

Duredu Or 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

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

RECEIPT I	DATE: 06/02/2020 ONSITE SEWAGE DISPOSAL SYSTEM P 567861		
APPROVAL I	PATE: 6/10/2020 FT PERMIT: CONSTRUCTION A		
PROPERTY ADDRESS: 3639 Paupers Folly Lane			
SUBDIVISION	SUBDIVISION: Belvedere Estates LOT: 7 TAX ID: 03-600116		
CONTRACTOR: South Carroll Backhoe EMAIL: -			
CONTRACTOR ADDRESS: 4410 Salem Bottom Road PHONE: 410-875-4197			
PROPERTY OWNER: NVR Inc EMAIL: -			
OWNER ADDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046 PHONE: -			
SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon or Equivalent			
PUMP MODEL: n/a PUMP SIZE n/a PUMP TANK CAPACITY: n/a			
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2			
	LINEAR FEET REQUIRED: 105' INLET DEPTH: 3'		
TRENCHES:	TRENCH WIDTH: 3' MAXIMUM BOTTOM DEPTH: 8'		
	MINIMUM SPACE BETWEEN TRENCHES: 13' EFFECTIVE AREA BEGINNING DEPTH: 5'		
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.		
NOTES:	2×52' trenches		
ISSUED BY:	Joseph Cabahug ISSUE DATE: 06/05/2020 EXPIRATION DATE: 06/02/2021		
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 DEPARTMEN T 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			
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			
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.

279189279189	NOT TO SCALE	TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM
		3' 3' 8'
		NUMBER OF TRENCHES
	52	TOTAL LENGTH
1	53	ABSORPTION AREA 315 sq ft + Side well
	8 8 62.5	DISTRIBUTION BOX LEVEL
		DISTRIBUTION BOX BAFFLE ARS
	75'	DISTRIBUTION BOX PORT
	117'	PRE-CONSTRUCTION:
	aò	SEPTIC TANK DATA SEPTIC TANK 1 LEVEL
		MANUFACTURER Basylan
	45' 48	CAPACITY 2000 GAL
		SEAM LOC TOP
		TANK LID DEPTH 2'
		BAFFLES trunt + back
		BAFFLE FILTER —
	`**'	MANHOLE LOC Great + back
		6" PORT LOC
		WATERTIGHT TEST
	HOUSE	SLOTTED 4.15 - 26
1 -	HOUSE	
		PUMP/SEPTIC TANK LEVEL
		MANUFACTURER
		CAPACITYGAL
		SEAM LOC TANK LID DEPTH
	361	BAFFLES
	42'	BAFFLE FILTER
		MANHOLE LOC
		6" PORT LOC
	Ho-17-0016	WATERTIGHT TEST
	POAD NAME	SLOTTED DATE ON LID
	PAUPERS FOLLY LANE	DATE ON ELD
	Thores roug or	
16/18/7010 7	ANKI DBUX · PLANCHES: 8DA , STAKED	TEFINGHES ARE SHORT.
MOUE D BOX	ANK, DBUX; PLENCHES; SDA STAKED L ABOVE TRENCHES AND FIPE INTO CE	NITER OF IX 105' TRENCH.
	ON BOTH SIDES OF SDA TO MAKE	
	ON DOTH HOUSE LOOKS OK.	aneria processioni.
DEWELL INVO	OF BHI HOVED BOXES CALLED	
INSTALLATION: 6	19/2070 SHC Took and Notice set Trunches	will be 2 x 52' with al-box
	(one long 105' trench). (1) 6/10/202	a Debay leveled and
in the cente	and long to French. To leg logace	(1051 G)
Two trenches	constructed with a total length of	9F 105. GT
	0	
TIDIA TORROS	Aug The all properties	NAT 6/10/2020
FINAL INSPECTOR	Susan Thomas DATE OF APPRO	VAL

Oswald, Hank

From:

Oswald, Hank

Sent:

Tuesday, March 24, 2020 3:08 PM

To:

Dave Harward, III

Subject:

OSDS Plan_3639 Paupers Folly_Belvedere Estates Lot 7

Hi Dave:

I have just a few comments regarding the OSDS Plan for Belvedere Estates Lot 7.

