



Howard County Health Department

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

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

RECEIPT DATE: 5/11/21

ONSITE SEWAGE DISPOSAL SYSTEM

P 569505

APPROVAL DATE: 06/14/2021

PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 3005 Skye Meadow Way

SUBDIVISION: Rover Mill Estates

LOT: 6

TAX ID: _____

CONTRACTOR: WTC CONTRACTORS, INC.

EMAIL: _____

CONTRACTOR ADDRESS: 3033 SALEM BOTTOM ROAD, WESTMINSTER, MD 21157

PHONE: 410-458-7024

PROPERTY OWNER: Security Development, LLC

EMAIL: _____

OWNER ADDRESS: 8480 Baltimore National Pike, Ellicott City, MD 21043

PHONE: 410-465-4244

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER: BABYLON

PUMP MODEL: _____

PUMP SIZE: 1500

PUMP TANK CAPACITY: 1500

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>144</u> <u>4 x 36</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>X 2'</u>	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</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: Dana Bernard

ISSUE DATE: 6-4-21

EXPIRATION DATE: 5-11-22

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 DOWNGRADE 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

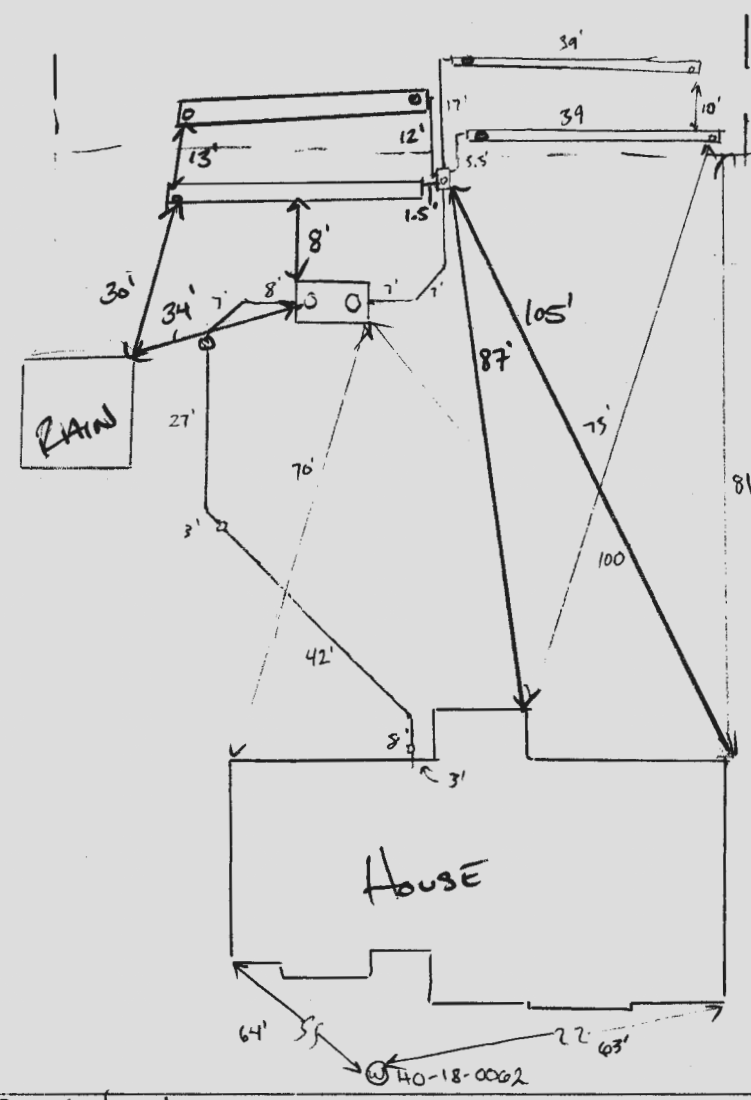
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.

