

Bureau of Environmental Health
 7178 Gateway Drive Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

RECEIPT DATE: 5/18/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 546366

INSTALLATION APPROVAL DATE: 8/28/14 **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 14885 Meriwether Drive

SUBDIVISION: Meriwether Farm LOT: 21 TAX ID: _____

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kurt@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: _____ EMAIL: _____

OWNER ADDRESS: Toll MD VIII LP PHONE: _____
7164 Columbia Gateway Drive, Columbia, MD 21046

BAT UNIT MODEL: Ecopod E60 BAT UNIT SIZE: 600 GPD

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: _____

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

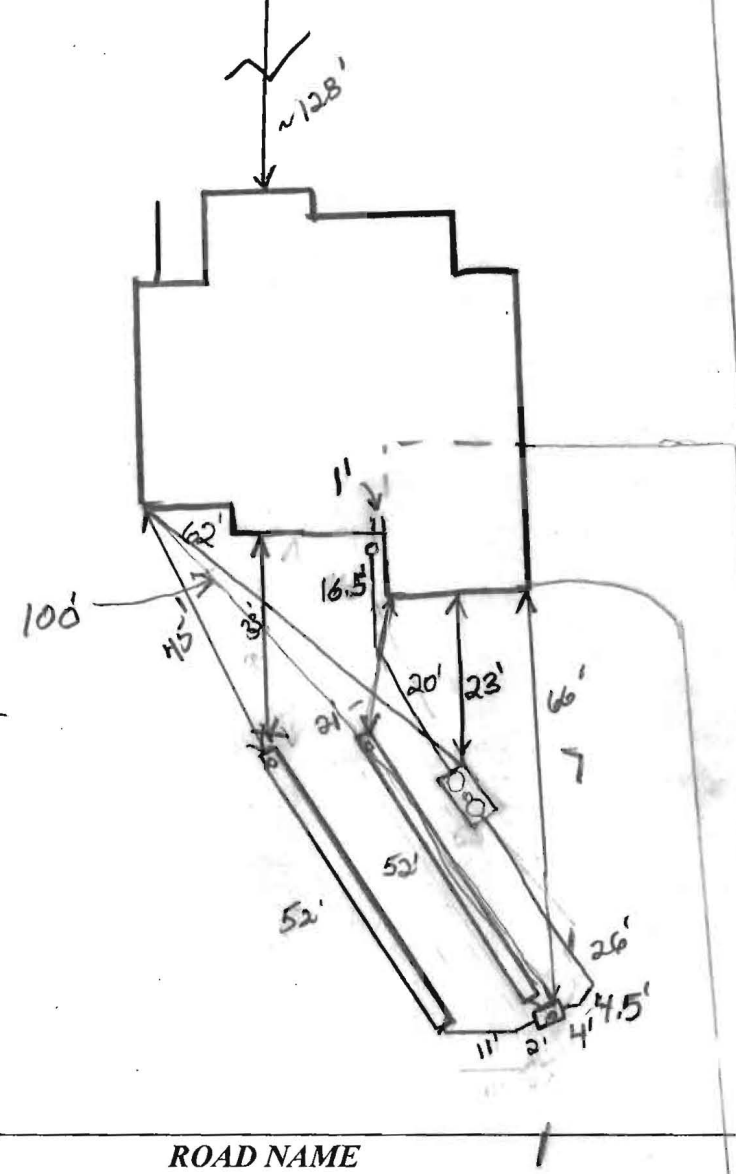
TRENCHES:	LINEAR FEET REQUIRED: <u>See Bat Plan 104'</u>	INLET DEPTH: <u>See Bat Plan 3'</u>
	TRENCH WIDTH: <u>See Bat Plan 3'</u>	MAXIMUM BOTTOM DEPTH: <u>See Bat Plan 6'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>See Bat Plan</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>See Bat Plan</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set BAT unit per plan. Set distribution box per plan. Install trenches per plan.	

