

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: 12/18/13 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 546222

INSTALLATION APPROVAL DATE: 12/17/14 RB

**PERMIT
CONSTRUCTION**

A 527862

PROPERTY ADDRESS: 2514 Goose Chase Way

SUBDIVISION: Cloverfield II LOT: 6 TAX ID: 03-353435

CONTRACTOR: WTC Contracting EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: Spring Mill LLC. EMAIL: _____

OWNER ADDRESS: P.O. Box 417 8460 Baltimore National Pike, Ellicott City, MD 21041 PHONE: 410-465-4244

BAT UNIT MODEL: EcoPod BAT UNIT SIZE: _____

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

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. 3500+ APPLICATION RATE: 1.2 OK

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>103.33'</u>	INLET DEPTH: <u>3</u> ✓
	TRENCH WIDTH: <u>3</u> ✓	MAXIMUM BOTTOM DEPTH: <u>5</u> ✓
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</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 layout inspection Set distribution box per layout inspection. <u>2x52'</u> Install 103.33' of trench on contour.	

ISSUED BY: Dana Bernard ISSUE DATE: 12/18/13 EXPIRATION DATE: _____

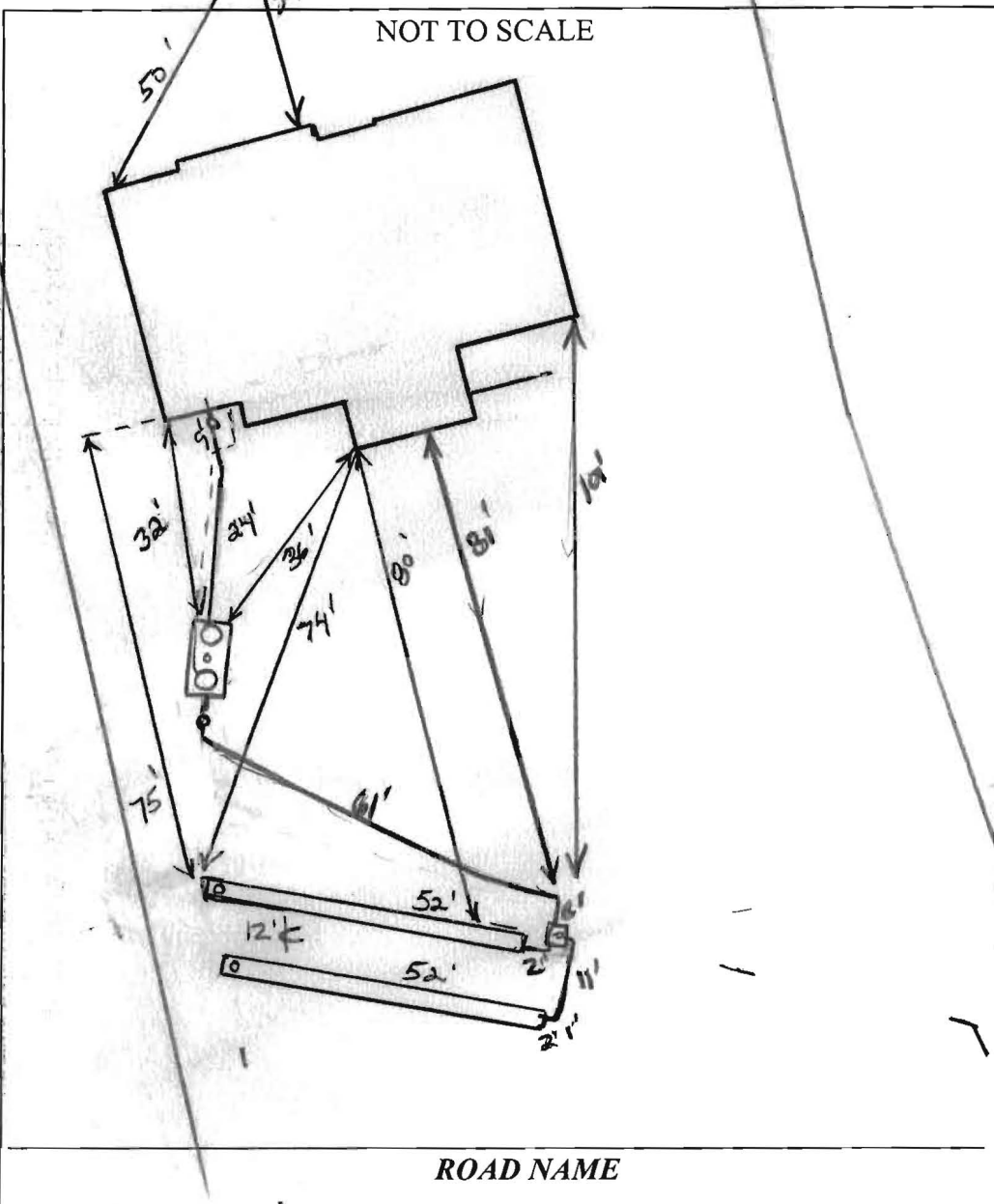
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- 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
- 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'	5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		3/2' x 5W'
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Ecopack/Babylon
CAPACITY	E60 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	Front 6"
BAFFLE FILTER	N/A
MANHOLE LOC	Front/Rear
6" PORT LOC	center w/ Test Port
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	N/A
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	

