

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 11/24/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572873  
 APPROVAL DATE: 03/12/2021 **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
 PROPERTY ADDRESS: 12254 Mayapple Drive  
 SUBDIVISION: Walker Meadows LOT: Par A TAX ID: 03-601593  
 CONTRACTOR: Sams Creek EMAIL: samscreek@aol.com  
 CONTRACTOR ADDRESS: 2810 Sams Creek Road, New Windsor, MD 21776 PHONE: 443-690-0082  
 PROPERTY OWNER: Cary and Lisa Cumberland EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 815 Windriver Drive, Sykesville, MD 21784 PHONE: 410-997-2188  
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Mayer Brothers  
 PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>171</u>	INLET DEPTH: <u>1.5 3'</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Robert Freemon ISSUE DATE: 11/30/20 EXPIRATION DATE: 11/24/21

- 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

SEE ATTACHED  
AS BUILT

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH INLET BOTTOM

2 3' 7'

NUMBER OF TRENCHES 3

TOTAL LENGTH 171'

ABSORPTION AREA 342 sq ft + sidewalk

DISTRIBUTION BOX LEVEL SPEED

DISTRIBUTION BOX BAFFLE yes

DISTRIBUTION BOX PORT yes

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC top

TANK LID DEPTH 3'

BAFFLES Front & Back

BAFFLE FILTER -

MANHOLE LOC inlet + outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 10-23-20

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:

01/25/2021 SDA, TRENCHES STAKED, TANK STAKED. FALL OK OR TO START (B)

INSTALLATION: 01/25/2021 Tank set AND SHC INSTALLED (B) 1/27/2021 3 x 57' trenches (2' wide) constructed and installed. D-box set REVIS) for baffles and d-box leveling. (P)  
1/28/21- discharge line from the tank to the d box 110' long w/ no clo. Contractor will add clo to line, dbox not level - the outlet's pipe coming out of the d box to the first trench is level so it doesn't matter how you position the leveler the trench won't take any water, 6" baffle on front end of septic tank and 4" baffle on back end. Reinspect for clo & levelers. (D) 01/29/2021 SPEED LEVELS OK AND CLEAN OUT OK. (P)

FINAL INSPECTOR

DATE OF APPROVAL

03/12/2021

NOT TO SCALE

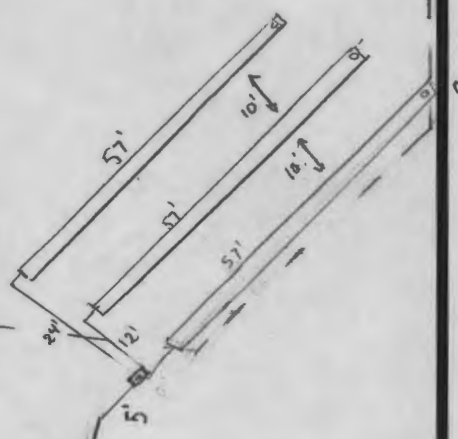
A-C = 243'  
B-C = 249'  
A-D = 192'  
B-D = 175'

Ho-17-0281



100'

dbx - 178' to A  
179' to B



1 2 2 5 4

MATAPPE DRIVE

# Howard County Health Department

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

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- 572873

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: Sams, Cook  
LOCATION: 12254 Mayapple Drive Walker Meadows Pres Pa

