

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: 11/17/22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572694

APPROVAL DATE: 2/10/23 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 2730 JENNINGS CHAPEL ROAD, WOODBINE, MD 21797

SUBDIVISION: SAVAGE PROPERTY LOT: P. 'A' TAX ID: 04-327268

CONTRACTOR: Pages Septic Clean Inc EMAIL: kompa@pagesinc.com

CONTRACTOR ADDRESS: 580 Obercht Rd, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: JENNY & ANTHONY BERARDUCCI EMAIL: _____

OWNER ADDRESS: 13904 RYON DRIVE, GLENELG, MD 21737 PHONE: (443)797-9409

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: MAYER BROS., INC.

PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL AT LEAST 2 CLEANOUTS IN SHC. LOCATE AND PROPERLY ABANDON EXISTING SEPTIC TANK IF IT WAS NOT ABANDONED DURING DEMOLITION.	

ISSUED BY: R BRICKER ISSUE DATE: 11-28-22 EXPIRATION DATE: 11/17/23

- 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.

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- _____

RESIDENTIAL PERMIT
(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT
(DESIGN FLOW: _____ GPD)

PERMITEE: _____

LOCATION: _____

2730 Jennings Chapel Road Savage Property Parcel A

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

Inspector

Date

WORK IS SATISFACTORY, OK TO CONTINUE

Inspector

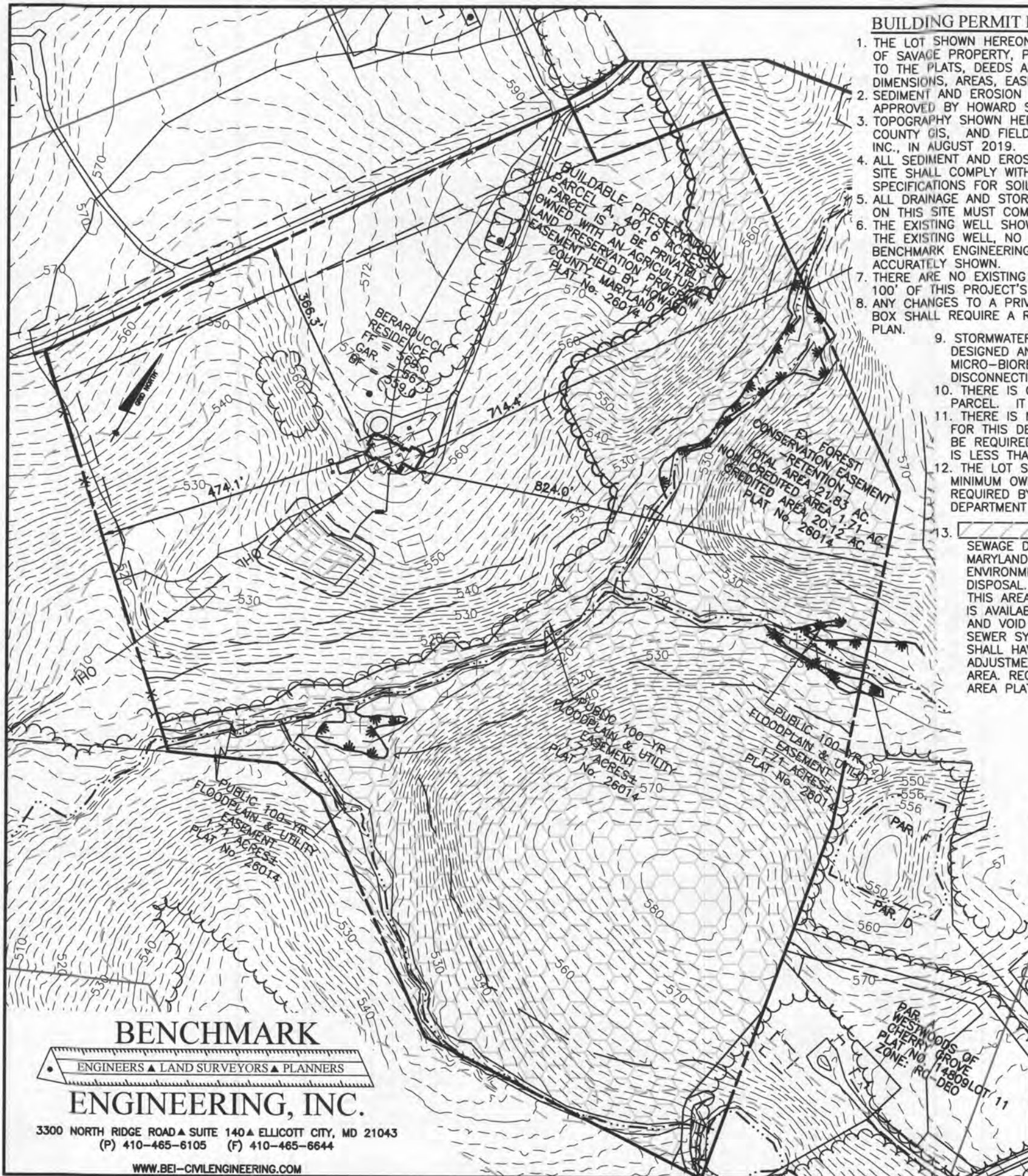
Date

COMMENTS: _____