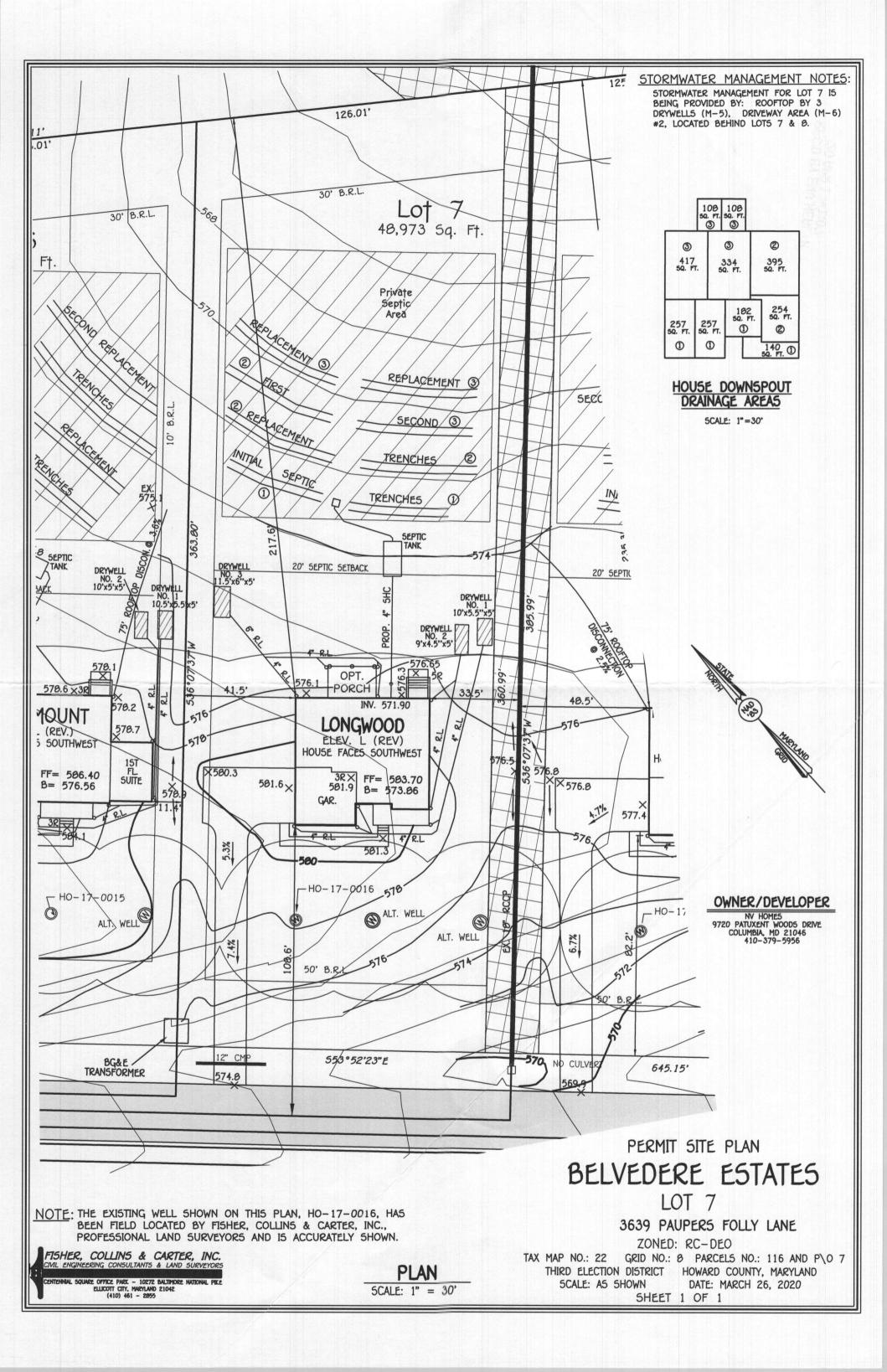
- 1. The septic plan shows 3 alternate well site instead of a well box. Was the perc cert updated since 09 or is there another reason for the well sites?
- 2. Move drywall #2 outside the well radius.
- 3. Match septic profile elevations with adjacent list of elevations.
- 4. Reduce proposed grade over tank to 3 feet or less.

