

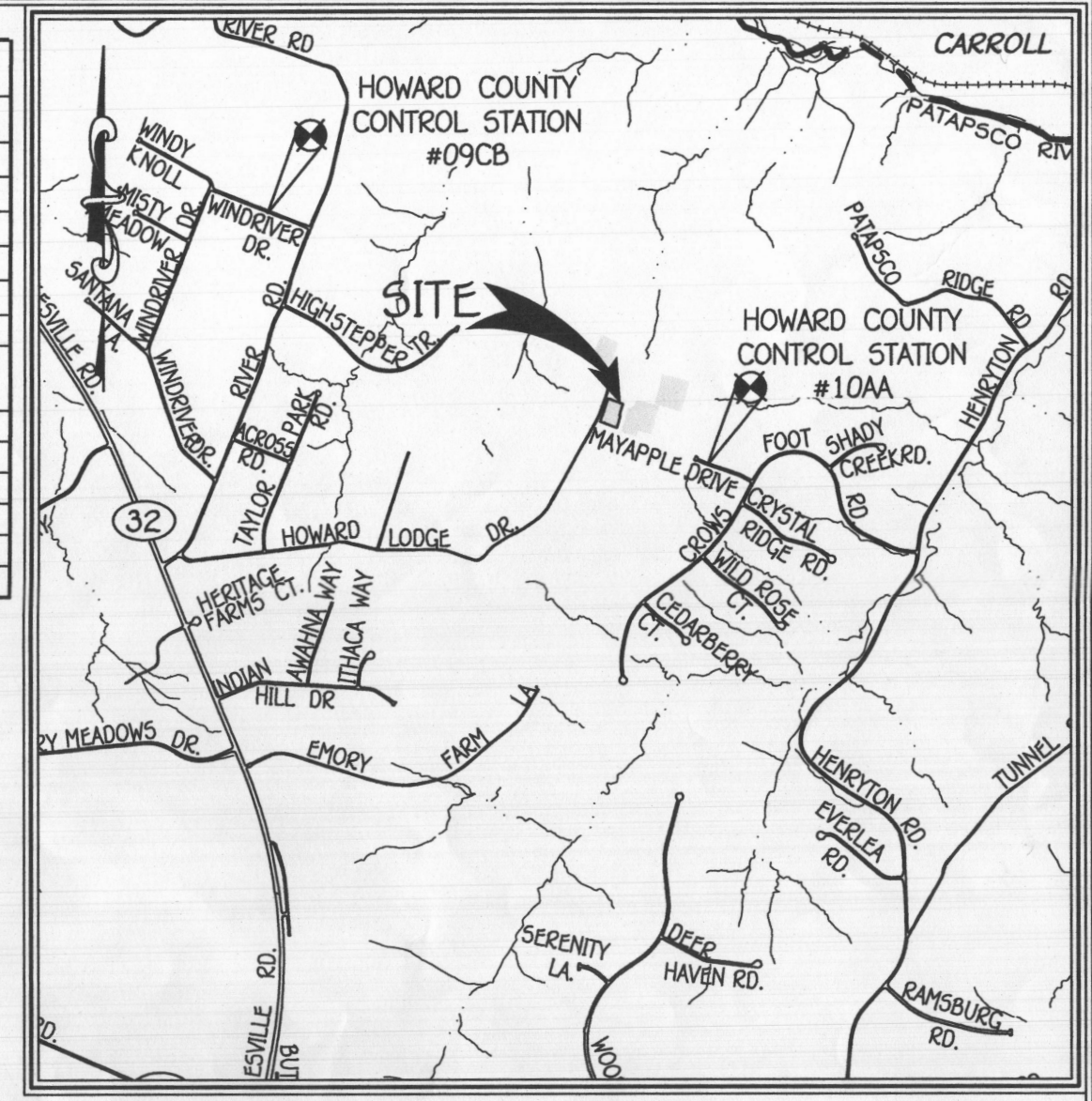
**SOILS LEGEND**

SOIL	NAME	CLASS
MaC	Minor loam, 8 to 15 percent slopes	B
LaB	Legore silt loam, 3 to 8 percent slopes	C
GgC	Glengig loam, 8 to 15 percent slopes	B

THE PURPOSE OF THIS SEPTIC INSTALL PLAN IS FOR THE CONSTRUCTION OF A NEW SINGLE FAMILY HOME AND REVISED THE HOUSE TYPE FOR LOT 11.

