

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
 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 11-18-21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 570854

APPROVAL DATE: 12/22/22 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 6026 BRICKER ROAD, DAYTON, MD 21036

SUBDIVISION: WILLOWSHIRE LOT: 16 TAX ID: 03-603004

CONTRACTOR: CHAVIS ENTERPRISES & SEPTIC SERVICES EMAIL: Ryan@chavisenterprisesllc.com

CONTRACTOR ADDRESS: 23 EAST ELLENDALE, BEL AIR, MD 21014 PHONE: (410)838-3007

PROPERTY OWNER: TOLL MID-ATLANTIC LP COMPANY, INC EMAIL: Sriley1@tollbrothers.com

OWNER ADDRESS: 250 GIBRALTER ROAD, HORSHAM, PA 19044 PHONE: (410)872-9165

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Back River Pre-Cast, LLC

PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

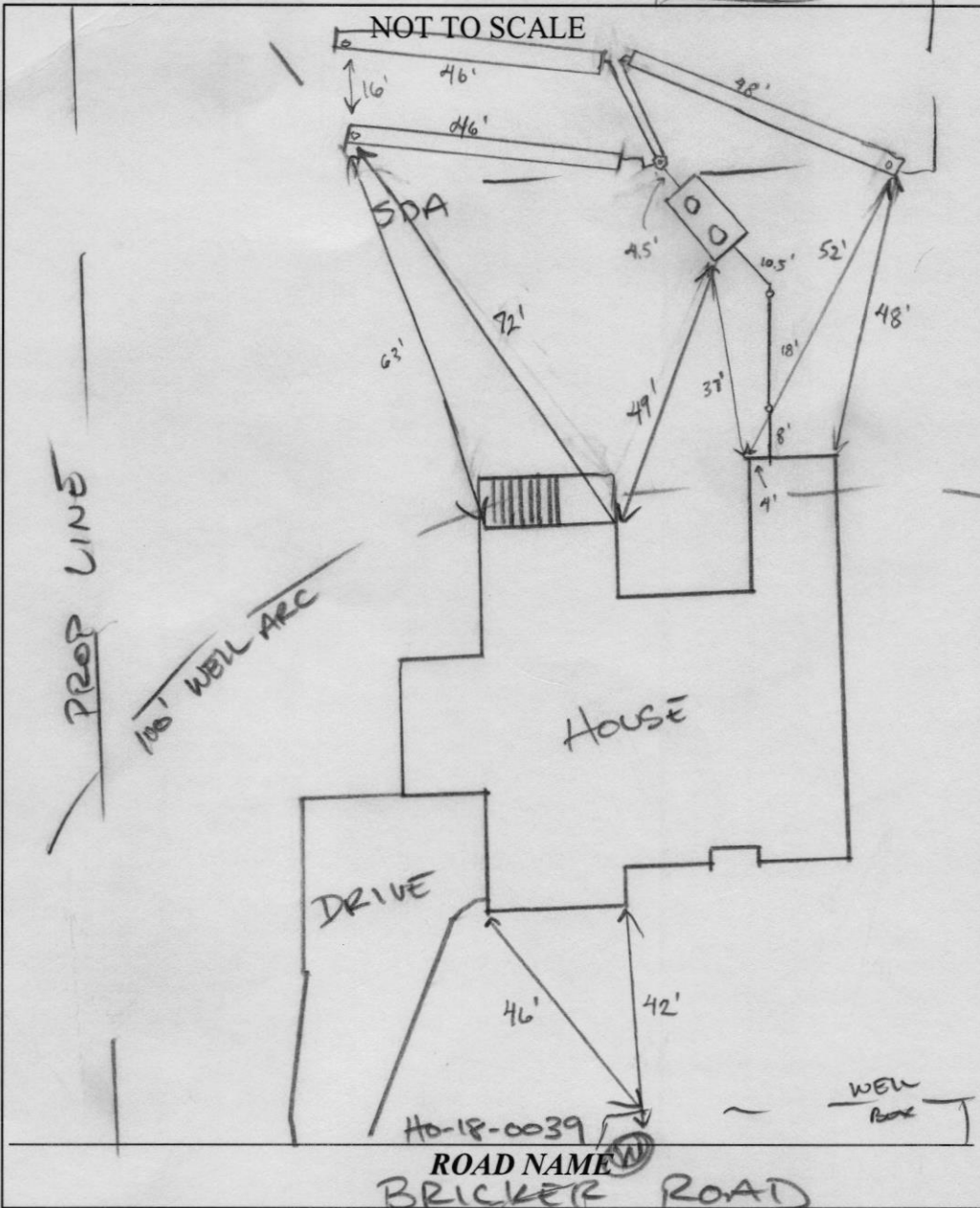
| | | |
|-----------|---|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>135</u> | INLET DEPTH: <u>3.0</u> |
| | TRENCH WIDTH: <u>3</u> | MAXIMUM BOTTOM DEPTH: <u>8.0</u> |
| | MINIMUM SPACE BETWEEN TRENCHES: <u>13</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u> |
| LOCATION: | PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. | |
| NOTES: | INSTALL AT LEAST ONE CLEANOUT NEAR BEGINNING OF SHC SET DISTRIBUTION BOX AT BEGINNING OF UPPER TRENCH | |

