

SITE PLAN & DATA

SCALE- 1"= 30'
AREA = +/- 1.24 AC.
MAP,GRID,PARCEL: 0009,0012,0136
**ALL EXISTING SEPTIC COMPONENTS ARE TO BE ABANDONED IN A MANNER ACCEPTABLE TO THE HOWARD COUNTY HEALTH DEPARTMENT.
**PLAN IS NOT OF SURVEY ACCURACY. DERIVED FROM COUNTY METES AND BOUNDS, COUNTY GIS DATA AND REAL-TIME KINEMATIC FIELD RECORDED MEASUREMENTS. PLAN IS FOR USE IN SEPTIC SYSTEM INSTALLATION ONLY.

TEST PIT NUMBER	LIMITING ZONE	TYPE
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TESTING UNSUITABLE FOR ON-SITE DISPOSAL

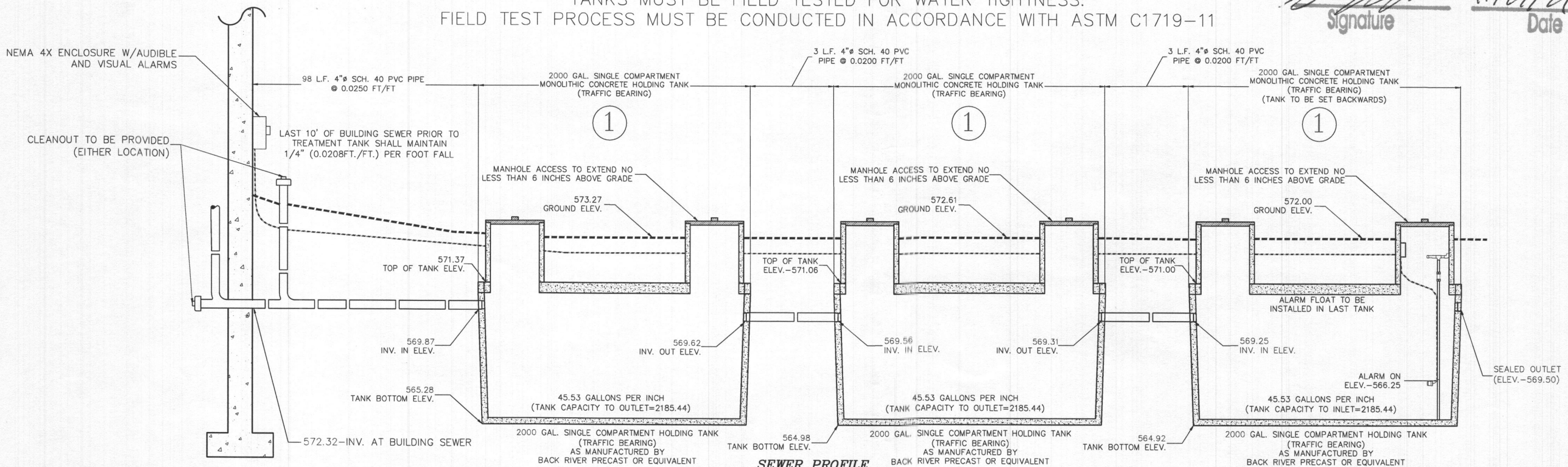
BEDROOMS	5	QUAN.
PEAK DAILY FLOW	750	GPD
SEWAGE TYPE	RESIDENTIAL	
REQ'D HOLDING CAPACITY	5250	GAL.

