

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: 9/27/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 566387
 APPROVAL DATE: 10/11/2019 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 7016 Deer Valley Road
 SUBDIVISION: Cissel Farm Estates LOT: 17 TAX ID: _____
 CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kim@foglesinc.com
 CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670
 PROPERTY OWNER: David and Regina Barry EMAIL: _____
 OWNER ADDRESS: 1802 Belvedere Boulevard, Silver Spring, MD 20902 PHONE: _____
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Mayer Bros or equivalent
 PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: 2000

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>86.67</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</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:	<u>1 x 8' TRENCH</u>	

ISSUED BY: Spencer Freemon ISSUE DATE: _____ EXPIRATION DATE: 9/30/20

- 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 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.**

NOT TO SCALE

TRENCH/DRAINFIELD DATA

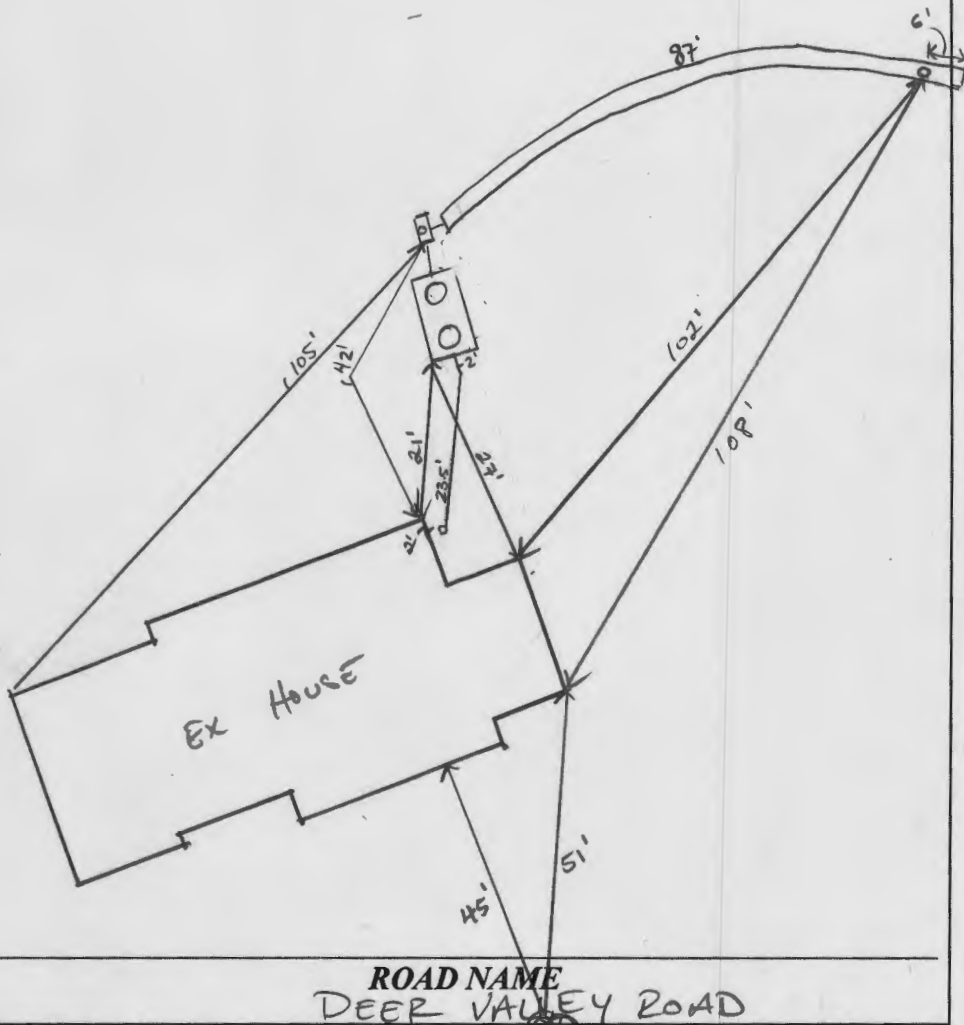
WIDTH	INLET	BOTTOM
3'	2.5'	8'
NUMBER OF TRENCHES		1
TOTAL LENGTH		87 F
ABSORPTION AREA		261 SF + SIDE WALL
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	08/05/2019

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:

10/07/2019 MUST STAKE ENTIRE SDA AND REMOVE FILL AND STONE. STONE FROM SAVAGE WAS INFERIOR/MARGINAL IN COMPOSITION AND DENSITY. RECOMMENDED FINAL LOAD FROM FINKSBURG, WHERE FIRST TWO LOADS CAME FROM. 10/09/2019 TANK BUTT UP AGAINST 20' SET BACK AND WELL ARC. CONTINUE SHOT 1x87' TRENCH. ABLE TO BRING IT ABOVE PERC HOLE. OK TO START.