1"=30'



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3'	6'
NUMBER OF TRENCHES	4	
TOTAL LENGTH	156'	
ABSORPTION AREA	312 SF + 2' SIDE WALL	
DISTRIBUTION BOX LEVEL	SPEED	
DISTRIBUTION BOX BAFFLE	YES	
DISTRIBUTION BOX PORT	YES	

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	top
TANK LID DEPTH	1.5'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	21-30-21

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	

6/8/21 - laid out according to OSDS plan - 2' wide trenches 4 trenches at 36' each, septic tank staked and shot w/ laser for slope will make fall w/ 1.5' - 2' of cover on tank. ok to continue. (P)

INSTALLATION: 6/9/21 SHC, sewer line and tank set Reinsp for baffles. (S)
6/10/21 Two trenches constructed, d-box set, inlet and outlet baffles added to tank (S)
06/14/2021 TRENCHES COMPLETE; MEETS SETBACKS TO RAIN LEADER. OK TO COVER. DBox LEVELED W/ SPEED LEVELS. (P)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 06/14/2021

LOT 3

LOT 2

LOT 1

SKYE MEADOW WAY
PRIVATE USE IN COMMON DRIVEWAY

24' PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR LOTS 2-7

EXISTING VARIABLE WIDTH PRIVATE SIGN EASEMENTS PLAT 25453

PFEFFORN ROAD
LOCAL PRIVATE ROAD
50' R/W

LOT 6
40,868 SF

85.7' ±

PROP. WELL

50' BRL

30' WELL RADIUS

38.2' ±

SEE DETAIL

14.0' ±

10' BRL

171.3' ±

EX. SEWAGE DISPOSAL AREA
PLAT NO. 25453

30' BRL

N12°19'02"E

123.06'

25' WETLAND BUFFER

100' STREAM BANK BUFFER

EX. NON-TIDAL WETLANDS

POURED CONCRETE FOUNDATION
T/W=532.3'

14.7' 1.3' 16.1' 1.3' 14.8' 8.2' 10.3' 4.0' 13.7' 2.0' 8.0' 33.7' 21.6' 2.0' 10.3' 8.0' 14.7' 8.0'

DETAIL
NOT TO SCALE

Wall Check OK 6-4-21

LOT 7

MARYLAND STATE GRID MERIDIAN (NAD83/91)

85.7' ±

305.78'

S07°47'19"W

175.08'

N07°47'19"E

4.80'

N81°32'48"W

238.78'

N86°19'08"W


30.00'

S84°05'14"W

40.94'

N67°22'03"W

STATE OF MARYLAND
ERICK R. QUINTANA, JR.
PROFESSIONAL LAND SURVEYOR
21408
11/18/2020

SCALE 1"= 50'	DATE 11/13/2020	VOGEL ENGINEERING  TIMMONS GROUP 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com	WALL CHECK DRAWING 3005 SKYE MEADOW WAY LOT 6 ROVER MILL ESTATES PLAT NO. 25453 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY B.W.J.	CHECKED BY E.R.Q.		PLAT NUMBER 25453-25454

GENERAL NOTES:

1. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM FIELD RUN SURVEY WITH 2' CONTOUR INTERVALS PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED OCTOBER 2017. INFORMATION IS SUPPLEMENTED WITH HOWARD COUNTY GIS DATA.
2. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
3. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITH 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
5. 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.
6. THE MAXIMUM EARTH COVER OVER THE TANK IS THREE FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.

SYSTEM CALCULATIONS:

INITIAL SYSTEM:

- 4 BEDROOMS AT 600gpd / 1.2 ABSORPTION RATE = 500 SQ. FT.
500 SQ. FT. / 2 (TRENCH WIDTH) x .57 (SIDEWALL REDUCTION) = 143 LINEAR FEET
144 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.
(4 TRENCHES OF 36 FEET IN LENGTH)

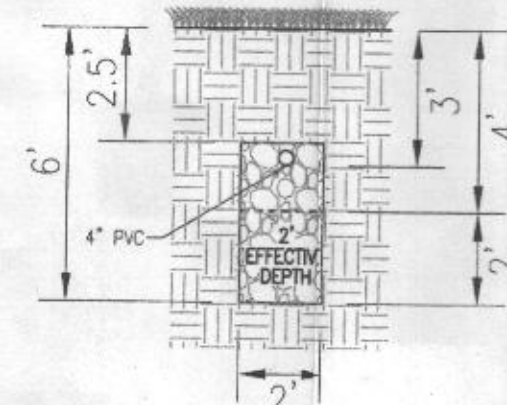
FIRST REPLACEMENT SYSTEM:

- 4 BEDROOMS AT 600gpd / 1.2 ABSORPTION RATE = 500 SQ. FT.
500 SQ. FT. / 3 (TRENCH WIDTH) x .63 (SIDEWALL REDUCTION) = 105 LINEAR FEET
106 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.
(2 TRENCHES OF 53 FEET IN LENGTH)

