

**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: 10/29/2018 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 564051

APPROVAL DATE: 11/09/2018 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 12117 Frederick Road

SUBDIVISION: Saunders Property

LOT: \_\_\_\_\_

TAX ID: \_\_\_\_\_

03-295095

CONTRACTOR: JM RENEHAN

EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 68 FREDERICK ST TAUNETOWN, MD

21787

PHONE: 443 277 6617

PROPERTY OWNER: Matthew Noble Saunders

EMAIL: \_\_\_\_\_

OWNER ADDRESS: 12117 Frederick Road, Ellicott City, MD 21042

PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 1000

TANK MANUFACTURER: Mayer Bros

PUMP MODEL: N/A

PUMP SIZE \_\_\_\_\_

N/A

PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM:  GRAVITY

PRESSURE DOSED

BEDROOMS: 3

APPLICATION RATE: 1.2

|           |   |  |
|-----------|---|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>79</u>   | INLET DEPTH: <u>4</u>                    |
|           | TRENCH WIDTH: <u>3</u>  | MAXIMUM BOTTOM DEPTH: <u>8</u>           |
|           | MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>   | EFFECTIVE AREA BEGINNING DEPTH: <u>6</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: 10/29/2018

EXPIRATION DATE: 10/29/2019

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 DOWNGRAIDENT 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.**



# ABBREVIATIONS

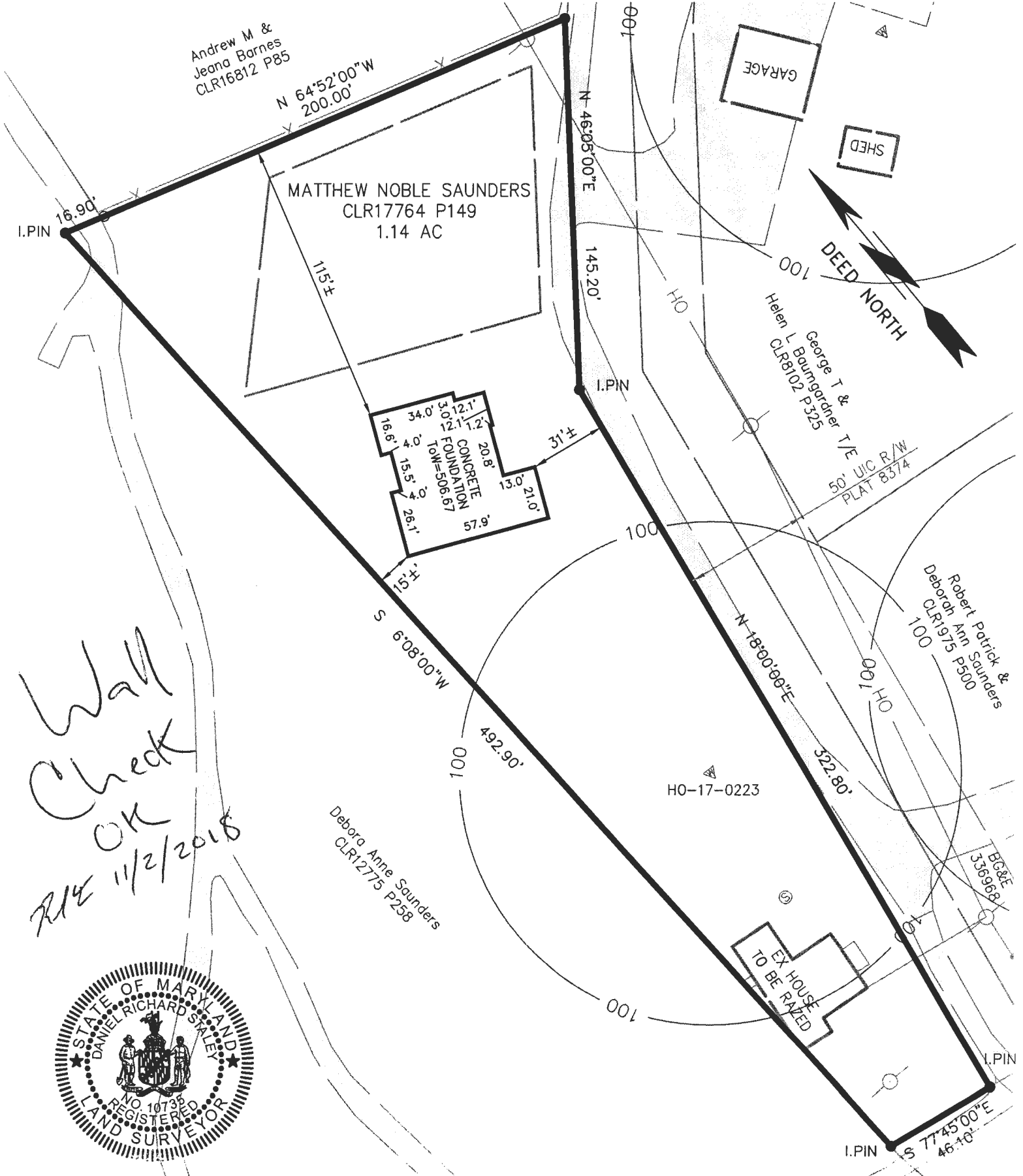
CLR County Land Record  
 P Page  
 R/W Right of Way  
 ToW Top of Wall  
 UIC Use In Common



**DRS & ASSOCIATES**  
 LAND DESIGN CONSULTANTS

# LEGEND

- ⊙ CLEANOUT, Sewer
- ⊕ CLEANOUT, Drain
- PROP. COR. NOT SET
- PROP. COR. SET/FOUND



*Wall  
 Check  
 OK  
 R/W 11/2/2018*



This is to certify that I have surveyed the property shown hereon, known as Saunders Property, located at 12117 Frederick Road, in the 3rd Election District of Howard County, Maryland for the purpose of locating the improvements only, and that the improvements are located (±1) as shown hereon, and are not in a flood prone or flood hazardous area.

*Daniel R. Staley 2018-10-31*  
 Daniel R. Staley L.S. 10735 Date

16 13 04  
 Map Block Parcel  
 1"=50'  
 Scale

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BQ

Barrick Dispatch 301-845-6343  
Barrick Sale 301-845-6341

We are an Equal Opportunity Employer  
**S.W. Barrick & Sons**  
WOODSBORO, MARYLAND

Mailing Address:  
P.O. Box 1504  
Laurel, Maryland 20725

INSPECTOR'S COPY

BILLING INQUIRIES  
1-800-762-2294

TICKET #01418388

STATION B

DATE 11/06/18 TIME 07:34:34

CUSTOMER CASH  
CASH CUSTOMER

JOB JMRELL : J.M. RENEHAN, ELLICOTT  
P.O. # PROJECT #: JOE# 443, 277, 6617  
12117 FREDERICK RD, ELLICOTT CITY, MD  
I-70 EAST - EXIT 80 TO MD-32 SOUTH -  
LEFT @ MD-144 (FREDERICK RD) -  
DESTINATION APPROX 1 MILE ON RIGHT

TRUCK 649A LICENSE  
DRIVER: HUFFER TRUCKING

0 AXLES

|               |       |
|---------------|-------|
|               | lb    |
| GROSS         | 45960 |
| TARE (STORED) | 25260 |
| NET           | 20700 |
| NET TONS      | 10.35 |

|                  |       |                   |
|------------------|-------|-------------------|
|                  | Loads | Tons              |
| DAILY            | 4     | 78.23             |
| TOTAL            | 4     | 78.23             |
| TIME IN 07:34:34 |       | TIME OUT 07:34:34 |

MAT'L 22W : DBL WSHED AASHTO #2 STONE  
HAUL RATE 16.50/ton  
HAUL ZONE J-11

|                                 |          |
|---------------------------------|----------|
| MATERIAL CHARGE (@ \$13.05/ton) | \$135.07 |
| HAUL CHARGE                     | \$143.00 |
| Fuel Surcharge                  | \$6.44   |
| 6.00% SALES TAX                 | \$8.10   |
| TOTAL CHARGE                    | \$292.61 |

WEIGHMASTER  
Gloria D.  
Have a Nice Day!

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BILLING INQUIRIES  
1-800-762-2294

TICKET #01418381  
STATION B

DATE 11/06/18 TIME 07:18:02

CUSTOMER CASH  
CASH CUSTOMER

JOB JMRELL : J. M. RENEHAN, ELLICOTT  
P.O. # PROJECT #: JOB# 443, 277, 5017  
12117 FREDERICK RD, ELLICOTT CITY, MD  
I-70 EAST - EXIT 80 TO MD-32 SOUTH -  
LEFT @ MD-144 (FREDERICK RD) -  
DESTINATION APPROX 1 MILE ON RIGHT

TRUCK 780A LICENSE  
DRIVER: BLICK TRUCKING

3 AXLES

|                  | Loads | Tons              |
|------------------|-------|-------------------|
| DAILY            | 2     | 45.61             |
| TOTAL            | 2     | 45.61             |
| TIME IN 07:18:02 |       | TIME OUT 07:18:02 |

GROSS  
TARE (STORED)  
NET  
NET TONS

1b  
69000  
23980  
45020  
22.51

MAT'L 22W : DBL WSHD AASHTO #2 STONE  
HAUL RATE \$6.50/ton  
HAUL ZONE J-11

|                                 |          |
|---------------------------------|----------|
| MATERIAL CHARGE (@ \$13.05/ton) | \$293.76 |
| HAUL CHARGE                     | \$146.32 |
| Fuel Surcharge                  | \$6.58   |
| 6.00% SALES TAX                 | \$17.63  |
| TOTAL CHARGE                    | \$464.29 |

WEIGHMASTER

Gloria O.

Have a Nice Day!

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301-845-6341

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 Laurel, Maryland 20725

**INSPECTOR'S COPY**BILLING INQUIRIES  
1-800-762-2294
**TICKET #01418383**  
 STATION B

DATE 11/06/10 TIME 07:25:01

**CUSTOMER CASH**  
 CASH CUSTOMER

**TRUCK 740B LICENSE**  
 DRIVER: DAVID COBLENTZ

3 AXLES

|               |              |
|---------------|--------------|
| GROSS         | lb           |
| TARE (STORED) | 69300        |
| NET TONS      | 24760        |
|               | 44540        |
|               | <b>22.27</b> |

**MAT'L 22W : DBL WSHED AASHTO #2 STONE**  
 HAUL RATE \$6.50/ton  
 HAUL ZONE J-11

WEIGHMASTER

Gloria O.

Have a Nice Day!

**JOB JMRELL : J.M. RENEHAN, ELLICOTT**  
 P.O. # PROJECT #: JOE# 443,277,6617  
 12117 FREDERICK RD, ELLICOTT CITY, MD  
 I-70 EAST - EXIT 80 TO MD-32 SOUTH -  
 LEFT @ MD-144 (FREDERICK RD) -  
 DESTINATION APPROX 1 MILE ON RIGHT

|                  | Loads | Tons              |
|------------------|-------|-------------------|
| DAILY            | 3     | 67.88             |
| TOTAL            | 3     | 67.88             |
| TIME IN 07:25:01 |       | TIME OUT 07:25:01 |

|                                 |                 |
|---------------------------------|-----------------|
| MATERIAL CHARGE (@ \$13.05/ton) | \$290.62        |
| HAUL CHARGE                     | \$144.76        |
| Fuel Surcharge                  | \$6.51          |
| 6.00% SALES TAX                 | \$17.44         |
| <b>TOTAL CHARGE</b>             | <b>\$459.33</b> |

RECEIVED BY

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Barrick Sale  
301-845-6341

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# S.W. Barrick & Sons

WOODSBORO, MARYLAND

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Laurel, Maryland 20725

INSPECTOR'S COPY

BILLING INQUIRIES  
1-800-762-2294

TICKET #01418376

STATION B

DATE 11/06/18 TIME 07:10:18

CUSTOMER CASH  
CASH CUSTOMER

JOB JMRELL : J.M. RENEHAN, ELLICOTT  
P.O. # PROJECT #: JOEN 443.277.6617  
12117 FREDERICK RD, ELLICOTT CITY, MD  
I-70 EAST - EXIT 80 TO MD-32 SOUTH -  
LEFT @ MD-144 (FREDERICK RD) -  
DESTINATION APPROX 1 MILE ON RIGHT

TRUCK 513A LICENSE  
DRIVER: HUBBLE TRUCKING

3 AXLES

|               |       |  |
|---------------|-------|--|
|               | 1b    |  |
| GROSS         | 69260 |  |
| TARE (STORED) | 23060 |  |
| NET           | 46200 |  |
| NET TONS      | 23.10 |  |

|                  |       |                   |
|------------------|-------|-------------------|
|                  | Loads | Tons              |
| DAILY            | 1     | 23.10             |
| TOTAL            | 1     | 23.10             |
| TIME IN 07:10:18 |       | TIME OUT 07:10:18 |

MAT'L 22W : DBL WSHED AASHTO #2 STONE  
HAUL RATE \$6.50/ton  
HAUL ZONE J-11

|                                 |          |
|---------------------------------|----------|
| MATERIAL CHARGE (@ \$13.05/ton) | \$301.46 |
| HAUL CHARGE                     | \$150.15 |
| Fuel Surcharge                  | \$6.76   |
| 6.00% SALES TAX                 | \$18.09  |
| TOTAL CHARGE                    | \$476.46 |

WEIGHMASTER Gloria O.  
Have a Nice Day!

RECEIVED BY Joel

From:  
DRS & Associates  
52 Winters Street  
Westminster, MD 21157  
410-848-4060 \* 410-876-6040

Transmittal: 22055  
Date: 2018-10-31  
Project: 3304-97498  
Title: Saunders Property, SO/JAMH  
Re: Location Drawing  
Delivery: Pickup/Email/kbe

To:  
Joe Renehan  
68 Frederick Street  
Taneytown, MD 21787

---

2 Location Drawings

J.A. Myers  
12117 Frederick Rd  
Ellicott city

Hank

✓  
/DRS

c: "Myers, Ben/JAMyers" <bmyers@jamyershomes.com>

c: "Wallace, Ron/JAMyers" <rwallace@jamyershomes.com>

c: "Hawkins, Ashley/JAMyersHomes" <AHawkins@jamyershomes.com>

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Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

### MEMORANDUM

TO: DRS Associates  
52 Winters Street  
Westminster, MD 21157

FROM: Robert Freeman *RIF*  
Well & Septic Program

RE: Saunders Property  
12117 Frederick Rd.  
Ellicott City, MD 21042  
"Septic Plan"

DATE: 1/10/18

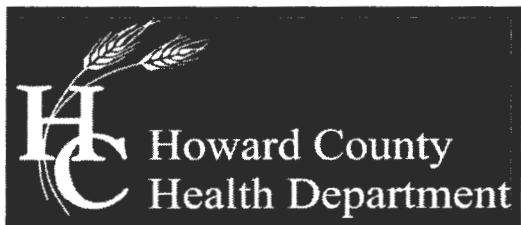
After review of the Septic Plan the following needs to be revised.

- The trenches must be laid out in a more efficient manner. If it is possible to fit more than three systems inside the SDA the design should attempt to accommodate it.
- The design should avoid placing the septic tank inside the SDA. Dry wells may need to be moved.
- The inlet compartment of the septic tank is required be two thirds of the total tank capacity.
- The internal wall of the septic tank is required to have a two inch slot located in the middle of the liquid depth. This slot must extend 4 feet in length.
- The invert of the trench pipe can be no deeper than four feet.
- Change building paper in the trench detail to spun geotextile.
- The symbol for perc hole 204 needs to be represented in the legend.
- Add the note: "The maximum earth cover over the tank is 3 feet. Greater earth cover will require a heavy load bearing tank."
- When the well has been drilled the well will need to be field located and shown on the plan with its tag number. Then add the note "The well (tag#\_\_\_) has been field located and is accurately shown."

- Trench Layout  
OK - Jeff

- Tank must be  
changed

- Talked to  
Dan about  
Tank specs  
Going with  
Mayer  
Brothers  
3/7/18



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

### MEMORANDUM

TO: DRS Associates  
52 Winters Street  
Westminster, MD 21157

FROM: Robert Freemon *RF*  
Well & Septic Program

RE: Saunders Property  
12117 Frederick Rd.  
Ellicott City, MD 21042  
"Septic Plan"

DATE: 1/3/18

*Not Sent*

After review of the Septic Plan the following needs to be revised.

- The invert of the trench pipe can be no deeper than four feet.
- The inlet compartment of the septic tank needs to be two thirds of the total tank capacity.
- The internal wall of the septic tank must have a two inch slot located in the middle of the liquid depth. This slot must extend 4 feet in length.
- Change building paper in the trench detail to spun geotextile.
- The symbol for perc hole 204 needs to be represented in the legend.
- Add the note: The maximum earth cover over the tank is 3 feet. Greater earth cover will require a heavy load bearing tank.
- When the well has been drilled the well will need to be field located and shown on the plan with its tag number. Then add the note "The well (tag#\_\_\_) has been field located and is accurately shown."



**LEGEND**

| Symbol   | Description   |
|----------|---------------|
| (Symbol) | Center Line   |
| (Symbol) | Right of Way  |
| (Symbol) | Property Line |
| (Symbol) | Proposed      |
| (Symbol) | Existing      |
| (Symbol) | Utility       |
| (Symbol) | Water         |
| (Symbol) | Sewer         |
| (Symbol) | Gas           |
| (Symbol) | Electric      |
| (Symbol) | Telephone     |
| (Symbol) | Cable         |
| (Symbol) | Other         |

**ABREVIATIONS**

|   |       |
|---|-------|
| 1" = 10'  | Scale |
| 1" = 20'  | Scale |
| 1" = 40'  | Scale |
| 1" = 80'  | Scale |
| 1" = 160'   | Scale |
| 1" = 320'   | Scale |
| 1" = 640'   | Scale |
| 1" = 1280'  | Scale |
| 1" = 2560'  | Scale |
| 1" = 5120'  | Scale |
| 1" = 10240'   | Scale |
| 1" = 20480'   | Scale |
| 1" = 40960'   | Scale |
| 1" = 81920'   | Scale |
| 1" = 163840'  | Scale |
| 1" = 327680'  | Scale |
| 1" = 655360'  | Scale |
| 1" = 1310720'   | Scale |
| 1" = 2621440'   | Scale |
| 1" = 5242880'   | Scale |
| 1" = 10485760'  | Scale |
| 1" = 20971520'  | Scale |
| 1" = 41943040'  | Scale |
| 1" = 83886080'  | Scale |
| 1" = 167772160'                                       | Scale |
| 1" = 335544320'                                       | Scale |
| 1" = 671088640'                                       | Scale |
| 1" = 1342177280'                                      | Scale |
| 1" = 2684354560'                                      | Scale |
| 1" = 5368709120'                                      | Scale |
| 1" = 10737418240'                                     | Scale |
| 1" = 21474836480'                                     | Scale |
| 1" = 42949672960'                                     | Scale |
| 1" = 85899345920'                                     | Scale |
| 1" = 171798691840'                                    | Scale |
| 1" = 343597383680'                                    | Scale |
| 1" = 687194767360'                                    | Scale |
| 1" = 1374389534720'                                   | Scale |
| 1" = 2748779069440'                                   | Scale |
| 1" = 5497558138880'                                   | Scale |
| 1" = 10995116277760'                                  | Scale |
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| 1" = 5192296262191976070218183980988160'              | Scale |
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| 1" = 13292278430513787315758551512928960'             | Scale |
| 1" = 2658455686102757463151711022585920'              | Scale |
| 1" = 5316911372205514926303422045171840'              | Scale |
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| 1" = 2722258622466776745784152071281777920'           | Scale |
| 1" = 5444517244933553491568304142563555840'           | Scale |
| 1" = 1088903448986710719113726828512711111040'        | Scale |
| 1" = 2177806897973421438226453657024222222080'        | Scale |
| 1" = 4355613795946842876452907314048444444480'        | Scale |
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| 1" = 17422455837783771505811637256193777777920'       | Scale |
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| 1" = 3568119155576324357114702132533288882240'        | Scale |
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| 1" = 67399852888470664161597337022222235840'          | Scale |
| 1" = 1347997057769413232231946680444444471680'        | Scale |
| 1" = 26959941155388264644638933608888893320'          | Scale |