Should you have any questions, please dont hesitate to ask.

Thanks, Hank

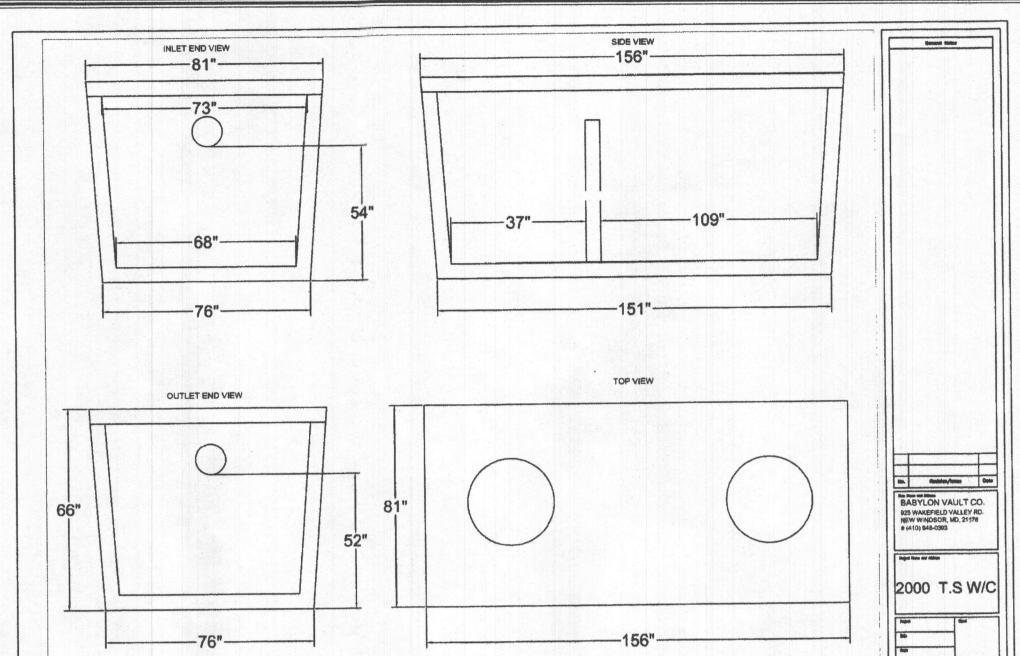
Sent from my Verizon, Samsung Galaxy smartphone