FINAL INSPECTION MADE, OK TO COVER ALL WORK

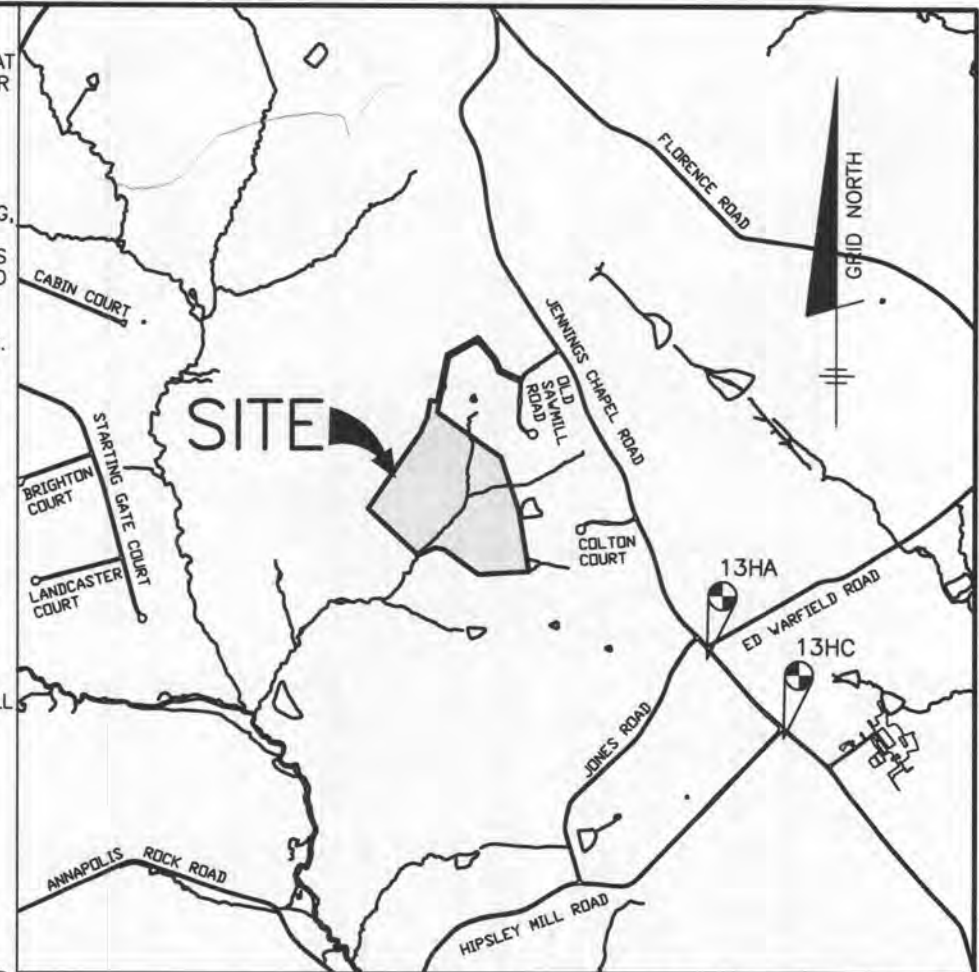
Inspector

Date



BUILDING PERMIT PLAN NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE RECORD PLAT OF SAVAGE PROPERTY, PLAT REFERENCE 26014-26017. REFER TO THE PLATS, DEEDS AND LAND RECORDS FOR PARCEL DIMENSIONS, AREAS, EASEMENTS AND CONDITIONS.
2. SEDIMENT AND EROSION CONTROLS, SEE GP-22-095, WERE APPROVED BY HOWARD SOIL CONSERVATION.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE HOWARD COUNTY GIS, AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., IN AUGUST 2019.
4. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE BUILDING PERMIT PLANS.
6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-20-0191, AND THE EXISTING WELL, NO TAG, HAVE BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., ON JULY 19, 2022, AND ARE ACCURATELY SHOWN.
7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED AND PROVIDED BY DRY WELL FACILITY, MICRO-BIORETENTION FACILITY, AND NON-ROOFTOP DISCONNECTIONS.
10. THERE IS ONE EXISTING DWELLINGS ON THIS PARCEL. IT IS TO BE RAZED.
11. THERE IS NO FOREST CONSERVATION OBLIGATION FOR THIS DEVELOPMENT. A NOTICE OF INTENT WILL BE REQUIRED FOR THIS DEVELOPMENT. CLEARING IS LESS THAN 20,000 SQUARE FEET.
12. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
13. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE AREA PLAT SHALL NOT BE REQUIRED.



