

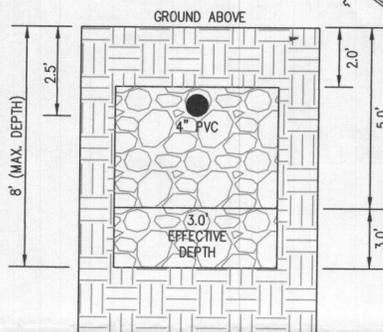
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.

LEGEND:

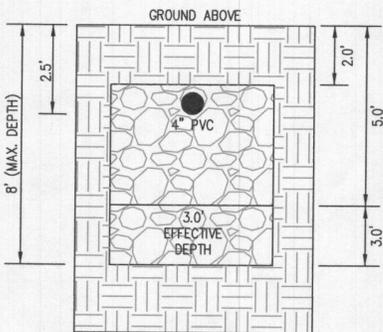
- BRL BUILDING RESTRICTION LINE
- WELL LOCATION
- T.W. TOP OF WALL
- G.F. GARAGE FLOOR
- B.F. BASEMENT FLOOR
- SCE STONE CONSTRUCTION ENTRANCE
- DW DRYWELL
- ▲ PASSED PERC LOCATION
- FAILED PERC LOCATION
- SEWAGE DISPOSAL AREA
- WELL BOX AREA
- PROPOSED TREE

INITIAL TRENCH DATA

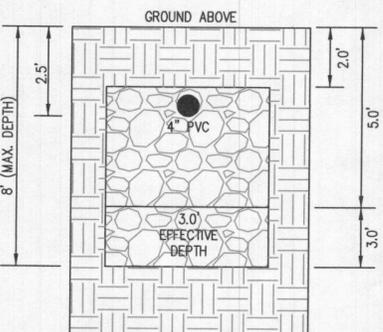
- BOTTOM MAX. DEPTH (8')**
- TRENCH 1 (T1): 62.50 LF**
 GROUND ABOVE = 440.30'
 INV. IN = 437.80'
 BOTTOM TRENCH = 432.30'
- TRENCH 2 (T2): 62.50 LF**
 GROUND ABOVE = 439.50'
 INV. IN = 437.00'
 BOTTOM TRENCH = 431.50'



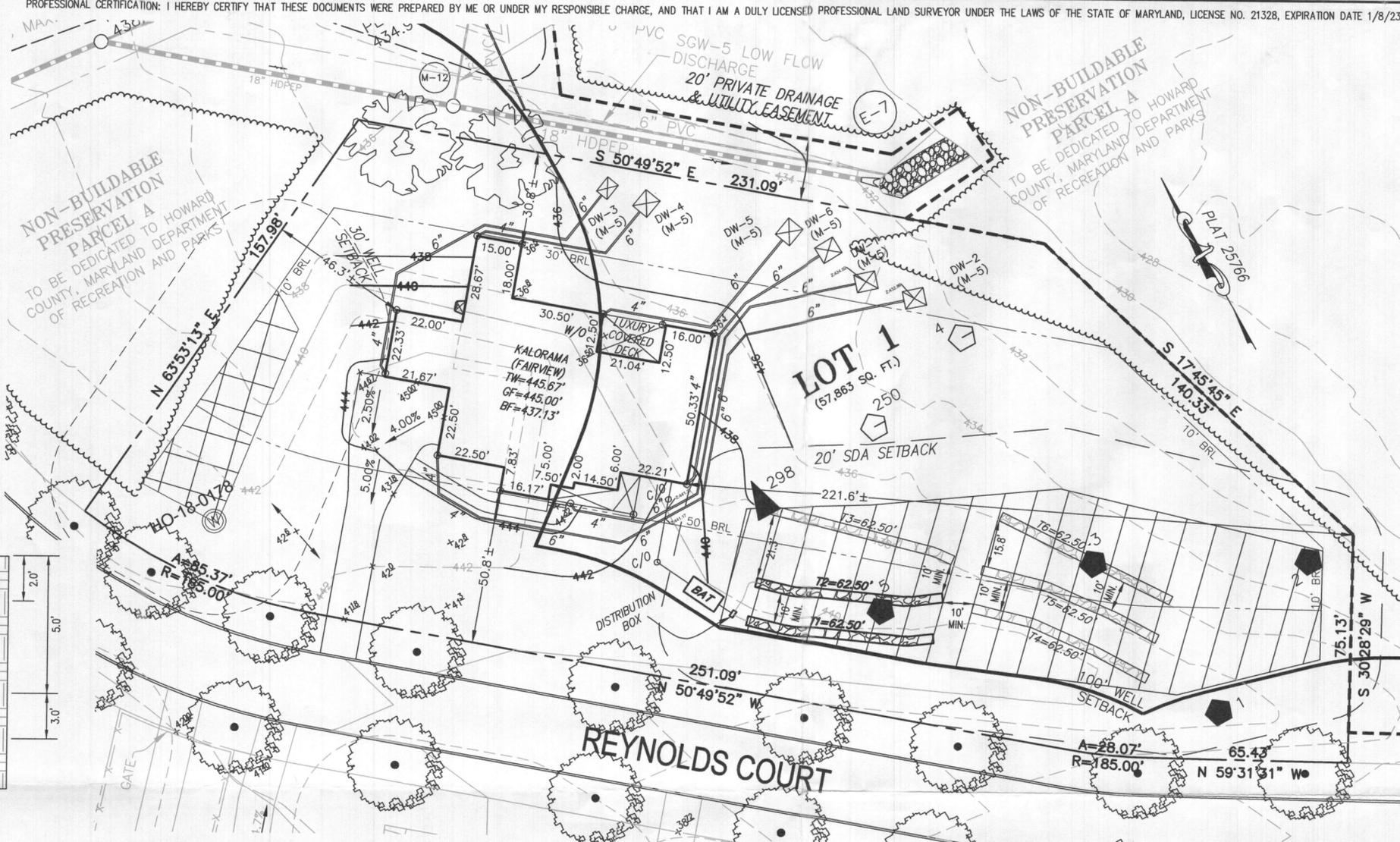
INITIAL SYSTEM TRENCH DETAIL (T1) AND (T2) (NOT TO SCALE)



1ST REPLACEMENT SYSTEM TRENCH DETAIL (T3) AND (T4) (NOT TO SCALE)



2ND REPLACEMENT SYSTEM TRENCH DETAIL (T5) AND (T6) (NOT TO SCALE)