ISSUED BY: Jeff Williams ISSUE DATE: 5-19-14 EXPIRATION DATE: 5-19-15

- 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

**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



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3	6
NUMBER OF TRENCHES		2
TOTAL LENGTH		104
ABSORPTION AREA		312' + SW
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	Ecopod GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-2.5'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	Middle
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	6/17/2014
PUMP/SEPTIC TANK LEVEL	
N/A	
MANUFACTURER	
CAPACITY _____ GAL	
SEAM LOC _____	
TANK LID DEPTH _____	
BAFFLES _____	
BAFFLE FILTER _____	
MANHOLE LOC _____	
6" PORT LOC _____	
WATERTIGHT TEST _____	
SLOTTED _____	
DATE ON LID _____	

PRE-CONSTRUCTION:

7/10/14 SRA not staked. (KW) 7/11/14 Install Dbox @ opposite end of trenches. Set BAT unit inside SRA corner above proposed trenches. Install 2x 52' trenches back towards house as staked in field call for inspections (KW)

INSTALLATION:

7/14/14 Trenches being installed. Elevations shot for trench bottoms. Some rock encountered on top trench close to ends should be ok. Trench segments 2-4' below grade, OK to continue. 7/15/14 No one on-site. Trenches complete. OK to dig trenches. (KW)

7/18/2014 Need house connection. (BB)
 8/27/2014 House connection made. Need Ecopod approval
 8/28/14 - start-up received (BB)

FINAL INSPECTOR 

DATE OF APPROVAL 8/28/14

e3 Environmental LLC

302-725-0788 www.e3onsite.com

ECOPOD-N Completion Statement

Installation Information

Owners Name	Tall Brothers	# of Bedrooms / GPD	600
Street	14885 Meriwether Dr	Repair	<input type="checkbox"/>
City	Glenol	New Construction	<input checked="" type="checkbox"/>
State	MD		
Zip	21737		

Installation Company

Company	Fogles	Installed Date	7/18/14
Certified Installer	Matthew Cooney	Startup Date	8/26/14
Street	Obercht Rd		
City	Sussexville		
State	MD		
Zip	21784		

ECOPOD-N

Model #	Serial #
E50 <input type="checkbox"/>	
E60 <input checked="" type="checkbox"/>	E-60N 02154 CA
E75 <input type="checkbox"/>	
E100 <input type="checkbox"/>	
E150 <input type="checkbox"/>	

Blower Voltage	Good
Blower Running Amps	Good
Inches of water over media with blower turned off	2 inches
Vent Installed	yes
Tanks and Risers Water tight	yes
Alarm Functional	yes

I hereby certify that the ECOPOD-N wastewater treatment system has been installed and started up in accordance with the construction permit and is in compliance with the manufacturers recommendations

Company Babylon Vault Co.
Signature Steven R Koontz
Printed Name STEVEN R KOONTZ

Date 8/26/14

Babylon

V A U L T

S I N C E 1 9 3 0

Burial Vaults - Septic Tanks

925 WAKEFIELD
NEW WINDSOR

PHONE:
410-848-0393

FAX:
410-848-3551

Five Year Initial Service Policy On Site Wastewater Treatment System

Brand Name: <u>ECCPOD</u>	Model Number: <u>EGO</u>
Purchase Date: <u>8/26/14</u>	Serial Number: <u>EGON-62154 CA</u>

INITIAL POLICY:

A five (5) year service policy shall be furnished to the user by the Installer.

This policy is included in the original purchase price and shall provide the following:

One inspection/service call every six months which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function for the first year. And once a year thereafter.

One effluent quality inspection every six months consisting of a visual check for color, turbidity, scum overflow, and an examination for the first year. And then once a year thereafter.

A sample shall be pulled from the aeration tank once a year as described in the "Solids Removal" Section to determine if there is an excess of solids in the treatment plant. If the test results determine if there is an excess of solids in the treatment plant. If the test results determine a removal, the user will bear the cost and responsibility for doing so.

If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the condition and the estimated date of correction.

Exclusions of Warranty including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system restoration to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into the system in any other form of unusual abuse.

THIS POLICY DOES NOT INCLUDE PUMPING SLUDGE FROM UNIT IF NECESSARY

INSTALLING AUTHORITY:

Howard County

SYSTEM OWNER:

Toll Brothers

INSTALLATION LOCATION:

1885 McCrethor DR
Stingl MD 21737

DISTRIBUTOR:

Babylon Vault Co
925 Wakefield Valley Rd
New Windsor MD 21774

INSTALLER:

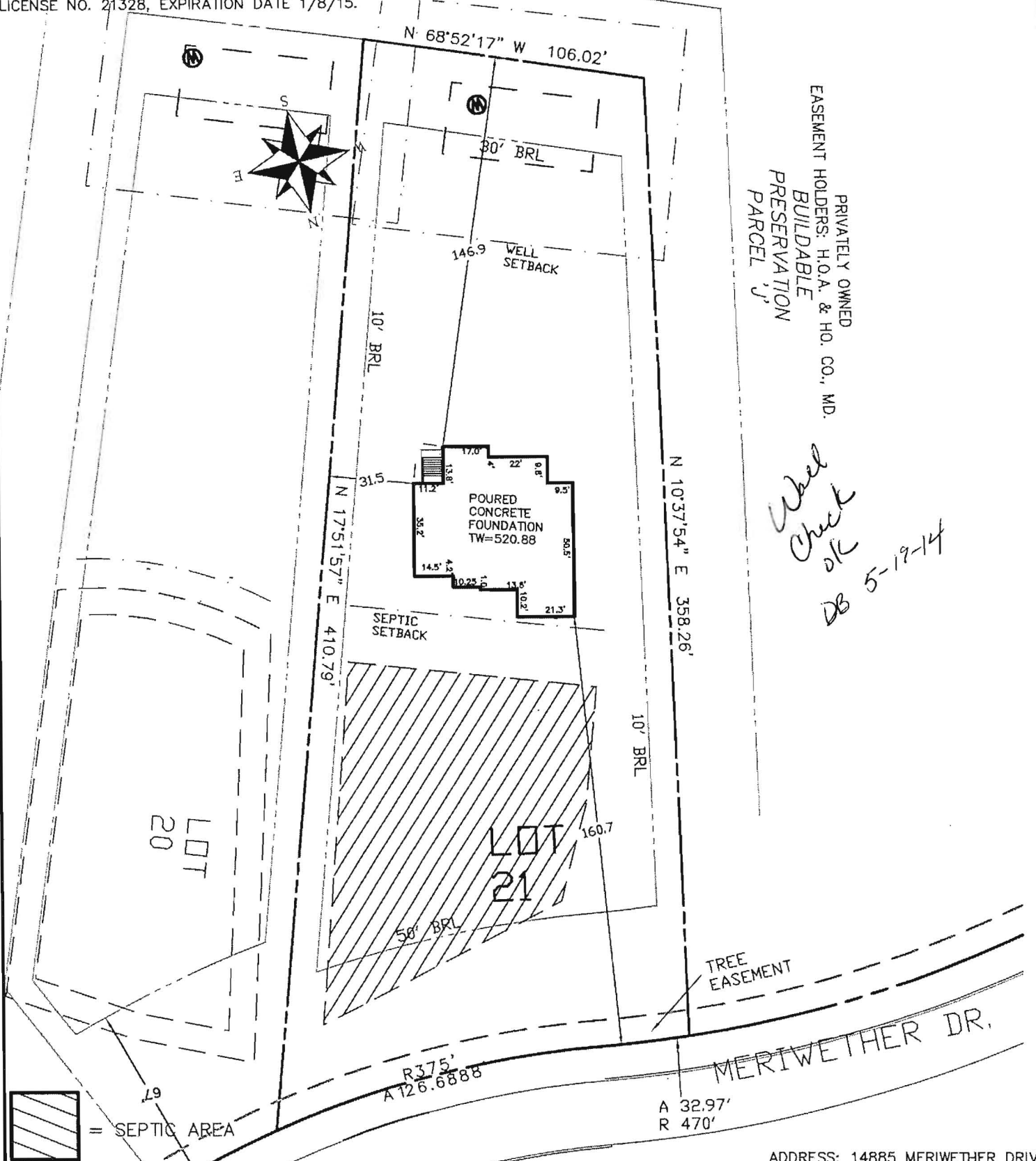
Fogle Septic

SERVICE COMPANY:

Babylon Vault

Service Operators License Number: Stewart R

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.



PRIVATELY OWNED
EASEMENT HOLDERS: H.O.A. & HO. CO., MD.
BUILDABLE
PRESERVATION
PARCEL 'J'

*Wall
Check
OK
DB 5-19-14*



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

ADDRESS: 14885 MERIWETHER DRIVE
GLENELG, MD 21737
WELL #: HO-95-2159

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
SIGNATURE: MICHAEL JOE BOYCE 21328 MD. LIC NO. 03/15/14 DATE

