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
Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 7/28/2020 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567917

APPROVAL DATE: 10/1/20 KR **PERMIT: CONSTRUCTION** A

PROPERTY ADDRESS: **15457 Rivercrest Ct.**

SUBDIVISION: **Rivercrest** LOT: **12** TAX ID: 04373383

CONTRACTOR: Hatfields EMAIL:

CONTRACTOR ADDRESS: PHONE:

PROPERTY OWNER: **Roxbury Farm , LLC C/O Columbia Developers** EMAIL:

OWNER ADDRESS: **6420 Autumn Sky Way Columbia, MD** PHONE: **410-730-3940**

SEPTIC TANK SIZE (GALLONS): **2000** TANK MANUFACTURER: **Babylon Vault**

PUMP MODEL: **N/A** PUMP SIZE **N/A** PUMP TANK CAPACITY: **N/A**

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: **5** APPLICATION RATE: **1.2**

TRENCHES:	LINEAR FEET REQUIRED: 105	INLET DEPTH: **2.5**	
	TRENCH WIDTH: 3	MAXIMUM BOTTOM DEPTH: **7**	
	MINIMUM SPACE BETWEEN TRENCHES: 10	EFFECTIVE AREA BEGINNING DEPTH: **4**	
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: 7/28/2020 EXPIRATION DATE: 7/28/2021

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 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 4/0

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.

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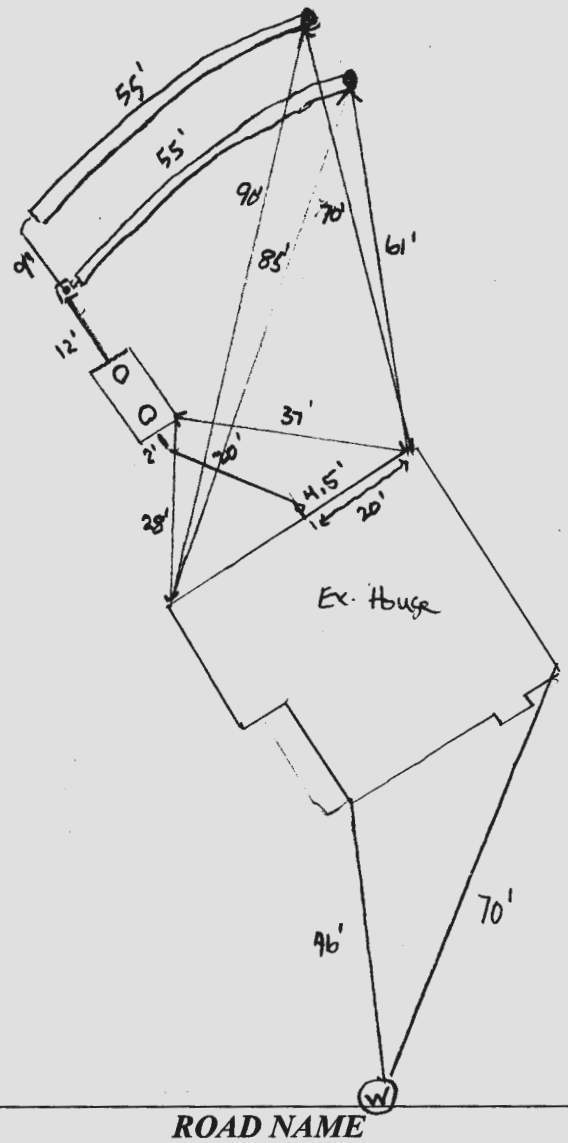
NOT TO SCALE



ROAD NAME
Rivercrest Ct.

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2.5'	7'

NUMBER OF TRENCHES 2
TOTAL LENGTH 110'
ABSORPTION AREA 330' + sidewall
DISTRIBUTION BOX LEVEL yes
DISTRIBUTION BOX BAFFLE yes
DISTRIBUTION BOX PORT yes

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes
MANUFACTURER Babylon
CAPACITY 2000 GAL
SEAM LOC top
TANK LID DEPTH 2.5'
BAFFLES 6" front / 4" back
BAFFLE FILTER –
MANHOLE LOC front / back
6" PORT LOC –
WATERTIGHT TEST –
SLOTTED yes
DATE ON LID 8/14/20

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

9/28/2020 Laid out 2 × 55' trenches on contour according to plan. Contractor may move septic tank 8' closer to d-box because of ledge rock. Still outside of well arc. (87)

INSTALLATION: 10/1/20 - installation complete sewer line bedded w/ 57 stone, baffles good, trenches have a little extra footage @ 55' each, fabric in place, stone ok, observation ports in place, levelers in dbox good OK to backfill - (RR)

FINAL INSPECTOR R. Rappaport. DATE OF APPROVAL 10/1/2020.

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7) BUILDING PERMIT NUMBER: B-20001420