**LEGEND**

| Existing                            |  | Proposed                            |  |
|-------------------------------------|--|-------------------------------------|--|
| Edge of Rd                          |  | Edge of Rd                          |  |
| Feature separation distance in feet |  | Feature separation distance in feet |  |
| Forest                              |  | Forest                              |  |
| Int. Contours                       |  | Int. Contours                       |  |
| Int. Contours Limits of Disturbance |  | Int. Contours Limits of Disturbance |  |
| Lot Line                            |  | Lot Line                            |  |
| Overhead Lines                      |  | Overhead Lines                      |  |
| Plot Outline                        |  | Plot Outline                        |  |
| Septic Area                         |  | Septic Area                         |  |
| Bit. Conc. Pav.                     |  | Bit. Conc. Pav.                     |  |
| Well Area                           |  | Well Area                           |  |
| Existing Proposed                   |  | Existing Proposed                   |  |
| Clean Out, Sewer/Drain              |  | Structure                           |  |
| Dry Well                            |  | Utility Pole w/Guy Wire Well        |  |

**ABBREVIATIONS**

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

**SEPTIC TEST LEGEND**

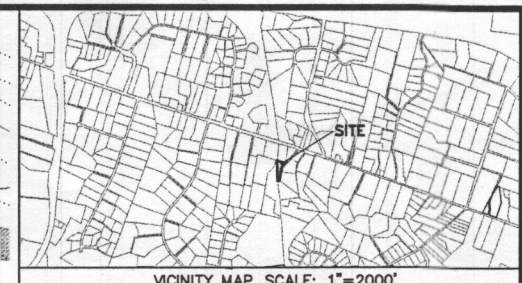
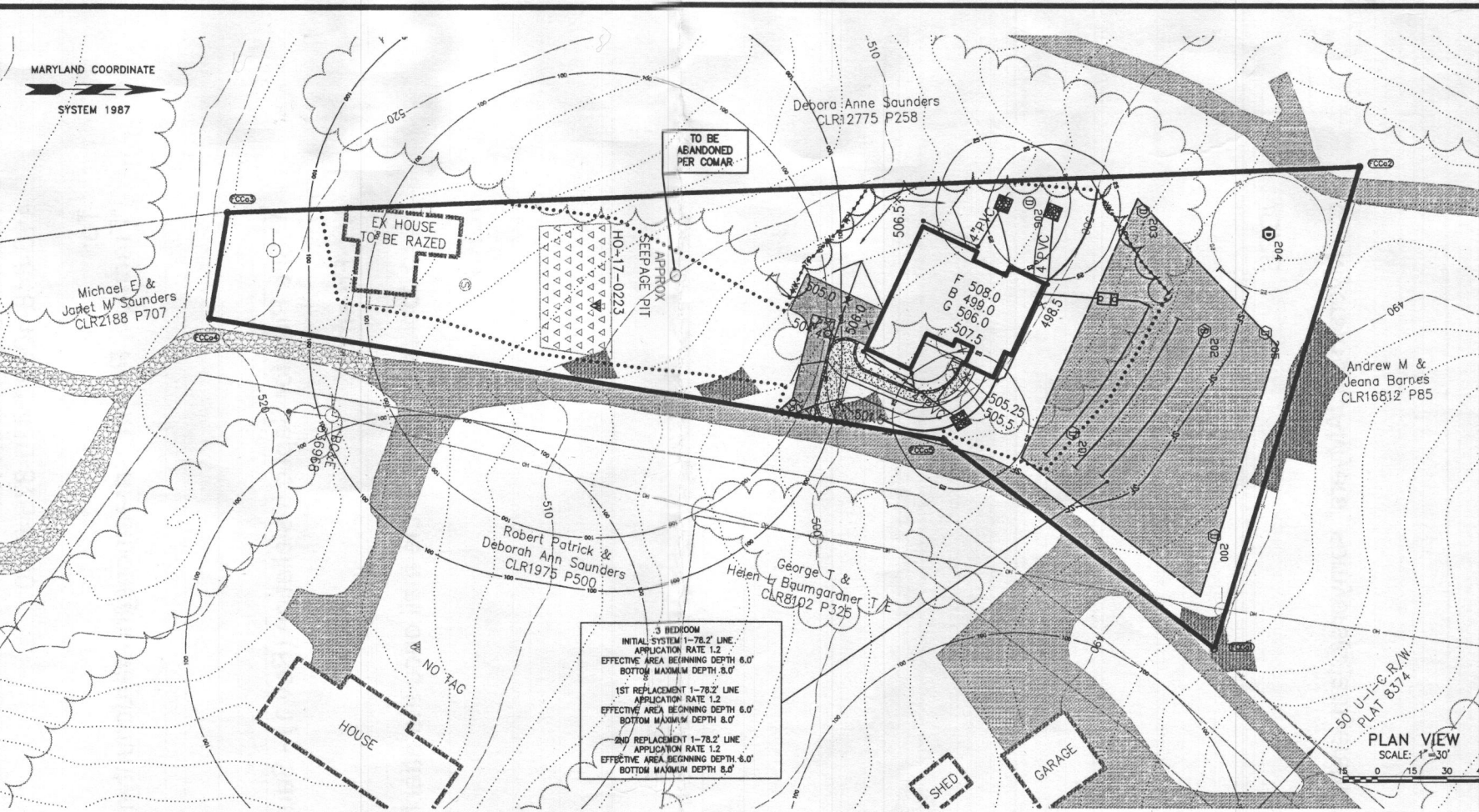
|  |                                       |  |                         |
|--|---------------------------------------|--|-------------------------|
|  | Approved Deep Trench Perc             |  | Failed Deep Trench Perc |
|  | Approved Deep Trench Observation Hole |  |                         |

**SEPTIC TEST RESULTS**

| TEST ID | TEST TYPE | TEST COMMENTS                          | SAN | TEST DATE  |
|---------|-----------|--|-----|------------|
| 200     | ⊙         | 2mØ4.0', excavated to 12.0'            | rf  | 2017-05-16 |
| 201     | ⊙         | 12mØ4.4', excavated to 13.0'           | rf  | 2017-05-16 |
| 202     | ⊙         | >30mØ6.0', 2mØ7.0', excavated to 12.0' | rf  | 2017-05-16 |
| 203     | ⊙         | 4mØ6.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 204     | ⊙         | >30mØ7.5', excavated to 12.0'          | rf  | 2017-05-16 |
| 205     | ⊙         | 4mØ7.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 206     | ⊙         | visual to 12.0'                        | rf  | 2017-05-16 |

"I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

DANIEL R. STALEY L.S. 10735      DATE



- GENERAL NOTES**
- Subject Property Zoned: RR-DCO.
  - Total area of property: 49379.41 sq.ft.
  - Septic easement subject to Howard County Health Department review.
  - Length of trench to be determined at time of septic permit issuance.
  - Contractor/Builder to verify elevation in the field before beginning any construction.
  - The topography shown herein 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.
  - No 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.
  - The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
  - Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
  - All house sites shown comply with minimum building restriction regulations.
  - The existing well shown on this plan identified with the attached well tag number "HO-17-0223" has been field located by DRS & Associates professional land surveyor and is accurately shown.
  - Any changes to a private sewage easement shall require a Revised Perculation Certification Plan.

**Saunders Property**

| Name  | North     | East       | Bearing      | Distance |
|-------|-----------|------------|--------------|----------|
| FDCe1 | 593670.95 | 1331039.60 | N 73°16'12"W | 216.48   |
| FDCe2 | 593733.27 | 1330832.29 | S 2°16'12"E  | 490.57   |
| FDCe3 | 593243.08 | 1330851.72 | S 80°39'48"E | 46.11    |
| FDCe4 | 593235.60 | 1330897.21 | N 9°20'13"E  | 322.37   |
| FDCe5 | 593553.70 | 1330949.51 | N 37°32'13"E | 147.86   |
| FDCe1 | 593670.95 | 1331039.60 | N 73°16'12"E | 216.48   |

Total Area 49379.41 sf      1.13360 acres +/-

**ADJOINING PROPERTY OWNER INFORMATION**

| MAP-BLOCK-PARCEL ACCT ID    | PREMISE ADDRESS                        | OWNER NAME                                     | MAILING ADDRESS                                | TITLE REFERENCE |
|-----------------------------|--|--|--|-----------------|
| 0016-0013-0024 03-295109    | 12121 Frederick Rd Ellicott City 21042 | Saunders Debora Anne                           | 12121 Frederick Rd Ellicott City Md 21042-1048 | CLR12775 P258   |
| 0016-0013-0029              |  | William E.Saunders Property                    |  | Plot 8374       |
| 0016-0013-0029 L1 03-295168 | 12111 Frederick Rd Ellicott City 21042 | Saunders Robert Patrick & Saunders Deborah Ann | 12111 Frederick Rd Ellicott City Md 21042-1048 | CLR1975 P500    |
| 0016-0013-0029 L2 03-314278 | 12113 Frederick Rd Ellicott City 21042 | Saunders Michael E & Saunders Janet M          | 12113 Frederick Rd Ellicott City Md 21042-1048 | CLR2188 P707    |
| 0016-0013-0268 03-295087    | 12105 Frederick Rd Ellicott City 21042 | Baumgardner George T & Baumgardner Helen L T/E | 12105 Frederick Rd Ellicott City Md 21042-1048 | CLR8102 P325    |
| 0016-0013-0415 03-320383    | 12139 Frederick Rd Ellicott City 21042 | Barnes Andrew M & Barnes Jeana                 | 12139 Frederick Rd Ellicott City Md 21042-1048 | CLR16812 P85    |

**PROPERTY OWNER INFORMATION**

| MAP-BLOCK-PARCEL ACCT ID | PREMISE ADDRESS                        | OWNER NAME             | MAILING ADDRESS                           | TITLE REFERENCE |
|--------------------------|--|------------------------|---|-----------------|
| 0016-0013-0004 03-295095 | 12117 Frederick Rd Ellicott City 21042 | Saunders Matthew Noble | 12117 Frederick Rd Ellicott City Md 21042 | CLR17764 P148   |

**APPROVED:** FOR PRIVATE WATER AND SEWER SYSTEMS

HEALTH OFFICER, HOWARD COUNTY HEALTH Dept.      DATE

**SITE PLAN FOR SEPTIC INSTALLATION**  
Saunders Property

OWNER  
Matthew Noble Saunders  
12117 Frederick Rd  
Ellicott City MD 21042

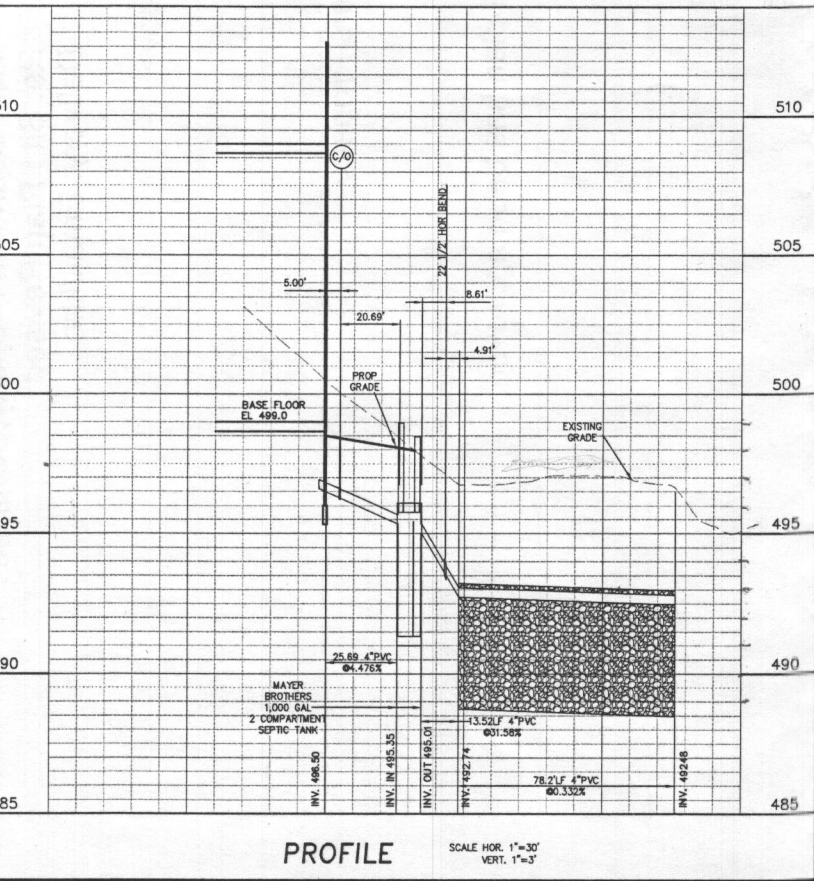
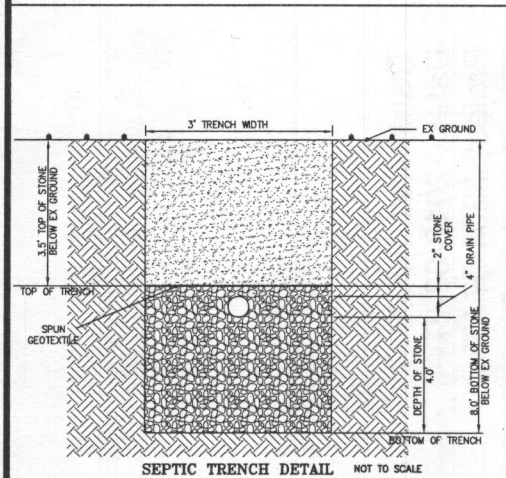
MAP 16 BLOCK 13 PARCEL 04  
ZONED RR-DCO  
3RD ELECTION DISTRICT 12117 FREDERICK RD HOWARD COUNTY, MARYLAND

**D.R.S. & ASSOCIATES**  
LAND DESIGN CONSULTANTS  
52 WINTERS STREET WESTMINSTER, MARYLAND 21157  
410-848-4060 410-876-6040 F. 410-848-8818

| REV. NO. | DATE       | BY      | DESCRIPTION                             | DATE       |
|----------|------------|---------|---|------------|
| 1        | 2016-02-27 | DRS/jfs | ADD WELL & TAG NO & PER HCHD 2016-01-18 | 2017-12-01 |

SCALE: 1"=30'  
SHT. NO. : 1 OF 1  
DWG.: WS01-01

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**DESIGN DATA & GENERAL NOTES**

- Concrete strength  $f'_{c} = 4,000$  p.s.i. @ 28 days. Density = 150 pcf.
- Cement - Portland Type III per ASTM C 150-92.
- Admixtures & plasticizers per ASTM C 260-96 & C 494-02.
- Reinforcing per ASTM A 196. Min. 1-1/2" cover.
- Top slab sealed with butyl rope mastic.
- 4" top, base, & wall thickness.
- Max 3" of cover.
- Depending on use of tank, Inlet & Outlet baffle may be required by code.

**MAYER BROS., INC.**  
6361 River Road  
Ellicott City, Maryland 21075  
Tel. 410.796.1431  
Fax. 410.796.1430  
www.mayerbrospipe.com

**1,000 GALLON SEPTIC TANK**  
2-Compartment  
Stock Item

Dwg. No. 1000-0C      No Scale      Aug 11, 2008



I:\CAD\0330497498\WS01-01.DWG, Rev1, 2016-03-26 11:58:04 AM, jfs

From:  
DRS & Associates  
52 Winters Street  
Westminster, MD 21157  
410-848-4060 \* 410-876-6040

Transmittal: 20999  
Date: 2018-03-27  
Project: 3304-97498  
Title: Saunders Property,SO/JAMH  
Re: Site Plan Revised  
Delivery: Email/kbe

To:  
"Freemon, Robert" <rfreemon@howardcountymd.gov>

---

1 Site Plan for Septic Installation (Rev 1) - Saunders Property

Mr. Freemon,

Hard copies to follow in the mail once the attached plan has been approved.

/DRS

/DRS

c: "Myers,Ben/JAMyers" <bmyers@jamyershomes.com>

---

| LEGEND                              |                                     |
|-------------------------------------|-------------------------------------|
| Existing                            | Proposed                            |
| Edge of Rd                          | Edge of Rd                          |
| Feature separation distance in feet | Feature separation distance in feet |
| Forest                              | Forest                              |
| Ind. Contours                       | Ind. Contours                       |
| Int. Contours                       | Int. Contours                       |
| Limits of Disturbance Lot Line      | Limits of Disturbance Lot Line      |
| Overhead Lines                      | Overhead Lines                      |
| Plot Outline                        | Plot Outline                        |
| Septic Area                         | Septic Area                         |
| Bit. Conc. Pav.                     | Bit. Conc. Pav.                     |
| Well Area                           | Well Area                           |
| Structure                           | Structure                           |
| Clean Out, Sewer/Drain              | Structure                           |
| Dry Well                            | Utility Pole w/Guy Wire Well        |