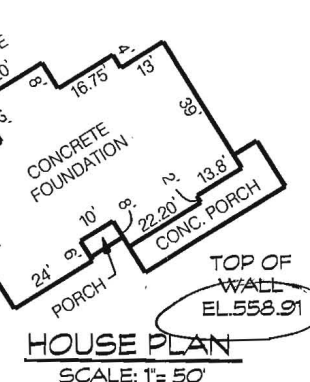
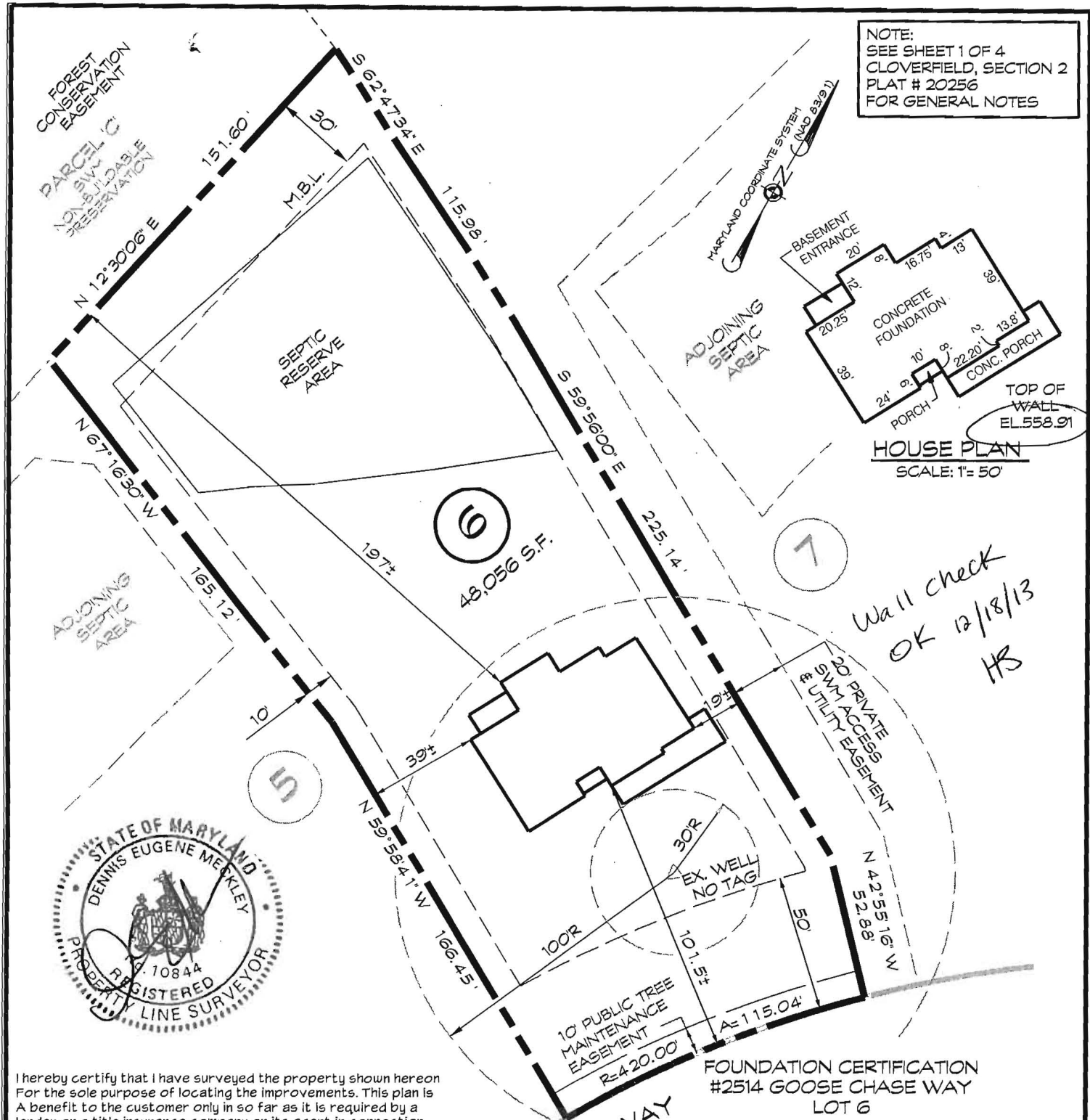
PRE-CONSTRUCTION:

1/19/14 BAT unit not staked. sewer out located same as per approved BAT site plan. Contour shot in field, set D box top/center of SRA, and install 2x52' trenches running back towards Lot 7. Lot cleared, elevations differ by 3" stake to stake. Can not proceed w/ install until septic tank loc is staked. Trench specs OK as shown. Call when tank loc gets staked. (KW) 1/21/14 (Phone call) Snow Day

INSTALLATION: Liberal leave - called contractor to find out if they are coming w/ps. that were called on due to inclement weather. He explained not working today but did however finish Lot 6. No inspections were made, told contractor to dig up everything. (KW) 1/29/14 Nothing uncovered. Tried to locate tanks and trenches but snowy conditions made it difficult. (KW) 1/29/14 Contractor installed Dist. box @ wrong location! Everything uncovered except for House connection. Explained to contractor of not calling w/ps in will force towncover entire system! Need to re-route plumbing to center of SRA. Call when work is complete. (KW)

FINAL INSPECTOR K. Hoff DATE OF APPROVAL 6/17/14
 1/30/14 D box re-routed to center of SRA as explained in layout, D box hooked. OK to cover work. Need BAT unit startup (KW)

NOTE:
SEE SHEET 1 OF 4
CLOVERFIELD, SECTION 2
PLAT # 20256
FOR GENERAL NOTES



Wall check
OK 12/18/13
HS



I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the customer only in so far as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements. Offsets of buildings to property lines are to the nearest foot (1') unless otherwise noted.

