



Howard County
Health Department

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: 4/16/15

ONSITE SEWAGE DISPOSAL SYSTEM

P P555814-C

INSTALLATION
APPROVAL DATE: _____

PERMIT CONSTRUCTION

A _____

PROPERTY ADDRESS: 14920 Victory Lane

SUBDIVISION: Meriwether Farm

LOT: 8

TAX ID: _____

CONTRACTOR: Fogle's Septic Clean Inc.

EMAIL: kevin@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784

PHONE: 410-795-5670

PROPERTY OWNER: Toll Brothers Inc.

EMAIL: _____

OWNER ADDRESS: 14881 Meriwether Drive, Glenelg, MD 21737

PHONE: 301-418-1923

BAT UNIT MODEL: Norweco TNTLP-500

PUMP SIZE: _____

PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY ☒

LOW PRESSURE DOSED ☐

NUMBER OF BEDROOMS: 5

TRENCHES:	LINEAR FEET REQUIRED: <u>131.25LF 250'</u>	INLET DEPTH: <u>3 4</u>
	TRENCH WIDTH: <u>3 2</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10 9'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4 4.5</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:	Install BAT unit using 3 44' trenches. Stone: $original = 5.5' \times 3' \times 131.25' = 2166 ft^3 / 27 = 80.2 yd^3 \times 1.5 = 121 tons \rightarrow 5.5 tandems$ $new = 4.5' \times 2' \times 250' = 2250 ft^3 / 27 = 83 yd^3 \times 1.5 = 125 tons \rightarrow 5.7 tandems (6 loads)$	

ISSUED BY: Hank Oswald

ISSUE DATE: 4/29/15

EXPIRATION DATE: 4/29/16

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 DOWNGRADE 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

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 separate sheet
for as built drawing

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

NUMBER OF TRENCHES _____
TOTAL LENGTH _____
ABSORPTION AREA _____
DISTRIBUTION BOX LEVEL _____
DISTRIBUTION BOX BAFFLE _____
DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL YES

MANUFACTURER BACKRIVER

CAPACITY 1300 GAL

SEAM LOC TOP

TANK LID DEPTH 3'

BAFFLES NO

BAFFLE FILTER NO

MANHOLE LOC FRONT, MID + REAR

6" PORT LOC NONE

WATERTIGHT TEST NO

SLOTTED NO

DATE ON LID NONE

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:

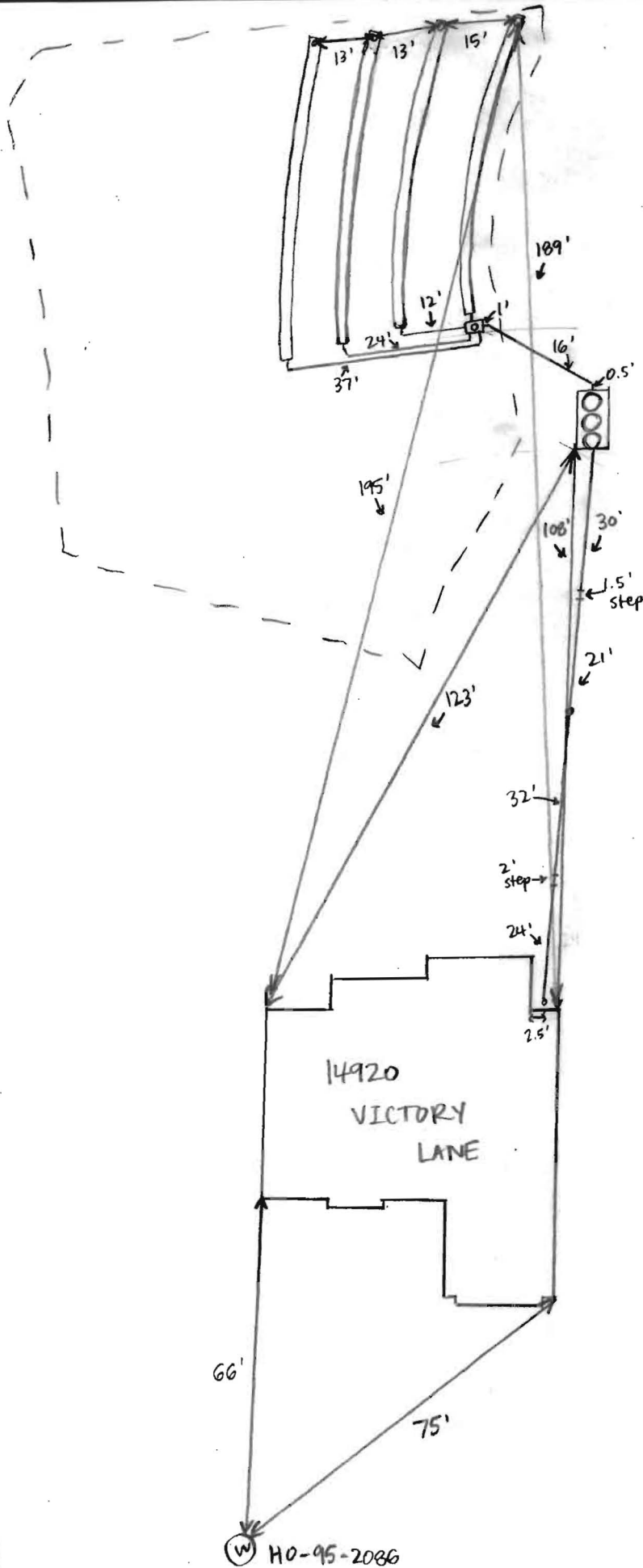
5/1/15 Met Fogle's on site for layout. Trenches are all on eastern portion of SDA where contour is more consistent. Spacing is 11' CTC in middle of trenches, 10' at start and 12' at ends. (SC/KW)

INSTALLATION: 5/4/15 Tank installed. Pipe from house to tank laid - house connection not yet made. D-box installed and connected to tank. T1 and T2 finished and left open at ends. Fogle's working on T3 - finished digging and half filled w/ stone and pipe. (SC) 5/5/15 T4 finished and left open. Still need house connection. (SC) 5/14/15 House connection made. Need BAT startup certification. (SC)

FINAL INSPECTOR _____ DATE OF APPROVAL _____

T4=61' T3=63' T2=62' T1=60'

NOT TO SCALE



1"=30'

Back River Pre-Cast, LLC

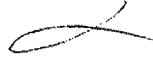
PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 14920 Victory Ln., Glenelg, MD 21737 was installed on May 1, 2015 according to the manufacture's specifications.