**LEGEND**

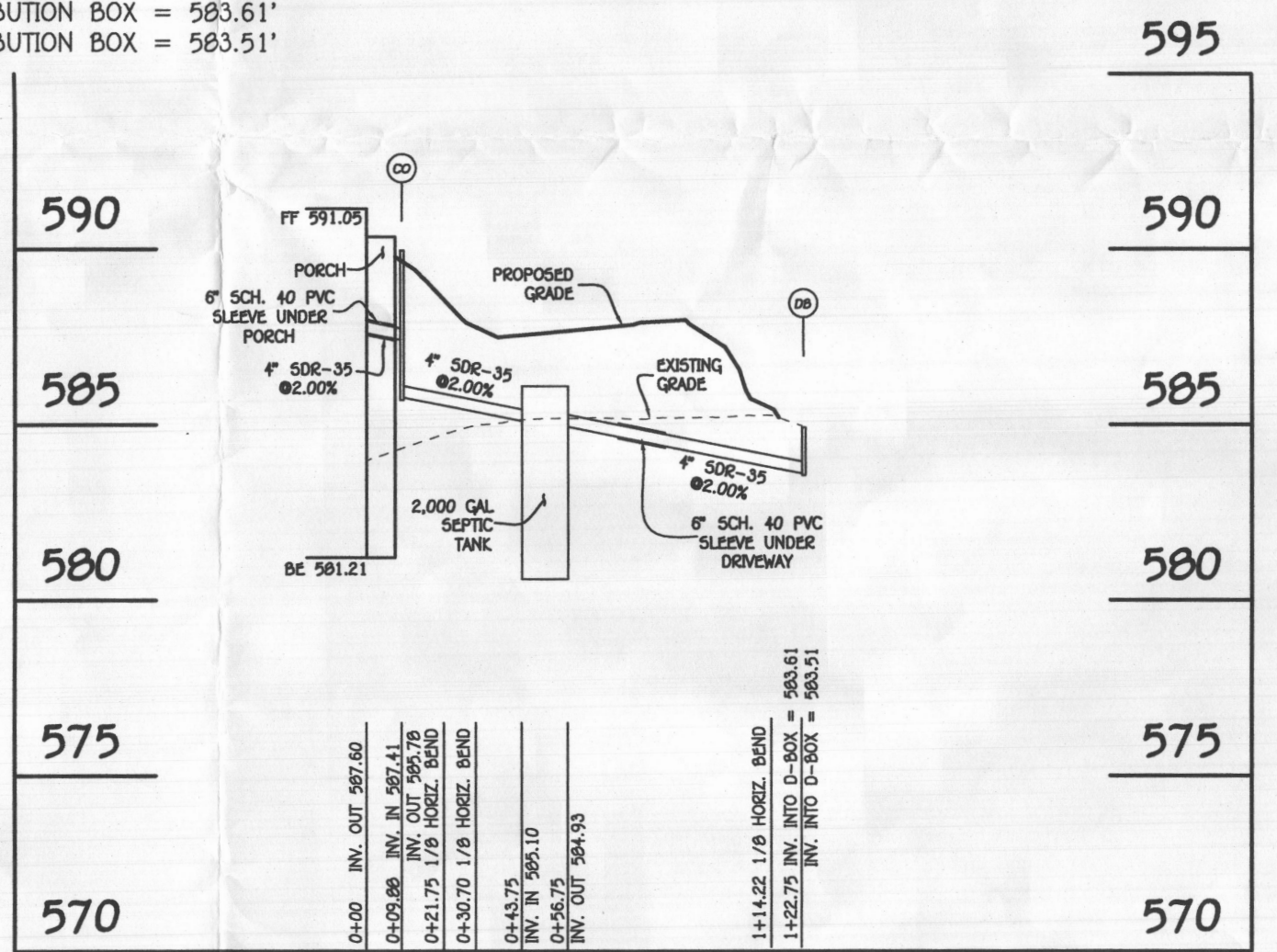
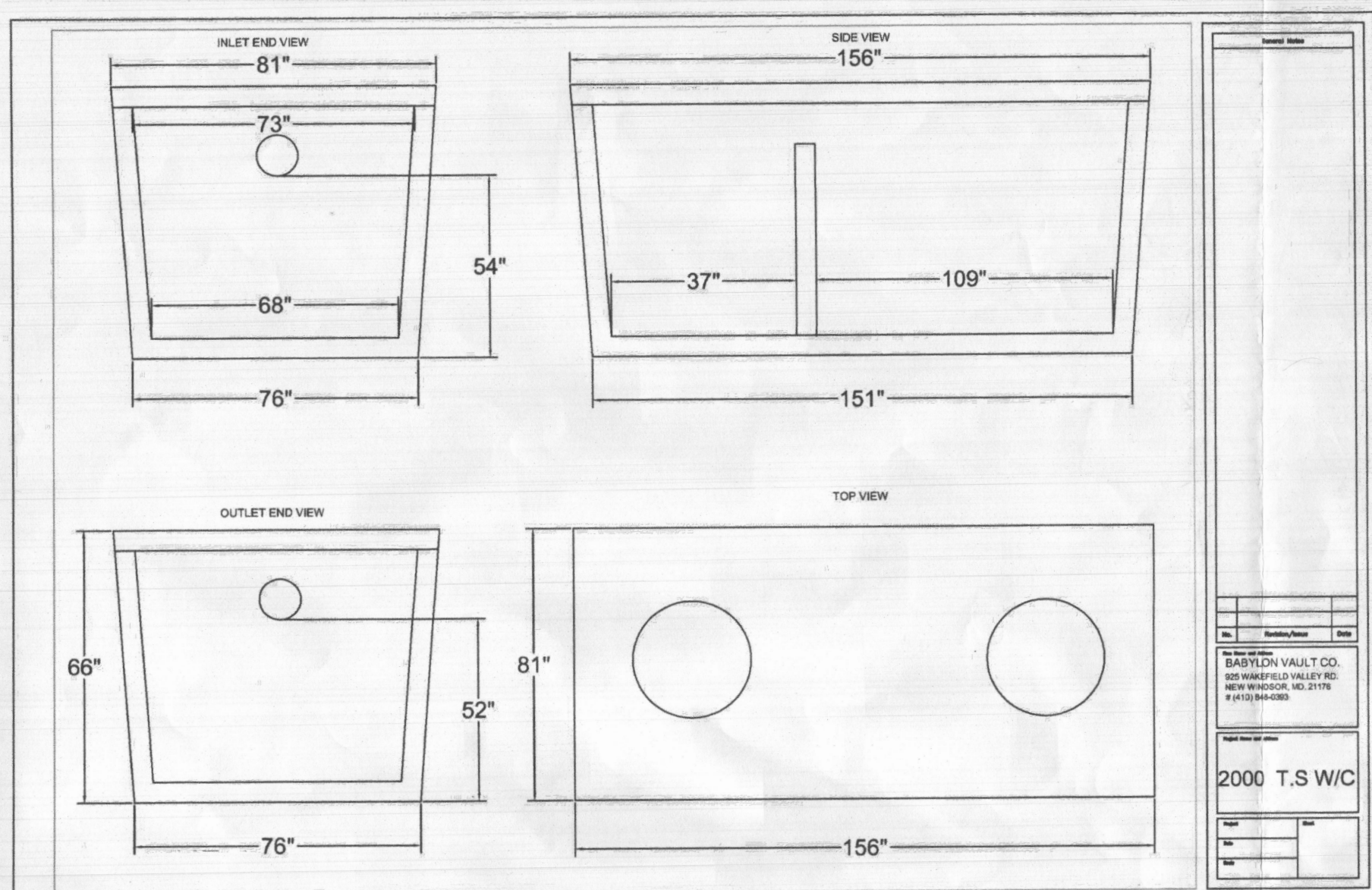
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
X 448.5	SPOT ELEVATION
○	EXISTING TREE LINE
GgB	SOIL LINES AND TYPES
GgC	SOIL LINES AND TYPES
---	SUBJECT PROPERTY LINE
---	ADJOINER PROPERTY LINE
○	DENOTES WELL LOCATION
○	DENOTES PASSED PERC TEST
○	DENOTES FAIL PERC TEST
---	EXISTING SDA



**VICINITY MAP**  
SCALE: 1" = 2000'

**GEODETIC CONTROL STATIONS**  
 HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 10AA  
 N 609,753.356 E 1,331,660.825 ELEVATION: 563.097'  
 HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 09CB  
 N 612,571.114 E 1,326,795.332 ELEVATION: 558.523'

- 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 TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE WELL HO-22-0109 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.
- THE ENGINEER IS REGISTERED WITH MDE TO PROVIDE ON-SITE WASTEWATER SERVICES IN MARYLAND.
- CONTOURS ARE BASED ON A TOPOGRAPHIC FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS AND CARTER ON OR ABOUT FEBRUARY, 2024.
- CONTRACTOR TO PERFORM CONSTRUCTION PER CURRENT OSHA STANDARDS.
- BASEMENT SERVICE REQUIRE THE INSTALLATION OF AN EJECTOR PUMP TO UTILIZE THE SEPTIC SYSTEM.
- MAIN SEPTIC LINE FROM TANK TO D-BOX UNDER DRIVEWAY MUST BE SLEEVED. SEE PLOT PLAN FOR DETAILS.



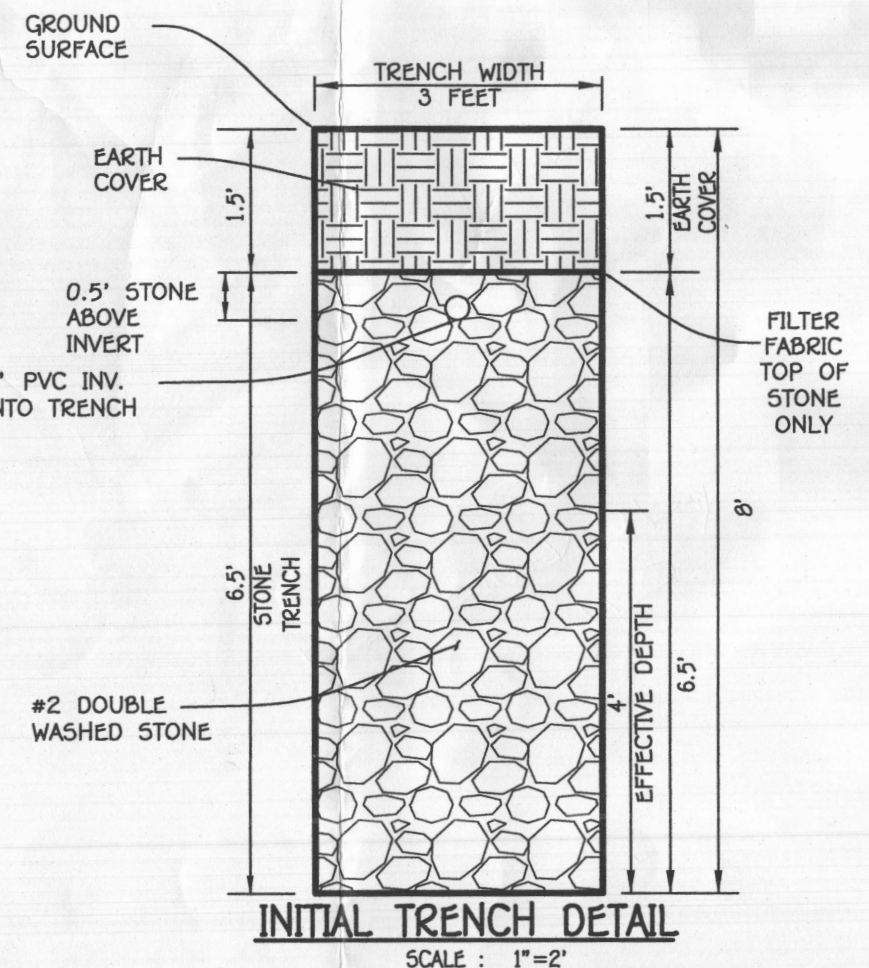
**PROFILE SEPTIC LINE**  
SCALE HORZ. 1" = 50'  
VERT. 1" = 5'