By: *Dennis E. Meckley* Date: 12/02/13
Dennis E. Meckley Property Line Surveyor No. 10844
License expires March 29, 2014

A licensed Maryland Surveyor either personally prepared this Location Drawing, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with the Maryland Minimum Standards of Practice for Land Surveyors. (COMAR 09-13-06.06 AND .12)

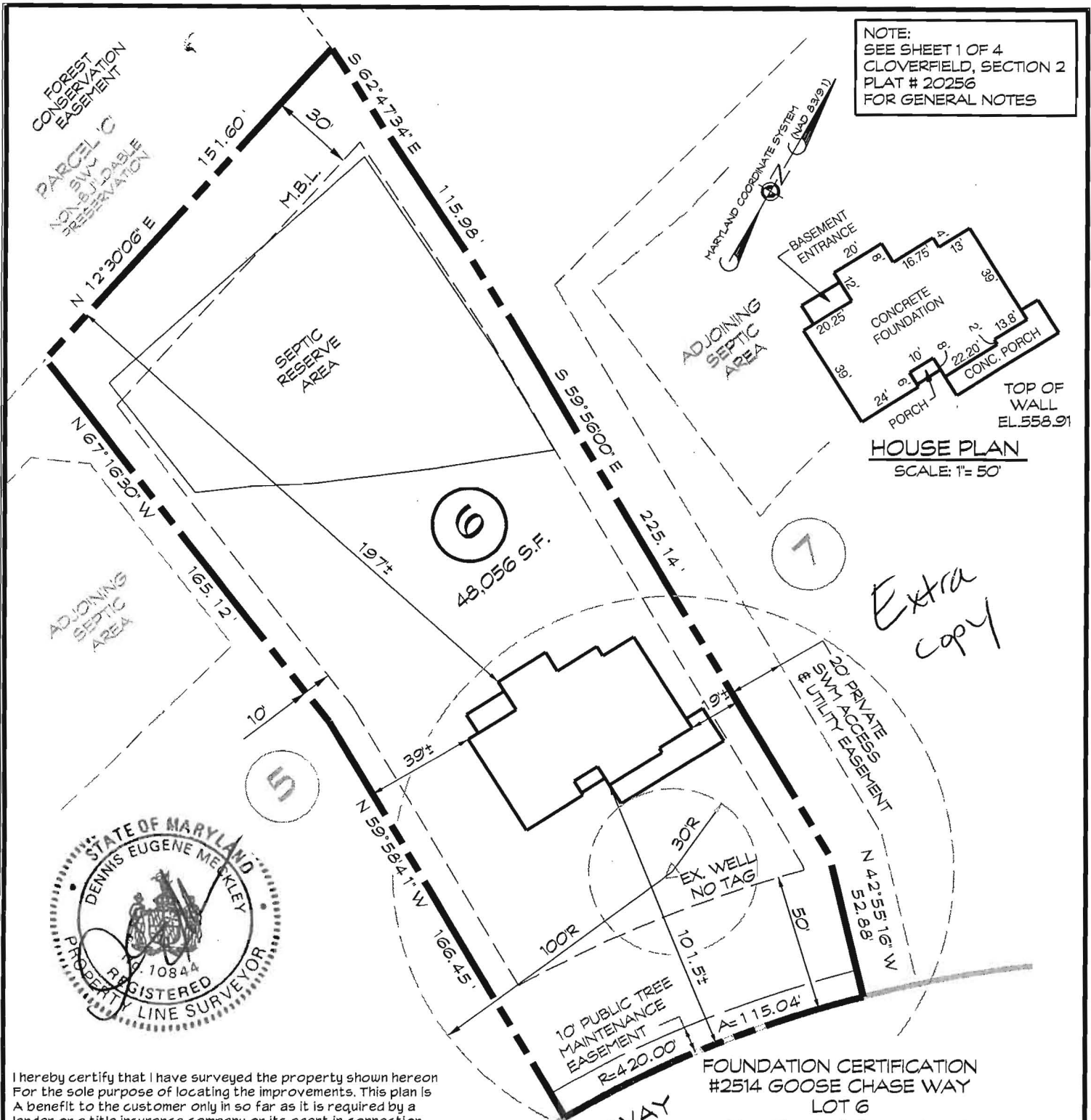
FOUNDATION CERTIFICATION
#2514 GOOSE CHASE WAY
LOT 6
CLOVERFIELD
SECTION II
3RD ELECTION DISTRICT • HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119
RECORDED PLAT NO. 20257