Legend

- Existing 24' Wide Private Use-In-Common Access, Driveway Access And Utility Easement Across Lots 5, 6, 11 And 12 For The Use And Benefit Of Lots 5, 6, 11 And 12 And Buildable Preservation Parcel 'A' (Plat Nos. 18208 Thru 18210 And Liber 9953 At Folio 558) Removed By Recordation Of This Plat
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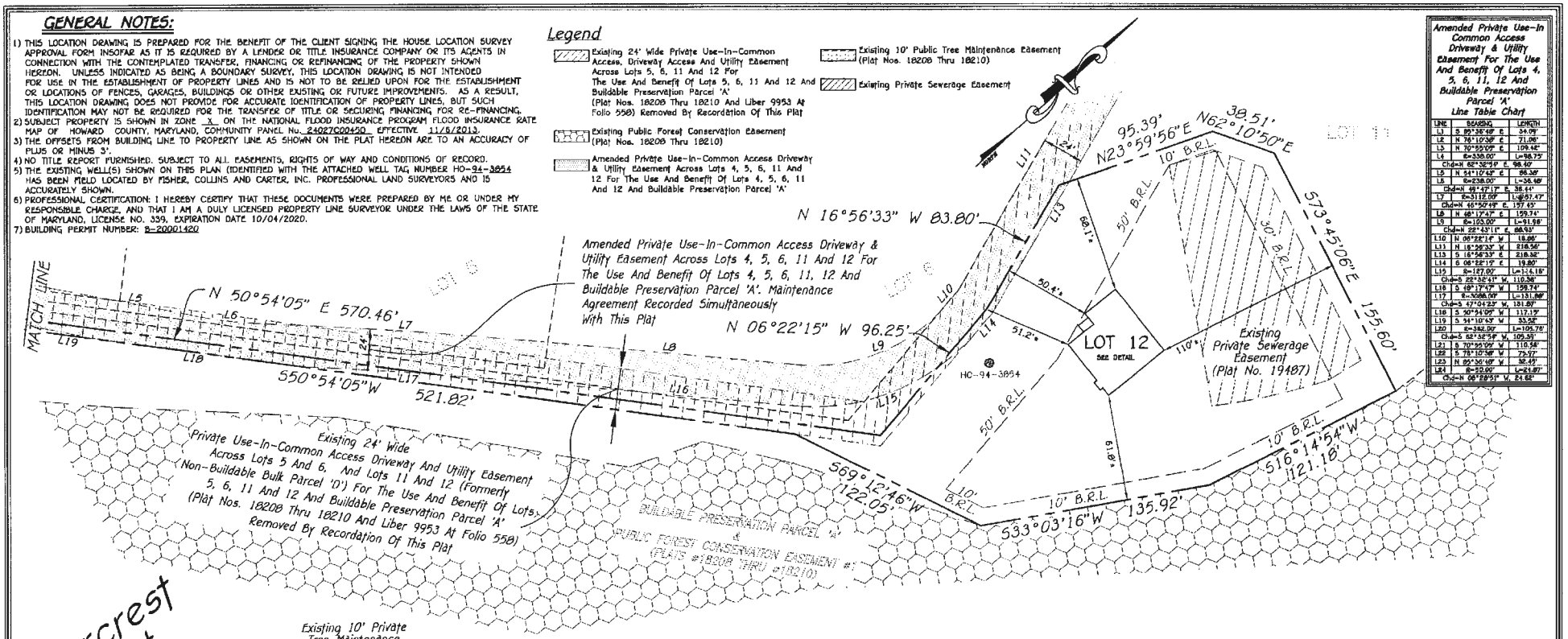

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L18	S 50°54'05" W	117.13'
L19	S 54°10'53" W	53.52'
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L21	S 70°55'05" W	110.58'
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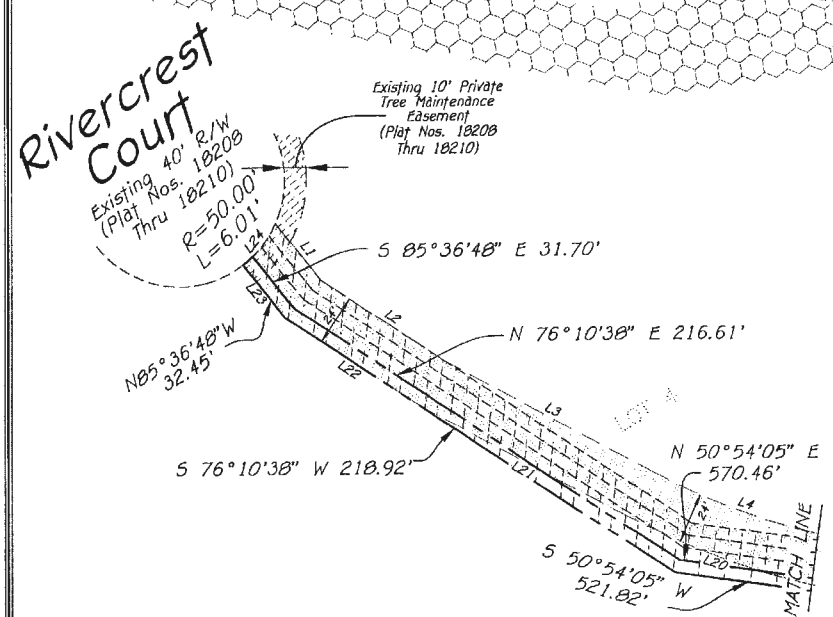

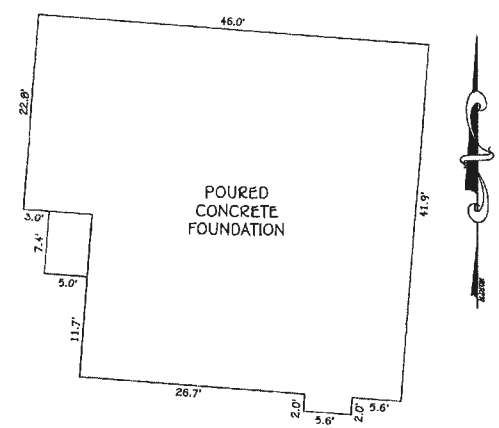

DETAIL:
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FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

#15457 RIVERCREST COURT
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEVATION = 408.7'±

STATE OF MARYLAND — MARK L. MOLL — No. 339 — PROPERTY LINE SURVEYOR

Mark L. Moll 7/09/20
PROPERTY LINE SURVEYOR DATE
REG. #

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6/26/20
FINAL LOCATION:
BOUNDARY SURVEY:

SCALE: 1"=40'
DATE: 7/9/2020
DRAWN BY: MD
CHECKED BY: MLR
PROJECT No. 30636-2001

PLAT OF REVISION
LOT 12
RIVERCREST
LOTS 4, 5, 6, 11 AND 12
PLATS #24723 THRU #24725
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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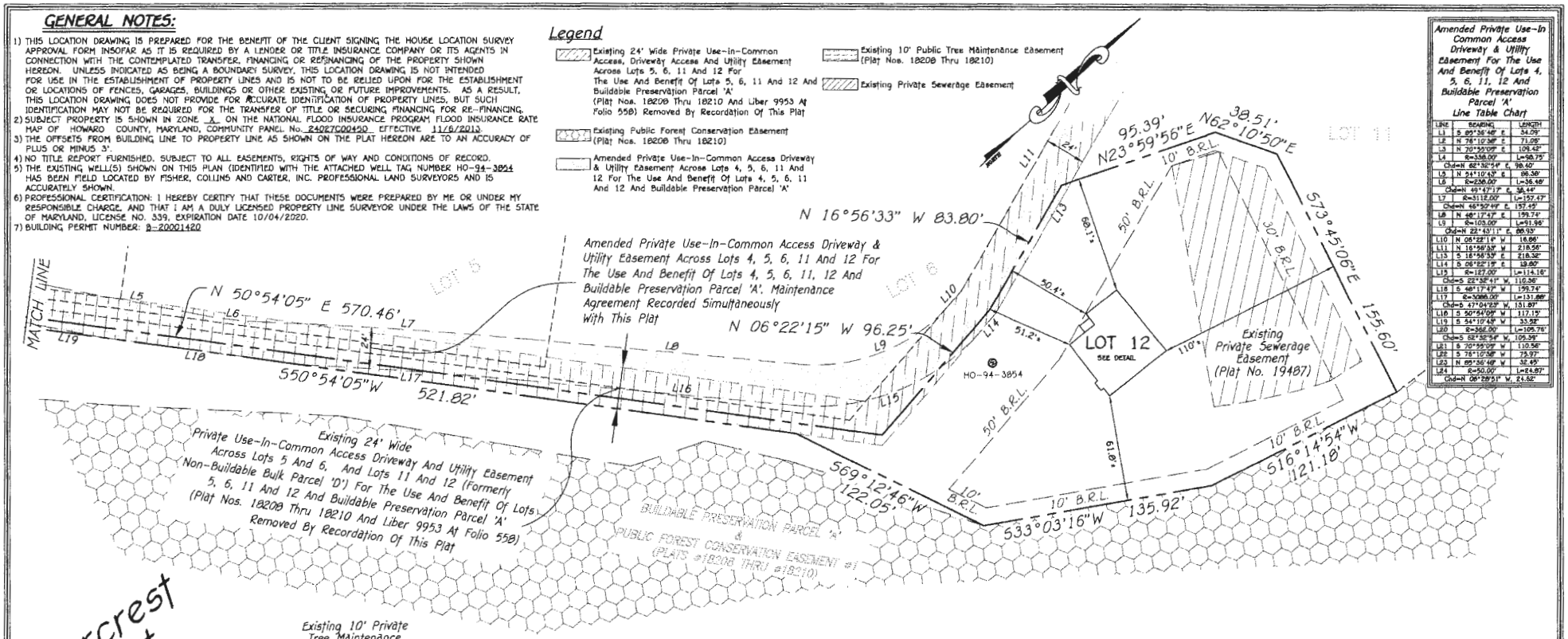

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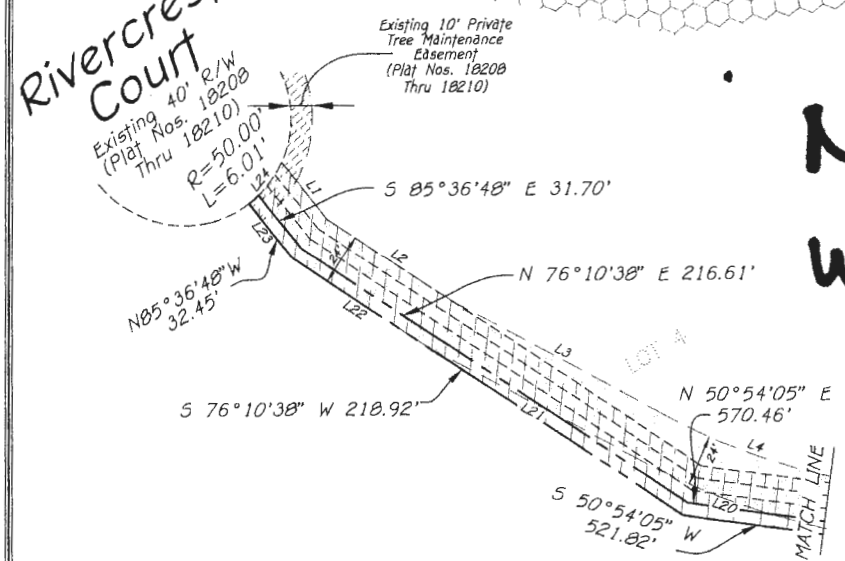
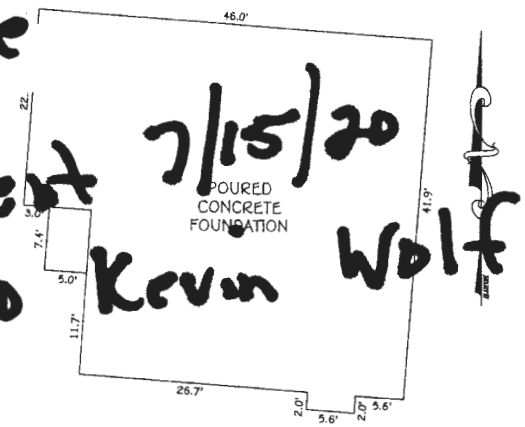


Not to scale
Will check sent 7/15/20
by email to Kevin Wolf



DETAIL:
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STATE OF MARYLAND
MARK L. ROBEL
No. 338
PROPERTY LINE SURVEYOR

Mark L. Robel 7/09/20
PROPERTY LINE SURVEYOR DATE
REG. #

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FINAL LOCATION: _____
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SCALE: 1"=40'
DATE: 7/9/2020
DRAWN BY: MD
CHECKED BY: MLR
PROJECT No.: 30636-2001