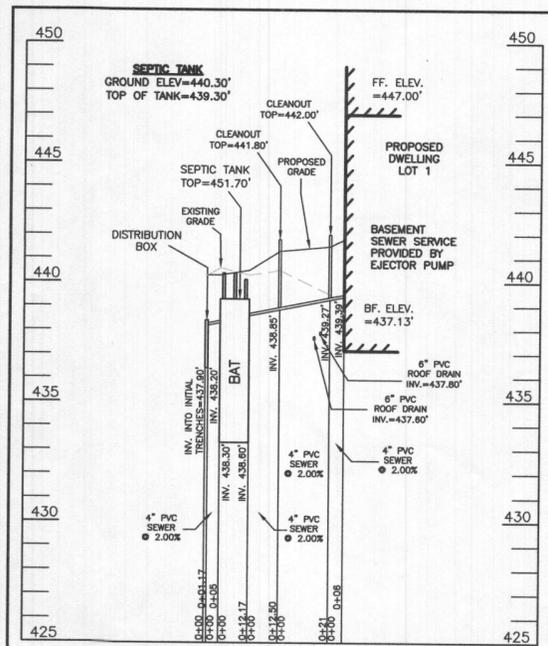


HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

- TWO CAR SIDE ENTRY GARAGE
- WALK-OUT BASEMENT
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SEPTIC SYSTEM PROFILE
 SCALE = HORIZONTAL: 1"=50'
 VERTICAL: 1"=5'

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM)

- PROPOSED INVERT AT FOUNDATION WALL: 439.39'
- EX. GRADE OVER TANK: 440.30'
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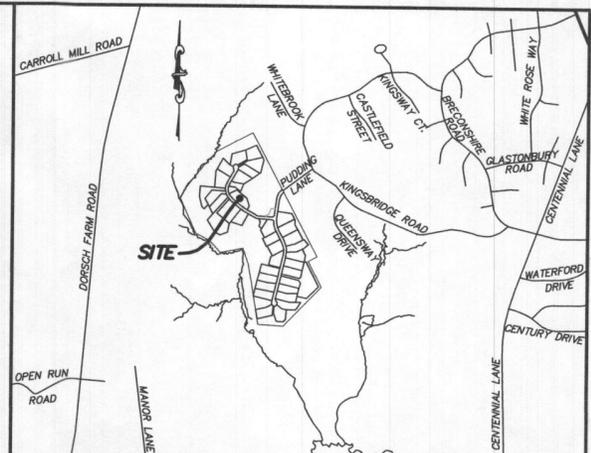
Approved Septic System Plan
 Howard County Health Department
 Dana Beard 12-6-22
 Signature Date



WELL LOCATION CERTIFICATION:

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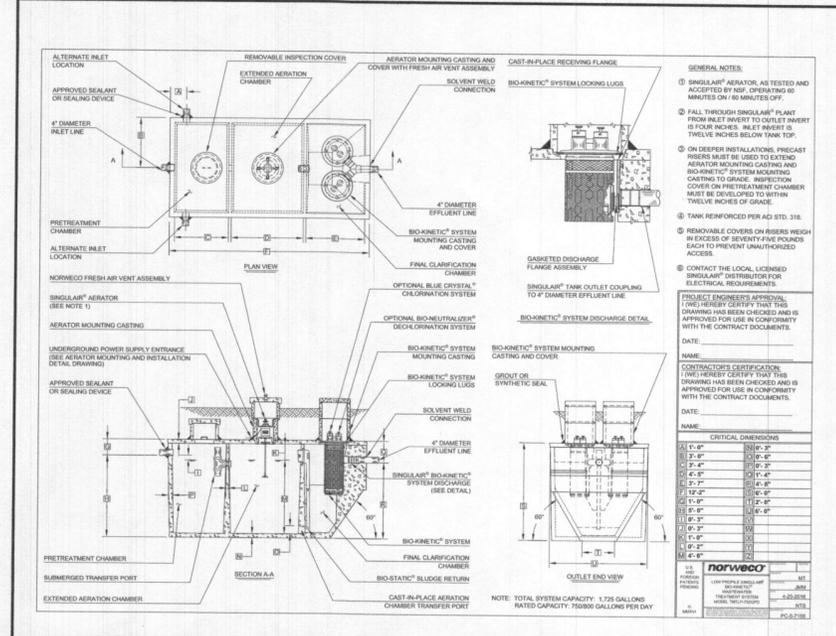
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 PLAT NO. 25766
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 HOWARD COUNTY, MARYLAND
 ADDRESS: 10606 REYNOLDS COURT
 ELLICOTT CITY, MARYLAND 21042



VICINITY MAP
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ESE CONSULTANTS
 ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

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

DATE: 11/13/2022 SCALE: 1" = 30' FILE: BAT LOT 1
 CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.

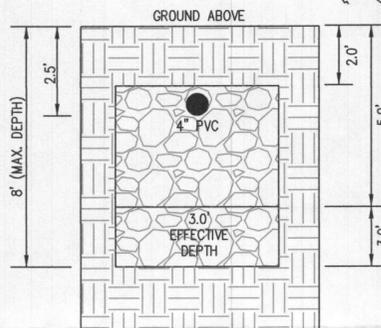
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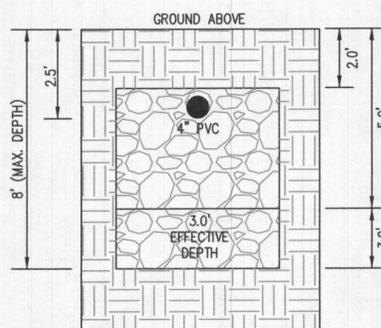
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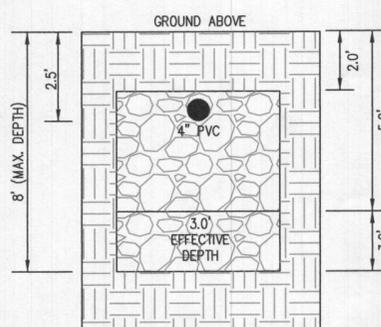
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INITIAL SYSTEM TRENCH DETAIL (T1) AND (T2) (NOT TO SCALE)