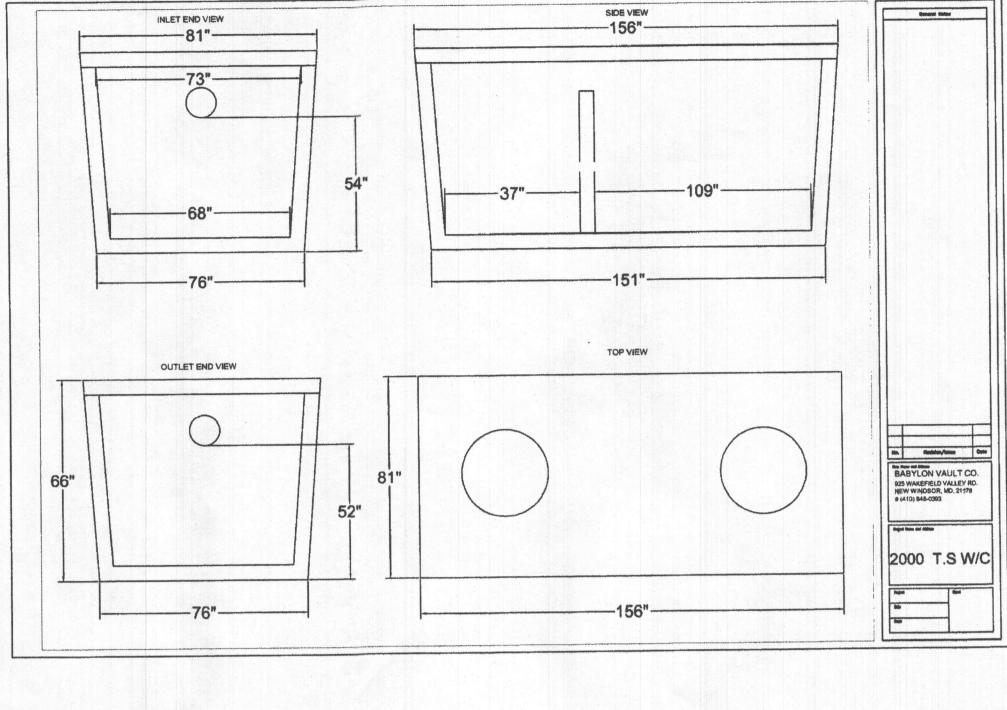
Get Outlook for Android

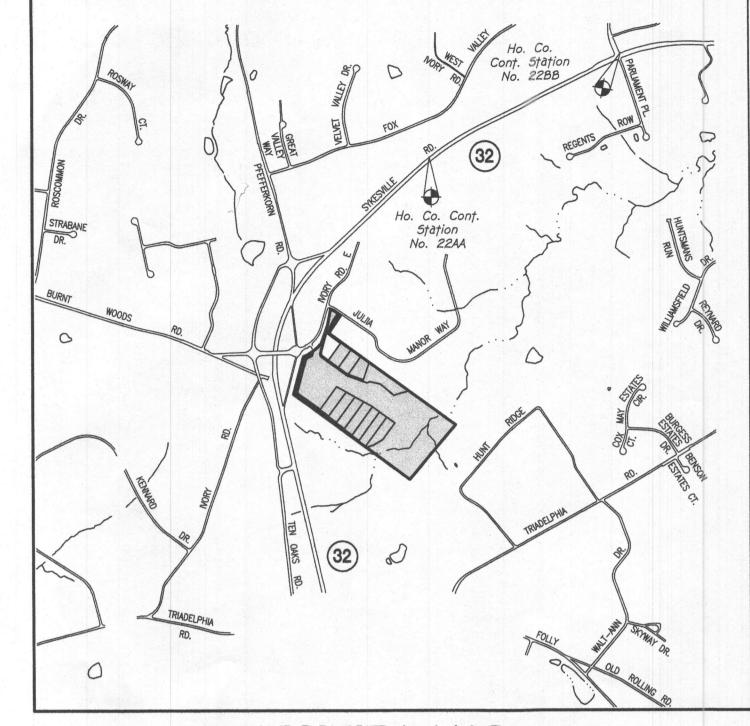




COLUMBIA, MD 21046 410-379-5956

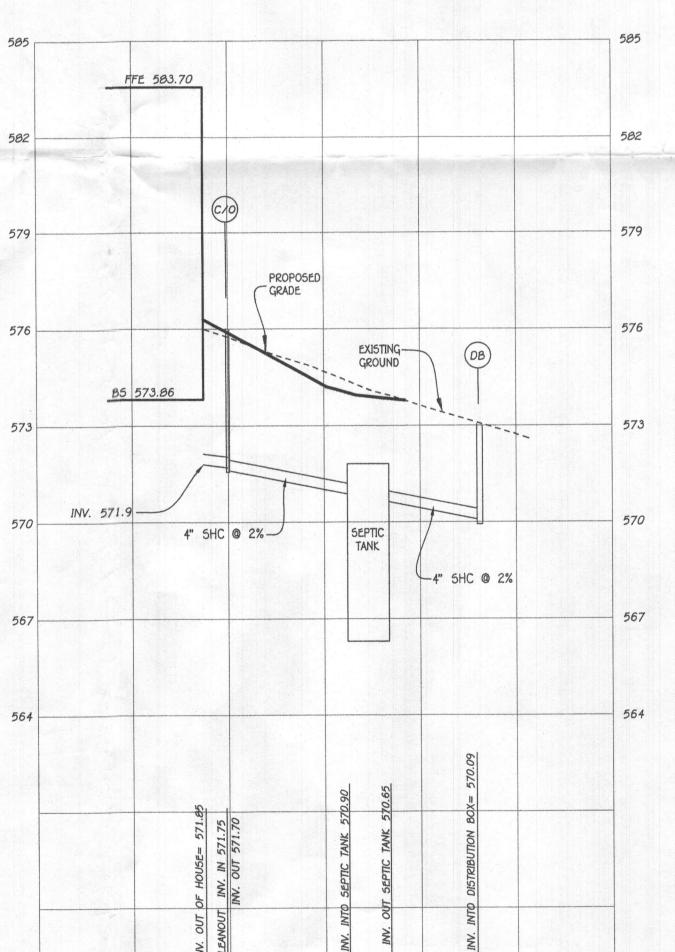






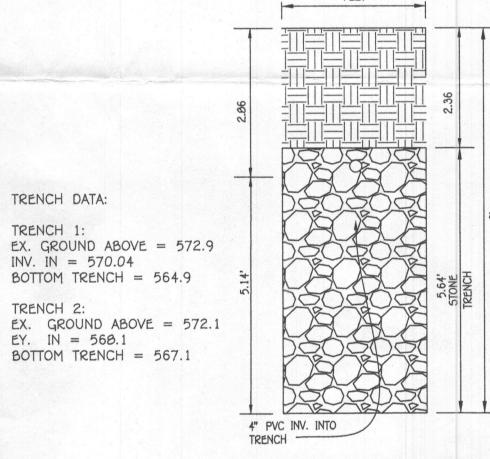
VICINITY MAP

SCALE: 1" = 1200'



SEPTIC PROFILE

FFE 583.70 BSE 573.86 INV. OUT OF HOUSE = 571.85 PROP. GROUND AT CLEANOUT = 574.6 INV. INTO CLEANOUT = 571.75 INV. OUT OF CLEANOUT = 571.70 EX. GROUND AT SEPTIC TANK = 574.0 PROP. GRADE ABOVE SEPTIC TANK = 574.0 TOP OF SEPTIC TANK = 571.90 INV. INTO SEPTIC TANK = 570.90 INV. OUT OF SEPTIC TANK = 570.65 EX. GROUND AT DISTRIBUTION BOX = 572.9 INV. INTO DISTRIBUTION BOX = 570.09 INV. OUT OF DISTRIBUTION BOX = 570.04



INITIAL SYSTEM (1)

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 3 FEET TRENCH DEPTH = 8 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 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+(2x5))=0.357TRENCH LENGTH = 208.33 5F x 0.357 = 74.38 FEET (2 TRENCHES 37.19) TRENCH SPACING = 2D+W = ((2*5) + 3) = 13' USE 13'

15T REPLACEMENT SYSTEM 2

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 3 FEET TRENCH DEPTH = 7 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 4 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+(2x4))=0.417TRENCH LENGTH = 312.5 5F x 0.417 = 130.00 FEET (3 TRENCHES AT 43.44) TRENCH SPACING = 2D+W = ((2*4) + 3) = 11' USE 11'

