

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: 6-28-21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 569581  
 APPROVAL DATE: 1/12/2022 **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
 PROPERTY ADDRESS: 13185-A Highland Road, Highland MD 20777  
 SUBDIVISION: Pinto-Dunbar Residence LOT: Parcel 3 TAX ID: 1405600553  
 CONTRACTOR: Fogles Septic Clean Inc EMAIL: Kim@foglesinc.com  
 CONTRACTOR ADDRESS: 580 Obercht Rd, Sykesville, MD 21784 PHONE: 410-795-5070  
 CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER: Norweco  
 PROPERTY OWNER: Robert Pinto EMAIL: \_\_\_\_\_  
 OWNER ADDRESS: 10945 Price Manor Way, Apt. 162 Laurel, MD 20723 PHONE: 224-374-6754

**Norweco TNTLP-**  
 BAT UNIT MODEL: 500GPD PUMP SIZE: 40gpm PUMP TANK CAPACITY: 1000

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 4/21/2020 ✓ DATE RECORDED: 4/30/2020 ✓

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.8

|           |   |  |
|-----------|---|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>136</u>          | INLET DEPTH: <u>2</u>                    |
|           | TRENCH WIDTH: <u>2</u>                    | MAXIMUM BOTTOM DEPTH: <u>8</u>           |
|           | MINIMUM SPACE BETWEEN TRENCHES: <u>10</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>4</u> |

LOCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.

NOTES:

ISSUED BY: RF ISSUE DATE: 6/23/2021 EXPIRATION DATE: 6-28-21

- 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 SEPTIC 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 2100 1210 ?
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- 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  
diagram

ROAD NAME

**TRENCH/DRAINFIELD DATA**

| WIDTH                   | INLET  | BOTTOM          |
|-------------------------|--------|-----------------|
| 2'                      | 18"-2' | 8'              |
| NUMBER OF TRENCHES      |        | 2               |
| TOTAL LENGTH            |        | 136'            |
| ABSORPTION AREA         |        | 272' + sidewalk |
| DISTRIBUTION BOX LEVEL  |        | yes             |
| DISTRIBUTION BOX BAFFLE |        | no              |
| DISTRIBUTION BOX PORT   |        | yes             |

**SEPTIC TANK DATA**

**SEPTIC TANK 1 LEVEL**

MANUFACTURER Backriver/Norweco

CAPACITY 500 GAL

SEAM LOC top

TANK LID DEPTH 1'

BAFFLES N/A

BAFFLE FILTER N/A

MANHOLE LOC inlet, middle, outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED N/A

DATE ON LID 12-08-20

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER \_\_\_\_\_

CAPACITY 1000 GAL

SEAM LOC top

TANK LID DEPTH 1'

BAFFLES inlet

BAFFLE FILTER -

MANHOLE LOC outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED N/A

DATE ON LID 6-29-21

**PRE-CONSTRUCTION:**

8/6/21 SDA not staked. Told contractors it was ok to set tanks, call for layout when SDA is staked (SP) 8/10/21 SDA, d-box and beginning of trenches staked by survey. Laid out 2x68' on contour according to plan. (SP)

**INSTALLATION:**

8/10/21 SHC and ST constructed. Tanks set sitting on stone; Norweco was backfilled with stone as well. Force main constructed with a 4" slope under driveway (27' in length). (SP) 8/11/21 - dbox looks good, no baffle and FM inlet is pointed towards the base of the dbox, trenches are not the same length, the shorter one ran too close to the FM, contractor added some length to the other trench, trenches look good, shorter trench almost complete w/ stone fabric, the longer trench was excavated and "Jamie" (contractor) adding stone while onsite, said he'd send a pic of it complete w/ stone fabric, stone looks good, ok to continue and backfill when complete (SP) 01/12/2022 P/A OK - Flow to D Box; ALARM ON OVER CTKL S/S PANEL AWAITING START UP LETTER. (SP)

