

LEGEND:

SITE PLAN & DATA

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

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 RECORDED METES AND BOUNDS, COUNTY GIS DATA AND REAL-TIME KINEMATIC FIELD RECORDED MEASUREMENTS. PLAN IS FOR USE IN SEPTIC SYSTEM INSTALLATION ONLY.

SITE TESTING DATA

TEST PIT NUMBER	LIMITING ZONE	TYPE
-----------------	---------------	------

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

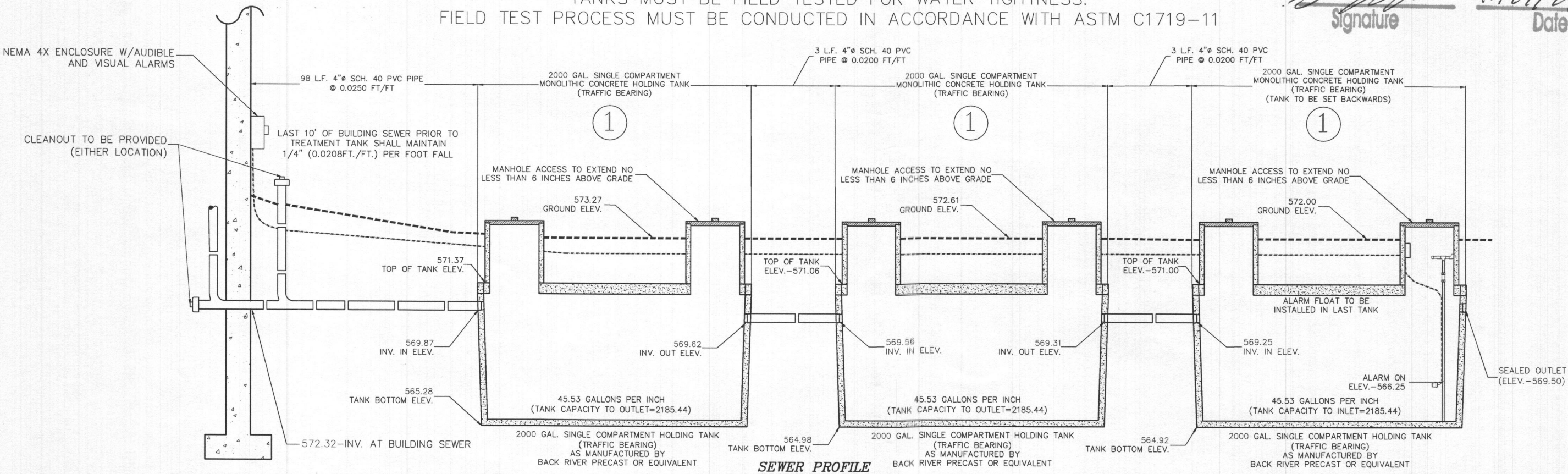
DISPLACED WATER VOLUME	2185.44	GAL.
WATER WEIGHT (PER GALLON)	8.34	LBS
DISPLACED WATER WEIGHT	18226.6	LBS
TANK WEIGHT	22950	LBS
ANTI-BUOANCY WEIGHT (REQ'D)	0.0	LBS

(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)
- ABANDONED WELL

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: *[Signature]* Date: 11/27/24



NO.	REVISIONS	DATE
1.	PER MDC COMMENTS	8/30/23
2.	PER HCHD COMMENTS	11/27/24

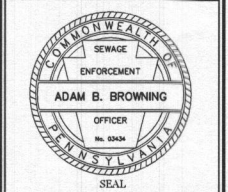
CALL BEFORE YOU DIG!
 1-800-257-7777
 CONTRACTORS MUST VERIFY LOCATION OF UNDERGROUND UTILITIES OR SERVICES PRIOR TO ANY EXCAVATION. MISS UTILITY SERVICE IS AVAILABLE FOR A FEE. SEE DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND UTILITIES FROM MAPS DEVELOPED FROM THE UTILITY COMPANY RECORDS AND 1-800-257-7777. HOMEOWNERS THROUGH THE MISS UTILITY SYSTEM. COMPLIANCE OF ACCURACY ATTENTION ALL CONTRACTORS. LOCATIONS OF EXISTING UTILITIES SHOWN FOR INFORMATION PURPOSES ONLY.



PENN'S TRAIL ENVIRONMENTAL, LLC
 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



LEGEND:

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

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 RECORDED METES AND BOUNDS, COUNTY GIS DATA AND REAL-TIME KINEMATIC FIELD RECORDED MEASUREMENTS. PLAN IS FOR USE IN SEPTIC SYSTEM INSTALLATION ONLY.

SITE TESTING DATA

TEST PIT NUMBER	LIMITING ZONE	TYPE
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		

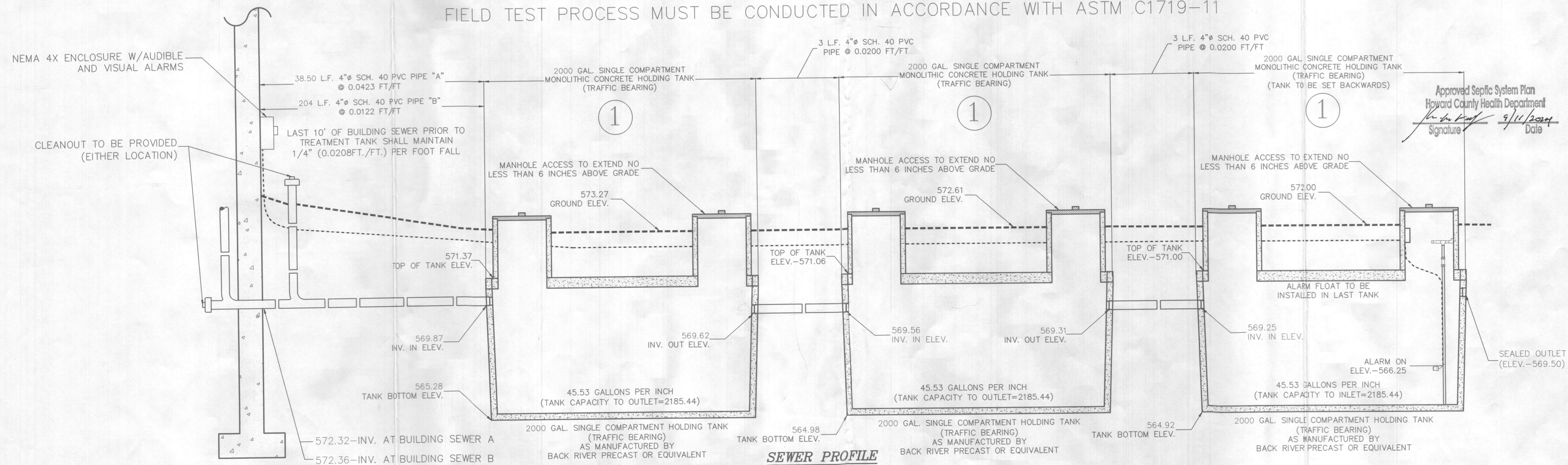
BUOYANCY CALCULATIONS

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-BUOYANCY 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	8/20/24

CALL BEFORE YOU DIG!
 1-800-257-7777
 MISS UTILITY 24/7

PENN'S TRAIL ENVIRONMENTAL, LLC
 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

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

ADAM B. BROWNING
 OFFICER
 SEAL

MARYLAND ON-SITE WASTEWATER SERVICE LICENSE #0100

PIE#6975
 SHEET 1 OF 1