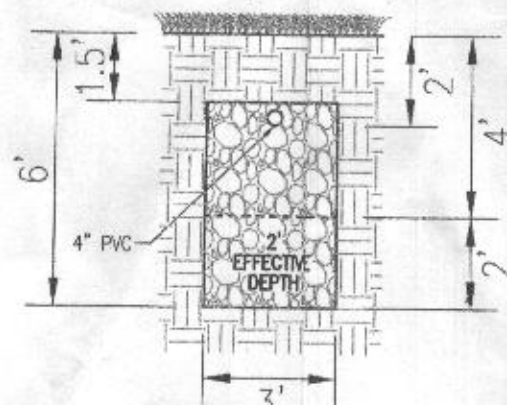
SECOND REPLACEMENT SYSTEM:

- 4 BEDROOMS AT 600gpd / 1.2 ABSORPTION RATE = 500 SQ. FT.
500 SQ. FT. / 3 (TRENCH WIDTH) x .56 (SIDEWALL REDUCTION) = 93 LINEAR FEET
94 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.
(2 TRENCHES OF 47 FEET IN LENGTH)

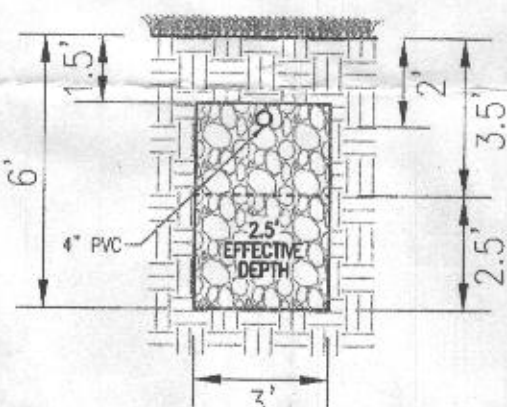
TRENCH	TRENCH W/INTO BOTTOM OF TRENCH	EXISTING GROUND
1	36' 51.48	514.48
2	36' 51.49	514.49
3	36' 51.49	514.49
4	36' 51.31	513.31



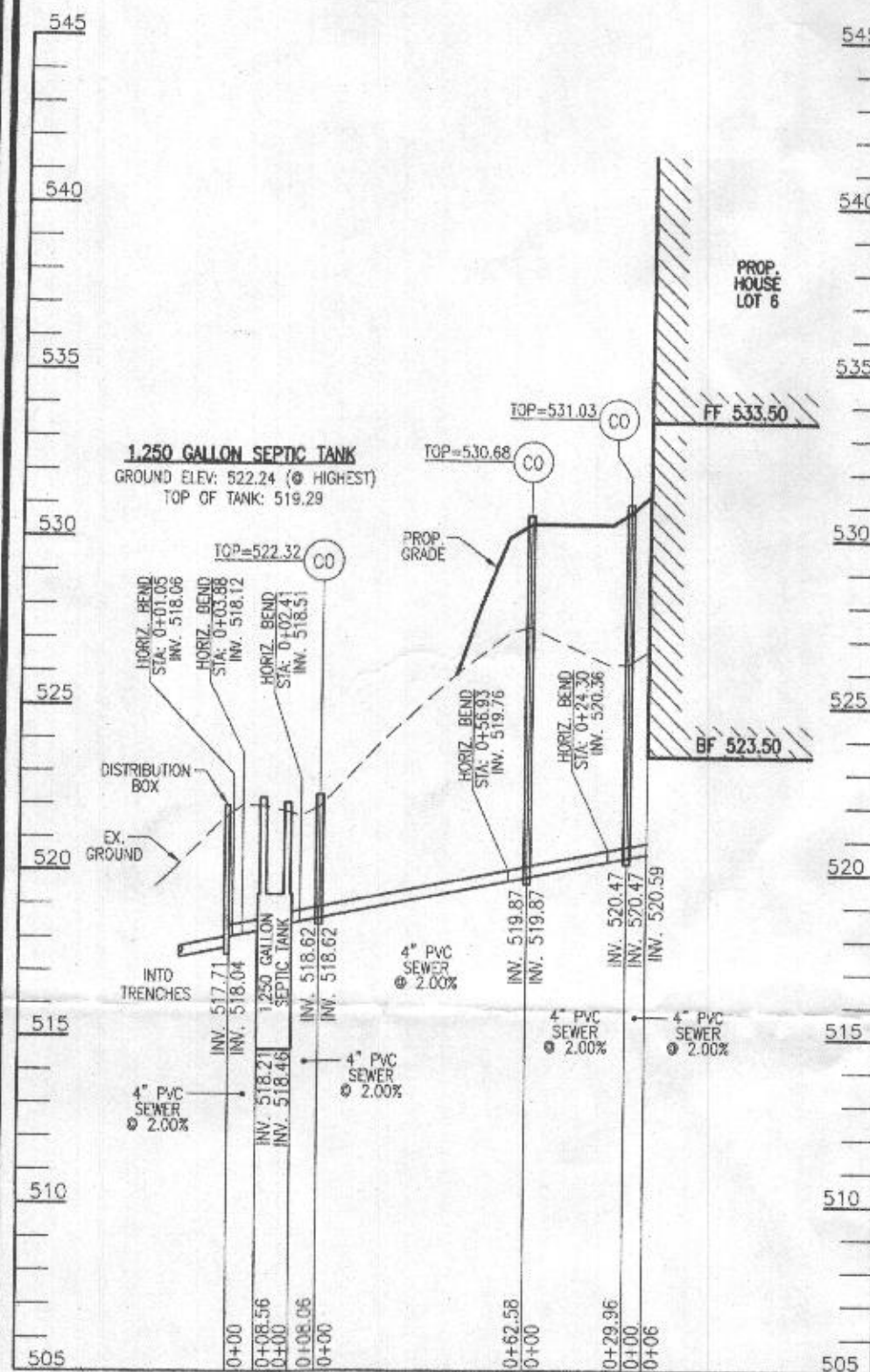
INITIAL SYSTEM
TRENCH DETAIL
NOT TO SCALE