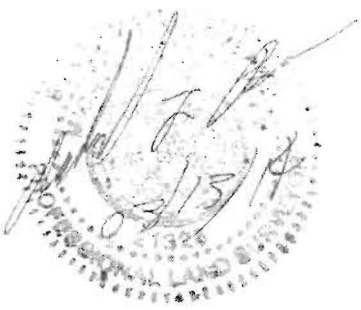
WALL CHECK
LOT #21
MERIWETHER FARMS

LIBER 13779, FOLIO 490
PLAT No. 21769, ET SEQ
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870



DATE: 3/12/14 SCALE: 1"=50' FILE: WC-21
CHK'D: M.J.B. JOB#: 3184 DRAWN: RWA

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2155) HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. - PROFESSIONAL LAND SURVEYOR(S) AND IS ACCURATELY SHOWN

BUILDING SETBACKS (B.B.L.'S) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "5'" HAVE AN ACCURACY OF ±0.1' FOOT

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED EASEMENT PLAT SHALL NOT BE NECESSARY

THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR MERIWETHER FARMS, PLAT No. 21769, ET SEQ. REFER TO THIS PLAT FOR ANY RESTRICTIONS AND/OR PROVISIONS.

SAM FOR THIS LOT IS MANAGED PER PLAN F-09-044

E & S CONTROLS PER PLAN F-09-044

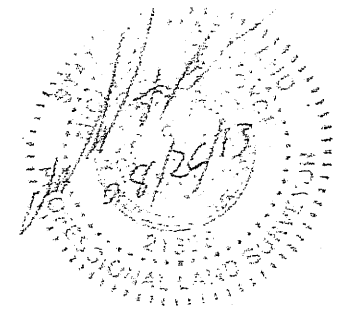
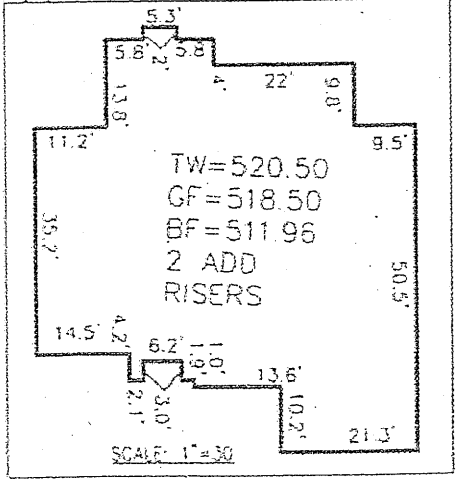
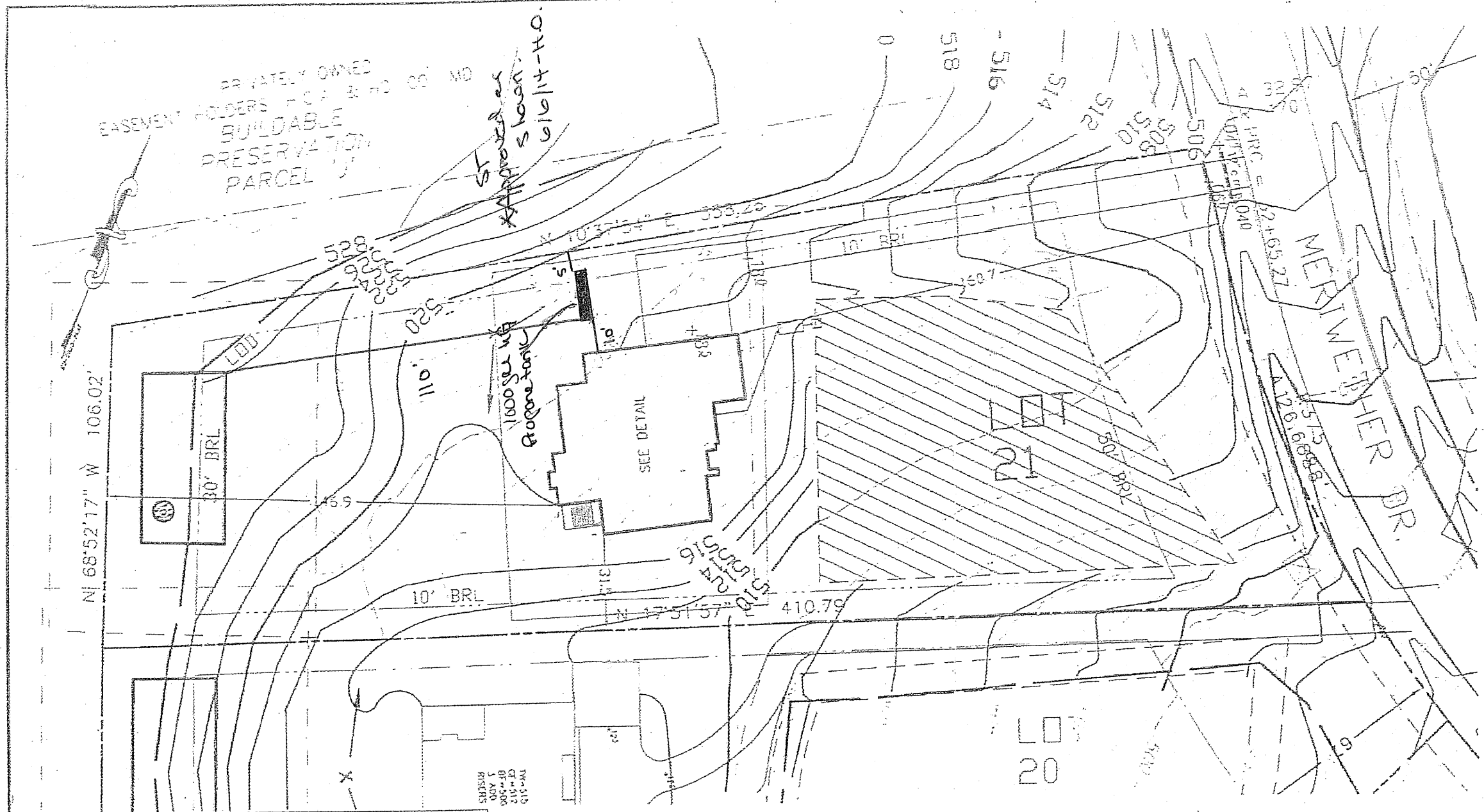
CULVERT FOR DRIVEWAY PER F-09-044