Installer: Matthew Cooney

Property Owner: Toll MD VII Limited Partnership



MATTHEW GECKLE

Vice-President

14920 Victory Lane

Clerk of the Circuit Court for
Howard County
Land Records/Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====

LR - Agreement Recording Fee		
1x	20.00	20.00

Grantor/Grantee Name: wang
Reference/Control #: 156

LR - Agreement Surcharge

1x	40.00	40.00
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SubTotal:	60.00
Total:	60.00

=====

REV-Check-BOA	60.00
Number : 68918	

=====

04/15/2015 13:29 CC13-TR
#4107188 /396/109
~ Thank you for visiting us today~



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 15 day of April 2015, among Chenggang Wang, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 14920 VICTORY LANE, in the Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber Folio .

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is NORWELD SINGULAR TNT 600.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Bea Nifen 4/15/2015
Howard County Health Department

4/15/15
Owner #1 Signature Date

Michael Martin
Owner #1 Print Name

Owner#2 Signature Date

Owner #2 Print Name

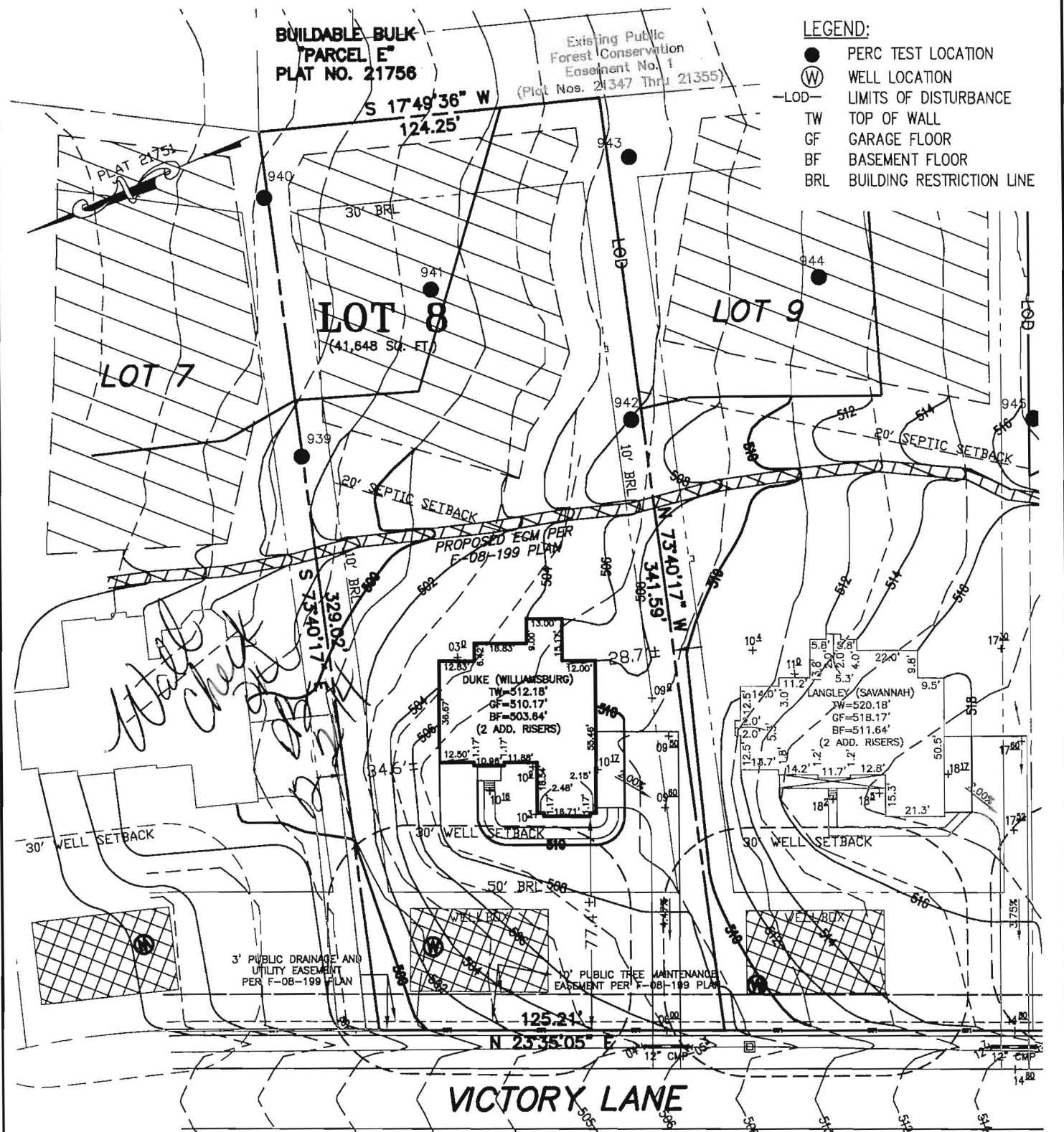
1-15-15
Buyer #1 Signature Date

CHENGANG WANG
Buyer #1 Print Name

Buyer #2 Signature Date

Buyer #2 Print Name

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 1/8/15.



WELL TAG NUMBER: HO-95-2086

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

ADDRESS: 14920 VICTORY LANE
GLENELG, MD 21737

HOUSE OPTIONS:

TYPE: DUKE (WILLIAMSBURG)
THREE CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
EXPANDED FAMILY ROOM/GREAT ROOM
ADD'L 1' TO HEIGHT OF BASEMENT FOUNDATION
ALTERNATE FAMILY ROOM LAYOUT MOVES FIREPLACE
TO INTERIOR WALL BTW. FAMILY ROOM AND STUDY
ALTERNATE HALL BATH LAYOUT
SOLARIUM ADDITION

OPTION No. 001
OPTION No. 017
OPTION No. 023
OPTION No. 070

OPTION No. 081
OPTION No. 368
OPTION No. 501

PLOT PLAN
LOT 8
MERIWETHER FARMS
LIBER 13779, FOLIO 473
PLAT NO. 21751
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



ESE Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
4101 Ritchie Marlboro Rd.
Upper Marlboro, MD 20772
Tel: 301-627-8504
Fax: 301-627-7985

DATE: 09/15/14 SCALE: 1"=50' FILE: PP LOT 8_rev 1
CHK'D: M.J.B. JOB NO: 3184 DRAWN: R.C.K.



Howard County
Health Department

Bureau of Environmental Health

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Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: _____

ONSITE SEWAGE DISPOSAL SYSTEM

P _____

INSTALLATION

APPROVAL DATE: _____

PERMIT

A _____

CONSTRUCTION

PROPERTY ADDRESS: _____

SUBDIVISION: _____

Merwin Farm

LOT: 8

TAX ID: _____

CONTRACTOR: _____

EMAIL: _____

CONTRACTOR ADDRESS: _____

PHONE: _____

PROPERTY OWNER: _____

EMAIL: _____

OWNER ADDRESS: _____

PHONE: _____

BAT UNIT MODEL: Noxwero Singular

PUMP SIZE: 500

PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY



LOW PRESSURE DOSED



NUMBER OF BEDROOMS: _____

TRENCHES:	LINEAR FEET REQUIRED: <u>131.25 LF</u>	INLET DEPTH: <u>3'</u>
	TRENCH WIDTH: <u>3'</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:	<u>USE 3-44' Long Trenches</u>	

ISSUED BY: Hank Oswald

ISSUE DATE: _____

EXPIRATION DATE: _____

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

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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.