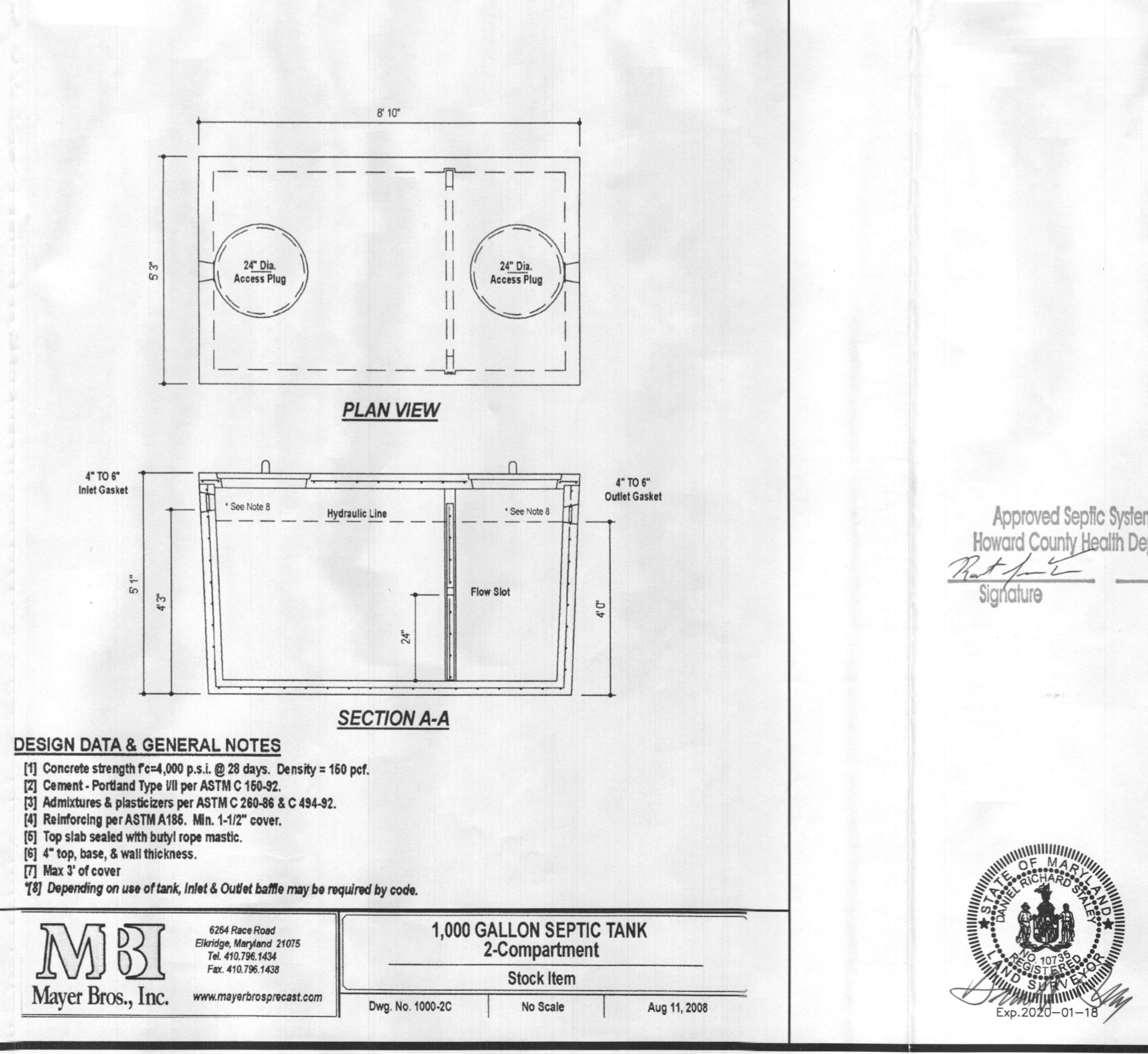
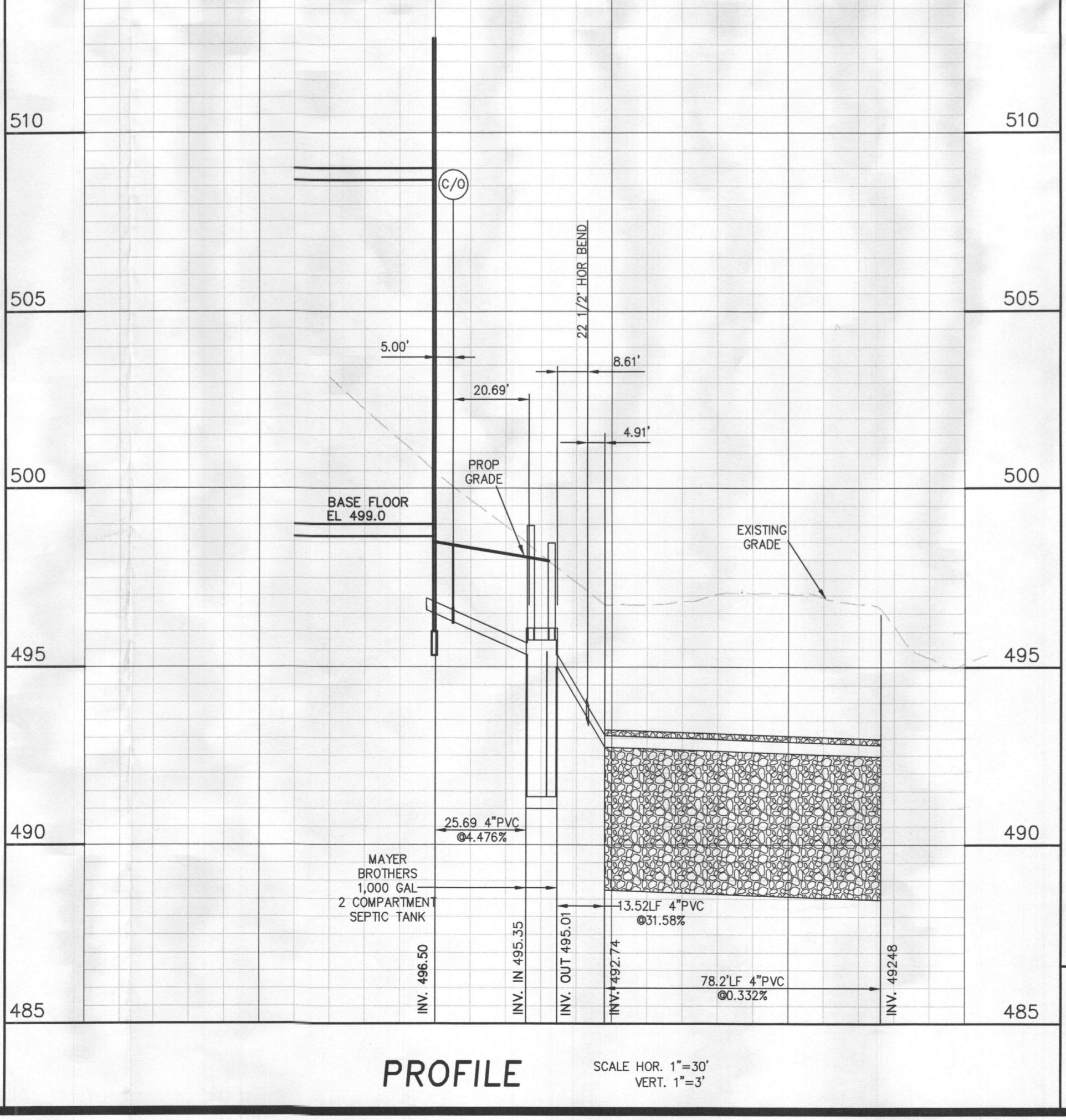
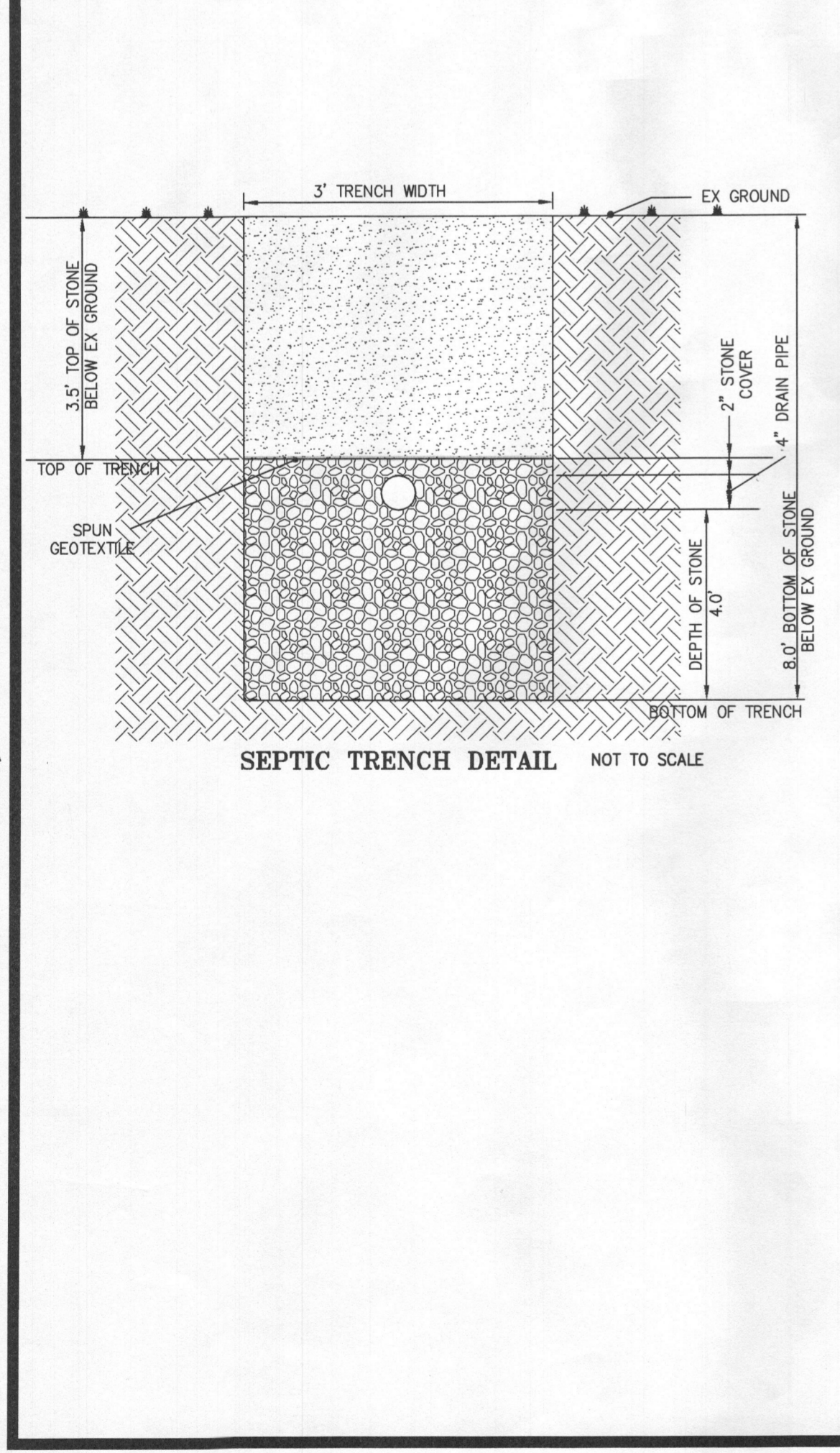
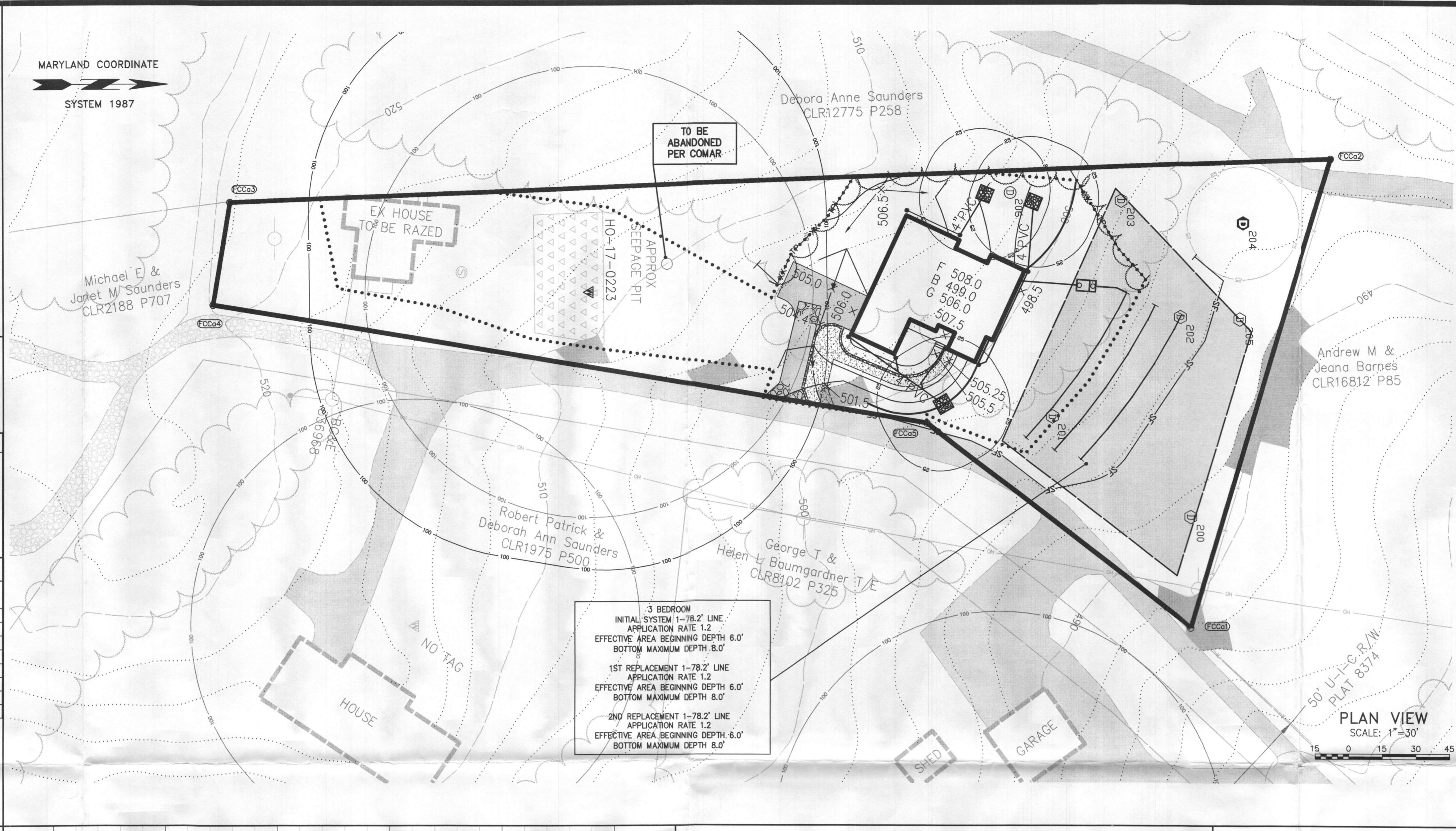
| ABBREVIATIONS |                                  |
|---------------|----------------------------------|
| B             | Basement floor elevation or Book |
| CLR           | County Land Record               |
| F             | First floor elevation            |
| G             | Garage floor elevation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

| SEPTIC TEST LEGEND |                                       |
|--------------------|---------------------------------------|
| ⊕                  | Approved Deep Trench Perc             |
| ⊖                  | Failed Deep Trench Perc               |
| ⊕                  | Approved Deep Trench Observation Hole |

| SEPTIC TEST RESULTS |           |  |     |            |
|---------------------|-----------|--|-----|------------|
| TEST ID             | TEST TYPE | TEST COMMENTS                          | SAN | TEST DATE  |
| 200                 | ⊕         | 2m@4.0', excavated to 12.0'            | rf  | 2017-05-16 |
| 201                 | ⊕         | 12m@4.4', excavated to 13.0'           | rf  | 2017-05-16 |
| 202                 | ⊕         | >30m@6.0', 2m@7.0', excavated to 12.0' | rf  | 2017-05-16 |
| 203                 | ⊕         | 4m@6.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 204                 | ⊕         | >30m@7.5', excavated to 12.0'          | rf  | 2017-05-16 |
| 205                 | ⊕         | 4m@7.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 206                 | ⊕         | visual to 12.0'                        | rf  | 2017-05-16 |

"I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

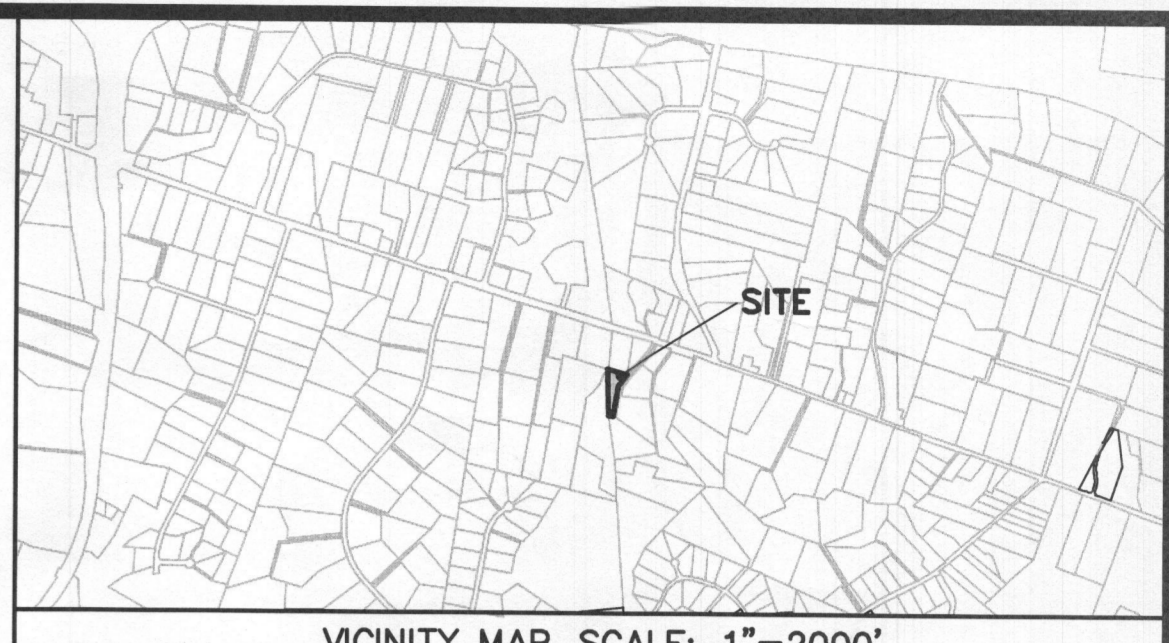
*Daniel R. Staley* 2018-04-12  
 DANIEL R. STALEY L.S. 10735 DATE



- 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 150-82.
  - [3] Admixtures & plasticizers per ASTM C 260-86 & C 494-82.
  - [4] Reinforcing per ASTM A196. Min. 1-1/2\" cover.
  - [5] Top slab sealed with butyl rope mastic.
  - [6] 4\" top, base, & wall thickness.
  - [7] Max 3\" of cover
  - [8] Depending on use of tank, Inlet & Outlet baffle may be required by code.

**Mayer Bros., Inc.**  
 6264 Race Road  
 Elkridge, Maryland 21075  
 Tel. 410.796.1434  
 Fax. 410.796.1438  
 www.mayerbrosprecast.com

**1,000 GALLON SEPTIC TANK**  
 2-Compartment  
 Stock Item  
 Dwg. No. 1000-2C No Scale Aug 11, 2008



**GENERAL NOTES**

1. Subject Property Zoned: RR-DEO.
2. Total area of property: 49379.41 sq.ft.
3. Septic easement subject to Howard County Health Department review.
4. Length of trench to be determined at time of septic permit issuance.
5. Contractor/Builder to verify elevation in the field before beginning any construction.
6. 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.
7. No wetlands currently exist on the property.
8. 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.
9. The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
10. Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
11. All house sites shown comply with minimum building restriction regulations.
12. The existing well shown on this plan identified with the attached well tag number "HO-17-0223" has been field located by DRS & Associates professional land surveyor and is accurately shown.
13. Any changes to a private sewage easement shall require a Revised Percolation Certification Plan.

| Saunders Property |           |            |               |                               |
|-------------------|-----------|------------|---------------|-------------------------------|
| Name              | North     | East       | Bearing       | Distance                      |
| FCCa1             | 593670.95 | 1331039.60 | N 73°16'12\"W | 216.48                        |
| FCCa2             | 593733.27 | 1330832.29 | S 2°16'12\"E  | 490.57                        |
| FCCa3             | 593243.08 | 1330851.72 | S 80°39'48\"E | 46.11                         |
| FCCa4             | 593235.60 | 1330897.21 | N 9°20'13\"E  | 322.37                        |
| FCCa5             | 593553.70 | 1330949.51 | N 37°32'13\"E | 147.86                        |
| FCCa1             | 593670.95 | 1331039.60 |               |                               |
| Total Area        |           |            |               | 49379.41 sf 1.13360 acres +/- |

| ADJOINING PROPERTY OWNER INFORMATION                                     |  |                           |
|--|--|---------------------------|
| MAP-BLOCK-PARCEL ACCT ID PREMISE ADDRESS                                 | OWNER NAME MAILING ADDRESS   | TITLE REFERENCE           |
| 0016-0013-0024 03-295109<br>12121 Frederick Rd<br>Ellicott City 21042    | Saunders Debara Anne<br>12121 Frederick Rd<br>Ellicott City Md 21042-1048  | CLR12775 P258             |
| 0016-0013-0029 L1 03-295168<br>12111 Frederick Rd<br>Ellicott City 21042 | William E.Saunders Property<br>Saunders Robert Patrick & Saunders Deborah Ann<br>12111 Frederick Rd<br>Ellicott City Md 21042-1048 | Plat 8374<br>CLR1975 P500 |
| 0016-0013-0029 L2 03-314278<br>12113 Frederick Rd<br>Ellicott City 21042 | Saunders Michael E & Saunders Janet M<br>12113 Frederick Rd<br>Ellicott City Md 21042-1048   | CLR2188 P707              |
| 0016-0013-0266 03-295087<br>12105 Frederick Rd<br>Ellicott City 21042    | Baumgardner George T & Baumgardner Helen L T/E<br>12105 Frederick Rd<br>Ellicott City Md 21042-1048                                | CLR8102 P325              |
| 0016-0013-0415 03-320383<br>12139 Frederick Rd<br>Ellicott City 21042    | Barnes Andrew M & Barnes Jeana<br>12139 Frederick Rd<br>Ellicott City Md 21042-1048  | CLR16812 P85              |

| PROPERTY OWNER INFORMATION  |  |                 |
|---|--|-----------------|
| MAP-BLOCK-PARCEL ACCT ID PREMISE ADDRESS                              | OWNER NAME MAILING ADDRESS   | TITLE REFERENCE |
| 0016-0013-0004 03-295095<br>12117 Frederick Rd<br>Ellicott City 21042 | Saunders Matthew Noble<br>12117 Frederick Rd<br>Ellicott City Md 21042 | CLR17764 P149   |