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LOT 12
RIVERCREST
LOTS 4, 5, 6, 11 AND 12
PLATS #24723 THRU #24725
FOURTH ELECTION DISTRICT
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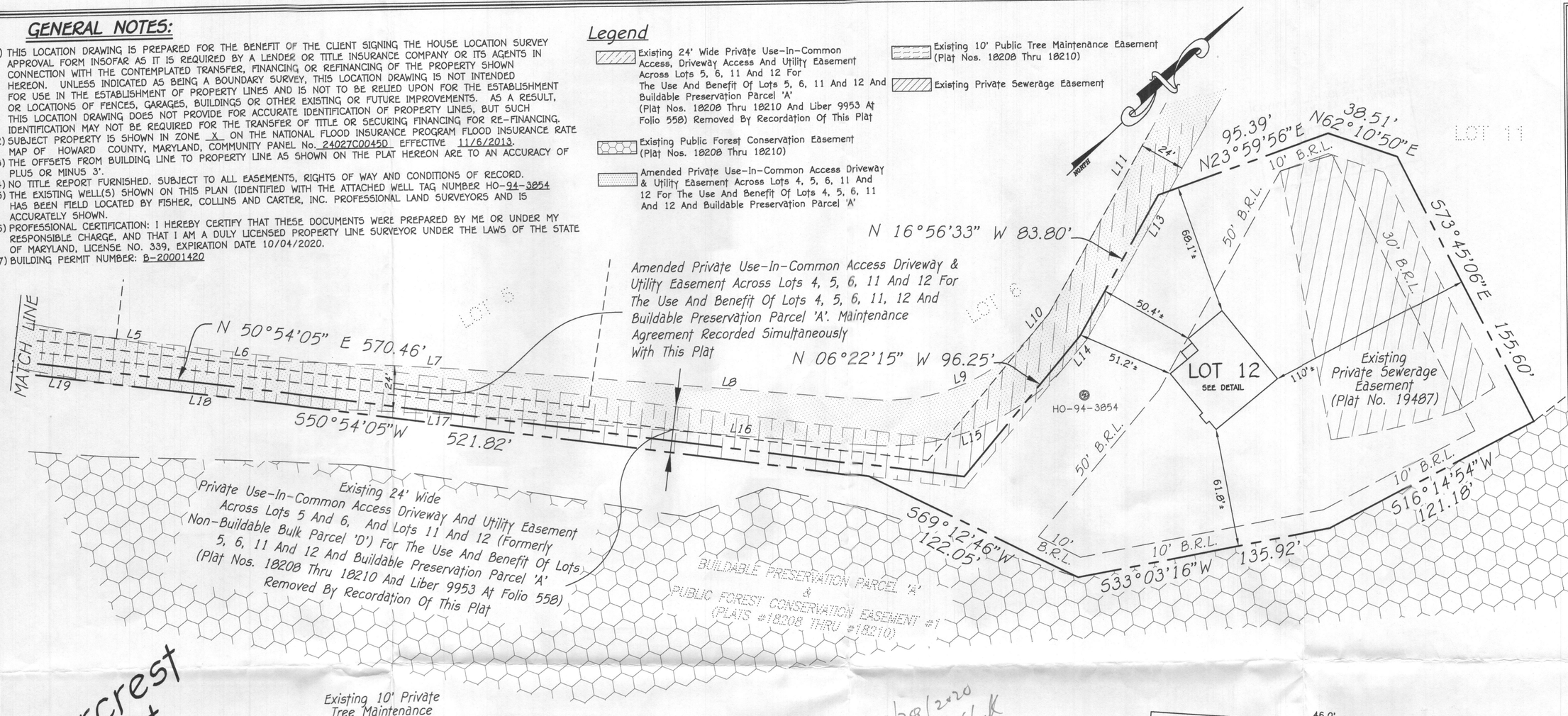

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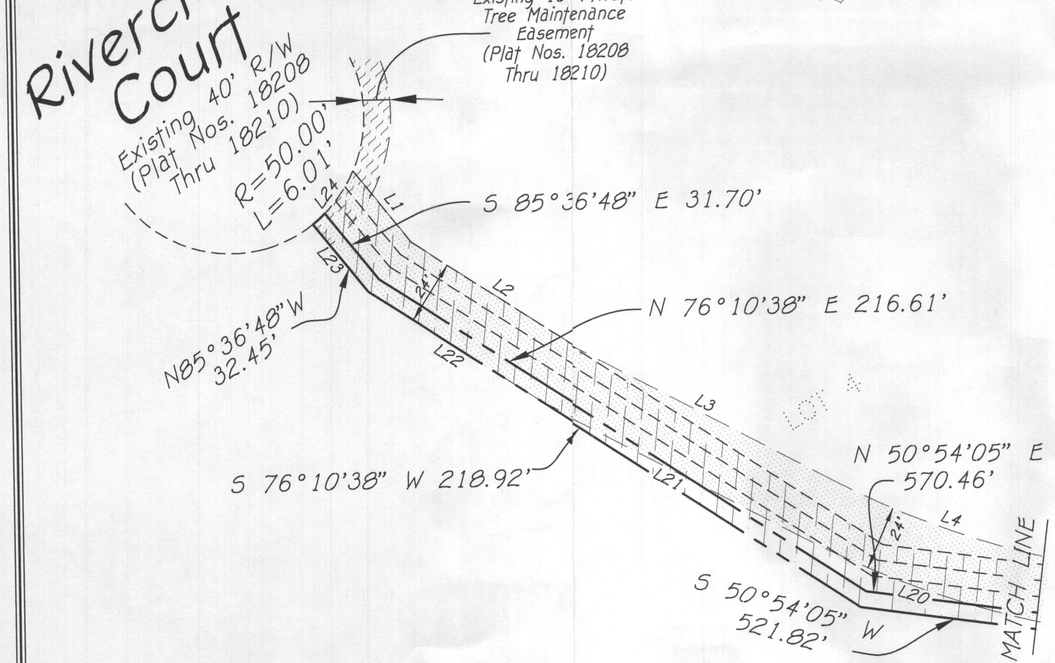
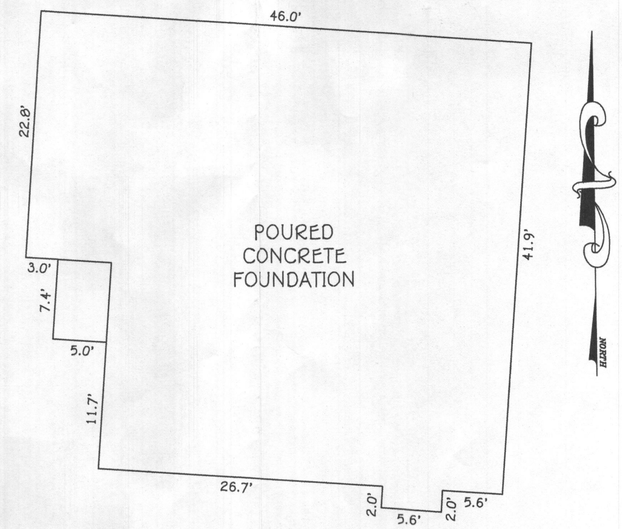