VICINITY MAP ADC MAP: 4811, GRID D4
SCALE : 1"=2000'

Approved Septic System Plan
Howard County Health Department
[Signature]
Signature Date 10/2/22



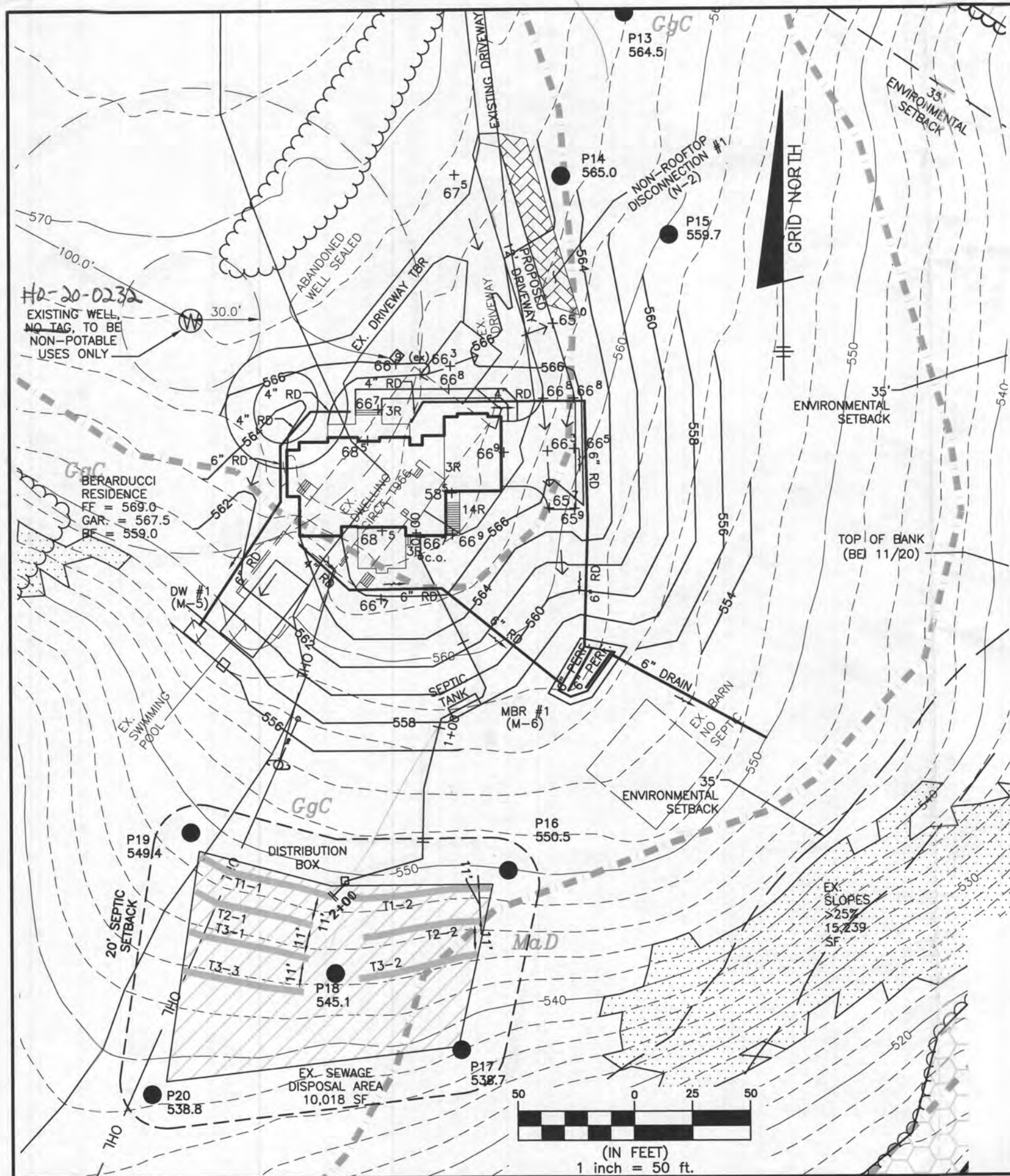
[Signature]
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06/08/2024.

PERCOLATION TEST RESULT INFORMATION - Parcel A

System	Application Rate	Effective Depth	Bottom Depth
Initial	1.2	3.0	7.0
1st Replacement	1.2	3.0	7.0
2nd Replacement	0.8	3.0	7.0

BENCHMARK ENGINEERING, INC.
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
3300 NORTH RIDGE ROAD ▲ SUITE 140 ▲ ELLICOTT CITY, MD 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

BUILDER: BERARDUCCI BUILDERS, LLC 1508 ABELL DR WESTMINSTER, MD 21157 443-797-9409		SAVAGE PROPERTY, PLAT Nos. 26014-17 BERARDUCCI RESIDENCE	
OWNER: JENNY AND ANTHONY BERARDUCCI 2730 JENNINGS CHAPEL ROAD WOODBINE, MD 21797		TAX MAP: 13 GRID: 21 PARCEL: 109 ZONED: RC-DEO ELECTION DISTRICT NO. 4 HOWARD COUNTY, MARYLAND 2730 JENNINGS CHAPEL ROAD, WOODBINE, MD 21797	
		ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PERMIT PLAN	
DATE: 07/20/2022	DESIGN: JC	BEI PROJECT NO. 3110	SHEET 1 OF 3
SCALE: NA	DRAFT: JC		