ISSUED BY: R BRICKER ISSUE DATE: _____ EXPIRATION DATE: 11-18-22

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E n.a.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

~1:30



TRENCH/DRAINFIELD DATA

| WIDTH | INLET | BOTTOM |
|-------------------------|-------|----------------------|
| 3' | 3' | 8' |
| NUMBER OF TRENCHES | | 3 |
| TOTAL LENGTH | | 140' |
| ABSORPTION AREA | | 420 sq ft + sidewalk |
| DISTRIBUTION BOX LEVEL | | SPEEDY |
| DISTRIBUTION BOX BAFFLE | | cement |
| DISTRIBUTION BOX PORT | | PVC |

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 0.5'

BAFFLES YES

BAFFLE FILTER -

MANHOLE LOC inlet & outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 11-8-21

PUMP/SEPTIC TANK LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PRE-CONSTRUCTION:

12/7/21 3x45' trenches were staked out on contour according to plan (SI)

INSTALLATION:

12/16/21 SHC, Sh constructed tank set, d-box leveled. 3 trenches installed. Re insp for baffles (SI) 12/22/2022 INLET/OUTLET BAFFLES INSTALLED (SI)

FINAL INSPECTOR

[Handwritten Signature]

DATE OF APPROVAL 12/22/2022

HOUSE OPTIONS:

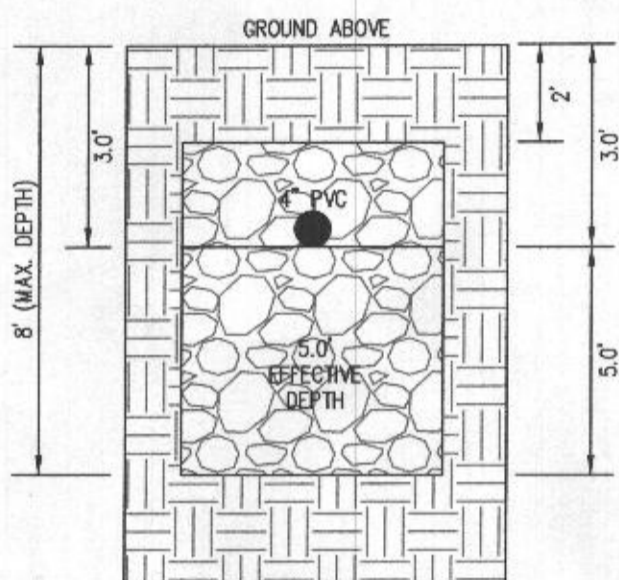
HOUSE TYPE: PARKHURST (CRAFTSMAN)

- TWO CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- DAYLIGHT BASEMENT
- MULTI-GENERATIONAL SUITE ADDITION
- OPTIONAL DROP ZONE
- ADDITIONAL ONE CAR FRONT ENTRY GARAGE - 14'
- BEDROOM FOR FINISHED LOWER LEVEL
- POWDER ROOM IN LOWER LEVEL

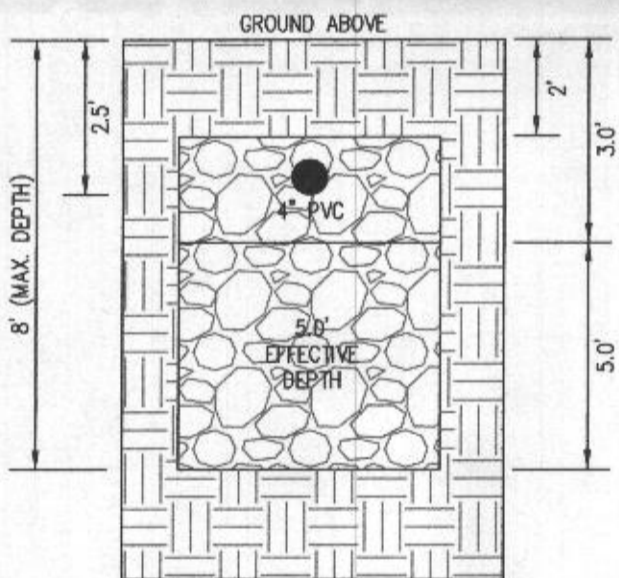
- OPTION NO. 012
- OPTION NO. 013
- OPTION NO. 018
- OPTION NO. 263073
- OPTION NO. 263081
- OPTION NO. 263102
- OPTION NO. 263216
- OPTION NO. 90016002