**\*\*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



# HOWARD COUNTY HEALTH DEPARTMENT

72873

DATE 11/21/20

PS

Received From

Sandy Creek Conto

PHONE #

For

Septic Permit /  
Malappale Dr

CASH

CHECK

NO. 3801

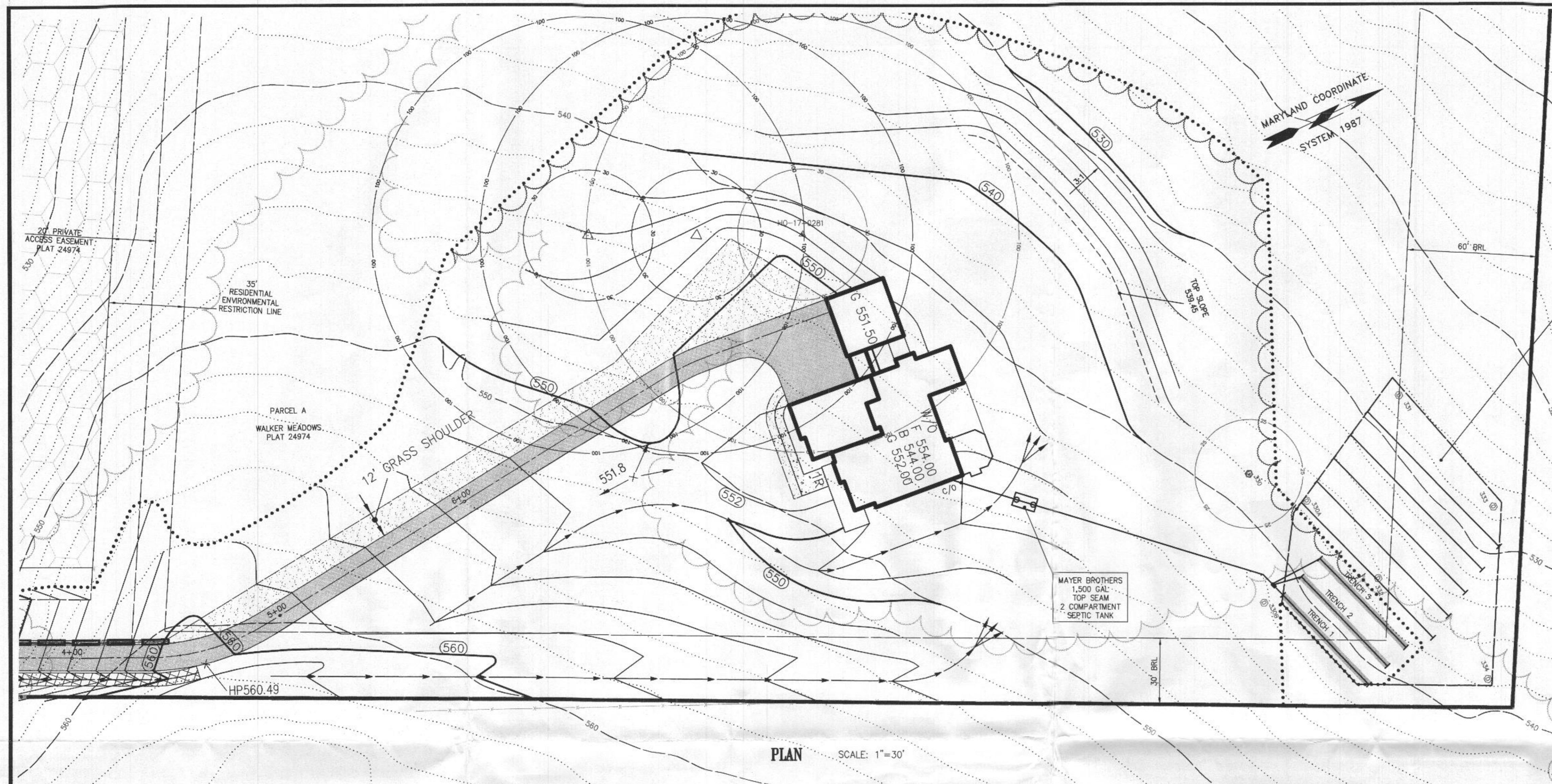
Three hundred ninety five Dollars

\$ 395.00

Received By

[Signature]





**5 BEDROOM: 750 GPD 1500 Gallon Top Seam 2 Compartment Septic Tank**

**INITIAL SYSTEM:**  
 Loading Rate: 0.8 GPD per Square Foot  
 Effective Area Depth: 3.0' to 7.0'  
 2' Wide Trench  
 Deep Trench: 3 Lines @ 57.00'

**FIRST REPLACEMENT SYSTEM:**  
 Loading Rate: 0.8 GPD per Square Foot  
 Effective Area Depth: 3.0' to 7.0'  
 2' Wide Trench  
 Deep Trench: 2 Lines @ 87.00'

**SECOND REPLACEMENT SYSTEM:**  
 Loading Rate: 0.6 GPD per Square Foot  
 Effective Area Depth: 4.0' to 6.0'  
 3' Wide Trench  
 Deep Trench: 3 Lines @ 87.00'