INSTALLATION: 10/10/2019 SEWER LINE INSTALLED. TANK SCHEDULED FOR AFTER NOON. 10/11/2019 TANK CONFIRMED. D BOX AND TRENCH INSTALLED. D BOX NO SPEED LEVEL, ONLY ONE TRENCH. OBS PORT IS 6' FROM END OF TRENCH. OK TO BACKFILL.

FINAL INSPECTOR

DATE OF APPROVAL

10/11/2019

FTFinksburg Dispatch
410-833-4400Finksburg Sales
410-833-4400Laurel Sand & Gravel, Inc. T/A
S. W. Barrick & Sons
Finksburg Terminal
FINKSBURG, MARYLAND

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

INSPECTOR'S COPYFAX
410-833-4390BILLING INQUIRIES
1-800-762-2294**TICKET #00463011**

STATION FT

DATE 10/07/19 TIME 08:00:52

CUSTOMER FOGSEP
FOGLE'S SEPTIC CLEAN INC.
558R OBRECHT RD.
SYKESVILLE, MD 21784JOB DEERVA : DEER VALLEY
P.O. # PROJECT #:TRUCK 3031 LICENSE
DRIVER: FOGEL SEPTIC

3 AXLES

				Loads	Tons
GROSS	SCALE A	68800 lb	DAILY	1	20.27
TARE	IN (STORED)	28260 lb	TOTAL	2	40.16
NET		40540 lb	TIME IN 08:00:52		TIME OUT 08:00:52
NET		20.27 t			

MAT'L 0022 : #2 STONE
HAUL ZONE 0000

VEIGHMASTER

Cassidy Lindemann

RECEIVED BY



FTFinksburg Dispatch
410-833-4400Finksburg Sales
410-833-4400Laurel Sand & Gravel, Inc. T/A
S. W. Barrick & Sons
Finksburg Terminal

FINKSBURG, MARYLAND

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

INSPECTOR'S COPY

FAX
410-833-4909BILLING INQUIRIES
1-800-762-2294

TICKET 000463047

STATION FT

DATE 10/07/19 TIME 09:50:46

CUSTOMER FOGSEP
FOGLE'S SEPTIC CLEAN INC.
558R DBRECHT RD.
SYKESVILLE, MD 21784JOB DEERVA : DEER VALLEY
P.O. # PROJECT #:TRUCK 3031 LICENSE
DRIVER: FOGEL SEPTIC

3 AXLES

	SCALE A		Loads	Tons
GROSS		71000 lb	DAILY 2	41.64
TARE	IN (STORED)	28260 lb	TOTAL 3	61.53
NET		42740 lb	TIME IN 09:50:46	TIME OUT 09:50:46
NET		21.37 t		

MAT'L 0022 : #2 STONE
HAUL ZONE 0000

WEIGHMASTER

Cassidy Lindemann

RECEIVED BY



We are an Equal Opportunity Employer

DISPATCH / SALES
301-953-8973
410-792-3753

SAVAGE STONE, LLC

SAVAGE, MARYLAND

Mailing Address: P.O. Box 850, Laurel, Maryland 20725

BILLING INQUIRIES INSPECTOR'S COPY
301-953-7650
410-792-7234

TICKET #01483513

STATION SB

DATE 10/07/19 TIME 11:15:05

CUSTOMER FOGSEP
FOGLE'S SEPTIC CLEAN, INC.
558R OBRECHT ROAD
SYKEVILLE, MD 21784

JOB PICKUP : PICK UP
P.O. # PROJECT #:

TRUCK FS3031 LICENSE
DRIVER: FOGLE BEPTIC

0 AXLES

	15		
GROSS	67100	DAILY	1
TARE (STORED)	28160	TOTAL	338
NET	38940	TIME IN 11:15:05	5877.90
NET TONS	19.47	TIME OUT 11:15:05	