INITIAL TRENCH DATA:

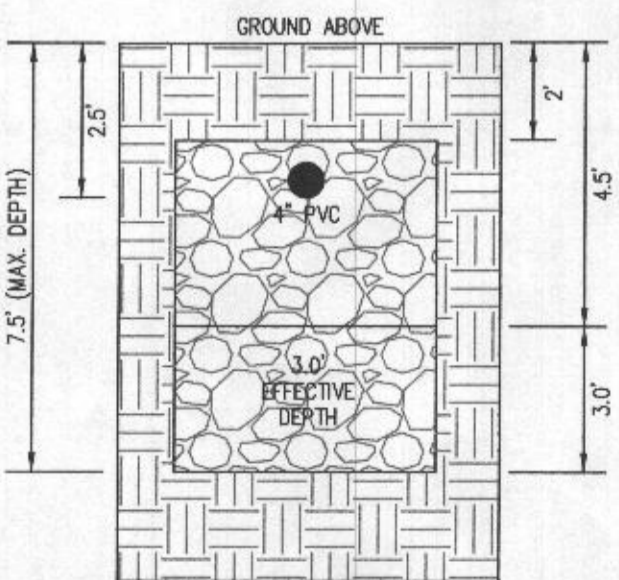
- BOTTOM MAX. DEPTH (8')
- TRENCH 1 (T1): 45.00 LF.**
GROUND ABOVE = 461.30'
INV. IN = 458.30'
BOTTOM TRENCH = 453.30'
- TRENCH 2 (T2): 45.00 LF.**
GROUND ABOVE = 459.3'
INV. IN = 456.30'
BOTTOM TRENCH = 451.30'
- TRENCH 3 (T3): 45.00 LF.**
GROUND ABOVE = 459.3'
INV. IN = 456.30'
BOTTOM TRENCH = 451.30'



INITIAL SYSTEM TRENCH DETAIL (T1 THRU T3) (NOT TO SCALE)