7/28/2020
Wall Check
Approved
TKW



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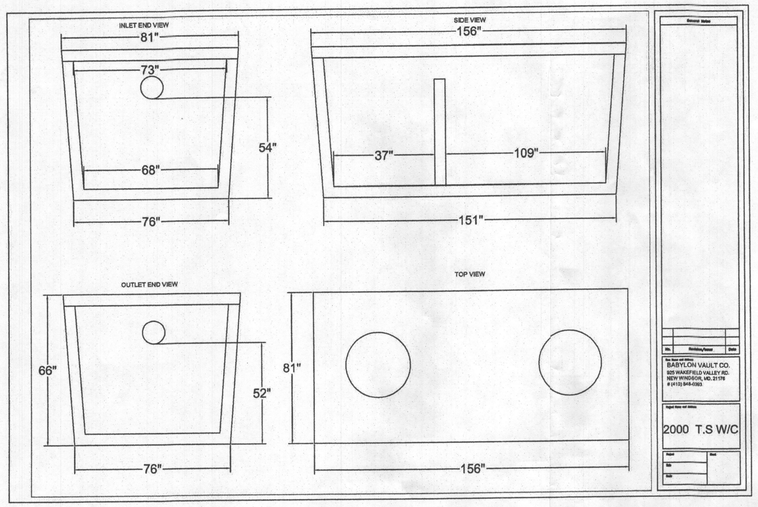
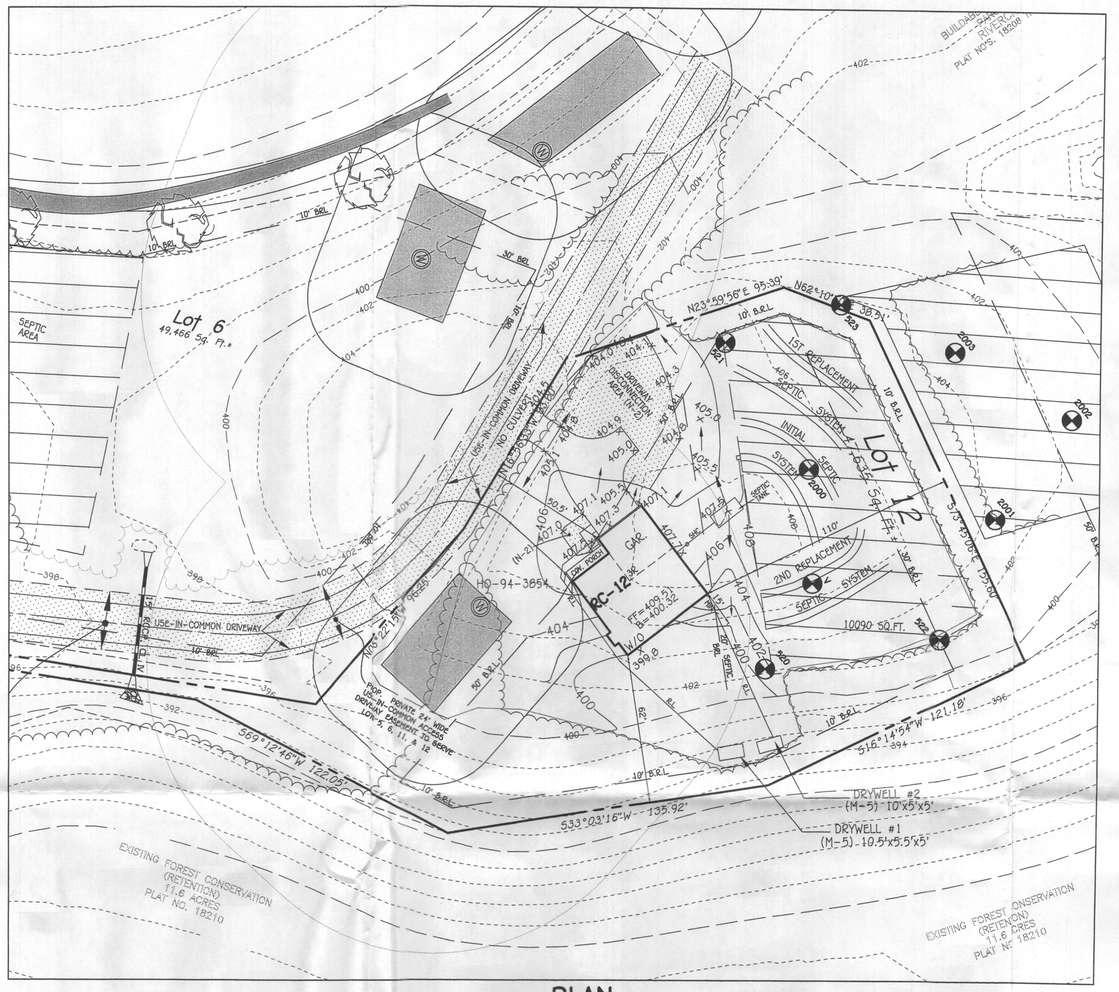
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