APPROVED: FOR PRIVATE WATER AND SEWER SYSTEMS

HEALTH OFFICER, HOWARD COUNTY HEALTH Dept. DATE

DATE 5/31/18 **SITE PLAN FOR SEPTIC INSTALLATION**  
**Saunders Property**

OWNER  
 Matthew Noble Saunders  
 12117 Frederick Rd  
 Ellicott City MD 21042

MAP 16 BLOCK 13 PARCEL 04  
 ZONED RR-DEO  
 3RD ELECTION DISTRICT 12117 FREDERICK RD HOWARD COUNTY, MARYLAND

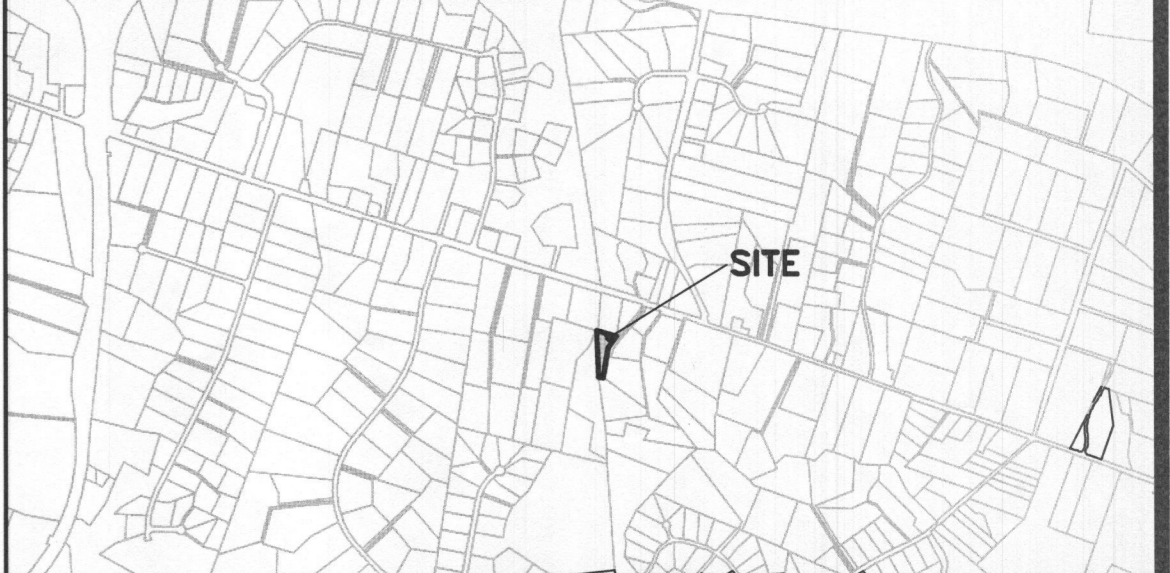
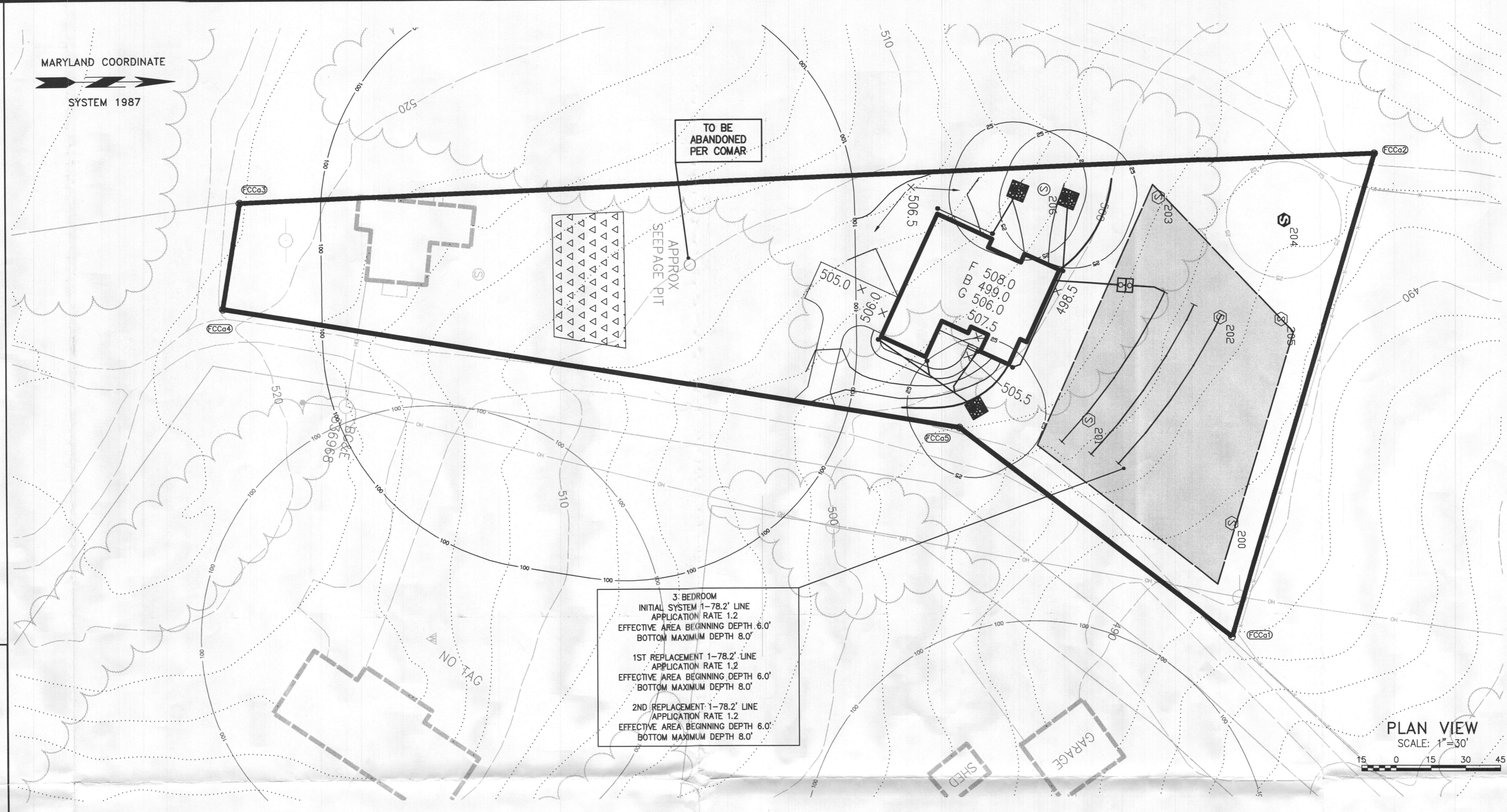
**D.R.S. & ASSOCIATES**  
 LAND DESIGN CONSULTANTS  
 52 WINTERS STREET WESTMINSTER, MARYLAND 21157  
 410-848-4060 410-876-6040 F. 410-848-8818

| REV.No. | DATE       | BY      | DESCRIPTION                             | DATE: 2017-12-01 |
|---------|------------|---------|---|------------------|
| 1       | 2018-02-27 | DRS/jfs | ADD WELL & TAG NO & PER HCHD 2018-01-18 | SCALE: 1\"/>     |

SHT.NO. : 1 OF 1  
 DWG.: WS01-01

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| LEGEND                              |                                     |
|-------------------------------------|-------------------------------------|
| Existing                            | Proposed                            |
| Cable Line                          | Cable Line                          |
| Center Line Rd                      | Center Line Rd                      |
| Curb                                | Curb                                |
| Easement                            | Easement                            |
| Electric                            | Electric                            |
| Edge of Rd                          | Edge of Rd                          |
| Edge of Shoulder                    | Edge of Shoulder                    |
| Feature separation distance in feet | Feature separation distance in feet |
| Fenceline                           | Fenceline                           |
| FIRM 100 Yr. Flood Boundary         | Flood Boundary 500 Yr.              |
| Flood Boundary 500 Yr.              | Flood Boundary 100 Yr.              |
| Flood Boundary 100 Yr.              |                                     |
| Flow Line (Swale,Ditch,Waterway)    | Flow Line (Swale,Ditch,Waterway)    |
| Gas Line                            | Gas Line                            |
| Guardrail                           | Guardrail                           |
| Ind. Contours                       | Ind. Contours                       |
| Int. Contours                       | Int. Contours                       |
| Limits of Disturbance               | Limits of Disturbance               |
| Lot Line                            | Lot Line                            |
| Municipal Boundary                  | Municipal Boundary                  |
| Overhead Lines                      | Overhead Lines                      |
| Plot Outline                        | Plot Outline                        |
| Right-Of-Way Line                   | Right-Of-Way Line                   |
| Septic Area                         | Septic Area                         |
| Set Back Line                       | Set Back Line                       |
| Sewer                               | Sewer                               |
| Soil Type                           | Storm Drain                         |
| Storm drain                         | Stream                              |
| Stream                              | Stream Buffer                       |
| Stream Intermittent Soil Survey     | Stream Buffer                       |
| Stream Buffer                       | Telephone                           |
| Telephone                           | Underground Cable                   |
| Underground Cable                   | Water Line                          |
| Water Line                          | Zoning Line                         |
| Zoning Line                         | Blt. Conc. Pav.                     |
| Blt. Conc. Pav.                     | Concrete                            |
| Concrete                            | Well Area                           |
| Well Area                           |                                     |



- GENERAL NOTES**
1. Subject Property Zoned: RR-DEO.
  2. Total area of property: 49379.41 sq.ft.
  3. Septic easement subject to Howard County Health Department review.
  4. Length of trench to be determined at time of septic permit issuance.
  5. Contractor/Builder to verify elevation in the field before beginning any construction.
  6. 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.
  7. No wetlands currently exist on the property.
  8. 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.
  9. The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
  10. Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
  11. All house sites shown comply with minimum building restriction regulations.
  12. The existing well shown on this plan identified with the attached well tag number "No Tag" has been field located by DRS & Associates professional land surveyor and is accurately shown.
  13. Any changes to a private sewage easement shall require a Revised Percolation Certification Plan.

**Saunders Property**

| Name  | North     | East       | Bearing      | Distance |
|-------|-----------|------------|--------------|----------|
| FCC01 | 593670.95 | 1331039.60 |              |          |
| FCC02 | 593733.27 | 1330832.29 | N 73°16'12"W | 216.48   |
| FCC03 | 593243.08 | 1330851.72 | S 2°16'12"E  | 490.57   |
| FCC04 | 593235.60 | 1330897.21 | S 80°39'48"E | 46.11    |
| FCC05 | 593553.70 | 1330949.51 | N 9°20'13"E  | 322.37   |
| FCC01 | 593670.95 | 1331039.60 | N 37°32'13"E | 147.86   |

Total Area 49379.41 sf 1.13360 acres +/-

**ABBREVIATIONS**

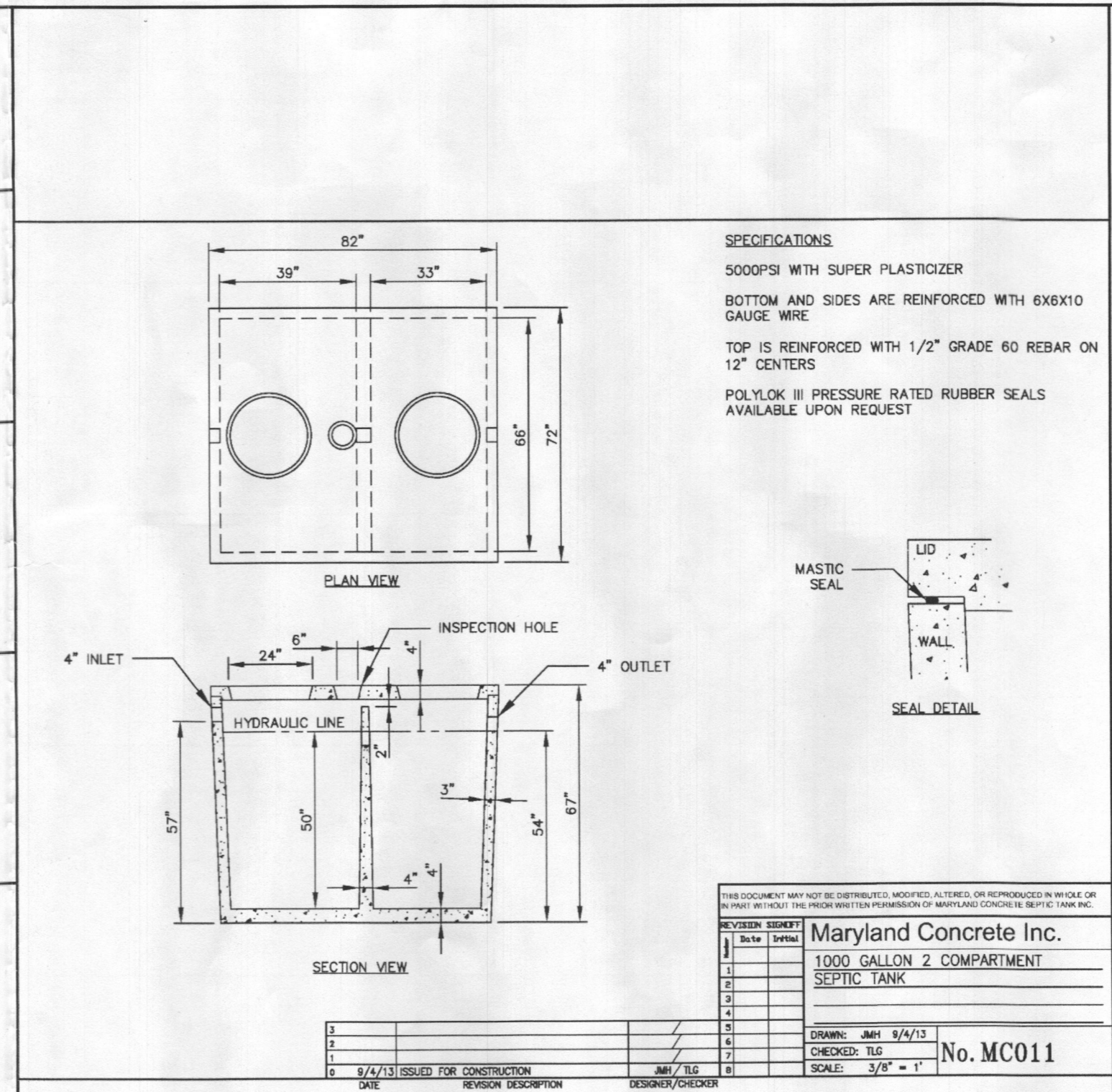
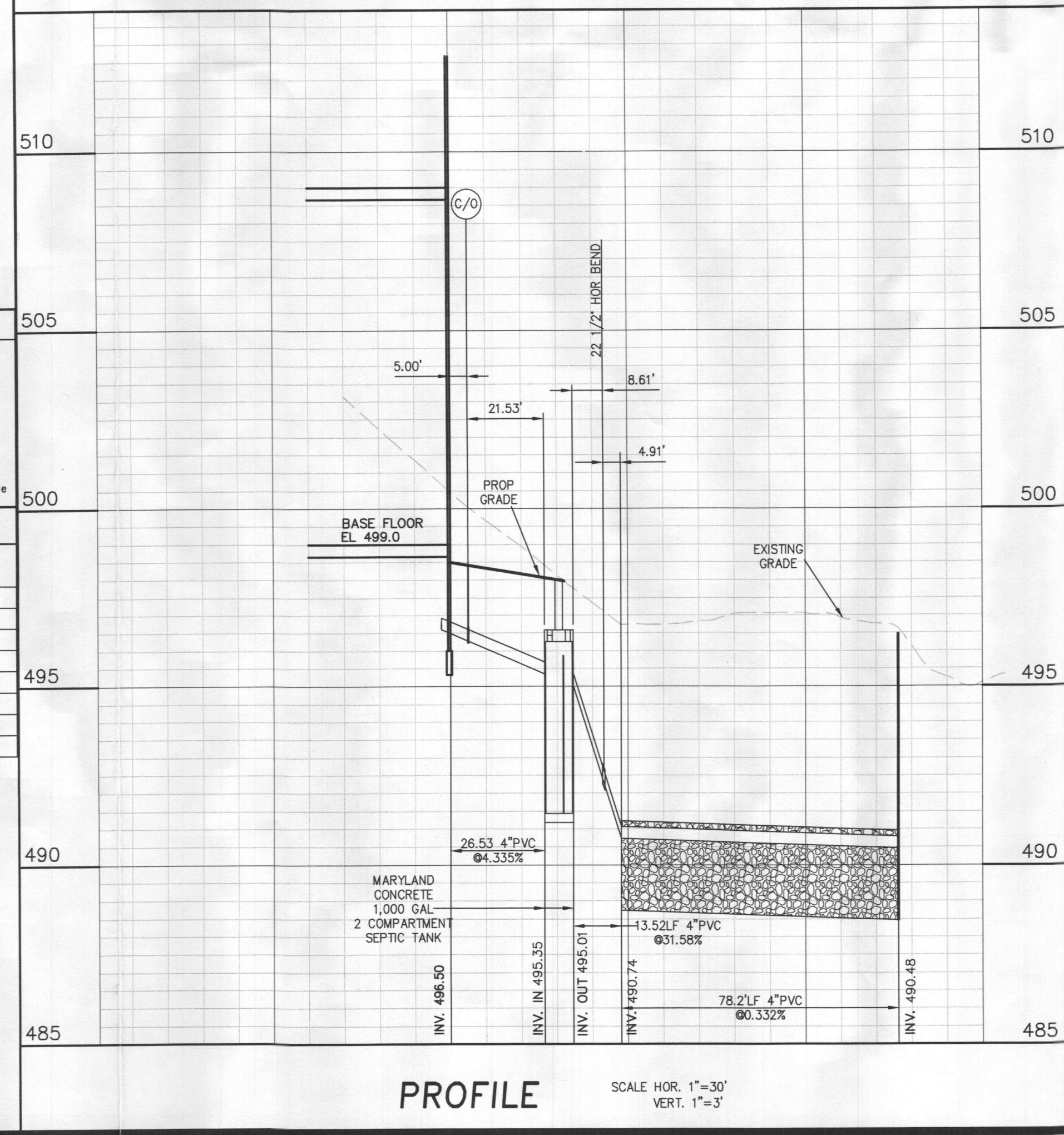
|        |  |               |   |
|--------|--|---------------|---|
| 100FB  | 100 year Flood Boundary  | HDPE          | High Density Polyethylene               |
| 100FWB | 100 year Floodway Boundary                                       | Hor           | Horizontal                              |
| 500FB  | 500 year Flood Boundary  | HP            | High Point                              |
| AASHTO | American Association of State Highway & Transportation Officials | Hse           | House                                   |
| ADT    | Average Daily Trip   | IDE           | Invert Ditch Elevation                  |
| ALCMP  | Aluminum Corrugated Metal Pipe                                   | IEE           | Ingress & Egress Easement               |
| App    | Approved   | Inv           | Invert                                  |
| B      | Basement floor elevation or Book                                 | IT            | Infiltration Trench                     |
| BCCMP  | Bituminous Coated Corrugated Metal Pipe                          | L             | Left or Lot                             |
| Beg    | Begin  | LF            | Linear Feet                             |
| Bk     | Break  | LoD           | Limits of Disturbance                   |
| BL     | Base Line  | LoP           | Limits of Paving                        |
| BLDG   | Building   | LP            | Low Point                               |
| BLP    | Begin Linear Profile   | LPG           | Linear Profile Grade                    |
| Bot    | Bottom   | LVC           | Length of Vertical Curve                |
| BotW   | Bottom of Wall   | M             | Minutes                                 |
| CL     | Center Line or Class   | MPH           | Miles Per Hour                          |
| CLR    | County Land Record   | NAD           | North America Datum                     |
| CMP    | Corrugated Metal Pipe  | NAVD          | North America Vertical Datum            |
| Co     | Clean out/County   | NDC           | Nose Down Curb                          |
| Co     | County   | NC            | Not In Contract                         |
| Co     | County   | Off           | Offset                                  |
| Co     | County   | P             | Page                                    |
| Co     | County   | PB            | Pit Book                                |
| Co     | County   | PG            | Proposed Grade                          |
| Co     | County   | PL            | Property Line                           |
| Co     | County   | PIBK          | Plan Book                               |
| Co     | County   | Pr            | Profile                                 |
| Co     | County   | PWA           | Public Works Agreement                  |
| Co     | County   | R             | Right or Radius                         |
| Co     | County   | SBL           | Set Back Line                           |
| Co     | County   | SC            | Sewer Connection                        |
| Co     | County   | SD            | Storm Drain                             |
| Co     | County   | SD            | Subgrade Drain                          |
| Co     | County   | SHA           | State Highway Administration (Maryland) |
| Co     | County   | Sh            | Sheet                                   |
| Co     | County   | SRCS          | State Roads Commission                  |
| Co     | County   | SS            | Sanitary Sewer                          |
| Co     | County   | STD           | Standard                                |
| Co     | County   | SWMF          | Stormwater Management Facility          |
| Co     | County   | To Be Removed | To Be Removed                           |
| Co     | County   | Typ           | Typical                                 |
| Co     | County   | WO            | Walkout                                 |