Oswald, Hank

From: Oswald, Hank
Sent: Monday, January 05, 2015 11:40 AM
To: 'Steve Landoll'
Cc: 'mmartin3@tollbrothersinc.com'
Subject: Meriwether Farm Lots 1, 4, 7, 8

Hi Steve:

Lots 4 and 8:

The floor plans show 4 bedrooms with a full bath rough in on the basement level. Depending on how the basement is finished later on may require the future homeowners to upgrade their septic system (if the floor plans show more than 1 bedroom in the basement). Otherwise, the building permits for these two lots have been approved.

Lot 1:

The BAT system is currently designed for 5 bedrooms but the floor plans show 6 bedrooms (guest retreat – room # 6). Please revise the floor plans or BAT Plan and resubmit for BP approval.

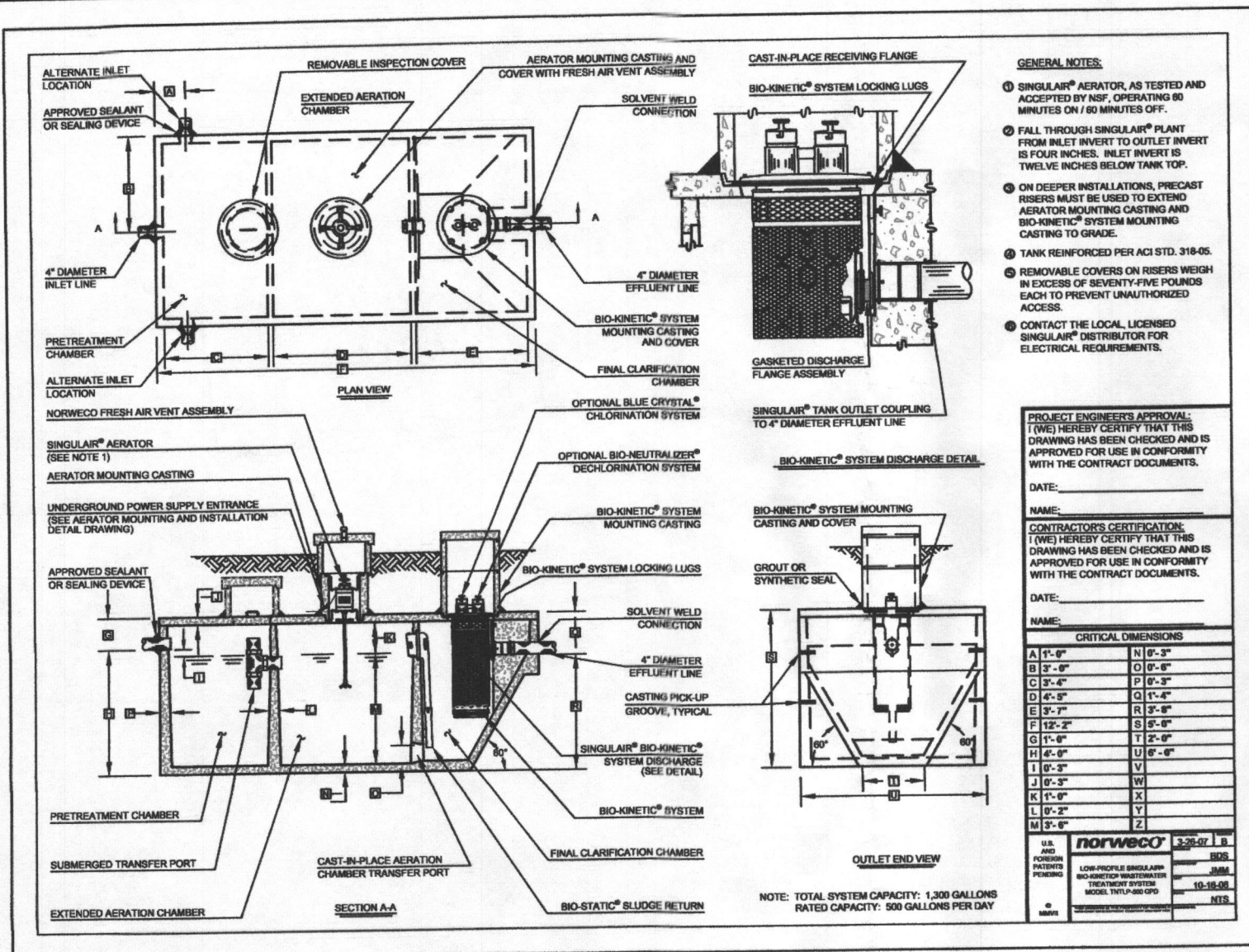
Lot 7:

I still need to see the floor plans for this lot (Last email from you only included the cover page.).

Regards,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
410.313.1786



GENERAL NOTES (ADDITIONAL):

REVISED PLAN SHOWN HEREON IS TO CHANGE THE SEPTIC TANK THAT IS BEING INSTALLED ONLY. ALL CALCULATIONS ARE TO REMAIN THE SAME. THIS PLAN WAS APPROVED PREVIOUSLY WITH THE ECOPOD SYSTEM, BUT DUE TO THE MEMORANDUM FROM THE HOWARD COUNTY HEALTH DEPARTMENT DATED FEBRUARY 19, 2015; THOSE SYSTEMS ARE NO LONGER TO BE USED IF NOT INSTALLED BY MARCH 15, 2015.

Approved Septic System Plan
Howard County Health Department

Signature: Hank Oswald Date: 4/21/15



HOUSE OPTIONS:

TYPE: DUKE (WILLIAMSBURG)
THREE CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
EXPANDED FAMILY ROOM/GREAT ROOM
ADDL. 1" TO HEIGHT OF BASEMENT FOUNDATION
ALTERNATE: FAMILY ROOM LAYOUT MOVES FIREPLACE
TO INTERIOR WALL BTW. FAMILY ROOM AND STUDY
ALTERNATE HALL BATH LAYOUT
SOLARIUM ADDITION

OPTION No. 001
OPTION No. 017
OPTION No. 023
OPTION No. 070
OPTION No. 081
OPTION No. 368
OPTION No. 501

SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) NOTES:

- ANY CHANGE 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 DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET COVER.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
- THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE), IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
- ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DIRECTOR

PROFESSIONAL ENGINEER

SEWAGE DISPOSAL SYSTEM DATA (5 BDRM):

NORWECO SINGULAR[®] INTLP-500 (3 CHAMBER SYSTEM)

