
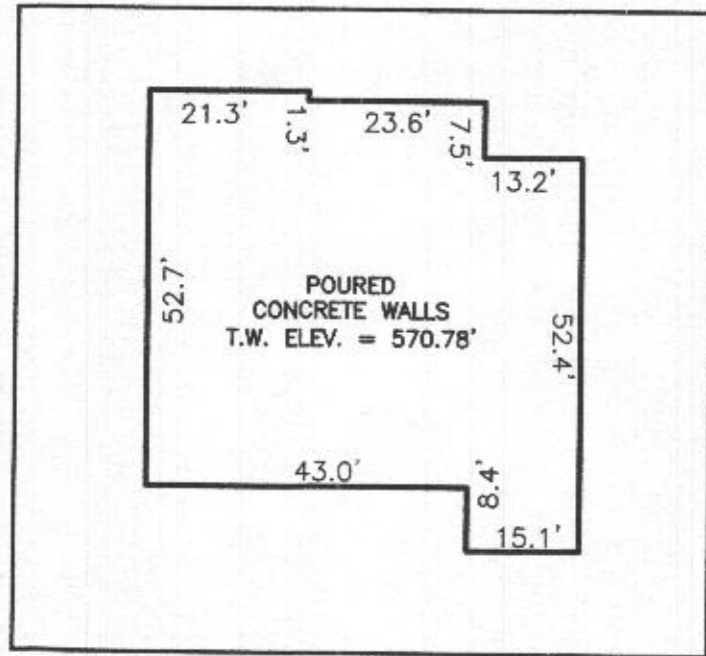


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/23.

LEGEND:

BRL BUILDING RESTRICTION LINE
 (W) WELL LOCATION
 T.W. TOP OF WALL
 ELEV. ELEVATION

 SEPTIC RESERVE AREA



HOUSE ENLARGEMENT
NOT TO SCALE


WELL NUMBER: HO-17-0130
 ADDRESS: 15613 LINDEN GROVE LANE
 WOODBINE, MD 21797
 PERMIT NO.: B21000049

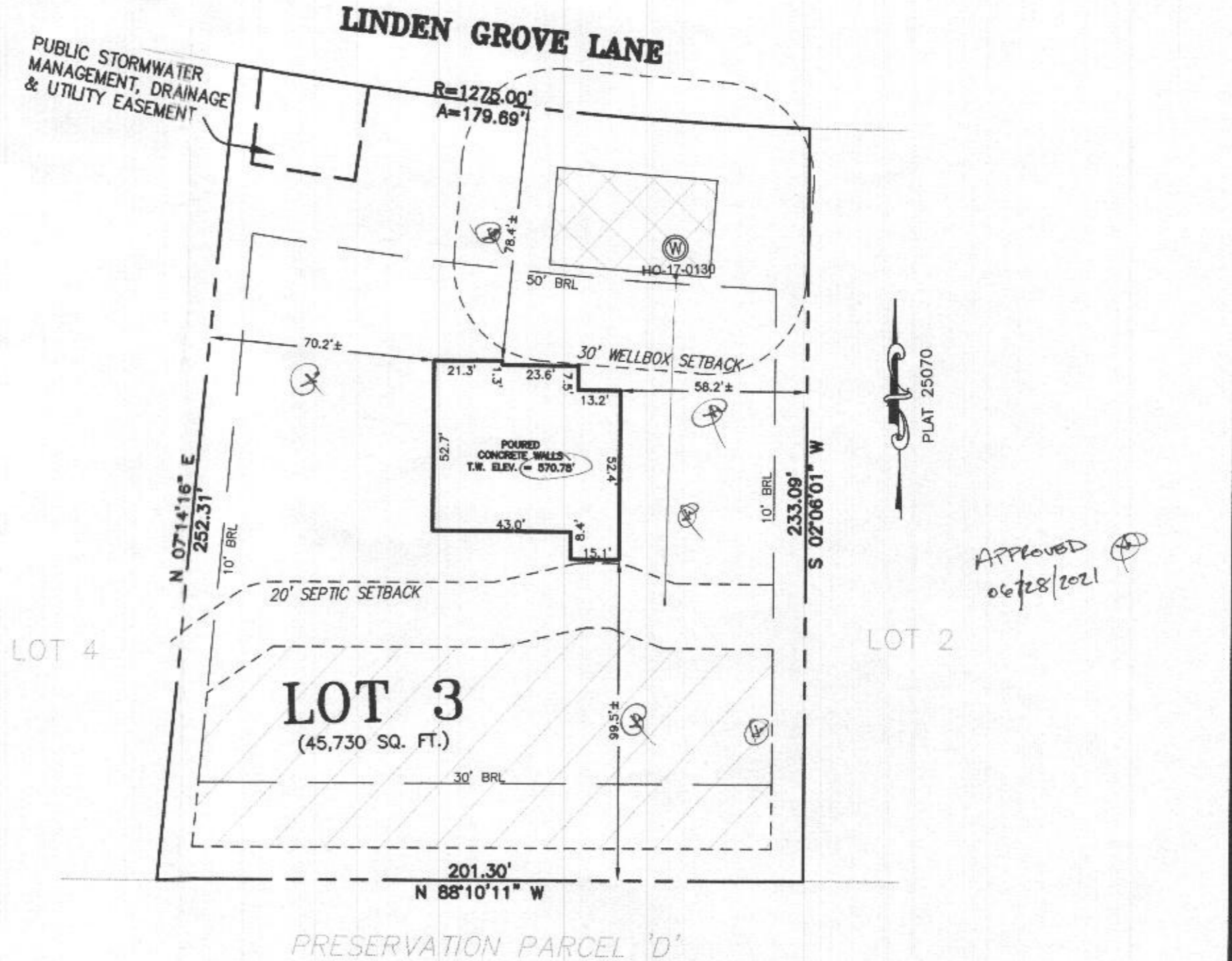
BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN
 SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

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.

