



**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: 4/26/18 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 562975

APPROVAL DATE: 6/29/18 SEC **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 12793 Frederick Road

SUBDIVISION: Hudson Property LOT: 4 TAX ID: 03-316696

CONTRACTOR: Bill Ingram/ Farm and Home Excavating EMAIL: _____

CONTRACTOR ADDRESS: 901 Driver Road, Marriottsville, MD 21104 PHONE: 410-984-0189

PROPERTY OWNER: Solomon & Kanwulia Iyamu EMAIL: _____

OWNER ADDRESS: 3516 Carriage Walk Lane PHONE: _____

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Babylon Vault

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

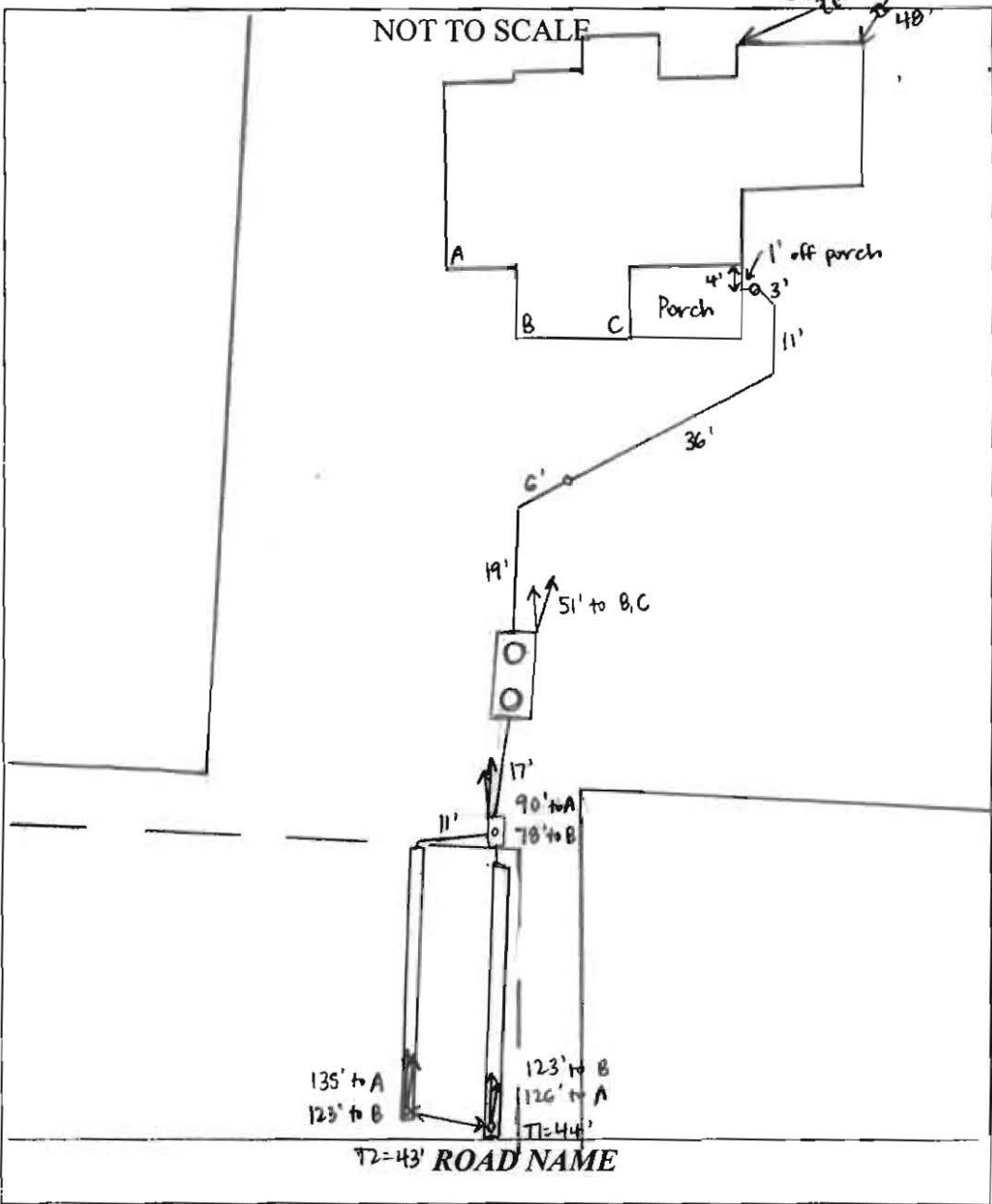
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>80</u>	INLET DEPTH: <u>3.5</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</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: Robert Freedom ISSUE DATE: 4/26/18 EXPIRATION DATE: 4/26/19

- 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 _____
- 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
2	3.5'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		87'
ABSORPTION AREA		174' SIDENALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	1-2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT - REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	4-15-18

~~**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:

6/5/18 Met Bill Ingram on site for layout. Tank offset stakes present. Some septic corner stakes present, but correspond to LOD and not SDA. Shot contour + laid out 2x40' trenches. OK to set tank - may not proceed with trench install until SDA/corners are staked. (SC) 6/7/18 SDA corners now staked. Trenches laid out 6/5 are good to install. (SC)

INSTALLATION:

6/5/18 House connection made, backfilled under porch. Line run part way to tank. Must run water at a faucet indoors + check flow @ first cleanout to verify house connection. (SC) 6/6/18 Tank set + connected to sewer line. (SC) 6/7/18 T2 dug. Contractor adding stone to trench - 2' wide, 3' to stone. D-box set + connected to tank and T2. Trench wider for ~20' in middle (old perc hole?). (SC) 6/12/18 T1 complete + left open @ ends for inspection. 2' wide, 2.5-3' to stone. D-box covered from heavy rain pushing in dirt, contractor put in + leveled speed levelers. Need to verify house connection. (SC) 6/29/18 Ran water in house, heard it running into tank @ 2nd cleanout. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 6/29/18

ADDRESS:
12793 FREDERICK ROAD
WEST FRIENDSHIP, MD 21794

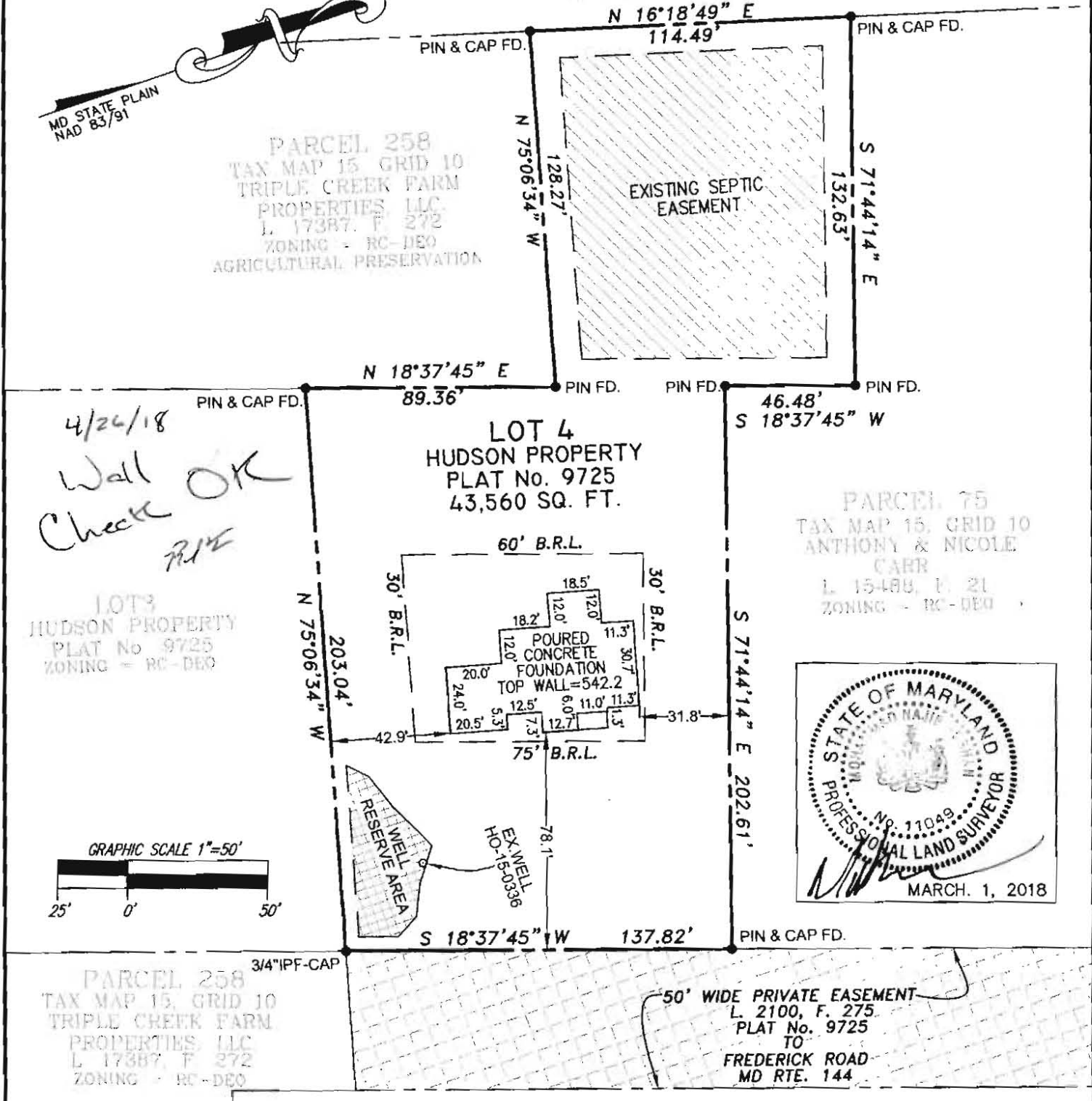
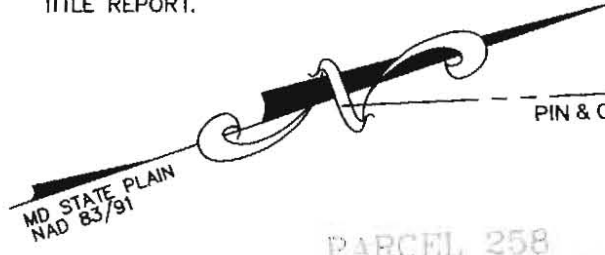
NOTES:

- 1. THE LEVEL OF ACCURACY OF APPARENT SETBACK DISTANCES IS ONE TENTH OF A FOOT, MORE OR LESS.
- 2. THIS PLAT WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT.