Loads

Tons

MAT'L 0022 : WASHED #2 STONE
HAUL ZONE 0000

WEIGHMASTER _____

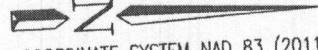
RECEIVED BY _____

Gail Harrison

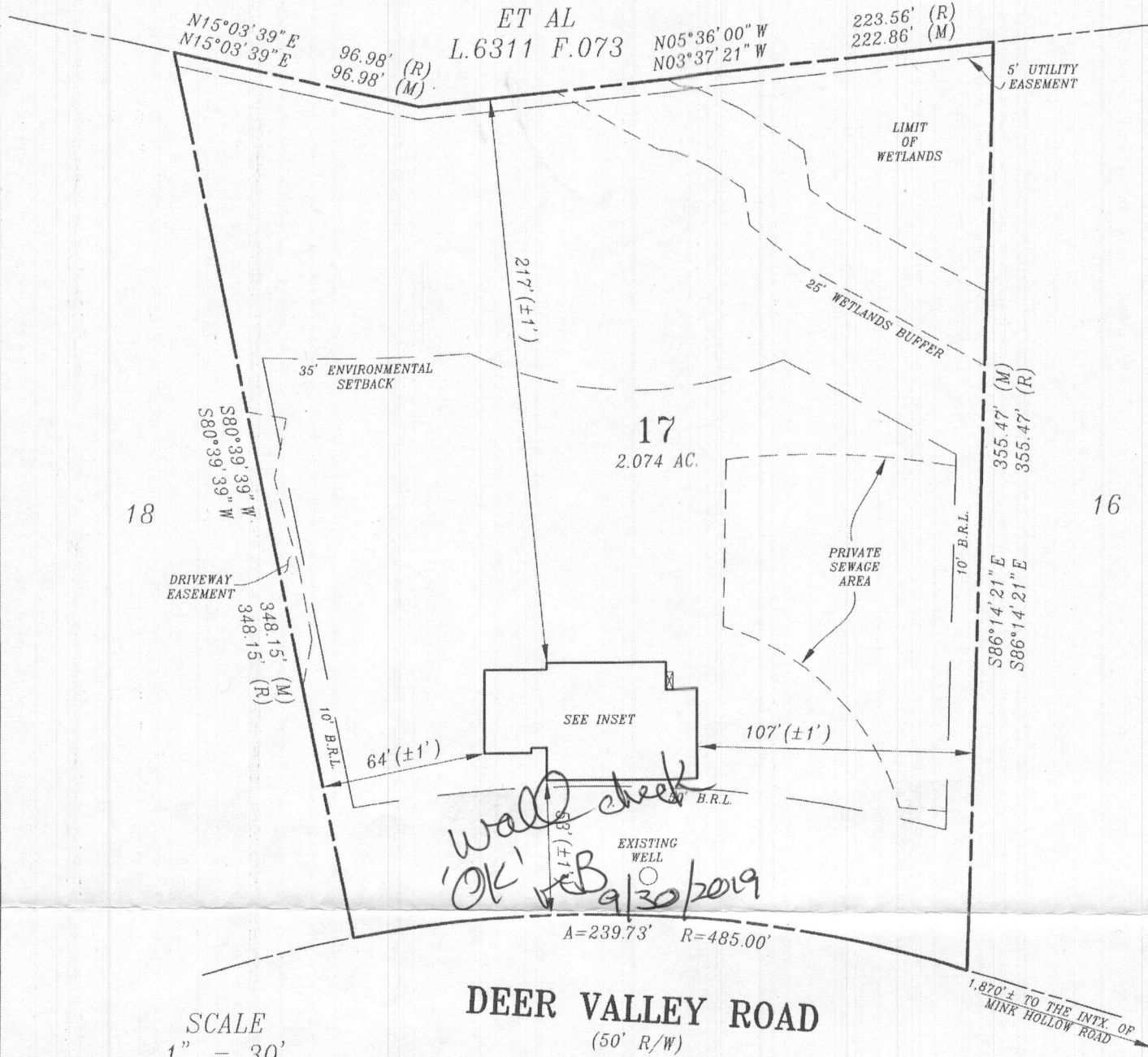
SAFETY FIRST! 5MPH PLEASE CHECK YOUR TICKET! STAY BEAUTIFUL!