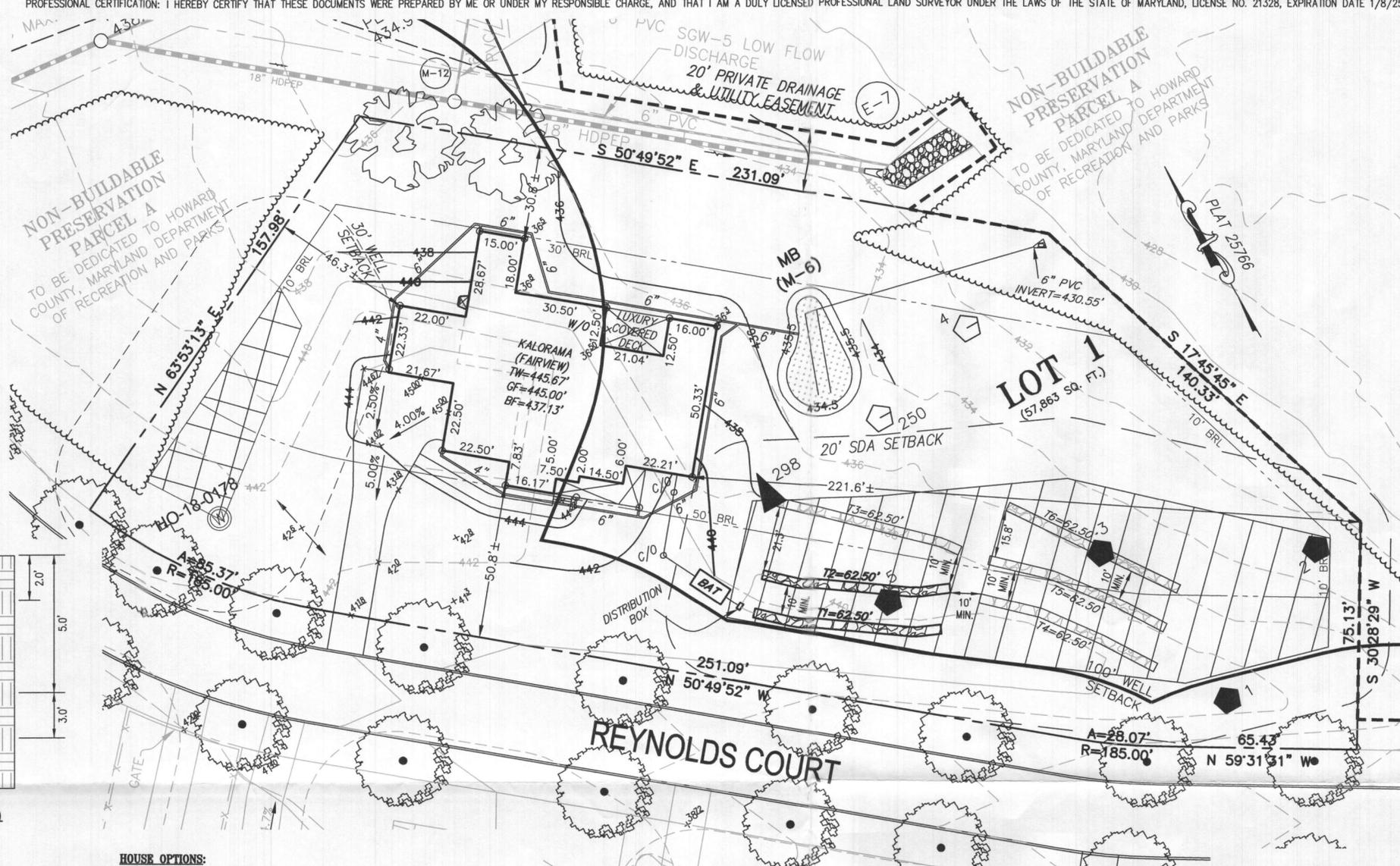
1ST REPLACEMENT SYSTEM TRENCH DETAIL (T3) AND (T4) (NOT TO SCALE)



2ND REPLACEMENT SYSTEM TRENCH DETAIL (T5) AND (T6) (NOT TO SCALE)

NON-BUILDABLE PRESERVATION PARCEL A TO BE DEDICATED TO HOWARD COUNTY, MARYLAND DEPARTMENT OF RECREATION AND PARKS

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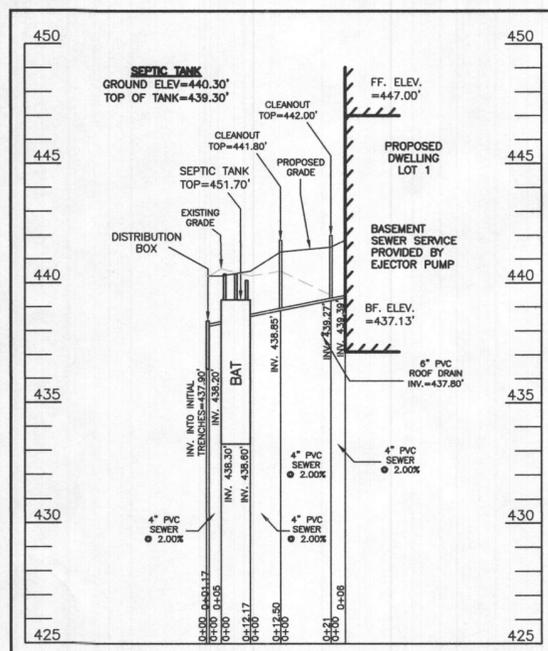


HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

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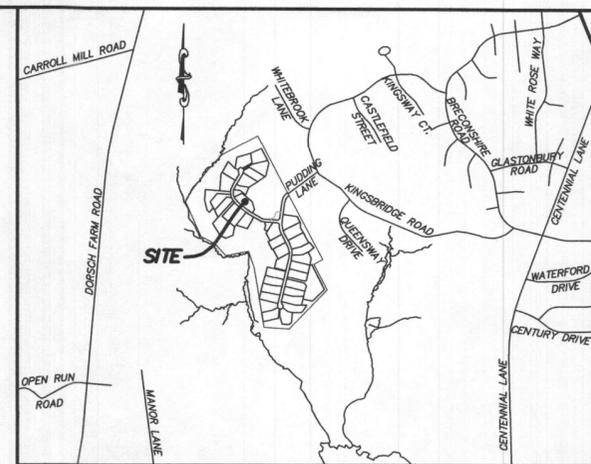
Approved Septic System Plan
 Howard County Health Department
 Signature: *[Signature]* Date: 6-27-23