PARCEL 74
TAX MAP 15, GRID 10
TRIPLE CREEK FARM
PROPERTIES, LLC
L. 17387, F. 272
ZONING = RC-DEO
AGRICULTURAL PRESERVATION
(HO-89-07-E)

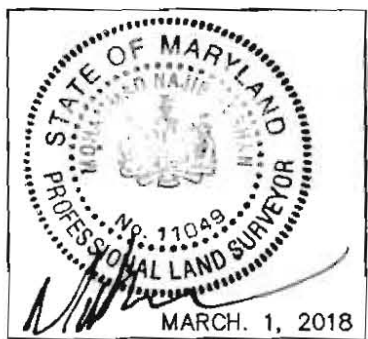
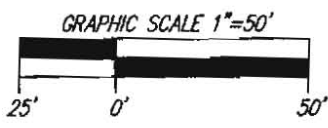
PARCEL 258
TAX MAP 15, GRID 10
TRIPLE CREEK FARM
PROPERTIES, LLC
L. 17387, F. 272
ZONING = RC-DEO
AGRICULTURAL PRESERVATION

PARCEL 75
TAX MAP 15, GRID 10
ANTHONY & NICOLE
CARR
L. 15-189, F. 21
ZONING = RC-DEO



4/26/18
Wall OK
Check OK
RJC

LOT 3
HUDSON PROPERTY
PLAT No. 9725
ZONING = RC-DEO



PREPARED BY:

NJR & ASSOCIATES, LLC.
 LAND SURVEYING AND PLANNING
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MARYLAND 21794
 TEL: (240) 508-3200

WALL CHECK SURVEY
 HUDSON PROPERTY
 LOT-4
 PLAT NUMBER 9725
 ELECTION DISTRICT 3
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: FEB. 26, 2018

FILE No. 3385

Davis, Michael J

From: Davis, Michael J
Sent: Monday, October 17, 2016 10:14 AM
To: Fertitta, Tony
Cc: Williams, Jeffrey
Subject: Hudson Property

Good Morning Tony,

I have reviewed the file and determined that we will not require a Perc Certification Plan even though our file does not contain a signed Perc Certification Plan. The unsigned plan provides all of the details that would be required on a Perc Certification Plan. We will however need an approved BAT site plan prior to the release of a building permit. I realize that the proposed change to the regulation may in the end result in not requiring the installation of a BAT, however until the regulation changes we need the BAT site plan prior to building permit approval.

I decided to send this via email, so you would have this determination in writing in case anyone questions why we do not have a signed Perc Certification Plan in our file. If you have any question feel free to call.

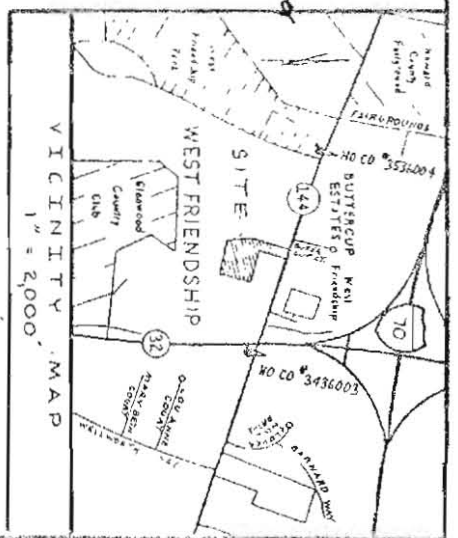
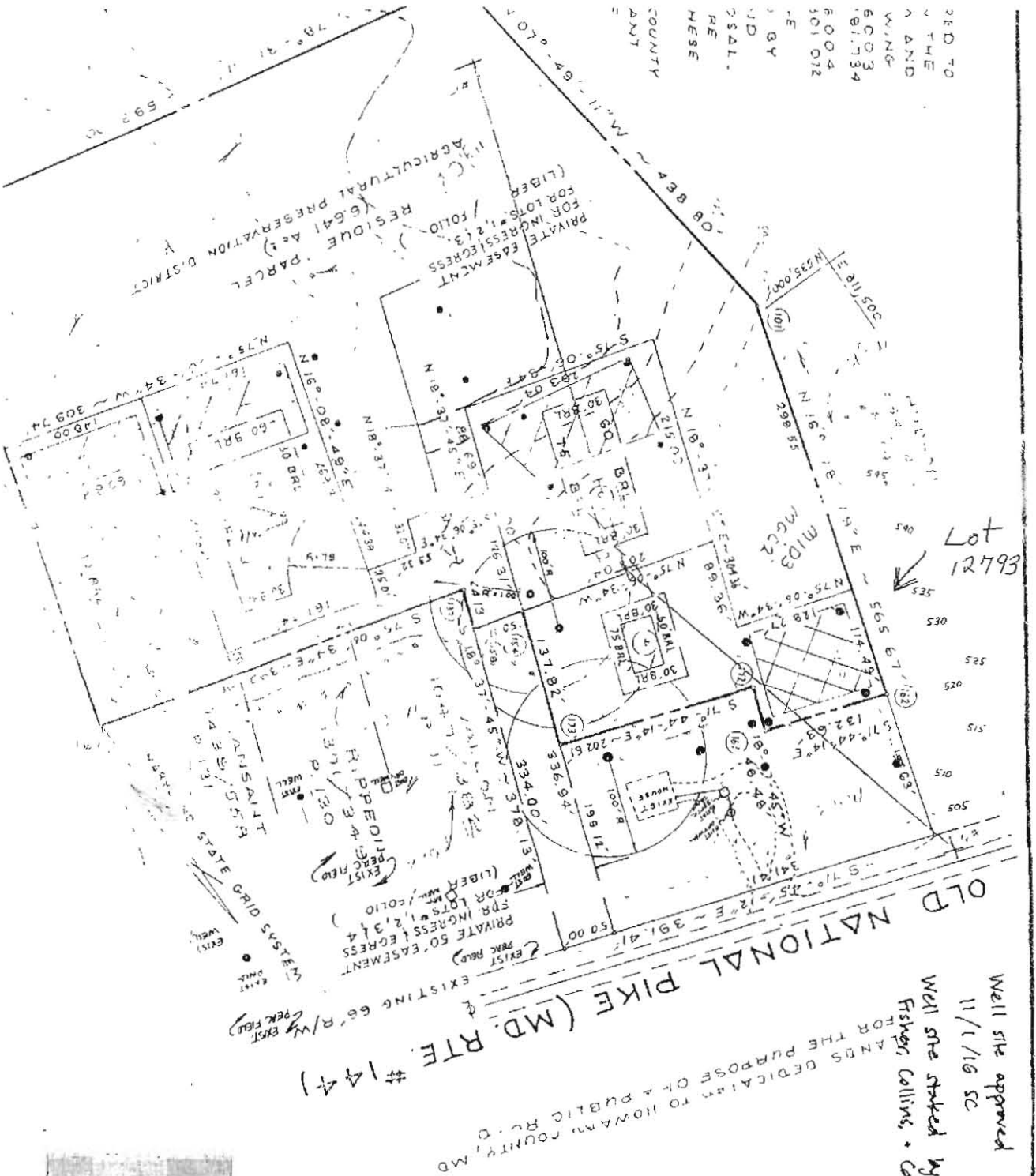
Mike

Michael J. Davis
Assistant Director
Bureau of Environmental Health
Howard County Health Department