WALL CHECK EXHIBIT
 7016 DEER VALLEY ROAD
 LOT 17
CISSEL FARM - SECTION 3
 CLARKSVILLE (5th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

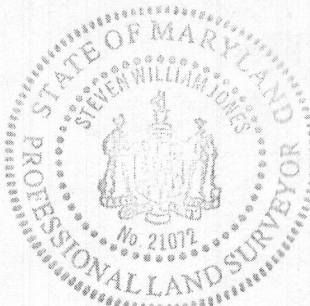
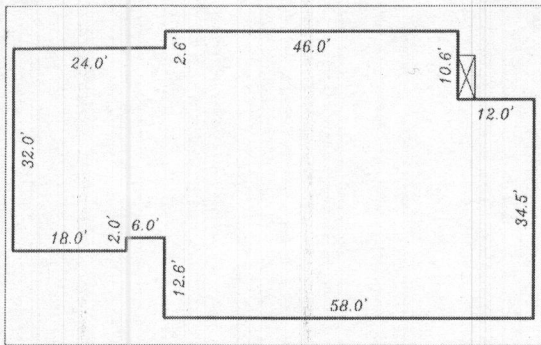
SCALE: 1"=60'

 MD COORDINATE SYSTEM NAD 83 (2011)
 NAVD88

N/F
 JOSEPH SMITH JR, TRUSTEE
 ET AL
 L.6311 F.073



SCALE
 1" = 30'

DEER VALLEY ROAD
 (50' R/W)



THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" - AREA OF MINIMAL FLOODING AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP FOR HOWARD COUNTY, MARYLAND, COMMUNITY-PANEL No. 24027C0140D, EFFECTIVE DATE 11/6/2013.

TOP OF GARAGE SLAB ELEVATION = 484.58'
 TOP OF FOUNDATION SLAB ELEVATION = 476.61'
 TOP OF FOUNDATION WALL ELEVATION = 485.28'

FOUNDATION SURVEY: 08/08/2019

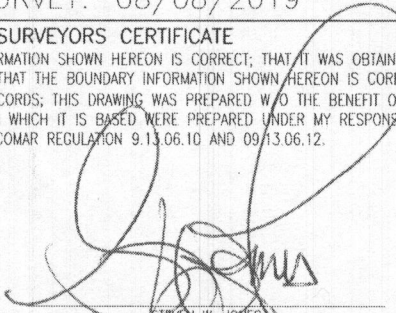
ZONE: RR-DEO

PERMIT NUMBER: B19001829

SURVEYORS CERTIFICATE
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT; THAT IT WAS OBTAINED USING ACCEPTED LAND SURVEYING PRACTICES; THAT THE BOUNDARY INFORMATION SHOWN HEREON IS CORRECT AND TAKEN FROM AVAILABLE DEEDS AND RECORDS; THIS DRAWING WAS PREPARED W/O THE BENEFIT OF A TITLE REPORT; THIS PLAT AND THE SURVEY ON WHICH IT IS BASED WERE PREPARED UNDER MY RESPONSIBLE CHARGE AND ARE IN COMPLIANCE WITH COMAR REGULATION 9.13.06.10 AND 09/13.06.12.

CPJ Charles P. Johnson & Associates, Inc.
 Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
 1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394
 www.cpj.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA

9/13/19

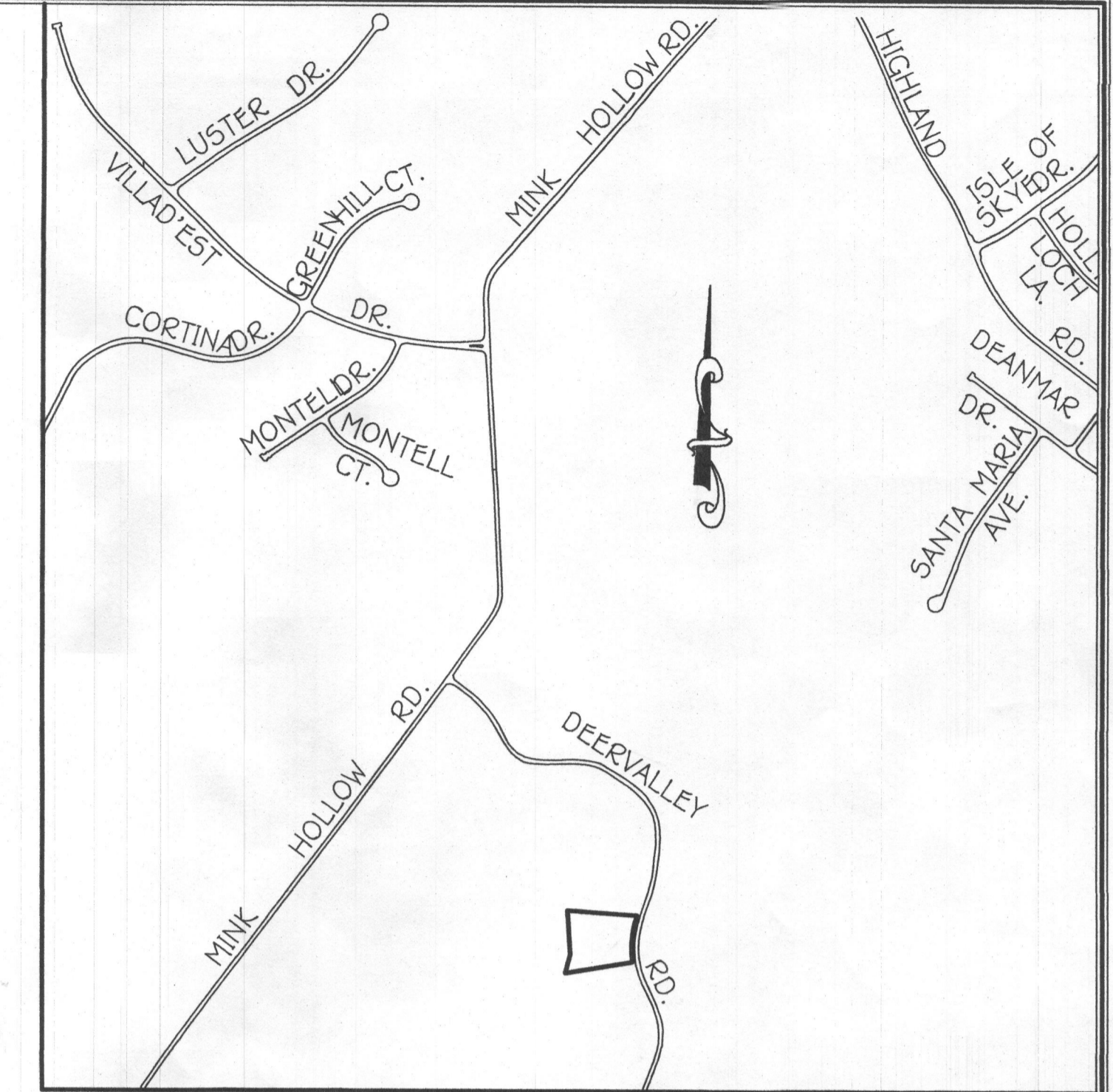

 STEVEN W. JONES
 REG. PROFESSIONAL LAND SURVEYOR MD.
 NO. 21072 EXP. 2/08/2021

REFERENCE	Drawn by WRJ	Checked by
Plat No. 25084	Date 08/08/2019	Record No.
	Scale 1"=60'	48-346-88.17

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 TANK 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 HO-18-0064 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.