**TRENCH DATA:**  
 TRENCH 1:  
 EX. GROUND ABOVE = 584.73  
 INV. IN = 582.73  
 BOTTOM TRENCH = 576.73  
 TRENCH 2:  
 EX. GROUND ABOVE = 584.08  
 INV. IN = 582.08  
 BOTTOM TRENCH = 576.08

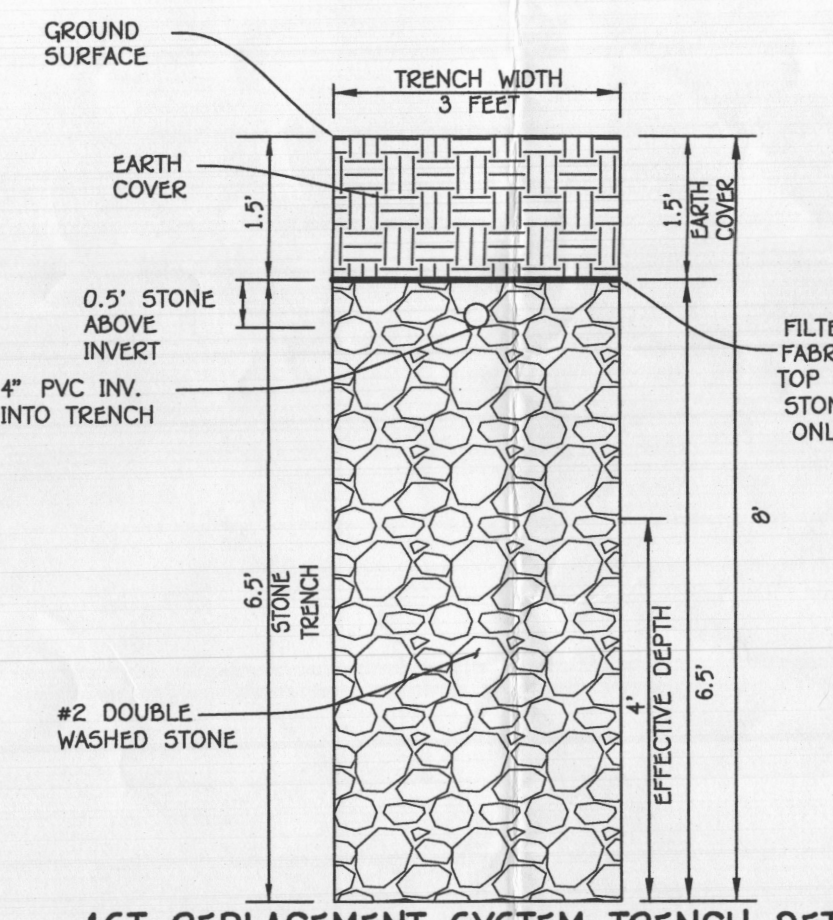
**INITIAL SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS  
 LOADING RATE = 7 BEDROOMS X 150 GPD/BEDROOM = 1,050 GPD  
 APPLICATION RATE = 1.2  
 TRENCH DEPTH = 8 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 4 FEET  
 SF OF DRAINFIELD = 1,050 GPD / 1.2 = 875 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4)) = 0.417  
 TRENCH LENGTH = (875 SF x 0.417)/W = 122 FEET  
 2 TRENCHES AT 61'  
 TRENCH SPACING = 2D+W = ((2x4) + 3) = 11' USE 11'

**1ST REPLACEMENT SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS  
 LOADING RATE = 7 BEDROOMS X 150 GPD/BEDROOM = 1,050 GPD  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
 TRENCH DEPTH = 8 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 4 FEET  
 SF OF DRAINFIELD = 1,050 GPD / 1.2 = 875 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4)) = 0.417  
 TRENCH LENGTH = (875 SF x 0.417)/W = 122 FEET  
 2 TRENCHES AT 61'  
 TRENCH SPACING = 2D+W = ((2x4) + 3) = 11' USE 11'

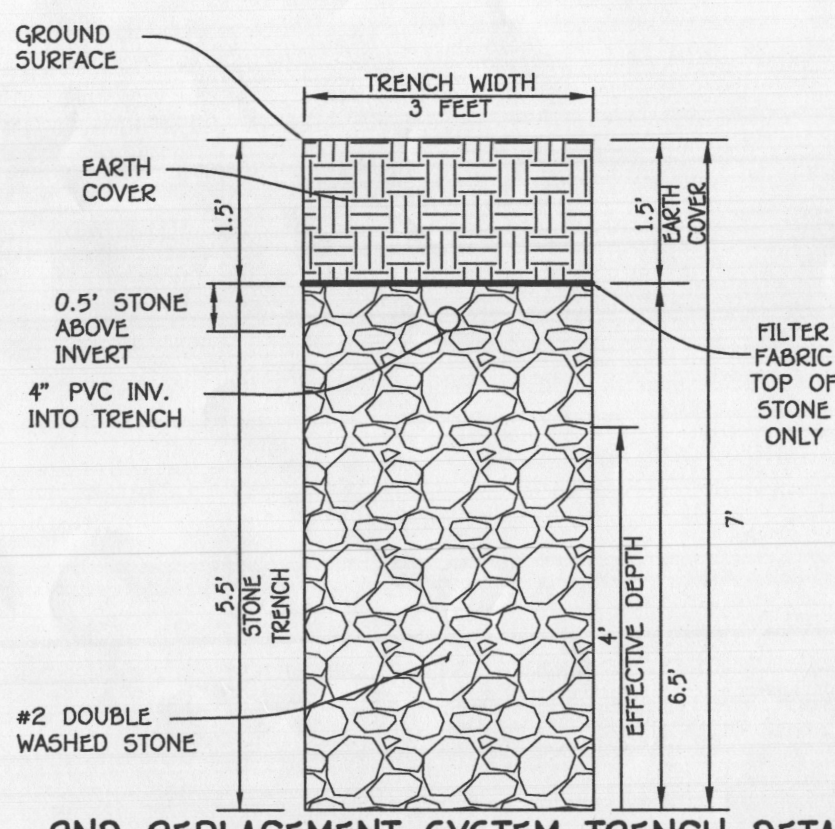
**2ND REPLACEMENT SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS  
 LOADING RATE = 7 BEDROOMS X 150 GPD/BEDROOM = 1,050 GPD  
 APPLICATION RATE = 0.8  
 EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
 TRENCH DEPTH = 7 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 3 FEET  
 SF OF DRAINFIELD = 1,050 GPD / 0.8 = 1,313 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.500  
 TRENCH LENGTH = (1,313 SF x 0.500)/W = 219 FEET  
 3 TRENCHES AT 73'  
 TRENCH SPACING = 2D+W = ((2x3) + 3) = 9' USE 10'



**INITIAL TRENCH DETAIL**  
SCALE: 1" = 2'



**1ST REPLACEMENT SYSTEM TRENCH DETAIL**  
SCALE: 1" = 2'



**2ND REPLACEMENT SYSTEM TRENCH DETAIL**  
SCALE: 1" = 2'

DAILY STABILIZATION NOTE:  
 CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY. STABILIZATION SHALL BE AS FOLLOWS.  
 1. FOR AREAS TO BE PAVED, THAT APPLICATION OF STONE BASE.  
 2. FOR AREAS TO BE VEGETATIVELY STABILIZED:  
 A. PERMANENT SEED AND SOIL STABILIZATION MATTING OR SOD FOR ALL STEEP SLOPES, CHANNELS OR SWALES.  
 B. PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.  
 ANY AREAS WHICH CAN NOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWN SLOPE SIDE.