CONFIDENTIALITY NOTICE

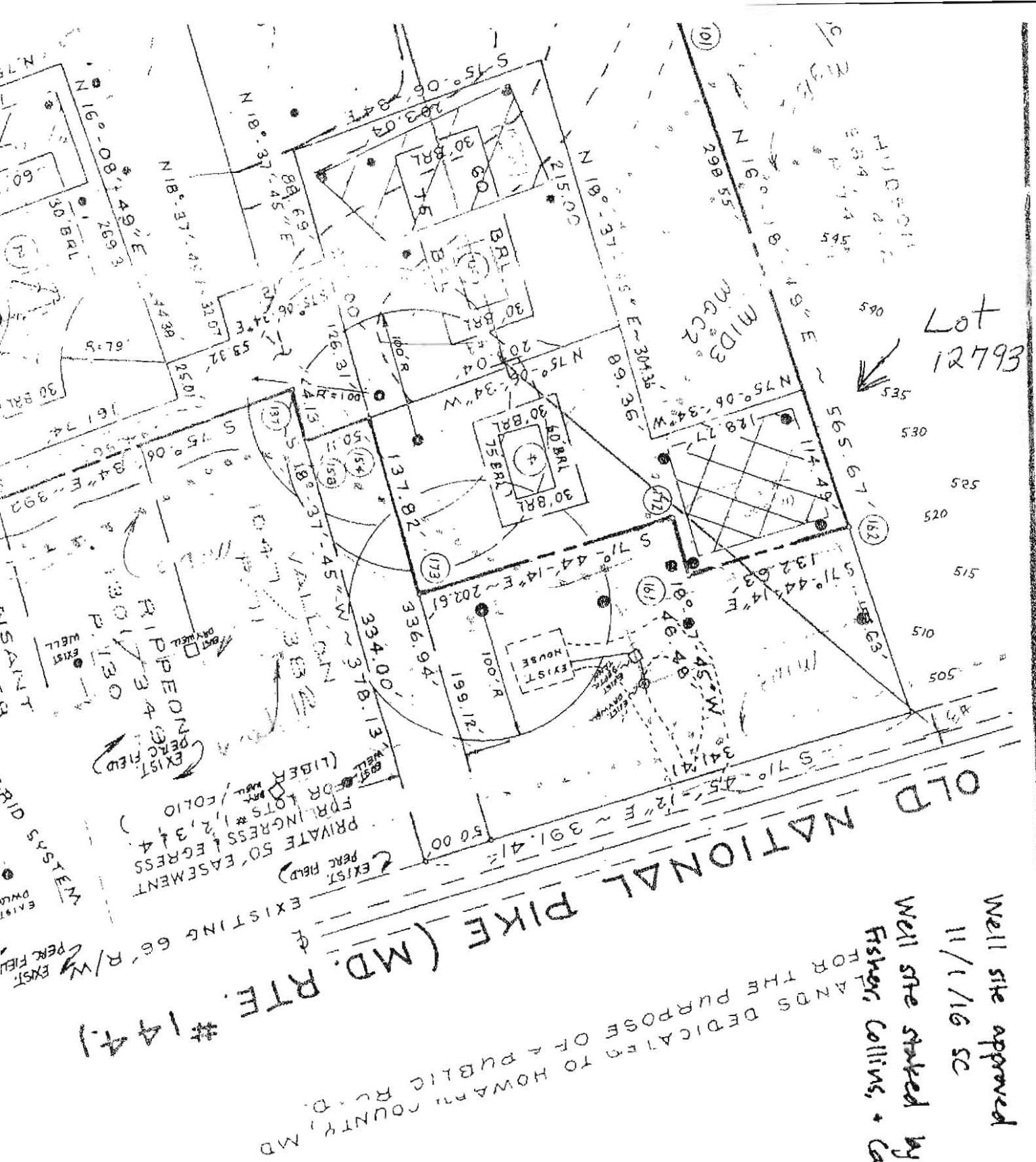
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Not to scale
 Copied @ 65%
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COORDINATE TABLE	
NORTH	EAST
58	812373.91
59	812225.06
60	811643.93
61	811587.22
62	811994.05
63	811959.72
64	812008.15
65	811826.15
66	811702.25
67	811811.34
68	812003.75
69	812373.91
70	812225.06
71	811643.93
72	811587.22
73	811994.05
74	811959.72
75	812008.15
76	811826.15
77	811702.25
78	811811.34
79	812003.75
80	812373.91

DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELD PERMIT NUMBER
 HO-15-0336
 INFORMATION-GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE, MARYLAND, 21230



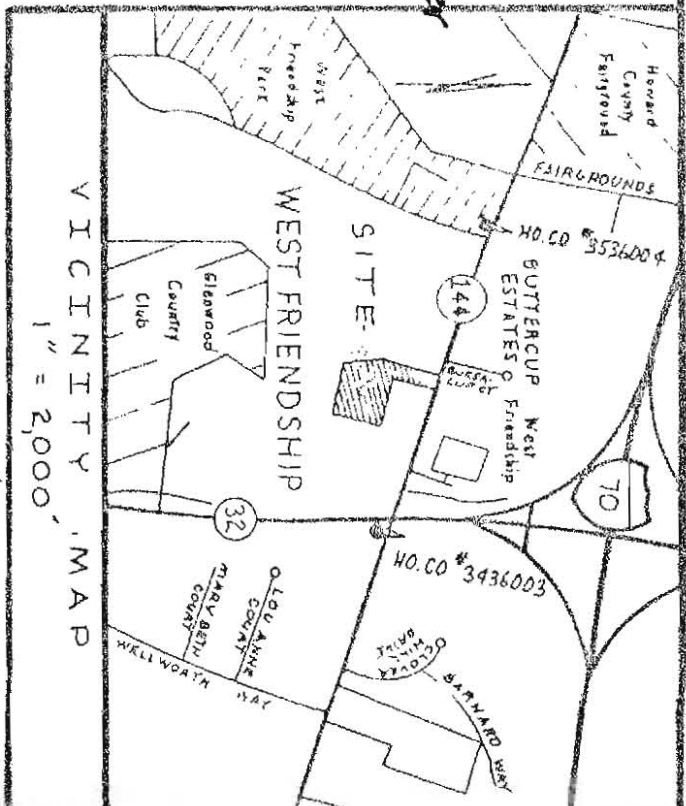
Lot 12793

Well site approved

11/1/16 SC

Well site stated by
Fisher, Collins, + Carter

LANDS DEDICATED TO HOWARD COUNTY, MD FOR THE PURPOSE OF A PUBLIC ROAD.



	NORTH					EAST						
	58	80	100	101	137	154	158	161	162	172	173	
	534953.37	812373.81	534439.59	812225.06	534557.61	811643.93	534992.33	811594.05	535388.75	811700.25	535303.14	811826.19
	534953.37	812373.81	534439.59	812225.06	534557.61	811643.93	534992.33	811594.05	535388.75	811700.25	535303.14	811826.19
	534953.37	812373.81	534439.59	812225.06	534557.61	811643.93	534992.33	811594.05	535388.75	811700.25	535303.14	811826.19
	534953.37	812373.81	534439.59	812225.06	534557.61	811643.93	534992.33	811594.05	535388.75	811700.25	535303.14	811826.19
	534953.37	812373.81	534439.59	812225.06	534557.61	811643.93	534992.33	811594.05	535388.75	811700.25	535303.14	811826.19

44416

SUBDIVISION: Hudson Property

LOT NUMBER: 4

Frederick Road DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 2.0 ft wide.

Inlet 3.0 feet below original grade.

Bottom maximum depth 8.0 feet below original grade.

Effective area begins at 3.0 feet below original grade.

5.0 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: Place the distribution box 250 ft off Route 144 and 120 ft off the 413.04' lot line. Run trenches on contour toward the 413.04' lot line. Maintain a minimum of 100 ft from all wells. 5-30-90 JEN

GENERAL NOTES :

- BOUNDARY DATA SHOWN ON THIS PLAT IS REFERRED TO THE SYSTEM OF COORDINATES ESTABLISHED IN THE MARYLAND STATE PLANE COORDINATE SYSTEM AND ARE BASED ON THE COORDINATES FOR THE FOLLOWING TRAVERSE STATIONS. HO. CO. STATION # 3436003 N 534999.288 E 813281.734
HO. CO. STATION # 3536004 N 536022.815 E 810301.072
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED. THE LOTS SHOWN HERE COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
- B.R.L. = BUILDING RESTRICTION LINE.
- PROPERTY ZONED 'R' AS PER 8-2-85 COMPREHENSIVE ZONING PLAN.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.
- PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND ARE SHOWN AS THUS: ●
- PROPOSED DRIVEWAY WITHIN THE 50' EASEMENT FOR INGRESS & EGRESS TO LOTS 1, 2 & 3 IS TO BE PRIVATELY OWNED AND MAINTAINED.
- LOTS # 1, 2, 3 & 4 ARE TO BE USED IN ACCORDANCE WITH SECTION 104.D.3 OF THE HOWARD COUNTY ZONING REGULATIONS. THESE LOTS SHALL BE USED FOR THE PURPOSE OF THE CONSTRUCTION OF ONE DWELLING FOR THE OWNER WHO ORIGINALLY ESTABLISHED THE AGRICULTURAL PRESERVATION DISTRICT OR FOR ONE OF HIS/HER CHILDREN.

TABULATIONS :

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	FIVE (5)
TOTAL AREA OF LOTS	4.000 AC.±
TOTAL AREA OF ROADWAYS (INCL. WIDENING STRIPS)	
TOTAL AREA OF RESIDUE PARCEL	6.641 AC.±
TOTAL AREA OF SUBDIVISION	10.641 AC.±

PERC TEST AS-BUILTS

● = PROPOSED PERC TEST
 ●●● = SOILS DIVISION LINE

APPROVED:	FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY.
HOWARD COUNTY HEALTH OFFICER	DATE
APPROVED:	HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
DIRECTOR	DATE
APPROVED:	FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR	DATE

OWNER'S CERTIFICATE:

I, JAMES W. HUDSON, JR. AND LILLIAN E. HUDSON OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADMIT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROAD OF STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREIN; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF THEIR CONSTRUCTION DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF WATERWAYS AND STRUCTURE OF ANY KIND SHALL BE ERCTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS DAY OF 6-27-89 1989.