**SEPTIC TEST LEGEND**

|   |   |   |   |
|---|---|---|---|
| ⊙ | Proposed perc                             | ⊙ | Proposed Observation Hole               |
| ⊙ | Approved Deep Trench Perc                 | ⊙ | Failed Deep Trench Perc                 |
| ⊙ | Approved Grade Mound Perc                 | ⊙ | Failed Grade Mound Perc                 |
| ⊙ | Approved Sand Mound Perc                  | ⊙ | Failed Sand Mound Perc                  |
| ⊙ | Approved Standard Trench Perc             | ⊙ | Failed Standard Trench Perc             |
| ⊙ | Approved Deep Trench Observation Hole     | ⊙ | Failed Deep Trench Observation Hole     |
| ⊙ | Approved Grade Mound Observation Hole     | ⊙ | Failed Grade Mound Observation Hole     |
| ⊙ | Approved Sand Mound Observation Hole      | ⊙ | Failed Sand Mound Observation Hole      |
| ⊙ | Approved Standard Trench Observation Hole | ⊙ | Failed Standard Trench Observation Hole |

**SEPTIC TEST RESULTS**

| TEST ID | TEST TYPE | TEST COMMENTS                          | SAN | TEST DATE  |
|---------|-----------|--|-----|------------|
| 200     | ⊙         | 2m⊙4.0', <2m⊙4.0', excavated to 12.0'  | rf  | 2017-05-16 |
| 201     | ⊙         | 12m⊙4.4', excavated to 13.0'           | rf  | 2017-05-16 |
| 202     | ⊙         | >30m⊙6.0', 2m⊙7.0', excavated to 12.0' | rf  | 2017-05-16 |
| 203     | ⊙         | 4m⊙6.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 204     | ⊙         | >30m⊙7.5', excavated to 12.0'          | rf  | 2017-05-16 |
| 205     | ⊙         | 4m⊙7.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 206     | ⊙         | visual to 12.0'                        | rf  | 2017-05-16 |



"I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

DANIEL R. STALEY L.S. 10735 DATE

**APPROVED:** FOR PRIVATE WATER AND SEWER SYSTEMS

HEALTH OFFICER, HOWARD COUNTY HEALTH Dept. DATE

**SEPTIC TRENCH DETAIL** NOT TO SCALE

**SITE PLAN FOR SEPTIC INSTALLATION**  
**Saunders Property**

**OWNER**  
Matthew Noble Saunders  
12117 Frederick Rd  
Ellicott City MD 21042

MAP 16 BLOCK 13 PARCEL 04  
ZONED RR-DEO  
3RD ELECTION DISTRICT 12117 FREDERICK RD HOWARD COUNTY, MARYLAND

**D.R.S. & ASSOCIATES**  
**LAND DESIGN CONSULTANTS**  
52 WINTERS STREET WESTMINSTER, MARYLAND 21157  
410-848-4060 410-876-6040 F. 410-848-8818

| REV. NO. | DATE | BY | DESCRIPTION | DATE: 2017-12-01 |
|----------|------|----|-------------|------------------|
|          |      |    |             | SCALE: 1"=30'    |
|          |      |    |             | SHT. NO.: 1 OF 1 |
|          |      |    |             | DWG.: WS01-01    |

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| LEGEND                              |                                     |
|-------------------------------------|-------------------------------------|
| Existing                            | Proposed                            |
| Cable Line                          | Cable Line                          |
| Center Line Rd                      | Center Line Rd                      |
| Curb                                | Curb                                |
| Easement                            | Easement                            |
| Electric                            | Electric                            |
| Edge of Rd                          | Edge of Rd                          |
| Edge of Shoulder                    | Edge of Shoulder                    |
| Feature separation distance in feet | Feature separation distance in feet |
| Fence Line                          | Fence Line                          |
| FIRM 100 Yr. Flood Boundary         | Flood Boundary 500 Yr.              |
| Flood Boundary 500 Yr.              | Flood Boundary 100 Yr.              |
| Flood Boundary 100 Yr.              |                                     |
| Forest                              | Forest                              |
| Forest Cons. Esmt.                  | Forest Cons. Esmt.                  |
| Flow Line (Swale,Ditch,Waterway)    | Gas Line                            |
| Gas Line                            | Guardrail                           |
| Guardrail                           | Ind. Contours                       |
| Ind. Contours                       | Int. Contours                       |
| Int. Contours                       | Limits of Disturbance               |
| Limits of Disturbance               | Lot Line                            |
| Lot Line                            | Municipal Boundary                  |
| Municipal Boundary                  | Overhead Lines                      |
| Overhead Lines                      | Plot Outline                        |
| Plot Outline                        | Right-Of-Way Line                   |
| Right-Of-Way Line                   | Septic Area                         |
| Septic Area                         | Set Back Line                       |
| Set Back Line                       | Sewer                               |
| Sewer                               | Soil Type                           |
| Soil Type                           | Storm drain                         |
| Storm drain                         | Stream                              |
| Stream                              | Stream Intermitent Soil Survey      |
| Stream Intermitent Soil Survey      | Stream Buffer                       |
| Stream Buffer                       | Telephone                           |
| Telephone                           | Underground Cable                   |
| Underground Cable                   | Water Line                          |
| Water Line                          | Zoning Line                         |
| Zoning Line                         | Bit. Conc. Pav.                     |
| Bit. Conc. Pav.                     | Concrete                            |
| Concrete                            | Well Area                           |
| Well Area                           |                                     |

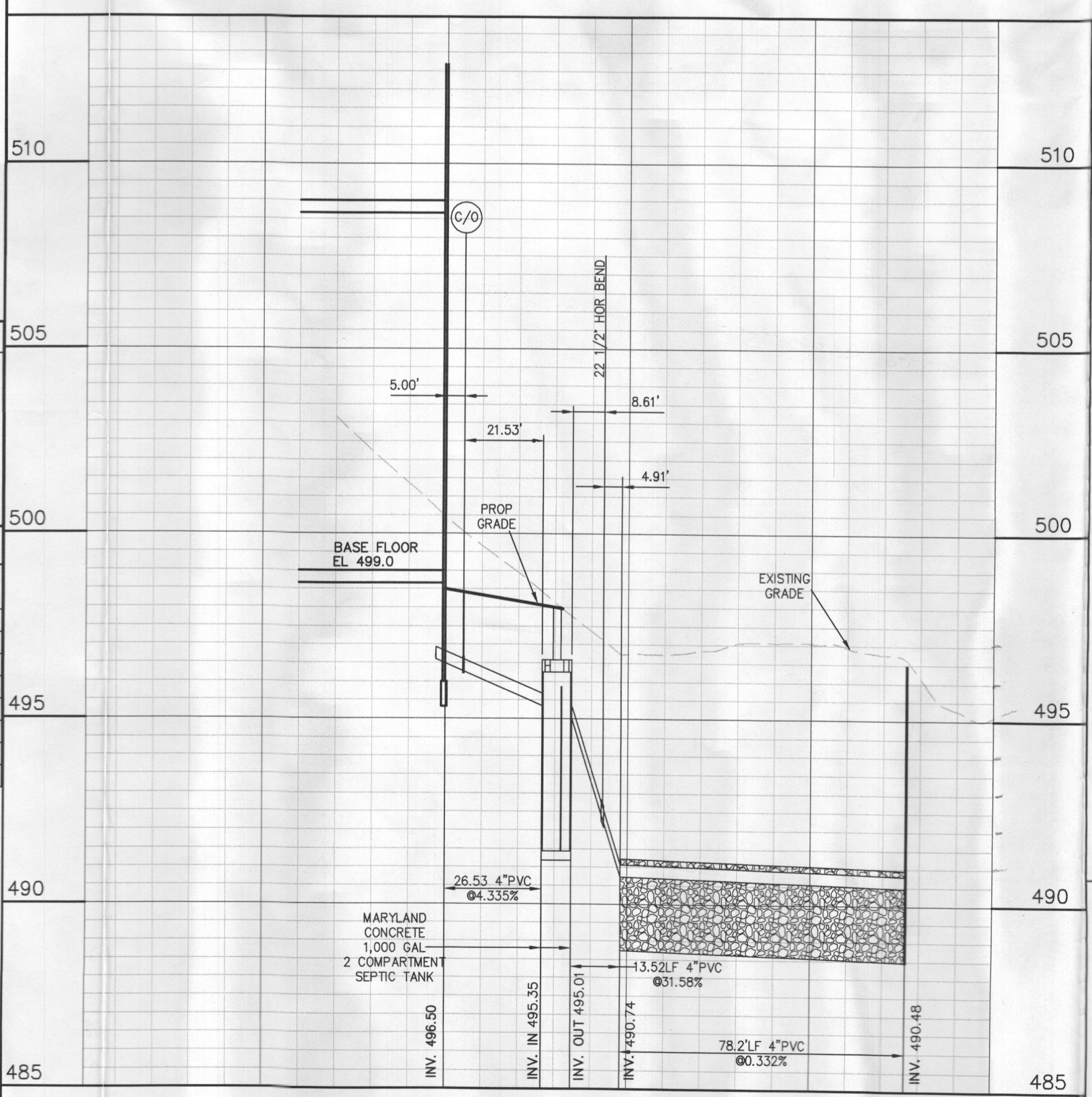
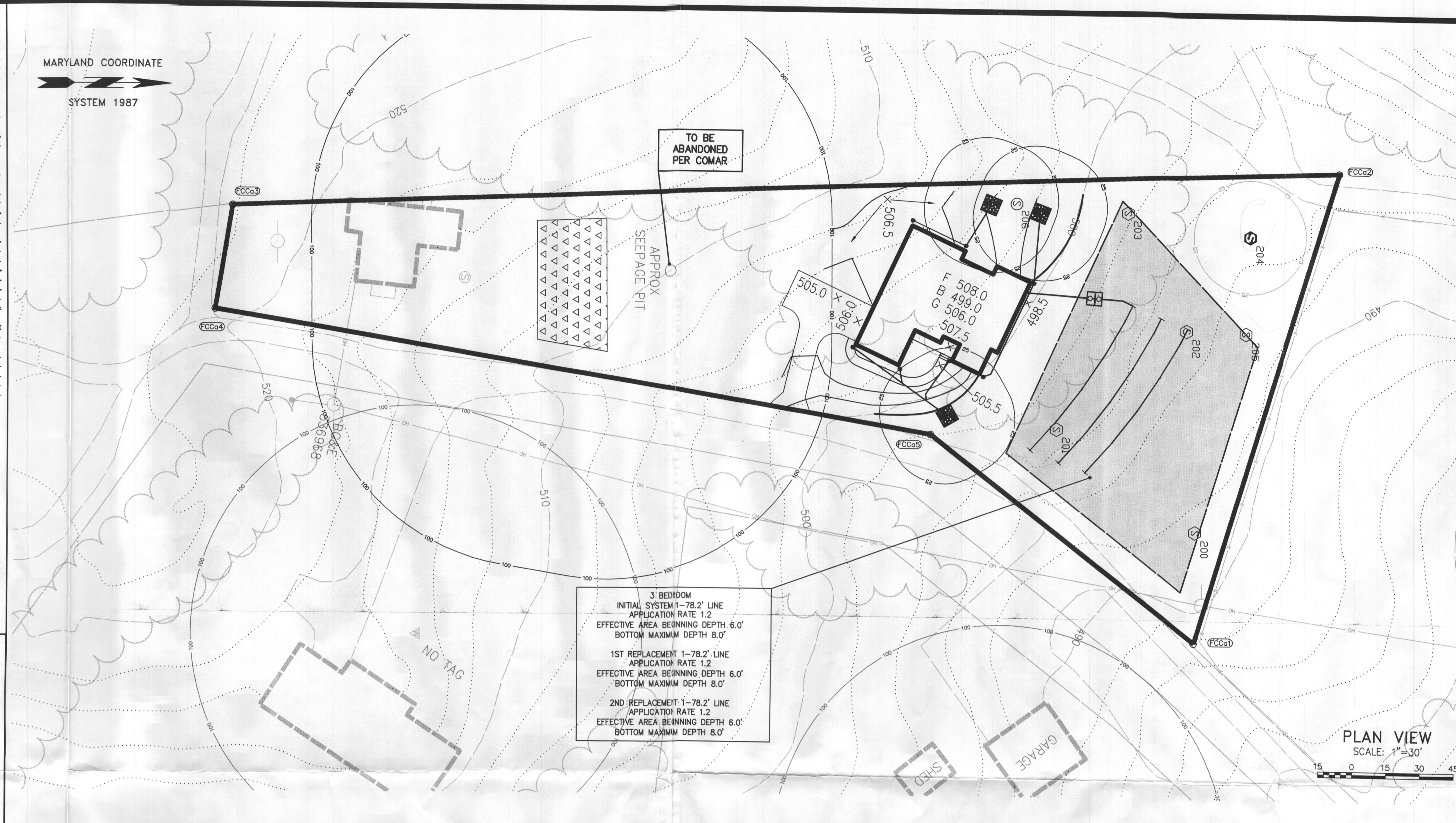
| ABBREVIATIONS |  |
|---------------|--|
| 100FEB        | 100 year Flood Boundary  |
| 100FMB        | 100 year Floodway Boundary                                       |
| 500FEB        | 500 year Flood Boundary  |
| AASHTO        | American Association of State Highway & Transportation Officials |
| ADT           | Average Daily Trip   |
| ALCMP         | Aluminum Corrugated Metal Pipe                                   |
| App           | Approved   |
| App           | Basement floor elevation or Book                                 |
| BCCMP         | Bituminous Coated Corrugated Metal Pipe                          |
| Bkg           | Begin  |
| Brk           | Break  |
| BLD           | Building   |
| BLP           | Begin Linear Profile   |
| Bot           | Bottom   |
| Bot           | Bottom of Wall   |
| CL            | Centerline of Road   |
| CL            | Centerline of Class  |
| CL            | County Land Record   |
| CMP           | Corrugated Metal Pipe  |
| Co            | Clean out/County   |
| Co            | County   |
| Dia           | Diameter   |
| Dn            | Depth normal   |
| DND           | Do Not Disturb   |
| DUE           | Drainage Utility Easement  |
| DWY           | Driveway   |
| EASE          | Easement   |
| EL            | Elevation  |
| EL            | Elevation Ex Road  |
| ELP           | End Linear Profile   |
| ESE           | Emergency Spillway Elevation                                     |
| Ex            | Existing   |
| ExGd          | Existing Ground  |
| FBM           | First floor elevation  |
| FCE           | Flood Boundary and Floodway Map                                  |
| FCE           | Forest Conservation Easement                                     |
| FEMA          | Federal Emergency Management Agency (Rec 2 Data)                 |
| FGR           | Finished Grade   |
| FIRM          | Flood Insurance Rate Map   |
| FW            | Face of Wall   |
| FPE           | Flood Plain Easement   |
| FWPE          | Forested Water Resource Protection Easement                      |
| G             | Garage floor elevation   |
| GR            | Guard Rail   |
| HDPE          | High Density PolyEthylene  |
| Hor           | Horizontal   |
| HP            | High Point   |
| Hse           | House  |
| IDE           | Invert Ditch Elevation   |
| IE            | Ingress & Egress Easement  |
| Inv           | Invert   |
| IT            | Infiltration Trench  |
| LF            | Left or Lot  |
| LF            | Linear Feet  |
| LoD           | Limits of Disturbance  |
| LoP           | Limits of Paving   |
| LP            | Low Point  |
| LPG           | Linear Profile Grade   |
| LVC           | Length of Vertical Curve   |
| Min           | Minutes  |
| MPH           | Miles Per Hour   |
| NAD           | North America Datum  |
| NAD           | North America Vertical Datum                                     |
| NDC           | Nose Down Curb   |
| NIC           | Not in Contract  |
| Op            | Offset   |
| P             | Page   |
| PB            | Plot Book  |
| PG            | Proposed Grade   |
| PL            | Property Line  |
| PLBk          | Plan Book  |
| Pr            | Profile  |
| PWA           | Public Works Agreement   |
| R             | Right or Radius  |
| S             | Sewer  |
| SBL           | Set Back Line  |
| SC            | Sewer Connection   |
| SD            | Storm Drain  |
| SD            | Subgrade Drain   |
| SHA           | State Highway Administration (Maryland)                          |
| Sh            | Sheet  |
| SRC           | State Roads Commission   |
| SS            | Sanitary Sewer   |
| STD           | Standard   |
| SWMF          | Stormwater Management Facility to be Removed                     |
| TOR           | Typical  |
| WO            | Walk-Out   |

| SEPTIC TEST LEGEND |   |
|--------------------|---|
| ○                  | Proposed perc                             |
| ⊙                  | Approved Deep Trench Perc                 |
| ⊕                  | Approved Grade Mound Perc                 |
| ⊗                  | Approved Sand Mound Perc                  |
| ⊘                  | Approved Standard Trench Perc             |
| ⊙                  | Approved Deep Trench Observation Hole     |
| ⊕                  | Approved Grade Mound Observation Hole     |
| ⊗                  | Approved Sand Mound Observation Hole      |
| ⊘                  | Approved Standard Trench Observation Hole |
| ○                  | Proposed Observation Hole                 |
| ⊙                  | Filled Deep Trench Perc                   |
| ⊕                  | Filled Grade Mound Perc                   |
| ⊗                  | Filled Sand Mound Perc                    |
| ⊘                  | Filled Standard Trench Perc               |
| ⊙                  | Filled Deep Trench Observation Hole       |
| ⊕                  | Filled Grade Mound Observation Hole       |
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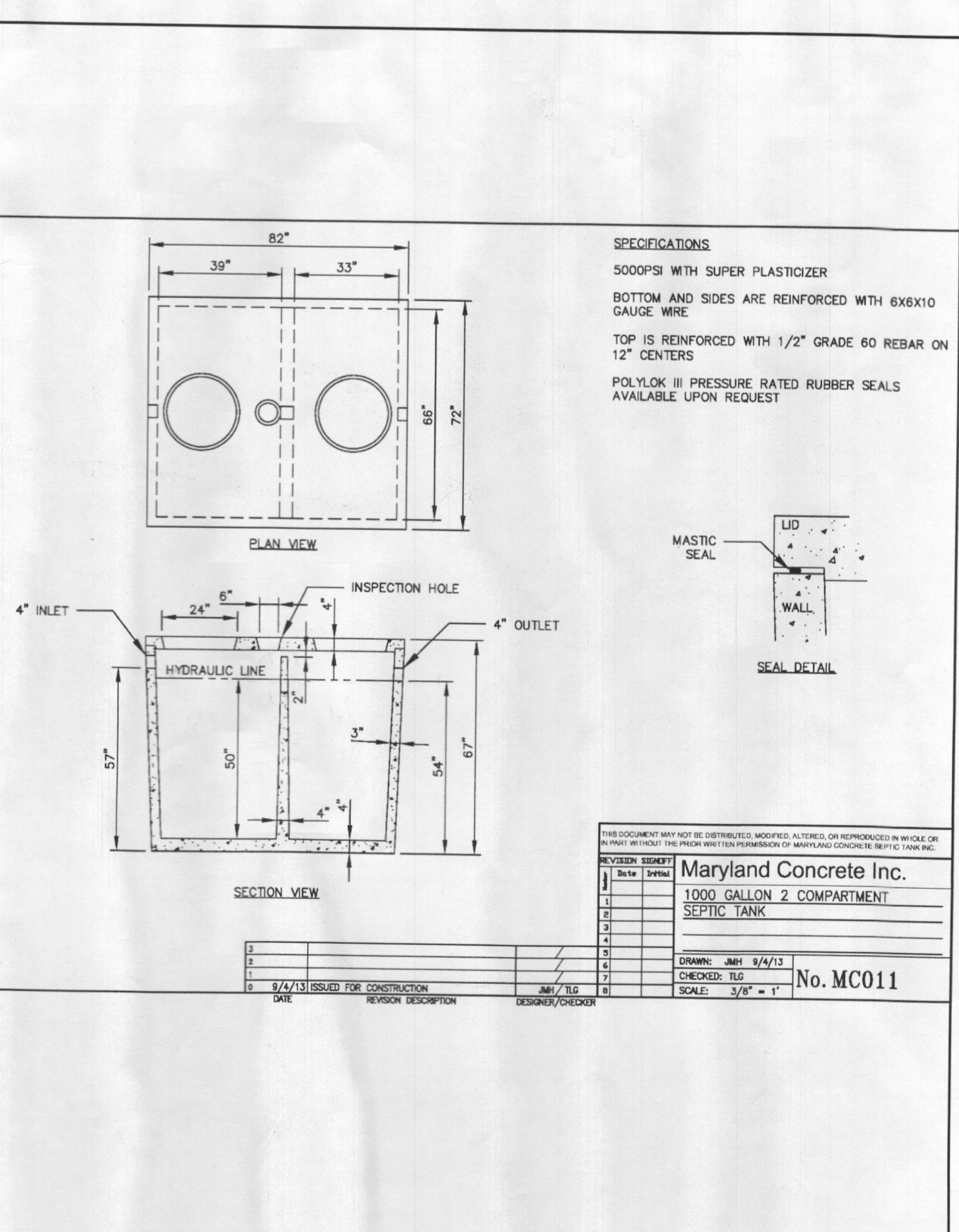
| SEPTIC TEST RESULTS |           |  |     |            |
|---------------------|-----------|--|-----|------------|
| TEST ID             | TEST TYPE | TEST COMMENTS                          | SAN | TEST DATE  |
| 200                 | ⊙         | 2m@4.0', <2m@4.0', excavated to 12.0'  | rf  | 2017-05-16 |
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| 206                 | ⊙         | visual to 12.0'                        | rf  | 2017-05-16 |