FINAL INSPECTOR

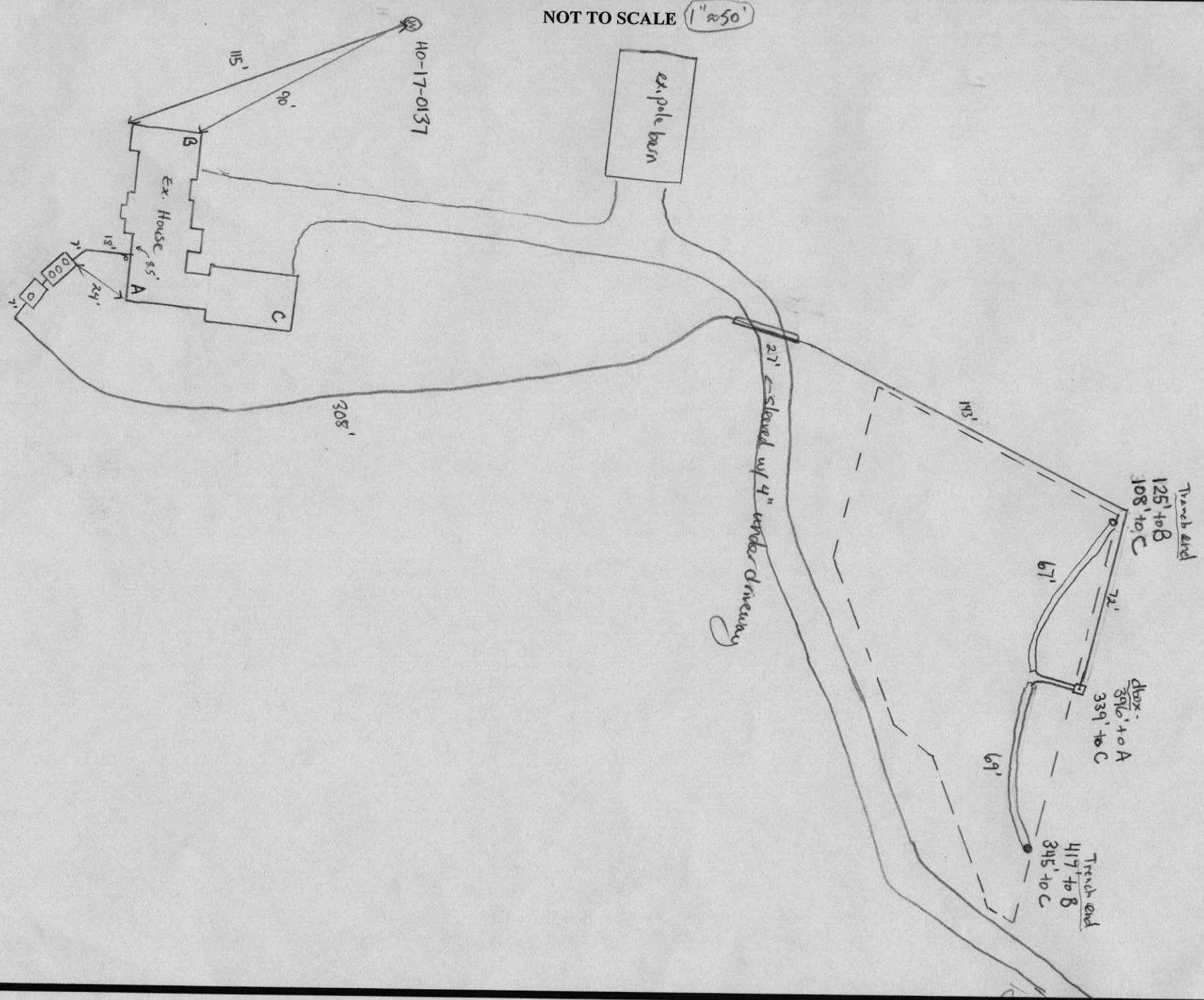
J. Cabrey

DATE OF APPROVAL

8/1/2/2022

13185-A Highland Rd

NOT TO SCALE 1" ≈ 50'



