



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: 1-13-19 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 566460

APPROVAL DATE: 1/17/2019 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 710 Woodbine Crossing Road

SUBDIVISION: Woodbine Crossing

LOT: P/A

TAX ID:

CONTRACTOR: WTC Contractors

EMAIL:

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157

PHONE: 410-458-7024

PROPERTY OWNER: LDG Inc.

EMAIL:

OWNER ADDRESS: 8601 Georgia Avenue, Silver Spring, MD 20110

PHONE: 301-585-7000

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER: Babylon Vault

PUMP MODEL: —

PUMP SIZE: —

PUMP TANK CAPACITY: —

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>69.4</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.5</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: Hank Oswald

ISSUE DATE: 1-13-19

EXPIRATION DATE: 1-13-20

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

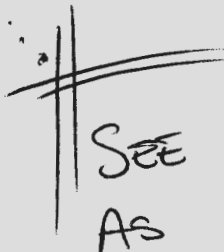
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.

NOT TO SCALE



SEE ATTACHED
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 4' BOTTOM 8'
NUMBER OF TRENCHES 1
TOTAL LENGTH 70'
ABSORPTION AREA 210 SF
DISTRIBUTION BOX LEVEL N/A
DISTRIBUTION BOX BAFFLE YES
DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

MANUFACTURER BABILON
CAPACITY 1500 GAL
SEAM LOC TOP
TANK LID DEPTH 13'
BAFFLES YES
BAFFLE FILTER NO
MANHOLE LOC FRONT/BACK
6" PORT LOC -
WATERTIGHT TEST -
SLOTTED YES
DATE ON LID 09/16/2019

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:

11/15/2019 ^{18 E} Pulled 100' WELL ARC FOR TANK STAKE. SDA STAKED.
CONTING. APPROVABLE TO STRAIGHTEN TRENCH AT UPPER
BORDER OF SDA. OK TO START. (P)

INSTALLATION:

11/16/2019 ^{18 E} (AM) SEWERLINE AND TANK INSTALLED.
(PM) TRENCH COMPLETE. D BOX SET. OK W/O SPEED
LEVEL. REINSP SHC. (P) 11/17/2019 ^{19 E} SHC INSTALLED. OK TO
BACKFILL. (P)

11/16 - 11/17 2019 IS SAT/SUN. DATES ARE WRONG. (P)

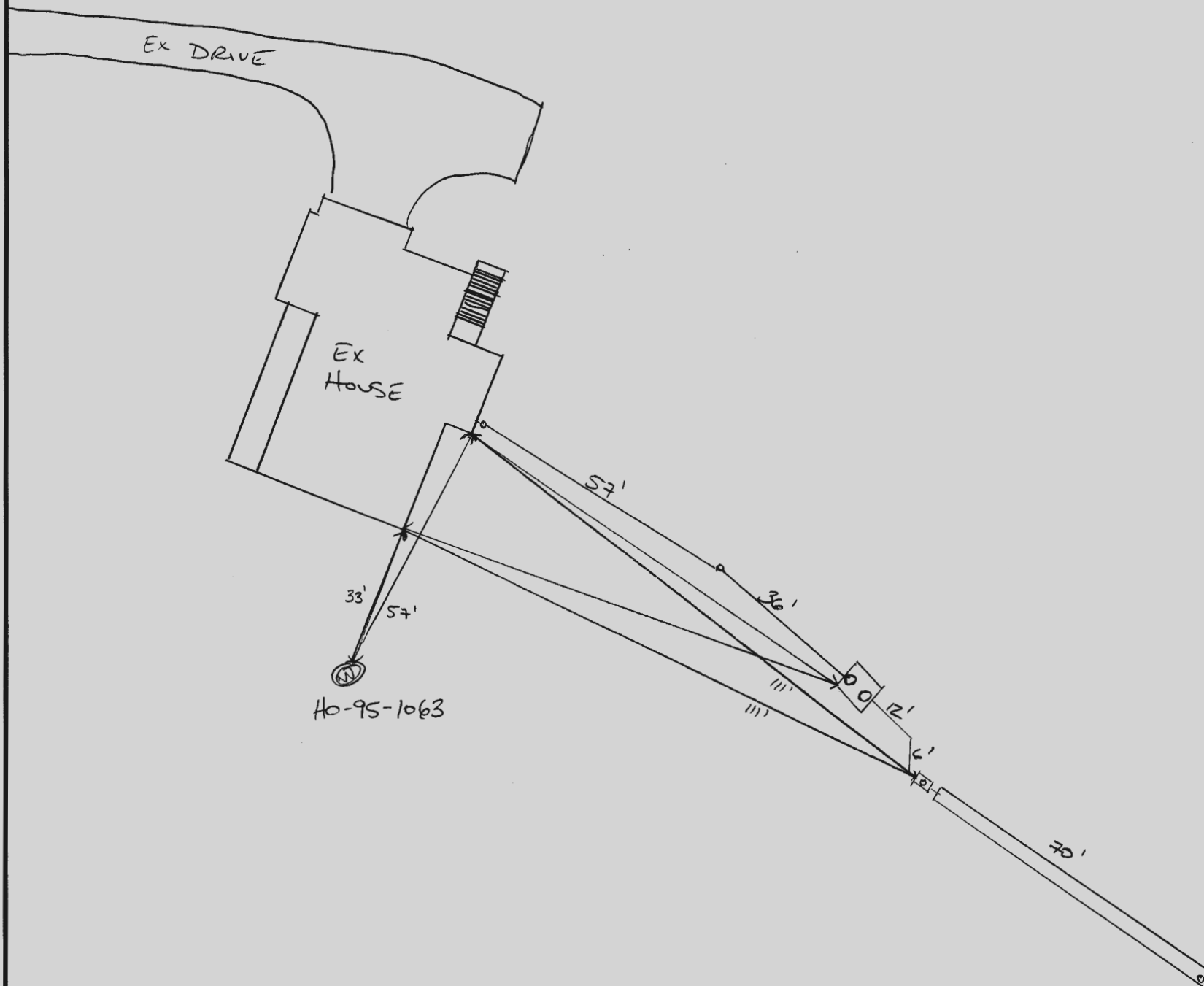
FINAL INSPECTOR

DATE OF APPROVAL

11/19/2019

710 WOODBINE CROSSING

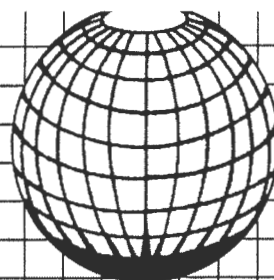
NOT TO SCALE



LEON A. PODOLAK AND ASSOCIATES, L.L.C.

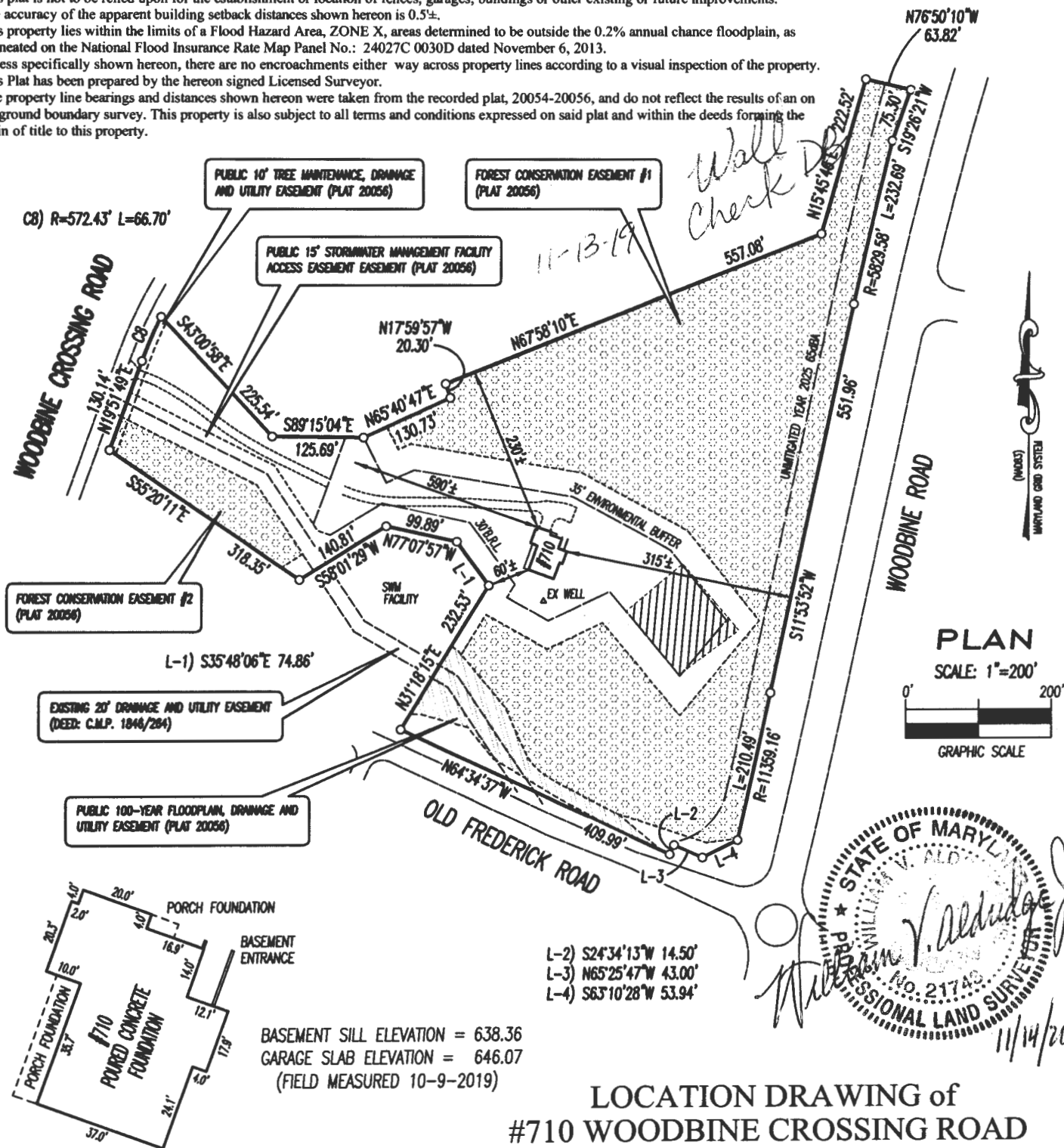
SURVEYING AND CIVIL ENGINEERING

147 EAST MAIN STREET, P.O. BOX 266
WESTMINSTER, MARYLAND 21157
TELEPHONES: 410-848-2229 410-876-1226

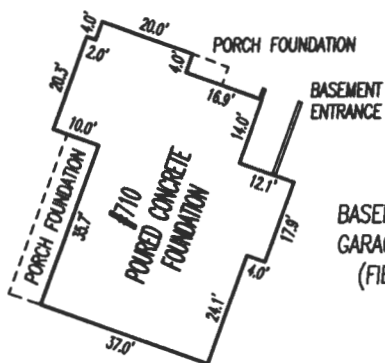


NOTES:

- This plat does not provide for the accurate identification of property boundary lines, but this identification may not be required, for the transfer of title or securing financing or refinancing.
- This plat is of benefit to a consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing.
- This plat is not to be relied upon for the establishment or location of fences, garages, buildings or other existing or future improvements.
- The accuracy of the apparent building setback distances shown hereon is 0.5'±.
- This property lies within the limits of a Flood Hazard Area, ZONE X, areas determined to be outside the 0.2% annual chance floodplain, as delineated on the National Flood Insurance Rate Map Panel No.: 24027C 0030D dated November 6, 2013.
- Unless specifically shown hereon, there are no encroachments either way across property lines according to a visual inspection of the property.
- This Plat has been prepared by the hereon signed Licensed Surveyor.
- The property line bearings and distances shown hereon were taken from the recorded plat, 20054-20056, and do not reflect the results of an on the ground boundary survey. This property is also subject to all terms and conditions expressed on said plat and within the deeds forming the chain of title to this property.



FOUNDATION DETAIL SCALE: 1"=40'



BASEMENT SILL ELEVATION = 638.36
GARAGE SLAB ELEVATION = 646.07
(FIELD MEASURED 10-9-2019)

LOCATION DRAWING of #710 WOODBINE CROSSING ROAD

NOVEMBER 14, 2019

SCALE: 1"=200'

This is to certify that the approximate locations of the improvements are shown in relation to the apparent property lines for the property known as #710 Woodbine Crossing Road, near Lisbon, in the 4-th Election District of Howard County, Maryland, according to my measurements and calculations, and to the regulations governing the Maryland Standards of Practice for Professional Land Surveyors, Effective date January 5, 2015. This drawing is not intended to replace an examination of title, or depict or note all matters affecting the title pertaining to the ownership and use of this property.