 21328 5/04/21
 SIGNATURE: MICHAEL JOE BOYCE MD. LIC. NO. DATE



APPROVED
06/28/2021

WALLCHECK
 LOT 3
LINDEN GROVE
 LIBER 19209, FOLIO 403
 PLAT NO. 25070
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

ESE CONSULTANTS

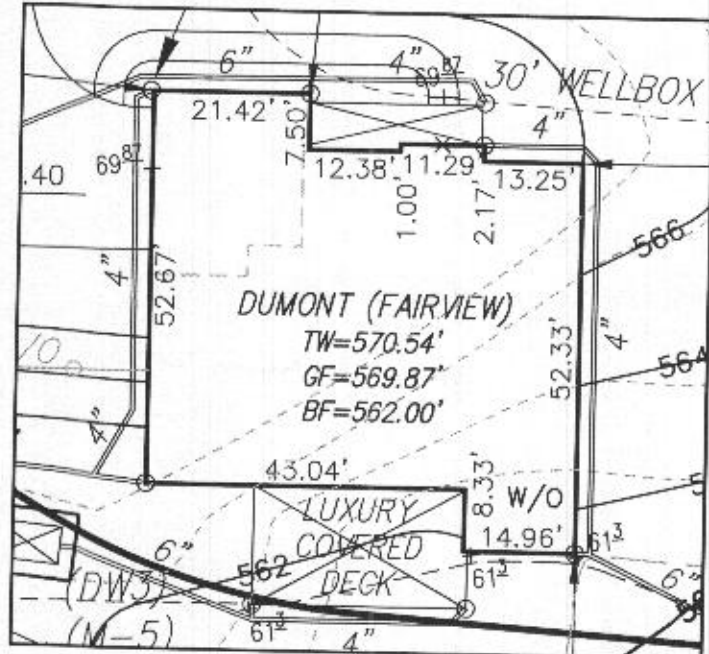
ENGINEERING • PLANNING • SURVEYING • ENVIRONMENT
 ESE Consultants, Inc.
 7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
 T: 410-872-9105

DATE: 05/04/2021 SCALE: 1" = 40' FILE: WC LOT 3
 CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P.

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. 2132B, EXPIRATION DATE 1/8/23.

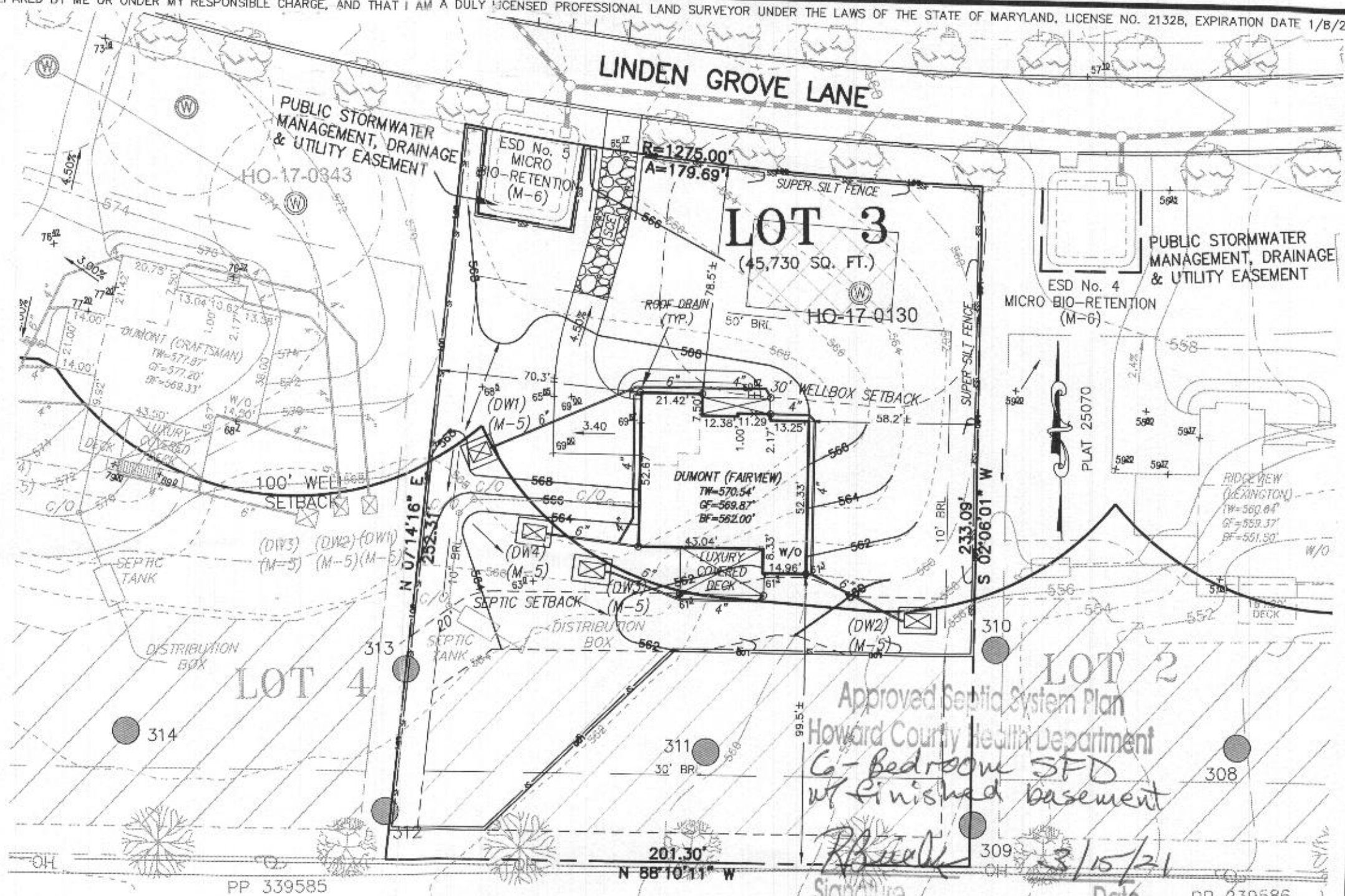
- LEGEND:**
- BRL BUILDING RESTRICTION LINE
 - W WELL LOCATION
 - T.W. TOP OF WALL
 - G.F. GARAGE FLOOR
 - B.F. BASEMENT FLOOR
 - PASSED PERC LOCATION
 - FAILED PERC LOCATION
 - LIMITS OF DISTURBANCE
 - SILT FENCE
 - SUPER SILTFENCE
 - SCE STONE CONSTRUCTION ENTRANCE
 - ▨ SEPTIC RESERVE AREA
 - ▩ WELL BOX AREA
 - PROPOSED TREE
 - PROPOSED TREE
 - PROPOSED TREE