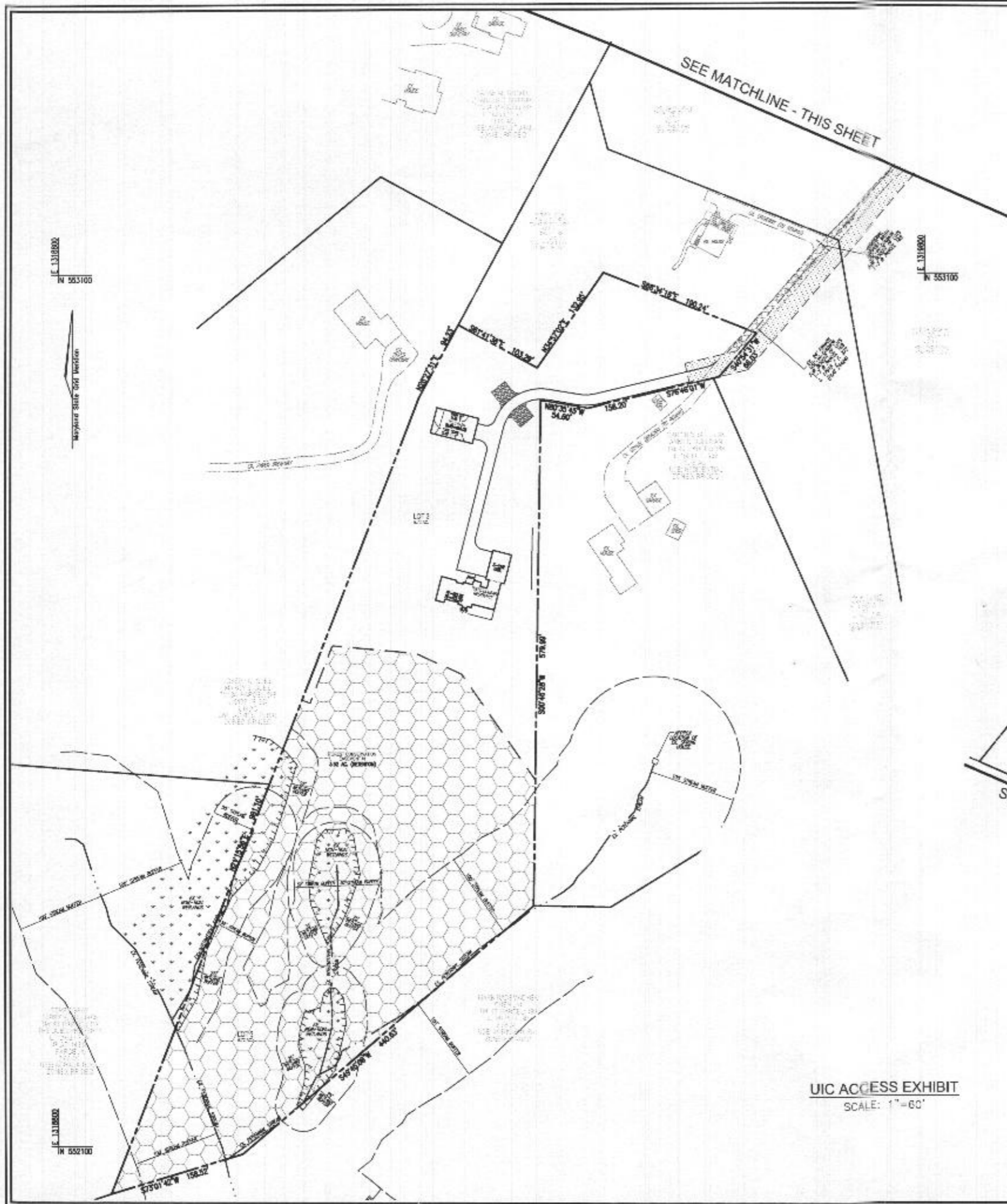
to Highland Rd

photos from contractor : 8/11/21









**LEGEND:**

- PROPERTY LINE
- EASEMENT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING 10' W/4"
- STREAM RIGHT
- STREAM
- WETLANDS
- WETLAND BUFFER
- 24' W/4" EASEMENT PROPERTY LINE - 1' A PERMITS 10' (OUT 24' W/4") 3. 1993 / 1. 1971
- ADJACENT W/4" EASEMENT PROPERTY LINE - 1' A PERMITS 10' 3. 1993 / 1. 1971
- 24' EASEMENT PROPERTY LINE - 1' A PERMITS 10' 3. 1993 / 1. 1971
- EXISTING W/4" EASEMENT PROPERTY LINE - 1' A PERMITS 10' 3. 1993 / 1. 1971
- FOREST EASEMENT PROPERTY LINE



**OWNER**  
 JAMI DUNBAR REVOCABLE TRUST  
 & ROBERT PINTO  
 10343 PRICE MANOR WAY, APT. 102  
 LAUREL, MD 20773  
 224-274-6754

| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |

**SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN**  
**USE-IN-COMMON ACCESS EXHIBIT**  
**PINTO-DUNBAR RESIDENCE**  
**LOT 3 OF THE SULLIVAN PROPERTY**  
 13185-A HIGHLAND ROAD  
 HIGHLAND, MD 20777  
 5.72 AC.  
 L. 18746 / F. 100  
 3RD ELECTION DISTRICT  
 100 W/4" 34' 00" 21'  
 PARCEL: 237  
 ZONED: R1-20  
 HOWARD COUNTY, MARYLAND

**VOGEL ENGINEERING**  
 +  
**TIMMONS GROUP**  
 3360 NORTH RIDGE ROAD, SUITE 110, ELLECCOTT CITY, MD 21045  
 P: 410.481.7888 F: 410.481.8063 www.timmons.com

PROFESSIONAL CERTIFICATE  
 DESIGN BY: [Signature] DATE: [Date]  
 DRAWN BY: [Signature] DATE: [Date]  
 CHECKED BY: [Signature] DATE: [Date]  
 SCALE: AS SHOWN  
 A.D. NO.: 15-05  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A duly Licensed Professional Engineer in the State of Maryland.  
 6 SHEET OF 6

**UIC ACCESS EXHIBIT**  
 SCALE: 1"=60'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: [Date]  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE: [Date]