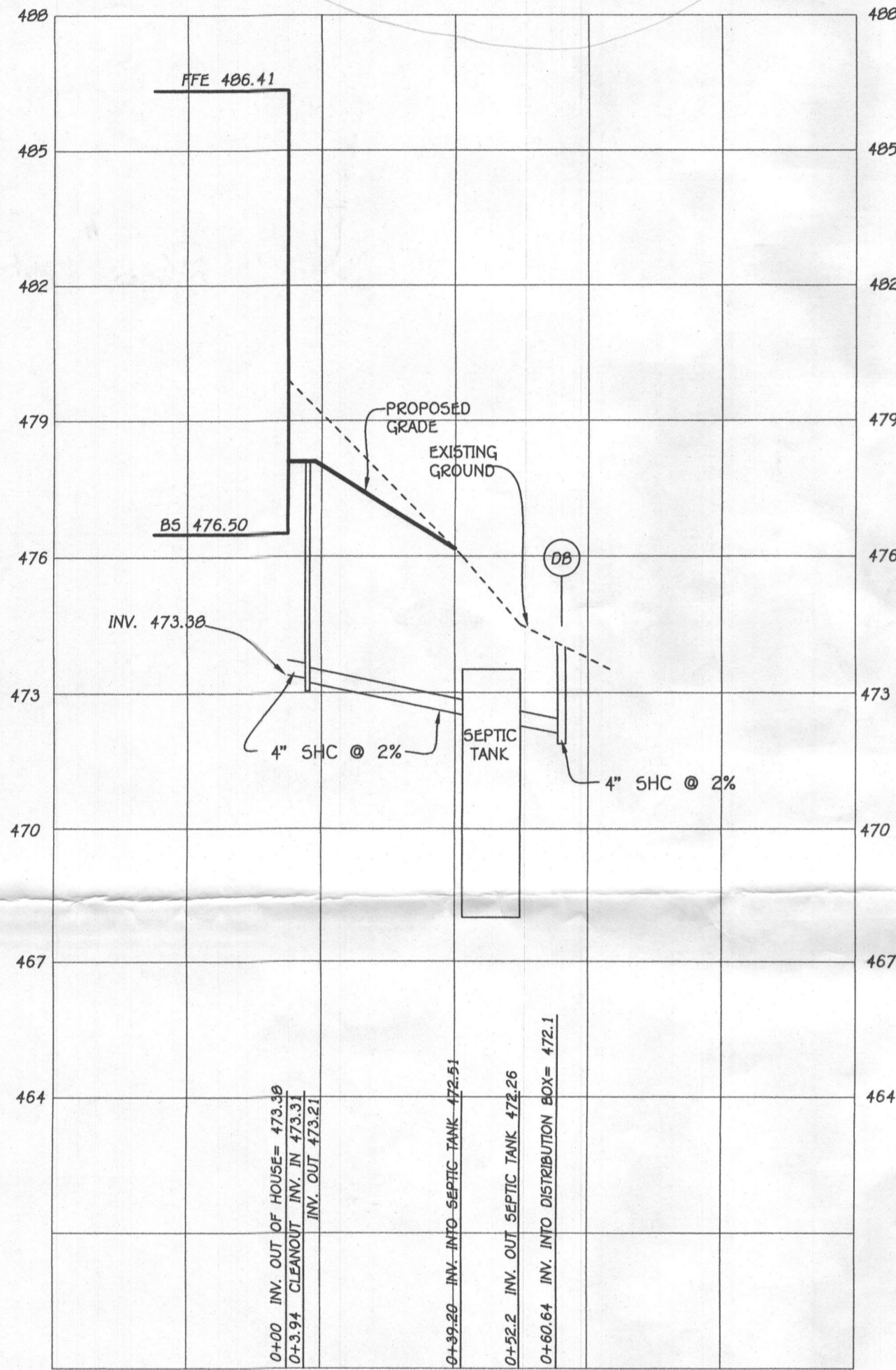
OWNER/DEVELOPER

DAVID AND REGINA BARRY
1802 BELVEDERE BLVD