Westminster, this 14-th day of November, 2019.
William V. Aldridge, Jr., Professional Land Surveyor, Reg. #21743
My current license expires December 11, 2019.

CURRENT TITLE REFERENCE

OPTIMUM PROPERTIES LLC DEED: W.A.R. 18575/307
PLAT: WOODBINE CROSSING - PARCEL 'A'
PLAT NO. 20054-20056 10.0619 ACRES±

Tax Map: 2 Grid: 24 Parcel: 253
Tax acct. no.: 04-374568

PROPERTY ZONING: RC-DEO - Rural Residential

#710 WOODBINE CROSSING ROAD

WOODBINE CROSSING - PARCEL 'A' - Howard Co. Tax Map: 2 Grid: 24 Parcel: 253 Tax acct. no.: 04-374568

CURRENT TITLE REFERENCE: PLAT: WOODBINE CROSSING - PARCEL 'A' PLAT NO. 20054-20056 10.0619 ACRES±

\\Job Files\Catonsville Homes\Woodbine Crossing\#710 Woodbine Crossing Rd.- FOUNDATION LOCATION DRAWING - (10-9-2019).dwg

#B19-000645

\\lap\job_files\Catonville Homes\ON-SITE SEWAGE DISPOSAL DESIGN PLAN - #710 Woodbine Crossing Rd (CATONVILLE HOMES).r2.dwg 4-23-2019

SYMBOLS LEGEND

- INDICATES PASSING PERCOLATION TEST SITE (SEE TEST RESULTS ON SHEET 2)
- △ EX WELL
- ▲ ALTERNATE WELL
- 658 ---
- INDICATES EXISTING WELL LOCATION
- INDICATES ALTERNATE WELL LOCATION
- INDICATES EXISTING GROUND CONTOUR LINE
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- INDICATES INITIAL PRIVATE SEPTIC SYSTEM DRAIN LINE TO BE INSTALLED (SEE SEWAGE FLOW CALCULATIONS) (SEE SHEET 2 FOR SYSTEM PROFILE and SPECIFICATIONS)
- INDICATES REPLACEMENT PRIVATE SEPTIC SYSTEM DRAIN LINES (SEE SEWAGE FLOW CALCULATIONS)

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

PROPOSED PRIVATE SEWERAGE DISPOSAL SYSTEM:

- INITIAL SEWAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 69'-4" LONG, WITH 4'-0" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.
- 1ST REPLACEMENT SEWERAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 76'-0" LONG, WITH 3'-6" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.
- 2ND REPLACEMENT SEWERAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 76'-0" LONG, WITH 3'-6" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.

SEE SHEET 2 FOR SYSTEM PROFILE and SPECIFICATIONS.

● INDICATES PASSING PERCOLATION TEST SITE (SEE TEST RESULTS ON SHEET 2)

PLAN VIEW

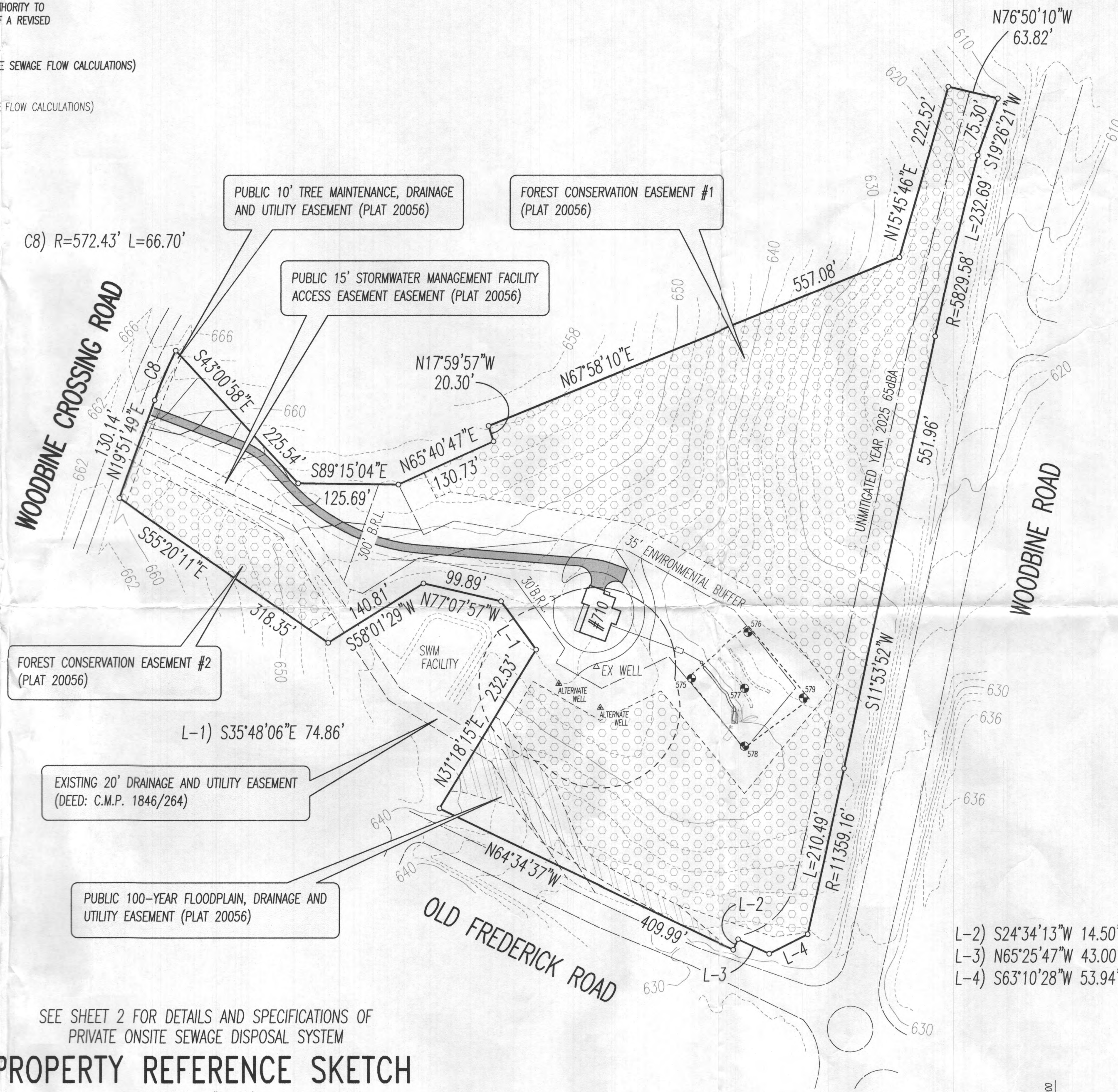
SCALE: 1"=100'

E 1291200
N 612250

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

PROPERTY REFERENCE SKETCH

SCALE: 1"=100'



SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

SEWAGE FLOW CALCULATIONS

Calculations based on State of Maryland COMAR 26.04.02.05

Proposed 4 bedroom house = 600 gallons per day
Design flowrate = 600 gallons per day

SEPTIC TANK DESIGN

Tank Volume = 1,250 gallon two-compartment, top seam, tank required. Tank shall meet all requirements under local Howard County Code, Subtitle 8, Section 3.810.

SEWAGE DISPOSAL SYSTEM DESIGN

EXISTING PERCOLATION TEST RESULTS TESTS TAKEN 6/16/2004

TEST 575 3 MIN. @ 6'-6" TEST EXCAVATED TO 13'-0" (DEEP TRENCH)
TEST 576 5 MIN. @ 4'-6" TEST EXCAVATED TO 12'-0" (DEEP TRENCH)
TEST 577 5 MIN. @ 4'-8" TEST EXCAVATED TO 13'-0" (DEEP TRENCH)
TEST 578 OBSERVATION HOLE - SATISFACTORY SOILS (DEEP TRENCH)
TEST 579 2 MIN. @ 4'-6" TEST EXCAVATED TO 12'-0" (DEEP TRENCH)

DEEP TRENCH SYSTEM DESIGN

Application Rate = 1.20 gpd / sq.ft.
Required Absorption Area of Tile Field = 600 gpd / (1.20) = 500 sq.ft.
Length of standard trench (3ft. wide) = 500 sq.ft. = 166'-8"

(INITIAL SYSTEM)
Sidewall reduction credit formula = $\frac{3+2}{3+1+2(4.0)} \times 100 = 41.6\%$

INITIAL SYSTEM: 166'-8" x 41.6% = 69'-4" DEEP TRENCH DRAIN LINE, 3FT. WIDE WITH 4'-0" DEPTH OF STONE INSTALLED BELOW DRAIN PIPE. INSTALLATION DEPTH = 4'-0" TO 8'-0"

(REPLACEMENT SYSTEMS)

Sidewall reduction credit formula = $\frac{3+2}{3+1+2(3.5)} \times 100 = 45.5\%$

REPLACEMENT SYSTEMS: 166'-8" x 45.5% = 76'-0" DEEP TRENCH DRAIN LINE, 3FT. WIDE WITH 3'-6" DEPTH OF STONE INSTALLED BELOW DRAIN PIPE. INSTALLATION DEPTH = 4'-0" TO 7'-6"

GENERAL NOTES:

- Zoning: RC-DEO (RURAL RESIDENTIAL - DENSITY EXCHANGE OPTION)
- Current Title Reference:
TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568
OPTIMUM PROPERTIES, LLC
DEED: W.A.R. 18575/307
PLAT: BUILDABLE PARCEL A - 'WOODBINE CROSSING' Plat #20056 10.0619 ACRES±
- The topography of this plat is taken from Howard County GIS data.
- Water: PRIVATE Sewer: PRIVATE
- Soil types shown hereon were taken from the National Resources Conservation Service Web Soil Survey 2.0, National Cooperative Soil Survey, Howard County, Maryland (MD013), Soil Maps Version 12, Sept. 18, 2017. (<http://websoilsurvey.nrcs.usda.gov>)
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- 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.
- The purpose of this plan is to design the private sewerage facilities and designate an area of at least 10,000 sq.ft. for private sewerage facilities, for the proposed dwelling at #710 Woodbine Crossing Road (BUILDING PERMIT #B19-000645), to comply with the Howard County Code.

Approved Septic System Plan
Howard County Health Department
Henk Douch 5/1/19
Signature Date

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ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN for #710 WOODBINE CROSSING ROAD

BUILDABLE PRESERVATION PARCEL A - 'WOODBINE CROSSING' - HOWARD COUNTY PLAT #20056 (RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN DEED: W.A.R. 18575/307)

#710 WOODBINE CROSSING ROAD
4-TH ELECTION DISTRICT

NEAR WOODBINE
HOWARD COUNTY, MARYLAND

PROPERTY OWNERS / APPLICANT

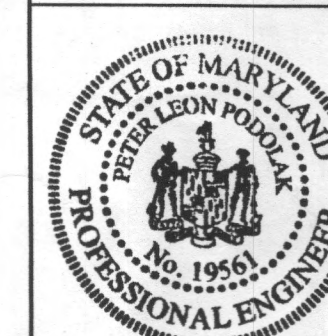
OPTIMUM PROPERTIES, LLC
#11175 STRATFIELD CT
MARRIOTTVILLE, MARYLAND 21104
CONTACT: FRANK POTEPAK PHONE: 410-977-1726

BUILDING PERMIT #B19-000645

#710 WOODBINE CROSSING ROAD

HOWARD CO. TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568

SHEET
1
OF
2



SURVEYING and CIVIL ENGINEERING
147 East Main St. (P.O. Box 268) Westminster, Maryland 21157
(410) 848-2228 - (410) 876-1226

Peter L. Podolak
Peter L. Podolak, P.E. Date

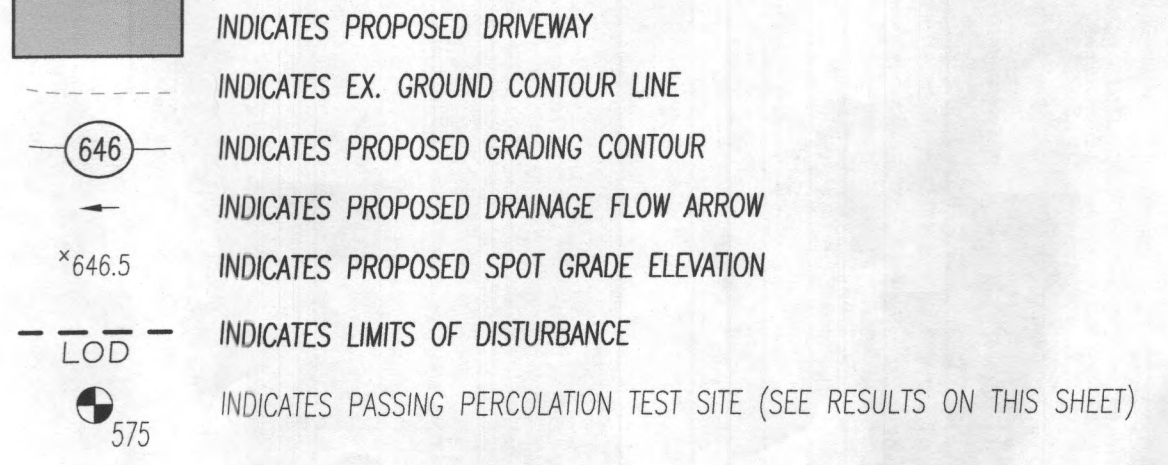
I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 19561, expiration date: 3-3-2020.