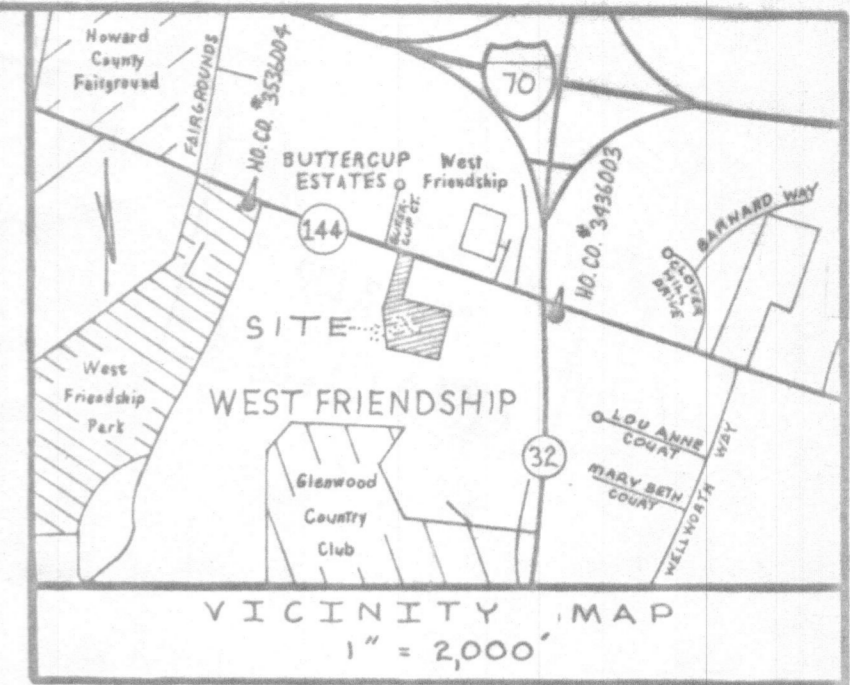
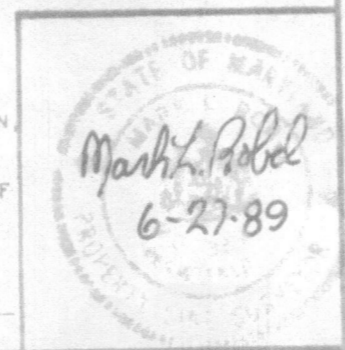
WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL THE LANDS CONVEYED BY JAMES W. HUDSON AND LILLIAN E. HUDSON, HIS WIFE TO JAMES W. HUDSON, JR. AND ANN R. HUDSON, HIS WIFE IN A DEED DATED AUGUST 5, 1978 AND RECORDED AMONG THE LAND RECORDS OF HO. CO., MD. IN LIBER 178, FOLIO 518; AND IT IS ALSO A SUBDIVISION (PART OF THE LAND CONVEYED BY JAMES W. HUDSON AND LILLIAN E. HUDSON TO JAMES W. HUDSON, LILLIAN E. HUDSON AND JAMES WISE HUDSON, JR. IN A DEED DATED SEPTEMBER, 1979 AND RECORDED AMONG THE LAND RECORDS OF HO. CO., MD. IN LIBER 064 FOLIO 462 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY THE BOARD OF PUBLIC WORKS AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MD. AS AMENDED

Mark L. Robel

19-1989
 F.E.



COORDINATE TABLE		
	NORTH	EAST
58	53 4 9 5 3.37	8 1 2 3 7 3.81
80	53 4 4 3 9.50	8 1 2 2 2 5.06
100	53 4 5 5 7.61	8 1 1 6 4 3.93
101	53 4 9 9 2.33	8 1 1 5 8 4.22
137	53 5 0 5 4.35	8 1 1 9 9 4.05
154	53 5 1 0 9.05	8 1 1 9 5 9.72
158	53 5 0 9 6.17	8 1 2 0 0 8.15
161	53 5 3 4 7.18	8 1 1 8 2 6.19
162	53 5 3 8 8.75	8 1 1 7 0 0.25
172	53 5 3 0 3.14	8 1 1 8 1 1.34
173	53 5 2 3 9.64	8 1 2 0 0 3.75

VITTI, ROBEL & ASSOCIATES
 1317 YORK ROAD
 LUTHERVILLE, MARYLAND
 PHONE: 252-4552 21093

WP-89-39

HUDSON PROPERTY

LOTS 1 TO 4
 TAX MAP PARCEL 75
 IS P/O PARCEL 74
 ZONING 'R'
 THIRD ELECTION DIST.
 HOWARD, CO., MARYLAND
 SCALE 1" = 100'
 DATE: MAY 19, 1989 SHEET 1 OF 1

STATE OF MARYLAND
 PROFESSIONAL LAND SURVEYOR
 No. 11049
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2019.
 JANUARY 26, 2018
 DATE

PARCEL 258
 TAX MAP 15, GRID 10
 TRIPLE CREEK FARM
 PROPERTIES, LLC
 L. 17387, F. 272
 ZONING = RC-DEO
 AGRICULTURAL PRESERVATION

PARCEL 74
 TAX MAP 15, GRID 10
 TRIPLE CREEK FARM
 PROPERTIES, LLC
 L. 17387, F. 272
 ZONING = RC-DEO
 AGRICULTURAL PRESERVATION
 (HO-89-07-E)

LOT 3
 HUDSON PROPERTY
 PLAT No. 9725
 ZONING = RC-DEO

LOT 4
 HUDSON PROPERTY
 PLAT No. 9725
 43,560 SQ. FT.

PARCEL 75
 TAX MAP 15, GRID 10
 ANTHONY & NICOLE
 CARR
 L. 15488, F. 21
 ZONING = RC-DEO

PARCEL 258
 TAX MAP 15, GRID 10
 TRIPLE CREEK FARM
 PROPERTIES, LLC
 L. 17387, F. 272
 ZONING = RC-DEO

MISS-UTILITY NOTE:
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,
 (800) 257 - 7777.

SEPTIC SYSTEM CALCULATIONS:
 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $WIDTH+2 = 2+2 = 0.36$
 $WIDTH+1+2(DEPTH) = 2+1+2(4) = 10$
 500 SQ. FT./2 (TRENCH WIDTH) x 0.36 (SIDEWALL REDUCTION) = 90 LINEAR FEET
 MINIMUM TRENCH SPACING= 2(DEPTH) + WIDTH = 2(4)+2 = 10 FEET
 2 TRENCHES OF 50 FEET IN LENGTH, 12 FOOT SPACED ARE PROVIDED

TRENCH	TRENCH LENGTH	INV. INTO TRENCH	BOTTOM OF TRENCH
1	50'	526.2	522.2
2	50'	524.2	520.2

DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE,
 Ste 200
 CROFTON, MD 21144
 (301) 261-0277

50' WIDE PRIVATE EASEMENT
 L. 2100, F. 275
 PLAT No. 9725

LEGEND

- EX. WELL
- EX. ELECTRIC TRANSFORMER
- EX. CABLE TELEVISION PEDESTAL
- EX. VERIZON PANEL
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE
- PROP. SPOT ELEVATION
- 536 --- EX. CONTOUR
- 536 --- PROP. CONTOUR
- EX. EDGE WOODED AREA
- PROP. EDGE WOODED AREA
- SSF --- PROP. SUPER SILT FENCE
- SF --- PROP. SILT FENCE
- LOD --- PROP. LIMIT OF DISTURBANCE
- DD --- PROP. DRAINAGE DIVIDE
- ⊗ EX. TREE TO BE REMOVED
- ▨ EX. SHARED PRIVATE USE EASEMENT

SITE ANALYSIS DATA CHART

TOTAL LOT AREA = 1.00 ACRES
 TOTAL AREA "PROP. TO BE DISTURBED" = 0.32 ACRE (14,060 SF.)
 TOTAL LOT IMPERVIOUS AREA PROPOSED = 0.11 ACRE (4,600 SF.)