ADDRESS: MERIWETHER DRIVE
GLENELG, MD 21737

TOPOGRAPHIC INFORMATION ESTABLISHED AT TWO FOOT INTERVALS BASED ON AERIAL TOPOGRAPHY PROVIDED TO ESE BY FISHER, COLLINS & CARTER, INC

APPROVED
FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____



INV. @ HOUSE	513.3
GROUND @ INV. @ HOUSE	517.5
INV. IN TANK	512.5
INV. OUT TANK	512.2
TOP OF TANK	513.2
GROUND OVER TANK	516.0
INV. IN DIST. BOX	512.1
INV. OUT DIST. BOX	511.8
GROUND @ BOX	515.8
BASEMENT DOES NOT CRAWLY SEWER	

- TYPE: LANDLEY (WB)-
- THREE CAR SIDE ENTRY GARAGE
 - DAY LIGHT BASEMENT
 - ADD'L 1' TO HEIGHT OF BASEMENT
 - EXPANDED FAMILY ROOM/GREAT ROOM
 - CON. ADULT ADDITION
- OPTION No. 001
 - OPTION No. 018
 - OPTION No. 070
 - OPTION No. 023
 - OPTION No. 501

PLOT PLAN
LOT #21
MERIWETHER FARMS
LIBER 13779, FOLIO 490
PLAT No. 21769, ET SEQ.
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ESE Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
7164 Columbia Gateway E
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4570

DATE: 8/21/13 SCALE: 1"=40' FILE: LOT_21_PP
CHK'D: M.B JOB#: 3184 DRAWN: JLN

PRIVATELY OWNED
EASEMENT HOLDERS: H.O.A. & HO. CO., MD.
BUILDABLE
PRESERVATION
PARCEL

*THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2159) HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.

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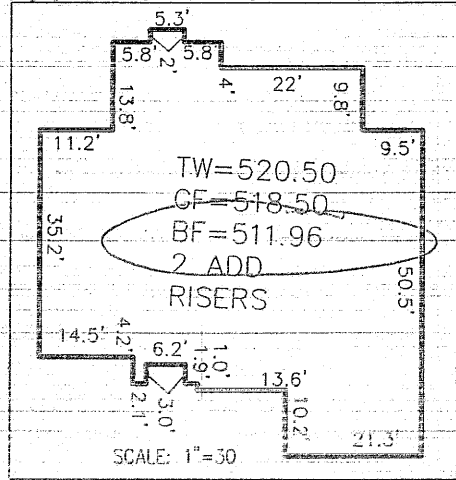
SWM FOR THIS LOT IS MANAGED PER PLAN F-09-044