Date 4-16-2019
4-23-2019
HCHD COMMENTS
HCHD COMMENTS

Date: Mar. 25, 2019
Scale: 1"=100'
Drawing No.

I hereby certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

Peter L. Podolak
PETER L. PODOLAK, P.E. Reg.no. 19561



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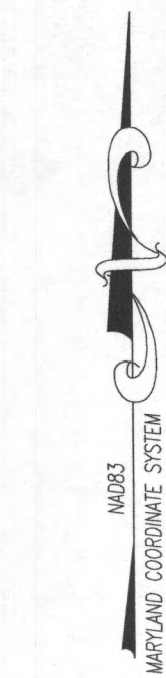
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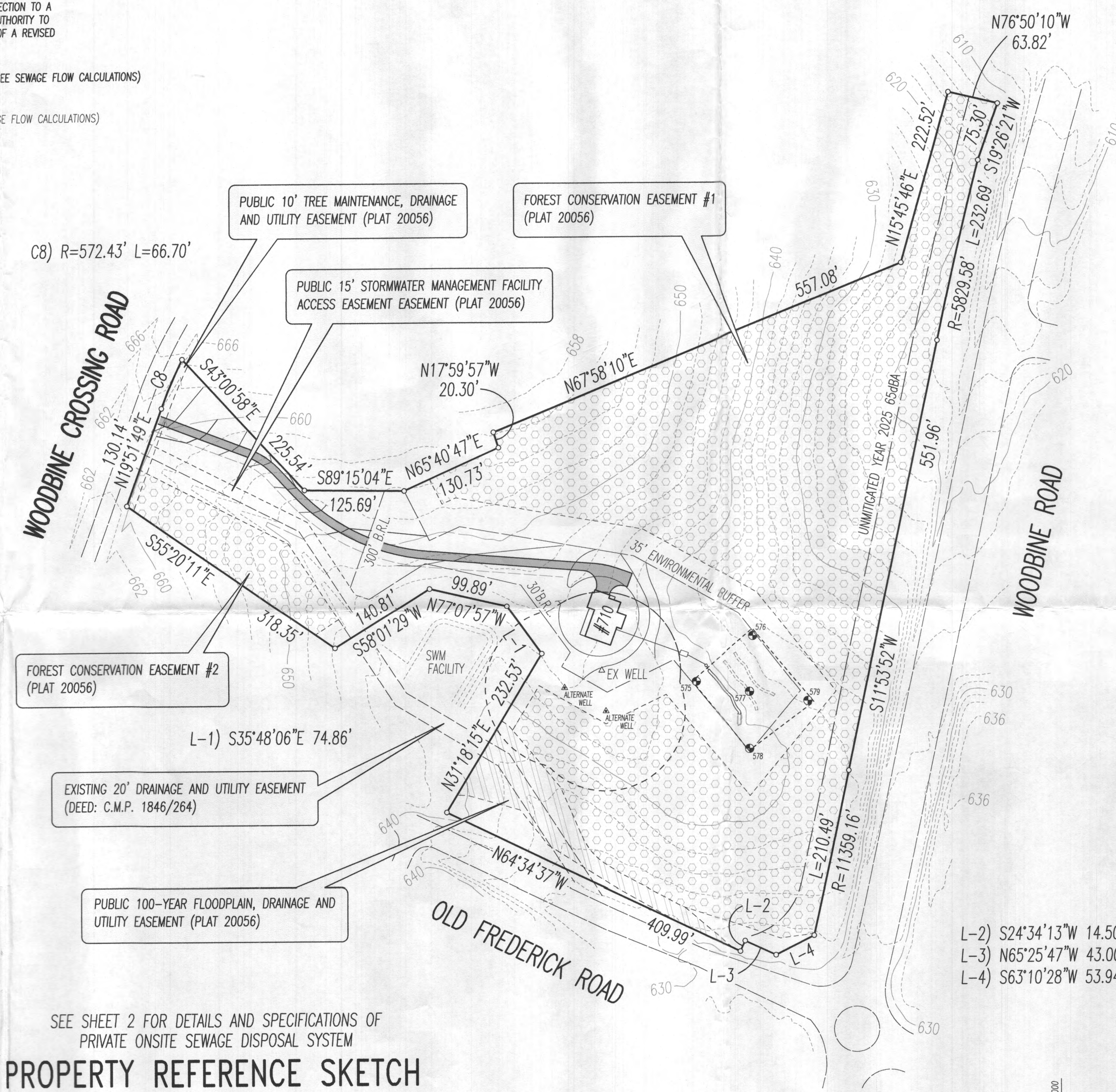
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Howard County Health Department
Hank Oswald 5/1/19
Signature Date

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#710 WOODBINE CROSSING ROAD
4-TH ELECTION DISTRICT

NEAR WOODBINE
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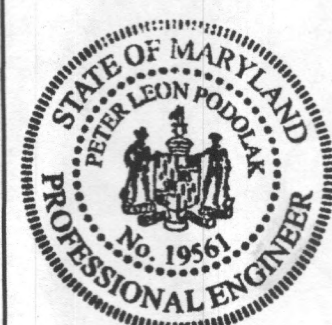
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MARIOTTSVILLE, MARYLAND 21104
CONTACT: FRANK POTEPAN PHONE: 410-977-1726

BUILDING PERMIT #B19-000645

#710 WOODBINE CROSSING ROAD HOWARD CO. TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568

LEON A. PODOLAK and ASSOCIATES, L.L.C.

SHEET
1
OF
2



SURVEYING and CIVIL ENGINEERING
147 East Main St., (P.O. Box 286) Westminster, Maryland 21157
(410) 848-2229 - (410) 876-1226

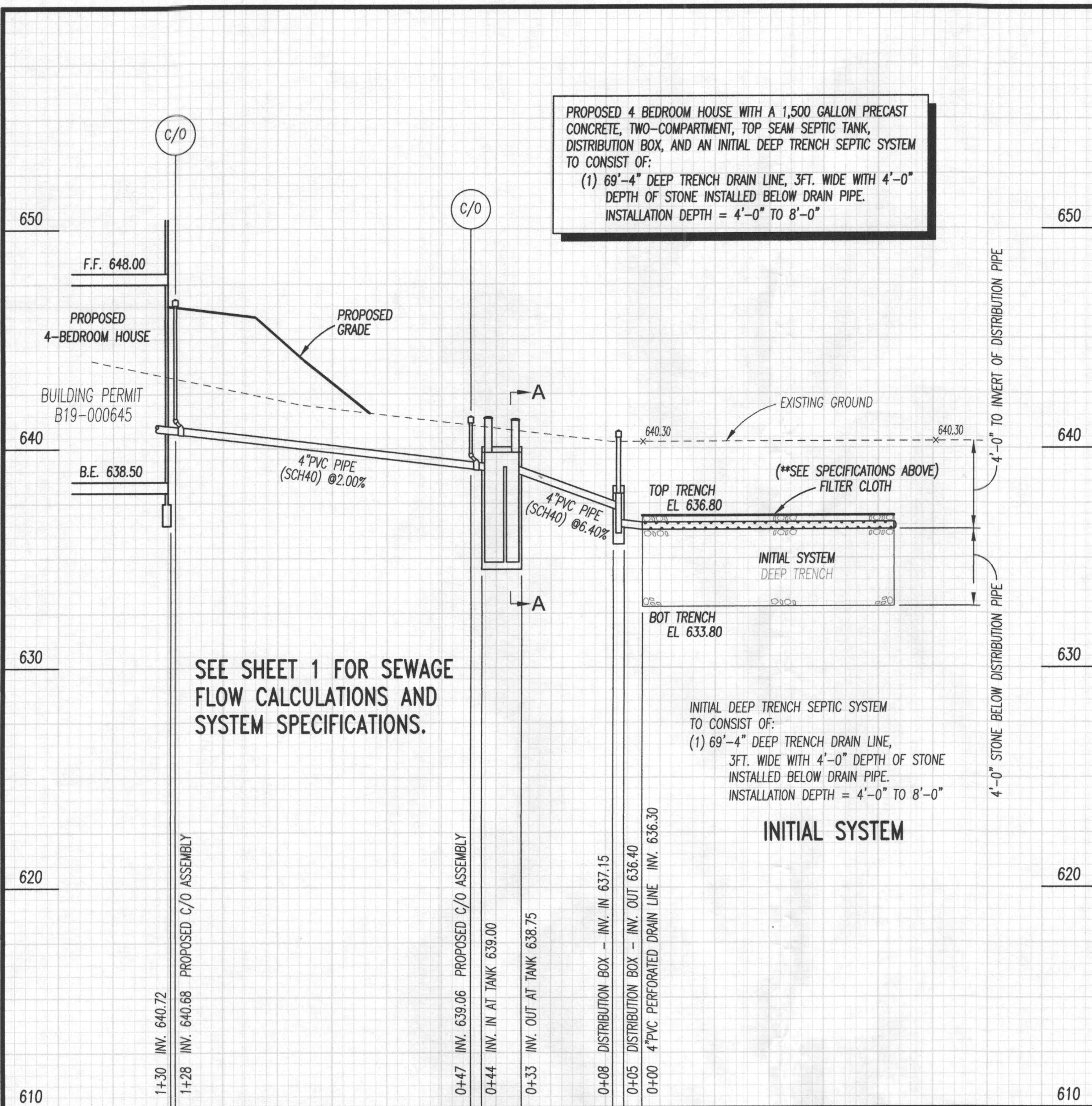
Peter L. Podolak
Peter L. Podolak, P.E. Date
I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 19561, expiration date: 3-3-2020.

Date 4-16-2019
Revision 1
Date 4-23-2019
Revision 2
Date Mar. 25, 2019
Scale: 1"=100'
Drawing No.