NOTE:
TOTAL LIMITS OF DISTURBANCE (LOD) = 34,371 SQ. FT.



WELL NUMBER: HO-17-0130
ADDRESS: 15613 LINDEN GROVE LANE
WOODBINE, MD 21797

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



Signature: *R. B. ...*
Date: 3/15/21
B21000049



- HOUSE TYPE: DUMONT (FAIRVIEW)
- TWO CAR SIDE ENTRY GARAGE CONFIGURATION
 - FINISHED LOWER LEVEL
 - WALK-OUT BASEMENT
 - ADD'L 1' TO BSMT FOUNDATION WALLS
 - MULTI-GENERATIONAL SUITE ADDITION
 - OPTIONAL DROP ZONE
 - WALK-OUT LUXURY COVERED DECK
 - OPTIONAL BATH FOR FINISHED LOWER LEVEL
 - LUXURY OUTDOOR LIVING SPACE
 - GAS BURNING FIREPLACE
 - ADDITIONAL SINGLE WINDOW
 - FUTURE GYM AREA TO BE FRAMED IN THE FINISHED LOWER LEVEL WITH DOUBLE GLASS FRENCH DOORS
 - ADD WET BAR ROUGH IN
- OPTION No. 012
 - OPTION No. 013
 - OPTION No. 017
 - OPTION No. 070
 - OPTION No. 263073
 - OPTION No. 263081
 - OPTION No. 263169
 - OPTION No. 383
 - OPTION No. 106012
 - OPTION No. 187
 - OPTIONAL No. 90003007
 - OPTIONAL No. 90003010

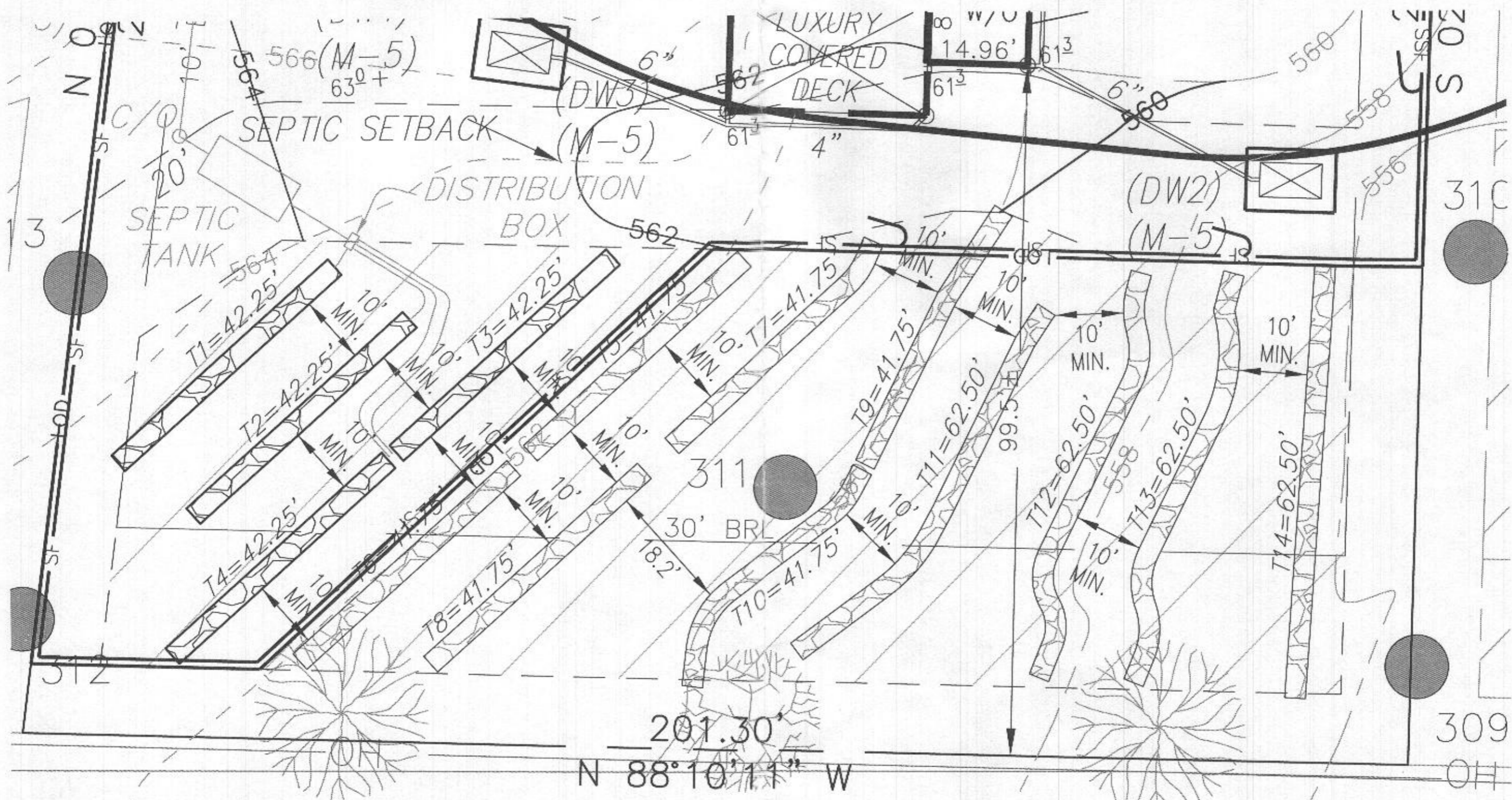
PLOT PLAN
LOT 3
LINDEN GROVE
LIBER 19209, FOLIO 403
PLAT NO. 25070
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND

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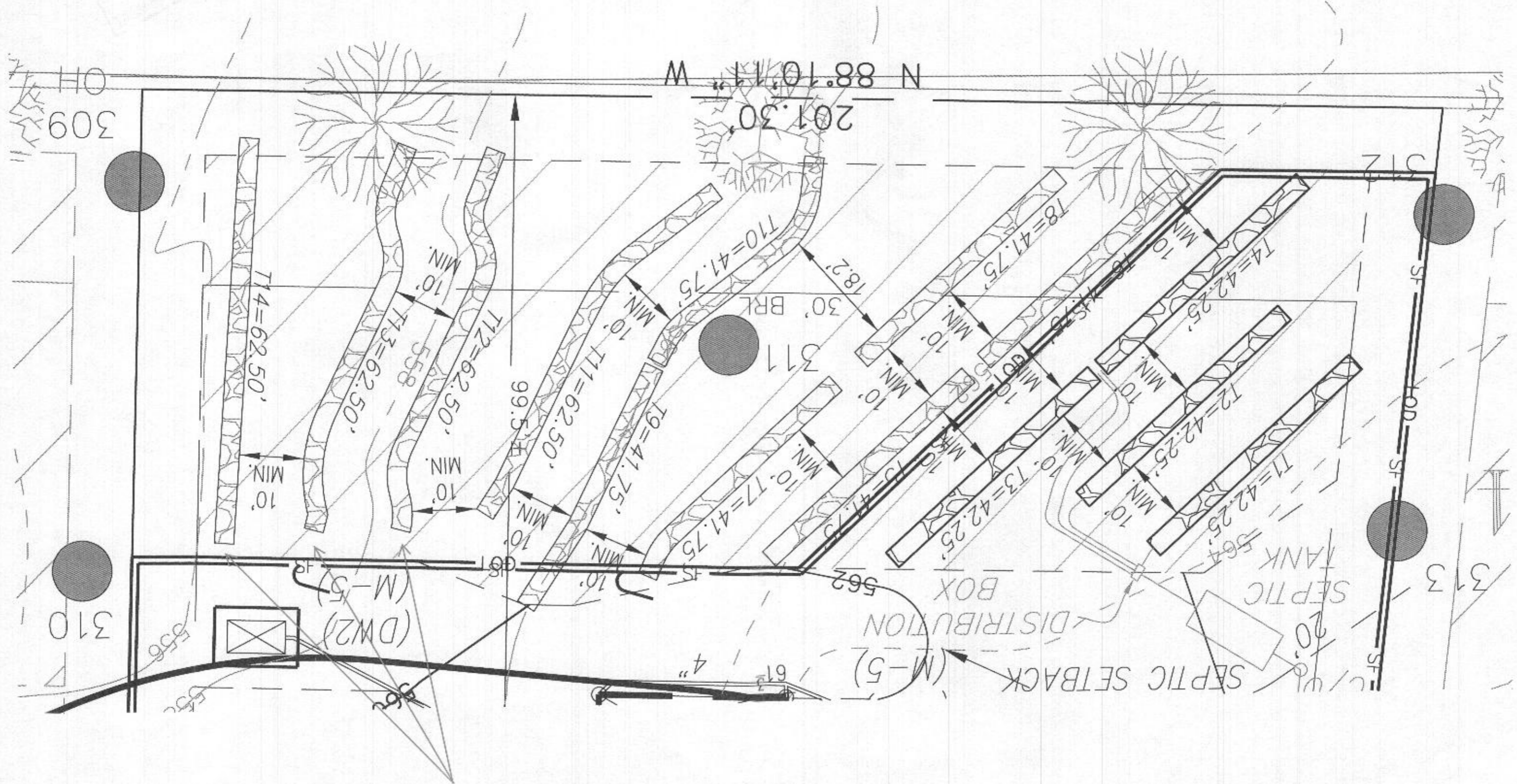
ESE Consultants, Inc.
7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-872-9105

DATE: 12/20/2020 SCALE: 1" = 40' FILE: PP LOT 3 - DUMONT FAIRVIEW
CHK'D: M.J.B. JOB NO: 4683 DRAWN: V.X.P. / R.C.K.