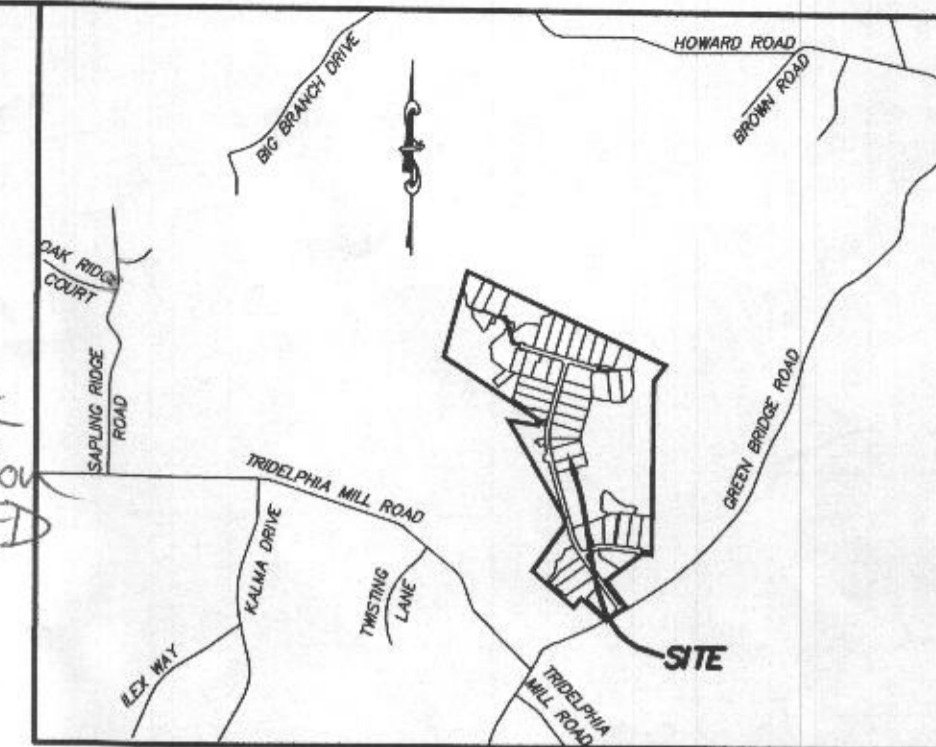
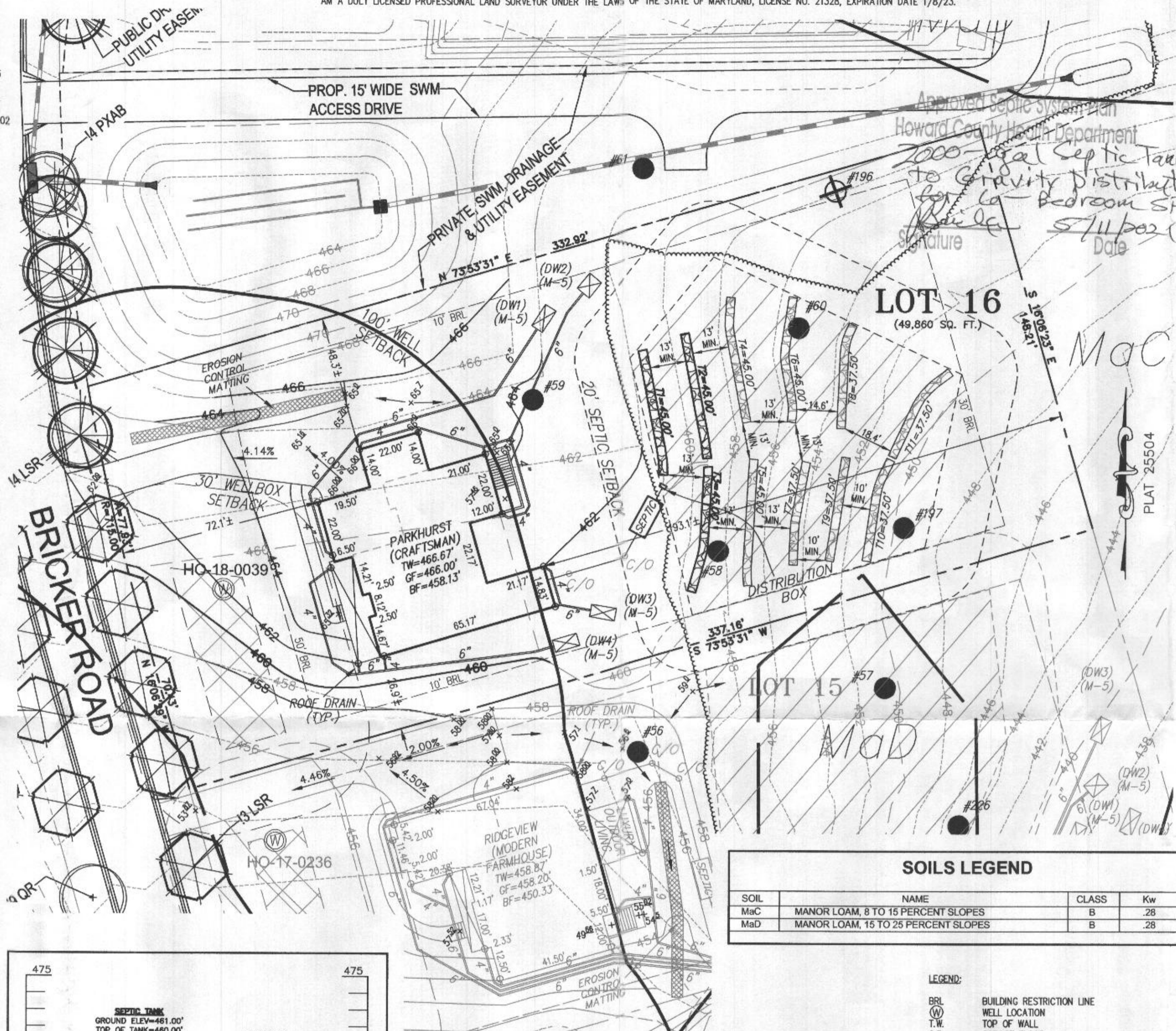


1ST REPLACEMENT SYSTEM TRENCH DETAIL (T4 THRU T6) (NOT TO SCALE)



2ND REPLACEMENT SYSTEM TRENCH DETAIL (T7 THRU T11) (NOT TO SCALE)

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE 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, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.