SILVER SPRING MD 20902

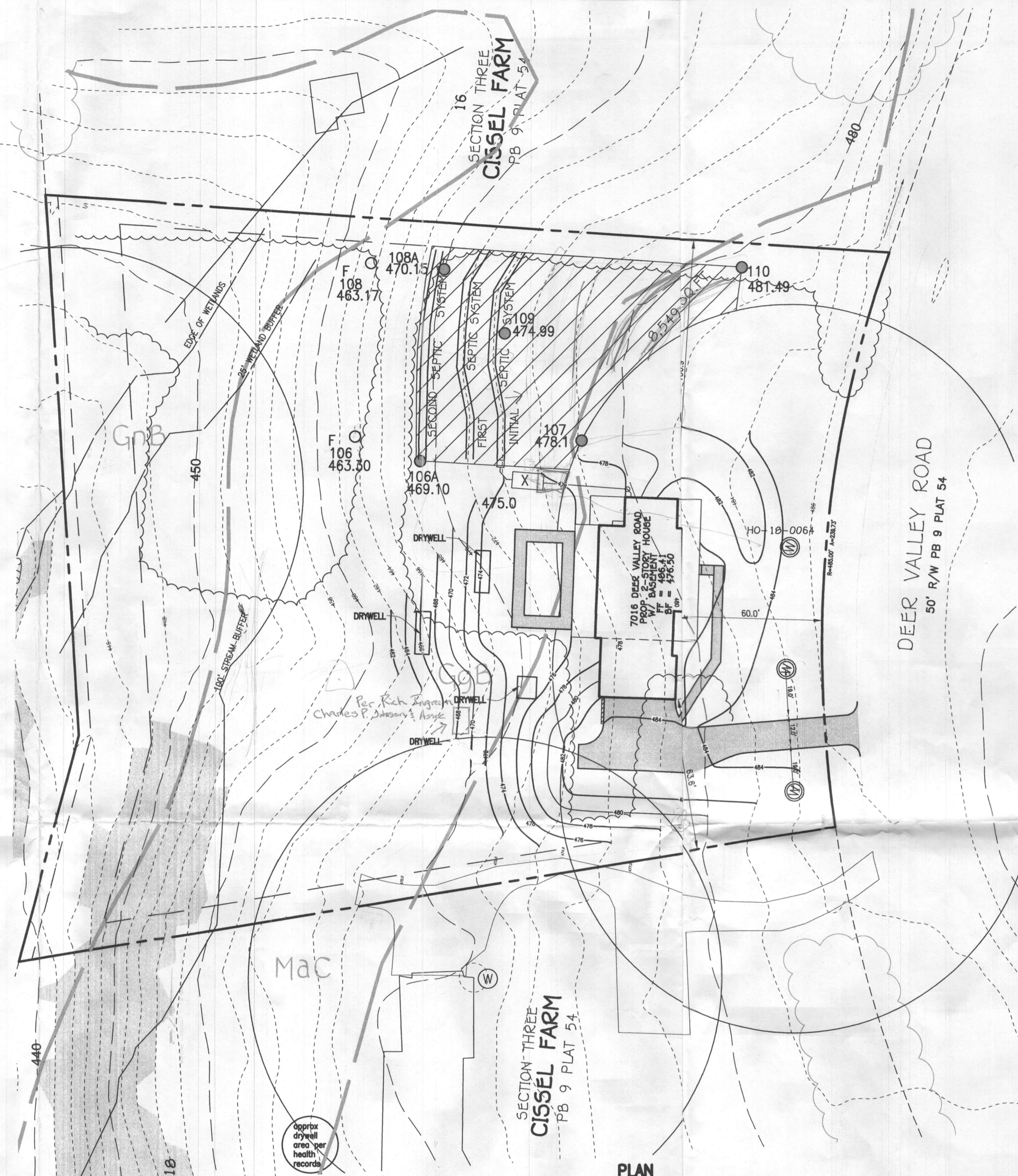


VICINITY MAP

SCALE: 1" = 1200'

