

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: 12/18/12 **ONSITE SEWAGE DISPOSAL SYSTEM** P 544458-A

# PERMIT

INSTALLATION APPROVAL DATE: 3/13/2013 A \_\_\_\_\_

## CONSTRUCTION

1628

PROPERTY ADDRESS: 14849 Meriwether Drive

SUBDIVISION: Meriwether Farm LOT: 15 TAX ID: 04-593656

CONTRACTOR: Fogles Septic Clean Inc. EMAIL: kurt@foglesinc.com

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

PROPERTY OWNER: Toll MD VIII LP EMAIL: \_\_\_\_\_

OWNER ADDRESS: 7164 Columbia Gateway Drive, Columbia, MD 21046 PHONE: 410-992-5878

SEPTIC TANK SIZE (GALLONS): 2000

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. 3,850 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>155 195'</u>	INLET DEPTH: <u>4.5'</u>
	TRENCH WIDTH: <u>3 3x65'</u>	MAXIMUM BOTTOM DEPTH: <u>16.0'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5</u>
LOCATION:	<b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:	Set septic tank per plan. Set distribution box per plan. Install 2 x 78' trenches on contour. Basement will not sewer by gravity.	

ISSUED BY: Heidi Scott ISSUE DATE: 12/18/12 EXPIRATION DATE: 12/18/13

- 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

See As-Built Drawing  
On Separate Sheet

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
<u>3</u>	<u>4.5</u>	
NUMBER OF TRENCHES	<u>3</u>	
TOTAL LENGTH	<u>194'</u>	
ABSORPTION AREA	<u>582+Sidewall</u>	
DISTRIBUTION BOX LEVEL	<u>Levelers</u>	
DISTRIBUTION BOX BAFFLE	<u>Yes</u>	
DISTRIBUTION BOX PORT	<u>Yes</u>	

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	<u>Yes</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>1'-3"</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front+Rear</u>
6" PORT LOC	<u>None</u>
WATERTIGHT TEST	<u>No</u>
SLOTTED	<u>Yes</u>
DATE ON LID	<u>1/7/2013</u>

~~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:**

1/29/2013 Install two upper and one lower 65' trench on contour across the top of the easement. Set the tank above the septic easement. (BB)

**INSTALLATION:**

2/14/2013 Tank and dist. box set. (BB)

2/15/2013 System finished except for house connection. (BB)

3/7/2013 House connection finished except for last foot or two at house. Need to complete house connection. (BB)

3/13/2013 House connection made. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

3/13/2013



SEPTIC SPECIFICATIONS WORKSHEET

Subdivision Meriwether Farms A \_\_\_\_\_  
 Street Name 14849 Meriwether Dr. Lot Number 15  
 Average Percolation Rate (min./in.) 10.6 min./inch Application Rate (GPD/sq. ft.) 0.8  
 Number of Bedrooms 4 Design Flow (#BRx150) = 600  
 Square Footage (of House) 3,850 Septic Tank Capacity (gal.) 2,000  
 Sidewall Credit / % Reduction 2 feet 62% Total Length of Trench (ft.) 155'

**\*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.**

**\*All Septic tanks must be compartmented unless otherwise approved by this agency.**

Baffle Filter Required? Yes  No

TRENCH DIMENSIONS: Trench to 3 feet wide. Inlet is at 4 feet below original grade with 3 feet of stone below the distribution pipe. Bottom maximum depth is 7 feet below original grade. Effective sidewall begins at 5 feet below original grade. Maintain at least 9 feet spacing between trenches.

PUMP SYSTEM PROPOSED? YES  NO

Pump system details: \_\_\_\_\_ gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