Dec 27, 2020 - 1:32 am K:\Projects\Maryland\4683 Linden Grove\Surf\Lot 3\Plot Plans\201110 - Dumont Fairview\4683 PP Lot 3 - Dumont Fairview.dwg (R)ENR



SCALE 1" = 15'



LAST 3 TRENCHES IN THE 2ND REPLACEMENT HAVE BEEN SHIFTED TO THE SOUTH 3' +/- AWAY FROM THE PROPOSED DRYWELL 2 PER EMAIL DISCUSSION WITH JEFF WILLIAMS.

OH

309

N 88°10'11" W

201.30'

310

(DM2)

(M-5)

(M-5)

SEPTIC SETBACK

DISTRIBUTION BOX

SEPTIC TANK

313

SF

20'

SF

100'

SF

C12

201.30'

HOUSE OPTIONS:

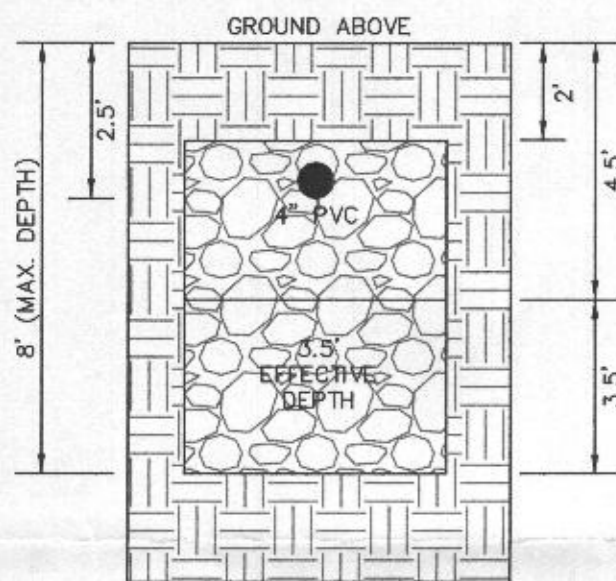
HOUSE TYPE: DUMONT (FAIRVIEW)

- TWO CAR SIDE ENTRY GARAGE CONFIGURATION
- FINISHED LOWER LEVEL
- WALK-OUT BASEMENT
- ADD'L 1' TO BSMT FOUNDATION WALLS
- MULTI-GENERATIONAL SUITE ADDITION
- OPTIONAL DROP ZONE
- WALK-OUT LUXURY COVERED DECK
- OPTIONAL BATH FOR FINISHED LOWER LEVEL
- LUXURY OUTDOOR LIVING SPACE
- GAS BURNING FIREPLACE
- ADDITIONAL SINGLE WINDOW
- FUTURE GYM AREA TO BE FRAMED IN THE FINISHED LOWER LEVEL WITH DOUBLE GLASS FRENCH DOORS
- ADD WET BAR ROUGH IN

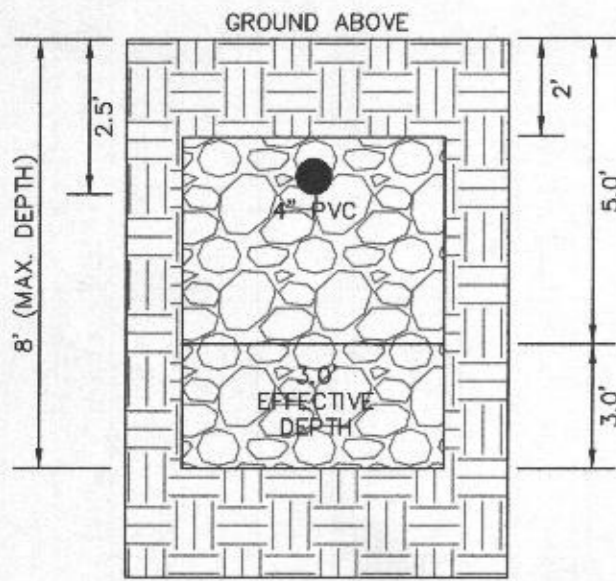
- OPTION NO. 012
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- OPTION NO. 017
- OPTION NO. 070
- OPTION NO. 263073
- OPTION NO. 263081
- OPTION NO. 263169
- OPTION NO. 383
- OPTION NO. 106012
- OPTION NO. 187
- OPTIONAL NO. 90003007
- OPTIONAL NO. 90003010

INITIAL TRENCH DATA:

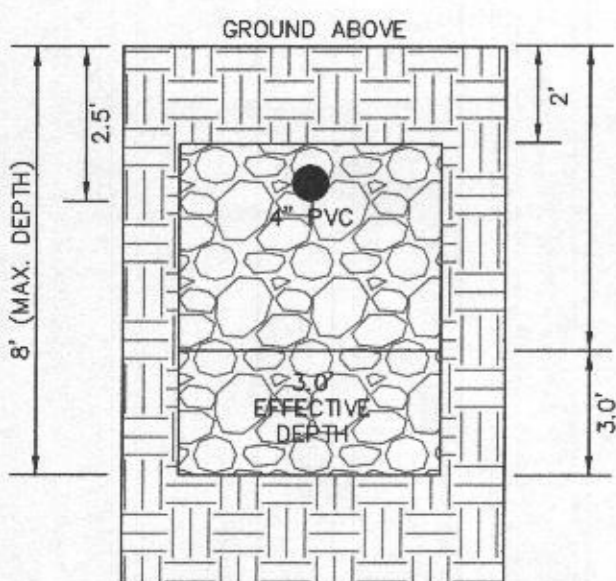
- BOTTOM MAX. DEPTH (8')
- TRENCH 1 (T1): 42.25 LF.**
GROUND ABOVE = 563.65'
INV. IN = 561.15'
BOTTOM TRENCH = 555.65'
- TRENCH 2 (T2): 42.25 LF.**
GROUND ABOVE = 563.10'
INV. IN = 560.60'
BOTTOM TRENCH = 555.10'
- TRENCH 3 (T3): 42.25 LF.**
GROUND ABOVE = 562.50'
INV. IN = 560.00'
BOTTOM TRENCH = 554.50'
- TRENCH 4 (T4): 42.25 LF.**
GROUND ABOVE = 562.50'
INV. IN = 560.00'
BOTTOM TRENCH = 554.50'



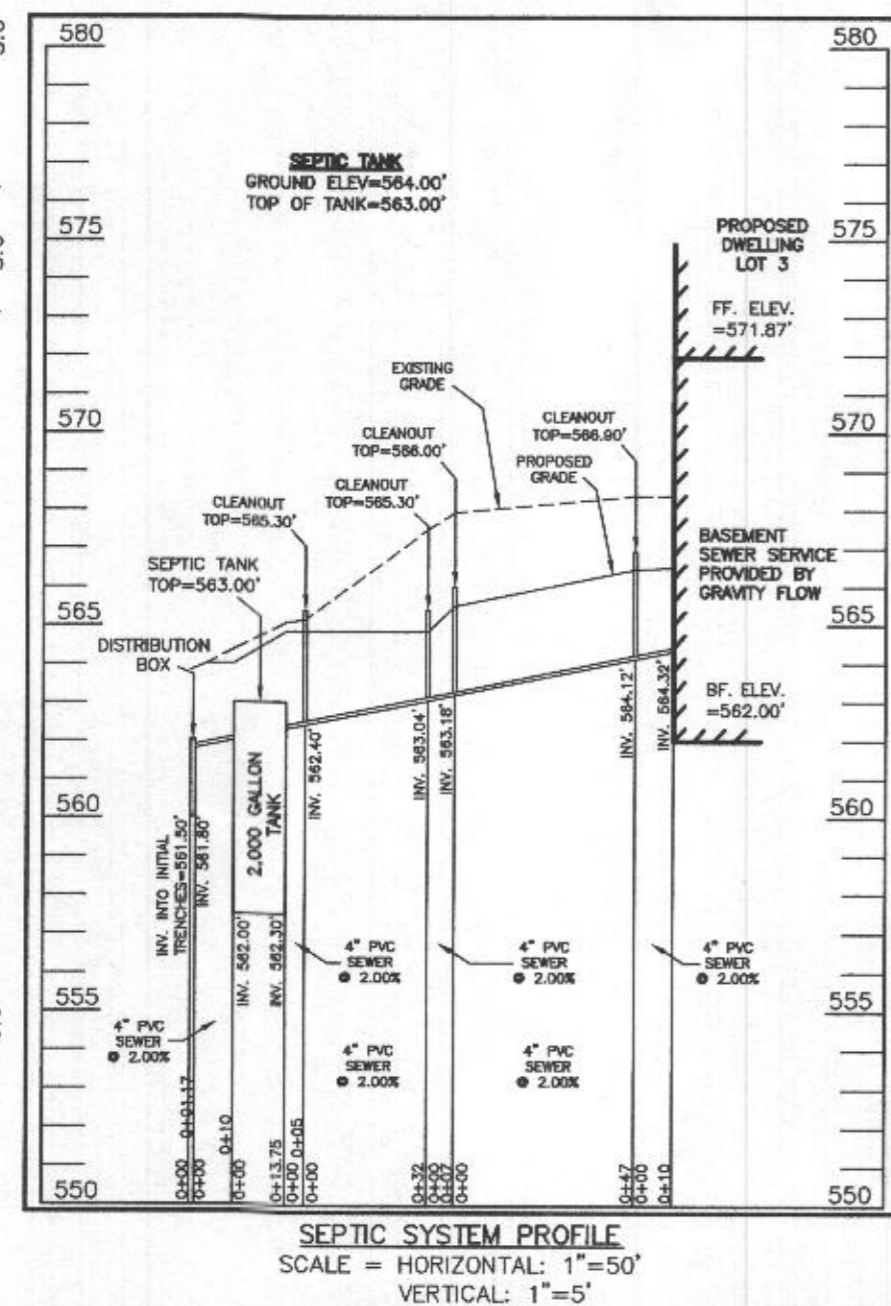
INITIAL SYSTEM TRENCH DETAIL (T1) THRU (T4) (NOT TO SCALE)



1ST REPLACEMENT SYSTEM TRENCH DETAIL (T5) THRU (T10) (NOT TO SCALE)