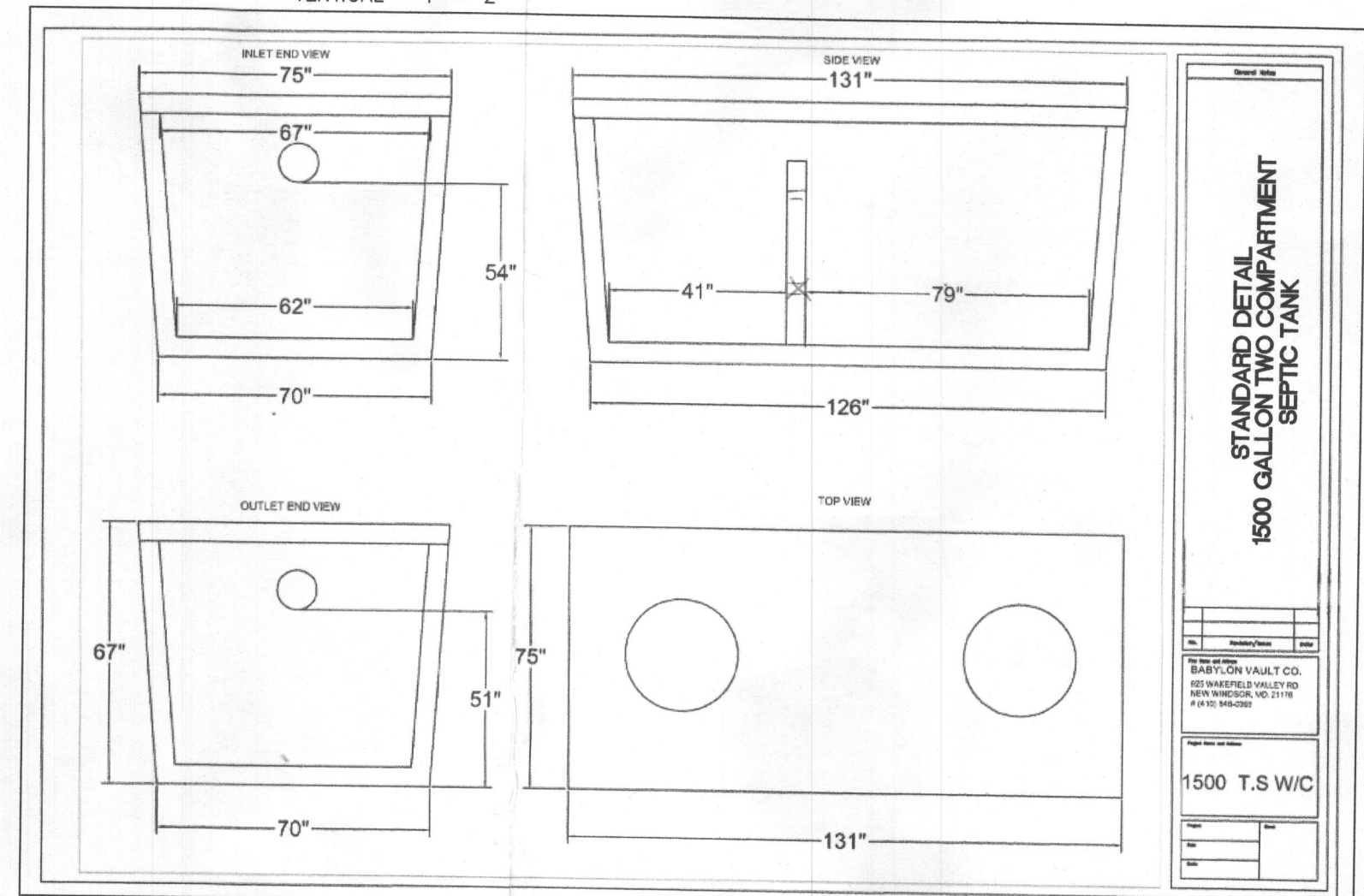
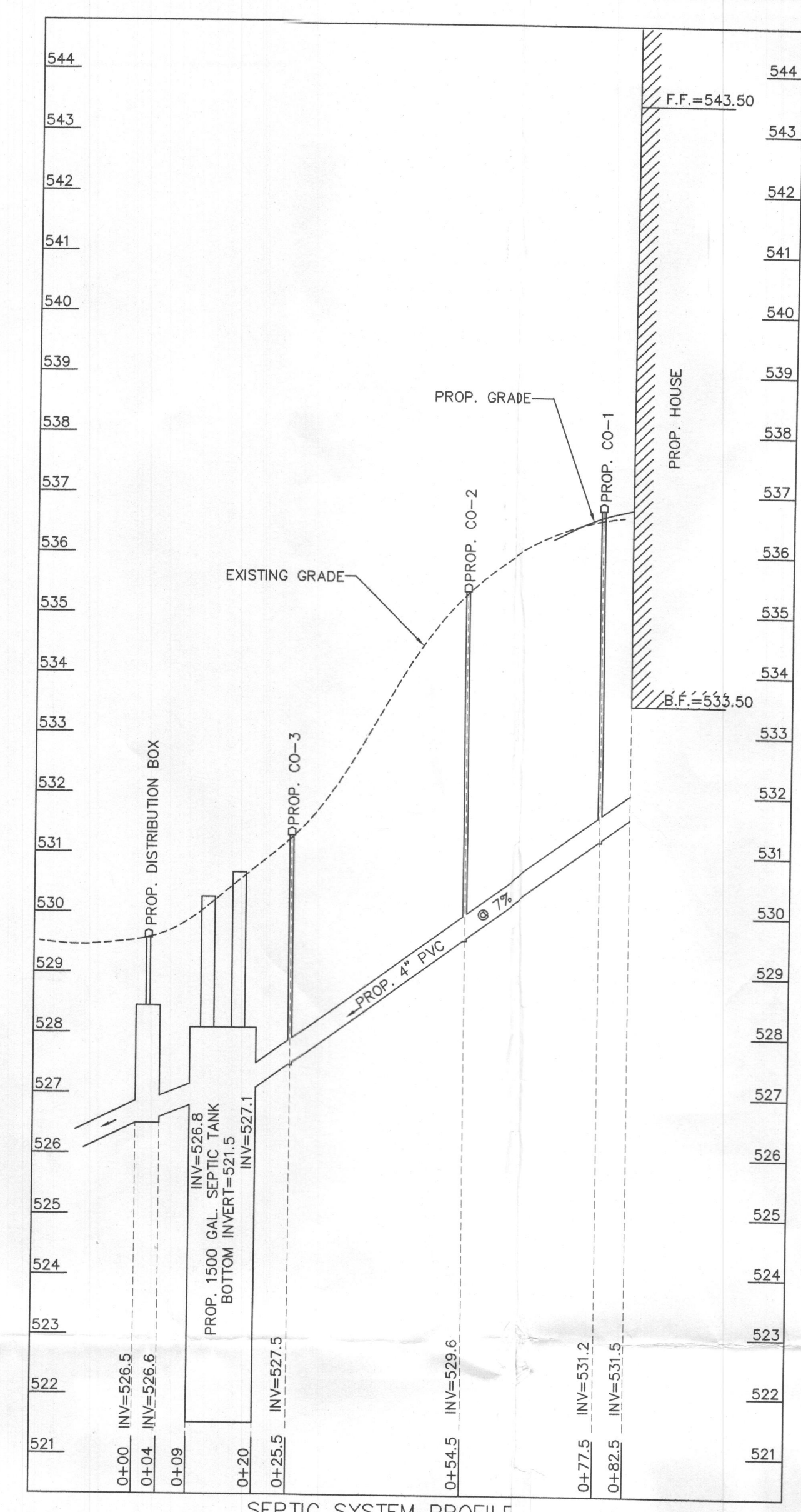
SITE AREA WITHIN WETLAND = 0 ACRES
 SITE AREA WITHIN 25' WETLAND BUFFER = 0 ACRES
 SITE AREA OF STEEP SLOPES = 0 ACRES
 SITE AREA OF ERODIBLE SOILS = 0 ACRES
 SITE AREA WITHIN 100-YR FLOODPLAIN = 0 ACRES
 SITE AREA WITHIN 100' STREAM BUFFER = 0 ACRES
 SITE TOTAL FORESTED AREA = 0 ACRES

- GENERAL NOTES**
- ZONING: RC-DEO.
 - PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE.
 - THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN JULY OF 2017.
 - THERE IS NO FLOODPLAIN ON SITE.
 - THERE ARE NO WETLANDS, STREAMS AND THEIR BUFFERS ON SITE.
 - THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
 - TOTAL AREA WITHIN LOD = 14,060 SQ.FT.
 - WATERSHED = MIDDLE PATUXENT RIVER
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SOIL TABLE

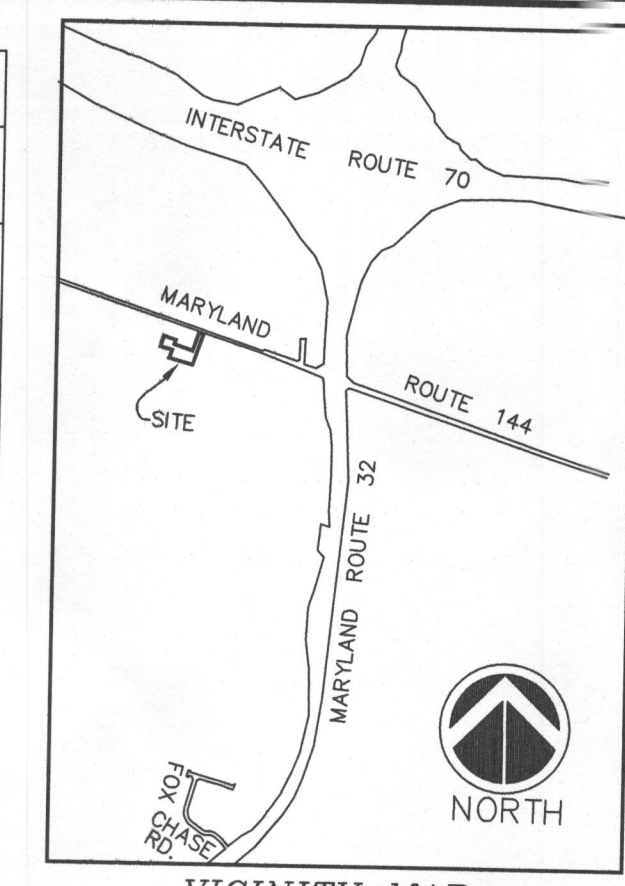
SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
MaC	Manor Loam, 8% to 15% Slopes	B	No
MaD	Manor Loam, 15% to 25% Slopes	B	No

FREDERICK ROAD MD RTE. 144



- NOTES:**
- ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE PROVIDED 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.
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 - THE WELL (TAG # HO-15-0336 HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
 - ALL EXISTING 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 ON THIS PLAN.
 - THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOCIATES PERFORMED ON JULY OF 2017.
 - THIS SURVEY IS TIED TO MARYLAND STATE PLAIN NAD 83/91 COORDINATE SYSTEM.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP: PAGE - 10, GRID - C3

Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature] 1/31/18
 Date
 * Approved for 4 BSRs

HUDSON PROPERTY
 LOT 4
 PLAT NUMBER 9725
 TAX MAP 15, GRID 10, PARCEL 258
 TAX ID No. 03-316696
 12793 FREEDRICK ROAD
 WEST FREEDRICK, MD 21794
 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

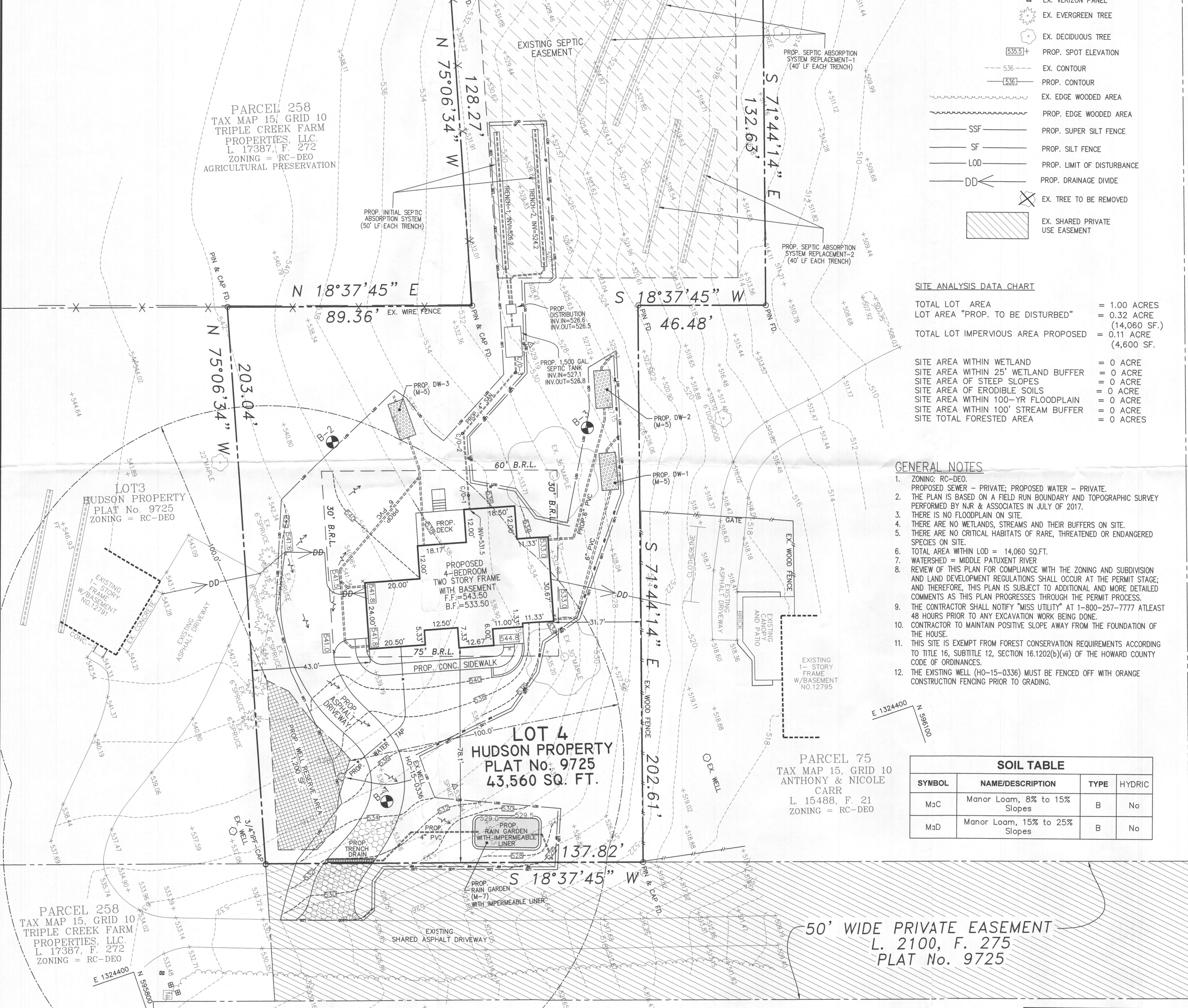
PLAN PREPARED BY:
 NJR & ASSOCIATES
 Land Surveying and Planning
 2720 STATE ROUTE 32
 WEST FREEDRICK, MD 21794
 TEL: (240) 508-8200