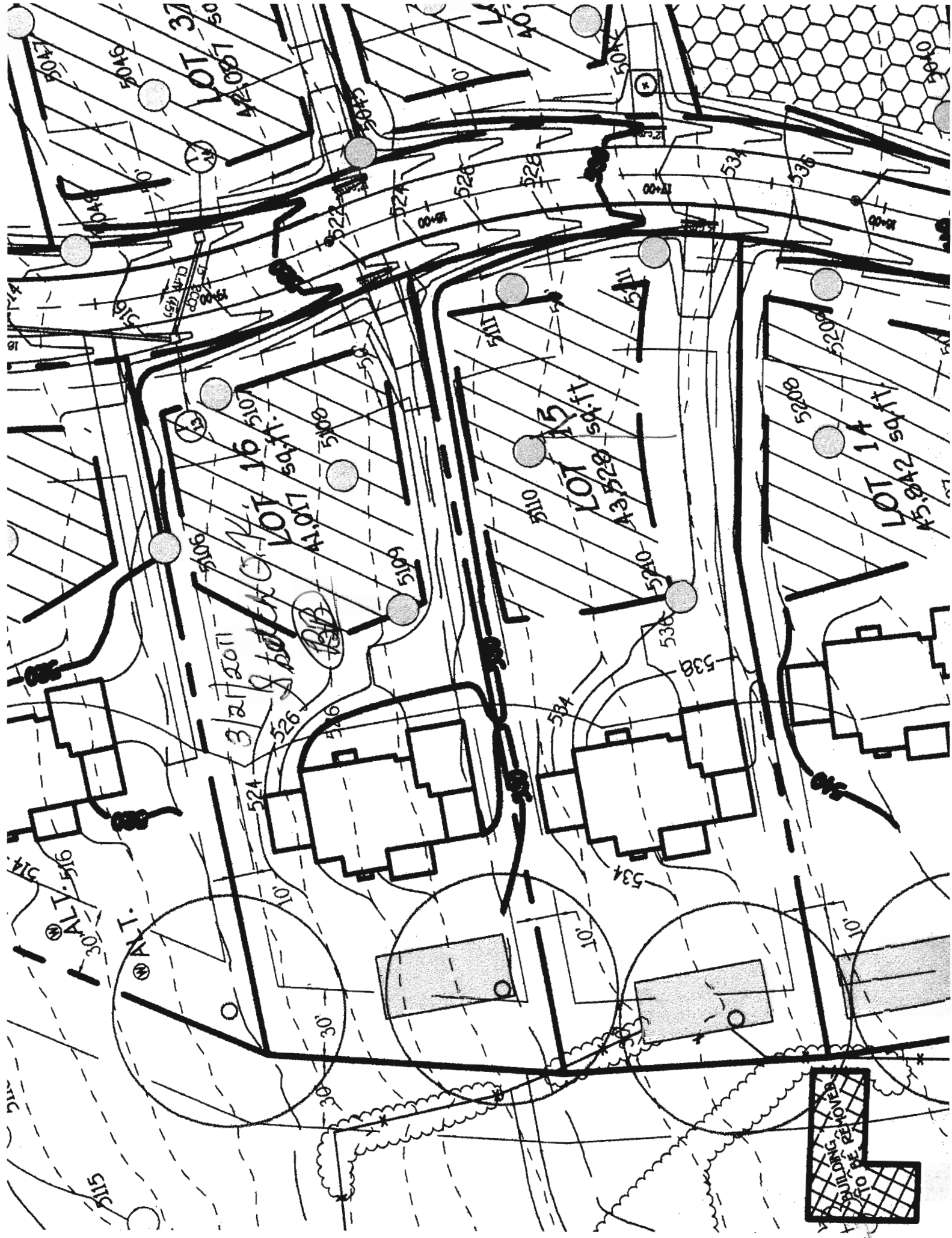
LOCATION:

1. Set septic tank per plan.
2. Set distribution box per plan.
3. Install 2x78' trenches on contour
4. Basement will not sewer by gravity.

ADDITIONAL NOTES **Do not** order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Reviewed by: HS

Date: 10/12/12





LOT 15  
43,527 S.F.