**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. 27920, EXPIRATION DATE: 01/25/26.



PAUL G. CAVANAUGH JULY 10, 2025  
DATE

Approved Septic System Plan  
 Signature: [Signature]  
 Date: 7/10/25  
 Howard County Health Department

SOILS LEGEND		
SOIL	NAME	CLASS
MHC	Manor loam, 8 to 15 percent slopes	B
Ldb	Lodge hill loam, 3 to 8 percent slopes	C
G9c	Grandy loam, 8 to 15 percent slopes	B



**ONLY STABILIZATION NOTE:**  
 CONTRACTOR SHALL NOT DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY. STABILIZATION SHALL BE AS FOLLOWS:  
 1. FOR AREAS TO BE PAVED, THAT APPLICATION OF STONE BASE.  
 A. FRESHWATER SAND AND SOIL STABILIZATION MIXING OR 500 PPM ALL STEEP SLOPES.  
 B. PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.  
 ANY FILL OR EROSION SHALL BE REPAIRED BY THE END OF EACH WORKING DAY. MUST HAVE SLOPE FINISH INSTALLED ON THE DOWN SLOPE SIDE.



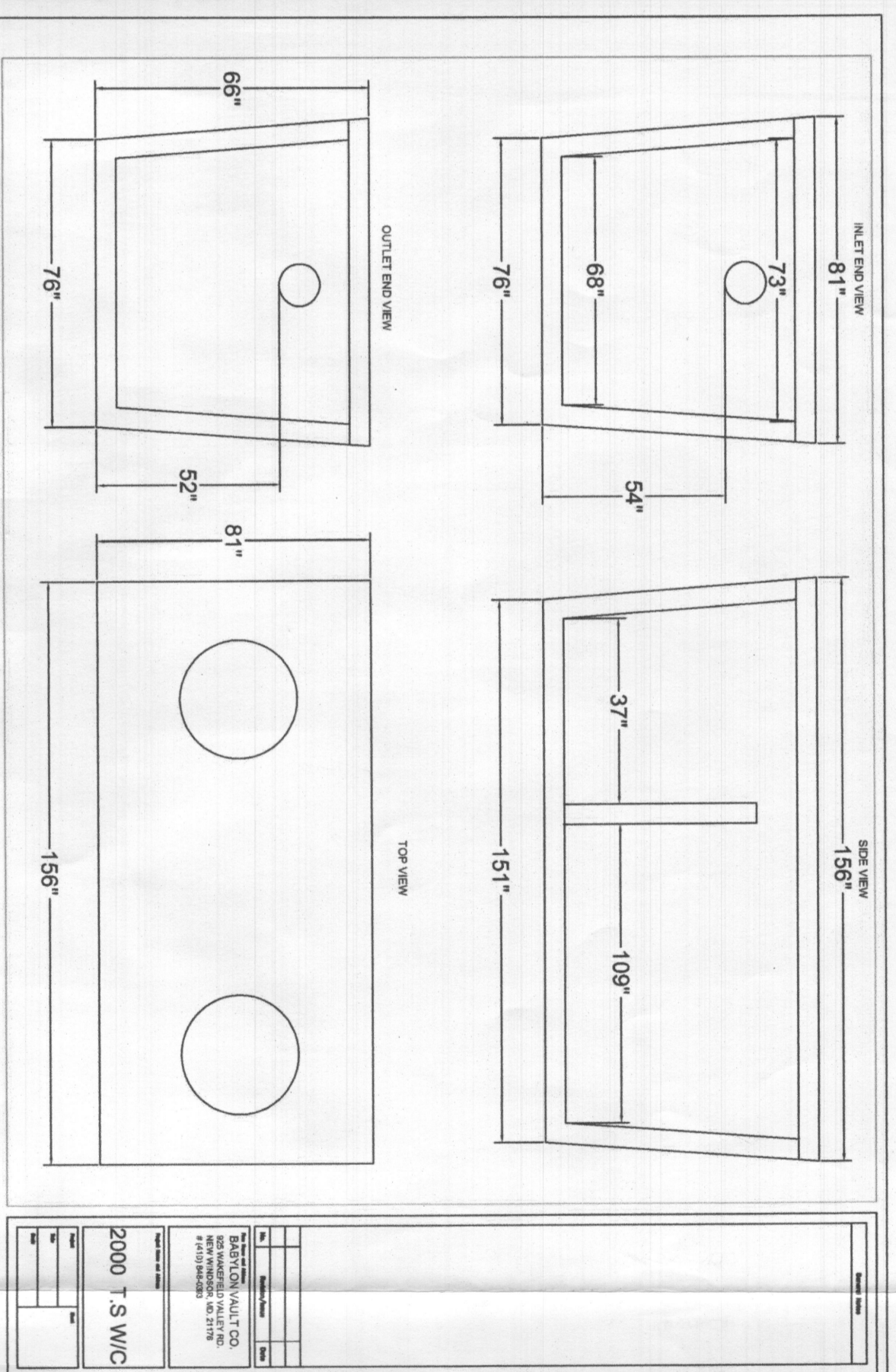
**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE PROFESSIONAL ENGINEERING ACT, LICENSE NO. 27282, EXPIRATION DATE 01/25/25.



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SOURCE OFFICE PARK - 12722 BATHURST NATIONAL PIKE  
 CLARKSVILLE, MD 21031  
 (410) 461-2292