PLAN SCALE: 1"=30'

- GENERAL NOTES**
- Current Title Reference:  
 Owner: Cary K & Lisa A Cumberland  
 County Land Record 19507 Page 131  
 2020-June-30  
 Grantor: ESC Walker Meadow, LC
  - Subject Property Zoned: RR-DEO
  - Total area of property: 1,131,062 sq.ft.
  - Septic easement subject to Howard County Health Department review.
  - Contractor/Builder to verify elevation in the field before beginning any construction.
  - The topography shown hereon was taken from data by Howard County and based on Bare Earth LIDAR Data U.S. Feet supplemented with field run data by DRS & Associates and is verified to accurately represent the relative changes on the subject property by DRS & Associates.
  - Wetlands currently exist on the property.
  - This area designates a private sewage area as required by the Maryland Department of the Environment for individual sewage disposal. For lots created prior to March of 1972 it provides at least enough area to accommodate an initial on two replacement septic systems as required by the Howard County Health Department. Improvements of any nature in this area are restricted until public sewerage is available. This area shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
  - Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
  - The existing well shown on this plan identified with the attached well tag number "HO-17-0281" has been field located by DRS & Associates professional land surveyor and is accurately shown.
  - 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.
  - Electrical work for the installation must be performed by a licensed electrician.
  - 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.

**LEGEND**

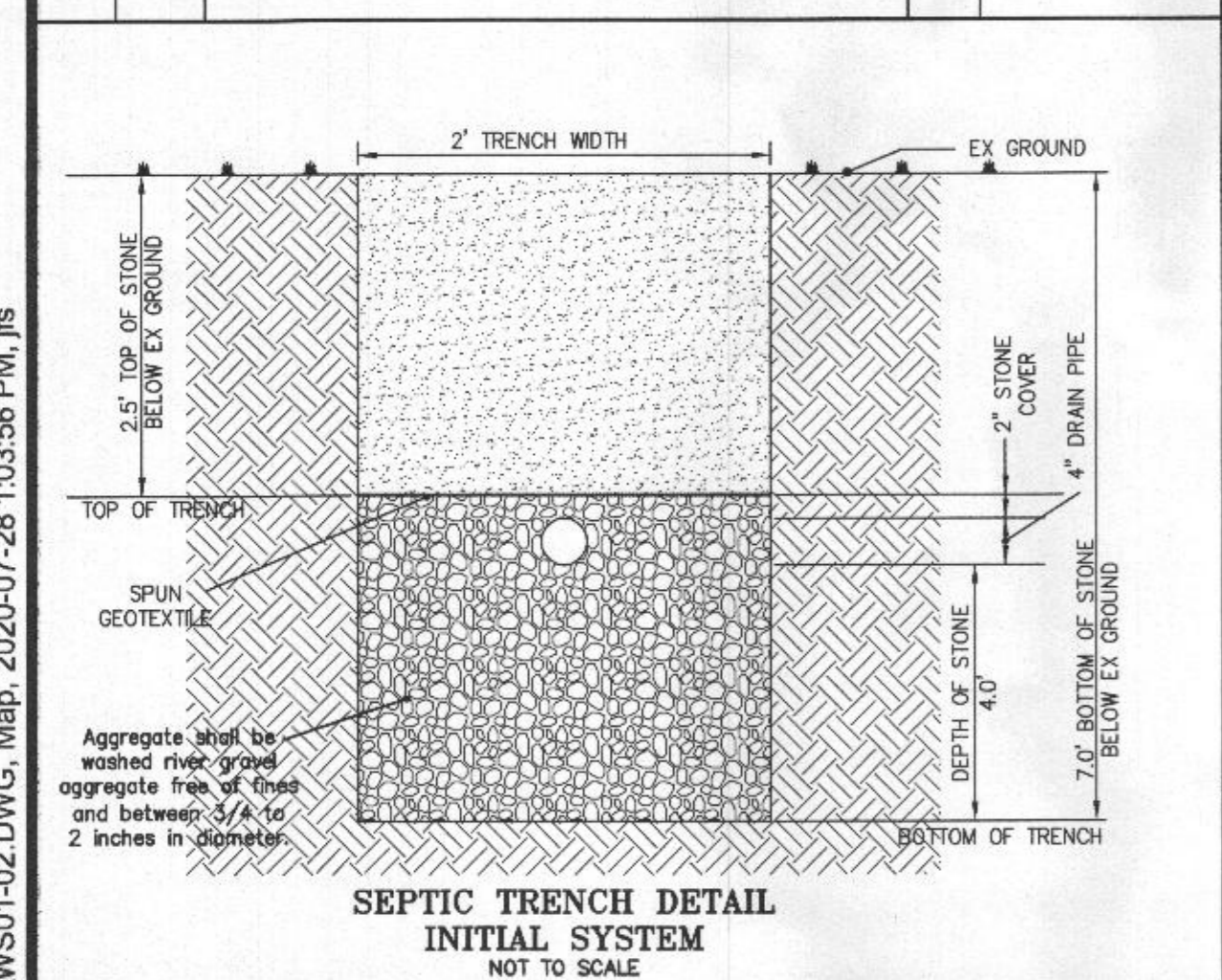
Existing	Proposed
Edge of Rd Feature separation distance in feet	Edge of Rd Feature separation distance in feet
Ind. Contours Int. Contours	Ind. Contours Int. Contours
Lot Line Plot Outline Septic Area	Lot Line Plot Outline Septic Area
Bit. Conc. Pav.	Bit. Conc. Pav.