"I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

DANIEL R. STALEY L.S. 10735 DATE



PROFILE SCALE HOR. 1"=30' VERT. 1"=3'



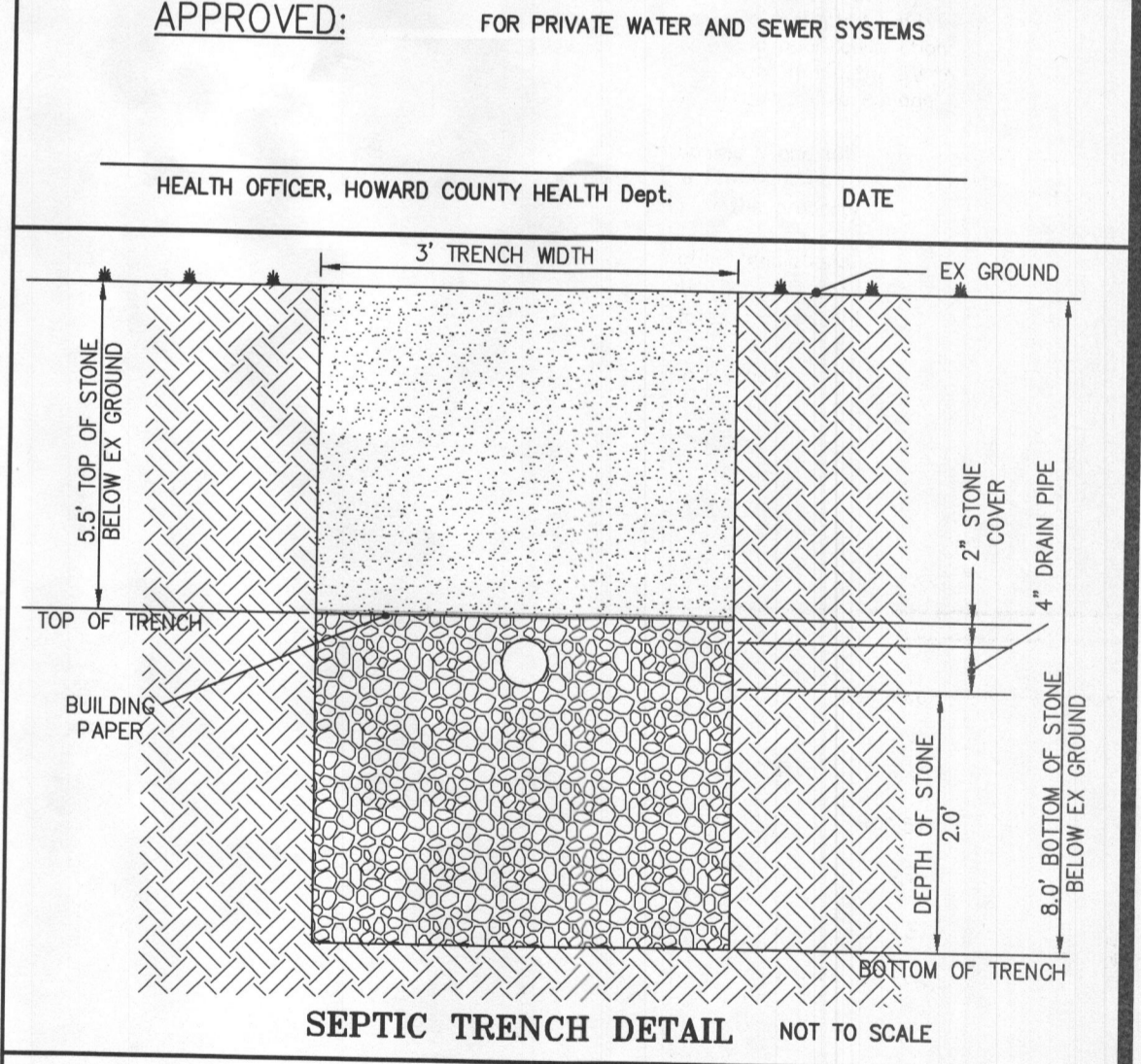
SEPTIC TRENCH DETAIL NOT TO SCALE



VICINITY MAP SCALE: 1"=2000'

- GENERAL NOTES**
- Subject Property Zoned: RR-DEO.
  - Total area of property: 49379.41 sq.ft.
  - Septic easement subject to Howard County Health Department review.
  - Length of trench to be determined at time of septic permit issuance.
  - 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.
  - No wetlands currently exist on the property.
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  - All house sites shown comply with minimum building restriction regulations.
  - The existing well shown on this plan identified with the attached well tag number "No Tag" has been field located by DRS & Associates professional land surveyor and is accurately shown.
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| Saunders Property |           |            |              |                   |
|-------------------|-----------|------------|--------------|-------------------|
| Name              | North     | East       | Bearing      | Distance          |
| FCC01             | 593670.95 | 1331039.60 | N 73°16'12"W | 216.48            |
| FCC02             | 593733.27 | 1330832.29 | S 2°16'12"E  | 490.57            |
| FCC03             | 593243.08 | 1330851.72 | S 80°39'48"E | 46.11             |
| FCC04             | 593235.60 | 1330897.21 | N 9°20'13"E  | 322.37            |
| FCC05             | 593553.70 | 1330949.51 | N 37°32'13"E | 147.86            |
| FCC01             | 593670.95 | 1331039.60 |              |                   |
| Total Area        |           |            |              | 49379.41 sf       |
|                   |           |            |              | 1.13360 acres +/- |



**SITE PLAN FOR SEPTIC INSTALLATION**  
Saunders Property

OWNER  
Matthew Noble Saunders  
12117 Frederick Rd  
Ellicott City MD 21042

MAP 16 BLOCK 13 PARCEL 04  
ZONED RR-DEO  
3RD ELECTION DISTRICT 12117 FREDERICK RD HOWARD COUNTY, MARYLAND

**D.R.S. & ASSOCIATES**  
LAND DESIGN CONSULTANTS  
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410-848-4060 410-878-6040 F. 410-848-8818

| REV.No. | DATE | BY | DESCRIPTION |
|---------|------|----|-------------|
|         |      |    |             |

DATE: 2017-12-01  
SCALE: 1"=30'  
SHT.No.: 1 OF 1  
DWG.: WS01-01

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| LEGEND                              |                                     |
|-------------------------------------|-------------------------------------|
| Existing                            | Proposed                            |
| Cable Line                          | Cable Line                          |
| Center Line Rd                      | Center Line Rd                      |
| Curb                                | Curb                                |
| Easement                            | Easement                            |
| Electric                            | Electric                            |
| Edge of Rd                          | Edge of Rd                          |
| Edge of Shoulder                    | Edge of Shoulder                    |
| Feature separation distance in feet | Feature separation distance in feet |
| Fence Line                          | Fence Line                          |
| FM 100 Yr. Flood Boundary           | Flood Boundary 500 Yr.              |
| Flood Boundary 500 Yr.              | Flood Boundary 100 Yr.              |
| Flood Boundary 100 Yr.              | Forest                              |
| Forest                              | Forest Cons. Esmt.                  |
| Flow Line (Swale,Ditch,Waterway)    | Flow Line (Swale,Ditch,Waterway)    |
| Gas Line                            | Gas Line                            |
| Guardrail                           | Guardrail                           |
| Ind. Contours                       | Ind. Contours                       |
| Int. Contours                       | Int. Contours                       |
| Limits of Disturbance               | Limits of Disturbance               |
| Lot Line                            | Municipal Boundary                  |
| Municipal Boundary                  | Overhead Lines                      |
| Overhead Lines                      | Piet Outline                        |
| Piet Outline                        | Right-Of-Way Line                   |
| Right-Of-Way Line                   | Septic Area                         |
| Septic Area                         | Set Back Line                       |
| Set Back Line                       | Sewer                               |
| Sewer                               | Soil Type                           |
| Soil Type                           | Storm drain                         |
| Storm drain                         | Stream                              |
| Stream                              | Stream Intermittent Soil Survey     |
| Stream Intermittent Soil Survey     | Stream Buffer                       |
| Stream Buffer                       | Telephone                           |
| Telephone                           | Underground Cable                   |
| Underground Cable                   | Water Line                          |
| Water Line                          | Zoning Line                         |
| Zoning Line                         | Bit. Conc. Pav.                     |
| Bit. Conc. Pav.                     | Concrete                            |
| Concrete                            |                                     |

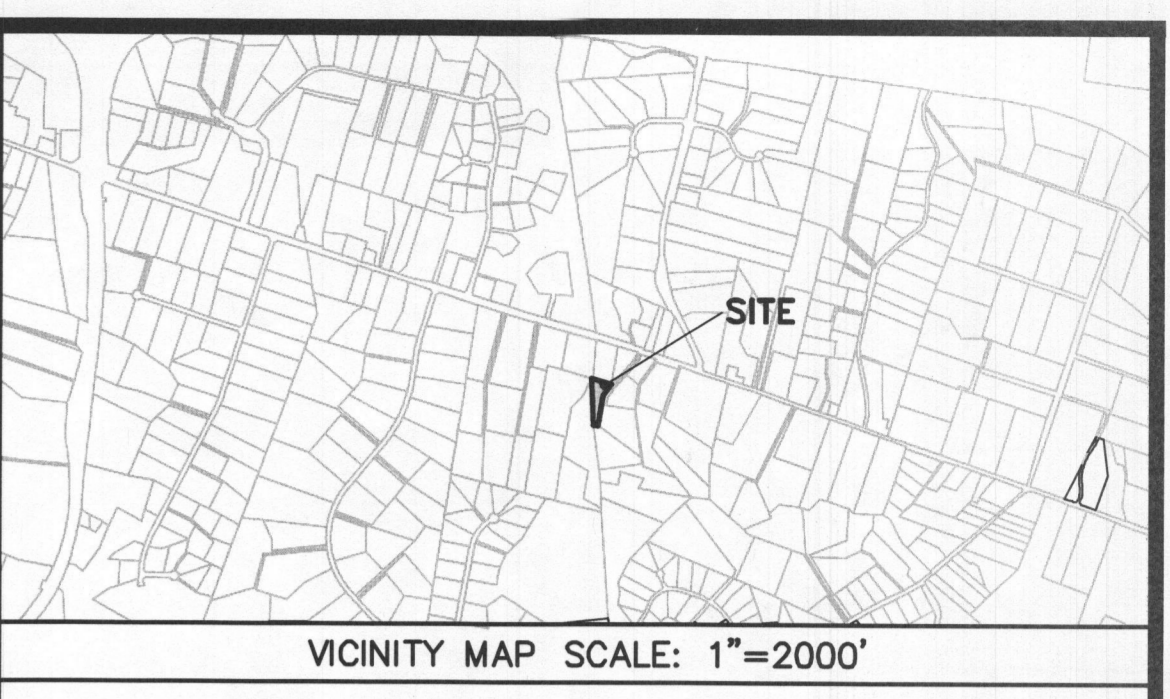
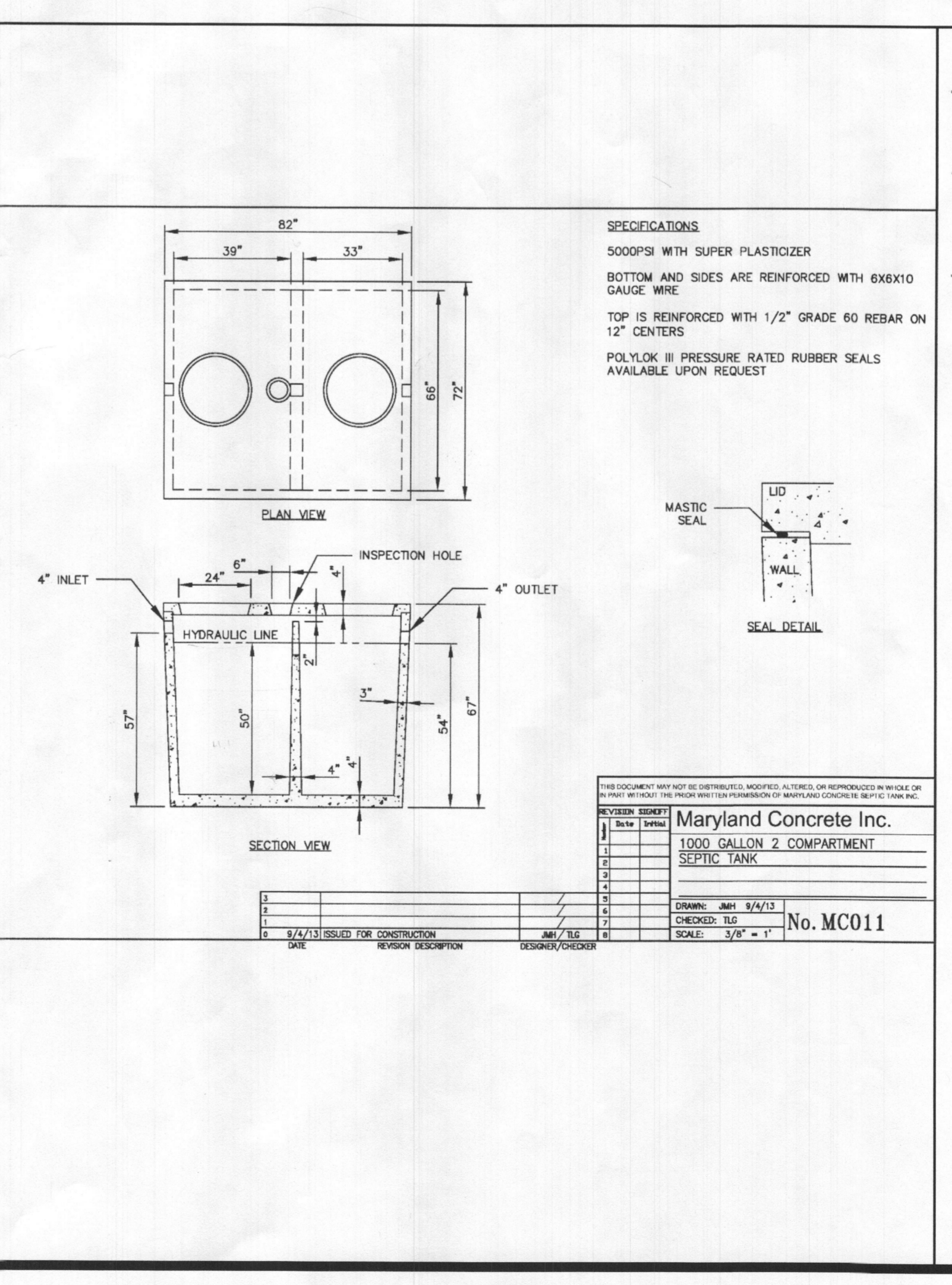
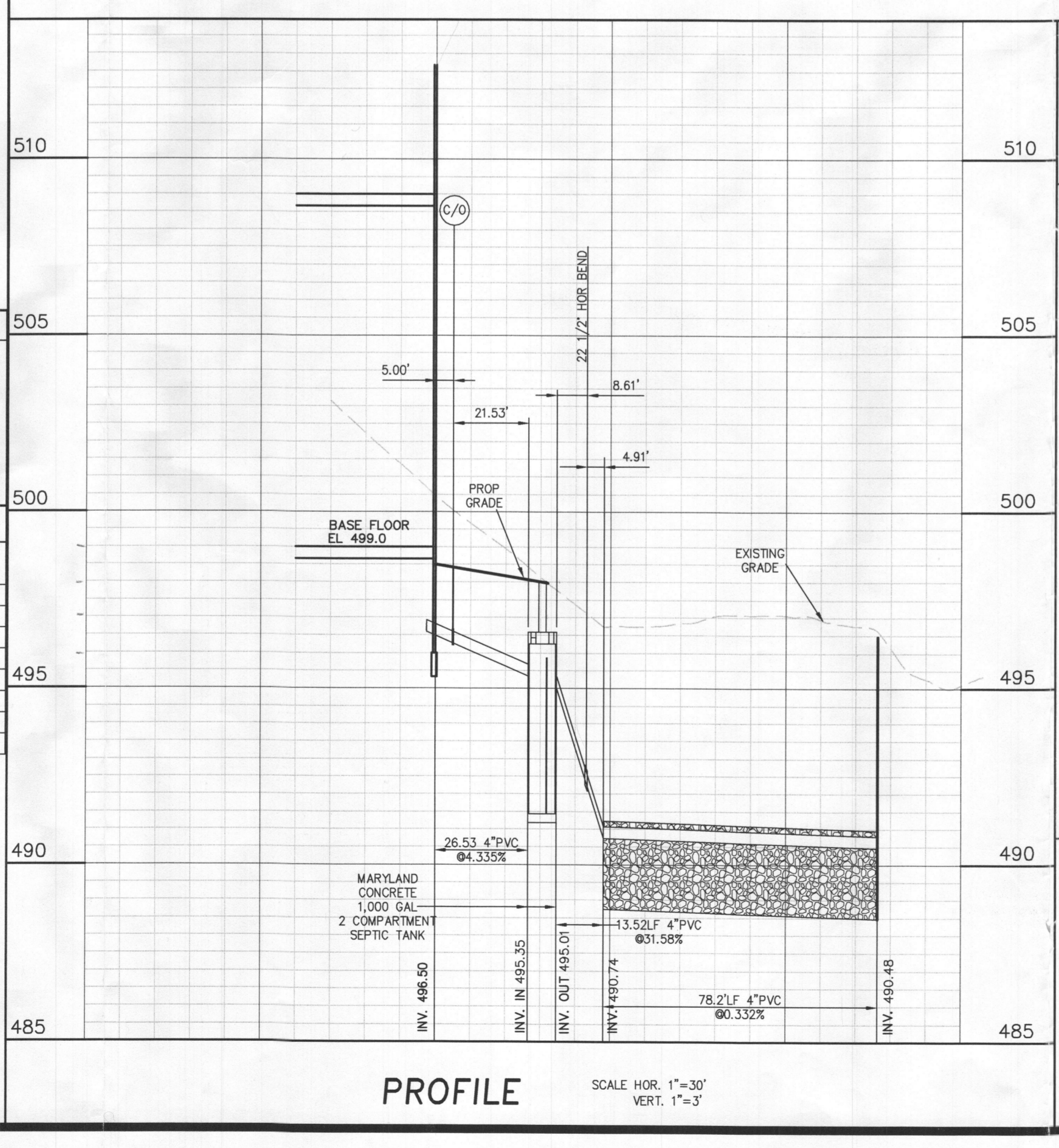
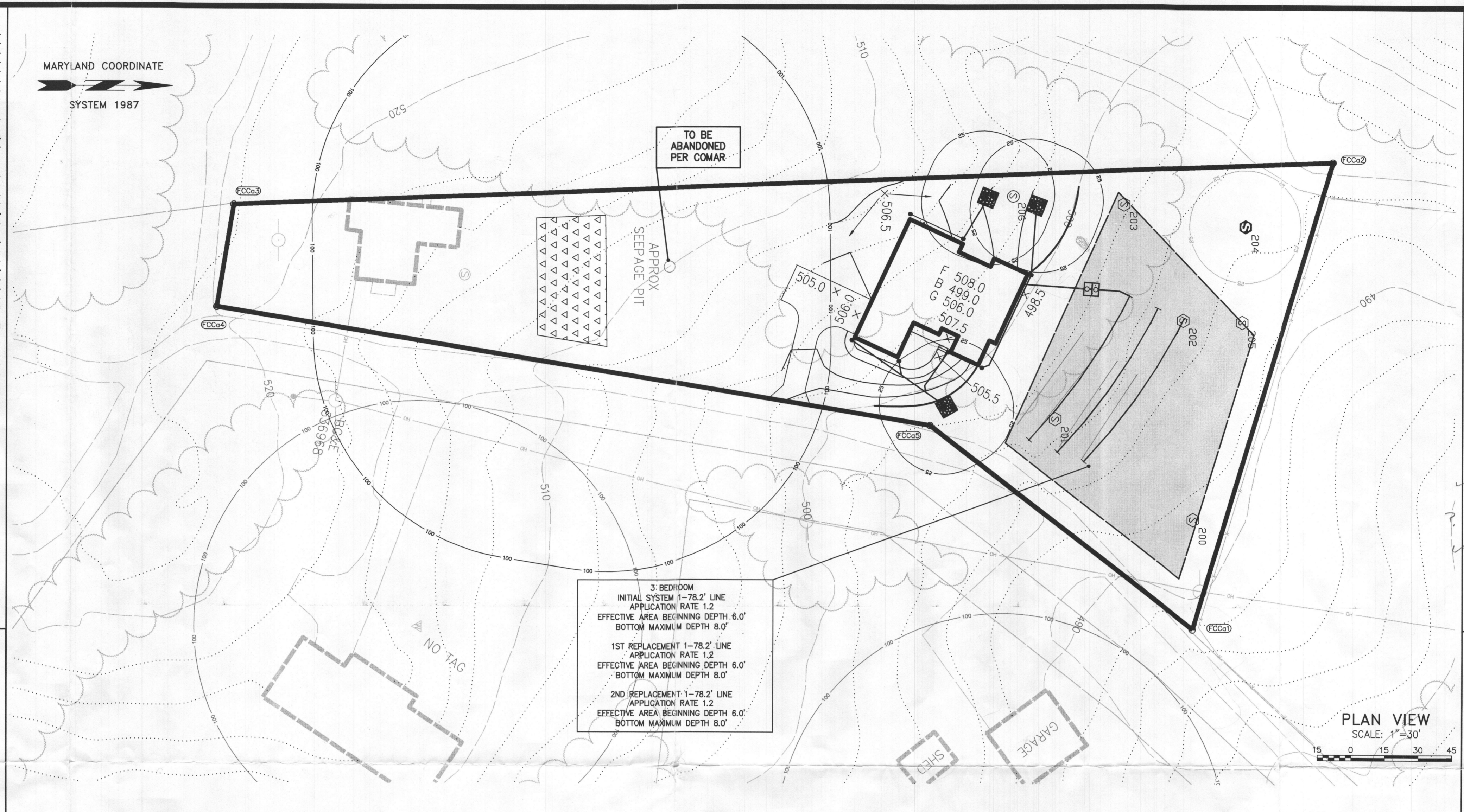
| ABBREVIATIONS |  |
|---------------|--|
| 100FB         | 100 year Flood Boundary  |
| 100FMB        | 100 year Floodway Boundary                                       |
| 500FB         | 500 year Flood Boundary  |
| AASHTO        | American Association of State Highway & Transportation Officials |
| ADT           | Average Daily Trip   |
| ALCMP         | Aluminum Corrugated Metal Pipe                                   |
| App           | Approved   |
| App           | Approved floor elevation or Book                                 |
| BCCMP         | Bituminous Coated Corrugated Metal Pipe                          |
| Beg           | Begin  |
| Brk           | Break  |
| BL            | Base Line  |
| BLDg          | Building   |
| BLP           | Begin Linear Profile   |
| Bot           | Bottom   |
| BotW          | Bottom of Wall   |
| CL            | Centerline or Class  |
| CLR           | County Land Record   |
| CMP           | Corrugated Metal Pipe  |
| Co            | Clean out/County   |
| Dia           | Diameter   |
| Dn            | Depth normal   |
| DND           | Do Not Disturb   |
| DUE           | Drainage Utility Easement  |
| Dwy           | Driveway   |
| EASE          | Easement   |
| EL            | Elevation  |
| EER           | Elevation Ex Road  |
| ELP           | End Linear Profile   |
| ESE           | Emergency Spillway Elevation                                     |
| EX            | Existing   |
| EXGd          | Existing Ground  |
| F1EM          | First floor elevation  |
| FCE           | Flood Boundary and Floodway Map                                  |
| FEMA          | Federal Emergency Management Agency (Hec 2 Data)                 |
| FG            | Finished Grade   |
| FIRM          | Flood Insurance Rate Map   |
| FW            | Face of Wall Easement  |
| FPE           | Flood Plain Easement   |
| FWRPE         | Forested Water Resource Protection Easement                      |
| G             | Garage floor elevation   |
| GR            | Guard Rail   |
| HDPE          | High Density PolyEthylene  |
| Hor           | Horizontal   |
| HP            | High Point   |
| Hse           | House  |
| IDE           | Invert Ditch Elevation   |
| IE            | Ingress & Egress Easement  |
| Invt          | Invert   |
| IT            | Infiltration Trench  |
| Lo            | Left or Lot  |
| LF            | Linear Feet  |
| LoD           | Limits of Disturbance  |
| LoP           | Low Point  |
| LP            | Linear Profile   |
| LVC           | Length of Vertical Curve   |
| M             | Minutes  |
| MPH           | Miles Per Hour   |
| NAD           | North America Datum  |
| NAVD          | North America Vertical Datum                                     |
| NDC           | Nose Down Cub  |
| NIC           | Not in Contract  |
| Os            | Offset   |
| P             | Page   |
| PB            | Plot Book  |
| PL            | Proposed Grade   |
| PL            | Property Line  |
| PIBk          | Plan Book  |
| Pr            | Profile  |
| PWA           | Public Works Agreement   |
| R             | Right or Radius  |
| S             | Set Back Line  |
| SBL           | Sewer Connection   |
| SC            | Storm Drain  |
| SgD           | Subgrade Drain   |
| SHA           | State Highway Administration (Maryland)                          |
| Sh            | Sheet  |
| SRC           | State Roads Commission   |
| SS            | Sanitary Sewer   |
| STD           | Standard   |
| SWMF          | Stormwater Management Facility                                   |
| tbr           | to be Removed  |
| Tp            | Typical  |
| WO            | Walkout  |

