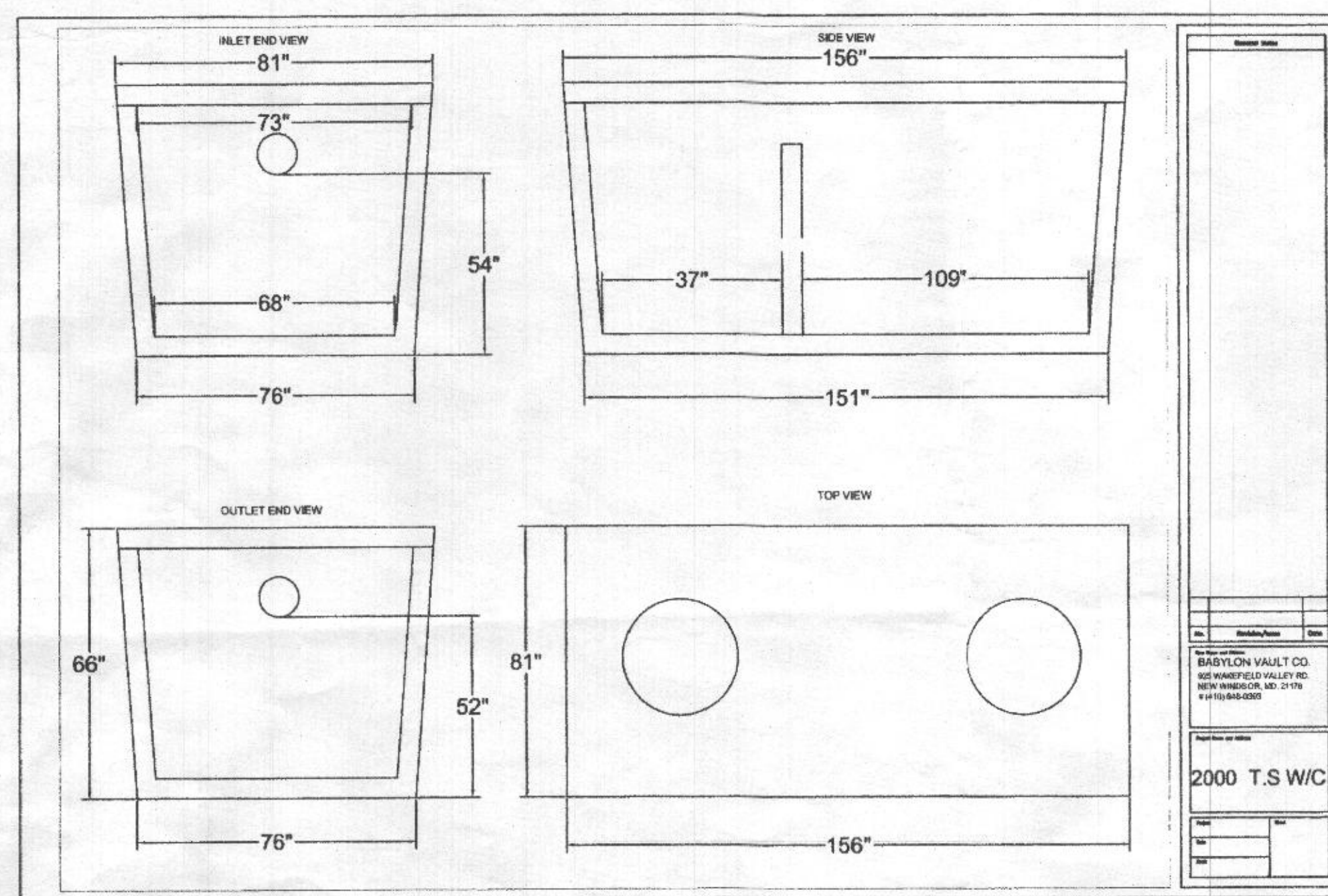
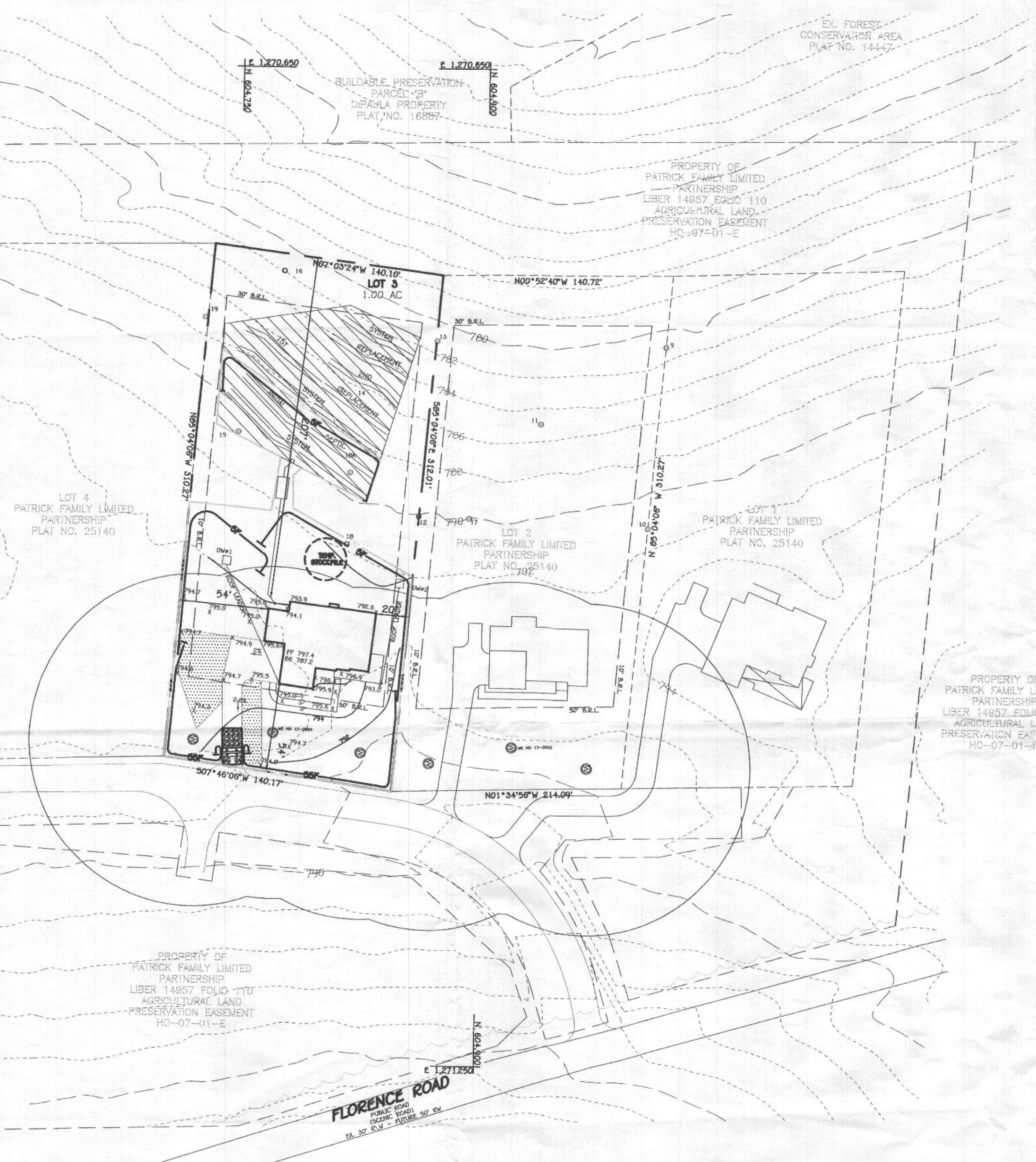
[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Patrick Family Limited 1608 Florence Rd - Revised house type Septic install was previously approved