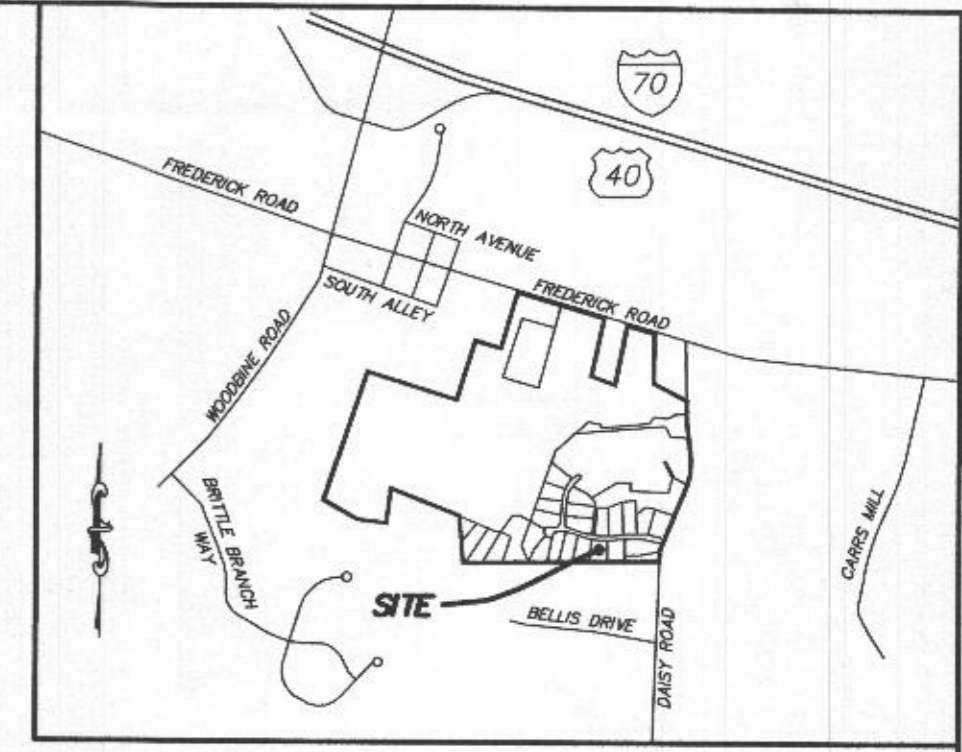
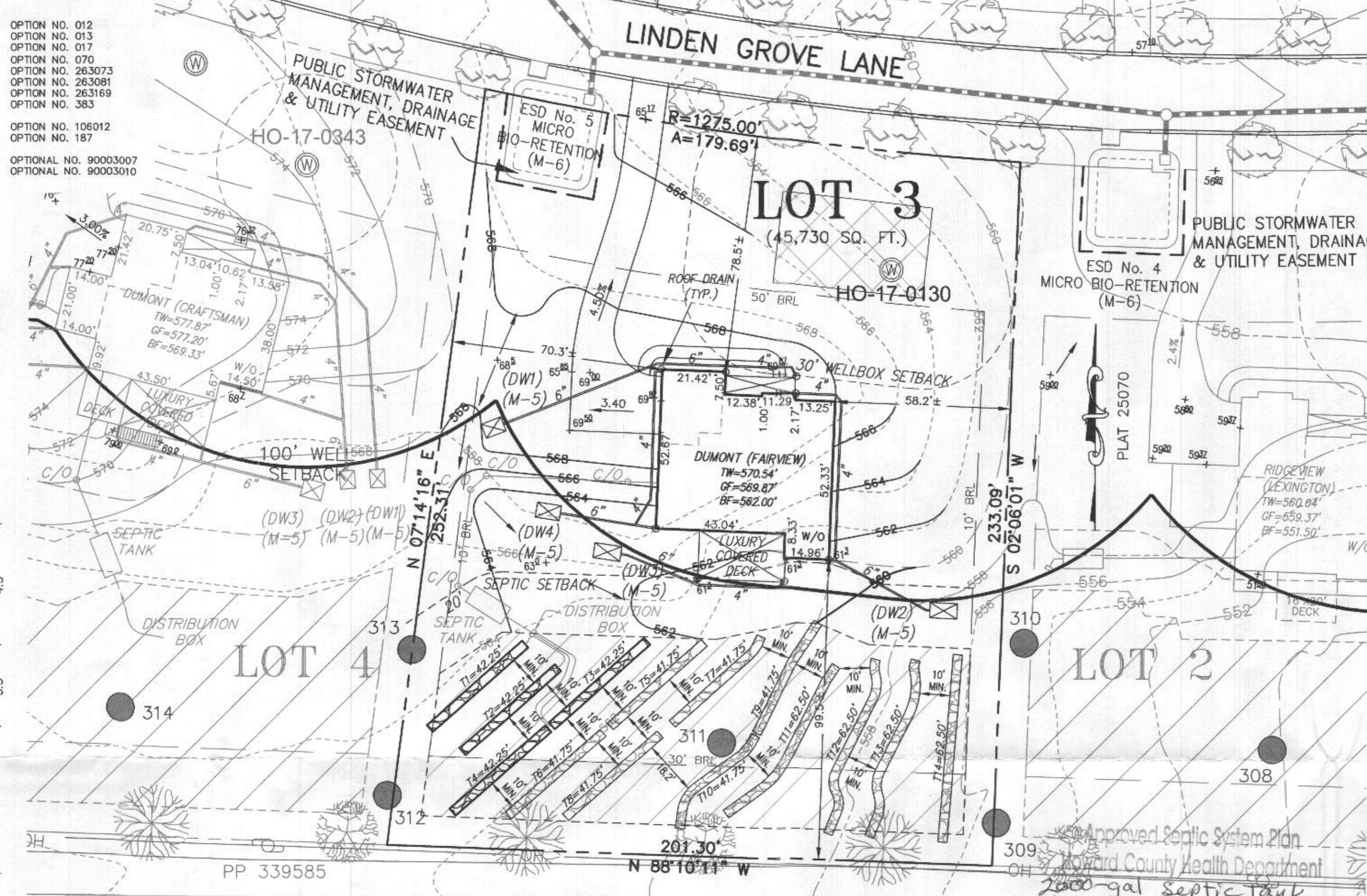
2ND REPLACEMENT SYSTEM TRENCH DETAIL (T11) THRU (T14) (NOT TO SCALE)