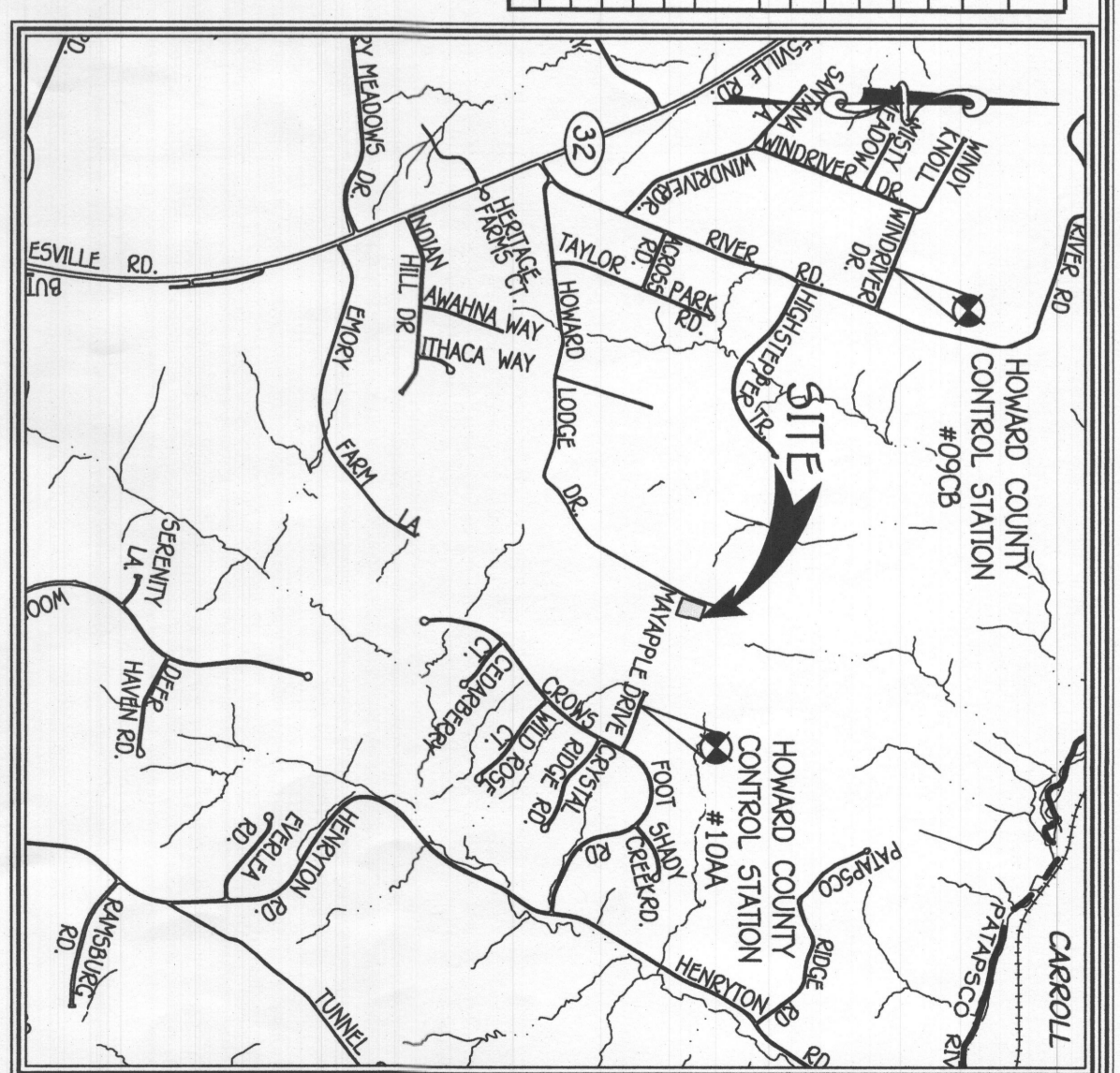
THE PURPOSE OF THIS SEPTIC INSTALL PLAN IS FOR THE CONSTRUCTION OF A NEW SINGLE FAMILY HOME AND EXTENSIVE THE HOUSE TYPE FOR LOT 11.



Profile	570	575	580	585	590	595
0+00	INV. OUT 587.60					
0+09.88	INV. IN 587.11					
0+21.75	1/8" HORIZ. BEND					
0+30.70	1/8" HORIZ. BEND					
0+43.75	INV. IN 586.10					
0+56.50	INV. IN 584.53					
0+69.50	INV. IN 583.51					
1+14.22	1/8" HORIZ. BEND					
1+22.75	INV. IN 582.08					
1+35.50	INV. IN 581.07					
1+48.25	INV. IN 580.06					

**PROFILE SEPTIC LINE**  
 SCALE HORIZ. 1" = 50'  
 VERT. 1" = 5'

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTROL 2' INTERVAL
---	EXISTING CONTROL 10' INTERVAL
---	PROPOSED CONTROL 10' INTERVAL
---	PROPOSED CONTROL 2' INTERVAL
X 144.5	EXISTING TREE LINE
---	SOIL LINES AND TYPES
---	SUBJECT PROPERTY LINE
---	ADJOINER PROPERTY LINE
---	DEPOTER WELL LOCATION
---	DEPOTER PASSED PREG TEST
---	DEPOTER FAIL PREG TEST
---	EXISTING SAN



**VICINITY MAP**

HOWARD COUNTY GEODETIC CONTROL STATIONS  
 HOWARD COUNTY GEODETIC CONTROL NO. 1044  
 GEODETIC SURVEY CONTROL NO. 0903B  
 N 60°17'33.58" E 1,331,688.825  
 N 61°21'11.4" E 1,328,795.532  
 ELEVATION: 583.097

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 PERMISSIBLE EXISTING COVER FOR THE TANK IS 3 FEET. GREATER EXISTING COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
2. THE TANK SHALL BE RECORDED.
3. 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.
4. THE ENGINEER IS REGISTERED WITH MDOT TO PROVIDE ON-SITE WASTEWATER SERVICES IN MARYLAND.
5. THE ENGINEER HAS BASED ON A TOPOGRAPHIC FIELD SURVEY PERFORMED BY FISHER, COLLINS AND CARTER.
6. CONTRACTORS ARE BASED ON A TOPOGRAPHIC FIELD SURVEY PERFORMED BY FISHER, COLLINS AND CARTER.
7. CONTRACTOR TO PREPARE CONSTRUCTION PERMITS UNDER DEPT. HEALTH STANDARDS.
8. BASKINENT SERVICE RELOCATE THE INSTALLATION OF AN ELECTRIC PUMP TO UTILIZE THE SEPTIC SYSTEM.
9. MAIN SEPTIC LINE FROM TANK TO D-BOX UNDER DRIVEWAY MUST BE SLOVED. SEE PLOT PLAN FOR DETAILS.

**INITIAL SYSTEM**

**SEWER DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS**  
 Z BEDROOMS  
 EX. GROUND ABOVE = 594.73  
 INV. IN = 582.73  
 BOTTOM TRENCH = 576.73  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
 TRENCH DEPTH (M) = 3 FEET  
 TRENCH WIDTH (M) = 3 FEET  
 SF OF DEANFIELD = 1,050 GPD / 1.2 = 875 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.417  
 TRENCH LENGTH = (875 SF x 0.417)/W = 122 FEET  
 TRENCH SPACING = 20'-W = (2(4) + 3) = 11' USE 11'

**1ST REPLACEMENT SYSTEM**

**SEWER DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS**  
 Z BEDROOMS  
 EX. GROUND ABOVE = 594.73  
 INV. IN = 582.73  
 BOTTOM TRENCH = 576.73  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
 TRENCH DEPTH (M) = 3 FEET  
 TRENCH WIDTH (M) = 3 FEET  
 SF OF DEANFIELD = 1,050 GPD / 1.2 = 875 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.417  
 TRENCH LENGTH = (875 SF x 0.417)/W = 122 FEET  
 TRENCH SPACING = 20'-W = (2(4) + 3) = 11' USE 11'

**2ND REPLACEMENT SYSTEM**

**SEWER DISPOSAL SYSTEM DATA DESIGN FOR 7 BEDROOMS**  
 Z BEDROOMS  
 EX. GROUND ABOVE = 594.73  
 INV. IN = 582.73  
 BOTTOM TRENCH = 576.73  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
 TRENCH DEPTH (M) = 3 FEET  
 TRENCH WIDTH (M) = 3 FEET  
 SF OF DEANFIELD = 1,050 GPD / 0.8 = 1,313 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.500  
 TRENCH LENGTH = (875 SF x 0.417)/W = 219 FEET  
 3 TRENCHES AT 75'  
 TRENCH SPACING = 20'-W = (2(4) + 3) = 9' USE 10'

Approved Septic System Plan  
 Howard County Health Department

Signature: *[Signature]*  
 Date: *[Date]*

**OWNERS/BUILDERS**  
 NRG, INC.  
 9720 PATUXENT WOODS DRIVE  
 COLUMBIA, MD 21046  
 443-832-9102

**BRICKELL PROPERTY**  
 Lot 11  
 SEPTIC SYSTEM  
 INSTALLATION PLAN  
 ZONING: RS-050  
 PARCEL No. 274  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN  
 DATE: JUNE, 2023  
 SHEET 1 OF 1