FIRST REPLACEMENT SYSTEM
TRENCH DETAIL
NOT TO SCALE

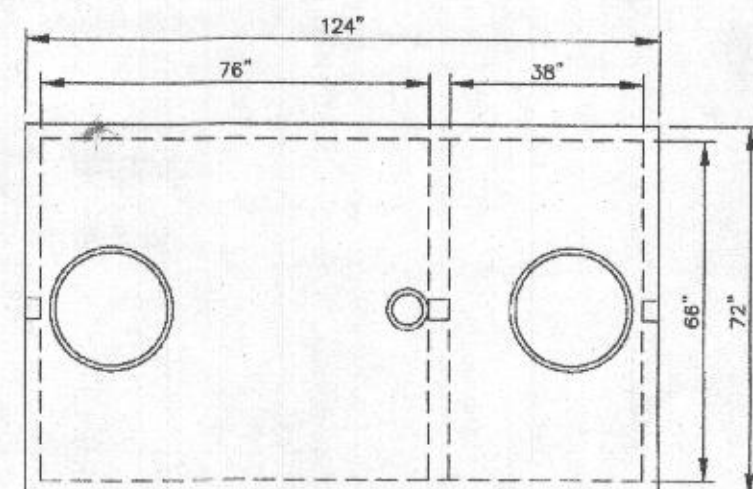


SECOND REPLACEMENT SYSTEM
TRENCH DETAIL
NOT TO SCALE

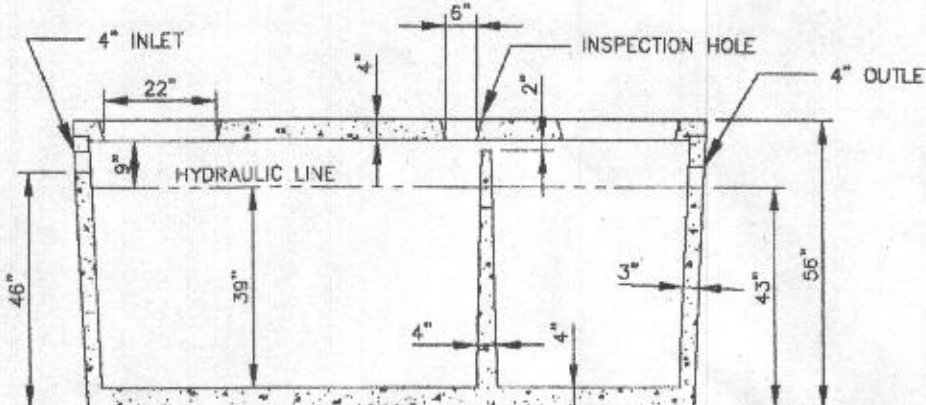


SEPTIC SYSTEM PROFILE

SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



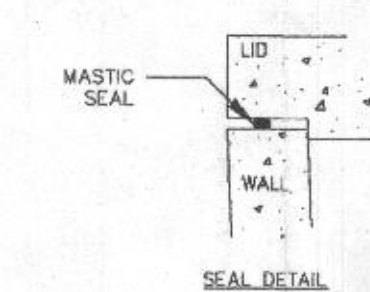
PLAN VIEW



SECTION VIEW

SPECIFICATIONS:

- 5000PSI WITH SUPER PLASTICIZER
- BOTTOM AND SIDES ARE REINFORCED WITH 6X8X10 GAUGE WIRE
- TOP IS REINFORCED WITH 1/2" GRADE 60 REBAR ON 12" CENTERS
- POLYLOK III PRESSURE RATED RUBBER SEALS AVAILABLE UPON REQUEST



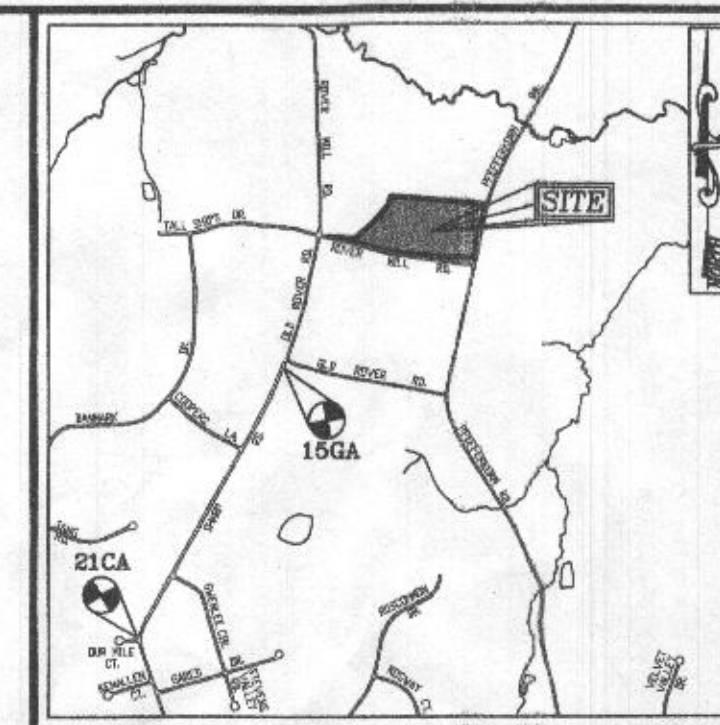
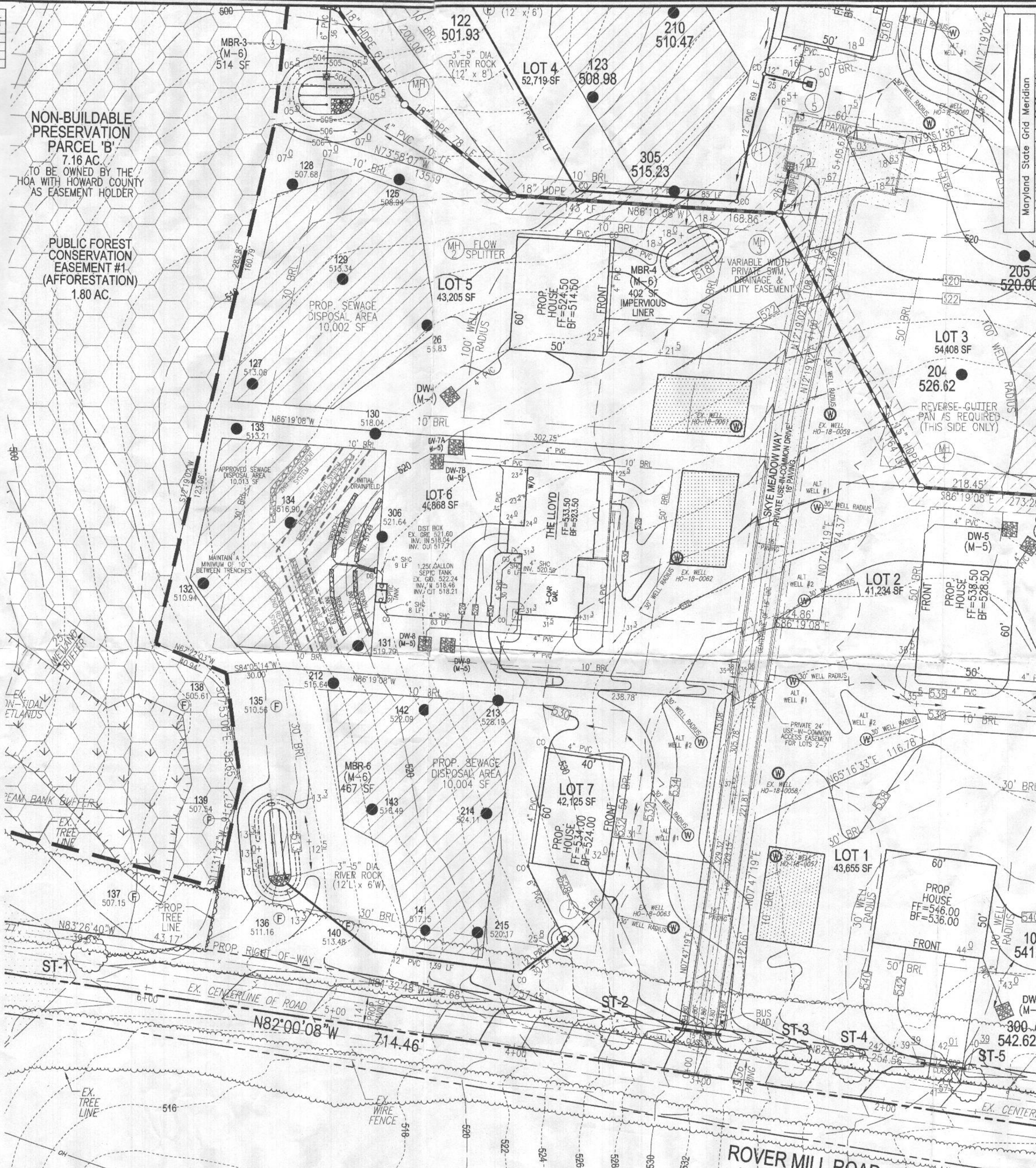
MASTIC SEAL
LID
WALL
SEAL DETAIL