#15457 RIVERCREST COURT
B.R.L. = BULDING RESTRICTION LINE
TOP OF FOUNDATION ELEVATION = 408.7'±

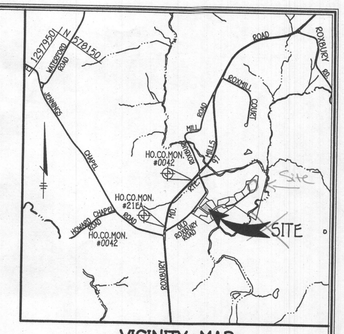
K:\SDSKPROJ\30636 BUICE NAD 83\dwg\30636-2001 HL LOT 12.dwg, 7/14/2020 10:28:00 AM, \\SRV1.fcc-eng.local\HP PageWide XL 5000 HPGL2, 1:1





PLAN

SCALE: 1" = 30'



VICINITY MAP

SCALE: 1" = 2000'

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
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FFE 409.51
BSE 400.32
INV. OUT OF HOUSE = 406.12
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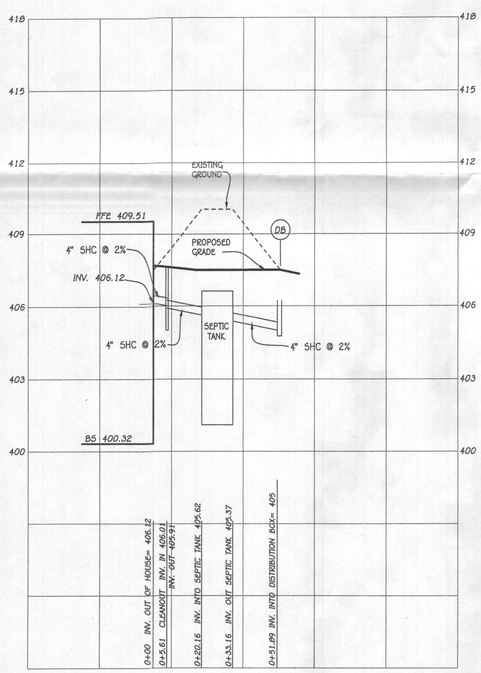

SEPTIC PROFILE

SCALE: 1"=30'

INITIAL SYSTEM

SEWAGE DISPOSAL SYSTEM DATA. DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)

LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
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COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x3))=0.50
TRENCH LENGTH = 208.33 SF x 0.50 = 104.17 FEET
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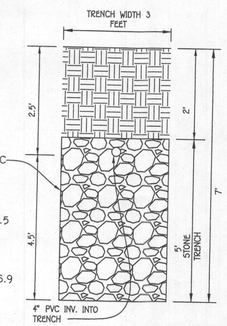

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INITIAL TRENCH DETAIL

SCALE : 1"=2'

Approved Septic System Plan
Howard County Health Department
Signature 3/3/2020 Date

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: 02/22/2020

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Signature Of Professional Engineer 2/12/2019 DATE

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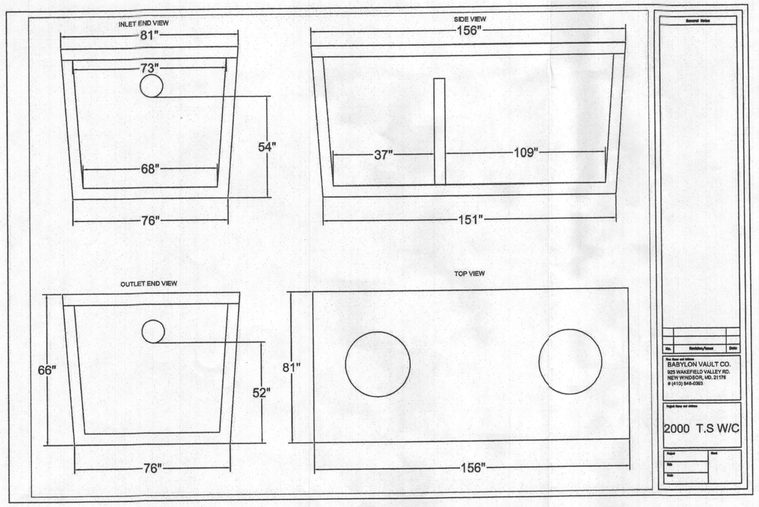
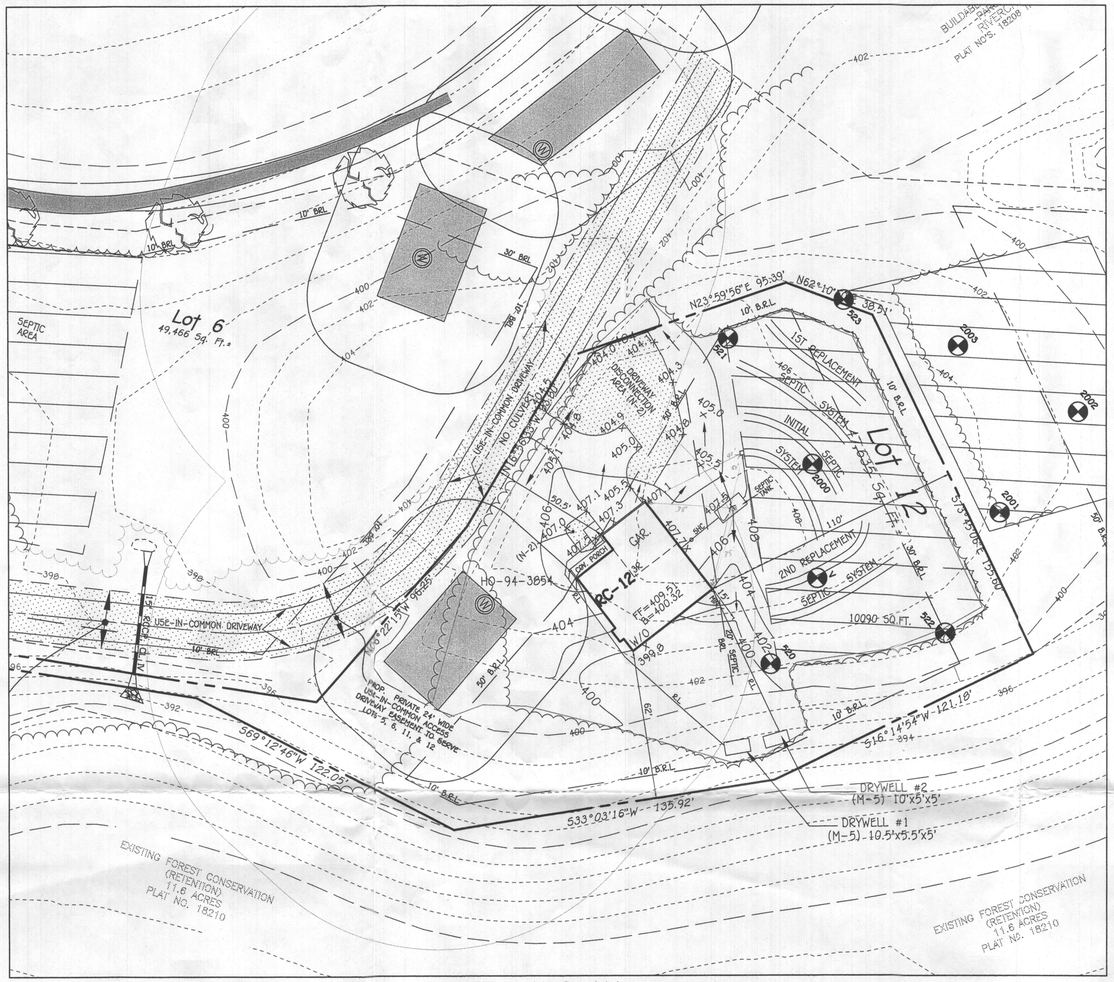
SEPTIC SYSTEM INSTALLATION SITE PLAN
RIVERCREST
LOT 12
15457 RIVERCREST COURT