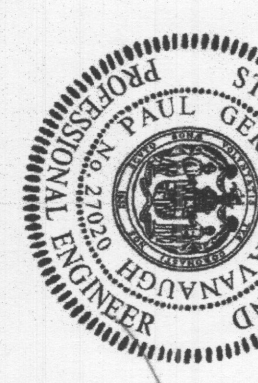
**SOILS LEGEND**

SOIL	NAME	CLASS
MAC	Major loam, 6 to 15 percent slopes	B
LMS	Lighter silt loam, 3 to 8 percent slopes	C
GQC	Gravelly loam, 8 to 15 percent slopes	B



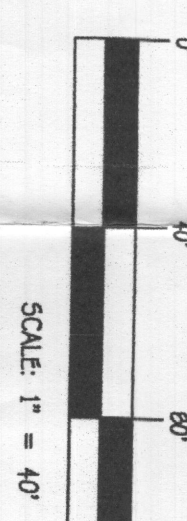
**UTILITY RELOCATION NOTE:**  
 CONTRACTOR SHALL VERIFY THAT ALL UTILITIES ARE CORRECTLY LOCATED AND DEPTHED BY THE DATE OF EACH WORKING DAY. UTILIZATION OF THE FOLLOWING:  
 1. FOR ALL UTILITIES TO BE RELOCATED, THE UTILIZATION OF THE FOLLOWING SHALL BE REQUIRED:  
 A. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 B. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 C. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 D. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 E. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 F. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 G. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 H. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 I. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 J. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 K. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 L. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 M. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 N. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 O. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 P. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 Q. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 R. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 S. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 T. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 U. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 V. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 W. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 X. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 Y. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.  
 Z. PERMANENT DEEP AND WIDENING SHALL BE REQUIRED.

**PROFESSIONAL CERTIFICATION**

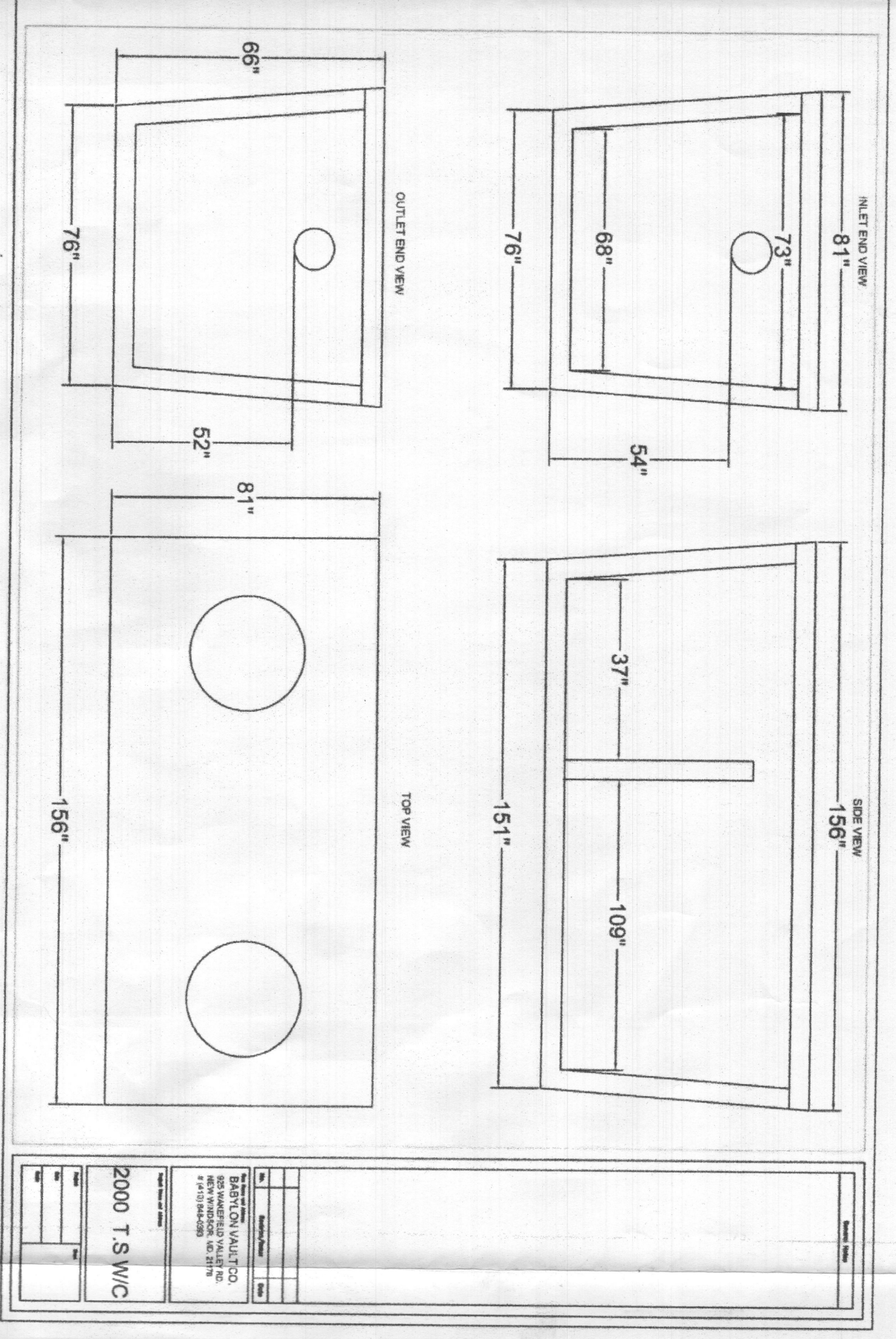


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17020, EXPIRATION DATE: 01/25/26.