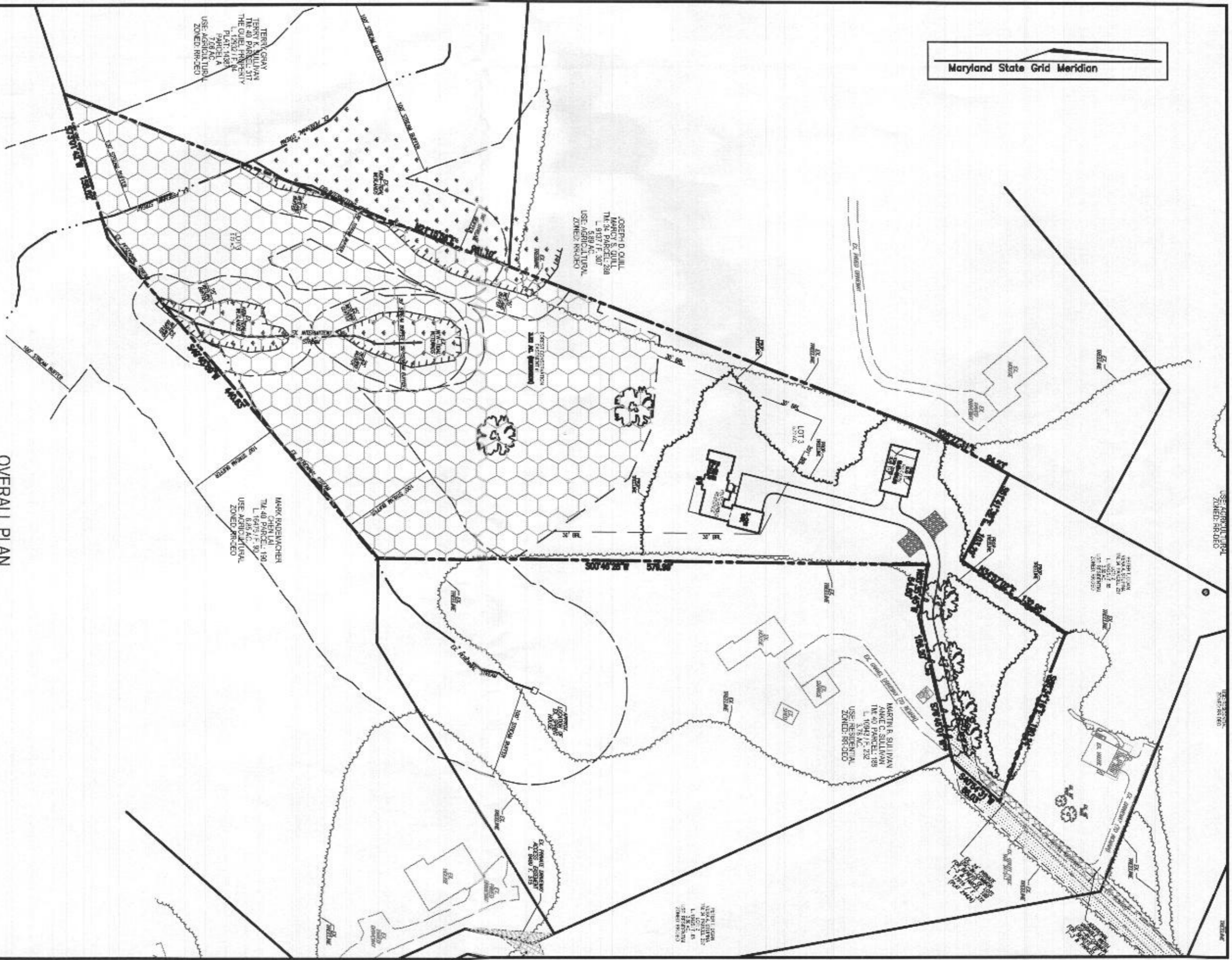
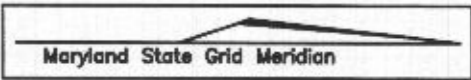












**VOGEL ENGINEERING**  
**⊕ TIMMONS GROUP**  
 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043  
 P: 410.461.7666 F: 410.461.8961 www.timmons.com