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Maryland Concrete Inc.
1250 GALLON 2 COMPARTMENT
SEPTIC TANK

NON-BUILDABLE
PRESERVATION
PARCEL 'B'
7.16 AC.
TO BE OWNED BY THE
HOA WITH HOWARD COUNTY
AS EASEMENT HOLDER

PUBLIC FOREST
CONSERVATION
EASEMENT #1
(AFFORESTATION)
1.80 AC.



VICINITY MAP

SCALE: 1"=2000'
ADC MAP: PAGE: 17 BLOCK: D4 & E4

BENCHMARKS

HOWARD COUNTY BENCHMARK 15GA (CONC. MON.)
N 591743.48 E 1312790.80 ELEV. 587.64
LOCATION: NEAR NORTH END OF SHARP ROAD
(CUL DE SAC)
HOWARD COUNTY BENCHMARK 21CA (CONC. MON.)
N 588897.36 E 1311235.79 ELEV. 612.60
LOCATION: CORNER OF SHARP RD. & OUR MILE CT.

LEGEND:

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
- EXISTING EDGE OF PAVING
- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING WETLANDS
- EXISTING WETLAND BUFFER
- PUBLIC 100-YEAR FLOODPLAIN, DRAINAGE & UTILITY EASEMENT
- PUBLIC FOREST CONSERVATION EASEMENT (AFFORESTATION)
- EXISTING METAL FENCE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- APPROVED SEWAGE DISPOSAL AREA
- APPROVED WELL AREA
- EXISTING WELL LOCATION
- ALTERNATE WELL LOCATION
- PASSED PERC. TEST
- FAILED PERC. TEST

Approved Septic System Plan
Howard County Health Department
Rama Bernard 6-5-20
Signature Date
4 Bedroom Only

OWNER: SECURITY DEVELOPMENT, LLC
8480 BALTIMORE NATIONAL PIKE, SUITE 415
ELLCOTT CITY, MD 21104
(410) 465-4244

BUILDER: CATONSVILLE HOMES
11175 STRATFIELD COURT
MARRIOTTVILLE, MD 21104
(410) 469-7500

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

ROVER MILL ESTATES - LOT 6
3005 SKYE MEADOW WAY
WEST FRIENDSHIP, MD 21794

PARCEL: 189
TAX MAP: 15 GRD: 14
3RD ELECTION DISTRICT

ZONED: RR-DEO
L 19082 / F. 490
HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING

TIMMONS GROUP

3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21104
P: 410.461.7666 F: 410.461.8951 www.timmons.com