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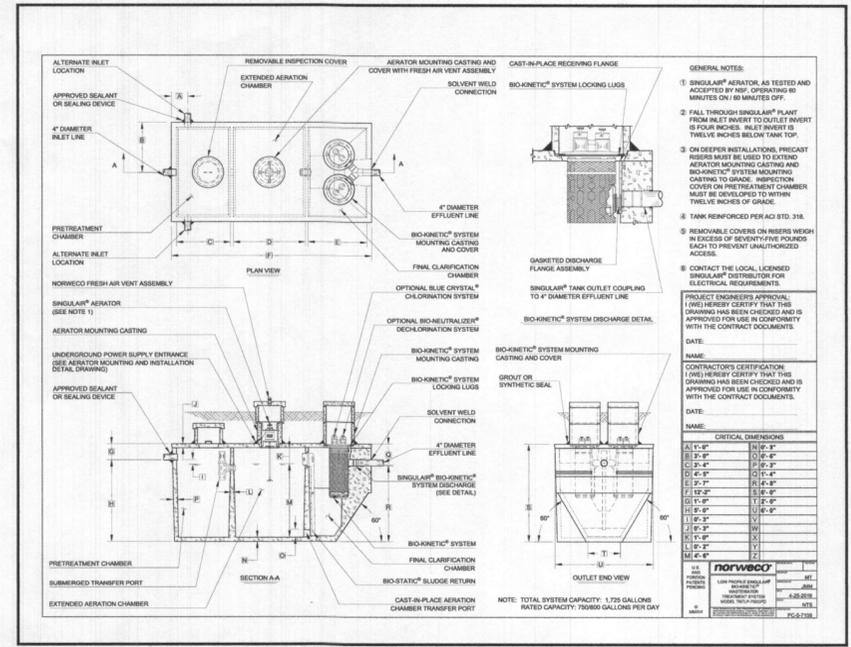
SITE PLAN FOR BAT INSTALLATION
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KINGS FOREST
 LIBER 20039, FOLIO 212
 PLAT NO. 25766
 ELECTION DISTRICT No. 2
 HOWARD COUNTY, MARYLAND
 ADDRESS: 10606 REYNOLDS COURT
 ELLICOTT CITY, MARYLAND 21042



VICINITY MAP 1" = 1000'

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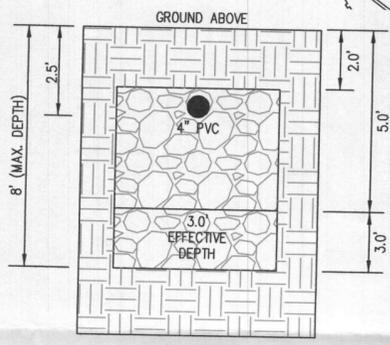
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DATE: 06/14/2023 SCALE: 1" = 30' FILE: BAT LOT 1
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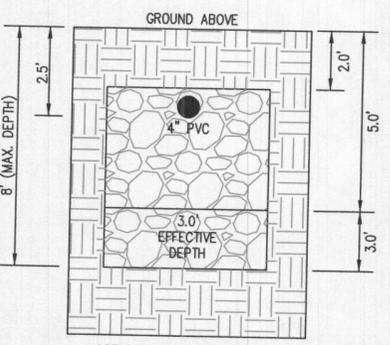
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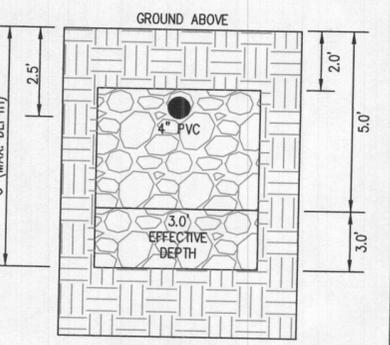
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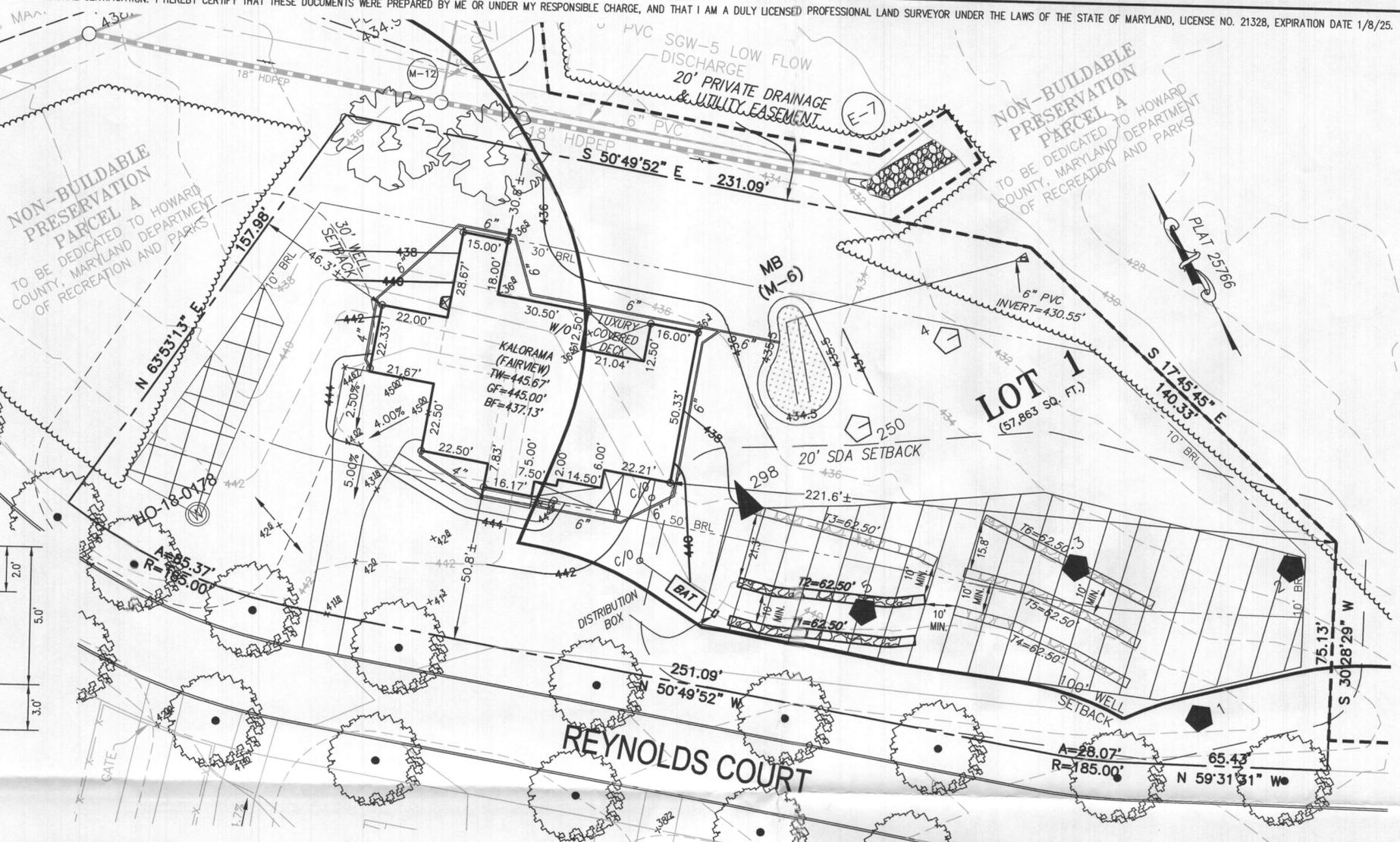
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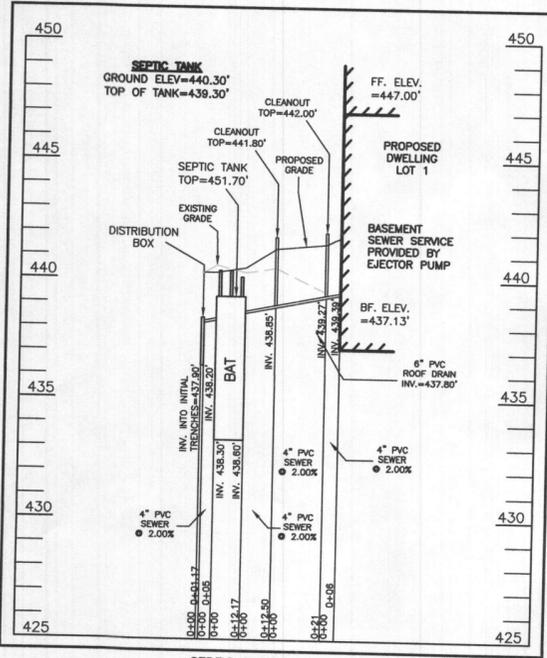