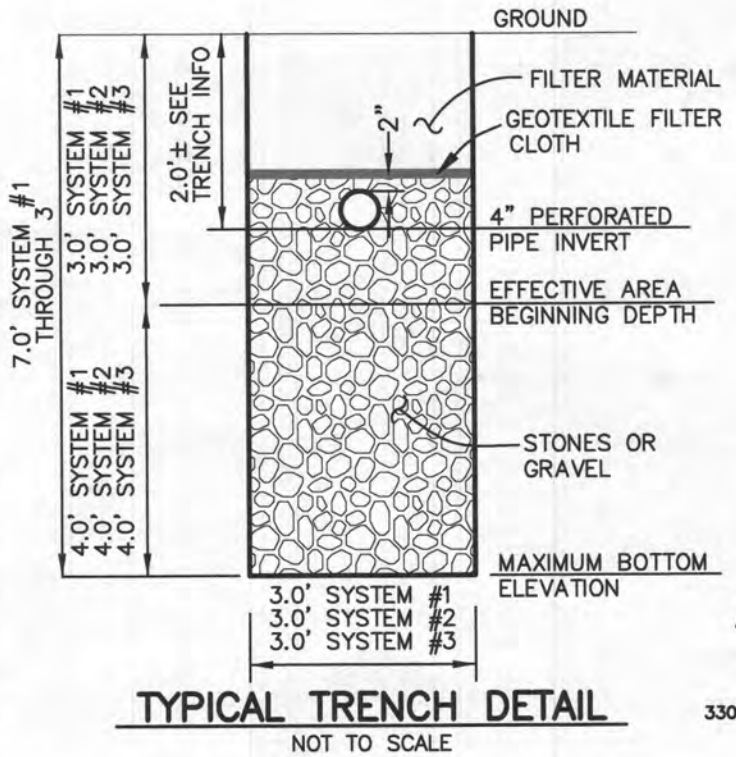


SEPTIC INVERT CHART - Parcel A

INV @ HOUSE	556.2
GROUND @ HOUSE	566.7
INV IN TANK	554.6
INV OUT TANK	554.4
TOP OF TANK	555.4
GROUND OVER TANK	558.4
INV IN DIST BOX	547.3
INV OUT DIST BOX	547.2
GROUND AT DIST BOX	549.5

LEGEND

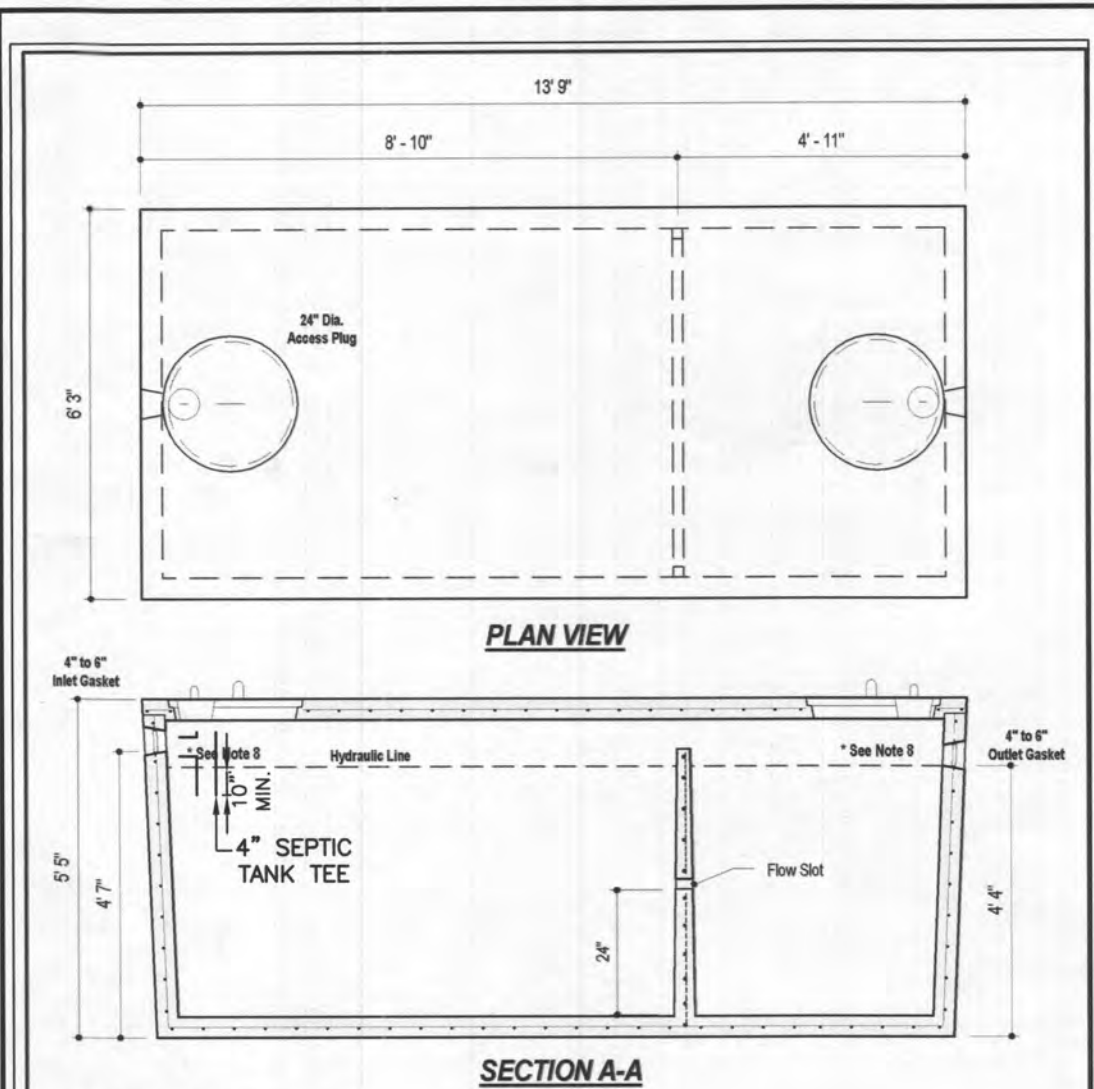
- PROPERTY BOUNDARY
- GIS CONTOUR LINES
- SOIL DELINEATION
- EXISTING BUILDINGS
- EXISTING TREELINE
- STREAM
- SEWAGE DISPOSAL AREA
- EXISTING SLOPES >25%
- EXISTING SLOPES 15-24.9%
- PERC TEST - PASS
- PERC TEST - FAIL
- EXISTING FOREST CONSERVATION EASEMENT
- EXISTING 100-YEAR FLOODPLAIN EASEMENT