| SEPTIC TEST LEGEND |   |
|--------------------|---|
| ⊙                  | Proposed perc                             |
| ⊙                  | Approved Deep Trench Perc                 |
| ⊙                  | Approved Grade Mound Perc                 |
| ⊙                  | Approved Sand Mound Perc                  |
| ⊙                  | Approved Standard Trench Perc             |
| ⊙                  | Approved Deep Trench Observation Hole     |
| ⊙                  | Approved Grade Mound Observation Hole     |
| ⊙                  | Approved Sand Mound Observation Hole      |
| ⊙                  | Approved Standard Trench Observation Hole |
| ⊙                  | Failed Deep Trench Perc                   |
| ⊙                  | Failed Grade Mound Perc                   |
| ⊙                  | Failed Sand Mound Perc                    |
| ⊙                  | Failed Standard Trench Perc               |
| ⊙                  | Failed Deep Trench Observation Hole       |
| ⊙                  | Failed Grade Mound Observation Hole       |
| ⊙                  | Failed Sand Mound Observation Hole        |
| ⊙                  | Failed Standard Trench Observation Hole   |

| SEPTIC TEST RESULTS |           |  |     |            |
|---------------------|-----------|--|-----|------------|
| TEST ID             | TEST TYPE | TEST COMMENTS                          | SAN | TEST DATE  |
| 200                 | ⊙         | 2m@4.0', <2m@4.0', excavated to 12.0'  | rf  | 2017-05-16 |
| 201                 | ⊙         | 12m@4.4', excavated to 13.0'           | rf  | 2017-05-16 |
| 202                 | ⊙         | >30m@6.0', 2m@7.0', excavated to 12.0' | rf  | 2017-05-16 |
| 203                 | ⊙         | 4m@6.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 204                 | ⊙         | >30m@7.5', excavated to 12.0'          | rf  | 2017-05-16 |
| 205                 | ⊙         | 4m@7.0', excavated to 13.0'            | rf  | 2017-05-16 |
| 206                 | ⊙         | visual to 12.0'                        | rf  | 2017-05-16 |

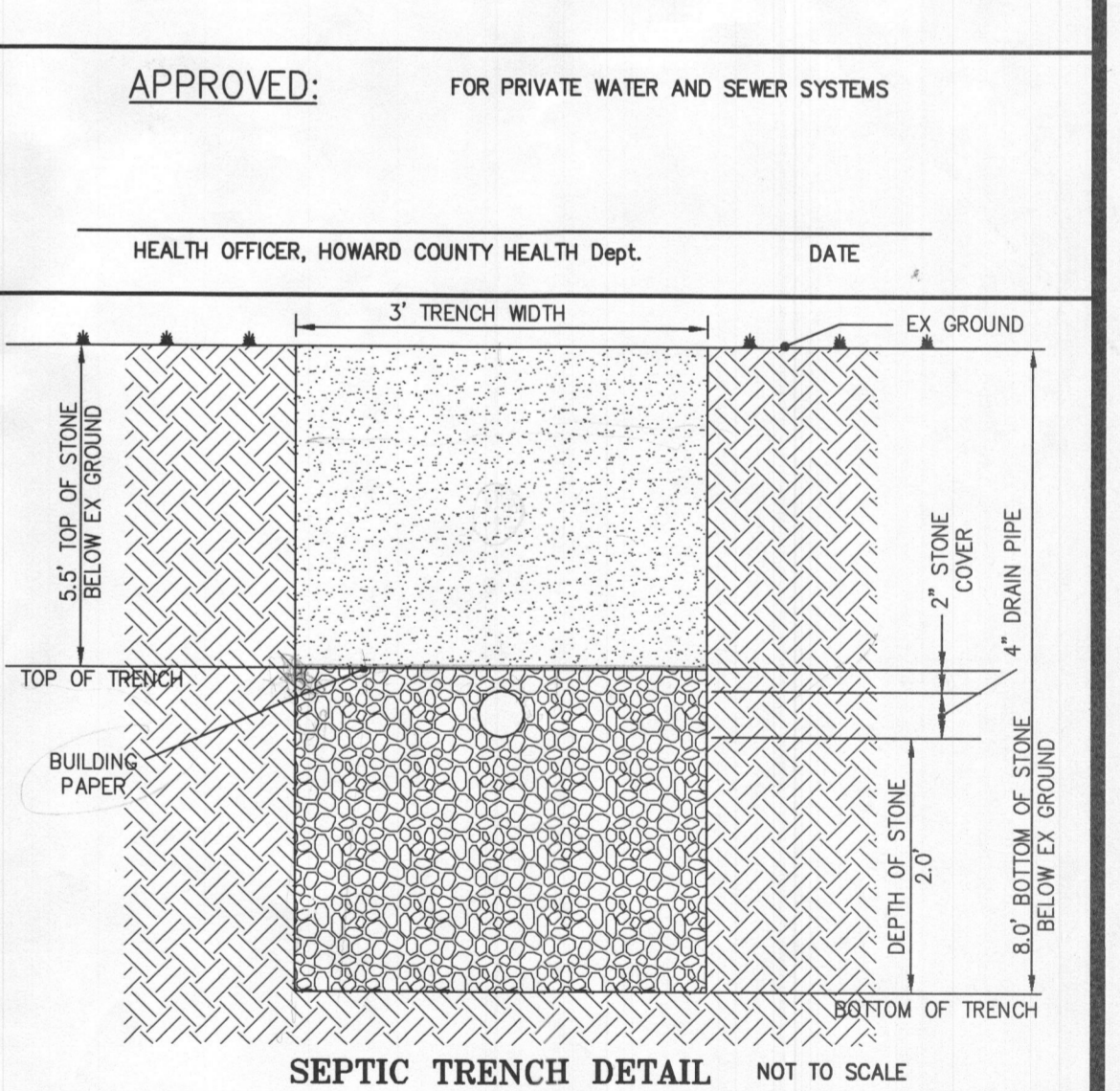
"I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

DANIEL R. STALEY L.S. 10735 DATE



- GENERAL NOTES**
- Subject Property Zoned: RR-DEO.
  - Total area of property: 49379.41 sq.ft.
  - Septic easement subject to Howard County Health Department review.
  - Length of trench to be determined at time of septic permit issuance.
  - 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.
  - No 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.
  - The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
  - Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
  - All house sites shown comply with minimum building restriction regulations.
  - The existing well shown on this plan identified with the attached well tag number "No Top" has been field located by DRS & Associates professional land surveyor and is accurately shown.
  - \*Any changes to a private sewage easement shall require a Revised Percolation Certification Plan.

| Saunders Property |           |            |                |          |  |
|-------------------|-----------|------------|----------------|----------|--|
| Name              | North     | East       | Bearing        | Distance |  |
| FCC01             | 593670.95 | 1331039.60 | N 73°16'12\"/> |          |  |



**SITE PLAN FOR SEPTIC INSTALLATION**  
Saunders Property

OWNER: Matthew Noble Saunders  
12117 Frederick Rd  
Ellicott City MD 21042

MAP 16 BLOCK 13 PARCEL 04  
ZONED RR-DEO  
3RD ELECTION DISTRICT 12117 FREDERICK RD HOWARD COUNTY, MARYLAND

**D.R.S. & ASSOCIATES**  
LAND DESIGN CONSULTANTS  
52 WINTERS STREET WESTMINSTER, MARYLAND 21157  
410-848-4060 410-876-6040 F. 410-848-8818

| REV. NO. | DATE | BY | DESCRIPTION | DATE: 2017-12-01 |
|----------|------|----|-------------|------------------|
|          |      |    |             | SCALE: 1\"/>     |

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### LEGEND

| Existing                            | Proposed                            |
|-------------------------------------|-------------------------------------|
| Edge of Rd                          | Edge of Rd                          |
| Feature separation distance in feet | Feature separation distance in feet |
| Forest                              | Forest                              |
| Int. Contours                       | Int. Contours                       |
| Lot Lines                           | Lot Lines                           |
| Overhead Lines                      | Overhead Lines                      |
| Plot Outline                        | Plot Outline                        |
| Septic Area                         | Septic Area                         |
| Bit. Conc. Pav.                     | Bit. Conc. Pav.                     |
| Wall Area                           | Wall Area                           |
| Existing Proposed                   | Existing Proposed                   |
| Structure                           | Structure                           |
| Utility Pole                        | Utility Pole                        |
| Well                                | Well                                |
| Well w/Day Wre                      | Well w/Day Wre                      |