INITIAL TRENCH DETAIL

TRENCH WIDTH 3

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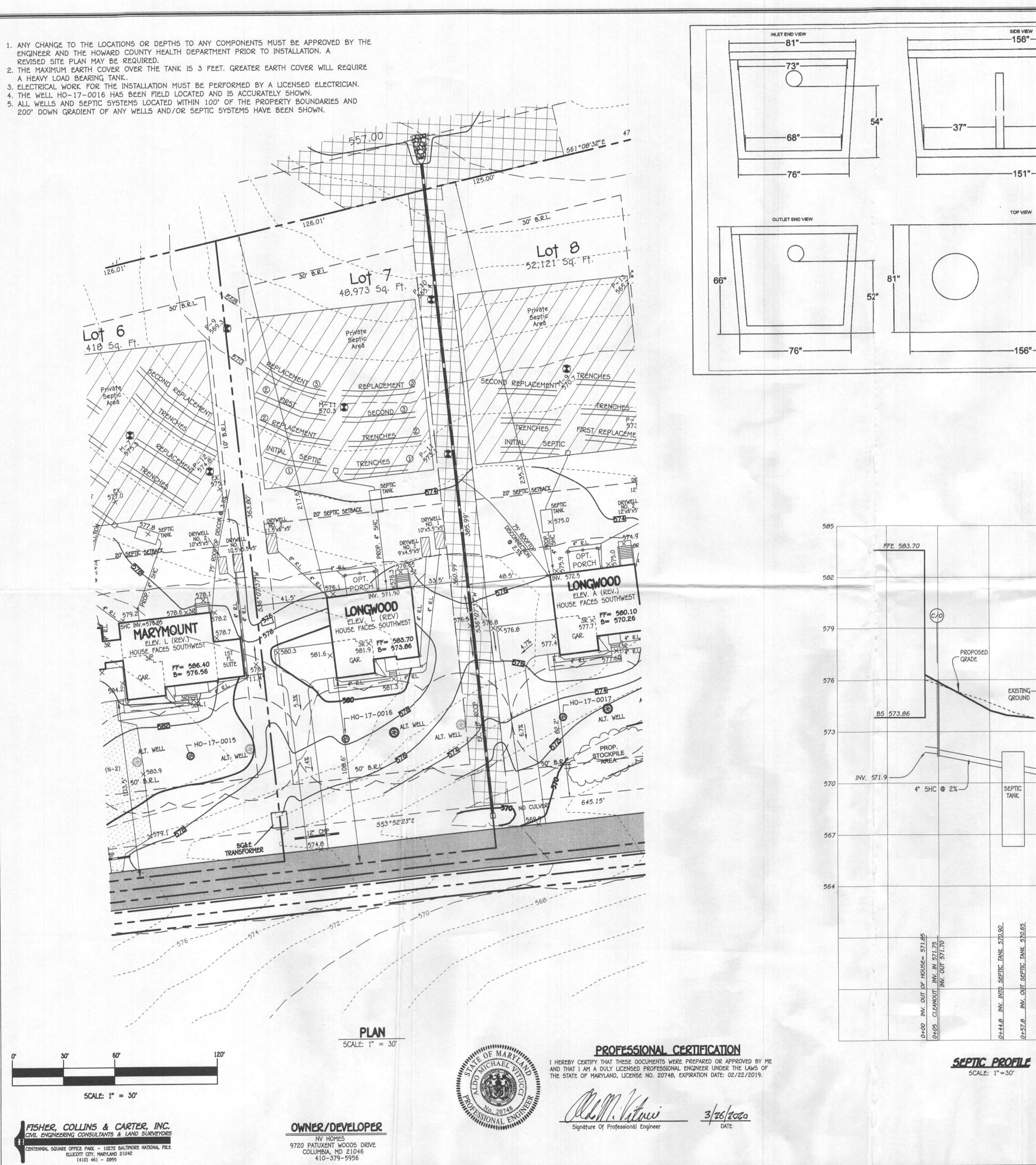
Howard County Health Department