S 80°52'00" E 352.26'

20' SEPTIC  
SETBACK

33.4'

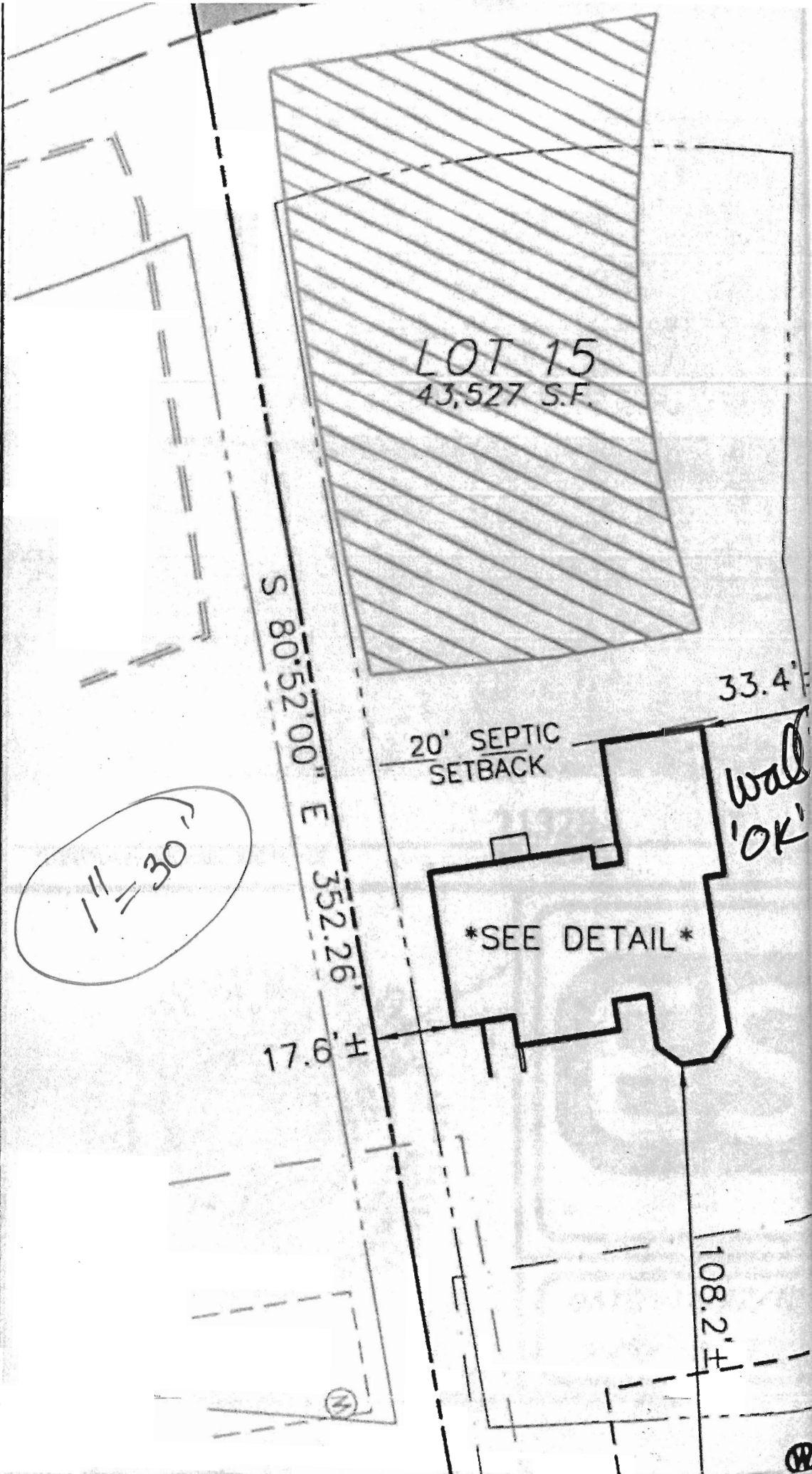
Wall  
'OK'