Thanks

Tony





**TRENCH DATA:**

**VICINITY MAP**  
SCALE: 1" = 1200'  
ADC MAP No. 7, 65

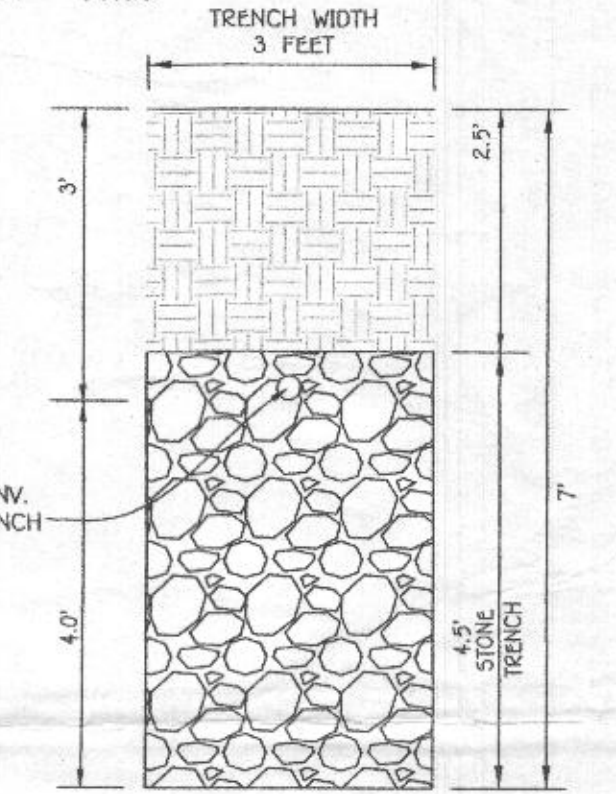
TRENCH 1:  
EX. GROUND ABOVE = 789.9  
INV. IN = 785.90  
BOTTOM TRENCH = 782.9

TRENCH 2:  
EX. GROUND ABOVE = 789.9  
INV. IN = 785.90  
BOTTOM TRENCH = 782.9

TRENCH 3:  
EX. GROUND ABOVE = 789.0  
INV. IN = 785.0  
BOTTOM TRENCH = 782.0

TRENCH 4:  
EX. GROUND ABOVE = 789.0  
INV. IN = 785.0  
BOTTOM TRENCH = 782.0

FFE 797.4  
BSE 787.2  
INV. OUT OF HOUSE = 788.23  
PROP. GROUND AT CLEANOUT #1 = 793.9  
INV. INTO CLEANOUT = 788.05  
INV. OUT OF CLEANOUT = 787.95  
EX. GROUND AT SEPTIC TANK = 790.66  
PROP. GRADE ABOVE SEPTIC TANK = 790.66  
TOP OF SEPTIC TANK = 787.66  
INV. INTO SEPTIC TANK = 786.66  
INV. OUT OF SEPTIC TANK = 786.41  
EX. GROUND AT DISTRIBUTION BOX = 790.1  
INV. INTO DISTRIBUTION BOX = 786.2  
INV. OUT OF DISTRIBUTION BOX = 786.1