PROPOSED INVERT AT FOUNDATION WALL: 502.8'

1. EXISTING GRADE OVER TANK: 504.0'
PROPOSED GRADE OVER TANK: 504.0'
INVERT IN: 500.3' INVERT OUT: 500.0'

2. DISTRIBUTION BOX
EXISTING GRADE OVER BOX: 502.2'
PROPOSED GRADE OVER BOX: 502.2'
INVERT IN: 499.6' INVERT OUT: 499.3'

3. TRENCH DESIGN, INITIAL SYSTEM:
(5 BDRM x 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 0.6 APP. RATE = 1,250 SF
USE 3' WIDE TRENCH WITH 60" GRAVEL BELOW PIPE
9' MIN. SPACING BETWEEN TRENCH EDGES
1,250 SF ÷ 3' WIDTH = 416.67 LF x 0.42 = 175 LF MIN. TRENCH
USE 3 5/8" LONG TRENCHES = 177 LF

4. TRENCH DESIGN, FIRST AND SECOND REPLACEMENT:
(5 BDRM x 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 0.8 APP. RATE = 937.50 SF
USE 3' WIDE TRENCH WITH 48" GRAVEL BELOW PIPE
9' MIN. SPACING BETWEEN TRENCH EDGES
937.50 SF ÷ 3' WIDTH = 312.50 LF x 0.42 = 131.25 LF MIN. TRENCH
USE 3 4/4" LONG TRENCHES = 132 LF

TRENCH DATA:

BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1):
GROUND ABOVE = 502.2'
INV. IN = 499.2'
BOTTOM TRENCH = 494.2'

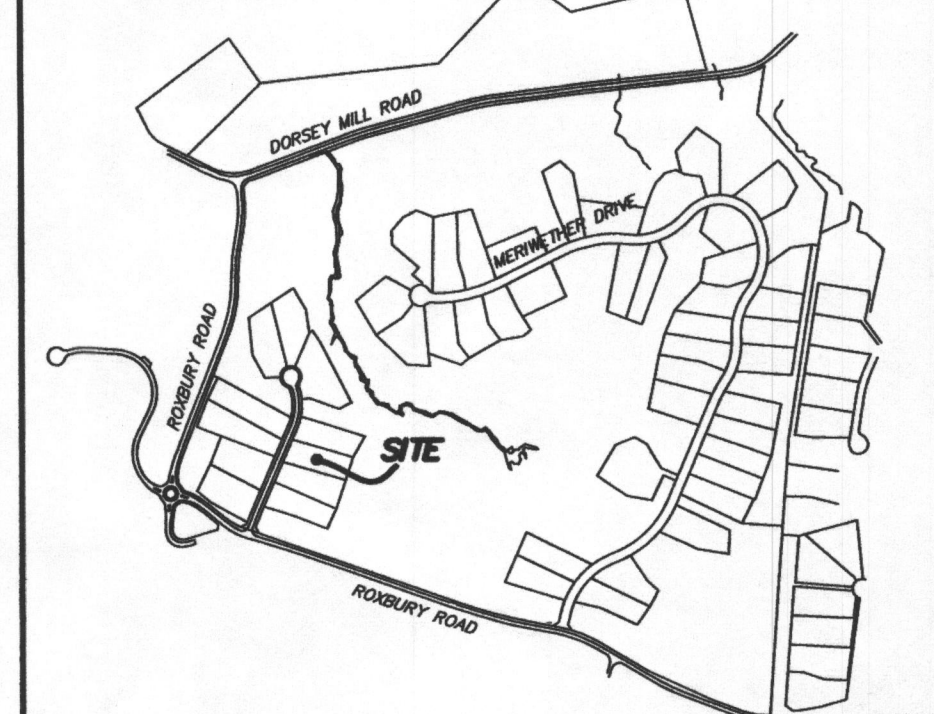
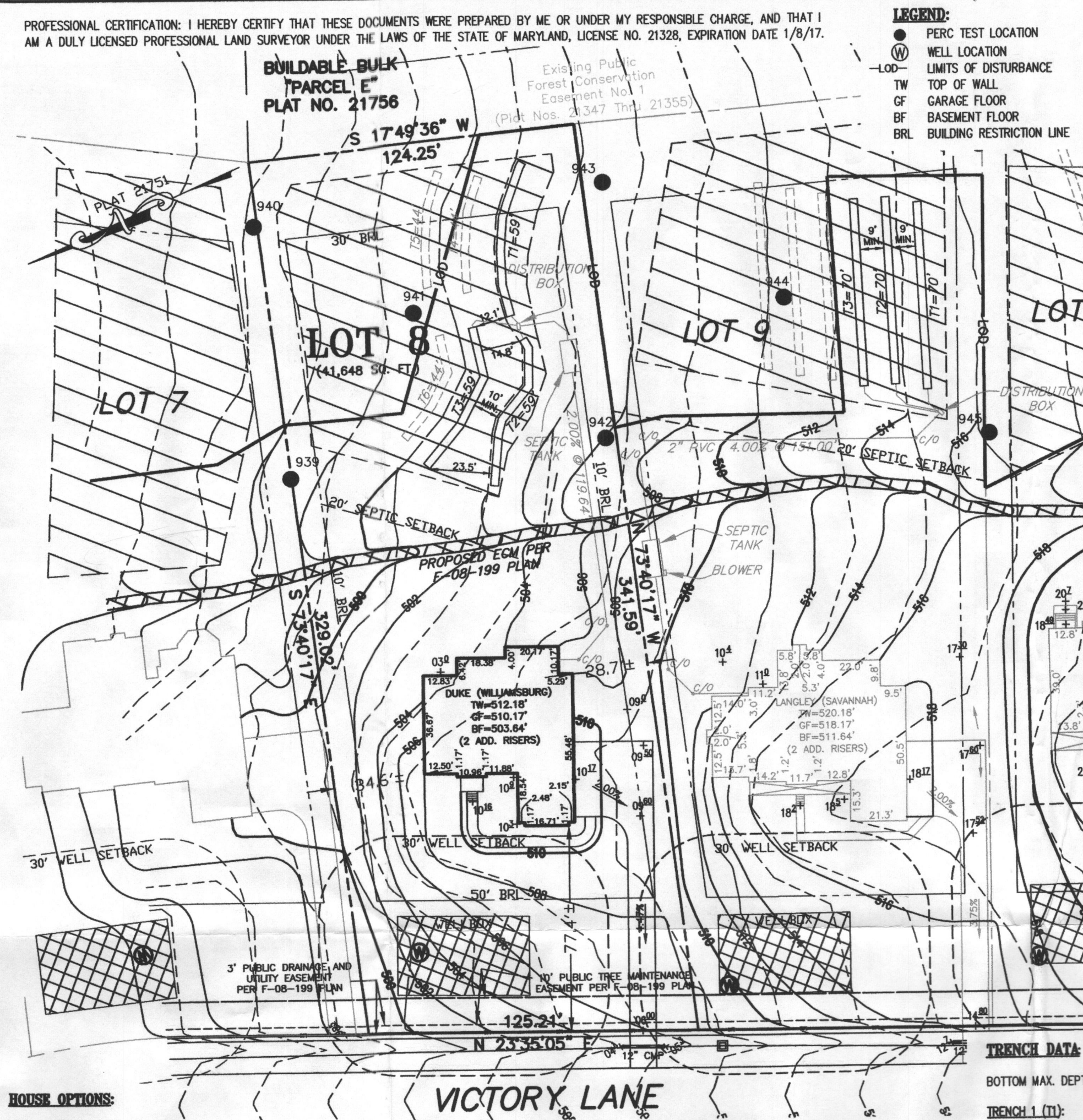
TRENCH 2 (T2):
GROUND ABOVE = 502.2'
INV. IN = 499.2'
BOTTOM TRENCH = 494.2'