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. 45577, Expiration Date: 06/08/2024.

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ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PERMIT PLAN			
DATE: 07/20/2022	DESIGN: JC	BEI PROJECT NO. 3110	SHEET 2 OF 3
SCALE: 1" = 50'	DRAFT: JC		



INITIAL SYSTEM - Parcel A		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.0	ft
Bottom Max Depth	7.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	104	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.0	ft
Bottom Max Depth	7.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	104	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	3.0	ft
Bottom Max Depth	7.0	ft
Design Flow	900	gpd
Drainage Field square footage	1125	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	156	lf

- DESIGN DATA & GENERAL NOTES**
- [1] Concrete strength $f_c=4,000$ p.s.i. @ 28 days. Density = 150 pcf.
 - [2] Cement - Portland Type III per ASTM C 150-92.
 - [3] Admixtures & plasticizers per ASTM C 260-96 & C 494-92.
 - [4] Reinforcing per ASTM A195. Min. 1-1/2" cover.
 - [5] Top slab sealed with butyl rope mastic.
 - [6] 4" wall, 4" base, & 5" top thickness.
 - [7] Max 3' of cover
 - [8] Depending on use of tank, Inlet & Outlet baffle may be required by code.

Mayer Bros., Inc.
www.mayerbrosprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment

Stock Item [Approx. 19,900 lbs]

Dwg. No. 2000-2C No Scale Aug 11, 2008

TRENCH DATA - Parcel A					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1					
LENGTH	60 ft	LENGTH	53 ft	LENGTH	53 ft
GROUND ELEVATION	548.8	GROUND ELEVATION	547.3	GROUND ELEVATION	545.5
INVERT ELEVATION	546.8	INVERT ELEVATION	545.3	INVERT ELEVATION	543.5
MAX BOTTOM ELEVATION	541.8	MAX BOTTOM ELEVATION	540.3	MAX BOTTOM ELEVATION	538.5
TRENCH 1-2					
LENGTH	60 ft	LENGTH	53 ft	LENGTH	53 ft
GROUND ELEVATION	548.6	GROUND ELEVATION	546.6	GROUND ELEVATION	544.3
INVERT ELEVATION	546.6	INVERT ELEVATION	544.6	INVERT ELEVATION	542.3
MAX BOTTOM ELEVATION	541.6	MAX BOTTOM ELEVATION	539.6	MAX BOTTOM ELEVATION	537.3
TRENCH 3-3					
LENGTH	53 ft	LENGTH	53 ft	LENGTH	53 ft
GROUND ELEVATION	543.7	GROUND ELEVATION	541.7	GROUND ELEVATION	541.7
INVERT ELEVATION	541.7	INVERT ELEVATION	539.7	INVERT ELEVATION	539.7
MAX BOTTOM ELEVATION	536.7	MAX BOTTOM ELEVATION	534.7	MAX BOTTOM ELEVATION	534.7