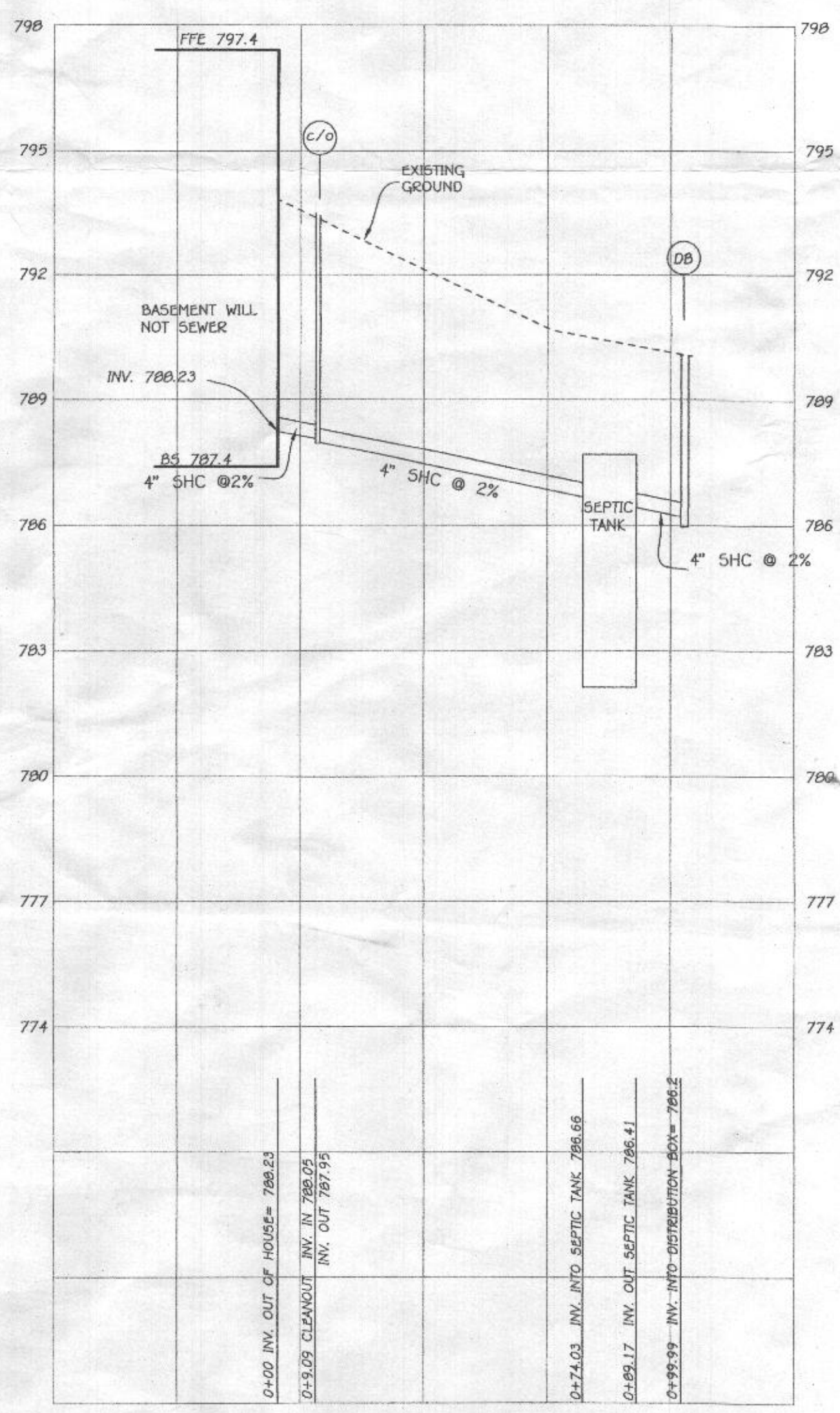


**INITIAL TRENCH DETAIL**  
SCALE: 1" = 2'

**INITIAL SYSTEM**  
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS  
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD  
APPLICATION RATE = 0.8  
EFFECTIVE SIDEWALL BEGINS AT 5 FEET  
TRENCH DEPTH = 7 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 2 FEET  
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH =  $(W+2)/(W+1+2D) = (3+2)/(3+1+(2x2)) = 0.625$   
TRENCH LENGTH = 312.50 SF x 0.625 = 195.31 FEET  
(USE 4 TRENCHES AT 48.83 LF.)  
TRENCH SPACING = 20+W = ((2x2) + 3) = 7' USE 10'

**1ST REPLACEMENT SYSTEM**  
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS  
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD  
APPLICATION RATE = 0.8  
EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
TRENCH DEPTH = 6 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 2 FEET  
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH =  $(W+2)/(W+1+2D) = (3+2)/(3+1+(2x1.5)) = 0.625$   
TRENCH LENGTH = 312.50 SF x 0.625 = 195.31 FEET  
(USE 4 TRENCHES AT 48.83 LF.)  
TRENCH SPACING = 20+W = ((2x2) + 3) = 7' USE 10'