2ND REPLACEMENT SYSTEM TRENCH DETAIL (T5) AND (T6) (NOT TO SCALE)



HOUSE OPTIONS:

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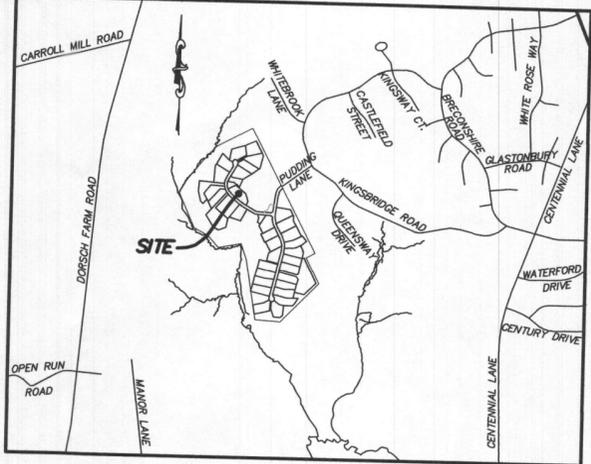
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 Howard County Health Department
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 Signature Date



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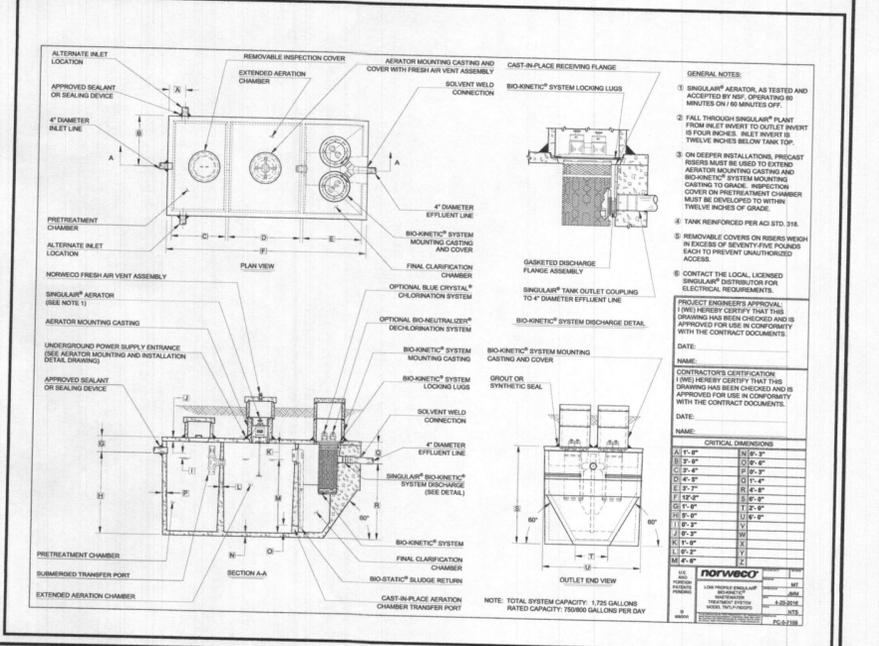
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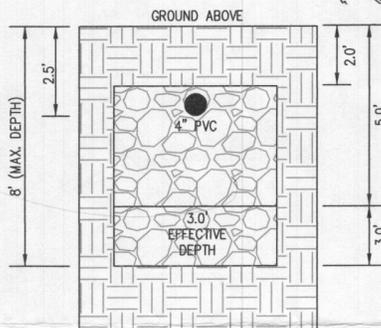
DATE: 06/14/2023 SCALE: 1" = 30' FILE: BAT LOT 1
 CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.

LEGEND:

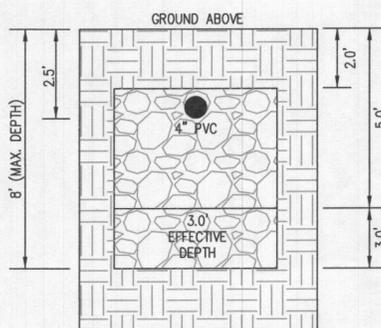
- BRL BUILDING RESTRICTION LINE
- T.W. WELL LOCATION
- G.F. GARAGE FLOOR
- B.F. BASEMENT FLOOR
- SCE STONE CONSTRUCTION ENTRANCE
- DW DRYWELL
- PA PASSED PERC LOCATION
- FA FAILED PERC LOCATION
- SEWAGE DISPOSAL AREA
- WELL BOX AREA
- PROPOSED TREE

INITIAL TRENCH DATA:

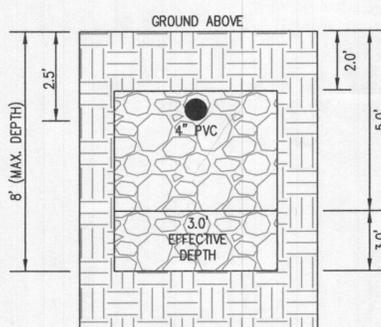
- BOTTOM MAX. DEPTH (8')
- TRENCH 1 (T1): 62.50 LF.**
 GROUND ABOVE = 440.30'
 INV. IN = 437.80'
 BOTTOM TRENCH = 432.30'
- TRENCH 2 (T2): 62.50 LF.**
 GROUND ABOVE = 439.50'
 INV. IN = 437.00'
 BOTTOM TRENCH = 431.50'