ZONED: RC-DEO PLAT NO.: 24723 THRU 24725
TAX MAP NO.: 21 GRID NO.: 20 PARCEL NO.: 270
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: JAN. 24, 2020

SHEET 1 OF 1





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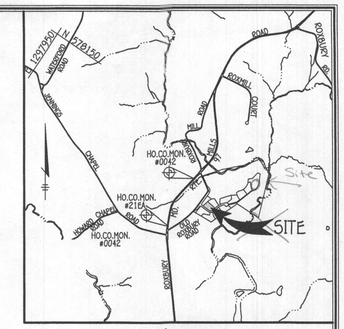

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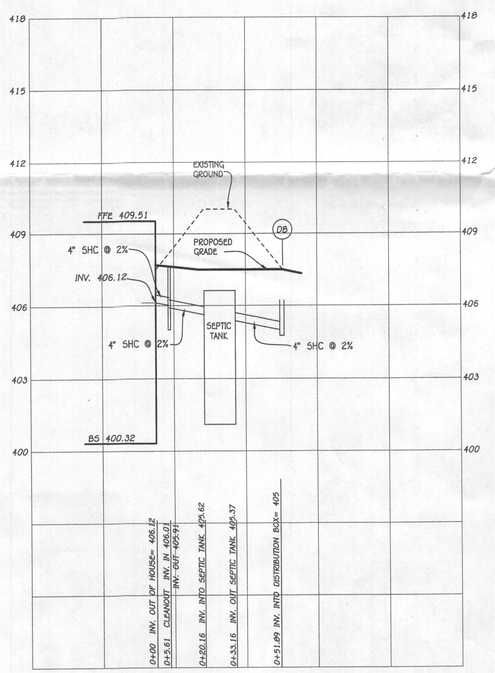

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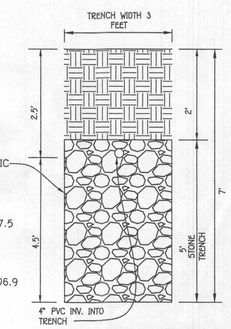

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INITIAL TRENCH DETAIL

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Howard County Health Department
Signature 3/3/2020 Date

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STATE OF MARYLAND · ALDO MICHAEL VITTUCCI · No. 20748 · PROFESSIONAL ENGINEER

Signature Of Professional Engineer — DATE 2/12/2020

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SEPTIC SYSTEM INSTALLATION SITE PLAN
RIVERCREST
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ZONED: RC-DEO — PLAT NO.: 24723 THRU 24725
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SHEET 1 OF 1

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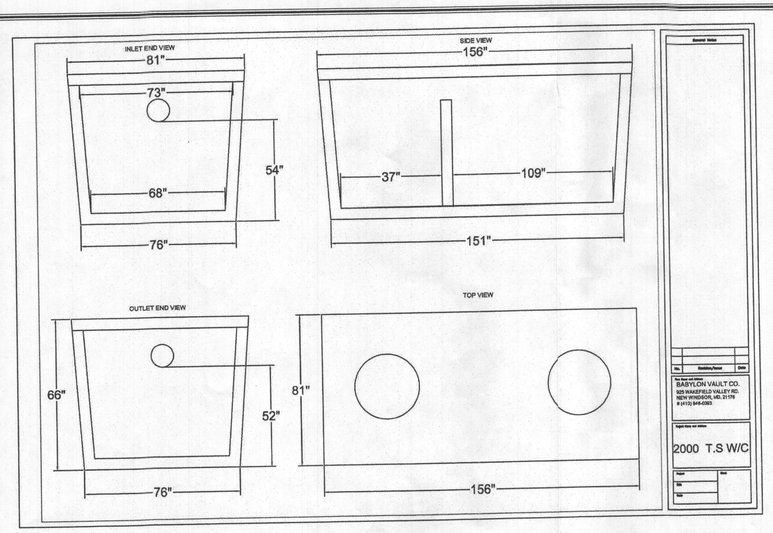