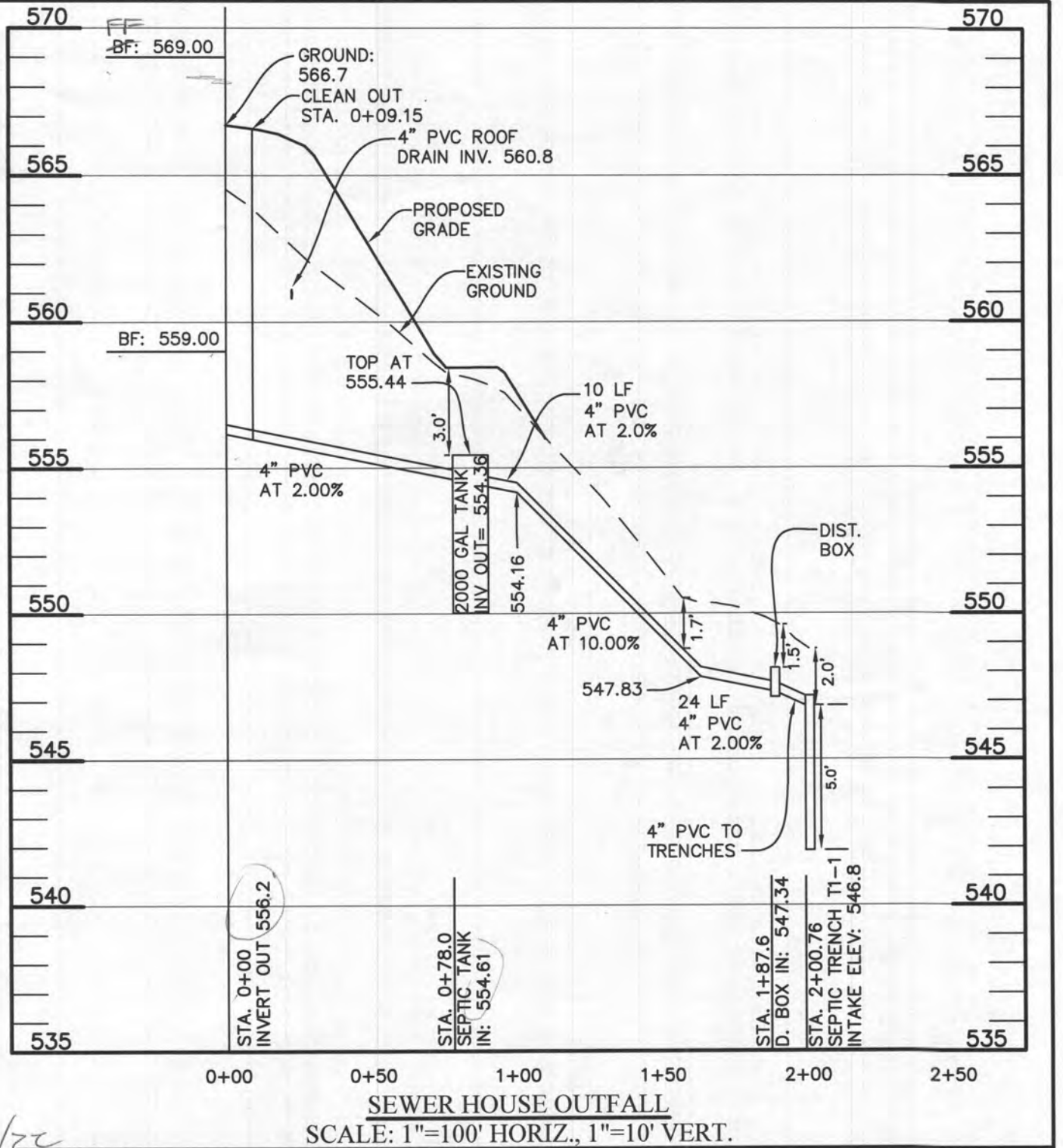
JOHN M. CARNEY
PROFESSIONAL ENGINEER
45577

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. 45577, Expiration Date: 06/08/2024.