HOLDING TANK PROVIDED	2000	GAL.	
NUMBER OF TANKS	3	QUAN.	
CAPACITY PER TANK	2185	GAL.	(TO OUTLET)
TOTAL AVAIL. CAPACITY	6556.32	GAL.	
SEPTIC TANK TYPE	MONOLITHIC CONCRETE		

DISPLACED WATER VOLUME	2185.44	GAL.
WATER WEIGHT (PER GALLON)	8.34	LBS
DISPLACED WATER WEIGHT	18226.6	LBS
TANK WEIGHT	2295.0	LBS
ANTI-BUOANCY WEIGHT (REQ'D)	0.0	LBS



TANKS MUST BE FIELD TESTED FOR WATER TIGHTNESS.
FIELD TEST PROCESS MUST BE CONDUCTED IN ACCORDANCE WITH ASTM C1719-11

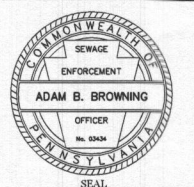


Approved Septic System Plan
Howard County Health Department
Signature 11/27/24
Date

PENN'S TRAIL ENVIRONMENTAL, LLC
2927 E. PINCEVILLE RD. #141

327 E. RIDGEVILLE BLVD. #141
MOUNT AIRY, MD 21771
ph. (301) 829-5022
email: staff@pennstrail.com

HOLDING TANK DESIGN
PREPARED FOR
12561 INDIAN HILL DRIVE TRACT
SYKESVILLE, 3RD ELECTION DISTRICT,
HOWARD COUNTY, MARYLAND
DATE: AUGUST 26, 2024
SCALE: AS NOTED



MARYLAND ON-SITE WASTEWATER
SERVICE LICENSE #0100

PTE#6975

[illegible]

CALL BEFORE YOU DIG!
1-800-257-7777

PROTECTION LINE THE UNDERGROUND UTILITY LINE

CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE DETERMINED PURSUANT TO REQUIREMENTS OF TYPE. CONTRACTORS MUST BE ADVISED THAT THE PROTECTION LINE SYSTEM HAS BEEN DEVELOPED FROM THE UTILITY COMPANY RECORDS AND THERE ARE NO LESS THAN 3 INCH MORE THAN 10 DAYS PRIOR TO ANY WORKING FACILITY OWNERS THROUGH THE MASS UTILITY SYSTEM, COMPLETENESS OR ACCURACY ATTENTION ALL CONTRACTORS: LOCATIONS OF UTILITIES SHOWN EXISTENCE ON DRAWING WORK.



LEGEND:

- TP XX ▲ = TEST EXCAVATIONS
- - - = EXISTING CONTOUR
- - - = PROPOSED CONTOUR
- ⊗ = BENCHMARK LOCATION

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SITE TESTING DATA

TEST PIT NUMBER	LIMITING ZONE	TYPE
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TESTING UNSUITABLE FOR ON-SITE DISPOSAL

DESIGN PARAMETERS

BEDROOMS	5	QUAN.
PEAK DAILY FLOW	750	GPD
SEWAGE TYPE	RESIDENTIAL	
REQ'D HOLDING CAPACITY	5250	GAL.

SYSTEM COMPONENTS

HOLDING TANK PROVIDED	2000	GAL.	
NUMBER OF TANKS	3	QUAN.	
CAPACITY PER TANK	2185	GAL.	(TO OUTLET)
TOTAL AVAIL. CAPACITY	6556.32	GAL.	
SEPTIC TANK TYPE	MONOLITHIC CONCRETE		

BUOYANCY CALCULATIONS

PER 2000 GALLON HOLDING TANK		
DISPLACED WATER VOLUME	2185.44	GAL.
WATER WEIGHT (PER GALLON)	8.34	LBS
DISPLACED WATER WEIGHT	18226.6	LBS
TANK WEIGHT	22950	LBS
ANTI-BUOANCY WEIGHT (REQ'D)	0.0	LBS

(3) 2000 GALLON MONOLITHIC CONCRETE HOLDING TANKS (TRAFFIC BEARING)