REVISIONS
 1- PROFILE AND TANK DETAIL
 ADDED, 01/26/2018.

NO.	DATE	DESCRIPTION

GRAPHIC SCALE 1"=20'
 DATE: DEC. 5, 2017
 JOB NUMBER: 3385
 FILE NUMBER: 3385-SITE
 PLOTTED: JAN. 26, 2017
 DRAWN BY: NR
 ON-SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 SHEET 1 OF 1

STATE OF MARYLAND
 PROFESSIONAL LAND SURVEYOR
 No. 11049
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2019.
 JANUARY 26, 2018
 DATE



MISS-UTILITY NOTE:
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING, (800) 257 - 7777.

SEPTIC SYSTEM CALCULATIONS:
 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
 SIDEWALL REDUCTION CREDIT: WIDTH+2 = 2+2 = 0.36
 WIDTH+1+2(DEPTH) = 2+1+2(4) = 10.36
 500 SQ. FT./2 (TRENCH WIDTH) x 0.36 (SIDEWALL REDUCTION) = 90 LINEAR FEET
 MINIMUM TRENCH SPACING= 2(DEPTH) + WIDTH = 2(4)+2 = 10 FEET
 2. TRENCHES OF 50 FEET IN LENGTH, 12 FOOT SPACED ARE PROVIDED

TRENCH INFO, INITIAL SYSTEM

TRENCH	TRENCH LENGTH	INV. INTO TRENCH	BOTTOM OF TRENCH
1	50'	526.2	52.2
2	50'	524.2	52.2

DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE,
 Ste 200
 CROFTON, MD 21144
 (301) 261-0277

LEGEND

- EX. WELL
- EX. ELECTRIC TRANSFORMER
- EX. CABLE TELEVISION PEDESTAL
- EX. VERIZON PANEL
- EX. EVERGREEN TREE
- EX. DECIDUOUS TREE
- 535.5+ PROP. SPOT ELEVATION
- - - 536 EX. CONTOUR
- - - 538 PROP. CONTOUR
- EX. EDGE WOODED AREA
- PROP. EDGE WOODED AREA
- SSF PROP. SUPER SILT FENCE
- SF PROP. SILT FENCE
- LOD PROP. LIMIT OF DISTURBANCE
- DD PROP. DRAINAGE DIVIDE
- ⊗ EX. TREE TO BE REMOVED
- ▨ EX. SHARED PRIVATE USE EASEMENT

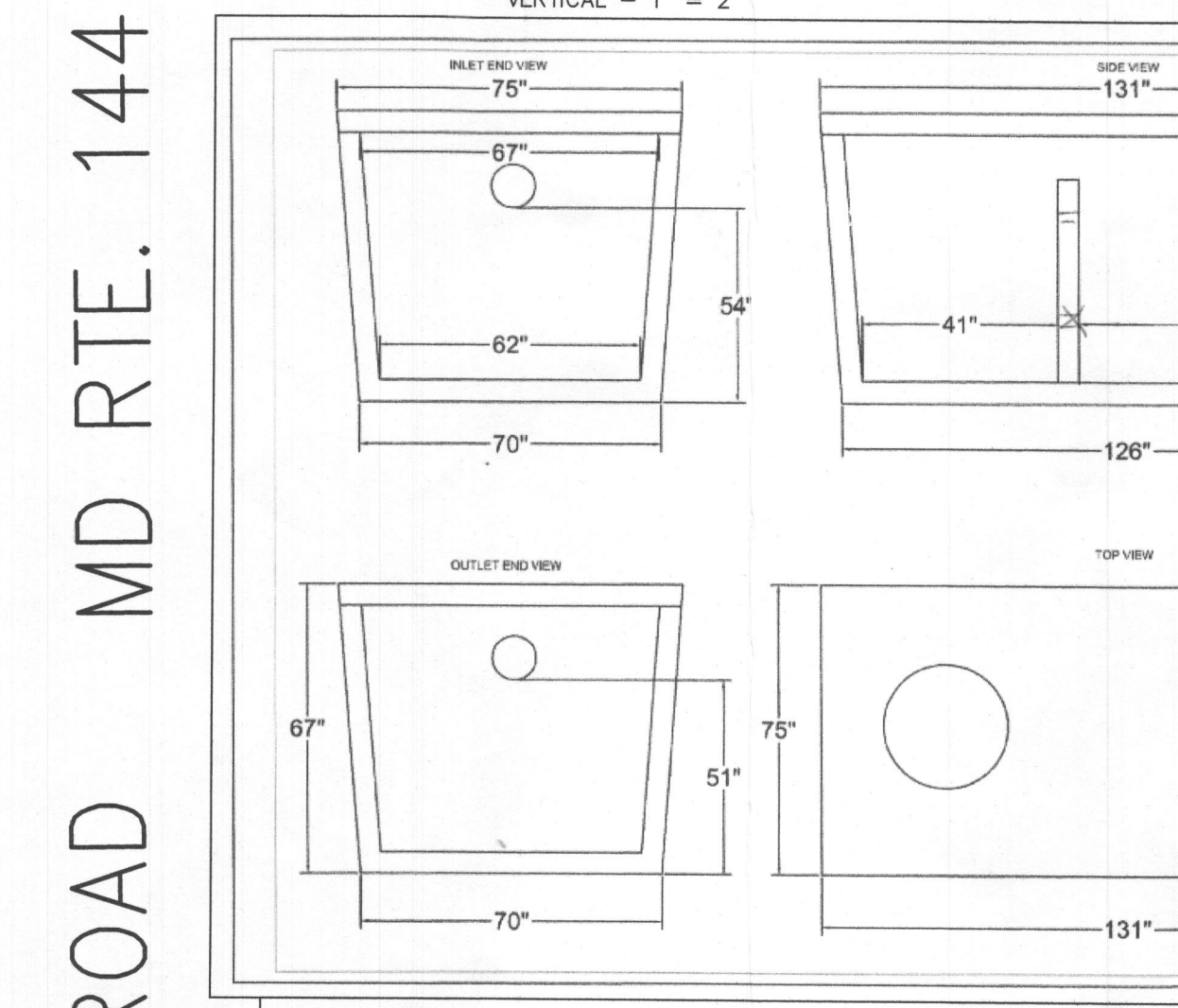
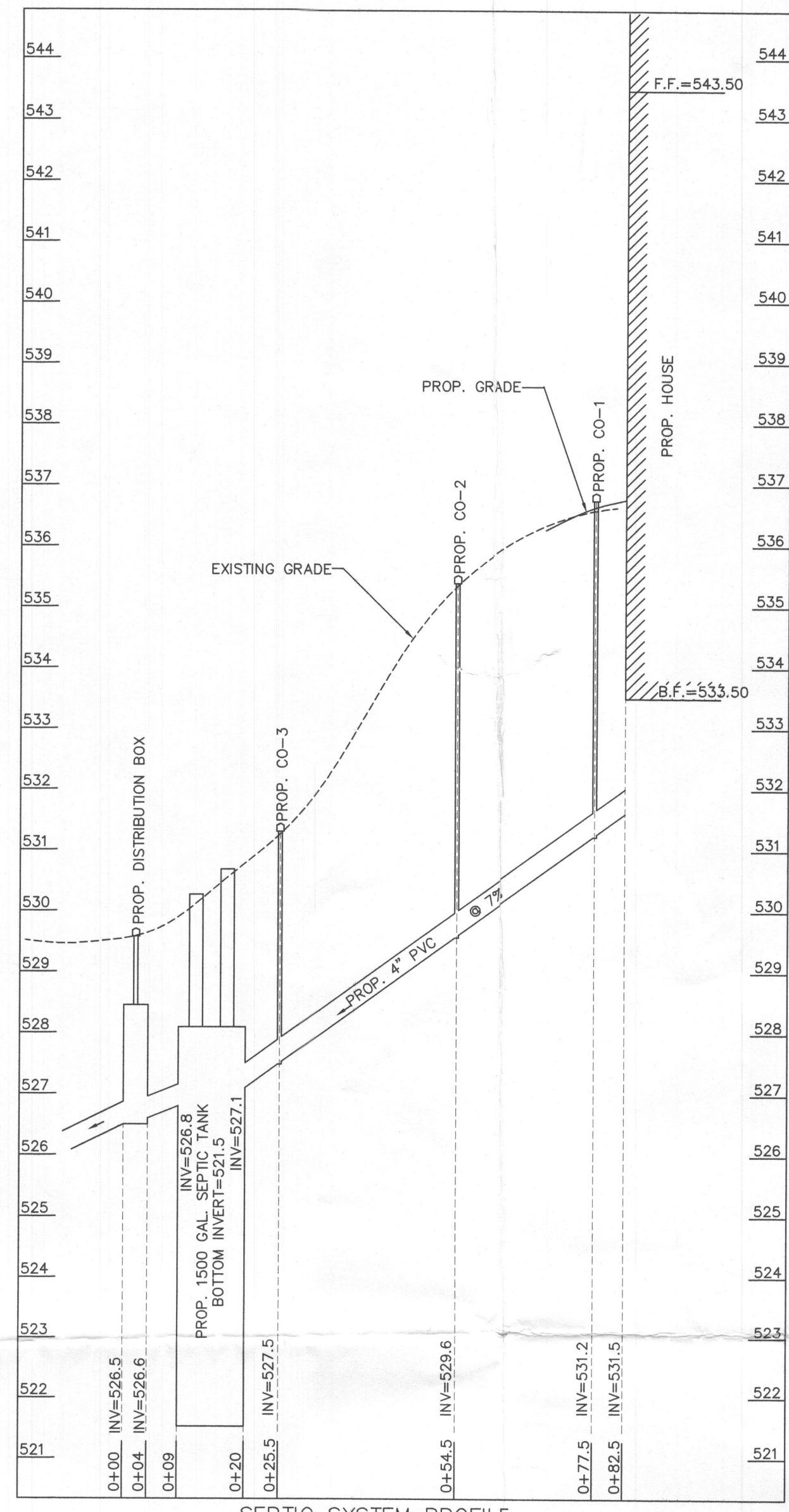
SITE ANALYSIS DATA CHART