**SEPTIC TEST LEGEND**

⊕ Deep Trench Perc Pass  
 ⊖ Deep Trench Perc Fail

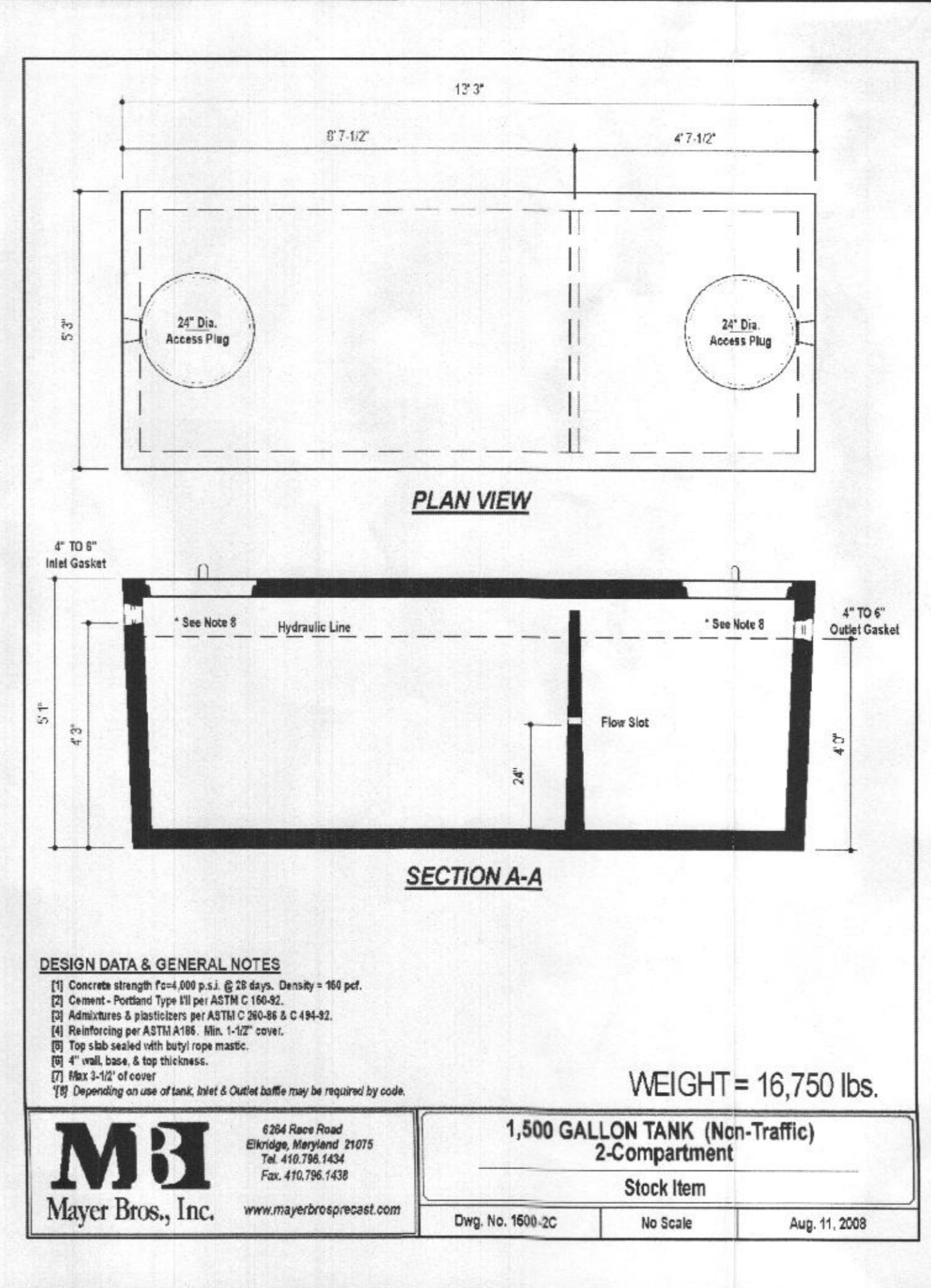
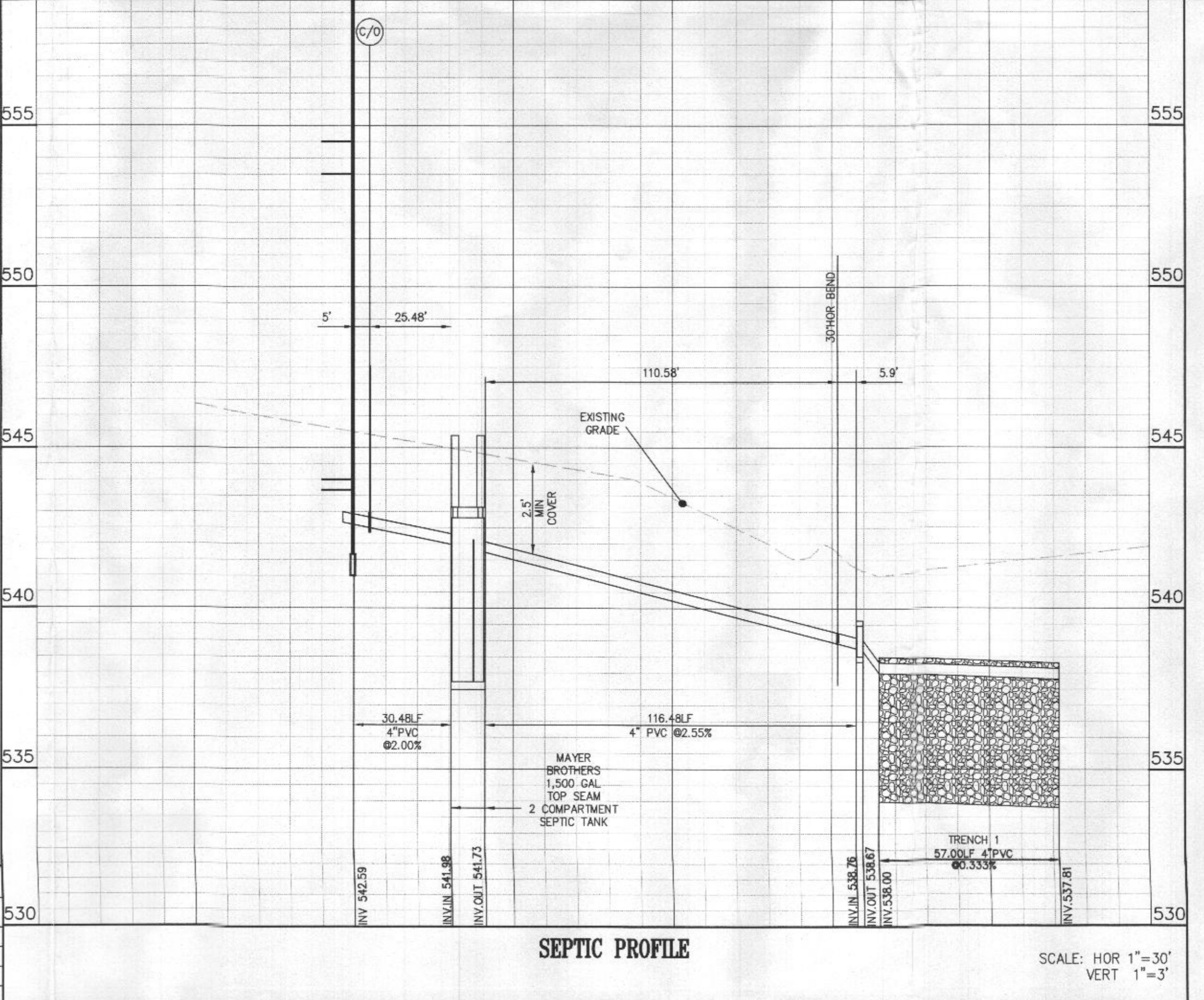
**SEPTIC TEST RESULTS**