**2ND REPLACEMENT SYSTEM**  
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS  
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 4.5 FEET  
TRENCH DEPTH = 6 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 1.5 FEET  
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH =  $(W+2)/(W+1+2D) = (3+2)/(3+1+(2x1.5)) = 0.71$   
TRENCH LENGTH = 208.33 SF x 0.71 = 147.92 FEET  
(USE 3 TRENCHES AT 49.31 LF.)  
TRENCH SPACING = 20+W = ((2x2.5) + 3) = 8' USE 10'



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

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - -	PROPOSED CONTOUR 2' INTERVAL
+ 362.5	SPOT ELEVATION
-5SF-5SF-	SUPER SILT FENCE
---	WALKOUT BASEMENT
---	LIMITS OF DISTURBANCE
ECM	EROSION CONTROL MATTING
---	STONE CONSTRUCTION ENTRANCE

- 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 HO-17-0394 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.

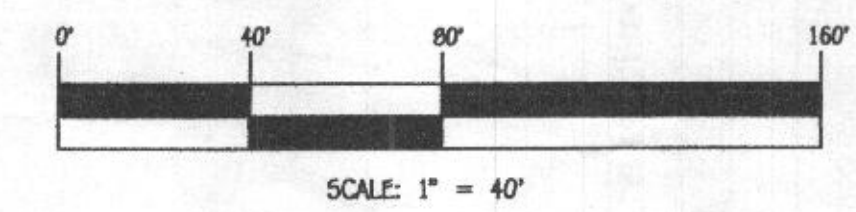
**PROFESSIONAL CERTIFICATION**

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.



*Michael Vitucci*  
Signature of Professional Engineer DATE: 7/23/21

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
3	1608 FLORENCE ROAD



**OWNER/DEVELOPER**  
PATRICK FAMILY LIMITED PARTNERSHIP II  
1960 DASY RD  
WOODBINE MD 21797  
xxx-xxx-xxxx

**BUILDER**  
CARON CUSTUM HOMES  
10548 GORMAN RD  
LAUREL MD 20723  
301-490-5317

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 1027 BALDWIN NATIONAL PKWY  
ELICOTT CITY, MARYLAND 21042  
4100 461 - 2000