E & S CONTROLS PER PLAN F-09-044

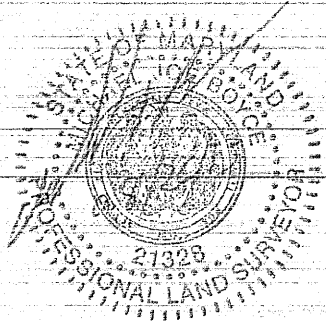
CULVERT FOR DRIVEWAY PER F-09-044

ADDRESS: MERIWETHER DRIVE
GLENELG, MD 21737

TOPOGRAPHIC INFORMATION ESTABLISHED AT TWO FOOT INTERVALS BASED ON AERIAL TOPOGRAPHY PROVIDED TO ESE BY FISHER, COLLINS & CARTER, INC.



B13003646
Approved Septic System Plan
Howard County Health Department
Sheryl Sutt Signature
10/16/13 Date
4 BR SFD



APPROVED:
FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

- TYPE: LANGLEY (W/L)-
- THREE CAR SIDE ENTRY GARAGE
- DAY-LIGHT BASEMENT
- ADD'L 1' TO HEIGHT OF BASEMENT
- EXPANDED FAMILY ROOM/GREAT ROOM
- SOLARIUM ADDITION

- OPTION No. 001
- OPTION No. 018
- OPTION No. 070
- OPTION No. 023
- OPTION No. 501

INV. @ HOUSE	513.3
GROUND @ INV. @ HOUSE	517.5
INV. IN TANK	512.5
INV. OUT TANK	512.2
TOP OF TANK	513.2
GROUND OVER TANK	516.0
INV. IN DIST. BOX	512.1
INV. OUT DIST. BOX	511.8
GROUND @ BOX	515.8
BASEMENT DOES NOT GRAVITY SEWER	

PLOT PLAN
LOT #21
MERIWETHER FARMS
LIBER 13779, FOLIO 490
PLAT No. 21769, ET SEQ.
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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TEL: 410-872-9105
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DATE: 8/21/13 SCALE: 1"=40' FILE: LOT_21_PP
CHK'D: MJB JOB#: 3184 DRAWN: JLN

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 LAURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/15.

HOUSE OPTIONS:

TYPE: LANGLEY (WILLIAMSBURG)
THREE CAR SIDE ENTRY GARAGE
DAYLIGHT BASEMENT
EXPANDED FAMILY ROOM/GREAT ROOM
ADD'L 1' TO HEIGHT OF BASEMENT FOUNDATION
SOLARIUM ADDITION