PAUL G. CAVANAUGH  
 DATE: JUN. 20, 2025

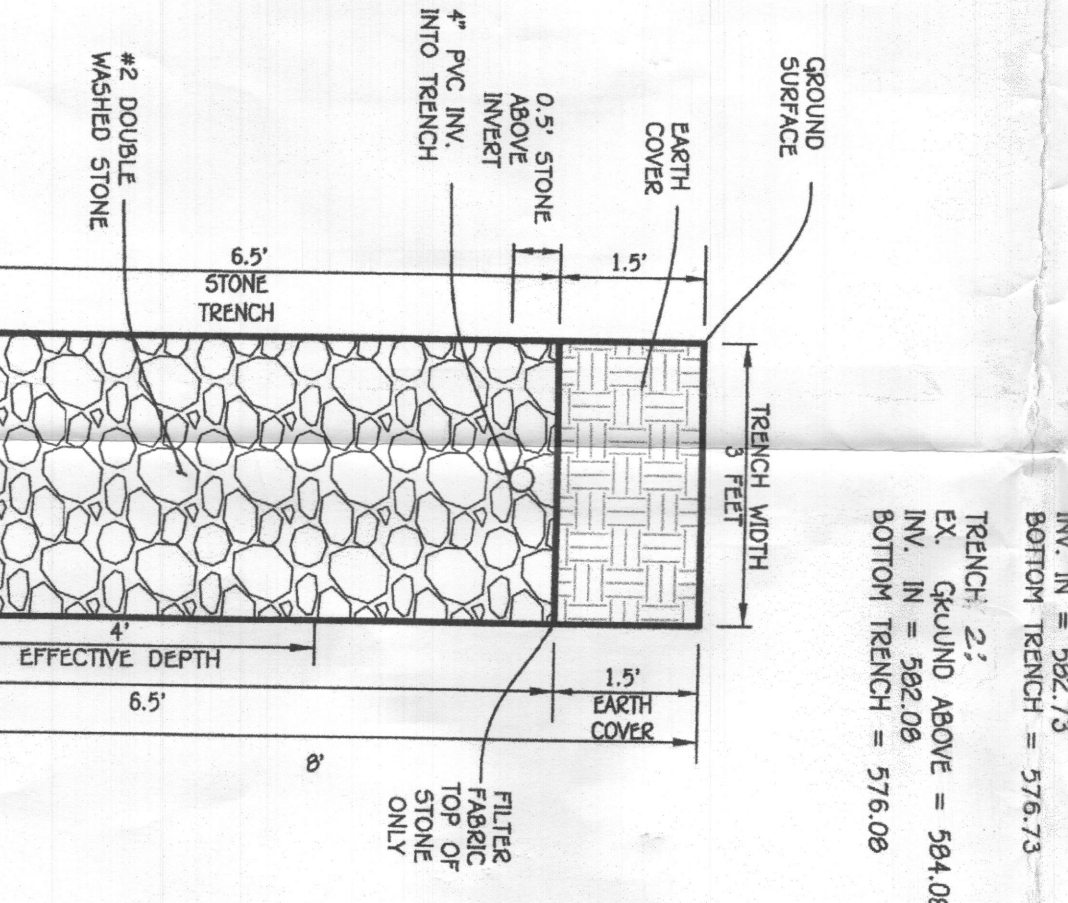
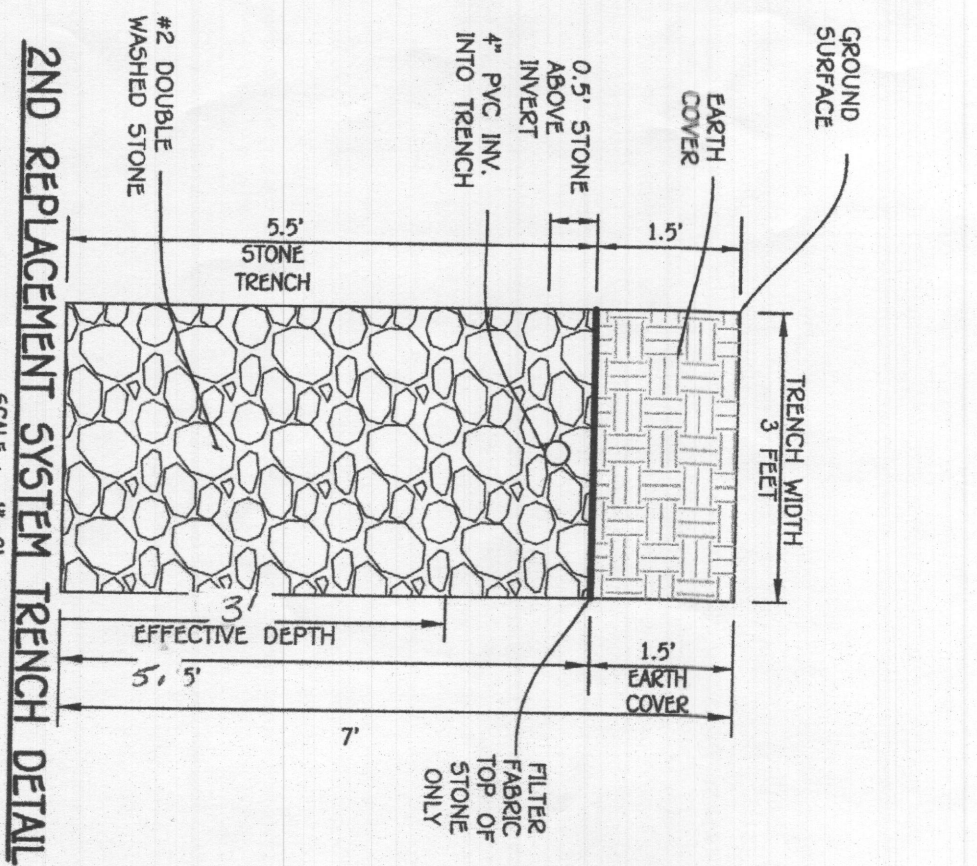
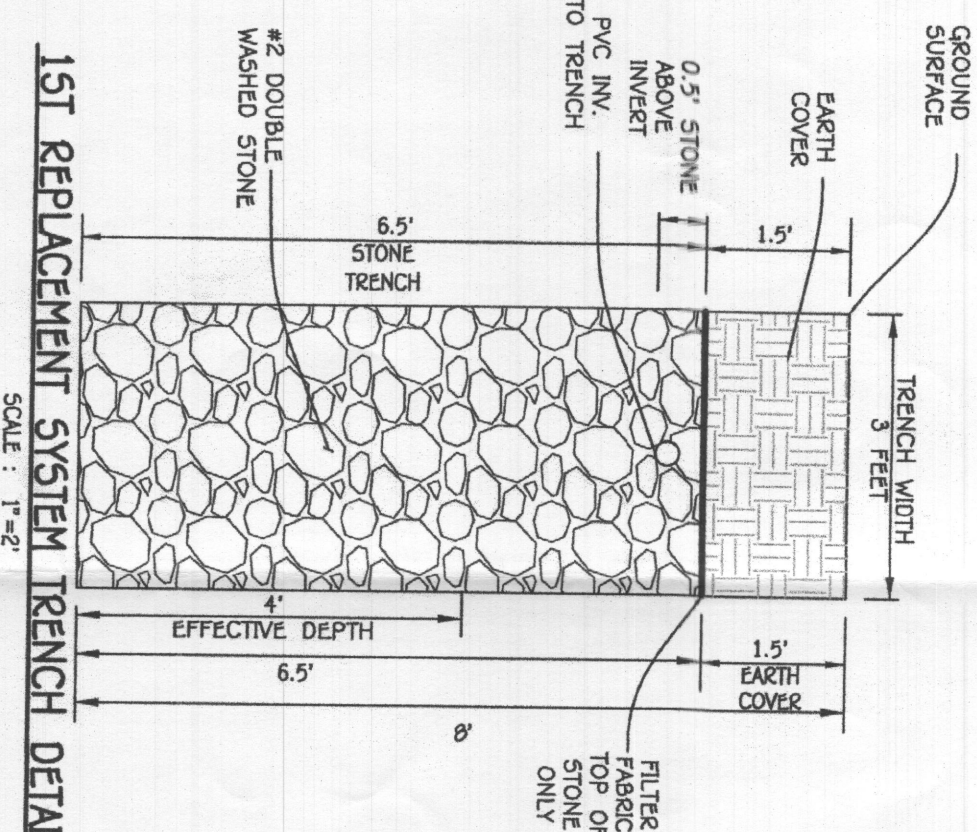


FF 590.95  
 BE 591.11  
 INV. OUT OF HOUSE = 597.67  
 INV. INTO CLEANOUT = 597.41  
 EX. GROUND AT SEPTIC TANK = 597.18  
 PROP. GRADE ABOVE SEPTIC TANK = 597.10  
 TOP OF SEPTIC TANK = 595.10  
 INV. INTO SEPTIC TANK = 594.93  
 EX. GROUND AT DISTRIBUTION BOX = 594.96  
 INV. INTO DISTRIBUTION BOX = 593.81  
 INV. OUT OF DISTRIBUTION BOX = 593.51