VICINITY MAP
1" = 2000'
TAX MAP 27, GRID 18

GENERAL NOTES:

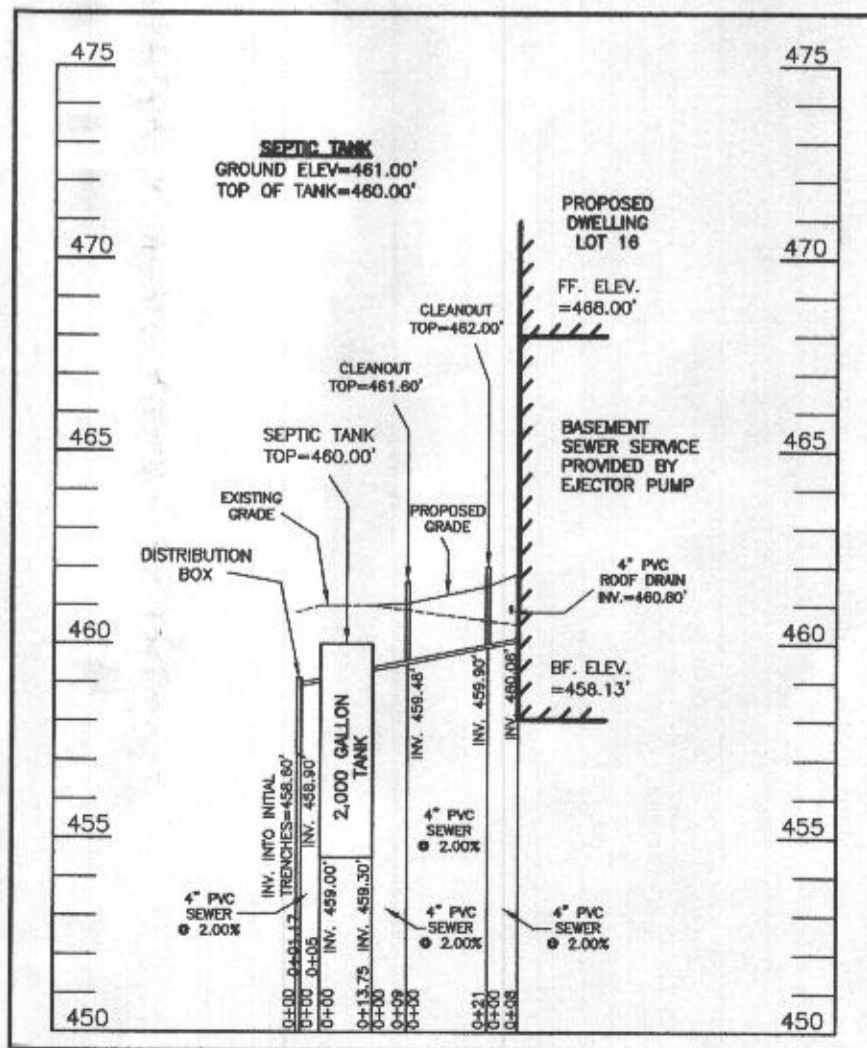
1. THESE AREAS DESIGNATE A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE AREA. RECORDED OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
2. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
4. BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
5. ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
6. THE MAXIMUM EARTH COVER OVER THE TANK IS THREE (3) FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
7. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
11. THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS AND A TOPOGRAPHIC SURVEY PREPARED BY BOHLER ENGINEERING ON 08/25/15 AND REVISED ON 09/03/15.

SOILS LEGEND

| SOIL | NAME | CLASS | Kw |
|------|-------------------------------------|-------|-----|
| MaC | MANOR LOAM, 8 TO 15 PERCENT SLOPES | B | .28 |
| MaD | MANOR LOAM, 15 TO 25 PERCENT SLOPES | B | .28 |

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 460.06'
- 1. EX. GRADE OVER TANK: 461.00'
PROPOSED GRADE OVER TANK: 461.00'
INVERT IN: 459.30' INVERT OUT: 459.00'
- 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 460.80'
PROPOSED GRADE OVER TANK: 460.80'
INVERT IN: 458.90' INVERT OUT: 458.60'
- 3. INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.8 APP. RATE = 1,125 SF
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE
13' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.36 (SIDEWALL REDUCTION) = 135 LF MIN.
USE 3 45.00' LONG TRENCHES = 135 LF
- 4. 1ST REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.8 APP. RATE = 1,125 SF
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
13' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.36 (SIDEWALL REDUCTION) = 135 LF MIN.
USE 3 45.00' LONG TRENCHES = 135 LF
- 5. 2ND REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.8 APP. RATE = 1,125 SF
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.50 (SIDEWALL REDUCTION) = 187.50 LF MIN.
USE 5 37.50' LONG TRENCHES = 187.50 LF