I hereby certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

Peter L. Podolak
PETER L. PODOLAK, P.E. Reg.no. 19561

\\lap\job_files\Catonsville_Homes\ON-SITE SEWAGE DISPOSAL DESIGN PLAN - #710 Woodbine Crossing Rd (CATONSVILLE HOMES) r2.dwg 4-23-2019



SEPTIC SYSTEM PROFILE (#710 WOODBINE CROSSING ROAD)

PROPOSED TWO-COMPARTMENT, PRECAST CONCRETE, TOP SEAM, SEPTIC TANK BY BABYLON VAULT CO. OR APPROVED EQUIVALENT.
BABYLON VAULT COMPANY
925 WAKEFIELD VALLEY ROAD
NEW WINDSOR, MD 21776
PHONE: (410) 848-0393

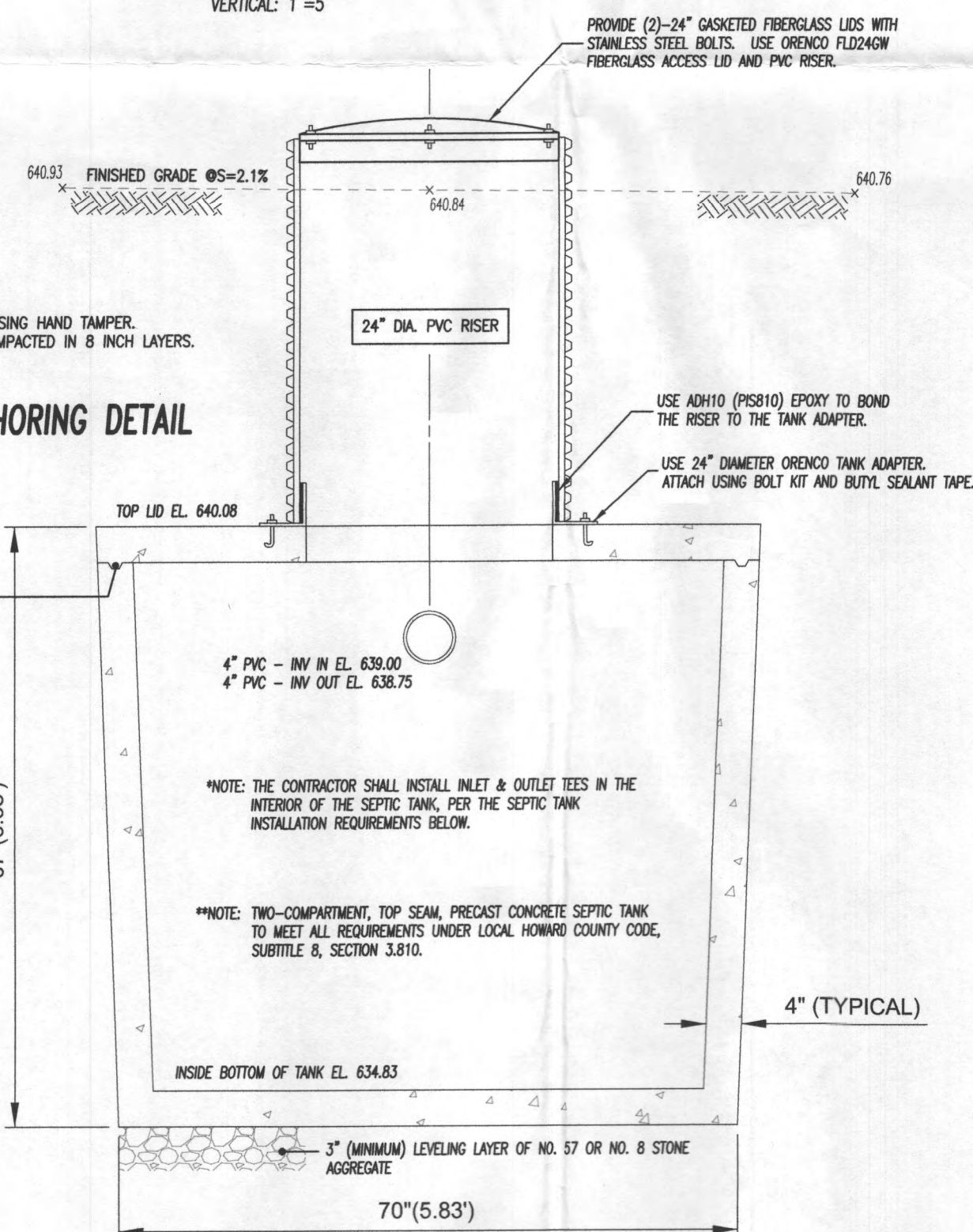
SCALE: HORIZONTAL: 1"=30'
VERTICAL: 1"=5'

CONSTRUCTION NOTE:
1. COMPACT AROUND TANK AND RISER USING HAND TAMPER.
ALL BACKFILL MATERIAL SHALL BE COMPACTED IN 8 INCH LAYERS.

24" RISER TANK ANCHORING DETAIL

NOT TO SCALE

PROVIDE A CONTINUOUS BEAD OF MASTIC ROPE AROUND THE PERIMETER OF THE TANK AS SHOWN.

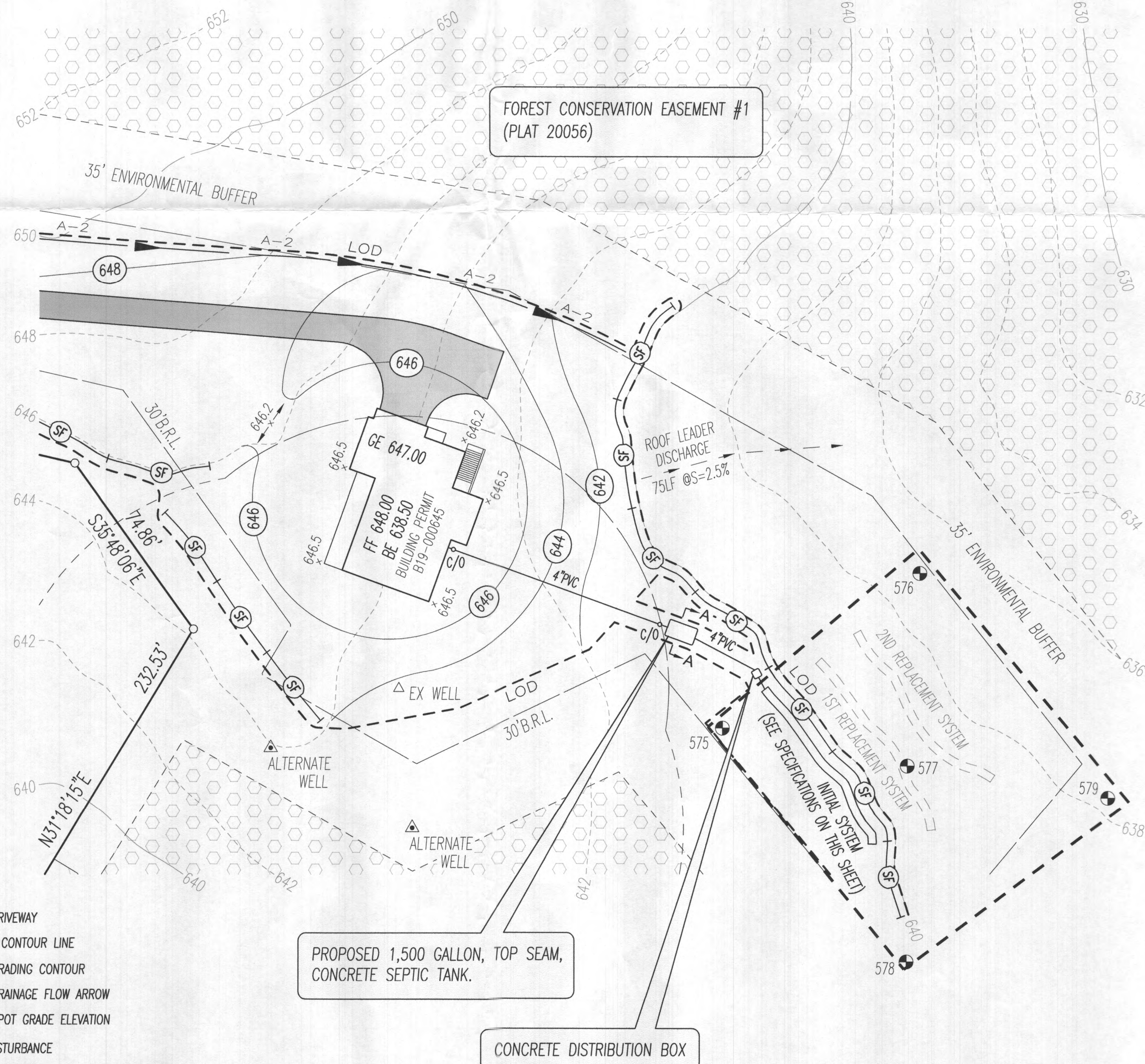


SEPTIC TANK INSTALLATION REQUIREMENTS

THE FOLLOWING REQUIREMENTS APPLY TO THE INSTALLATION OF SEPTIC TANKS.

- THE INLET AND OUTLET TEES SHALL BE LOCATED A MINIMUM OF 6 INCHES FROM THE OPENINGS OF THE TANK.
- THE TEES SHALL EXTEND FROM NEAR THE TOP OF THE TANK TO A POINT 16 INCHES BELOW THE INVERTS OF THE OPENINGS.
- SANITARY TEES SHALL CONFORM TO THE FOLLOWING STANDARDS:
 - THE INLET TEE'S VERTICAL LEG MUST BE A MINIMUM OF 6 INCHES IN DIAMETER AND ITS HORIZONTAL LEG A MINIMUM OF 4 INCHES IN DIAMETER.
 - THE OUTLET TEE'S VERTICAL AND HORIZONTAL LEGS SHALL BE A MINIMUM OF 4 INCHES IN DIAMETER.
 - THE VERTICAL LEG OF BOTH THE INLET AND OUTLET TEE MUST EXTEND 16 INCHES BELOW THE INVERT OF THE HORIZONTAL LEG AND NOT LESS THAN 3 INCHES ABOVE THE CROWN OF THE HORIZONTAL LEG.
 - TEES SHALL BE CONSTRUCTED OF SCH 40 OR SDR 35 PVC PIPE.

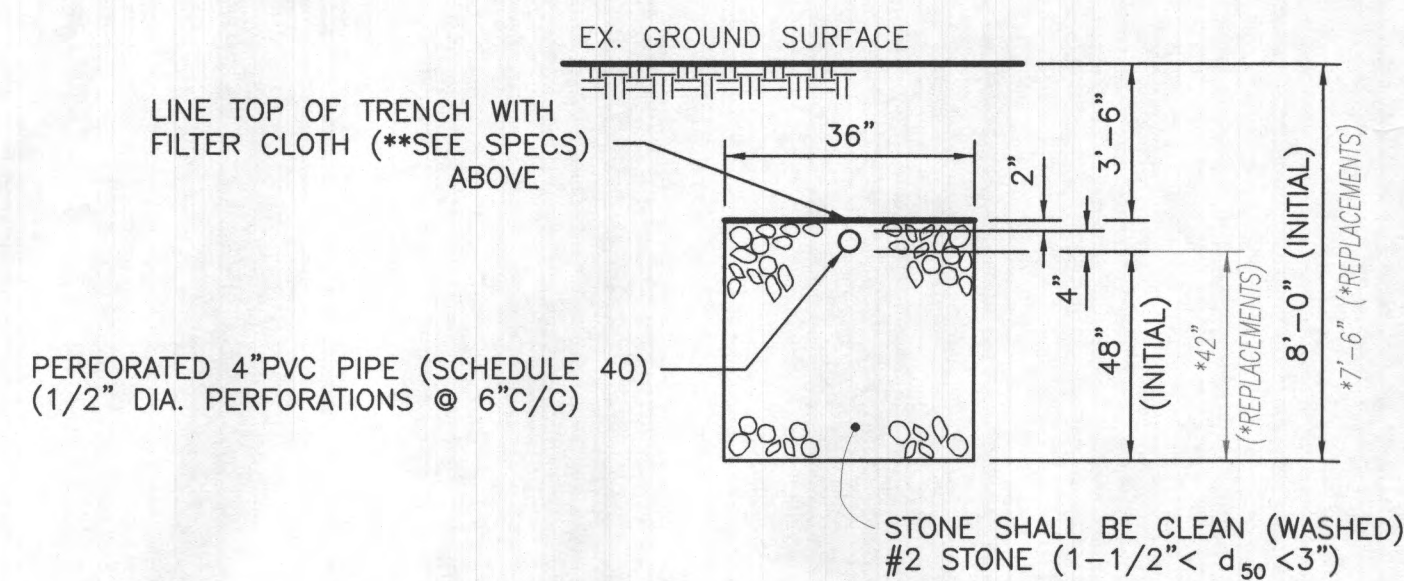
- INDICATES PROPOSED DRIVEWAY
- INDICATES EX. GROUND CONTOUR LINE
- INDICATES PROPOSED GRADING CONTOUR
- INDICATES PROPOSED DRAINAGE FLOW ARROW
- INDICATES PROPOSED SPOT GRADE ELEVATION
- INDICATES LIMITS OF DISTURBANCE
- INDICATES PASSING PERCOLATION TEST SITE (SEE RESULTS ON THIS SHEET)



**FILTER CLOTH SPECIFICATIONS

FILTER CLOTH SHALL MEET OR EXCEED THE FOLLOWING PHYSICAL PROPERTIES:

- Permittivity (ASTM D4491B3) = 0.1sec⁻¹(MIN)
- Opening Size (ASTM D4751-87) = 60 (U.S. sieve size) (MAX)
- Flowrate (ASTM D4451-85) = 10 gal/min/ft (MIN)
- Mullen Burst (ASTM D3786) = 200 psi (MIN)