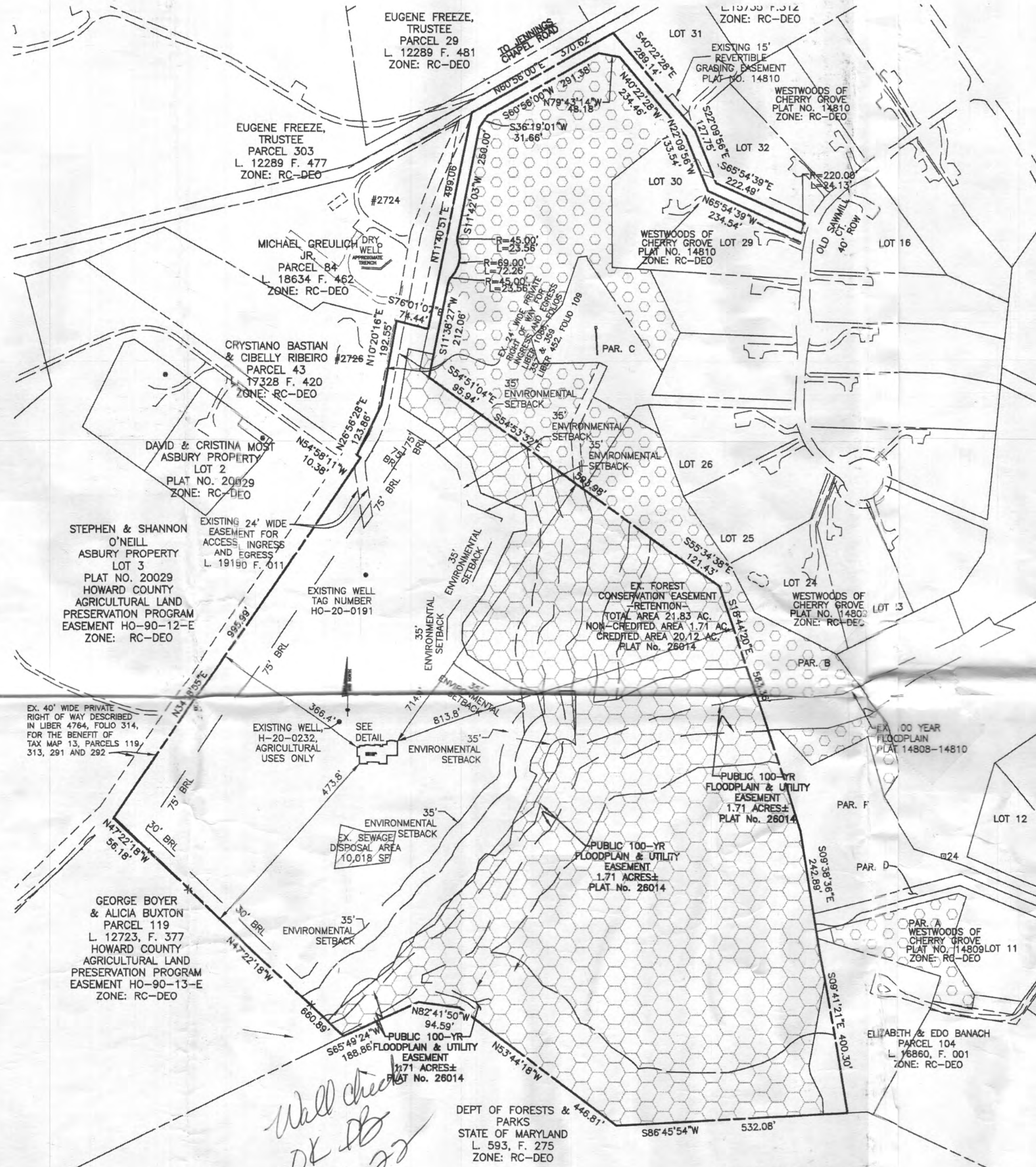
BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

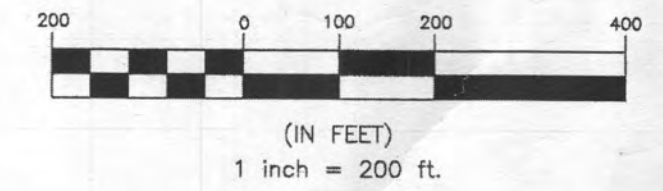
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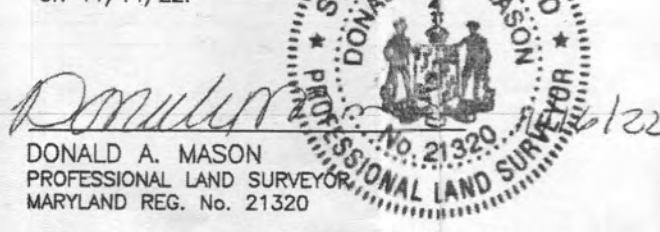
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OWNER: JENNY AND ANTHONY BERARDUCCI 2730 JENNINGS CHAPEL ROAD WOODBINE, MD 21797	ON-SITE SEWAGE DISPOSAL SYSTEM (OSDS) PERMIT PLAN DATE: 07/20/2022 BEI PROJECT NO. 3110 SCALE: NA SHEET 3 OF 3
DESIGN: JC DRAFT: JC	