TRENCH 3 (T3):
GROUND ABOVE = 500.6'
INV. IN = 497.6'
BOTTOM TRENCH = 492.6'

TRENCH 4 (T4):
GROUND ABOVE = 500.8'
INV. IN = 497.8'
BOTTOM TRENCH = 493.8'

TRENCH 5 (T5):
GROUND ABOVE = 500.8'
INV. IN = 497.8'
BOTTOM TRENCH = 493.8'

TRENCH 6 (T6):
GROUND ABOVE = 499.5'
INV. IN = 496.5'
BOTTOM TRENCH = 492.5'

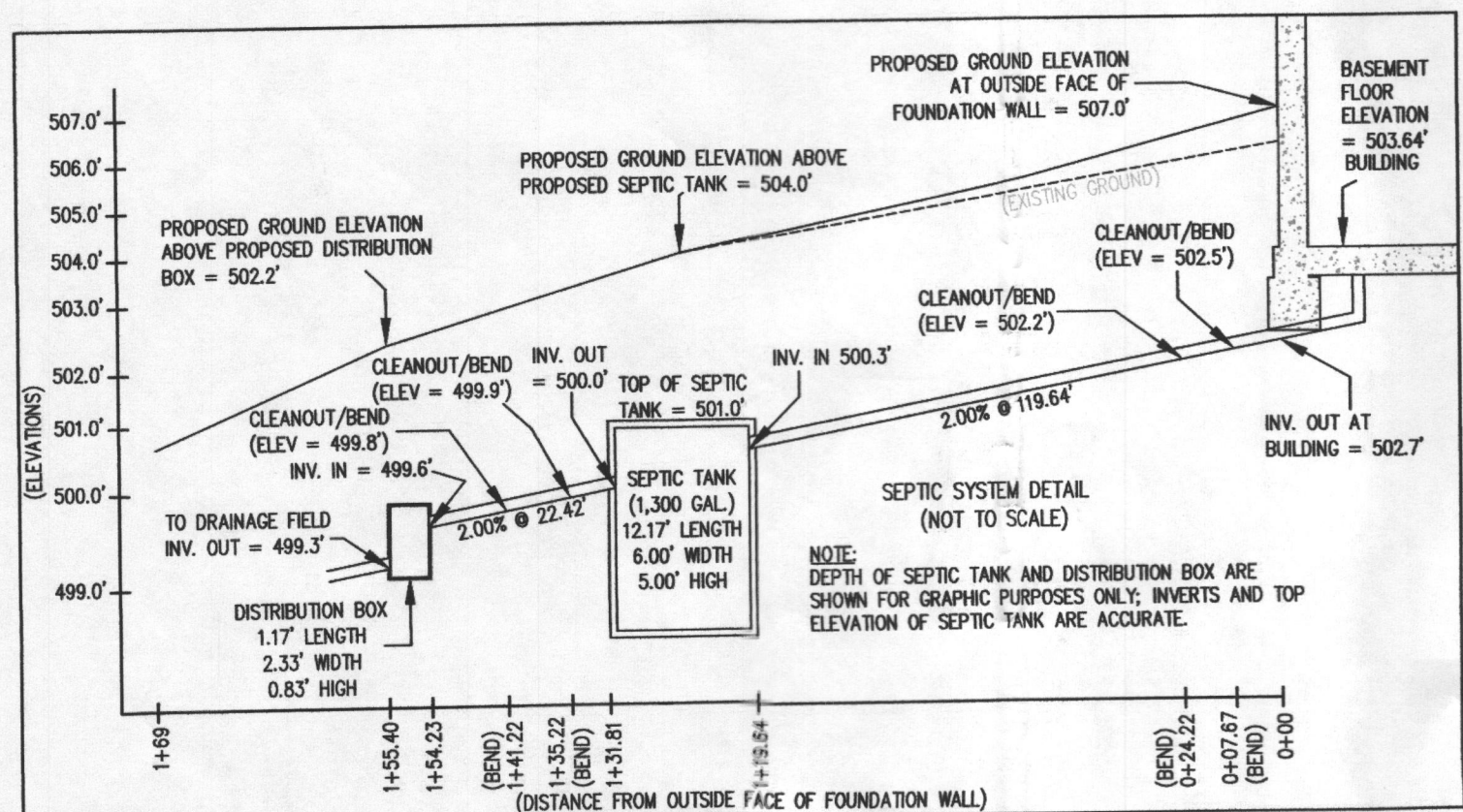


VICINITY MAP

1" = 100'

GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
- PLAT REFERENCE: PLAT No. 21751.
- THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 4/20/11.
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO STAKEOUT FOR CONSTRUCTION, IT SHALL BE THE OWNER/BUILDERS RESPONSIBILITY TO PROVIDE ESE CONSULTANTS INC. WITH THE MOST RECENT SET OF HOUSE PLANS.
- THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410-313-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TOTAL LIMIT OF DISTURBANCE: 35,029 SQ. FT. / 0.80 AC.±
- STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-08-199
- ANY DAMAGE TO PUBLIC "RIGHT-OF-WAYS" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (ESE) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND DIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT 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 EASEMENTS 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 EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT 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.
- UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
- THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-08-199.
- A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN DATED 12/18/13.
- THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2086 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.
- BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
- CULVERT FOR DRIVEWAY IS A 12" C.M.P. (CORRUGATED METAL PIPE) AS SHOWN ON SHEET 7 OF 15 OF THE STORM DRAIN PROFILES PLAN IN A COLUMN LABELED "DRIVEWAY CULVERT DATA", PER F-08-199 PLAN.