\*SEE DETAIL\*

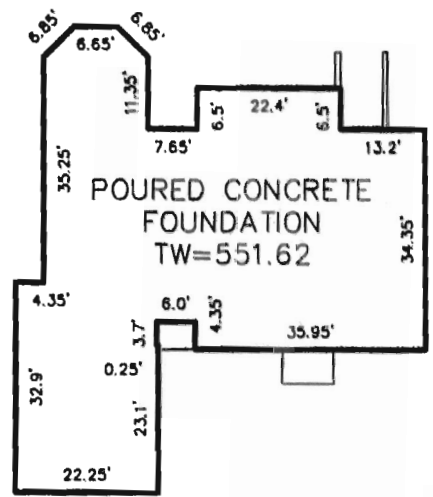
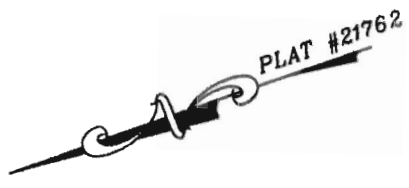
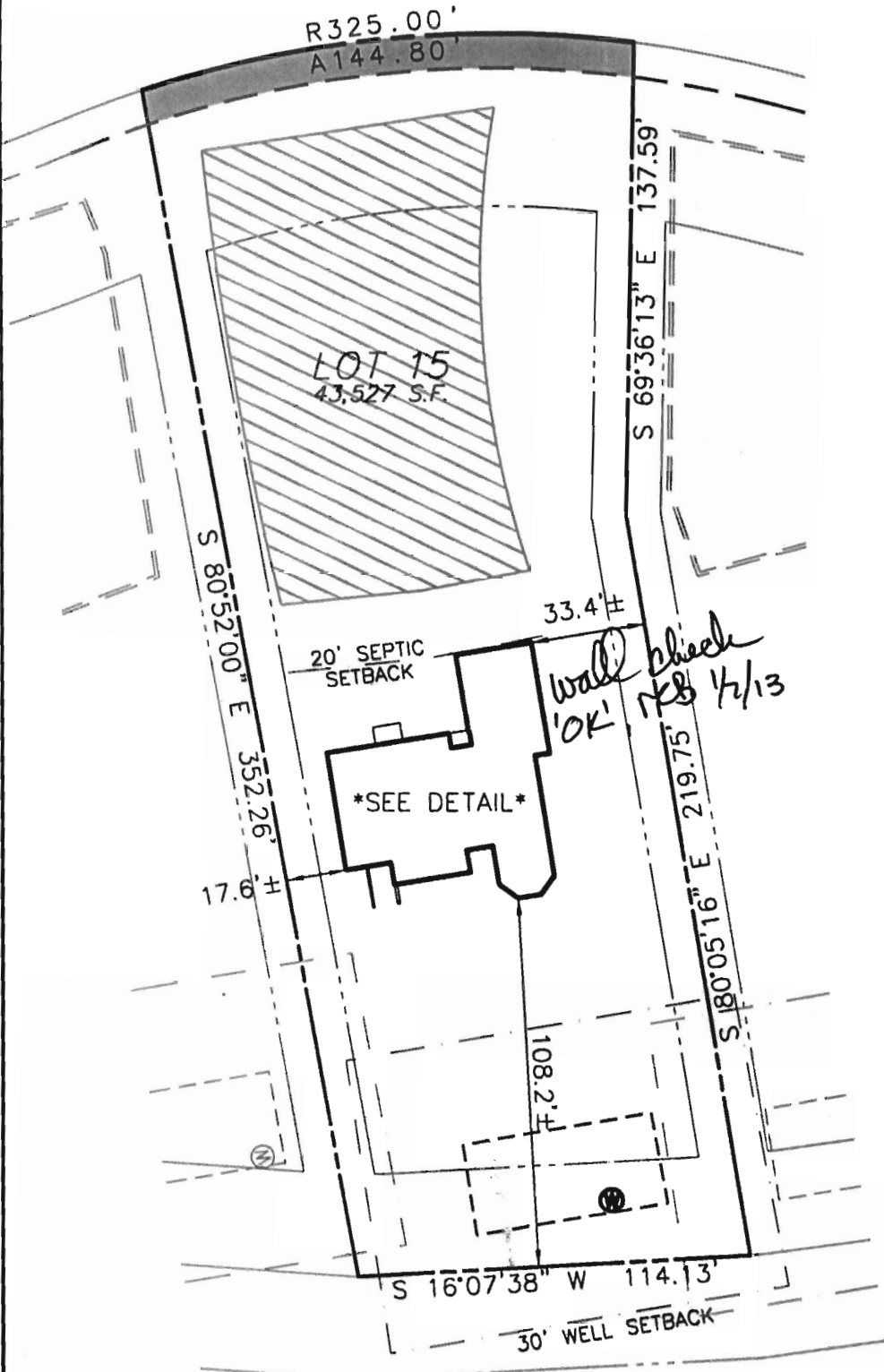
17.6' ±

108.2' ±

1" = 30'



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 1/8/13.