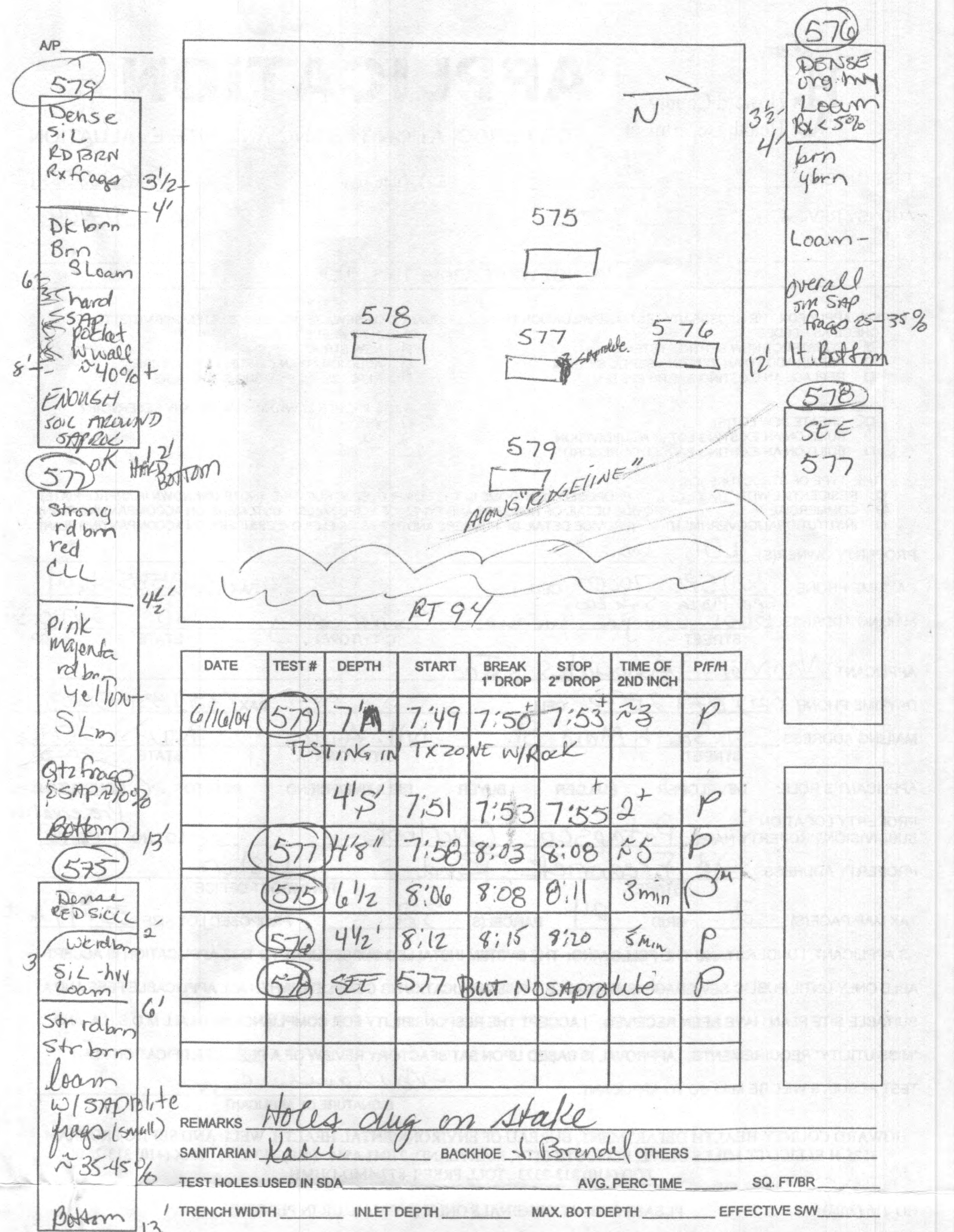


ON-SITE SEWAGE DISPOSAL PLAN NOTES:

- 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 tanks is 3 feet. Greater earth cover will require a heavy load bearing tank.
- Electrical work for the installation must be performed by a licensed electrician.
- The well 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.

PERCOLATION TEST RESULTS

TESTS TAKEN: JUNE 16, 2004



PLAN VIEW DETAIL, PERCOLATION TEST RESULTS, SYSTEM PROFILE and SPECIFICATIONS

#710 WOODBINE CROSSING ROAD

HOWARD CO. TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568

BUILDING PERMIT #B19-000645

SHEET	LEON A. PODOLAK and ASSOCIATES, L.L.C.		Date	
	2 OF 2		4-16-2019	
2	OF	2	SURVEYING and CIVIL ENGINEERING	
			147 East Main St. (P.O. Box 266) Westminster, Maryland 21157	
2	OF	2	(410) 848-2229 - (410) 876-1226	
			Peter L. Podolak, P.E.	
2	OF	2	Date	
			Mar. 25, 2019	
2	OF	2	Scale: 1"=30'	
			Drawing No.	

SYMBOLS LEGEND

- INDICATES PASSING PERCOLATION TEST SITE (SEE TEST RESULTS ON SHEET 2)
- INDICATES EXISTING WELL LOCATION
- INDICATES ALTERNATE WELL LOCATION
- INDICATES EXISTING GROUND CONTOUR LINE
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- INDICATES INITIAL PRIVATE SEPTIC SYSTEM DRAIN LINE TO BE INSTALLED (SEE SEWAGE FLOW CALCULATIONS) (SEE SHEET 2 FOR SYSTEM PROFILE and SPECIFICATIONS)
- INDICATES REPLACEMENT PRIVATE SEPTIC SYSTEM DRAIN LINES (SEE SEWAGE FLOW CALCULATIONS)

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

PROPOSED PRIVATE SEWAGE DISPOSAL SYSTEM:

- INITIAL SEWERAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 69'-4" LONG, WITH 4'-0" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.
- 1ST REPLACEMENT SEWERAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 76'-0" LONG, WITH 3'-6" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.
- 2ND REPLACEMENT SEWERAGE DISPOSAL SYSTEM SHALL CONSIST OF:
- 1 (ONE) DEEP TRENCH DRAIN LINE, 3FT. WIDE, 76'-0" LONG, WITH 3'-6" DEPTH OF STONE BELOW INVERT OF THE DRAIN LINE.

SEE SHEET 2 FOR SYSTEM PROFILE and SPECIFICATIONS.

INDICATES PASSING PERCOLATION TEST SITE (SEE TEST RESULTS ON SHEET 2)

PLAN VIEW

SCALE: 1"=100'

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

PROPERTY REFERENCE SKETCH

SCALE: 1"=100'

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

SEWAGE FLOW CALCULATIONS

Calculations based on State of Maryland COMAR 26.04.02.05

Proposed 4 bedroom house = 600 gallons per day

Design flowrate = 600 gallons per day

SEPTIC TANK DESIGN

Tank Volume = 1,250 gallon two-compartment, top seam, tank required. Tank shall meet all requirements under local Howard County Code, Subtitle 8, Section 3.810.

SEWAGE DISPOSAL SYSTEM DESIGN

EXISTING PERCOLATION TEST RESULTS TESTS TAKEN 6/16/2004

TEST 575 3 MIN. @ 6'-6" TEST EXCAVATED TO 13'-0" (DEEP TRENCH)

TEST 576 5 MIN. @ 4'-6" TEST EXCAVATED TO 12'-0" (DEEP TRENCH)

TEST 577 5 MIN. @ 4'-8" TEST EXCAVATED TO 13'-0" (DEEP TRENCH)

TEST 578 OBSERVATION HOLE - SATISFACTORY SOILS (DEEP TRENCH)

TEST 579 2 MIN. @ 4'-6" TEST EXCAVATED TO 12'-0" (DEEP TRENCH)

DEEP TRENCH SYSTEM DESIGN

Application Rate = 1.20 gpd / sq.ft.

Required Absorption Area of Tile Field = 600 gpd / (1.20) = 500 sq.ft.

Length of standard trench (3ft. wide) = 500 sq.ft. = 166'-8"

(INITIAL SYSTEM)

Sidewall reduction credit formula = $\frac{3+2}{3+1+2(4.0)} \times 100 = 41.6\%$

INITIAL SYSTEM: 166'-8" x 41.6% = 69'-4" DEEP TRENCH DRAIN LINE, 3FT. WIDE WITH 4'-0" DEPTH OF STONE INSTALLED BELOW DRAIN PIPE. INSTALLATION DEPTH = 4'-0" TO 8'-0"

(REPLACEMENT SYSTEMS)

Sidewall reduction credit formula = $\frac{3+2}{3+1+2(3.5)} \times 100 = 45.5\%$

REPLACEMENT SYSTEMS: 166'-8" x 45.5% = 76'-0" DEEP TRENCH DRAIN LINE, 3FT. WIDE WITH 3'-6" DEPTH OF STONE INSTALLED BELOW DRAIN PIPE. INSTALLATION DEPTH = 4'-0" TO 7'-6"

GENERAL NOTES:

- Zoning: RC-DEO (RURAL RESIDENTIAL - DENSITY EXCHANGE OPTION)
- Current Title Reference:
TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568
OPTIMUM PROPERTIES, LLC
DEED: W.A.R. 18575/307
PLAT: BUILDABLE PARCEL A - 'WOODBINE CROSSING' Plat #20056 10.0619 ACRES±
- The topography of this plat is taken from Howard County GIS data.
- Water: PRIVATE Sewer: PRIVATE
- Soil types shown hereon were taken from the National Resources Conservation Service Web Soil Survey 2.0, National Cooperative Soil Survey, Howard County, Maryland (MD013), Soil Maps Version 12, Sept. 18, 2017. (<http://websoilsurvey.nrcs.usda.gov>)
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- 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.
- The purpose of this plan is to design the private sewerage facilities and designate an area of at least 10,000 sq.ft. for private sewerage facilities, for the proposed dwelling at #710 Woodbine Crossing Road (BUILDING PERMIT #B19-000645), to comply with the Howard County Code.

Approved Septic System Plan
Howard County Health Department
Handwritten Signature: 5/1/19
Signature Date

SEE SHEET 2 FOR DETAILS AND SPECIFICATIONS OF PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN for #710 WOODBINE CROSSING ROAD

BUILDABLE PRESERVATION PARCEL A - 'WOODBINE CROSSING' - HOWARD COUNTY PLAT #20056 (RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN DEED: W.A.R. 18575/307)

#710 WOODBINE CROSSING ROAD
4-TH ELECTION DISTRICT

NEAR WOODBINE
HOWARD COUNTY, MARYLAND

PROPERTY OWNERS / APPLICANT

OPTIMUM PROPERTIES, LLC
#11175 STRATFIELD CT
MARRIOTTSTOWN, MARYLAND 21104
CONTACT: FRANK POTEPAW PHONE: 410-977-1726

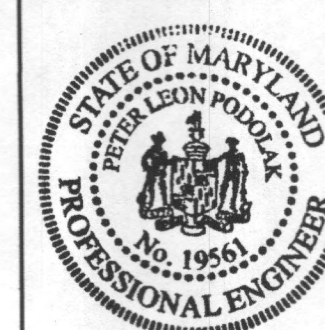
BUILDING PERMIT #B19-000645

#710 WOODBINE CROSSING ROAD

HOWARD CO. TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568

LEON A. PODOLAK and ASSOCIATES, L.L.C.