SEWAGE DISPOSAL SYSTEM DATA (6 BDRM):

- PROPOSED INVERT AT FOUNDATION WALL: 564.32'
- 1. EX. GRADE OVER TANK: 564.40'
PROPOSED GRADE OVER TANK: 564.00'
INVERT IN: 562.30' INVERT OUT: 562.00'
- 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 563.80'
PROPOSED GRADE OVER TANK: 563.80'
INVERT IN: 561.80' INVERT OUT: 561.50'
- 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 66" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
1,125 SF ÷ 3' WIDTH = 375 LF x 0.45 (SIDEWALL REDUCTION) = 168.75 LF MIN.
USE 4 42.25' LONG TRENCHES = 169 LF
- 4. 1ST REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.6 APP. RATE = 1,500 SF
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
1,500 SF ÷ 3' WIDTH = 500 LF x 0.50 (SIDEWALL REDUCTION) = 250 LF MIN.
USE 6 41.75' LONG TRENCHES = 250.50 LF
- 5. 2ND REPLACEMENT TRENCH DESIGN (6 BDRM x 150 GPD/BDRM = 900 GPD)
900 GPD ÷ 0.6 APP. RATE = 1,500 SF
USE 3' WIDE TRENCH WITH 66" GRAVEL BELOW PIPE
10' MIN. SPACING BETWEEN TRENCH EDGES
1,500 SF ÷ 3' WIDTH = 500 LF x 0.50 (SIDEWALL REDUCTION) = 250 LF MIN.
USE 4 62.50' LONG TRENCHES = 250 LF

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" = 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 UNTO 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.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
 - 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 FISHER, COLLINS AND CARTER, INC.

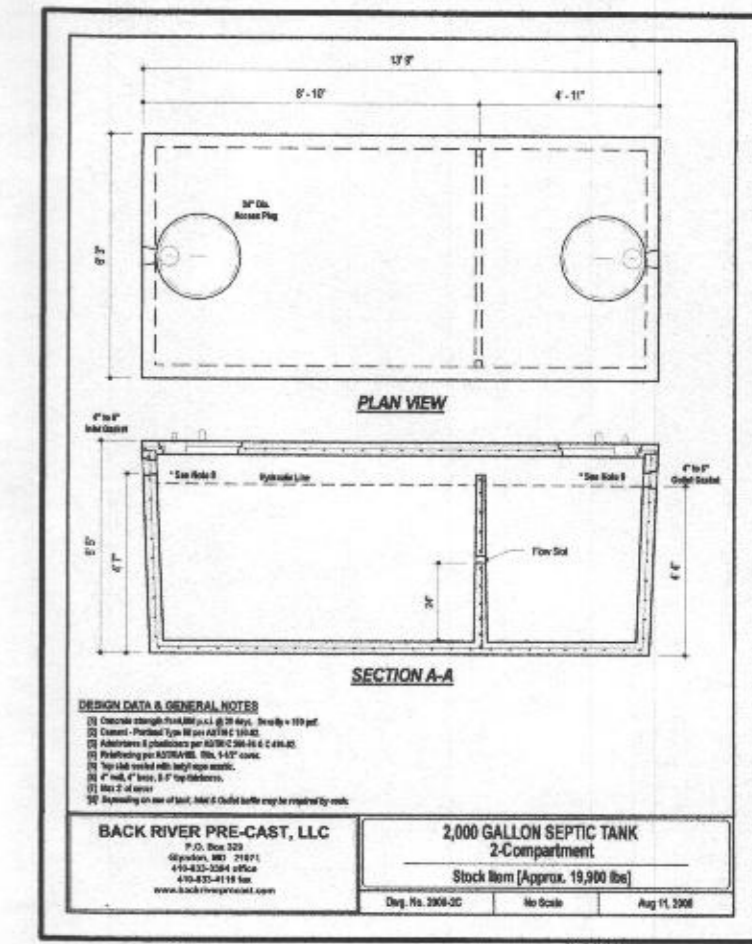


- LEGEND:**
- BRL BUILDING RESTRICTION LINE
 - W WELL LOCATION
 - T.W. TOP OF WALL
 - G.F. GARAGE FLOOR
 - B.F. BASEMENT FLOOR
 - PASSED PERC LOCATION
 - FAILED PERC LOCATION
 - SEPTIC RESERVE AREA
 - WELL BOX AREA
 - PROPOSED TREE
 - PROPOSED TREE

WELL LOCATION CERTIFICATION:

THE EXISTING WELL SHOWN FOR LOT 3 (TAG NO. HO-17-0130) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 3
LINDEN GROVE
LIBER 19209, FOLIO 403
PLAT NO. 25070
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND
ADDRESS: 15613 LINDEN GROVE LANE
WOODBINE, MARYLAND 21797



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ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

ESE Consultants, Inc.
764 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-672-9105

DATE: 02/24/2021 SCALE: 1" = 30' FILE: OSDS LOT 3_rev1
CHK'D: M.J.B JOB NO: 4683 DRAWN: R.C.K