SCALE AS SHOWN  
 DRAWN BY JMR  
 CHECKED BY RHV  
 DATE 09/24/20  
 W. O. # 15-00  
 SHEET # 1 OF 5

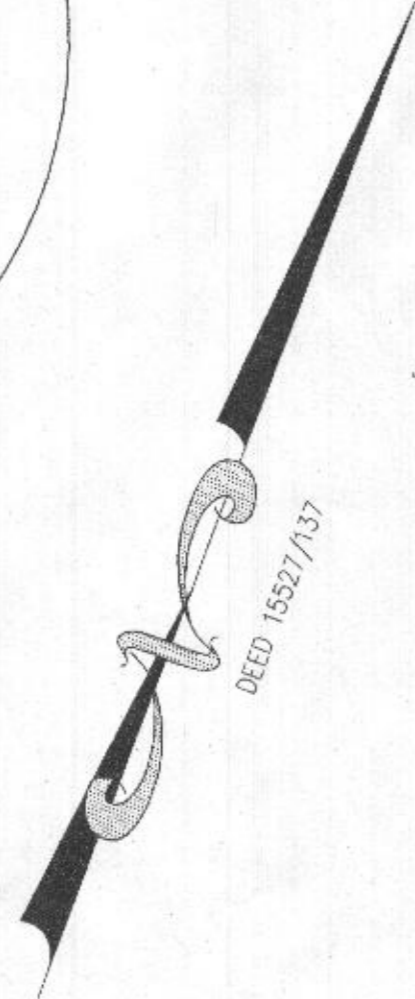
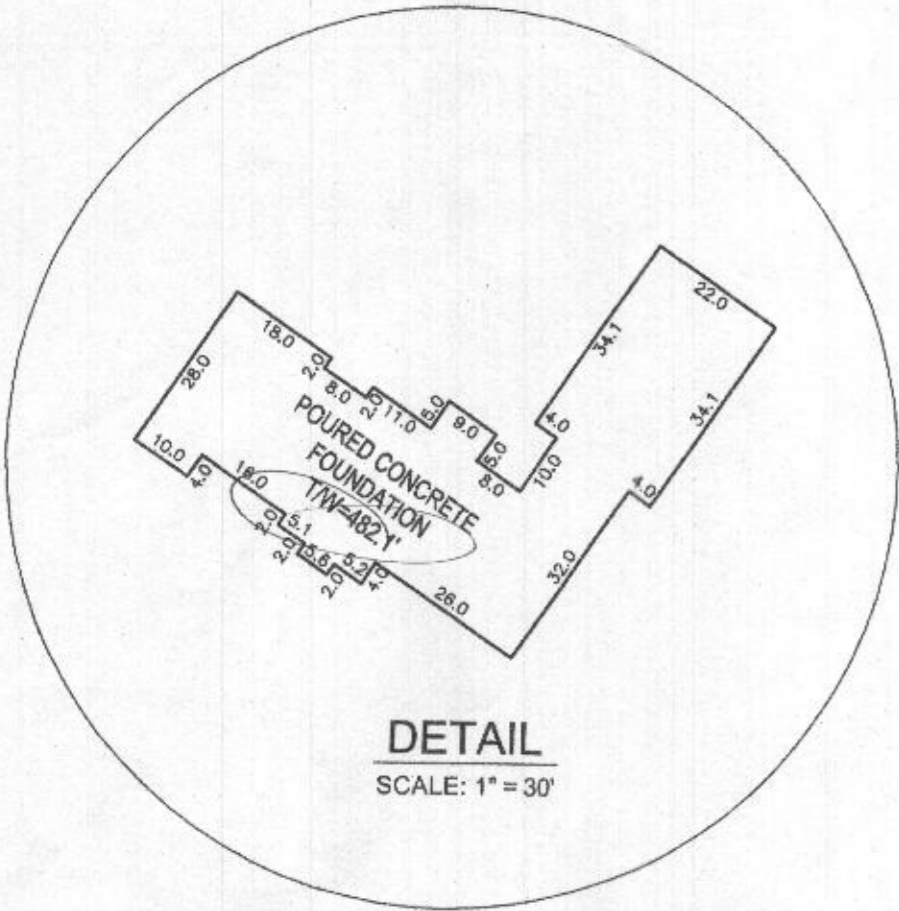
**OVERALL PLAN**  
 SCALE: 1" = 100'  
 SCALE 1" = 100'  
 50' 0' 100'

**OWNER**  
 JAMI DUNBAR REVOCABLE TRUST  
 & ROBERT PINTO  
 10945 PRICE MANOR WAY, APT. 162  
 LAUREL, MD 20723  
 224-374-6754

5TH ELECTION DISTRICT  
 TAX MAP: 34 GRID: 21

**PLOT PLAN**  
**PINTO-DUNBAR RESIDENCE**  
 PARCEL 3 OF THE SULLIVAN PROPERTY  
 13185-A HIGHLAND ROAD  
 HIGHLAND, MD 20777  
 5.72 AC.