SITE PLAN FOR BAT INSTALLATION
LOT 8
MERIWETHER FARMS
LIBER 13779, FOLIO 473
PLAT No. 21751
TAX No. 04-593617
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
ADDRESS: 14920 VICTORY LANE
GLENELG, MARYLAND

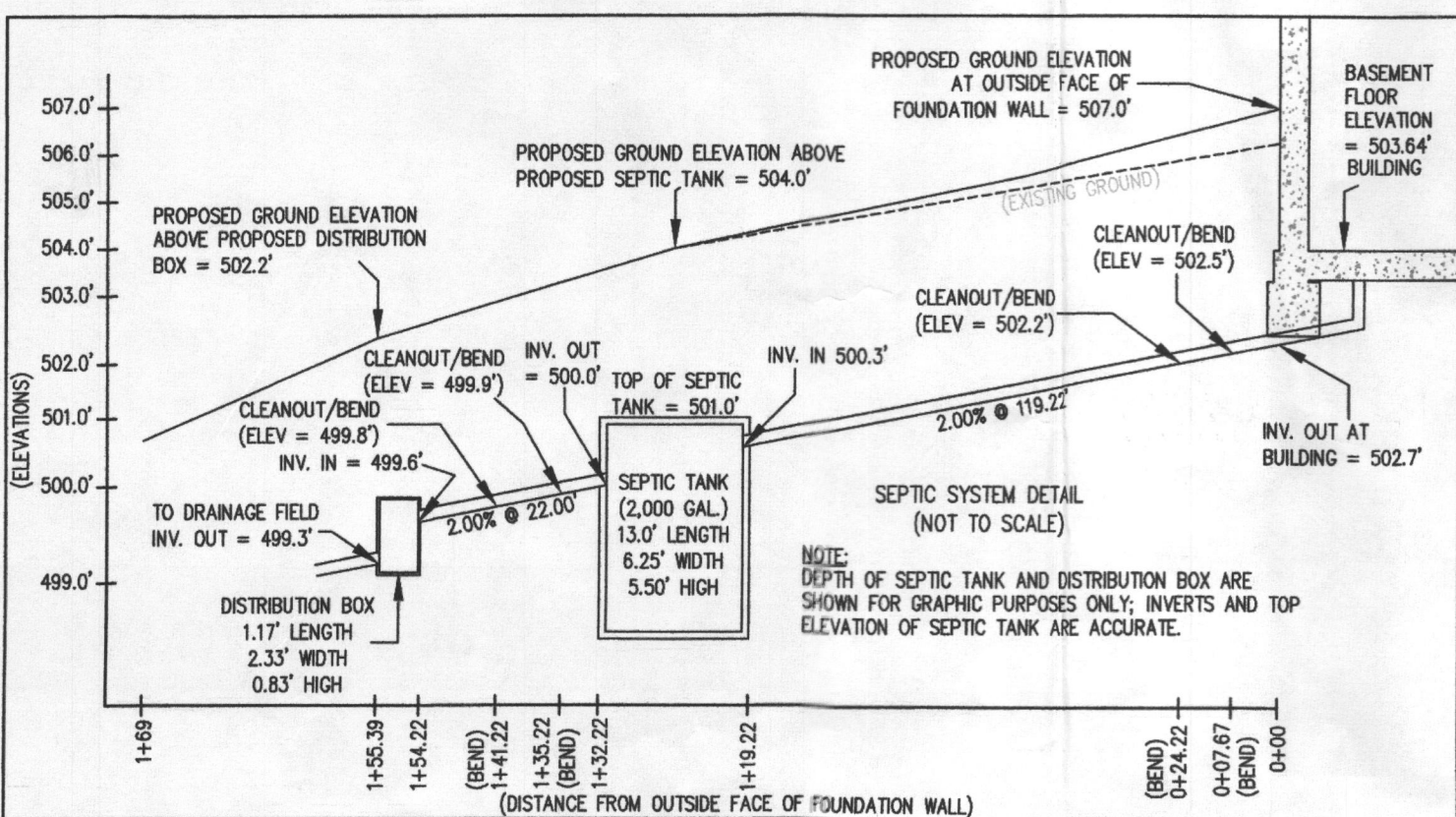
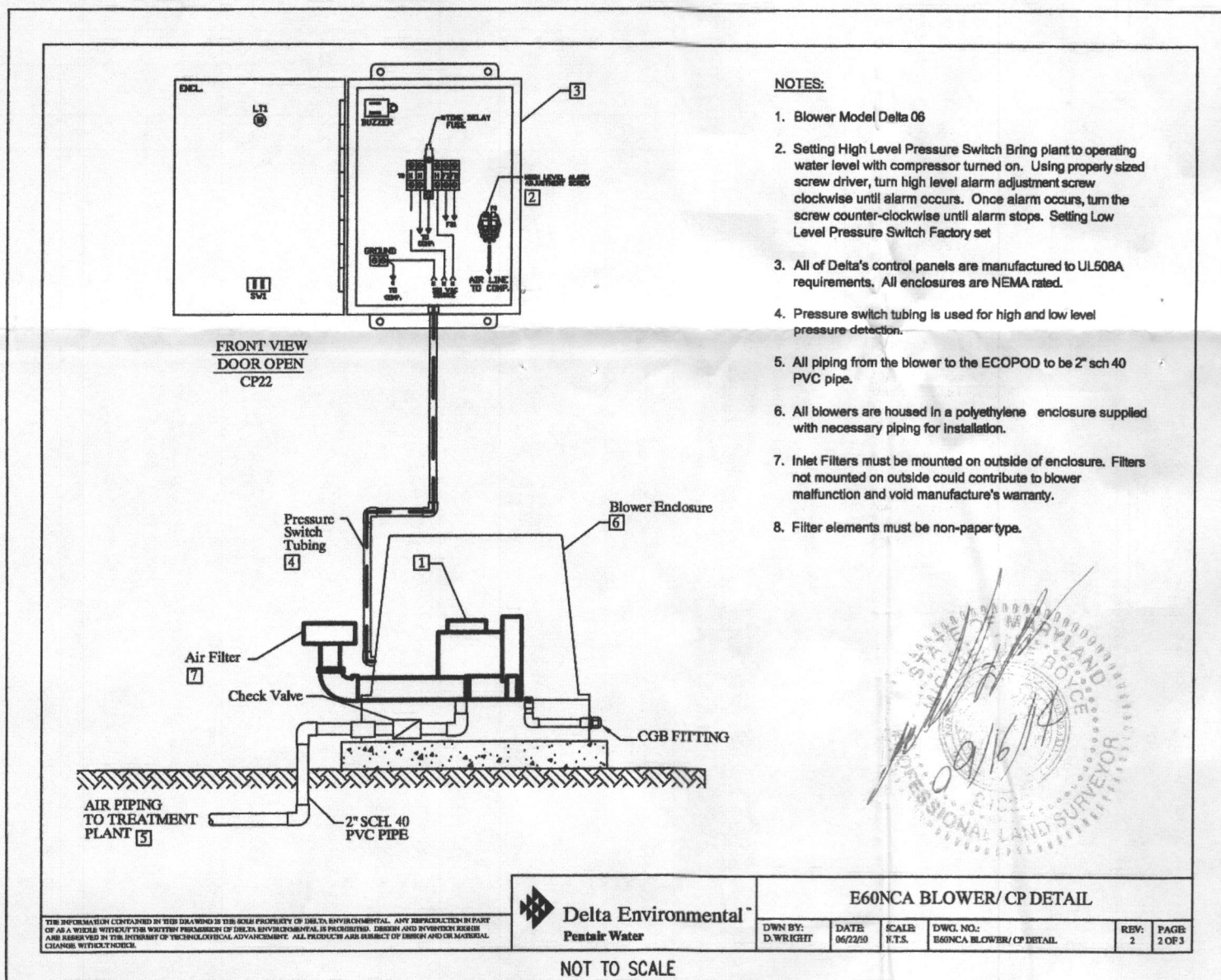
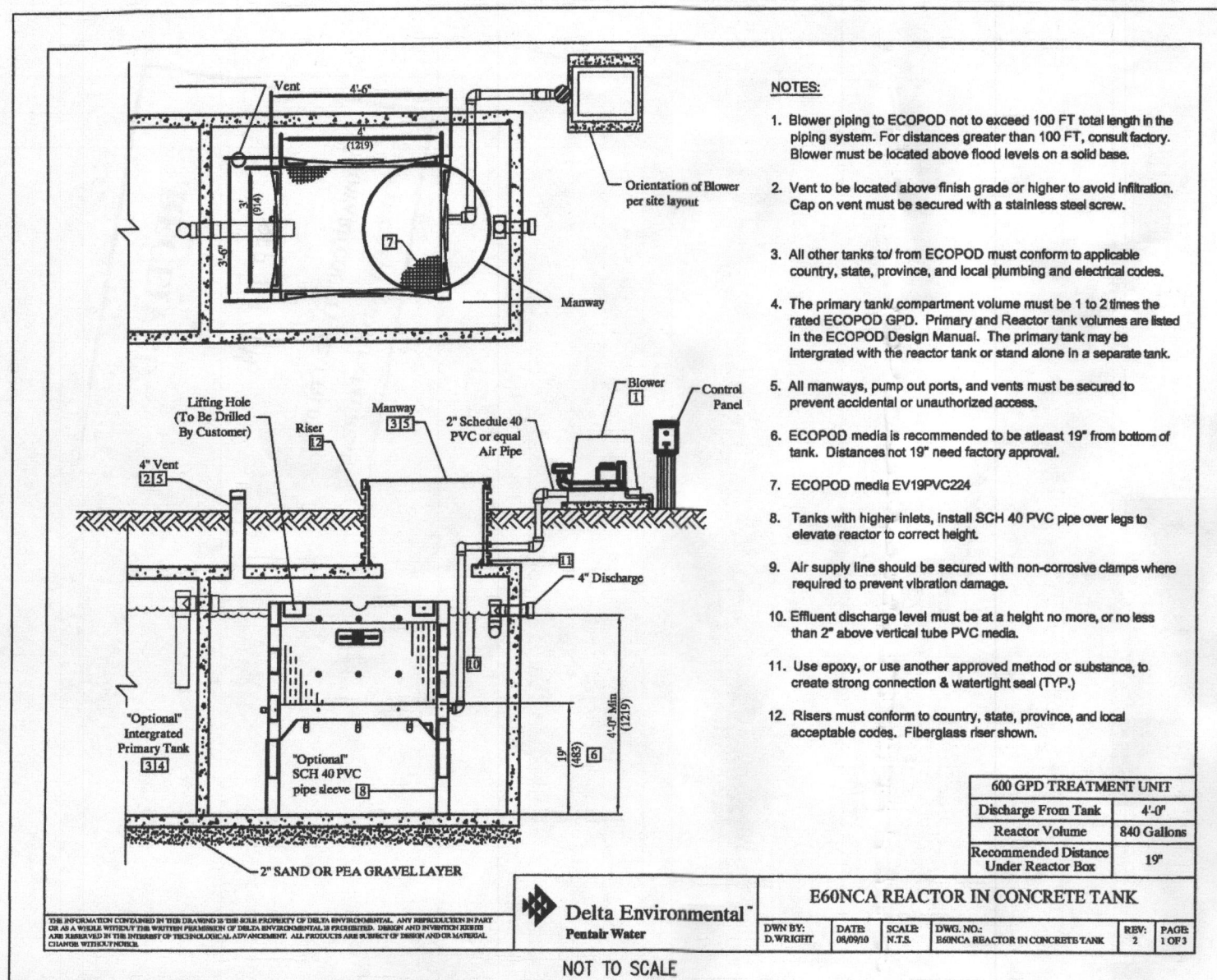
ESE Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 230
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