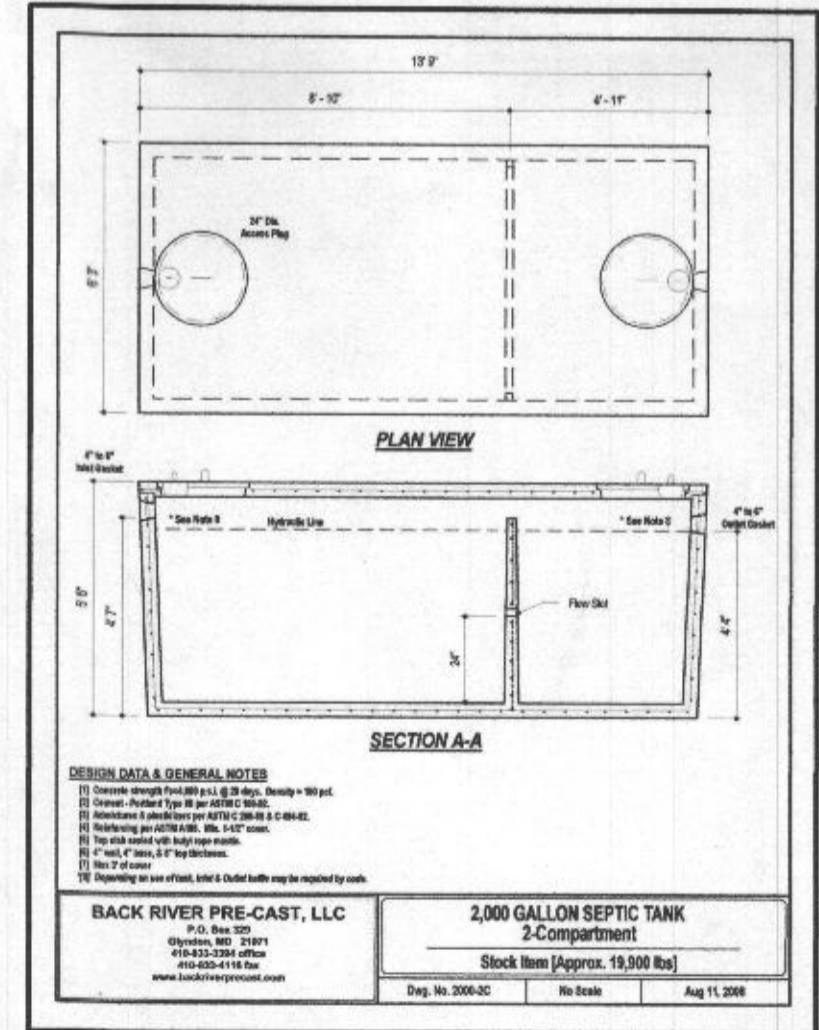


SEPTIC SYSTEM PROFILE
SCALE = HORIZONTAL: 1"=50'
VERTICAL: 1"=5'



WELL LOCATION CERTIFICATION:
THE EXISTING WELL SHOWN FOR LOT 16 (TAG NO. HO-18-0039) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16 WILLOWSHIRE
LIBER 184-79, FOLIO 296
PLAT NO. 25504
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND
ADDRESS: 6026 BRICKER ROAD
DAYTON, MARYLAND 21036