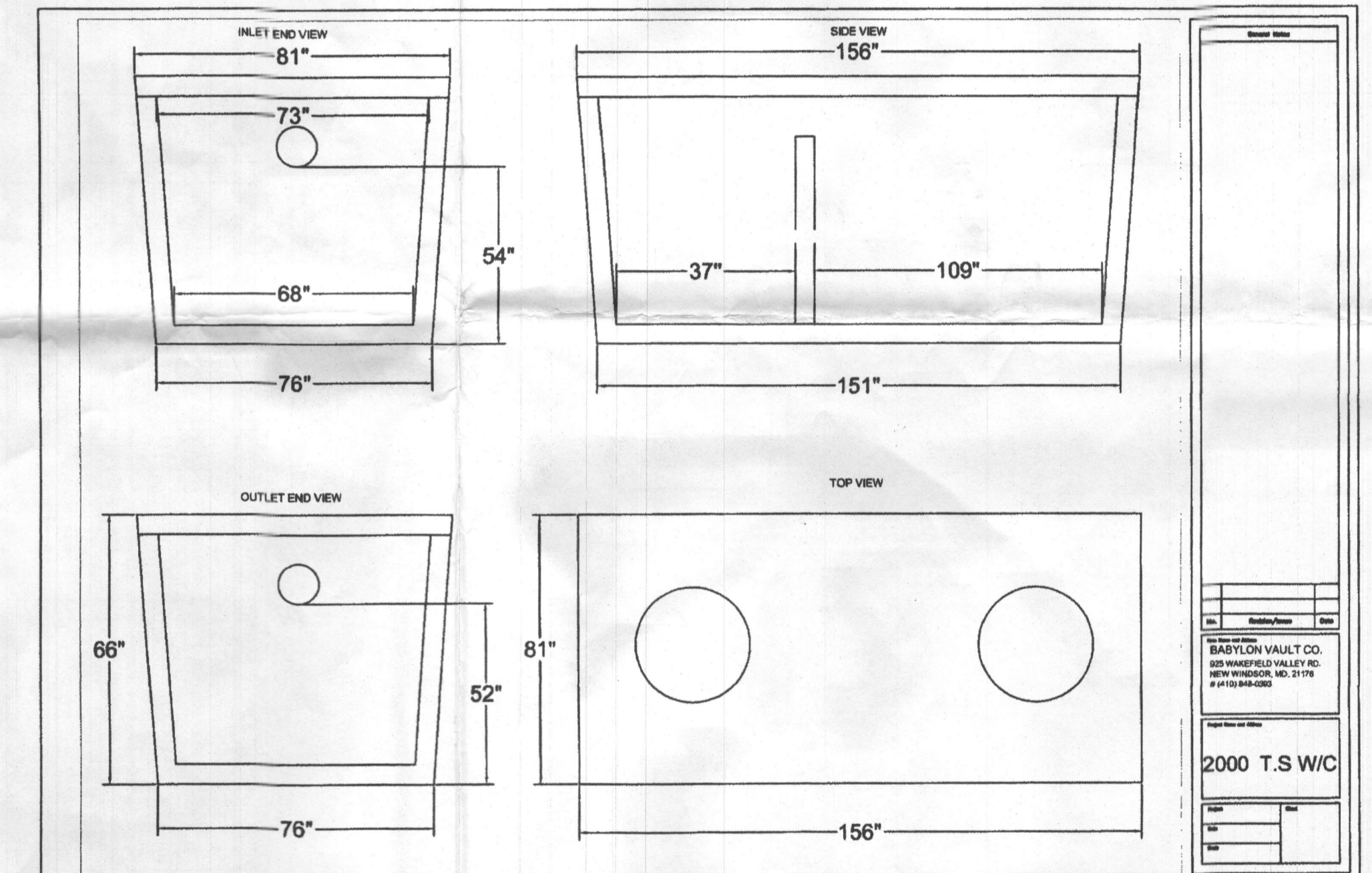


SEPTIC PROFILE
SCALE: 1" = 30'



PLAN
SCALE: 1" = 30'

FFE 486.50
BSE 476.50
INV. OUT OF HOUSE = 473.38
PROP. GROUND AT CLEANOUT #1 = 478.1
INV. INTO CLEANOUT = 473.31
INV. OUT OF CLEANOUT = 473.21
EX. GROUND AT SEPTIC TANK = 475.0
PROP. GRADE ABOVE SEPTIC TANK = 475.0
TOP OF SEPTIC TANK = 473.51
INV. INTO SEPTIC TANK = 472.51
INV. OUT OF SEPTIC TANK = 472.26
EX. GROUND AT DISTRIBUTION BOX = 474.0
INV. INTO DISTRIBUTION BOX = 472.1
INV. OUT OF DISTRIBUTION BOX = 472.0



INITIAL SYSTEM

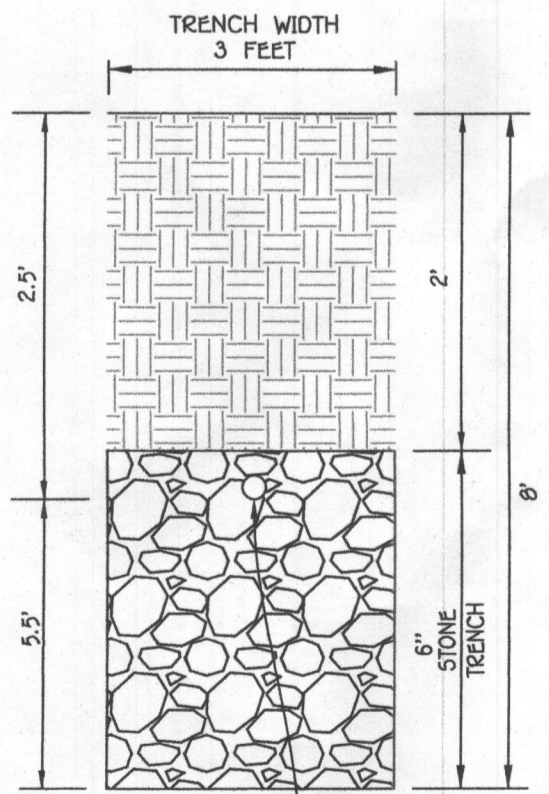
SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS (PERMIT FOR 5 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 1.2
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 0 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4)) = 0.416
TRENCH LENGTH = 208.33 SF x 0.416 = 86.67 FEET
TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'

1ST REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS (PERMIT FOR 5 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 1.2
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 0 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4)) = 0.416
TRENCH LENGTH = 208.33 SF x 0.416 = 86.67 FEET
TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'

2ND REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS (PERMIT FOR 5 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 1.2
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 0 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4)) = 0.416
TRENCH LENGTH = 208.33 SF x 0.416 = 86.67 FEET
TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'



INITIAL TRENCH DETAIL
SCALE: 1" = 2'

TRENCH DATA:
TRENCH 1:
EX. GROUND ABOVE = 474.00
INV. IN = 472.0
BOTTOM TRENCH = 466.0

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. 207146, EXPIRATION DATE 12/31/2019.



Signature of Professional Engineer: *Michael J. Vitucci*
DATE: 7/3/19

SEPTIC SYSTEM INSTALLATION SITE PLAN

LOT 17
7016 Deer Valley Road
CISSEL FARM ESTATES
SECTION 3

Approved Septic System Plan
Howard County Health Department
Signature: *Robert J. ...* Date: 7/11/2019

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
17	7016 Deer Valley Road

ZONED: RR-DEO
GRID NO.: 3 PARCEL NO.: 235
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: July 3, 2019
SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21116
(410) 461-2255