439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

DRAWN BY:	KMB
DESIGN BY:	
REVIEW BY:	DEM
DATE:	11-26-13
SCALE:	1" = 50'
JOB NO:	2013039
SHEET:	1 OF 1

NOTE:
SEE SHEET 1 OF 4
CLOVERFIELD, SECTION 2
PLAT # 20256
FOR GENERAL NOTES



HOUSE PLAN
SCALE: 1" = 50'

Extra copy



I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the customer only in so far as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements. Offsets of buildings to property lines are to the nearest foot (1') unless otherwise noted.

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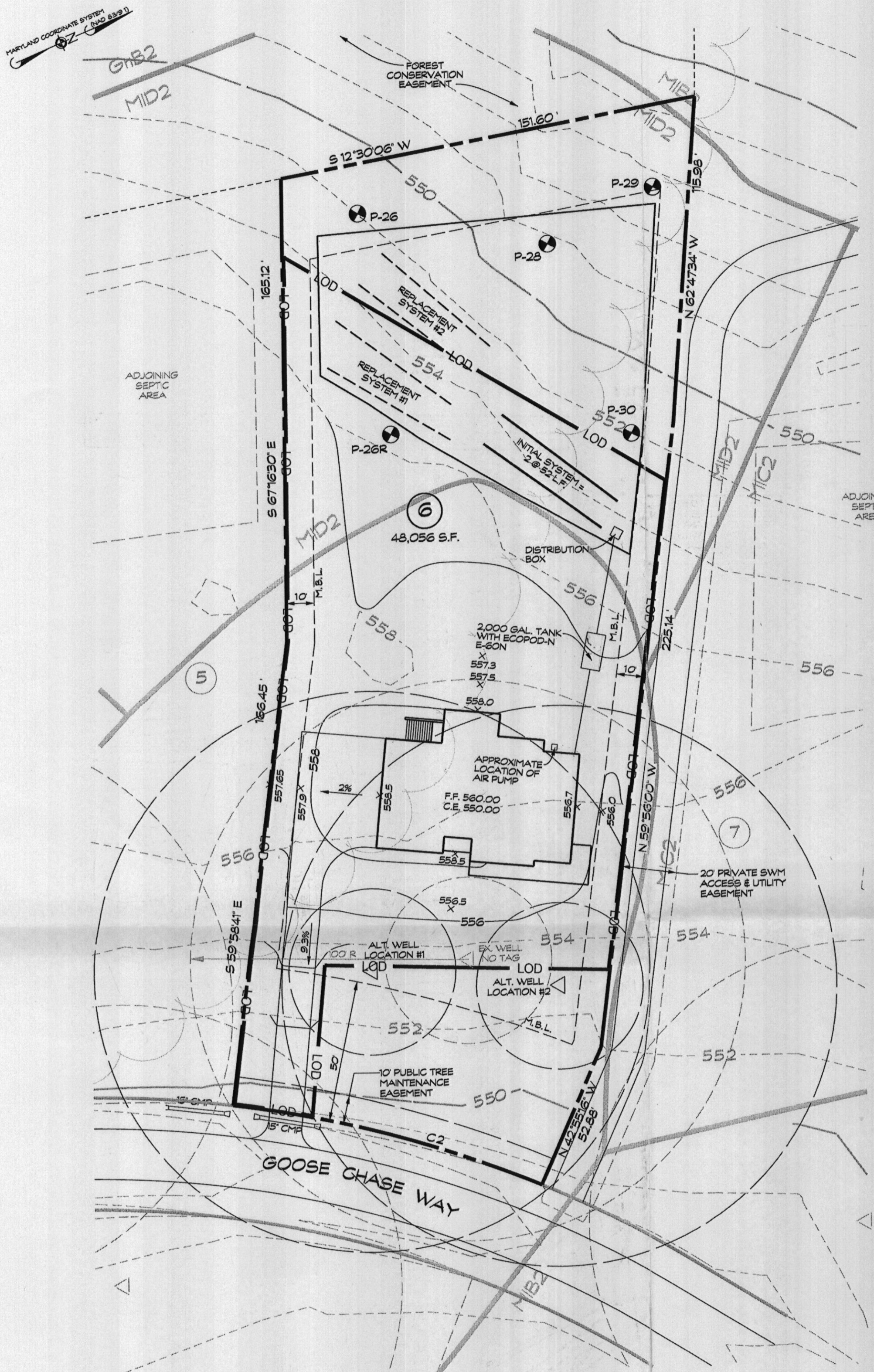
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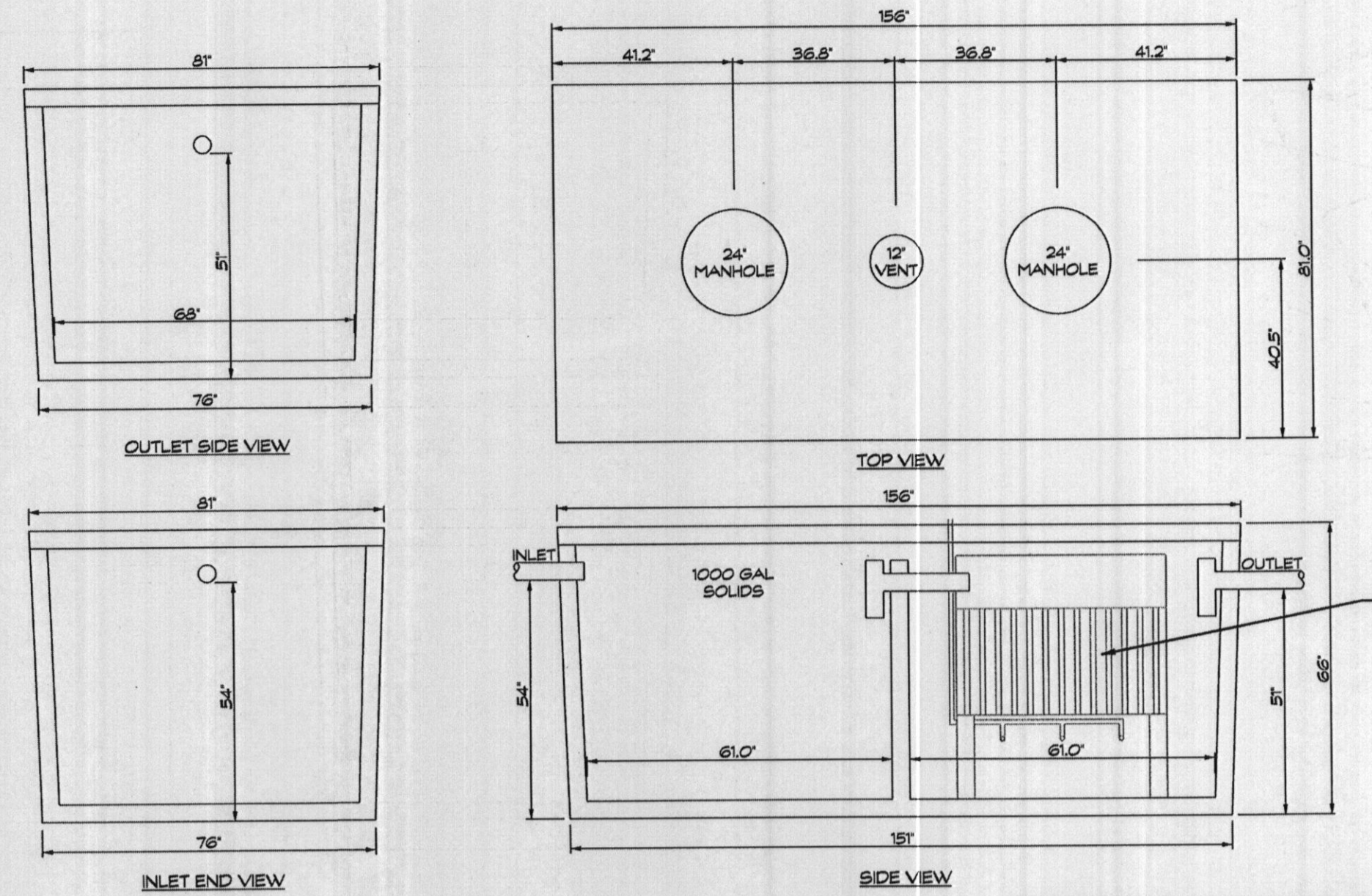