TEST ID	TEST TYPE	TEST COMMENTS	SAN	TEST DATE
330	⊕	65% rock	RB	2015-03-13
330A	⊕	3m@6.5', excavated to 12.0'	RB	2015-03-13
330B	⊕	12m@7', excavated to 12.0'	RB	2015-03-13
331	⊕	3m@5.8', excavated to 10.0'	RB	2015-03-13
332	⊕	10m@7', excavated to 12.0'	RB	2015-03-13
333	⊕	25m@5.5', excavated to 11.0'	RB	2015-03-13
334	⊕	9m@7.5', excavated to 12.0'	RB	2015-03-13



**INVERT CHART FOR TRENCHES**

TRENCH NUMBER	BEGINNING EX GRID EL	BEGINNING INV	BEGINNING TRENCH BOT	END EX GRID EL	END INV	END TRENCH BOT
1	541.00	538.00	534.00	541.61	537.61	533.81
2	539.70	536.70	532.70	539.85	535.85	531.85
3	538.40	535.40	531.40	538.20	534.40	530.40



**DESIGN DATA & GENERAL NOTES**

- Concrete strength Fc=4,000 p.s.i. @ 28 days. Density = 145 pcf.
- Cement - Portland Type III per ASTM C 150-82.
- Aggregate & spacers per ASTM C 304-86 & C 194-82.
- Reinforcing per ASTM A198. Min. 1-1/2" cover.
- Top slab sealed with butyl rope mastic.
- 4" wall, base & top thickness.
- Max 1-1/2" of cover.
- Depending on use of tank, inlet & outlet baffles may be required by code.

**1,500 GALLON TANK (Non-Traffic) 2-Compartment Stock Item**

WEIGHT = 16,750 lbs.

**Mayer Bros., Inc.**  
 6364 Race Road  
 Elkridge, Maryland 21075  
 Tel: 410.756.1424  
 Fax: 410.756.1438  
 www.mayerbrospc.com

Dwg. No. 1600-2C No Scale Aug. 11, 2008

**ABBREVIATIONS**

B	Basement floor elevation or Book	G	Garage floor elevation
CLR	County Land Record	P	Page
F	First floor elevation	PB	Plot Book

Approved Septic System Plan  
 Howard County Health Department

Signature \_\_\_\_\_ Date \_\_\_\_\_

**REVISIONS**

REV.No.	DATE	BY	DESCRIPTION

**D.R.S. & ASSOCIATES**  
 LAND DESIGN CONSULTANTS  
 52 WINTERS STREET WESTMINSTER, MARYLAND 21157  
 410-848-4060 410-878-6040 F. 410-848-8818

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**OWNER**  
 Cary K & Lisa A Cumberland  
 815 Windriver Dr  
 Sykesville MD 21784  
 410-977-2188

**MAP 09 BLOCK 06 PARCEL 666**  
 ZONED RR-DEO COUNTY LAND RECORD 19507 PAGE 131  
 3RD ELECTION DISTRICT

KBE - 03432-97261 - WSD1-02-Map.plt - 07-29-2020 - 12:24

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