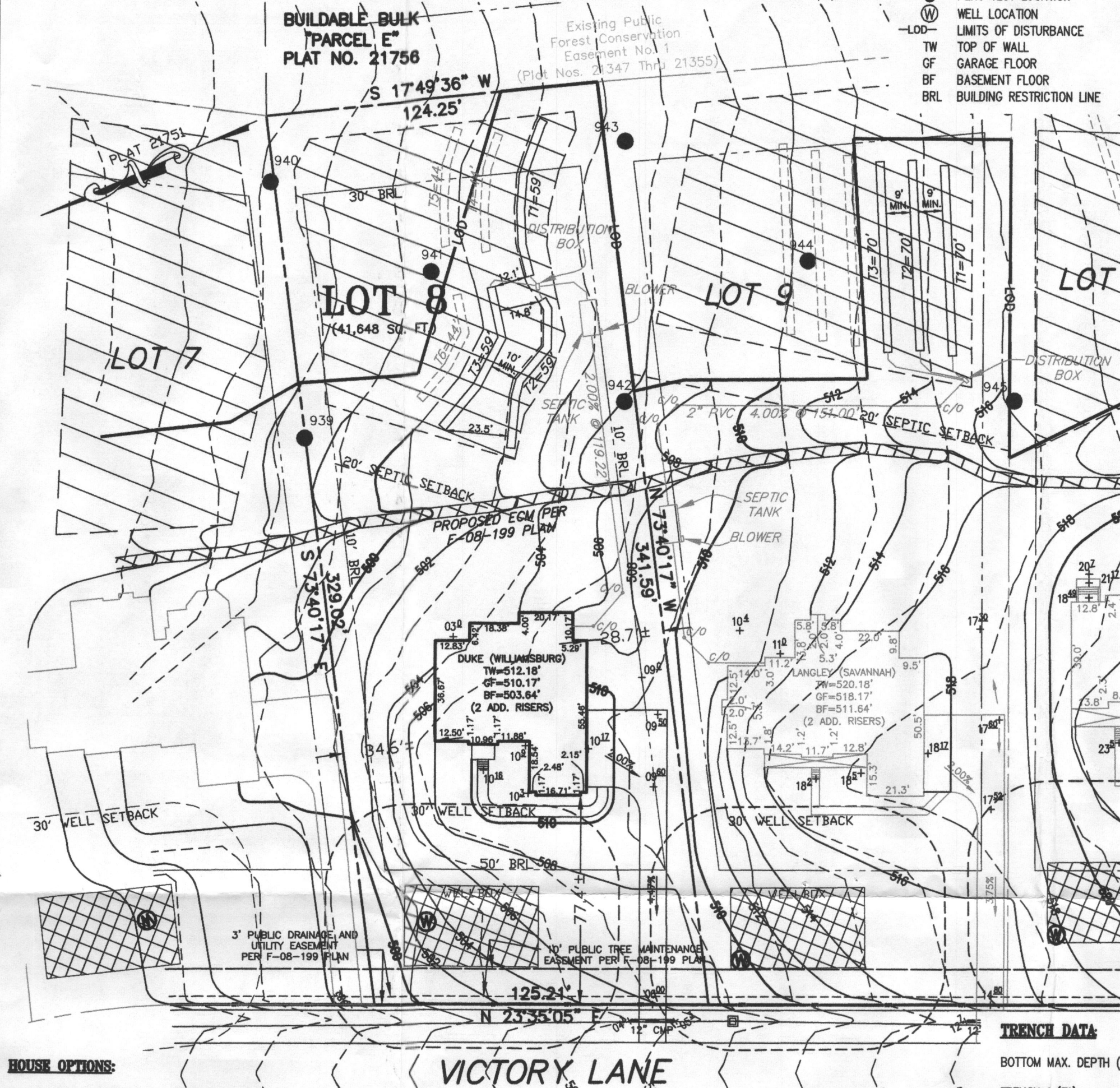
DATE: 04/23/15
CHK'D: M.J.B

SCALE: 1"=40'
JOB NO: 3184

FILE: BAT LOT 8_rev4
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 1/8/15.



HOUSE OPTIONS:

TYPE: DUKE (WILLIAMSBURG)
THREE CAR SIDE ENTRY GARAGE
WALK-OUT BASEMENT
EXPANDED FAMILY ROOM/GREAT ROOM
ADD'L 1' TO HEIGHT OF BASEMENT FOUNDATION
ALTERNATE FAMILY ROOM LAYOUT MOVES FIREPLACE TO INTERIOR WALL BTW. FAMILY ROOM AND STUDY
ALTERNATE HALL BATH LAYOUT
SOLARium ADDITION

OPTION No. 001
OPTION No. 017
OPTION No. 023
OPTION No. 070

OPTION No. 081
OPTION No. 368
OPTION No. 501

SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) NOTES:

- ANY CHANGE 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 DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET COVER.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
- THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE), IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
- ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE

DIRECTOR

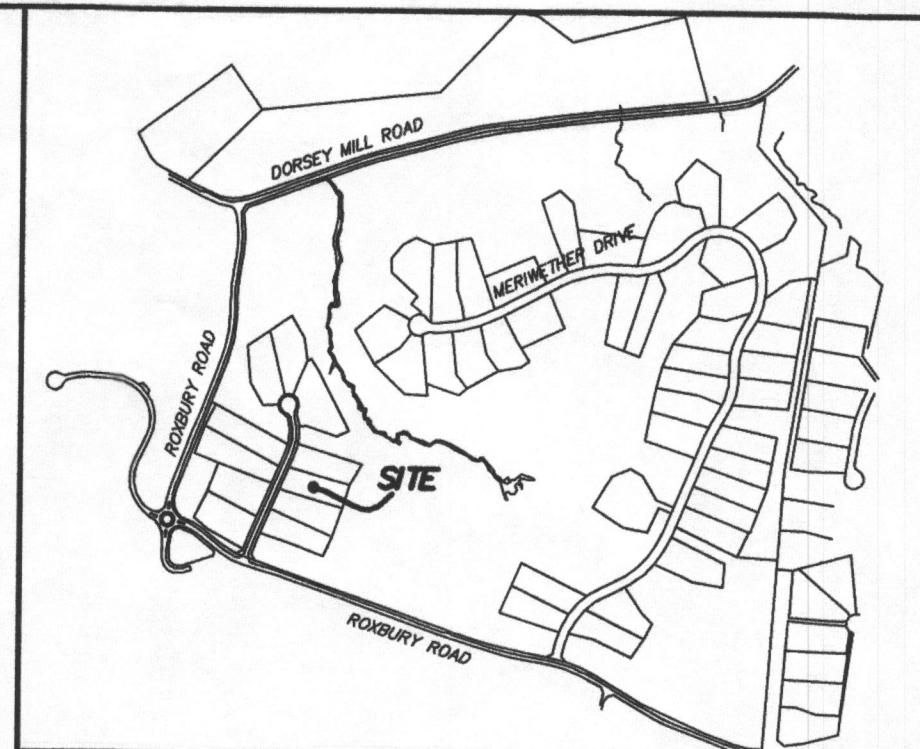
DATE

PROFESSIONAL ENGINEER

DATE

LEGEND:

- PERC TEST LOCATION
- WELL LOCATION
- LIMITS OF DISTURBANCE
- TOP OF WALL
- GARAGE FLOOR
- BASEMENT FLOOR
- BUILDING RESTRICTION LINE



VICINITY MAP

1" = 1000'

GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
- PLAT REFERENCE: PLAT No. 21751.
- THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 4/20/11.
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO STAKEOUT FOR CONSTRUCTION, IT SHALL BE THE OWNER/BUILDERS RESPONSIBILITY TO PROVIDE ESE CONSULTANTS INC. WITH THE MOST RECENT SET OF HOUSE PLANS.
- THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410-313-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TOTAL LIMIT OF DISTURBANCE: 35,029 SQ. FT. / 0.80 AC.±
- STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-08-199
- ANY DAMAGE TO PUBLIC "RIGHT-OF-WAYS" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (ESE) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND DIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT 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 EASEMENTS 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 EASEMENT. RECORDED OF A MODIFIED SEWAGE EASEMENT 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.
- UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
- THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-08-199.
- A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN DATED 12/18/13.
- THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2088 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.
- BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
- CULVERT FOR DRIVEWAY IS A 12" C.M.P. (CORRUGATED METAL PIPE) AS SHOWN ON SHEET 7 OF 15 OF THE STORM DRAIN PROFILES PLAN IN A COLUMN LABELED "DRIVEWAY CULVERT DATA", PER F-08-199 PLAN.

SITE PLAN FOR BAT INSTALLATION
LOT 8

MERIWETHER FARMS

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