SHEET
1
OF
2



SURVEYING and CIVIL ENGINEERING
147 East Main St. (P.O. Box 266) Westminster, Maryland 21157
(410) 848-2229 - (410) 876-1226

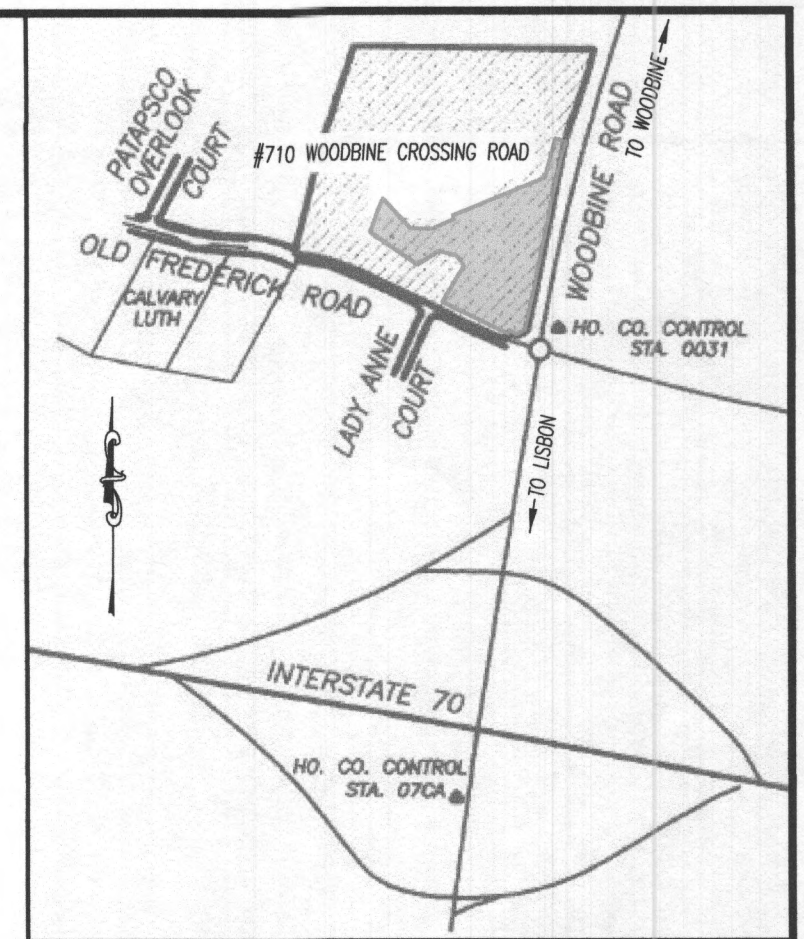
Peter L. Podolak, P.E.
I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 19561, expiration date: 3-3-2020.

Date	Revision
4-10-2019	H20 COMMENTS
4-23-2019	H20 COMMENTS

Date: Mar. 25, 2019
Scale: 1"=100'
Drawing No.

I hereby certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

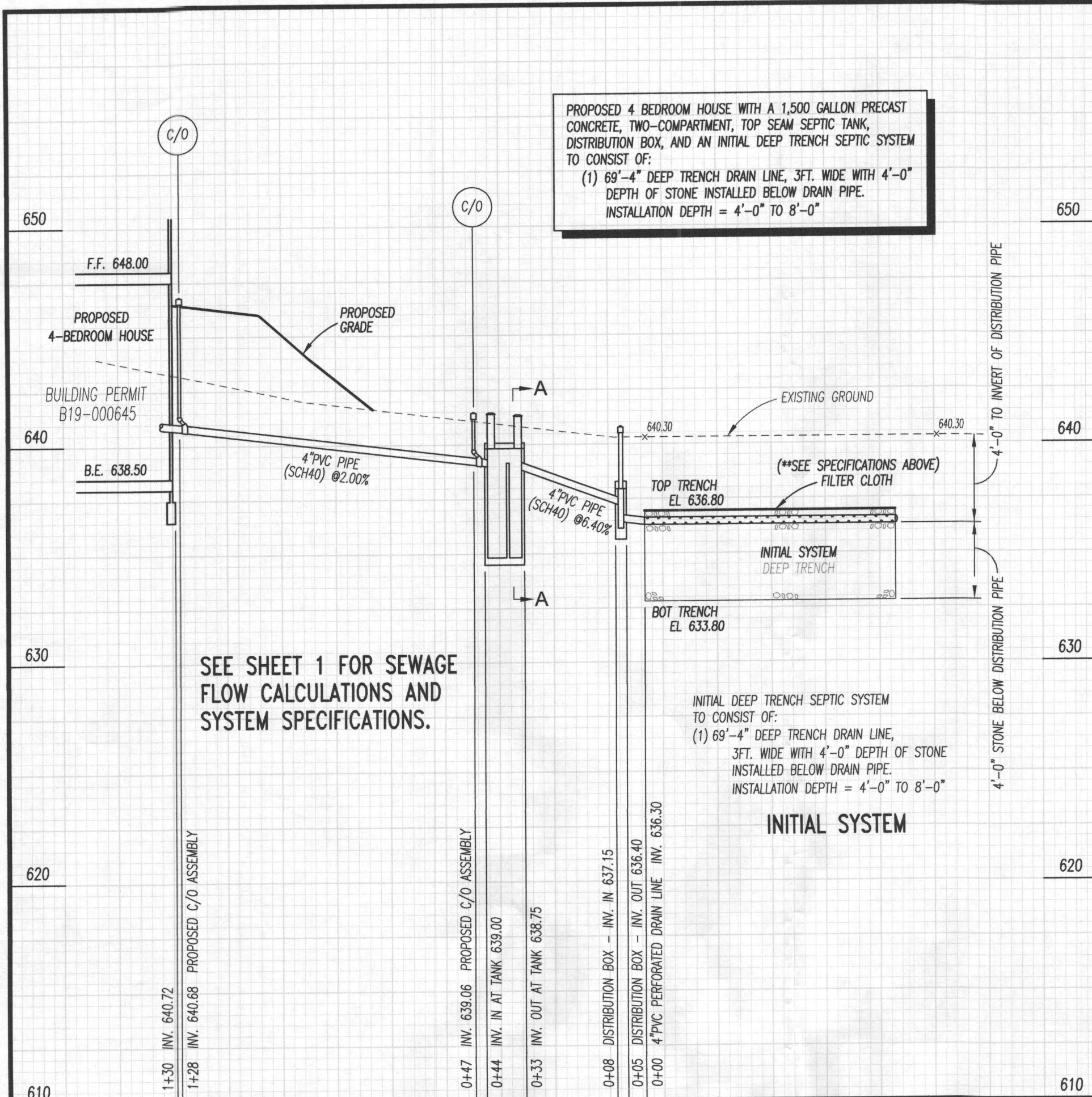
Peter L. Podolak
PETER L. PODOLAK, P.E.
Reg.no. 19561



VICINITY MAP

Scale 1" = 1000'

\\lap\Job Files\Catonsville Homes\ON-SITE SEWAGE DISPOSAL DESIGN PLAN - #710 Woodbine Crossing Rd (CATONSVILLE HOMES) (2.dwg 4-23-2019



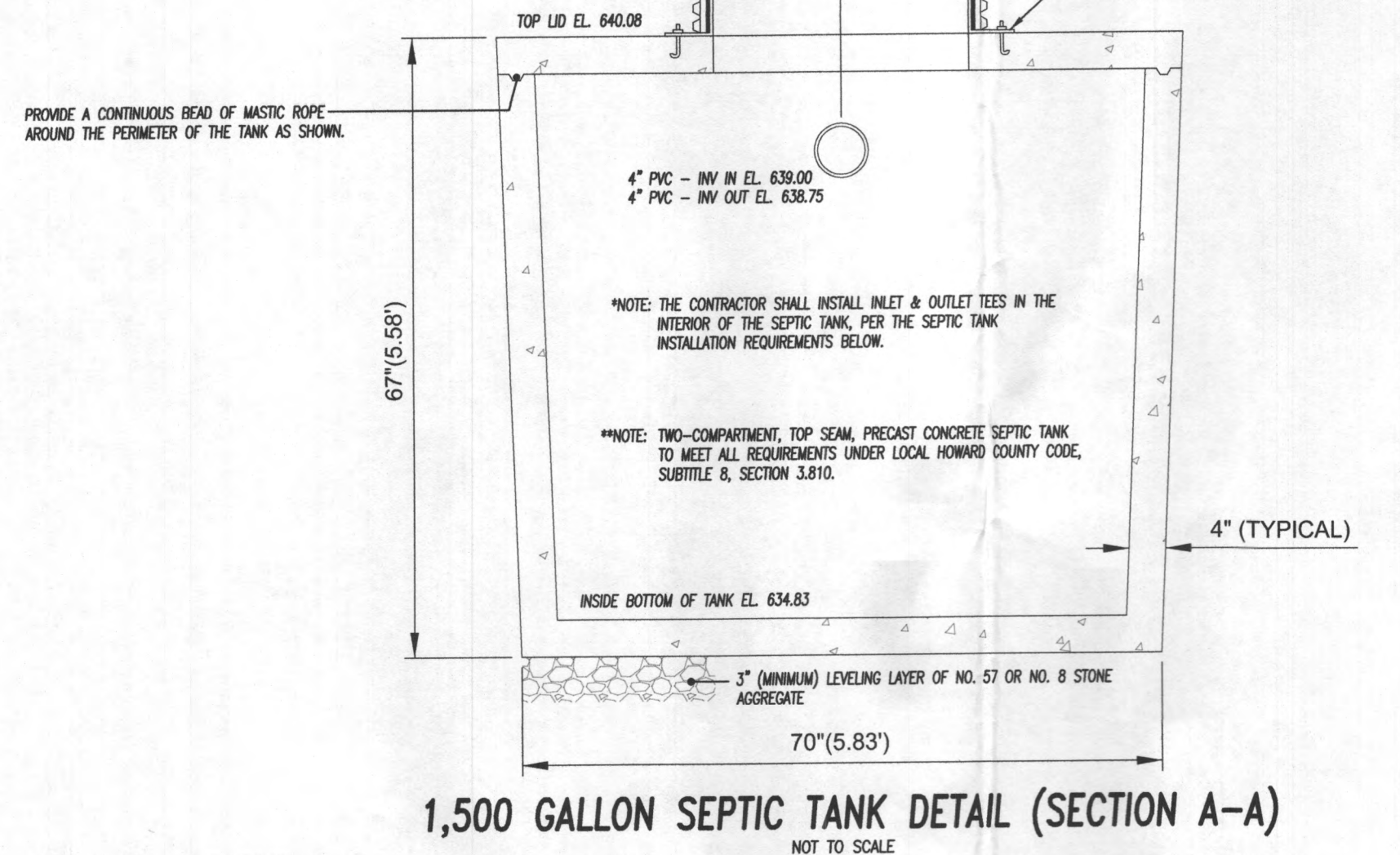
SEPTIC SYSTEM PROFILE (#710 WOODBINE CROSSING ROAD)

PROPOSED TWO-COMPARTMENT, PRECAST CONCRETE, TOP SEAM, SEPTIC TANK BY BABYLON VAULT CO. OR APPROVED EQUIVALENT.
BABYLON VAULT COMPANY
925 WAKEFIELD VALLEY ROAD
NEW WINDSOR, MD 21776
PHONE: (410) 848-0393

CONSTRUCTION NOTE:
1. COMPACT AROUND TANK AND RISER USING HAND TAMPER.
ALL BACKFILL MATERIAL SHALL BE COMPACTED IN 8 INCH LAYERS.