TOTAL LOT AREA	= 1.00 ACRES
LOT AREA "PROP. TO BE DISTURBED"	= 0.32 ACRE (14,060 SF.)
TOTAL LOT IMPERVIOUS AREA PROPOSED	= 0.11 ACRE (4,600 SF.)
SITE AREA WITHIN WETLAND	= 0 ACRE
SITE AREA WITHIN 25' WETLAND BUFFER	= 0 ACRE
SITE AREA OF STEEP SLOPES	= 0 ACRE
SITE AREA OF ERODIBLE SOILS	= 0 ACRE
SITE AREA WITHIN 100-YR FLOODPLAIN	= 0 ACRE
SITE AREA WITHIN 100' STREAM BUFFER	= 0 ACRE
SITE TOTAL FORESTED AREA	= 0 ACRES

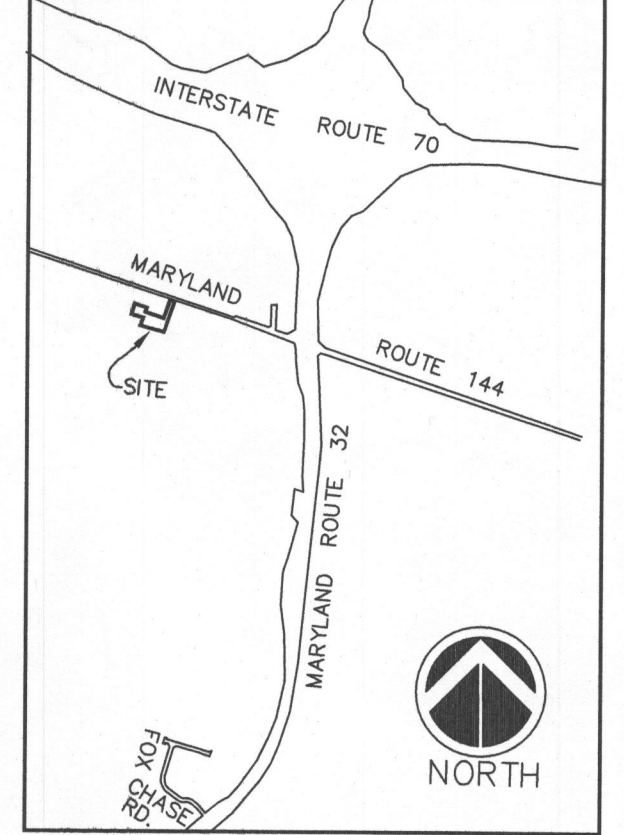
- GENERAL NOTES**
- ZONING: RC-DEO. PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE.
 - THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN JULY OF 2017.
 - THERE IS NO FLOODPLAIN ON SITE.
 - THERE ARE NO WETLANDS, STREAMS AND THEIR BUFFERS ON SITE.
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SOIL TABLE

SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
M ₂ C	Manor Loam, 8% to 15% Slopes	B	No
M ₂ D	Manor Loam, 15% to 25% Slopes	B	No



- NOTES:**
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Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature] Date: 1/30/18

FREDERICK ROAD MD RTE. 144

HUDSON PROPERTY
 LOT 4
 PLAT NUMBER 9725
 TAX MAP 15, GRID 10, PARCEL 258
 TAX ID No. 03-316696
 12793 FRIENDSHIP ROAD
 WEST FRIENDSHIP, MD 21794
 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 508-3500

REVISIONS
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 ADDED, 01/26/2018.

GRAPHIC SCALE 1"=20'
 DATE: DEC. 5, 2017
 JOB NUMBER: 3385
 FILE NUMBER: 3385-SITE
 PLOTTED: JAN. 26, 2017
 DRAWN BY: NR

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 SHEET 1 OF 1

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE

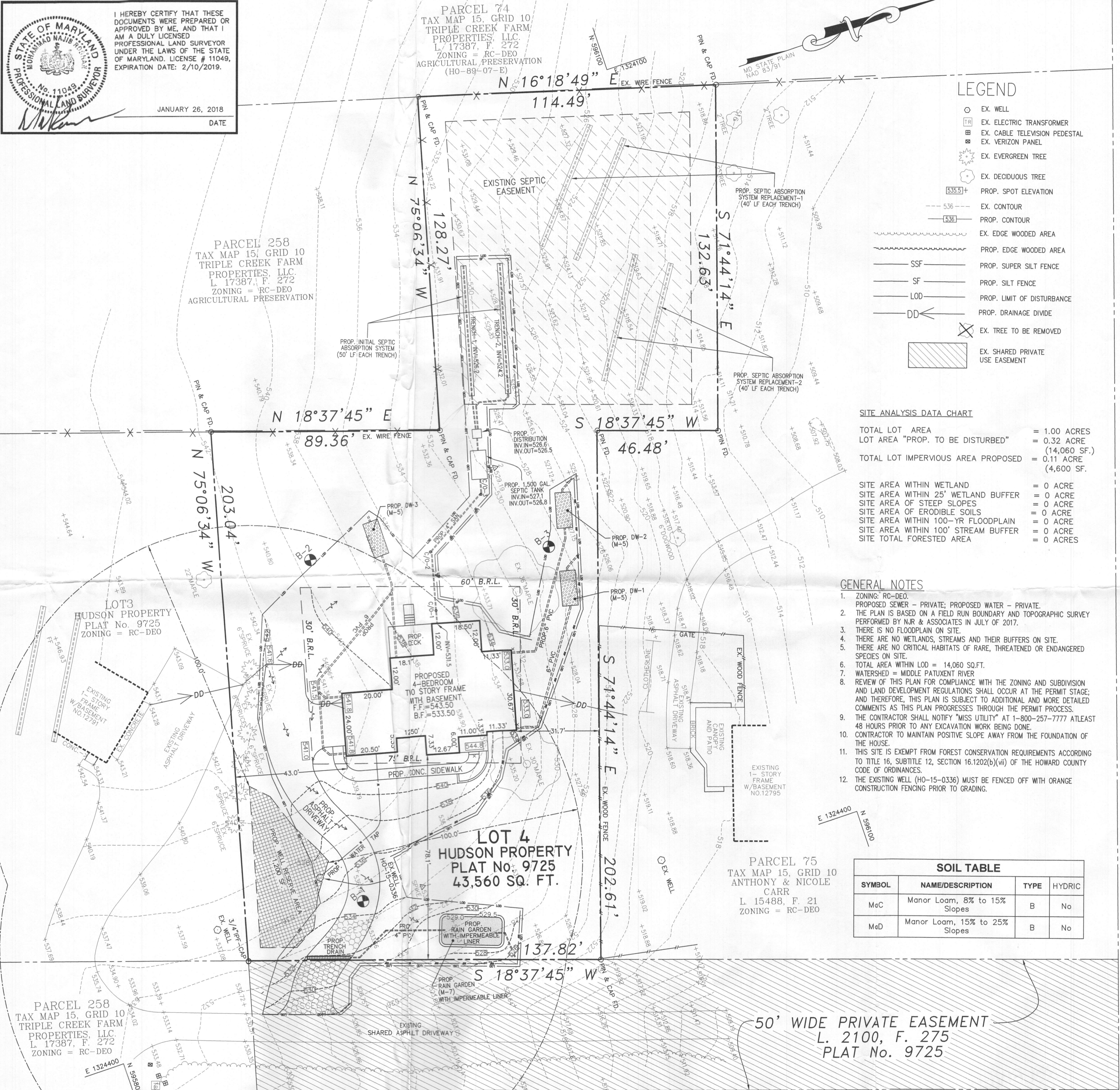
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DATE
 JANUARY 26, 2018

PARCEL 74
 TAX MAP 15, GRID 10
 TRIPLE CREEK FARM
 PROPERTIES, LLC
 L. 17387, F. 272
 ZONING = RC-DEO
 AGRICULTURAL PRESERVATION
 (HO-89-07-E)