PARCEL: 237  
 ZONED: RR-DEO  
 HOWARD COUNTY, MARYLAND



TV 34 P 288  
JOSEPH D. & MARCY S. QUILL  
DEED 9137/307  
2-75-2005  
6719 MINK HOLLOW ROAD

**PARCEL 3**  
5.724 ACRES  
TAX MAP 34 PARCEL 237  
PATRICIA ANN SULLIVAN  
LIBER 15527 FOLIO 137  
13185 HIGHLAND ROAD

**PARCEL 2**  
3.012 ACRES  
TAX MAP 34 PARCEL 237  
PATRICIA ANN SULLIVAN  
LIBER 15527 FOLIO 137  
13185 HIGHLAND ROAD

**PARCEL 1**  
3.012 ACRES  
TAX MAP 34 PARCEL 237  
PATRICIA ANN SULLIVAN  
LIBER 15527 FOLIO 137  
13185 HIGHLAND ROAD

**PARCEL 2**  
3.012 ACRES  
TAX MAP 34 PARCEL 237  
PATRICIA ANN SULLIVAN  
LIBER 15527 FOLIO 137  
13185 HIGHLAND ROAD

TM 40 PAR 188  
ANKE C. SULLIVAN, TRUSTEE  
L 10943 F 232  
10-4-2007  
13183 HIGHLAND ROAD

100' STREAM BUFFER

T.M.40, P.317  
"THE QUIEL PROPERTY"  
PLAT 14387  
6-16-1999  
LOT PARCEL A  
PLAT 14387

100' STREAM BUFFER

T.M.40, P.190  
KIM W. & KATHLEEN M PARK  
DEED 7428/237  
07-30-2003  
BEING 5903/0133



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN; THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

ERICK R. QUINTANILLA  
PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 21408  
EXP. DATE: JUNE 15, 2021

DATE: 01/04/2021

**VOGEL ENGINEERING**  
**TIMMONS GROUP**  
3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043  
P: 410.461.7666 F: 410.461.8961 www.timmons.com

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

**WALL CHECK DRAWING**

**PARCEL 3**  
**SULLIVAN PROPERTY**  
**13185-A HIGHLAND ROAD**  
5.724 ACRES +/-  
TAX MAP 40, PARCEL 237  
L 15527 F 137

FIFTH ELECTION DISTRICT      HOWARD COUNTY, MARYLAND

SCALE: 1"=50'  
1"=60' GRAPHIC SCALE

DECEMBER 31, 2020

1 INCH = 50 FEET

|                     |                 |
|---------------------|-----------------|
| COMPILED BY: T.M.H. | SHEET<br>1 of 1 |
| DRAWN BY: T.M.H.    |                 |
| CHECKED BY: T.M.H.  |                 |

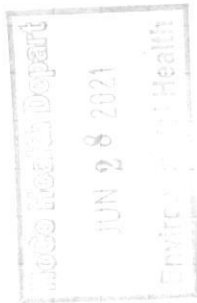
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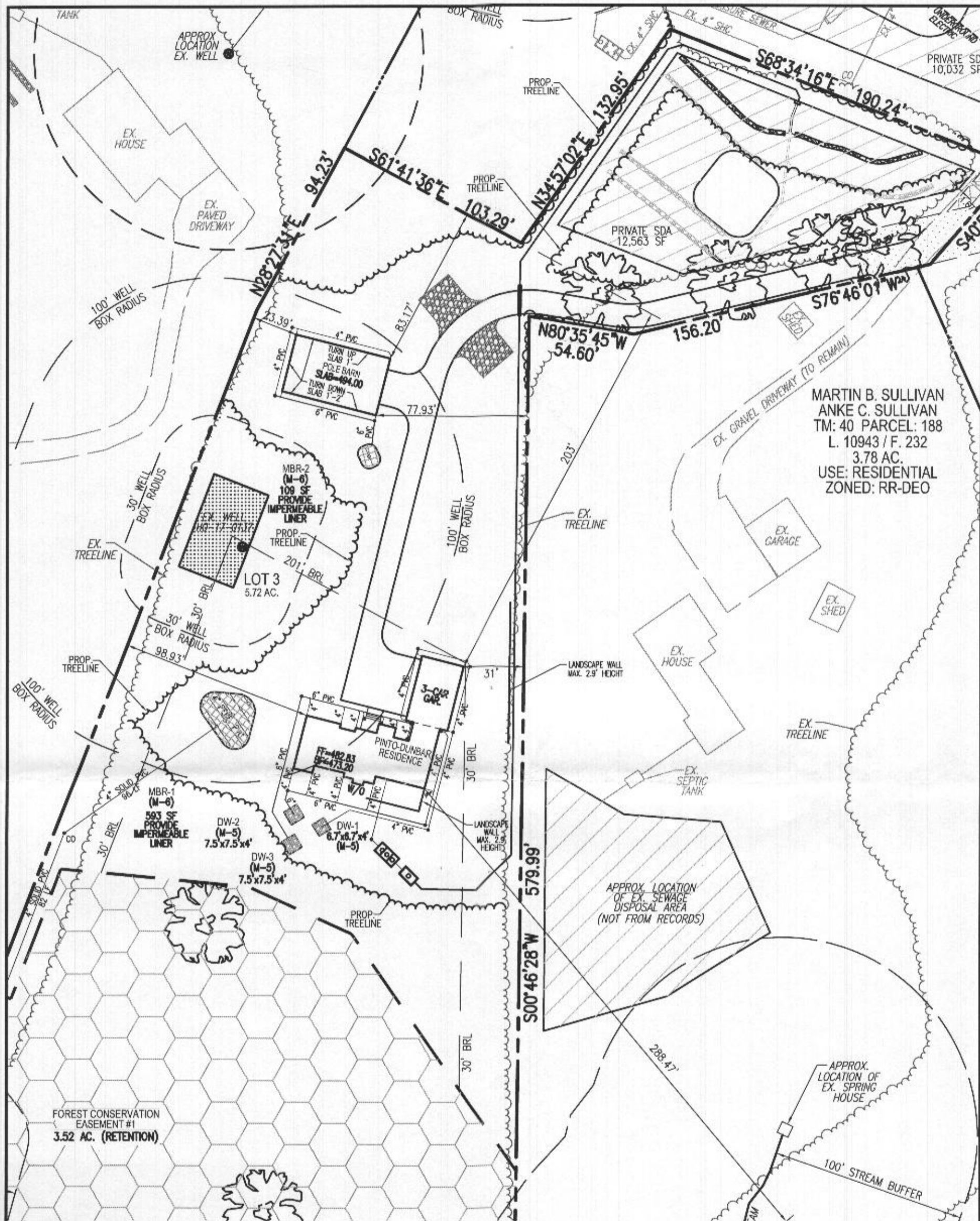