24" RISER TANK ANCHORING DETAIL

NOT TO SCALE

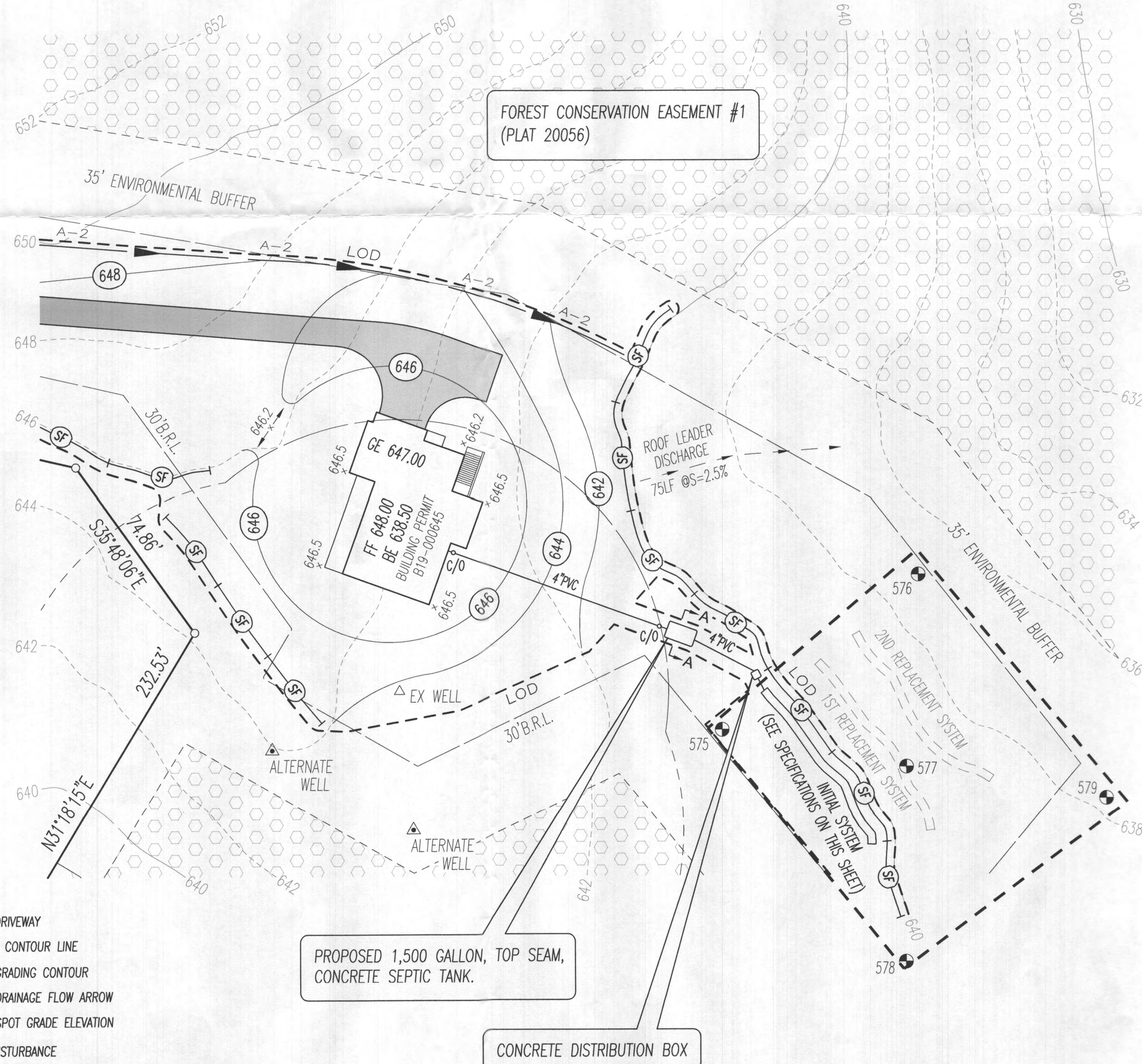


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- (2) THE TEES SHALL EXTEND FROM NEAR THE TOP OF THE TANK TO A POINT 16 INCHES BELOW THE INVERTS OF THE OPENINGS.
- (3) SANITARY TEES SHALL CONFORM TO THE FOLLOWING STANDARDS:
 - (i) THE INLET TEE'S VERTICAL LEG MUST BE A MINIMUM OF 6 INCHES IN DIAMETER AND ITS HORIZONTAL LEG A MINIMUM OF 4 INCHES IN DIAMETER.
 - (ii) THE OUTLET TEE'S VERTICAL AND HORIZONTAL LEGS SHALL BE A MINIMUM OF 4 INCHES IN DIAMETER.
 - (iii) THE VERTICAL LEG OF BOTH THE INLET AND OUTLET TEE MUST EXTEND 16 INCHES BELOW THE INVERT OF THE HORIZONTAL LEG AND NOT LESS THAN 3 INCHES ABOVE THE CROWN OF THE HORIZONTAL LEG.
 - (iv) TEES SHALL BE CONSTRUCTED OF SCH 40 OR SDR 35 PVC PIPE.

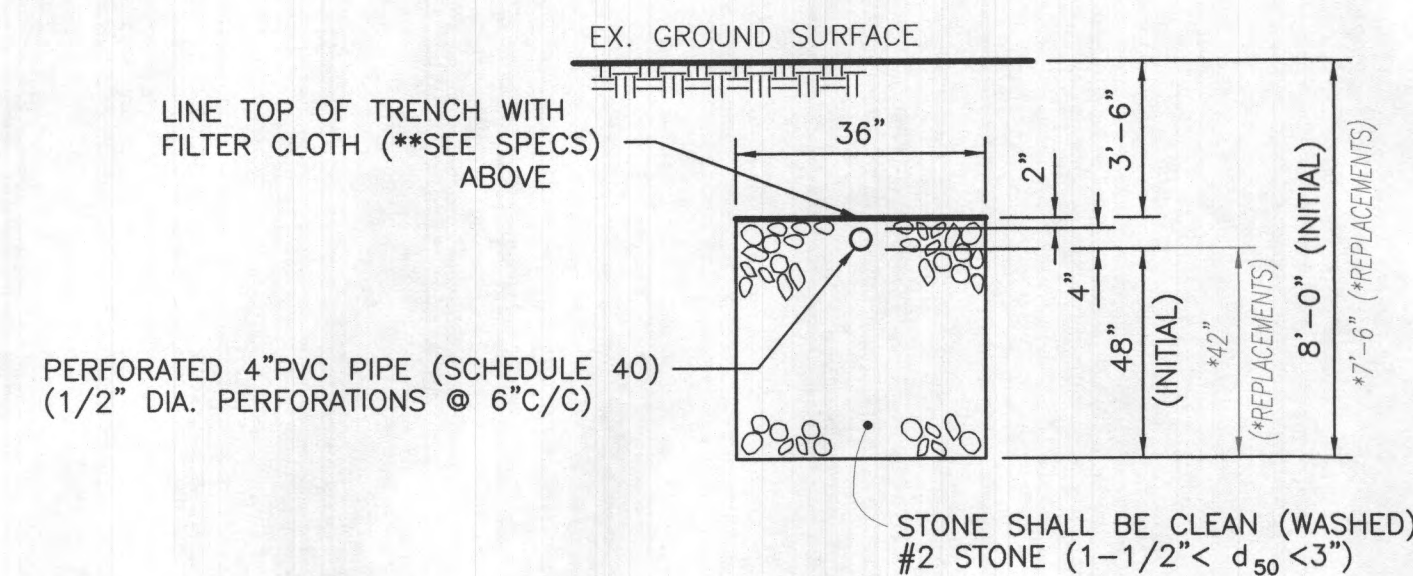
- INDICATES PROPOSED DRIVEWAY
- INDICATES EX. GROUND CONTOUR LINE
- INDICATES PROPOSED GRADING CONTOUR
- INDICATES PROPOSED DRAINAGE FLOW ARROW
- INDICATES PROPOSED SPOT GRADE ELEVATION
- INDICATES LIMITS OF DISTURBANCE
- INDICATES PASSING PERCOLATION TEST SITE (SEE RESULTS ON THIS SHEET)



**FILTER CLOTH SPECIFICATIONS

FILTER CLOTH SHALL MEET OR EXCEED THE FOLLOWING PHYSICAL PROPERTIES:

- A. Permittivity (ASTM D4491B5) = 0.1sec⁻¹(MIN)
- B. Opening Size (ASTM D4751-87) = 60 (U.S. sieve size) (MAX)
- C. Flowrate (ASTM D4451-85) = 10 gal/min/ft (MIN)
- D. Mullen Burst (ASTM D3786) = 200 psi (MIN)

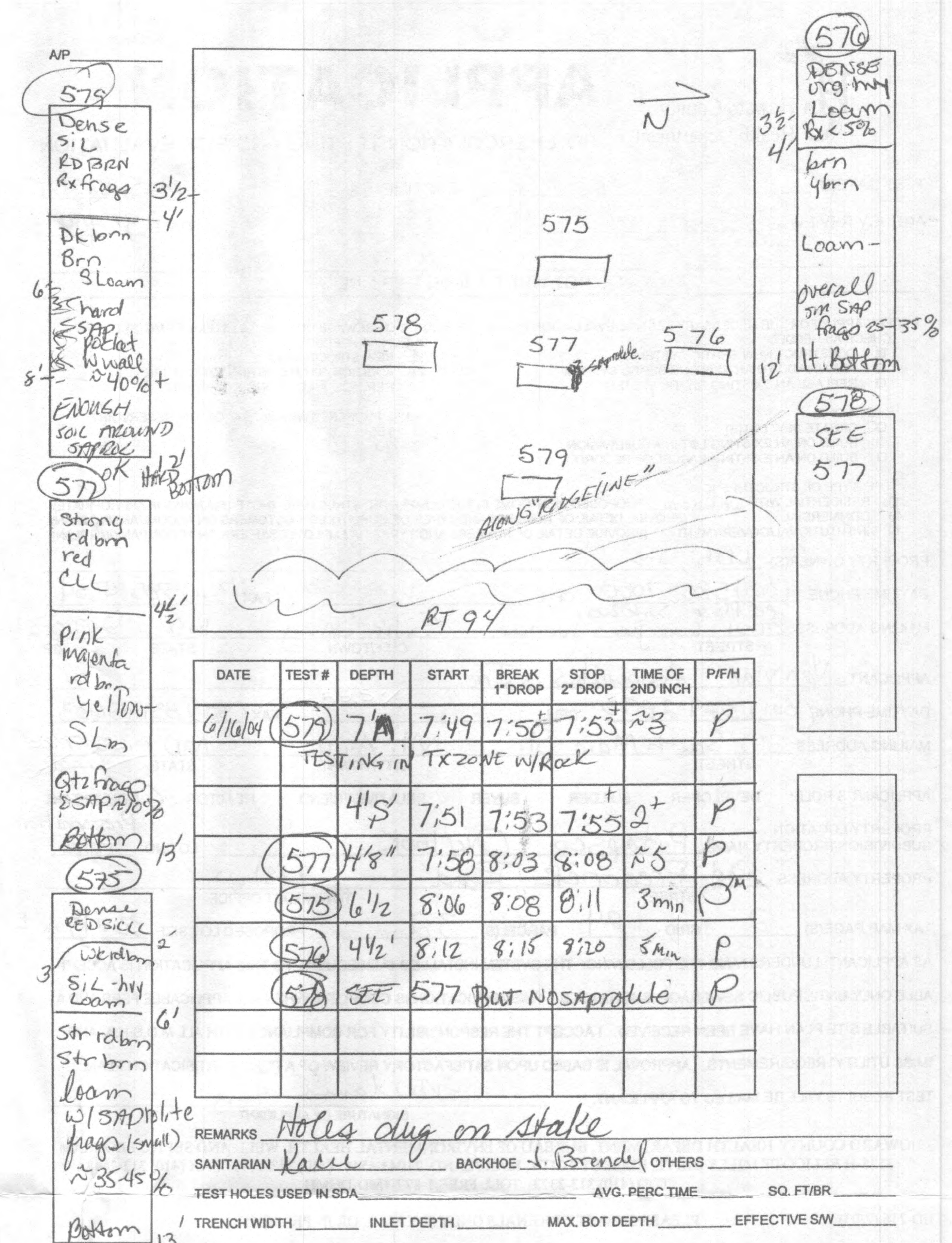


ON-SITE SEWAGE DISPOSAL PLAN NOTES:

1. 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.
2. The maximum earth cover over the tanks is 3 feet. Greater earth cover will require a heavy load bearing tank.
3. Electrical work for the installation must be performed by a licensed electrician.
4. The well has been field located and is accurately shown.
5. 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.

PERCOLATION TEST RESULTS

TESTS TAKEN: JUNE 16, 2004



PLAN VIEW

SCALE: 1"=30'

BUILDING PERMIT #B19-000645

PLAN VIEW DETAIL, PERCOLATION TEST RESULTS, SYSTEM PROFILE and SPECIFICATIONS

BUILDING PERMIT #B19-000645

#710 WOODBINE CROSSING ROAD

HOWARD CO. TAX MAP: 2 GRID: 24 PARCEL: 253 TAX ACCT. NO.: 04-374568

SHEET 2 OF 2		LEON A. PODOLAK and ASSOCIATES, L.L.C.	
		SURVEYING and CIVIL ENGINEERING 147 East Main St. (P.O. Box 266) Westminster, Maryland 21157 (410) 848-2229 - (410) 876-1226	
Peter L. Podolak, P.E. I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 19561, expiration date: 3-3-2020.		Date 4-16-2019 3-23-2019	Revision HCH COMMENTS HCH COMMENTS
Date: Mar. 25, 2019 Scale: 1"=30' Drawing No.			

Oswald, Hank

From: Oswald, Hank
Sent: Monday, April 22, 2019 10:54 AM
To: buck@lapodolak.com
Subject: OSDS Plan_710 Woodbine Crossing Road

Hi Buck:

I have just a couple of comments on the plan. I checked with Babylon Vault, and they do not make a 1250 gallon two compartment tank. They make 1500 gallon two compartment tank. Please consult with them on specs and show tank on plan. In addition, the initial trench depth is 8 ft deep (not 6.5 ft). The trench stone starts 2 inches above the trench invert and ends at the bottom of the trench.