PARCEL 258
 TAX MAP 15, GRID 10
 TRIPLE CREEK FARM
 PROPERTIES, LLC
 L. 17387, F. 272
 ZONING = RC-DEO
 AGRICULTURAL PRESERVATION



LEGEND

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SOIL TABLE

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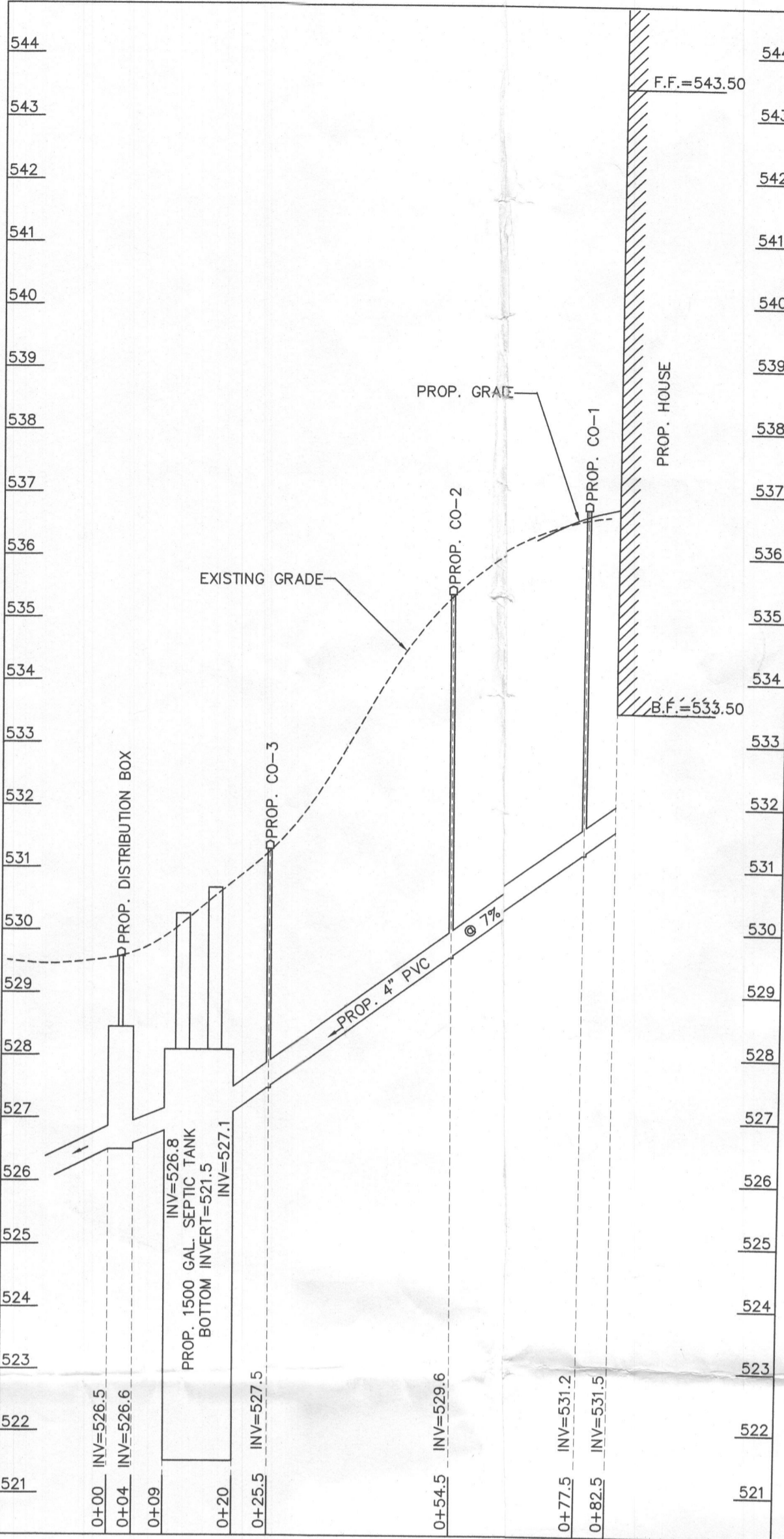
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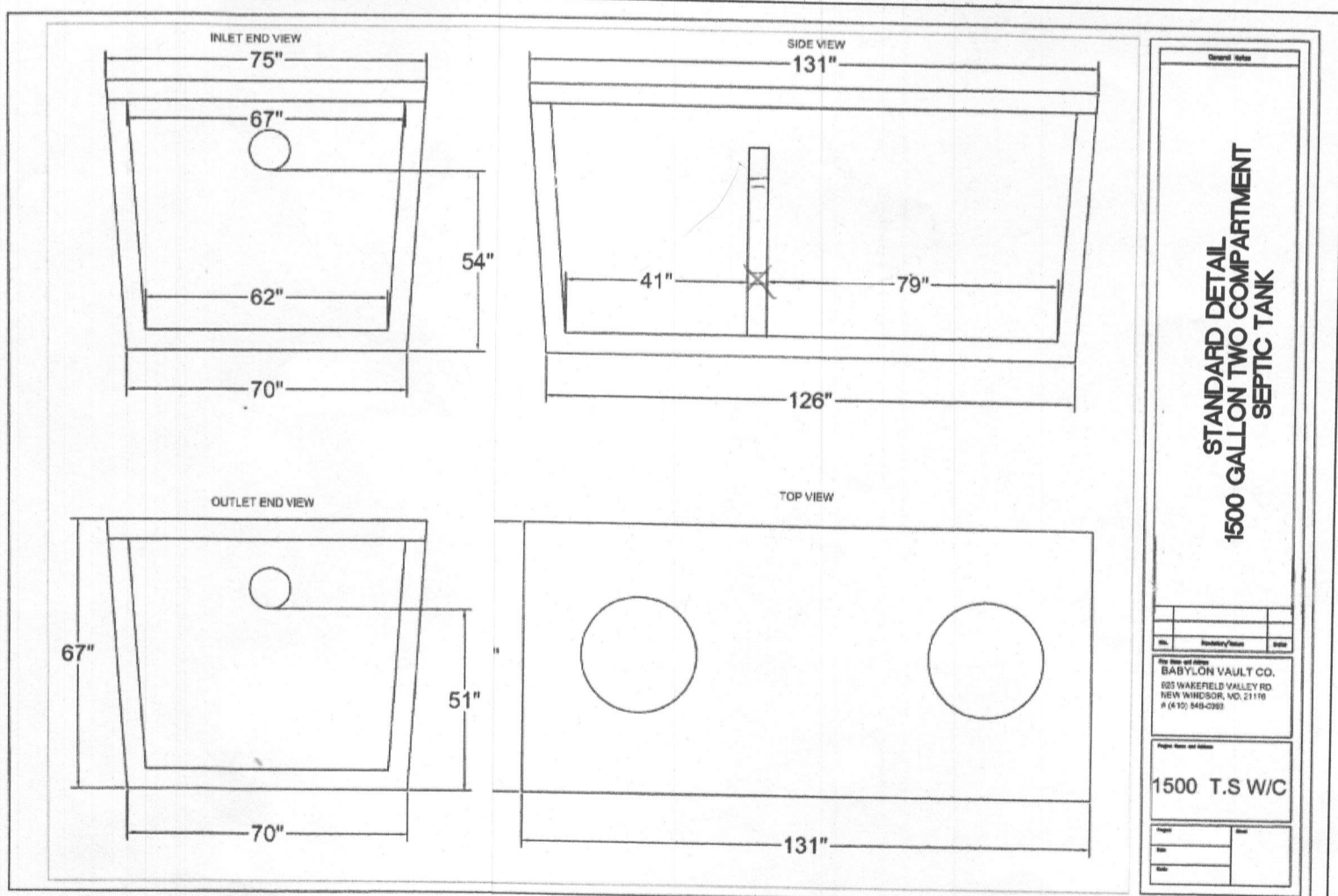
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DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE,
 Ste 200
 CROFTON, MD 21144
 (301) 261-0277

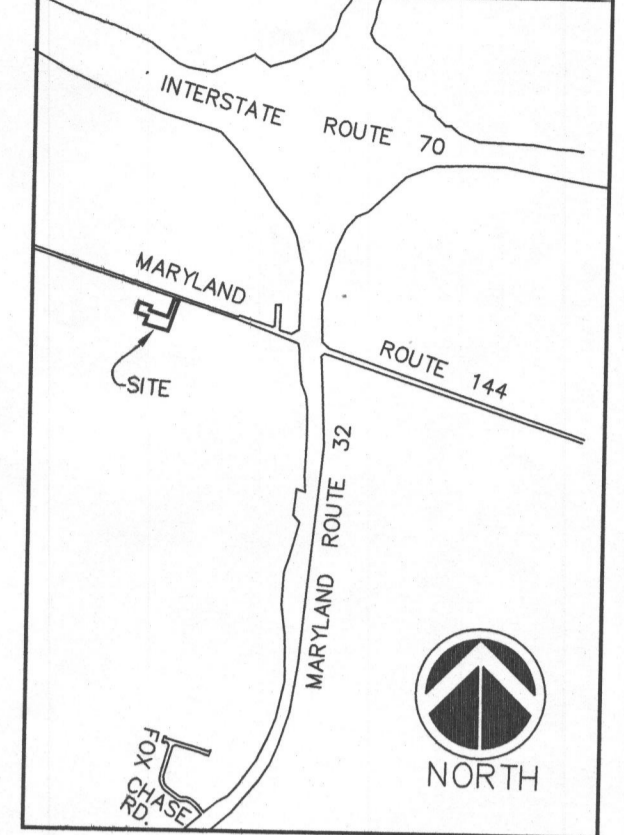
FREDERICK ROAD MD RTE. 144



SEPTIC SYSTEM PROFILE
 SCALE: HORIZONTAL - 1" = 20'
 VERTICAL - 1" = 2'



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VICINITY MAP
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 ADC MAP: PAGE - 10, GRID - C3

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