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LOD DENOTES LIMIT OF DISTURBANCE
TOTAL AREA = 29,999 S.F.



BAT TANK DETAIL
VAULT SPECIFICATIONS PROVIDED BY BARYLON VAULT COMPANY.
SCALE: 3/8" = 1'

CONTRACTOR TO INSTALL ECOPOD-N SERIES E60-N TREATMENT PLANT IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS

NOTE: ECOPOD-N SERIES MANUFACTURED BY DELTA ENVIRONMENTAL PRODUCTS

GENERAL NOTES

1. THE STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED OFF-SITE IN THE TWO MICROPOOL EXTENDED DETENTION FACILITIES AND GRASSED SWALES PER THE RECORDED PLAT NO. 20256.
2. THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT.
3. THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
4. EXISTING WELL LOCATION IS FIELD LOCATED.

SEPTIC SYSTEM TRENCH DESIGN:

HOUSE SQUARE FOOTAGE: 3,023 S.F.
PROPOSED NUMBER OF BEDROOMS = 4
AVERAGE PERCOLATION TEST TIME = 4 MINS.
APPLICATION RATE = 1.2 GPD/SQ. FT.
DESIGN FLOW: 150 GALS x 4 BEDROOM = 600 GAL/DAY
600 GAL/DAY / 1.2 GAL./DAY/SQ. FT. = 500 SQ. FT.
500 SQ. FT. / 3 FT. = 166.66 L.F. OF TRENCH
166.66 L.F. x 0.62 = 103.33 L.F. OF TRENCH
USE 2 - 52 L.F. OF TRENCH FOR EACH SYSTEM

NOTE: SEPTIC SYSTEM TRENCH DESIGN PROVIDED BY HOWARD COUNTY HEALTH DEPARTMENT.

NOTE: SEPTIC DISPOSAL AREA AND PERCOLATION TEST LOCATIONS ARE FROM REVISED PERCOLATION CERTIFICATION PLAN DATED OCTOBER 2007 AND SIGNED BY HOWARD COUNTY HEALTH DEPARTMENT OCTOBER 5, 2007.