HOUSE DETAIL  
1" = 30'

= EASEMENT = SEPTIC AREA

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: 14849 MERIWETHER DRIVE  
GLENELG, MD 21737

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

SIGNATURE: MICHAEL JOE BOYCE MD. LIC NO. DATE

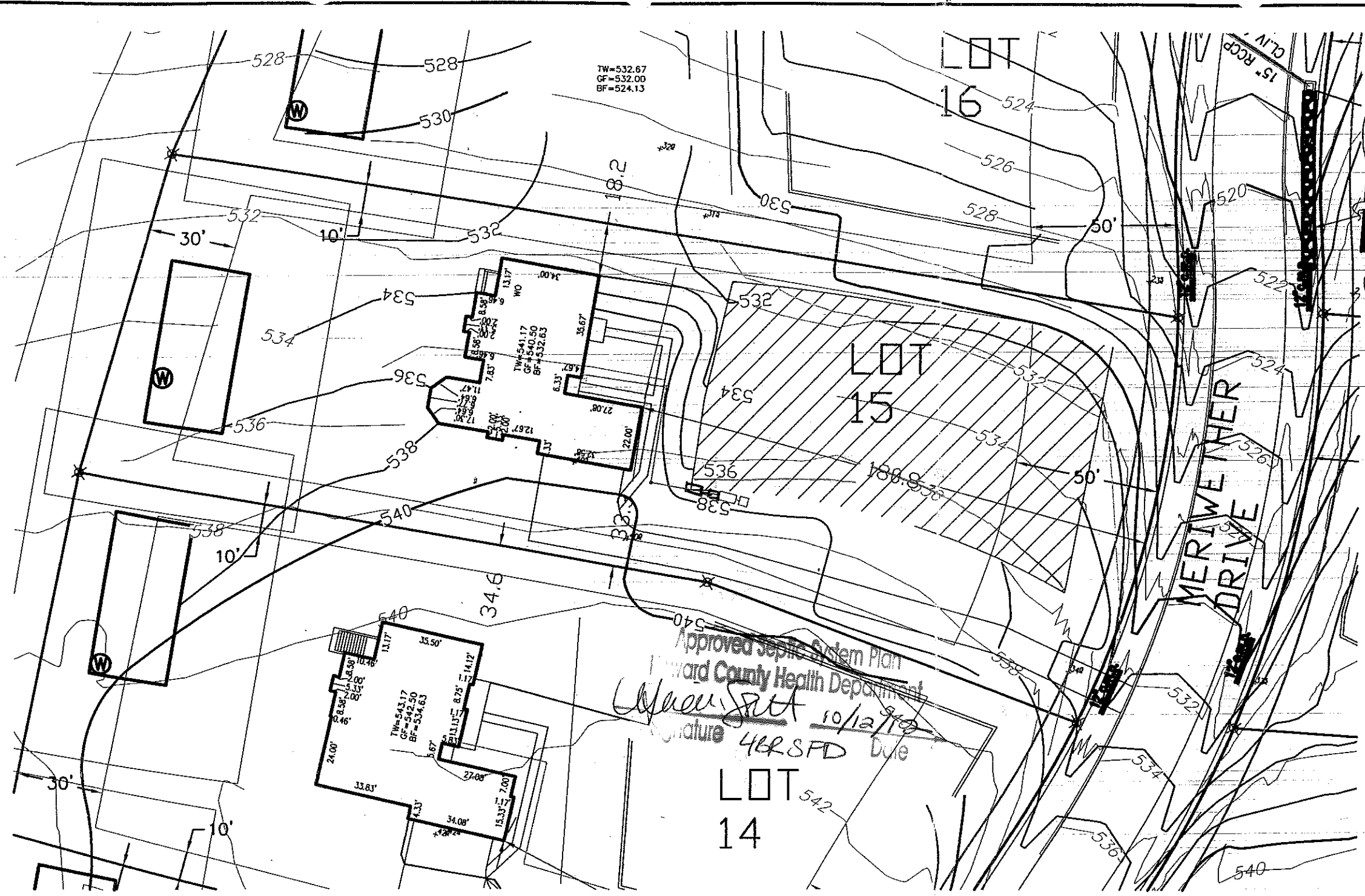
WALL CHECK  
LOT #15  
**MERIWETHER FARMS**

LIBER 12124, FOLIO 0120  
PLAT No. 21769, ET SEQ  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND



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

DATE: 11/27/12 SCALE: 1"=50' FILE: LOT-15  
CHK'D: M.J.B. JOB#: 3184 DRAWN: C.E.R.



THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2067) HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. - 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.

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 IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE 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.

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: 14849 MERIWETHER DRIVE  
GLENELG, MD 21737

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

INV. @ HOUSE	536.1
GROUND @ INV. @ HOUSE	539.0
INV. IN TANK	534.4
INV. OUT TANK	534.1
TOP OF TANK	535.1
GROUND OVER TANK	537.5
INV. IN DIST. BOX	533.8
INV. OUT DIST. BOX	533.5
GROUND @ BOX	537.5

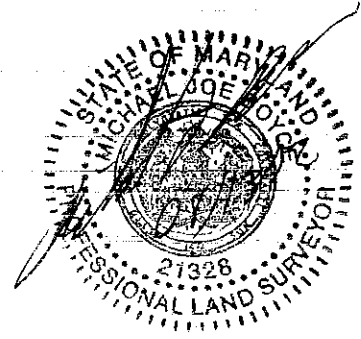
BASEMENT DOES NOT GRAVITY SEWER

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

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

TYPE: CHELSEA (MAN)-  
3 CAR SIDE ENTRY GARAGE  
EXPANDED FAMILY ROOM/GREAT ROOM  
COUNTRY KITCHEN  
ADD'L 1' TO HEIGHT OF BASEMENT  
NAPLES SUNROOM ADDITION

OPTION No. 001  
OPTION No. 023  
OPTION No. 103  
OPTION No. 070  
OPTION No. 529



PLOT PLAN  
LOT #15  
**MERIWETHER FARMS**  
LIBER 12124, FOLIO 120  
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: 08/13/12      SCALE: 1"=40'      FILE: LOT 15 PP  
CHK'D: MJB      JOB#: 3184      DRAWN: MJB

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. 21245, EXPIRATION DATE 1/27/13.

## Davis, Michael J

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**From:** Michael Boyce [MBOYCE@eseeng.com]  
**Sent:** Friday, June 08, 2012 9:02 AM  
**To:** Davis, Michael J  
**Subject:** RE: Meriwether Farms

Yes they are 2 ft thanks

-----Original Message-----

**From:** Davis, Michael J [mjdavis@howardcountymd.gov]  
**Sent:** Friday, June 08, 2012 08:00 AM Eastern Standard Time  
**To:** Michael Boyce  
**Cc:** Jeff Driscoll; Tmorris@delmarvasite.com; Kyle Murray (KMurray@delmarvasite.com)  
**Subject:** RE: Meriwether Farms

Mike,

The plan you dropped off looks fine if the contour is at two foot intervals, which I assume it is. Please confirm and then I will document the approved grading in the septic reserve area so it doesn't draw a red flag at the time of the septic system installation.

Michael J. Davis  
Assistant Director  
Bureau of Environmental Health  
Howard County Health Department

### CONFIDENTIALITY NOTICE

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**From:** Michael Boyce [mailto:MBOYCE@eseeng.com]  
**Sent:** Wednesday, June 06, 2012 9:55 AM  
**To:** Kyle Murray (KMurray@delmarvasite.com)  
**Cc:** Jeff Driscoll; Tmorris@delmarvasite.com; Davis, Michael J  
**Subject:** Meriwether Farms

All,

I met with Tracy Morris with Delmarva 6-5-12 to discuss grading into septic areas on lots 13-16 and 36-39. I went over the restrictions as discussed at a previous site meeting with Mike Davis from Howard County health department;

we can go up to 15' into the septic areas on these lots in order to reduce the slope along the road and driveways. Up to 2' of dirt can be excavated out and feathered out to existing grade at the 15' mark.

We also discussed installing some sort of protective fencing after excavation in order to protect the area from further compaction.

Please let me know if you have any questions.