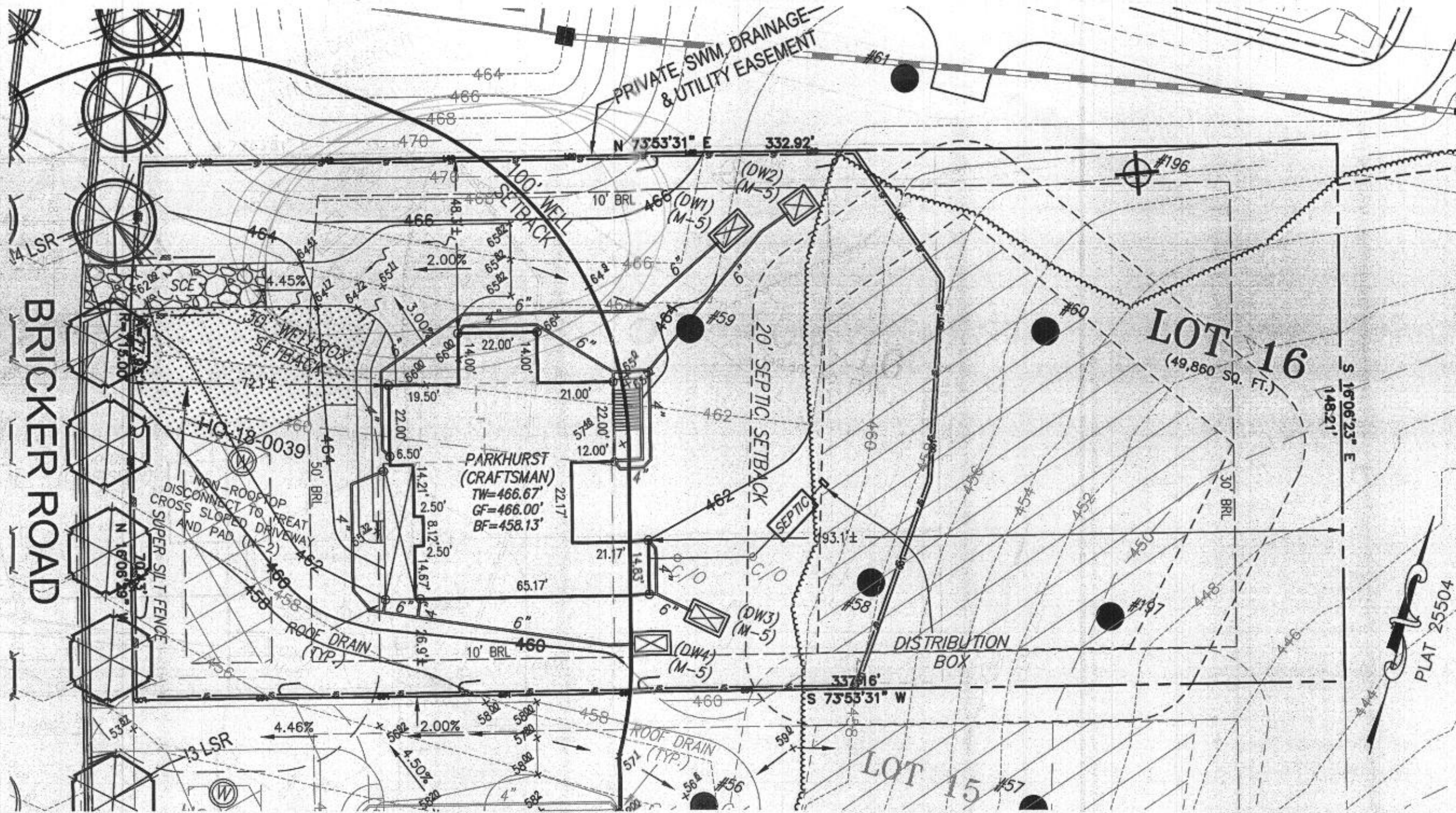
ESE CONSULTANTS
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL
ESE Consultants, Inc.
7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-872-9105

DATE: 04/15/2021 SCALE: 1"= 30' FILE: OSDS LOT 16
CHK'D: M.L.B. JOB NO: 4520 DRAWN: R.C.K.

LEGEND:

- BRL BUILDING RESTRICTION LINE
- W WELL LOCATION
- T.W. TOP OF WALL
- G.F. GARAGE FLOOR
- B.F. BASEMENT FLOOR
- PASSED PERC LOCATION
- ⊕ FAILED PERC LOCATION
- ▨ SEWAGE DISPOSAL AREA
- ▩ WELL BOX AREA
- ⊗ PROPOSED TREES
- SCE STONE CONSTRUCTION ENTRANCE
- DW DRYWELL
- SILT FENCE
- SUPER SILT FENCE
- LIMITS OF DISTURBANCE

NOTE:
TOTAL LIMITS OF DISTURBANCE (LOD) = 32,176 SQ. FT.



*Plot Plan
revised for
change in
drive-way/parking
design
2/16/22 RB*

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN
SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

HOUSE TYPE: PARKHURST (CRAFTSMAN)

- TWO CAR SIDE ENTRY GARAGE
- FINISHED LOWER LEVEL
- DAYLIGHT BASEMENT
- MULTI-GENERATIONAL SUITE ADDITION
- OPTIONAL DROP ZONE
- ADDITIONAL ONE CAR FRONT ENTRY GARAGE - 14'
- BEDROOM FOR FINISHED LOWER LEVEL
- POWDER ROOM IN LOWER LEVEL

- OPTION No. 012
- OPTION No. 013
- OPTION No. 018
- OPTION No. 263073
- OPTION No. 263081
- OPTION No. 263102
- OPTION No. 263216
- OPTION No. 90016002