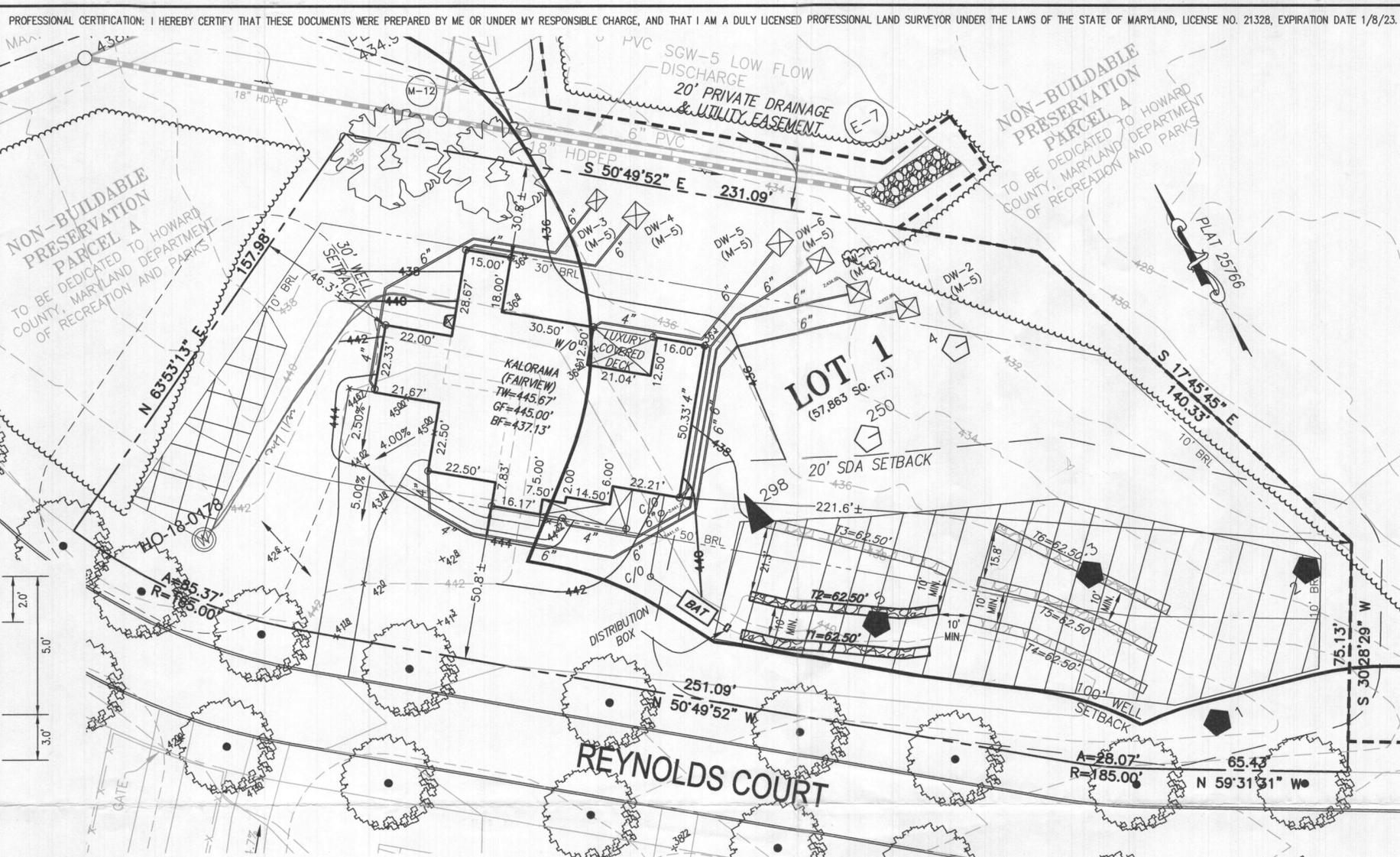
INITIAL SYSTEM
TRENCH DETAIL (T1) AND (T2)
(NOT TO SCALE)



1ST REPLACEMENT SYSTEM
TRENCH DETAIL (T3) AND (T4)
(NOT TO SCALE)



2ND REPLACEMENT SYSTEM
TRENCH DETAIL (T5) AND (T6)
(NOT TO SCALE)

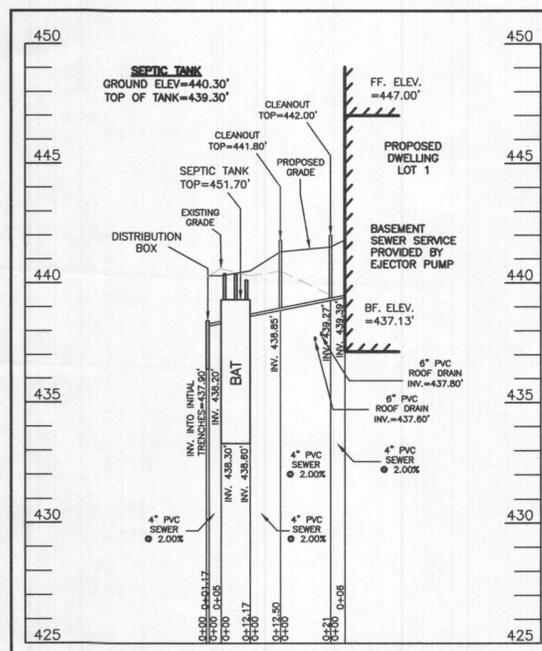


HOUSE OPTIONS:

HOUSE TYPE: KALORAMA (FAIRVIEW)

- TWO CAR SIDE ENTRY GARAGE
- WALK-OUT BASEMENT
- WET BAR ROUGH-IN
- ADDITIONAL TWO CAR FRONT ENTRY GARAGE
- WALK-OUT LUXURY COVERED DECK
- MULTI GEN SUITE ADDITION
- GRAND MULTI GEN SUITE ADDITION
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- FINISHED THIRD FLOOR
- DAYLIGHT WINDOW/WELL

- OPTION No. 012
- OPTION No. 017
- OPTION No. 048246
- OPTION No. 263019
- OPTION No. 263169
- OPTION No. 263073
- OPTION No. 263075
- OPTION No. 263111
- OPTION No. 263381
- OPTION No. 543