OPTION No. 001
OPTION No. 018
OPTION No. 023
OPTION No. 070
OPTION No. 501

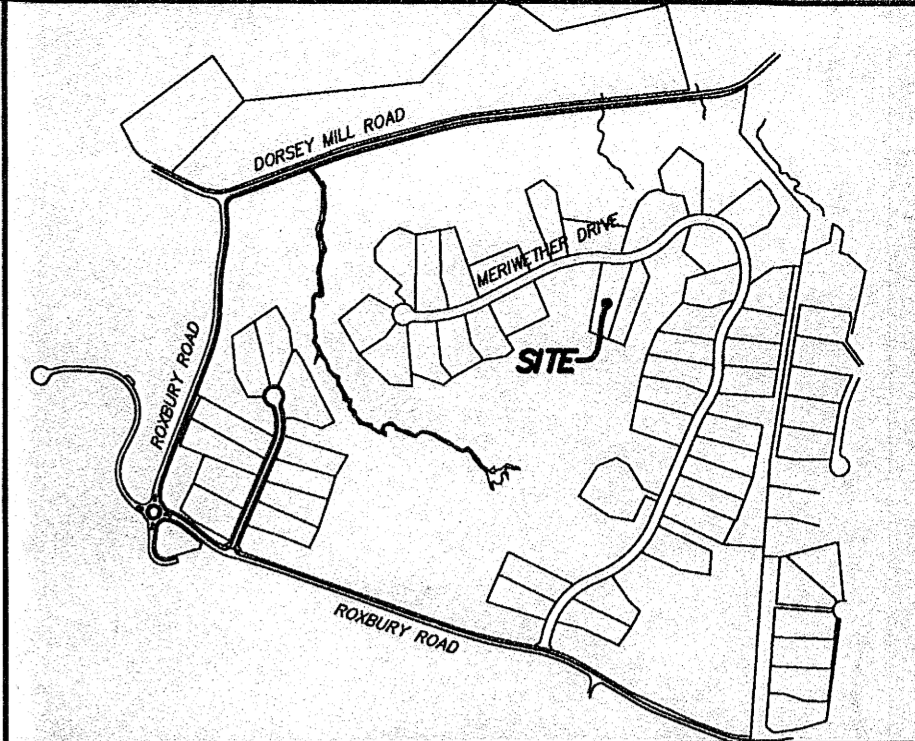
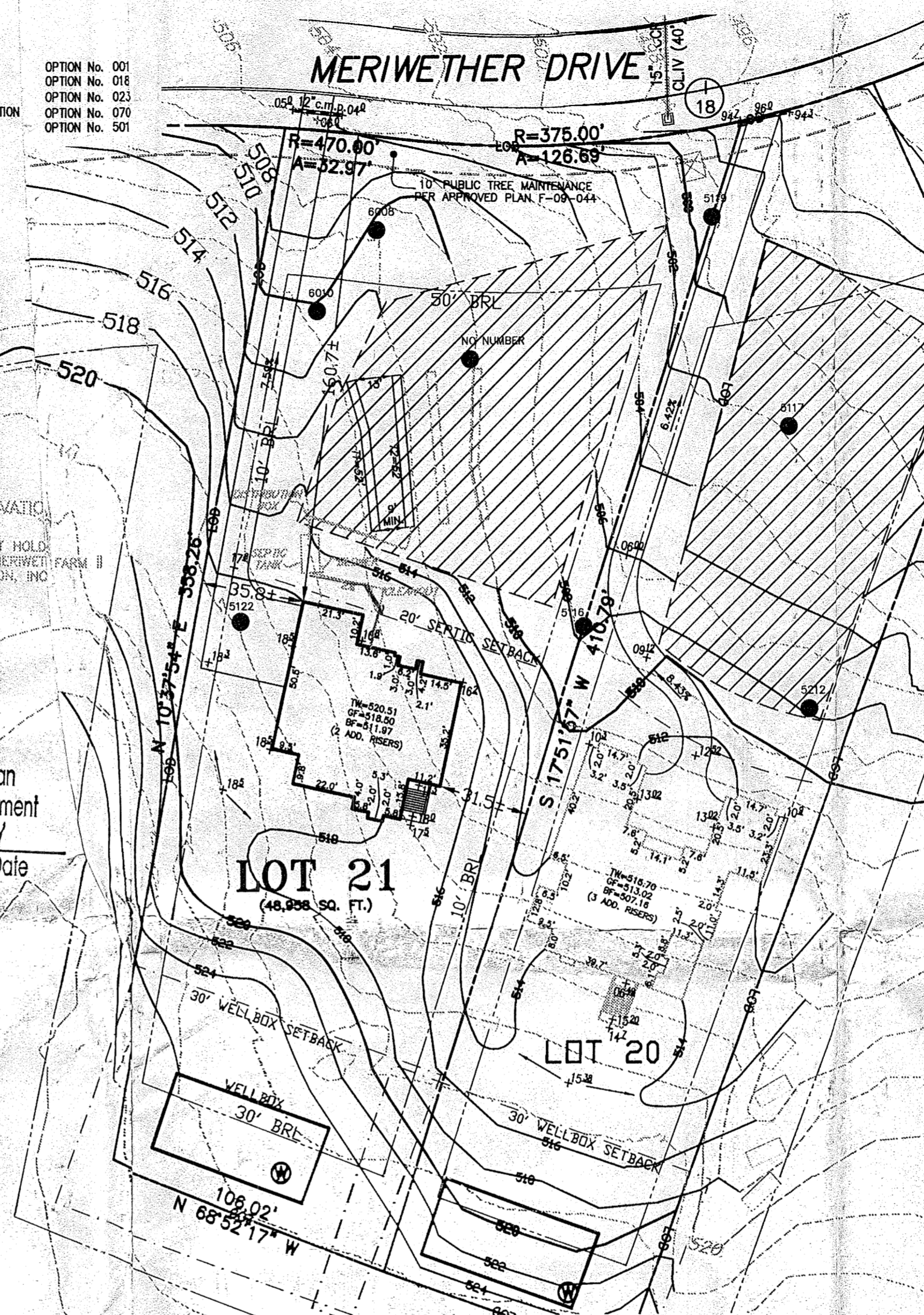
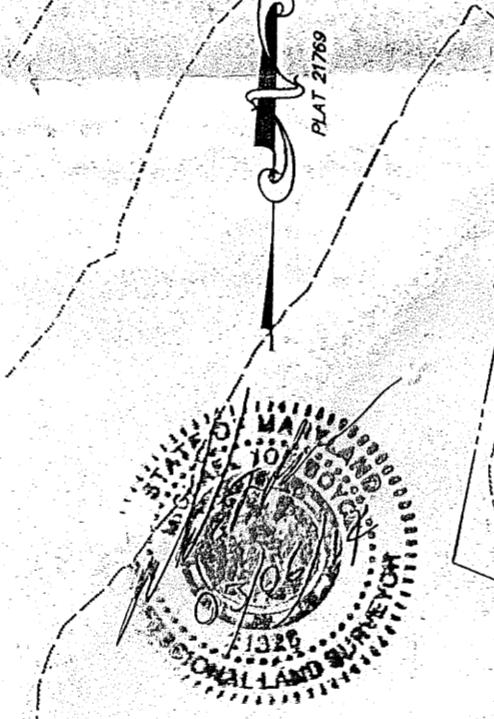
LEGEND:

- PERC TEST LOCATION
- W WELL LOCATION
- LOD- LIMITS OF DISTURBANCE
- TW TOP OF WALL
- GF GROUND FLOOR/FIRST FLOOR
- BF BASEMENT FLOOR
- BRL BUILDING RESTRICTION LINE

PART OF BUILDABLE PRESERVATION PARCEL "A"
PRIVATELY OWNED EASEMENT HOLD
HOWARD COUNTY, MARYLAND AND MERIWETHER FARM II HOMEOWNERS ASSOCIATION, INC

Approved Septic System Plan
Howard County Health Department

Signature: [Signature] Date: 3/10/14



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. 21769.
- THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD 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: 48,958 SQ. FT. / 1:12 AC.±
- STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-09-044
- 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-09-044.
- 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-95-2159 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 PER F-09-044.

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.

SEWAGE DISPOSAL SYSTEM DATA (4 BDRM):

PROPOSED INVERT AT FOUNDATION WALL: 514.6'
 1. E60 ECOPOD SYSTEM
 EX. GRADE OVER TANK: 516.0'
 PROPOSED GRADE OVER TANK: 516.4'
 INVERT IN: 513.7' INVERT OUT: 513.4'
 2. DISTRIBUTION BOX
 EXISTING GRADE OVER TANK: 516.0'
 PROPOSED GRADE OVER TANK: 516.0'
 INVERT IN: 513.3' INVERT OUT: 513.0'
 3. TRENCH DESIGN (4 BDRM x 150 GPD/BDRM = 600 GPD)
 600 GPD + 1.2 APP. RATE = 500 SF
 USE 3' WIDE TRENCH WITH 36" GRAVEL BELOW PIPE
 9' MIN. SPACING BETWEEN TRENCH EDGES
 500 SF + 3' WIDTH = 167 LF x 0.82 = 104 LF MIN. TRENCH
 USE 2 52' LONG TRENCHES = 104 LF
 BASEMENT NOT SERVICED VIA GRAVITY SEWER

TRENCH DATA

BOTTOM MAX. DEPTH (6")
TRENCH 1 (1):
 GROUND ABOVE = 513.6'
 INV. IN = 510.6'
 BOTTOM TRENCH = 507.6'
TRENCH 2 (2):
 GROUND ABOVE = 512.3'
 INV. IN = 509.3'
 BOTTOM TRENCH = 506.3'

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____
 DIRECTOR _____ DATE _____
 PROFESSIONAL ENGINEER _____ DATE _____

SITE PLAN FOR BAT INSTALLATION
LOT 21
MERIWETHER FARMS
 LIBER 13779, FOLIO 490
 PLAT No. 21769
 TAX No. 04-593662
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ADDRESS: 14885 MERIWETHER DRIVE
 GLENELG, MARYLAND

ESE Land Planning
 Engineering
 Land Surveying
 ESE Consultants Inc.
 7164 Columbia Gateway Dr.
 Suite 203
 Columbia, MD 21046
 TEL: 410-872-9105
 FAX: 410-872-4870
 DATE: 03/06/14 SCALE: 1"=40' FILE: PP LOT 21
 CHK'D: MJB JOB NO: 3184 DRAWN: R.C.K.