# AQUAFLOW PUMP & SUPPLY CO.

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| 1561 Pulaski Highway • P.O. Box 98 • Bear, DE 19701 . . . . .  | (302) 834-1311 • Fax (302) 834-0716                  |
| 16816 So. Dupont Highway • Harrington, DE 19952 . . . . .      | (302) 398-3704 • Fax (302) 398-3716                  |
| 2309 North Dupont Highway • New Castle, DE 19720 . . . . .     | (302) 656-5437 • Fax (302) 656-4309                  |
| 15 Tomlinson Road • Huntingdon Valley, PA 19006 . . . . .      | (215) 947-7900 • Fax (215) 947-9907                  |
| 3001 Montrose Avenue • Reading, PA 19605 . . . . .             | (610) 929-0100 • Fax (610) 929-9230                  |
| 104 Railroad Street • Bedford, PA 15522 . . . . .              | (814) 623-2290 • Fax (814) 623-8892                  |
| 258 Donahoe Road • Greensburg, PA 15601 . . . . .              | (724) 552-0240 • Fax (724) 552-0249 • 1-800-581-5113 |
| 9694 Rt. 322 • P.O. Box 157 • Shippenville, PA 16254 . . . . . | (814) 226-5070 • Fax (814) 226-7961 • 1-800-360-4678 |
| 16051 Business Parkway • Hagerstown, MD 21740 . . . . .        | (301) 790-0088 • Fax (301) 790-0098 • 1-877-558-0089 |
| 5430 Ketch Road • Prince Frederick, MD 20678 . . . . .         | (443) 968-2867 • Fax (443) 968-9701                  |
| 89 Willow Grove Road • Unit F • Shamong, NJ 08088 . . . . .    | (609) 801-0771 • Fax (609) 801-0772                  |
| 4185 Independence Drive • Schnecksville, PA 18078 . . . . .    | (610) 799-3211 • Fax (610) 799-3888                  |
| 841 Route 6 • Shohola, PA 18458 . . . . .                      | (570) 409-0017 • Fax (570) 409-0019                  |

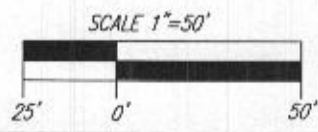
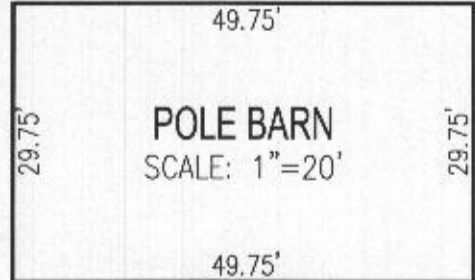
*New permit  
for Robert Pinto  
13185-A Highland Rd  
Highland*





MARTIN B. SULLIVAN  
 ANKE C. SULLIVAN  
 TM: 40 PARCEL: 188  
 L. 10943 / F. 232  
 3.78 AC.  
 USE: RESIDENTIAL  
 ZONED: RR-DEO

LAYOUT PLAN  
 SCALE: 1"=50'