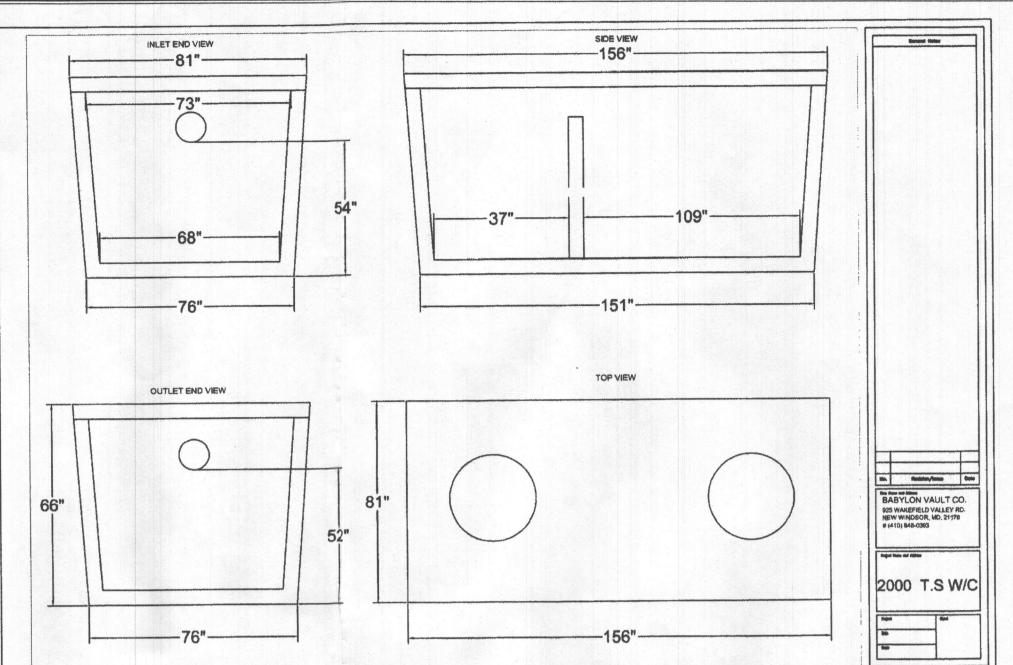
Hank Ossall 4/8/20

SEPTIC SYSTEM INSTALLATION SITE PLAN
BELVEDERE ESTATES

3639 PAUPERS FOLLY LANE

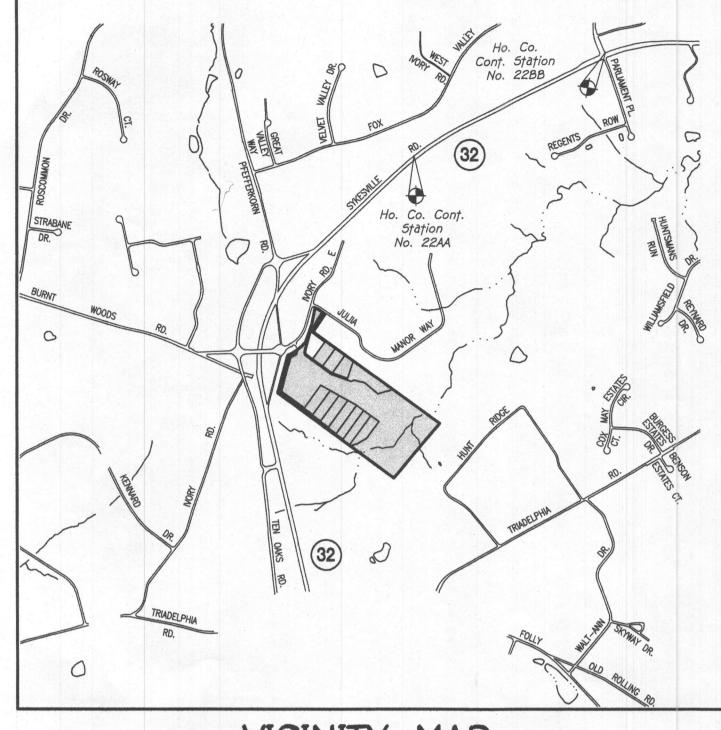
ZONED: RC-DEO TAX MAP NO .: 22 GRID NO .: 8 PARCELS NO .: 116 AND P\0 7 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: MARCH 24, 2020 SHEET 1 OF 1





OB

-4" 5HC @ 2%



VICINITY MAP

SCALE: 1" = 1200'

TRENCH DATA:

INV. IN = 570.04

EY. IN = 568.1

TRENCH 1:

TRENCH 2:

FFE 583.70 BSE 573.86 INV. OUT OF HOUSE = 571.85

PROP. GROUND AT CLEANOUT = 574.6

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TRENCH WIDTH 3
FEET EX. GROUND ABOVE = 572.9 BOTTOM TRENCH = 564.9 EX. GROUND ABOVE = 572.1 BOTTOM TRENCH = 567.1

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> SEPTIC SYSTEM INSTALLATION SITE PLAN BELVEDERE ESTATES LOT 7

3639 PAUPERS FOLLY LANE

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