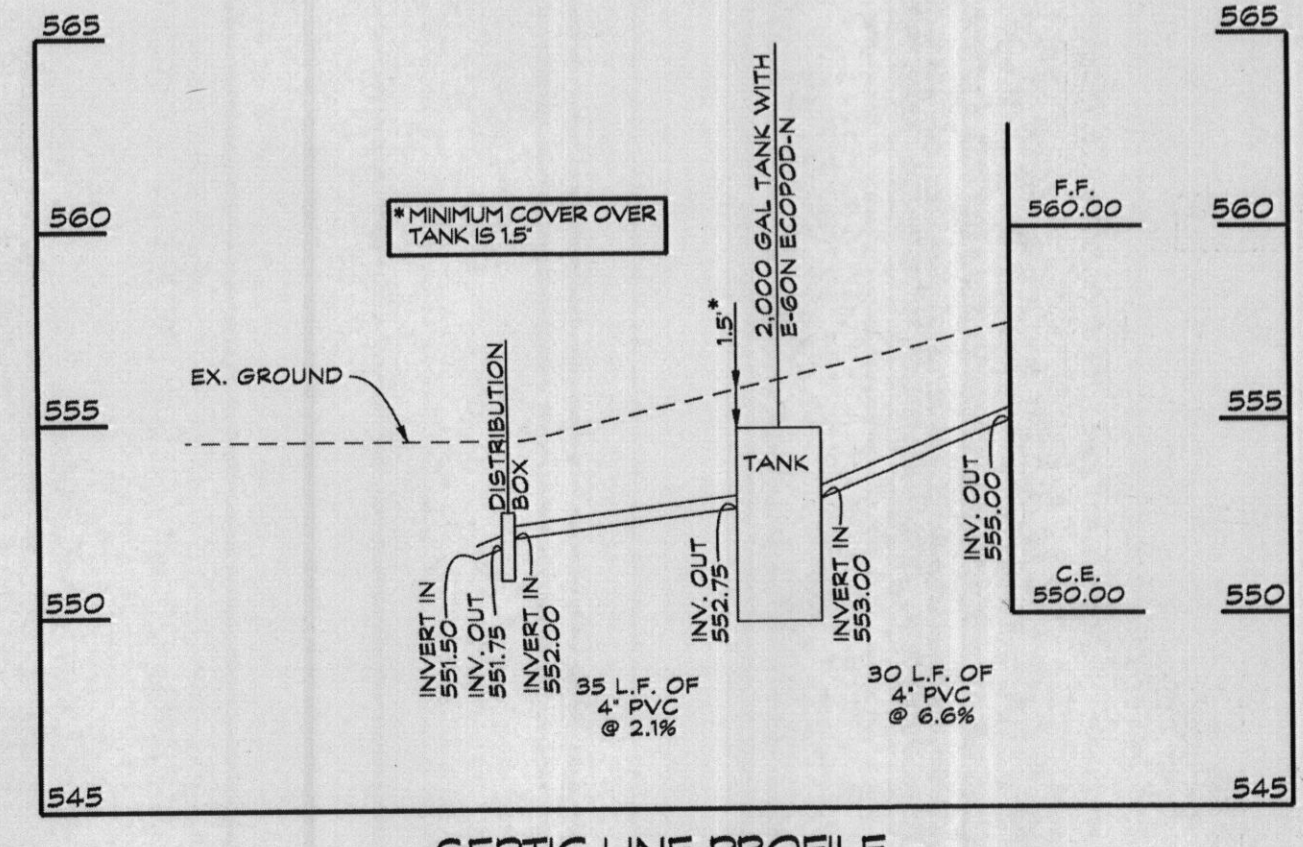
Handwritten note: Bat Plan OK DB 10-30-18

OWNER/DEVELOPER
SPRING MILL LLC
P.O. BOX 417
ELICOTT CITY, MD 21041

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C2	420.00	115.03	15°41'34"	57.88	N 37°52'06" E	114.68

PLAN
SCALE: 1" = 30'

LEGEND:
X 582.5 SPOT ELEVATION
2.5% FLOW PATH & SLOPE
▲ EX. WELL
● APPROVED PERC TEST



SEPTIC LINE PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 5'

BAT SITE PLAN NOTES

1. 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.
2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET.
3. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
4. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
5. 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.
6. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
7. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OR HOWARD COUNTY.
8. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
9. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURER'S SPECIFICATIONS.

SITE PLAN FOR BAT INSTALLATION
SPRING MILL LLC
2514 GOOSE CHASE WAY
TAX ACCOUNT NO.: 353435
LOT 6
CLOVERFIELD- SECTION II
3RD ELECTION DISTRICT * HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119

Signature: Linda D. Alexander
Linda D. Alexander
Qualified Professional



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Date	Revisions	Drawn By: BM1
		Designed By: LDA
		Reviewed By: LDA
		Date: 10/1/13
		Scale: 1" = 30'
		Job No.: 2013039
		Sheet: 1 OF 1