Please make these changes and we should be good to go.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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

MEMORANDUM

TO: Leon Podolak & Associates, LLC
147 east Main Street
Westminster, MD 21157

FROM: Hank Oswald, L.E.H.S.
Well & Septic Program

RE: 710 Woodbine Crossing Road

Date: April 8, 2019

The following comments pertain to the review of the OSDS Plan for 710 Woodbine Crossing Road

- 1.) The SDA on the OSDS Plan does not match the SDA on the approved Perc Cert Plan.
- 2.) The proposed septic tank must have two compartments and meet all other requirements under local **Howard County Code, Subtitle 8, Section 3.810.**
- 3.) In keeping with proper system design and ease of maintenance, raise septic tank as high as possible while maintaining 2 % fall with a minimum of 6 inches of cover and raise d-box and trench inverts as high as possible while maintaining 2 % fall and a minimum 18 inch trench inverts. (Note: Trench inverts may not exceed 4 feet in depth).
- 4.) Show trenches on contour.

Oswald, Hank

From: Oswald, Hank
Sent: Monday, April 08, 2019 10:50 AM
To: 'Frank Potepan'
Cc: Williams, Jeffrey
Subject: RE: Onsite Sewage Disposal Plan_710 Woodbine Crossing Road
Attachments: OSDS Memo_710 Woodbine Crossing Road_2019.pdf

Hello Mr. Potepan

Attached, please find a memo containing comments on the OSDS Plan for 710 Woodbine Crossing Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

From: Frank Potepan <FPotepan@catonsvillehomes.com>
Sent: Monday, April 08, 2019 10:27 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Re: Onsite Sewage Disposal Plan_710 Woodbine Crossing Road

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

Thanks

Sent from my iPhone

On Apr 8, 2019, at 7:32 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Yes, I have reviewed it and I need to discuss with my supervisor. I will get back to you soon.

Thanks,

Hank

From: Frank Potepan <FPotepan@catonsvillehomes.com>
Sent: Friday, April 05, 2019 2:22 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Frank Potepan <FPotepan@catonsvillehomes.com>
Subject: RE: Onsite Sewage Disposal Plan_710 Woodbine Crossing Road

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

Hank,

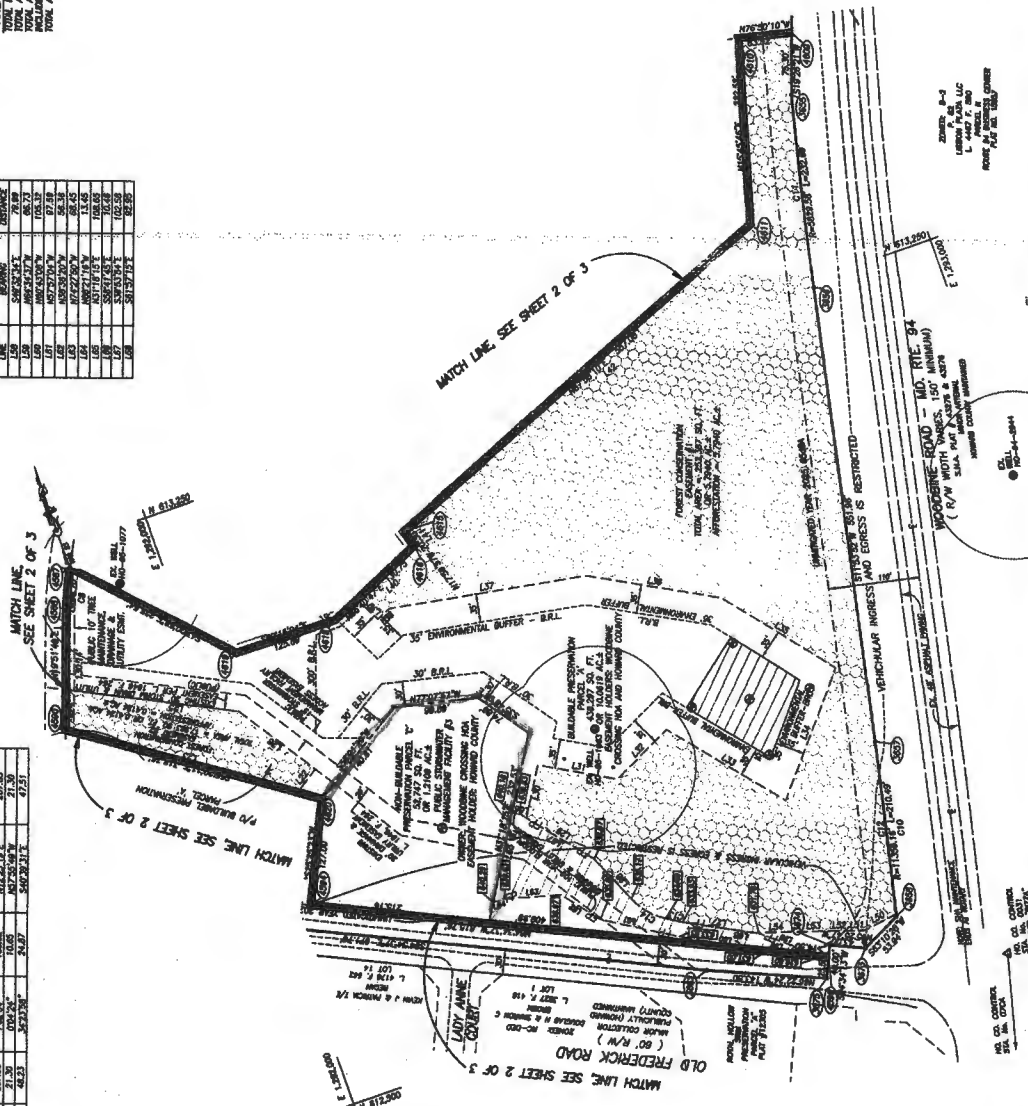
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	NORTHING	EASTING
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3558	615201.419	1252000.180
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3560	615201.419	1252000.180
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3633	615201.419	1252000.180
3634	615201.419	1252000.180
3635	615201.419	1252000.180

LINE	BOARING	DISTANCE
L58	S49°32'14"E	78.89
L59	N68°25'27"W	65.73
L60	N62°45'08"W	105.37
L61	N67°57'04"W	87.59
L62	N59°29'20"W	56.38
L63	N74°27'50"W	68.45
L64	N82°21'18"W	13.45
L65	N41°18'15"E	108.05
L66	S58°11'43"E	70.48
L67	S39°43'54"E	102.58
L68	S41°27'15"E	85.85

AREA TABULATION CHART

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED:	2
TOTAL AREA OF LOTS AND/OR PARCELS	401,044 SQ. FT. OR 11,2728 AC±
TOTAL AREA OF HIGHWAY TO BE RECORDED	—
TOTAL AREA INCLUDING NEIGHBOR STRIPS	—
TOTAL AREA OF SUBDIVISION TO BE RECORDED:	401,044 SQ. FT. OR 11,2728 AC±

FRONT COMPARTMENT			REMARKS
LINE	DESCRIPTION	AMOUNT	
1.00	500.00	500.00	
1.01	500.00	500.00	
1.02	500.00	500.00	
1.03	500.00	500.00	
1.04	500.00	500.00	
1.05	500.00	500.00	
1.06	500.00	500.00	
1.07	500.00	500.00	
1.08	500.00	500.00	
1.09	500.00	500.00	
1.10	500.00	500.00	
1.11	500.00	500.00	
1.12	500.00	500.00	
1.13	500.00	500.00	
1.14	500.00	500.00	
1.15	500.00	500.00	
1.16	500.00	500.00	
1.17	500.00	500.00	
1.18	500.00	500.00	
1.19	500.00	500.00	
1.20	500.00	500.00	
1.21	500.00	500.00	
1.22	500.00	500.00	
1.23	500.00	500.00	
1.24	500.00	500.00	
1.25	500.00	500.00	
1.26	500.00	500.00	
1.27	500.00	500.00	
1.28	500.00	500.00	
1.29	500.00	500.00	
1.30	500.00	500.00	
1.31	500.00	500.00	
1.32	500.00	500.00	
1.33	500.00	500.00	
1.34	500.00	500.00	
1.35	500.00	500.00	
1.36	500.00	500.00	
1.37	500.00	500.00	
1.38	500.00	500.00	
1.39	500.00	500.00	
1.40	500.00	500.00	
1.41	500.00	500.00	
1.42	500.00	500.00	
1.43	500.00	500.00	
1.44	500.00	500.00	
1.45	500.00	500.00	
1.46	500.00	500.00	
1.47	500.00	500.00	
1.48	500.00	500.00	
1.49	500.00	500.00	
1.50	500.00	500.00	
1.51	500.00	500.00	
1.52	500.00	500.00	
1.53	500.00	500.00	
1.54	500.00	500.00	
1.55	500.00	500.00	
1.56	500.00	500.00	
1.57	500.00	500.00	
1.58	500.00	500.00	
1.59	500.00	500.00	
1.60	500.00	500.00	
1.61	500.00	500.00	
1.62	500.00	500.00	
1.63	500.00	500.00	
1.64	500.00	500.00	
1.65	500.00	500.00	
1.66	500.00	500.00	
1.67	500.00	500.00	
1.68	500.00	500.00	
1.69	500.00	500.00	
1.70	500.00	500.00	
1.71	500.00	500.00	
1.72	500.00	500.00	
1.73	500.00	500.00	
1.74	500.00	500.00	
1.75	500.00	500.00	
1.76	500.00	500.00	
1.77	500.00	500.00	
1.78	500.00	500.00	
1.79	500.00	500.00	
1.80	500.00	500.00	
1.81	500.00	500.00	
1.82	500.00	500.00	
1.83	500.00	500.00	
1.84	500.00	500.00	
1.85	500.00	500.00	
1.86	500.00	500.00	
1.87	500.00	500.00	
1.88	500.00	500.00	
1.89	500.00	500.00	
1.90	500.00	500.00	
1.91	500.00	500.00	
1.92	500.00	500.00	
1.93	500.00	500.00	
1.94	500.00	500.00	
1.95	500.00	500.00	
1.96	500.00	500.00	
1.97	500.00	500.00	
1.98	500.00	500.00	
1.99	500.00	500.00	
2.00	500.00	500.00	



CHADZ
LDC, INC.
LEE PLAZA, SUITE 300
3001 GERRON AVENUE
ELDER SPRING, MARYLAND 20610
(301) 444-7000

RECORDED AS PLAT 2005-608 7/31/09 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

WOODBINE CROSSING
FINAL PLAT
(FORMERLY PATAPSCO OVERLOOK-SECTION FOUR)
LOTS 1-15; BUILDABLE PRESERVATION PARCEL A
AND NON-BUILDABLE PRESERVATION PARCELS B, C & D
PART OF THE LANDS CONVEYED TO LUG, INC.
LIBER 1988 AT FOLIO 258
REFERENCE: DEPT. EX. NO. 60-00000000000000000000

REFERENCE OF P. FILE. 3F 00-000 / MULTIBEAR GRASSING

TAX MAP 2 ELECTION DISTRICT FOURTH
 PARCEL NO. 32 HOWARD COUNTY, MARYLAND
 GRID NO. 24 EX. ZONING: RC-DEO

SCALE: 1" = 100'
 DATE: JUNE 2008
 SHEET 3 OF 3



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
110 South Main Street P.O. Box 228
Annapolis, MD, Maryland 21771
(301) 223-2850 (301) 251-2015 (410) 246-2761

SURVEYOR'S CERTIFICATE

[illegible]

1. Vincent
T. MICHAEL VANSANT, L.S. NO. 21208

OWNER'S STATEMENT

[illegible]

WITNESS MY HAND THIS 13th DAY OF June, 2008.

[Signature]
 LJO INC., OWNER
 [Signature]

THE REQUIREMENTS OF § 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE

SELLING OF AMMOGINS HAVE BEEN COMPLETED WITH

1. W. W. W. W. W. 6/12/2008
T. JAMES WINSLOW, L.S. NO. 21238 DATE

2. W. W. W. W. W. 6/13/2008
L.S. NO. 21238 DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

WYOMING COUNTY HEALTH DEPARTMENT
 APPROVED: Peter Bidleman 3/8/2008
 WYOMING COUNTY HEALTH OFFICER DATE
 APPROVED: _____
 WYOMING COUNTY DEPARTMENT OF
 HEALTH

PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE 7/11/68
7/14/68

11175 Stratfield Ct
Marriottsville, Md 21104
Phone: 410-442-2211, ext. 206
Cell: 410-977-1726
Fax: 410-442-2215
fpotepan@catonsvillehomes.com

Frank E. Potepan, III

Transmittal

To: Howard County Health Dept

From: Frank Potepan

Fax:

Pages:

Phone:

Date: March 26, 2019

Re:

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

● Comments:

Per your request please see the modified septic design you requested for 710 Woodbine Crossing road permit # B19-000645