### ABBREVIATIONS

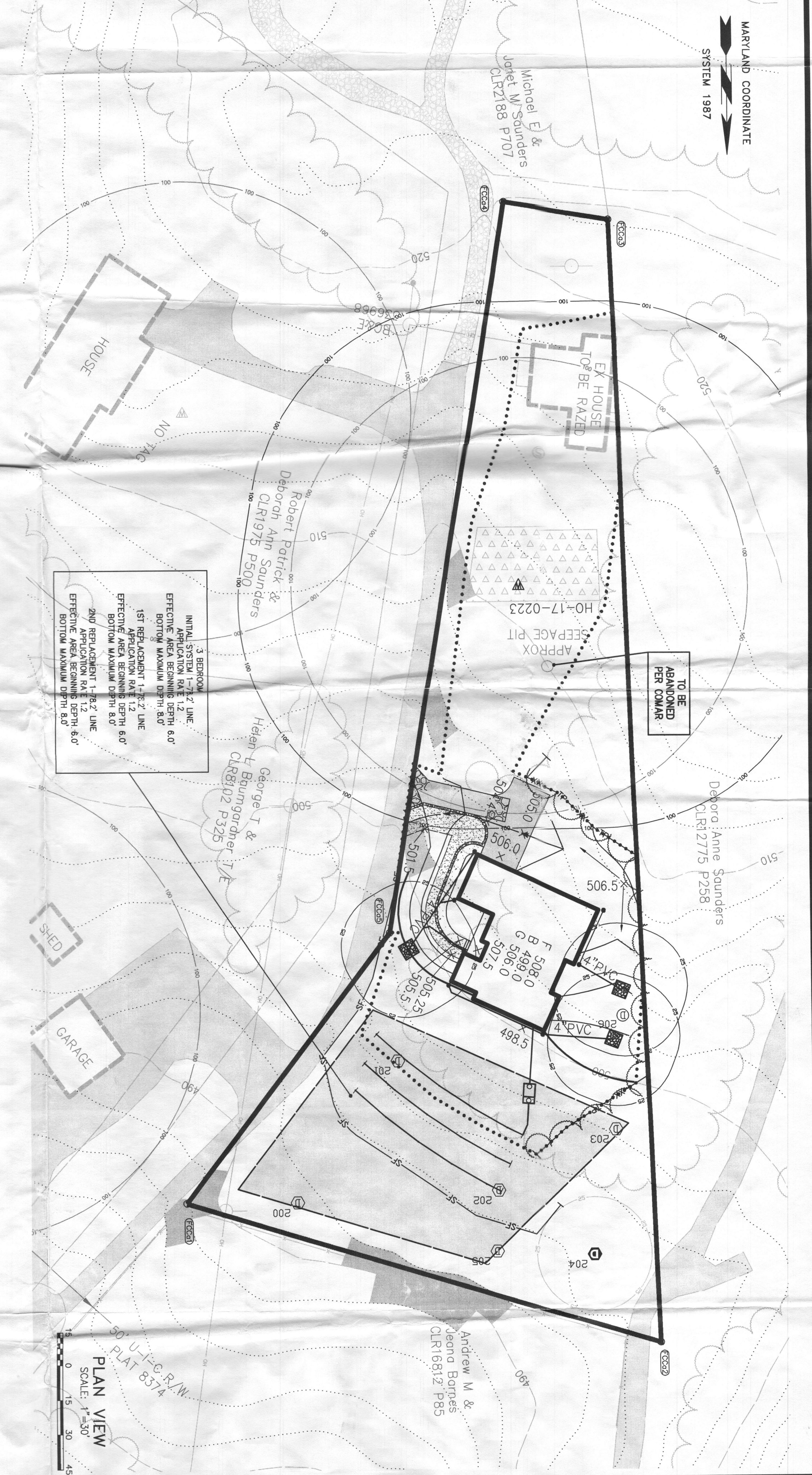
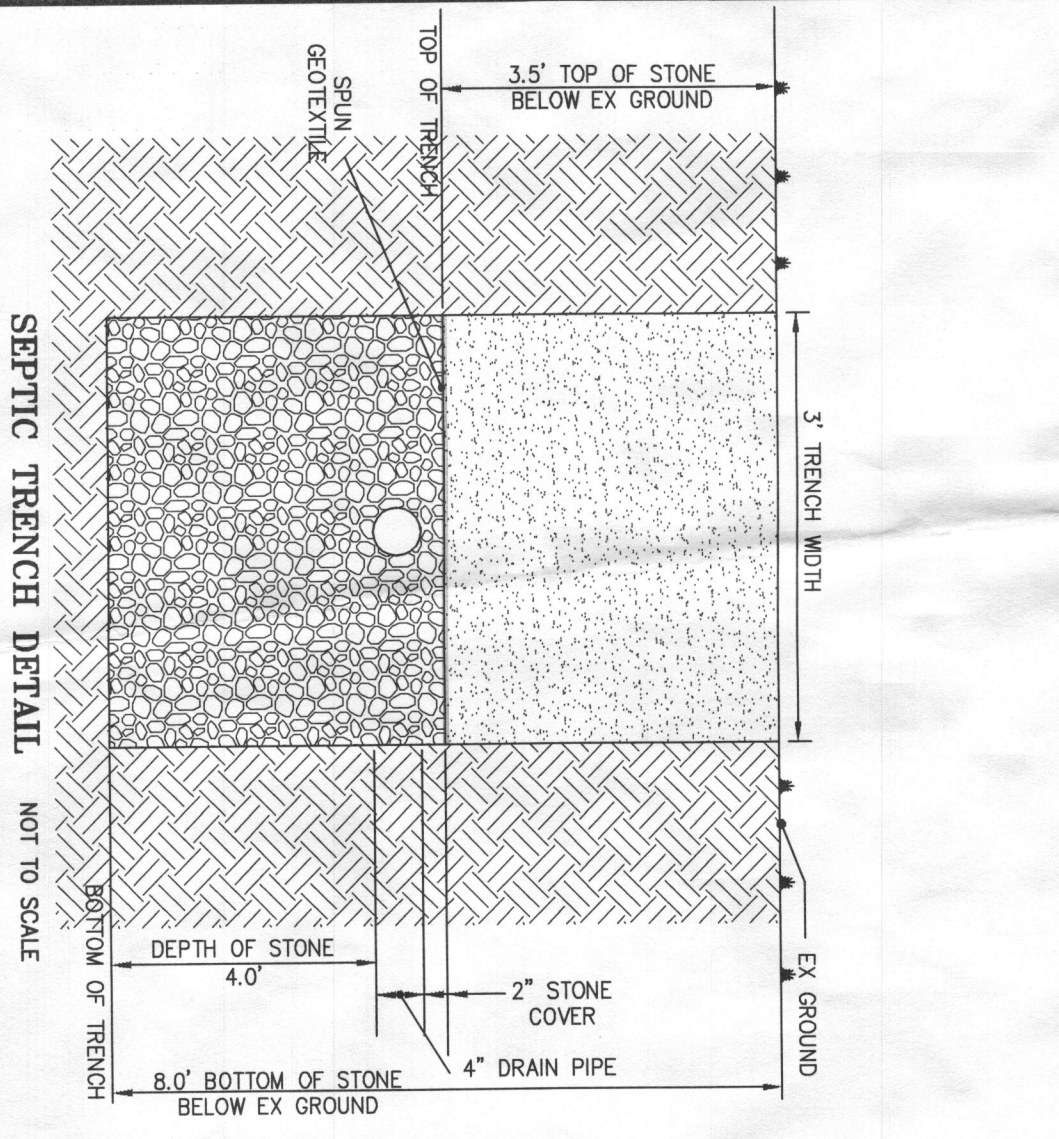
| Pa  | Prop                             | Book |
|-----|----------------------------------|------|
| B   | Basement floor elevation or Book |      |
| CLR | County Land Record               |      |
| F   | First floor elevation            |      |
| G   | George floor elevation           |      |

### SEPTIC TEST RESULTS

| TEST ID | TEST TYPE | TEST COMMENTS                | SN | DATE       |
|---------|-----------|------------------------------|----|------------|
| 200     | ①         | 2nd @ 0' excavated to 12.0'  | 17 | 2017-05-16 |
| 201     | ①         | 12th @ 4' excavated to 13.0' | 17 | 2017-05-16 |
| 202     | ①         | 35th @ 6' excavated to 12.0' | 17 | 2017-05-16 |
| 203     | ①         | 4th @ 8' excavated to 13.0'  | 17 | 2017-05-16 |
| 204     | ①         | 35th @ 5' excavated to 12.0' | 17 | 2017-05-16 |
| 205     | ①         | 4th @ 0' excavated to 13.0'  | 17 | 2017-05-16 |
| 206     | ①         | Visual to 12.0'              | 17 | 2017-05-16 |

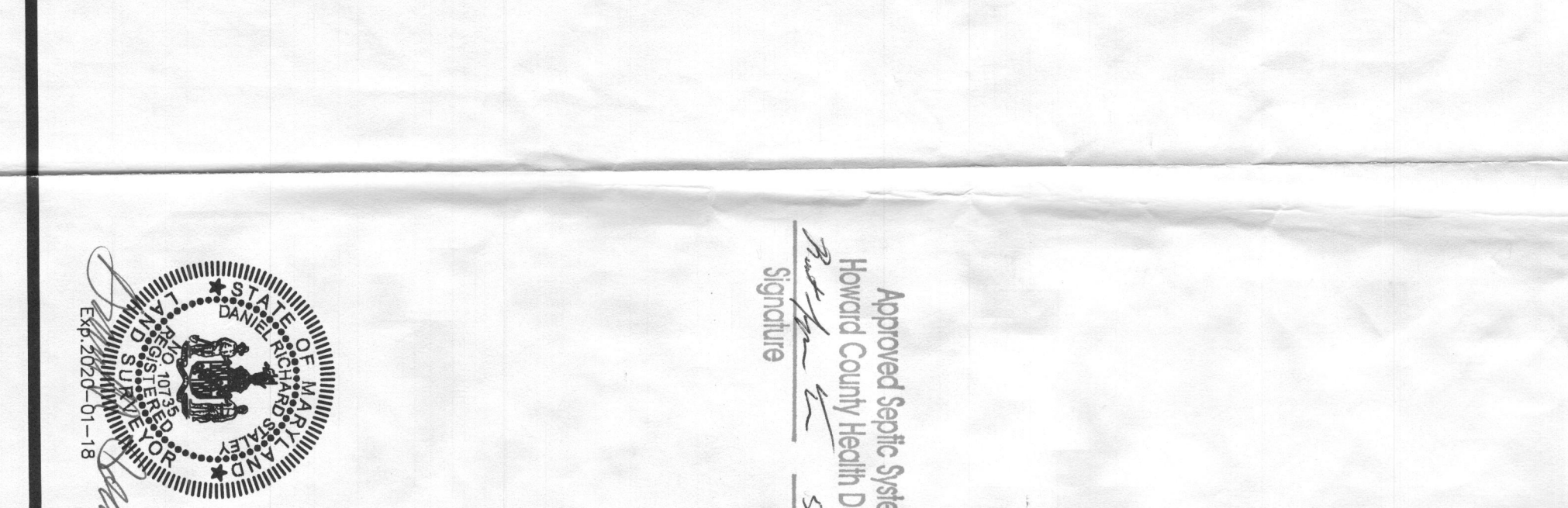
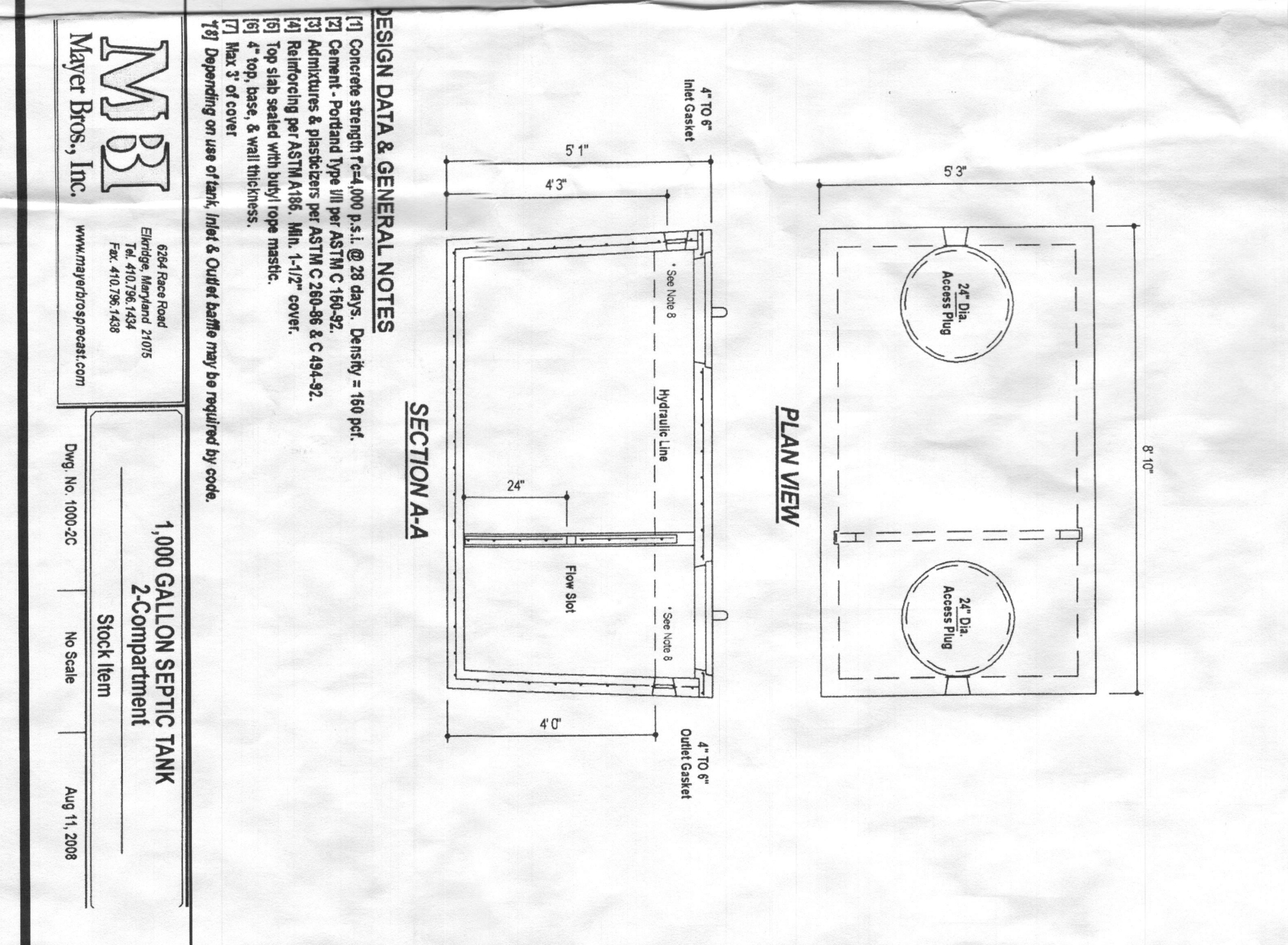
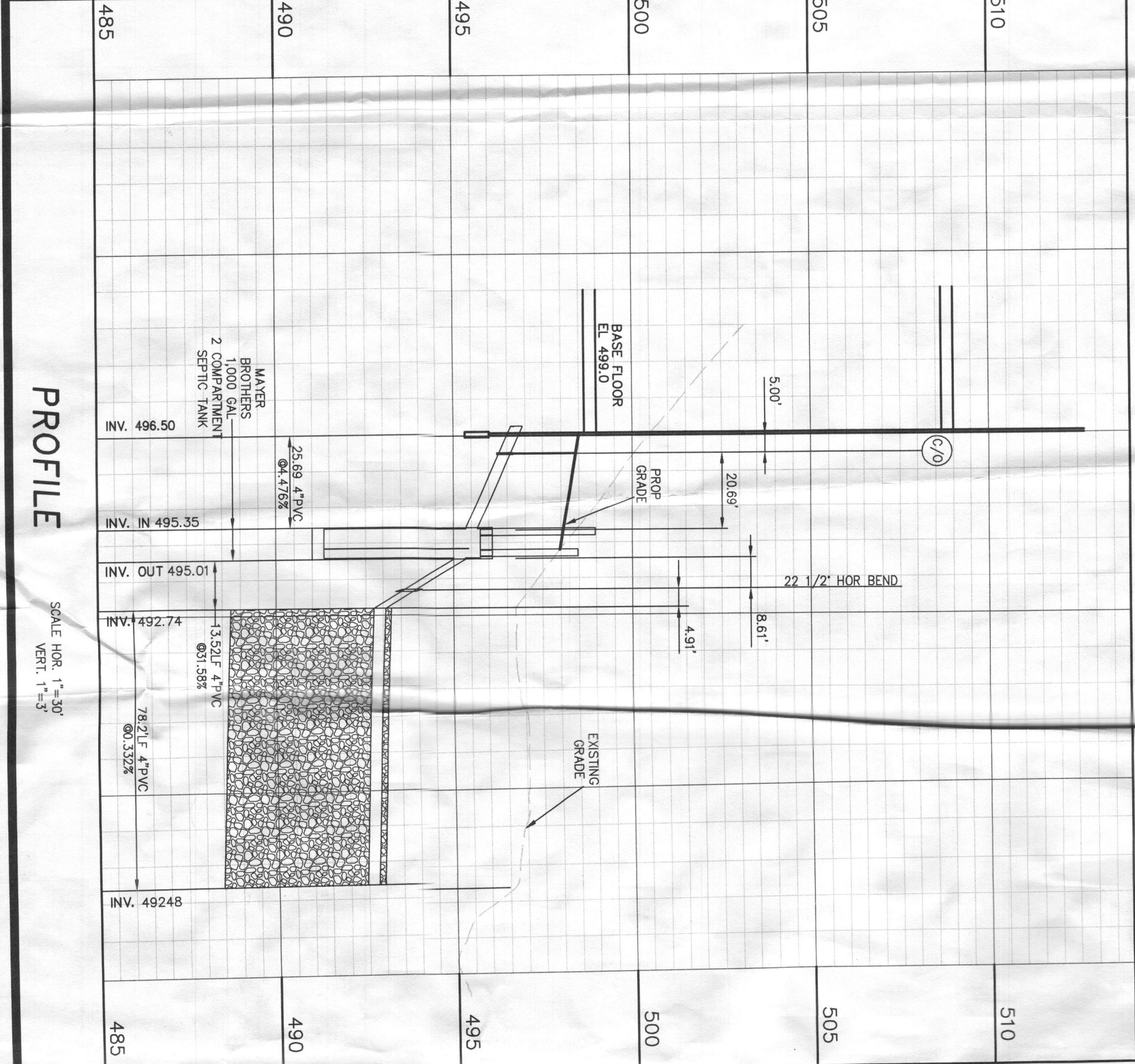
I certify that the information shown herein is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

DANIEL R. STALEY L.S. 10735  
 DATE 2018-04-12



### ADJOINING PROPERTY OWNER INFORMATION

| MAP-BLOCK-PARCEL ACCT ID | OWNER NAME                                     | MALING ADDRESS                                   | TITLE REFERENCE |
|--------------------------|--|--|-----------------|
| 0016-0013-0024 03-295109 | Saunders Debra Anne                            | 12121 Frederick Rd<br>Elliott City MD 21042-1048 | QAR12775 P258   |
| 0016-0013-0029           | Whinn E. Saunders Property                     |  | Plot 8374       |
| 0016-0013-0029 03-295108 | Saunders Robert Patrick & Jeanna Robert        | 12111 Frederick Rd<br>Elliott City MD 21042-1048 | QAR1973 P500    |
| 0016-0013-0029 03-314278 | Saunders Michael E. & Saunders Janet M         | 12113 Frederick Rd<br>Elliott City MD 21042-1048 | QAR1818 P707    |
| 0016-0013-0028 03-295087 | Bunnagender George T & Bunnagender Helen L /VE | 12105 Frederick Rd<br>Elliott City MD 21042-1048 | QAR18102 P235   |
| 0016-0013-0415 03-320383 | Bornes Andrew M. & Bornes Jeanne               | 12105 Frederick Rd<br>Elliott City MD 21042-1048 | QAR16812 P85    |



### DESIGN DATA & GENERAL NOTES

- Concrete strength f'c=4000 p.s.i. @ 28 days. Density = 150 pcf.
- Reinforcing steel shall be per ASTM C-616-02.
- Reinforcing steel shall be per ASTM C-616-02.
- Reinforcing steel shall be per ASTM C-616-02.
- Top side sealed with bity top mastic.
- Top, base, & wall thickness.
- 3' of cover.
- Depending on use of tank, inlet & outlet baffles may be required by code.

Approved Septic System Plan  
 Howard County Health Department  
 Signature: [Signature] DATE: 5/13/18

FOR PRIVATE WATER AND SEWER SYSTEMS

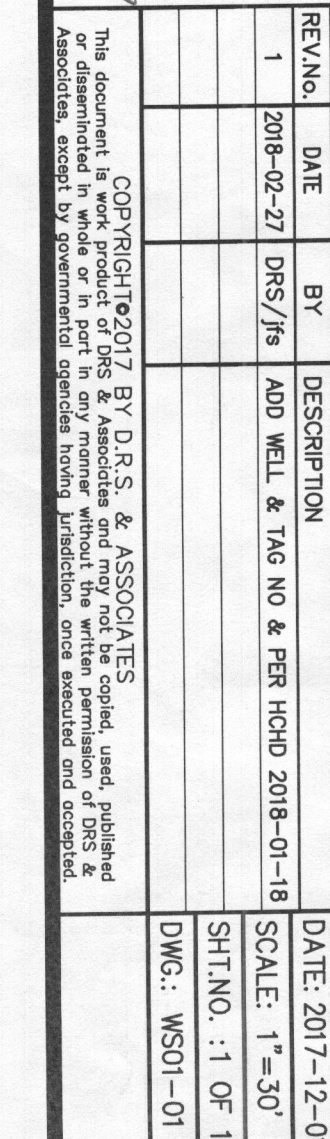
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|--------------------------|--|--|-----------------|
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| 0016-0013-0029           | Whinn E. Saunders Property                     |  | Plot 8374       |
| 0016-0013-0029 03-295108 | Saunders Robert Patrick & Jeanna Robert        | 12111 Frederick Rd<br>Elliott City MD 21042-1048 | QAR1973 P500    |
| 0016-0013-0029 03-314278 | Saunders Michael E. & Saunders Janet M         | 12113 Frederick Rd<br>Elliott City MD 21042-1048 | QAR1818 P707    |
| 0016-0013-0028 03-295087 | Bunnagender George T & Bunnagender Helen L /VE | 12105 Frederick Rd<br>Elliott City MD 21042-1048 | QAR18102 P235   |
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MAP 16 BLOCK 13 PARCEL 04  
 ZONED RR-DEO  
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 410-848-4060 410-876-6040 F. 410-848-8818

DATE: 2017-12-01  
 SCALE: 1"=30'  
 SHEET: 1 OF 1  
 DWG: WS01-01



MBI Mayer Bros, Inc. 1,000 GALLON SEPTIC TANK 2-Compartment Stock Item No Scale Aug 11, 2008