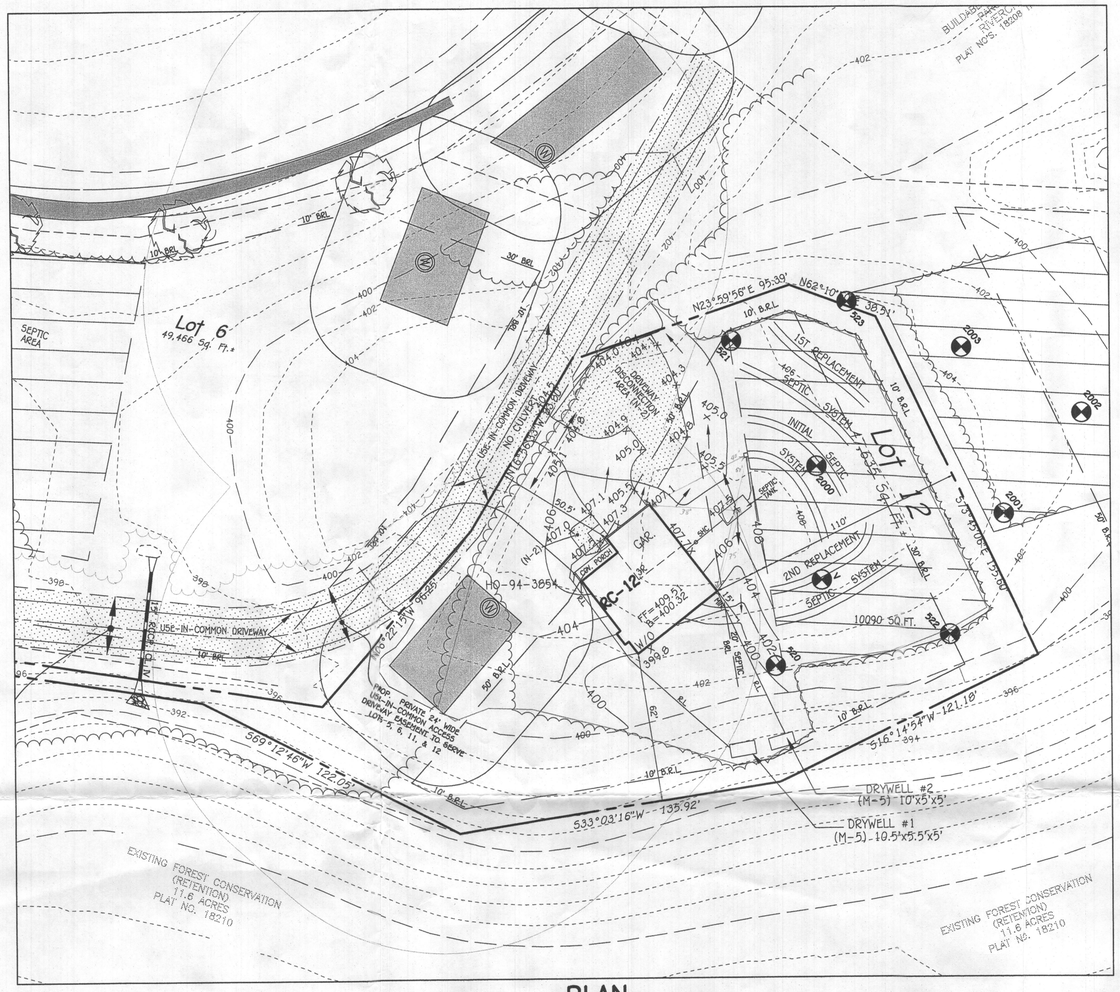

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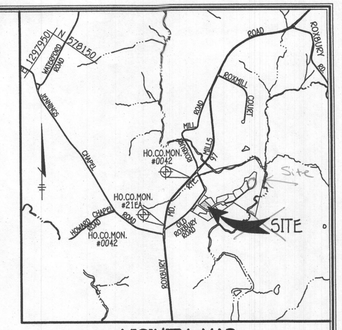

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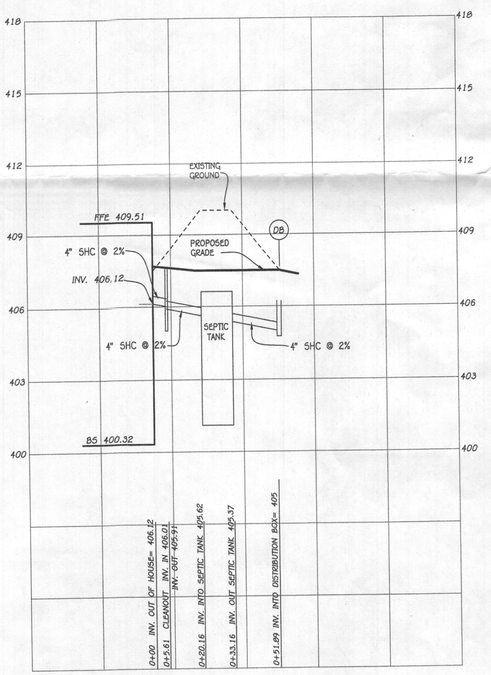

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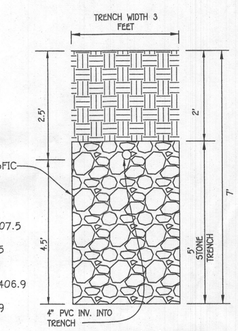

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