WELL NUMBER: HO-18-0039

ADDRESS: 6026 BRICKER ROAD
DAYTON, MD 21036

PLOT PLAN
LOT 16
WILLOWSHIRE
LIBER 18479, FOLIO 296
PLAT NO. 25504
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

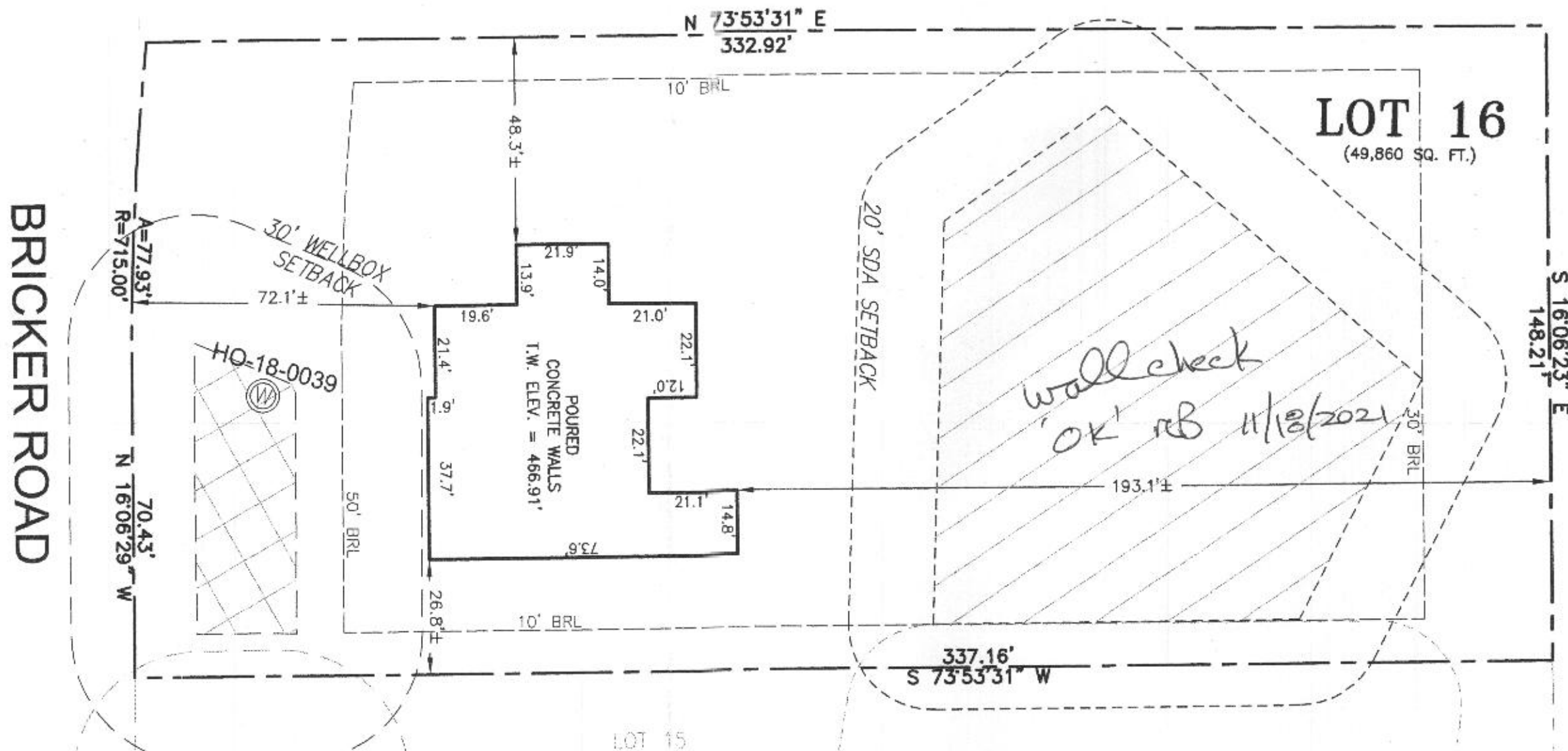
ESE Consultants, Inc.
6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046
T: 410-872-9105

DATE: 02/11/2022 SCALE: 1" = 30' FILE: PP LOT 16 - PARKHURST CRAFTS.
CHK'D: M.J.B. JOB NO: 4520 DRAWN: R.C.K.

LEGEND:

- BRL BUILDING RESTRICTION LINE
- W WELL LOCATION
- T.W. TOP OF WALL
- SEWAGE DISPOSAL AREA
- WELL BOX AREA

PRESERVATION
PARCEL C
BUILDABLE



WELL NUMBER: HO-18-0039
ADDRESS: 6026 BRICKER ROAD
DAYTON, MD 21036
PERMIT NO.: B21001543

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN
SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

SURVEYOR'S CERTIFICATE

THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT-OF-WAYS, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY LINES SHOWN HEREON ARE PER AVAILABLE RECORDS AND HAVE NOT BEEN FIELD VERIFIED.
THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

Michael Joe Boyce 21328 10/26/21
SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

WALLCHECK
LOT 16
WILLOWSHIRE
LIBER 18479, FOLIO 296
PLAT NO. 25504
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

ESE Consultants, Inc.
6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046
T: 410-872-9105

DATE: 10/26/2021 SCALE: 1"=30' FILE: WC LOT 16
CHK'D: M.J.B. JOB NO: 4520 DRAWN: V.X.P.