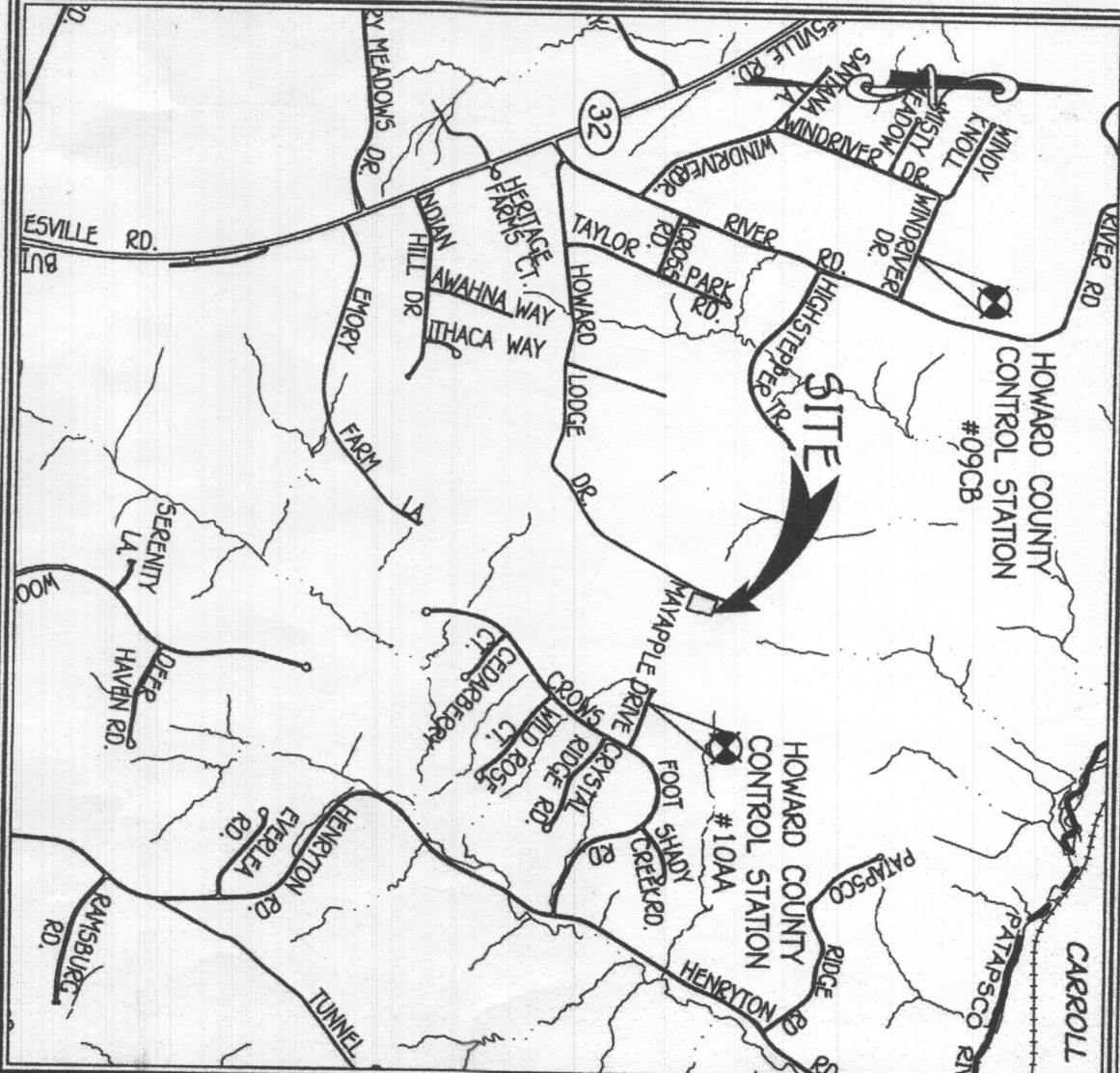
**PROFILE SEPTIC LINE**  
 SCALE HORIZ. 1" = 50'  
 VERT. 1" = 5'

Station	Profile Elevation	Notes
0+00	597.60	INV. INTO 597.60
0+09.80	597.41	INV. INTO 597.41
0+19.60	597.22	INV. INTO 597.22
0+29.40	597.03	INV. INTO 597.03
0+39.20	596.84	INV. INTO 596.84
0+49.00	596.65	INV. INTO 596.65
0+58.80	596.46	INV. INTO 596.46
0+68.60	596.27	INV. INTO 596.27
0+78.40	596.08	INV. INTO 596.08
0+88.20	595.89	INV. INTO 595.89
0+98.00	595.70	INV. INTO 595.70
1+07.80	595.51	INV. INTO 595.51
1+17.60	595.32	INV. INTO 595.32
1+27.40	595.13	INV. INTO 595.13
1+37.20	594.94	INV. INTO 594.94
1+47.00	594.75	INV. INTO 594.75
1+56.80	594.56	INV. INTO 594.56
1+66.60	594.37	INV. INTO 594.37
1+76.40	594.18	INV. INTO 594.18
1+86.20	593.99	INV. INTO 593.99
1+96.00	593.80	INV. INTO 593.80
2+05.80	593.61	INV. INTO 593.61
2+15.60	593.42	INV. INTO 593.42
2+25.40	593.23	INV. INTO 593.23
2+35.20	593.04	INV. INTO 593.04
2+45.00	592.85	INV. INTO 592.85
2+54.80	592.66	INV. INTO 592.66
2+64.60	592.47	INV. INTO 592.47
2+74.40	592.28	INV. INTO 592.28
2+84.20	592.09	INV. INTO 592.09
2+94.00	591.90	INV. INTO 591.90
3+03.80	591.71	INV. INTO 591.71
3+13.60	591.52	INV. INTO 591.52
3+23.40	591.33	INV. INTO 591.33
3+33.20	591.14	INV. INTO 591.14
3+43.00	590.95	INV. INTO 590.95



**LEGEND**

SYMBOL	DISCREPTION
(---)	EXISTING CONTOUR 2' INTERVAL
(---)	EXISTING CONTOUR 10' INTERVAL
(---)	PROPOSED CONTOUR 10' INTERVAL
(---)	PROPOSED CONTOUR 2' INTERVAL
(---)	EXISTING TREE LINE
(---)	SOIL LINES AND TYPES
(---)	SUBJECT PROPERTY LINE
(---)	ADVANCE PROPERTY LINE
(---)	ADJACENT WELL LOCATION
(---)	ADJACENT PASSED FEED TANK
(---)	ADJACENT PASSED FEED TANK
(---)	EXISTING SOA



**HOWARD COUNTY GEODETIC CONTROL STATIONS**  
 SCALE: 1" = 2000'

HOWARD COUNTY GEODETIC CONTROL NO. 1044  
 N 69°17'33.395" E 1,331,666.825  
 ELEVATION: 563.097'

HOWARD COUNTY GEODETIC CONTROL NO. 0908  
 N 61°57'11.111" E 1,063,793.382  
 ELEVATION: 558.523'

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 EACH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE THE TANK BE REINFORCED.  
 3. THE TANK SHALL BE REINFORCED WITH 4 #4 BARS PERMANENTLY LOCATED AND IS ACCURATELY SHOWN.  
 4. ALL WELLS AND SEPTIC SYSTEMS SHALL BE IDENTIFIED AND SHOWN IN THE PLAN.  
 5. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF ANY WELLS OR SEPTIC SYSTEMS.  
 6. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF ANY WELLS OR SEPTIC SYSTEMS.  
 7. CONTRACTOR TO PERFORM CONSTRUCTION PER CURRENT OSHA STANDARDS.  
 8. CONTRACTOR SHALL PROTECT ALL UTILITIES AND ADJACENT PROPERTY.  
 9. WHEN SEPTIC LINE FROM TANK TO 0-BOX UNDER DECKWAY MUST BE STAYED. SEE PLAN FOR DETAILS.

**SEPTIC SYSTEM INSTALLATION PLAN**  
**BRICKELL PROPERTY**  
 LOT 11

APPROVED SEPTIC SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT

ONNES/BUILDERS  
 NWR, INC.  
 9720 PATUXENT WOODS DRIVE  
 CDUNBURY, MD 21046  
 443-832-9102

DATE: 6/11/25