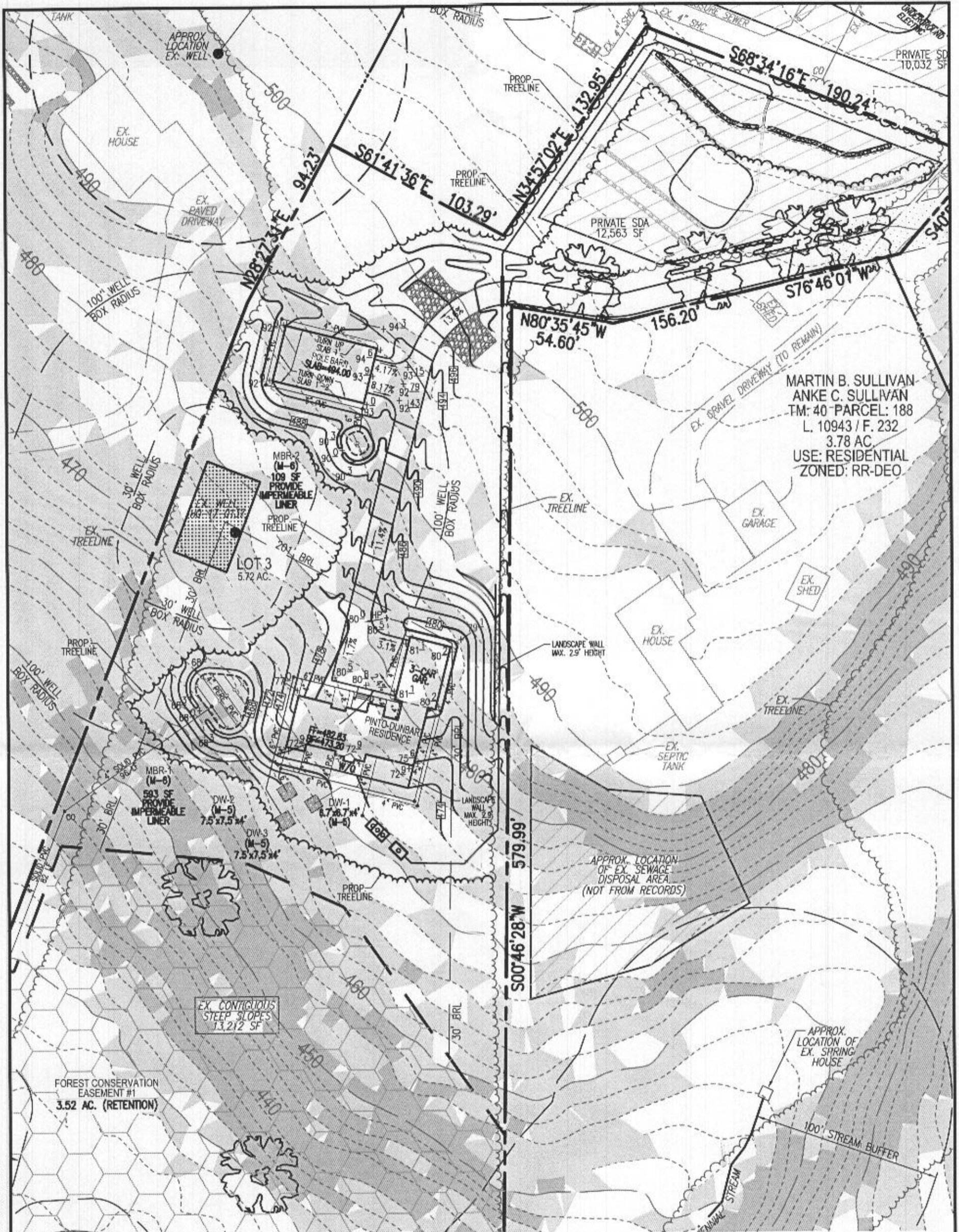
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|------------|----------|
| SCALE      | AS SHOWN |
| DRAWN BY   | JMR      |
| CHECKED BY | RHV      |
| DATE       | 09/24/20 |
| W. O. #    | 15-00    |
| SHEET#     | 2 OF 5   |

5TH ELECTION DISTRICT  
 TAX MAP: 34 GRID: 21

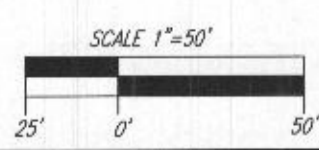
**PLOT PLAN**  
**PINTO-DUNBAR RESIDENCE**  
 PARCEL 3 OF THE SULLIVAN PROPERTY  
 13185-A HIGHLAND ROAD  
 HIGHLAND, MD 20777  
 5.72 AC.

PARCEL: 237  
 ZONED: RR-DEO  
 HOWARD COUNTY, MARYLAND

K:\Projects\15-00\ENGR\dwg\PLOT PLANS\PARCEL 3\PARCEL 3 POLE BARN.dwg, 9/24/20 2:49:38 PM



**GRADING PLAN**  
SCALE: 1"=50'



**PLOT PLAN**  
**PINTO-DUNBAR RESIDENCE**  
 PARCEL 3 OF THE SULLIVAN PROPERTY  
 13185-A HIGHLAND ROAD  
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PARCEL: 237  
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 HOWARD COUNTY, MARYLAND

|            |          |
|------------|----------|
| SCALE      | AS SHOWN |
| DRAWN BY   | JMR      |
| CHECKED BY | RHV      |
| DATE       | 09/24/20 |
| W. O. #    | 15-00    |
| SHEET#     | 3 OF 5   |

5TH ELECTION DISTRICT  
 TAX MAP: 34 GRID: 21

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