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

SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 439.39'
- EX. GRADE OVER TANK: 440.30'
PROPOSED GRADE OVER TANK: 440.30'
INVERT IN: 438.60' INVERT OUT: 438.30'
 - DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 440.30'
PROPOSED GRADE OVER TANK: 440.30'
INVERT IN: 438.20' INVERT OUT: 437.90'
 - INITIAL TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 1.2 APP. RATE = 750 SF
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
750 SF ÷ 3' WIDTH = 250 LF x 0.50 (SIDEWALL REDUCTION) = 125.00 LF MIN.
USE 2 62.50' LONG TRENCHES = 125.00 LF
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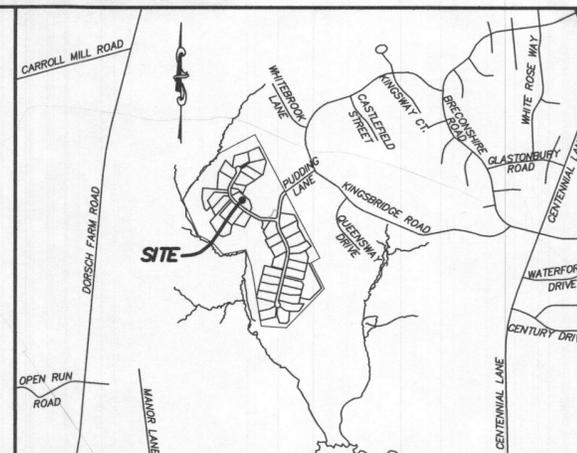
Approved Septic System
Howard County Health Department
Rena Bernard 12.6.22
Signature Date



WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 1 (TAG NO. H0-18-0178) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

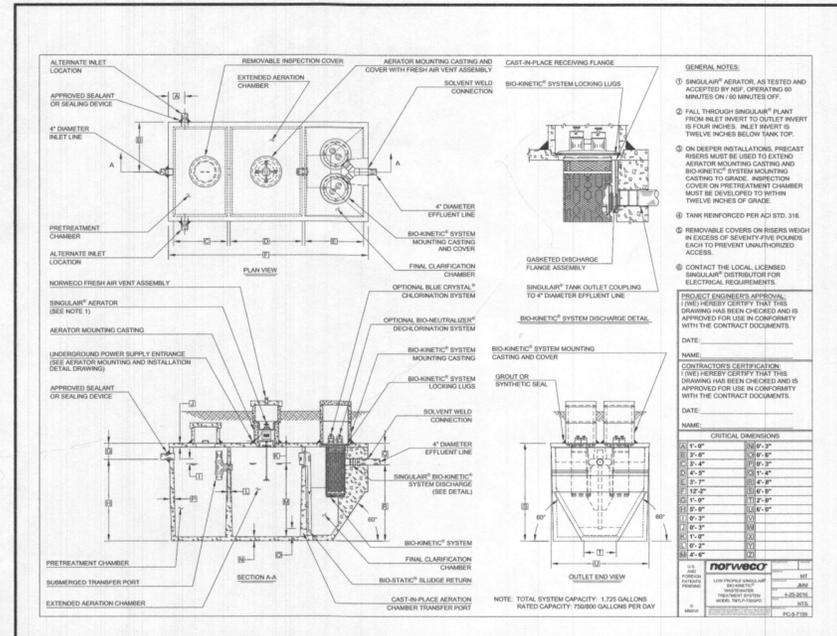
SITE PLAN FOR BAT INSTALLATION
LOT 1
KINGS FOREST
LIBER 20039, FOLIO 212
PLAT NO. 25766
ELECTION DISTRICT No. 2
HOWARD COUNTY, MARYLAND
ADDRESS: 10606 REYNOLDS COURT
ELLCOTT CITY, MARYLAND 21042



VICINITY MAP
1" = 1000'

GENERAL NOTES:

- 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. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- 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.
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- 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS THREE (3) FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE EXISTING TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS, 2' CONTOUR INTERVAL AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., IN FEBRUARY 2014.



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

DATE: 11/13/2022 SCALE: 1" = 30' FILE: BAT LOT 1
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.

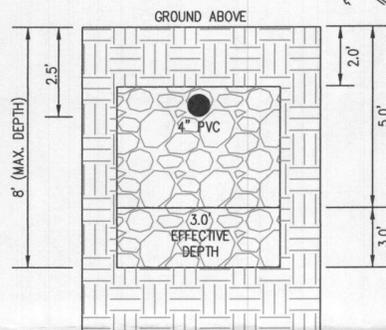
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.

LEGEND:

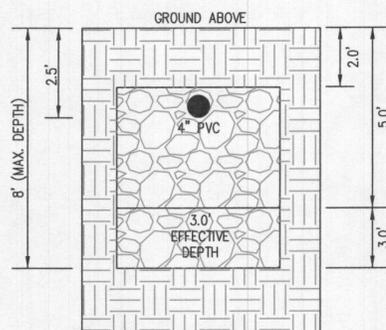
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- T.W. WELL LOCATION
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- B.F. BASEMENT FLOOR
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- PA PASSED PERC LOCATION
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INITIAL TRENCH DATA

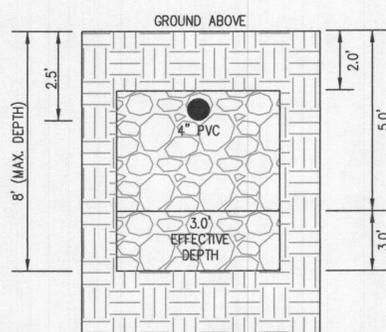
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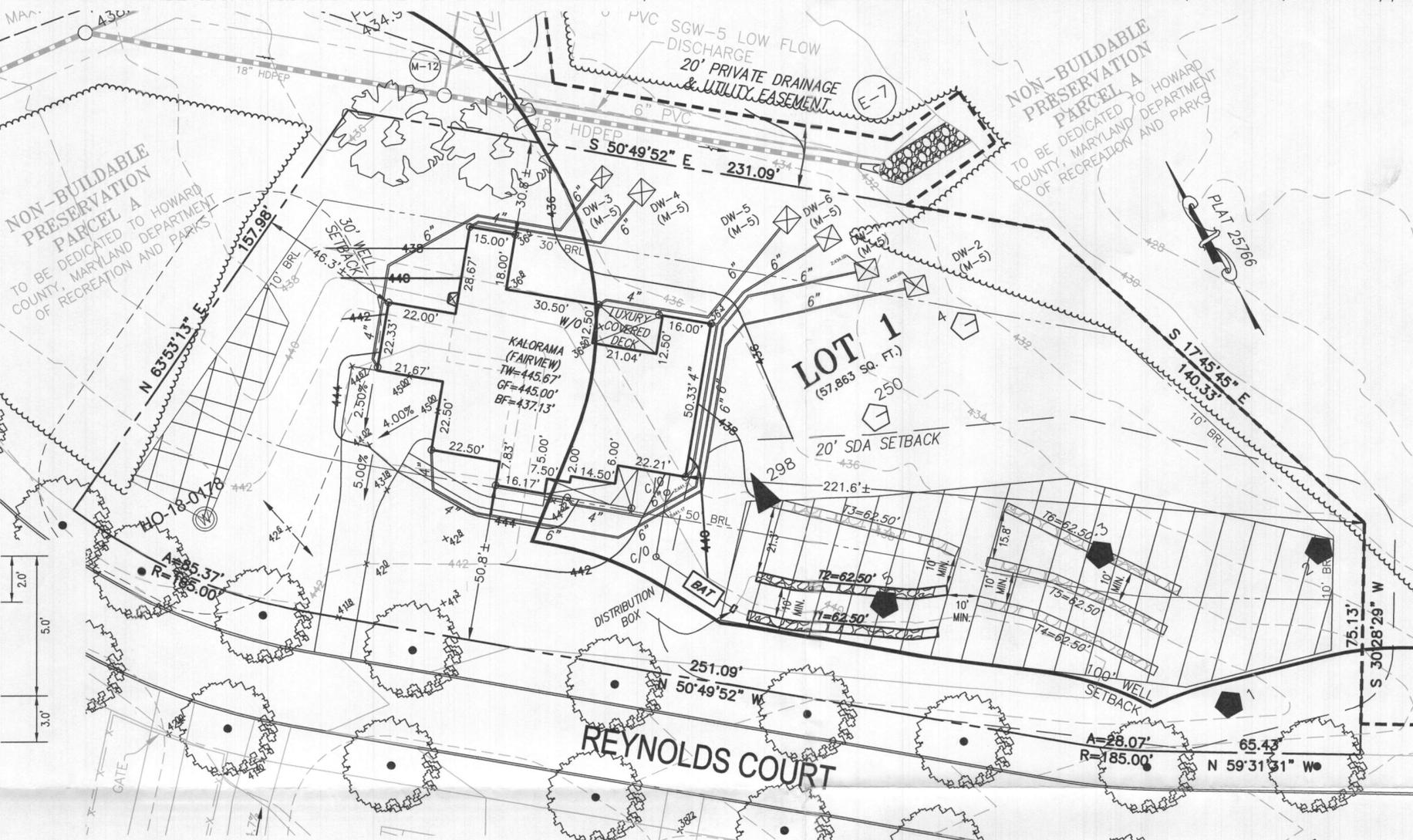
INITIAL SYSTEM TRENCH DETAIL (T1) AND (T2) (NOT TO SCALE)