Well check OK SB 11-15-22



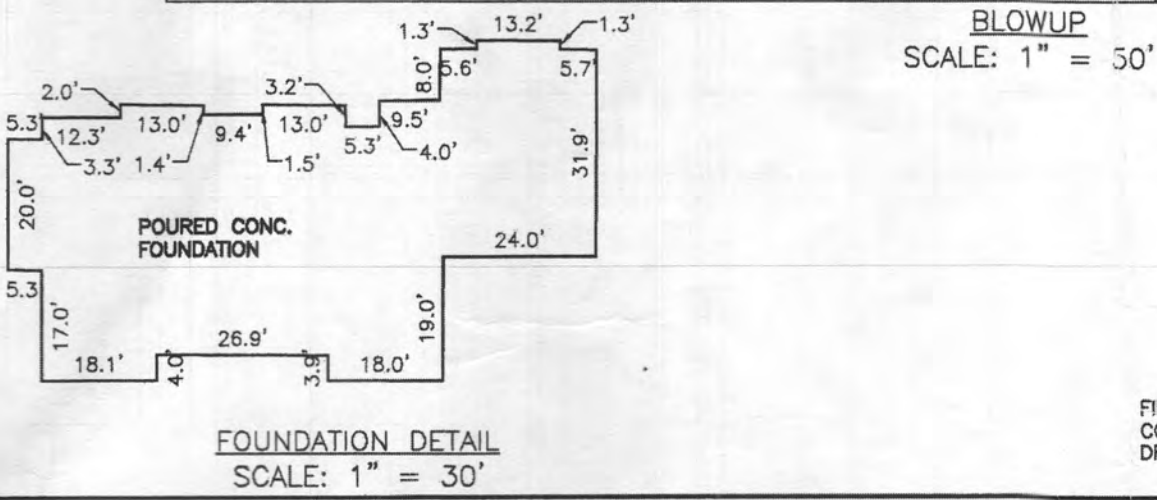
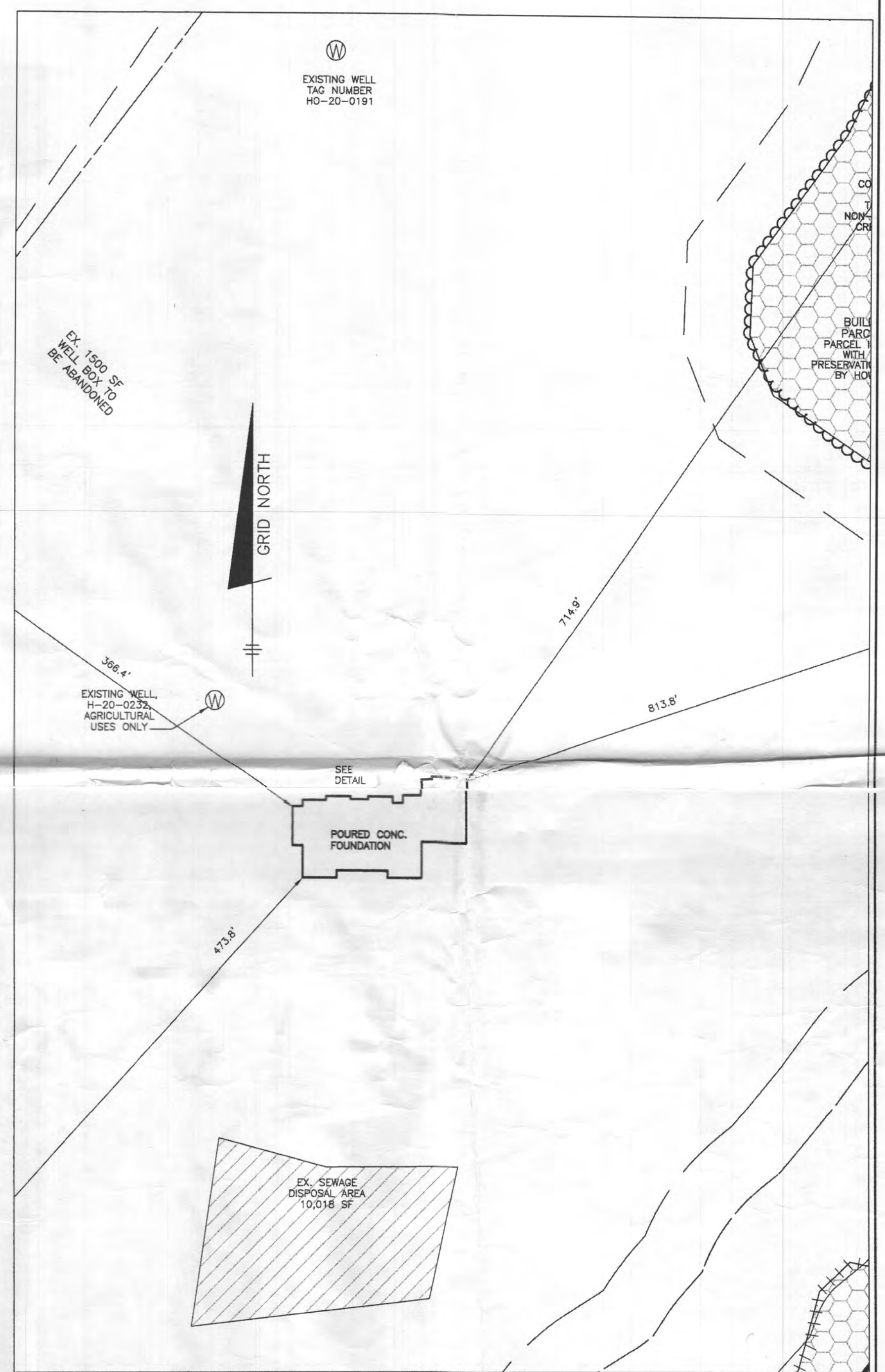
SURVEYOR'S CERTIFICATE
 HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 1-7-2021 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED UPON A FIELD RUN SURVEY PERFORMED BY BEN SHAWAN ENGINEERING, INC. ON 11/14/22.



FEMA FIRM No. 24027C0040D
 ZONE: X
 DATED: 11/6/2013

TOP OF FOUNDATION WALL = 566.92'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
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 3300 NORTH RIDGE ROAD & SUITE 140 A ELICOTT CITY, MARYLAND 21043
 (P) 410-465-8105 (F) 410-465-8644
 WWW.BE-CIVLENGINEERING.COM



WALL CHECK
Savage Property
BUILDABLE PRESERVATION
PARCEL A
PLAT No. 26014-26017
2730 JENNINGS CHAPEL ROAD

FIELD OBS. BY AS
 ZONE: X
 COMP. BY DAM
 DRAWN BY DAM
 SCALE: AS-SHOWN DATE: 11-15-2022