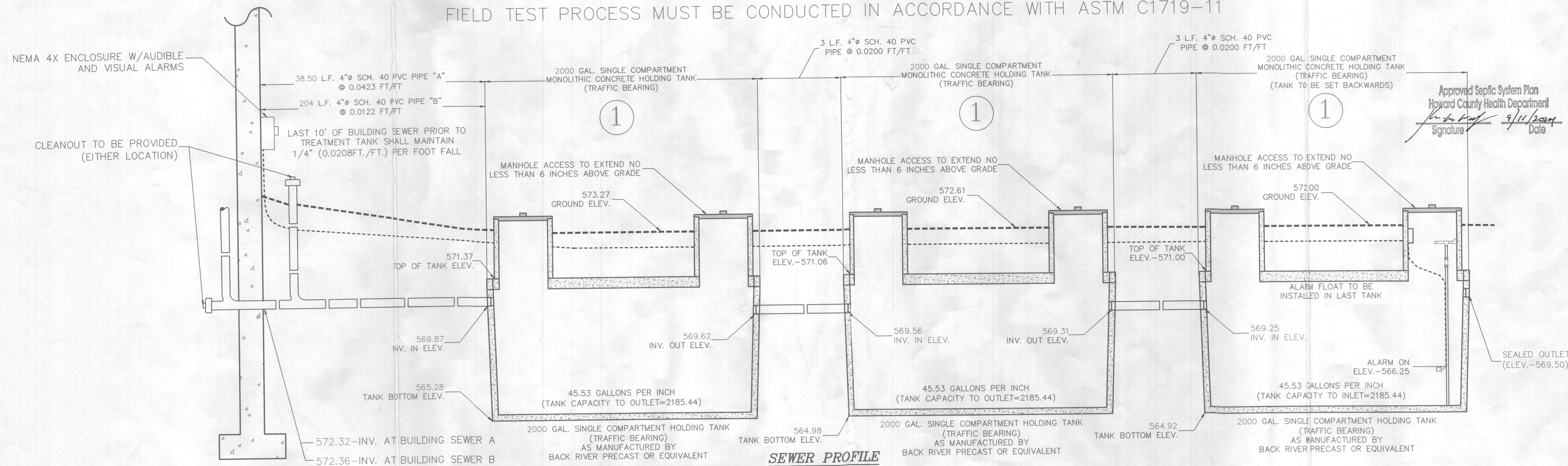
BUILDING SEWER "A"
38.5 L.F. - 4"Ø SCHEDULE 40 PVC

BUILDING SEWER "B"
204 L.F. - 4"Ø SCHEDULE 40 PVC

BENCHMARK-PATIO @ CLEANOUT
ELEVATION= 574.61 (ASSUMED)

UNKNOWN CLEANOUT-IF WELL, TO BE ABANDONED AND SEALED PER HOWARD COUNTY PROTOCOL. IF SEPTIC TANK, TO BE ABANDONED.

TANKS MUST BE FIELD TESTED FOR WATER TIGHTNESS.
FIELD TEST PROCESS MUST BE CONDUCTED IN ACCORDANCE WITH ASTM C1719-11



NO.	REVISIONS	DATE
1.	PER MDE COMMENTS	8/30/24

CALL BEFORE YOU DIG!
1-800-257-7777
CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANT TO REQUIREMENTS OF TYPE AND CLASS OF UTILITIES, THE UTILITY COMPANY RECORDS AND 1-800-242-1776, NO LESS THAN 10' FROM THE UTILITY SYSTEM, COMPLETENESS OR ACCURACY OF THE INFORMATION PROVIDED IS NOT GUARANTEED. LOCATIONS OF EXISTING UTILITIES SHOWN ARE BASED ON RECORDS AND FIELD SURVEY. LOCATIONS OF EXISTING UTILITIES SHOWN ARE BASED ON RECORDS AND FIELD SURVEY.

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HOLDING TANK DESIGN

PREPARED FOR
12561 INDIAN HILL DRIVE TRACT
SYKESVILLE, 3RD ELECTION DISTRICT,
HOWARD COUNTY, MARYLAND

DATE: AUGUST 26, 2024
SCALE: AS NOTED

Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 9/11/2024

ADAM B. BROWNING
OFFICER
P.E. #6975
SEAL

MARYLAND ON-SITE WASTEWATER SERVICE LICENSE #0100

PTE#6975
SHEET 1 OF 1