1ST REPLACEMENT SYSTEM TRENCH DETAIL (T3) AND (T4) (NOT TO SCALE)



2ND REPLACEMENT SYSTEM TRENCH DETAIL (T5) AND (T6) (NOT TO SCALE)

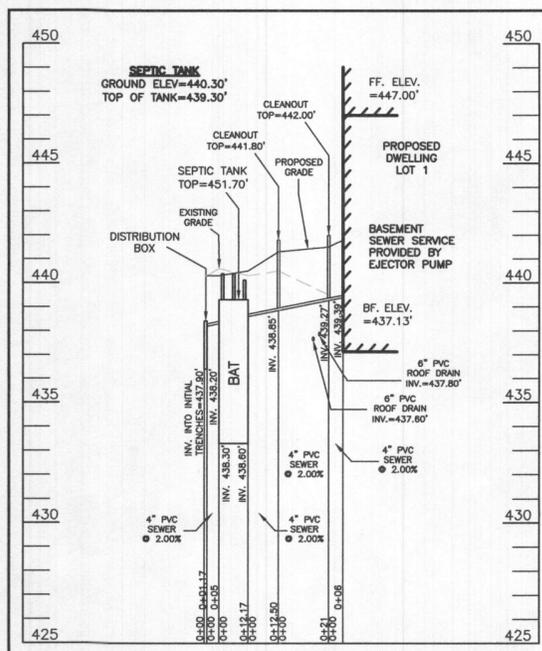


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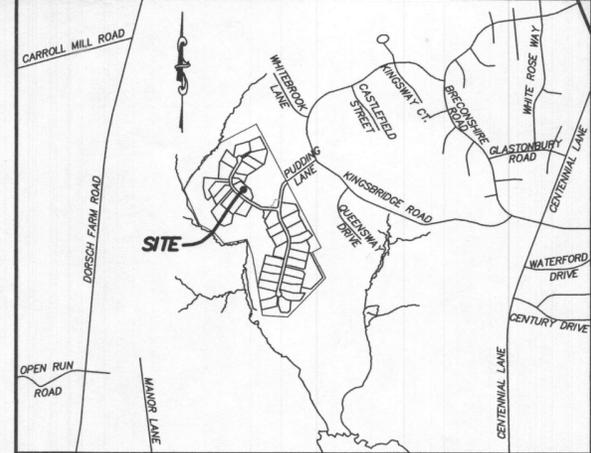
Signature: D. Berard
Date: 12-6-22



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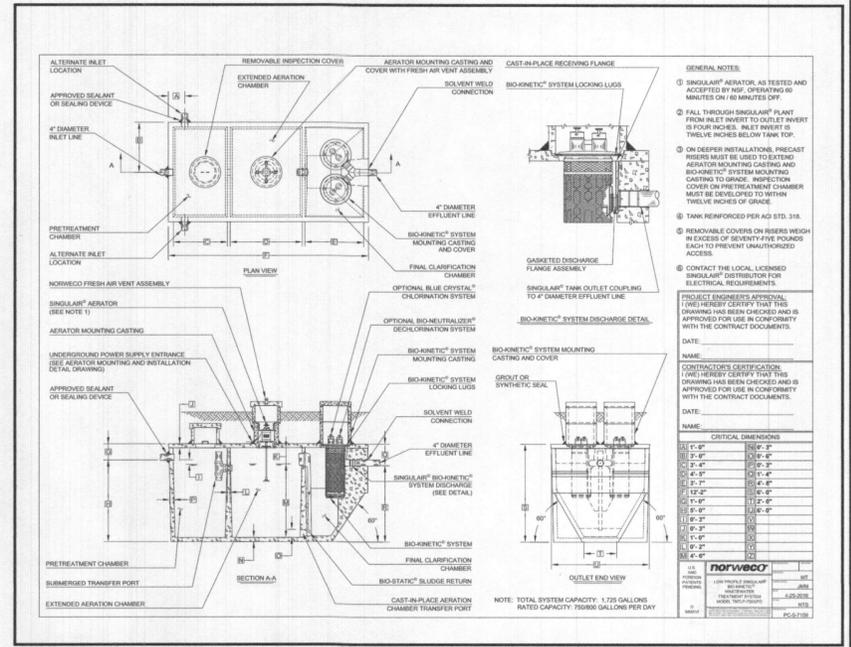
SITE PLAN FOR BAT INSTALLATION
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DATE: 11/13/2022 SCALE: 1" = 30' FILE: BAT LOT 1
CHK'D: M.J.B. JOB NO: 3502 DRAWN: R.C.K.