NO.	REVISION	DATE

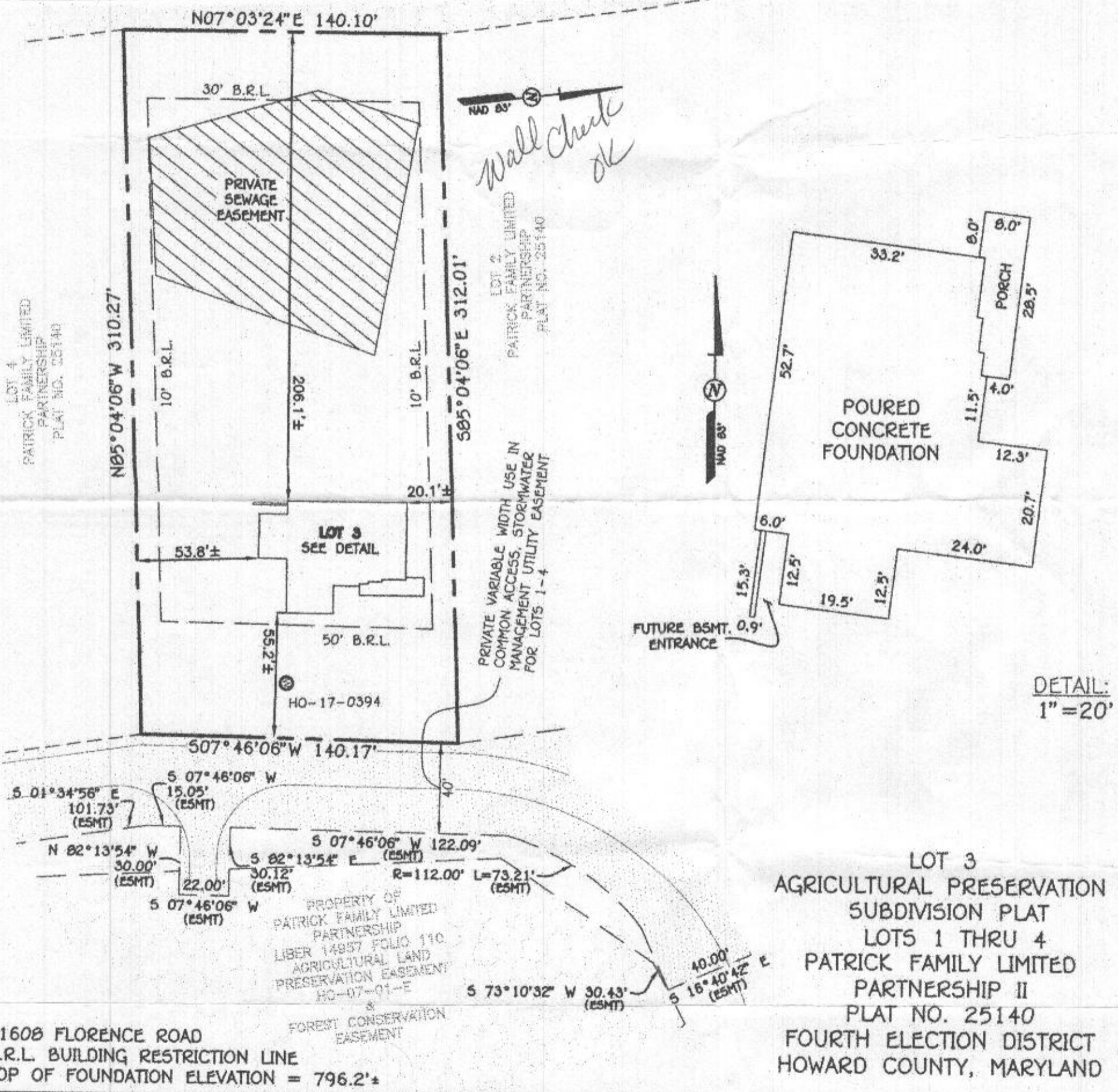
Approved Septic System Plan  
Howard County Health Department  
*Dana Burned* 8-4-21  
Signature Date

**SEPTIC SYSTEM  
INSTALLATION SITE PLAN**  
PATRICK FAMILY LIMITED  
PARTNERSHIP  
LOT 3  
ZONED: RC-DEO  
TAX MAP NO.: 6 GRID NO.: 17 PARCEL NO.: 65  
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 40' DATE: JUNE 17, 2021  
SHEET 1 OF 1

# 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. 24027C00100 EFFECTIVE 11/6/2013.
- 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'. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-17-0394 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2022.
- 6) BUILDING PERMIT #B-21002992

PROPERTY OF  
PATRICK FAMILY LIMITED PARTNERSHIP  
LIBER 14957 FOLIO 110  
AGRICULTURAL LAND PRESERVATION EASEMENT  
HO-07-01-E  
&  
FOREST CONSERVATION EASEMENT



#1608 FLORENCE ROAD  
B.R.L. BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEVATION = 796.2'

LOT 3  
AGRICULTURAL PRESERVATION  
SUBDIVISION PLAT  
LOTS 1 THRU 4  
PATRICK FAMILY LIMITED  
PARTNERSHIP II  
PLAT NO. 25140  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 461 - 2055



## HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 11/3/21  
FINAL LOCATION: \_\_\_\_\_  
BOUNDARY SURVEY: \_\_\_\_\_

Drawing Name:  
FCC #

*Mark L. Robel*  
PROPERTY LINE SURVEYOR  
REG. #339  
DATE: 11/04/21

SCALE: 1"=50'  
DATE: 11/4/2021  
DRAWN BY: MD  
CHECKED BY: MLR  
PROJECT No.: 09034