

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: 11/21/13

ONSITE SEWAGE DISPOSAL SYSTEM

P 545198

INSTALLATION APPROVAL DATE: 11/20/14

PERMIT CONSTRUCTION

A 527862

PROPERTY ADDRESS: 2519 Goose Chase Way

SUBDIVISION: Cloverfield II

LOT: 4

TAX ID: 03-353419

CONTRACTOR: WTC Contractors

EMAIL: wtccoon@aol.com

CONTRACTOR ADDRESS: 3033 Salem Bottom Road Westminster, MD 21157

PHONE: 410-875-9771

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: Pentar- Ecopod-N

BAT UNIT SIZE: E60-N

PUMP CHAMBER CAPACITY (GALLONS): _____

PUMP SIZE: N/A

NUMBER OF BEDROOMS: 4

HOUSE SQ. FT. ±3500

APPLICATION RATE: 1.2

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>2 x 52'</u> Install 103.33 feet of trench on contour.	

ISSUED BY: Dana Bernard

ISSUE DATE: 11-21-13

EXPIRATION DATE: 11-21-14

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

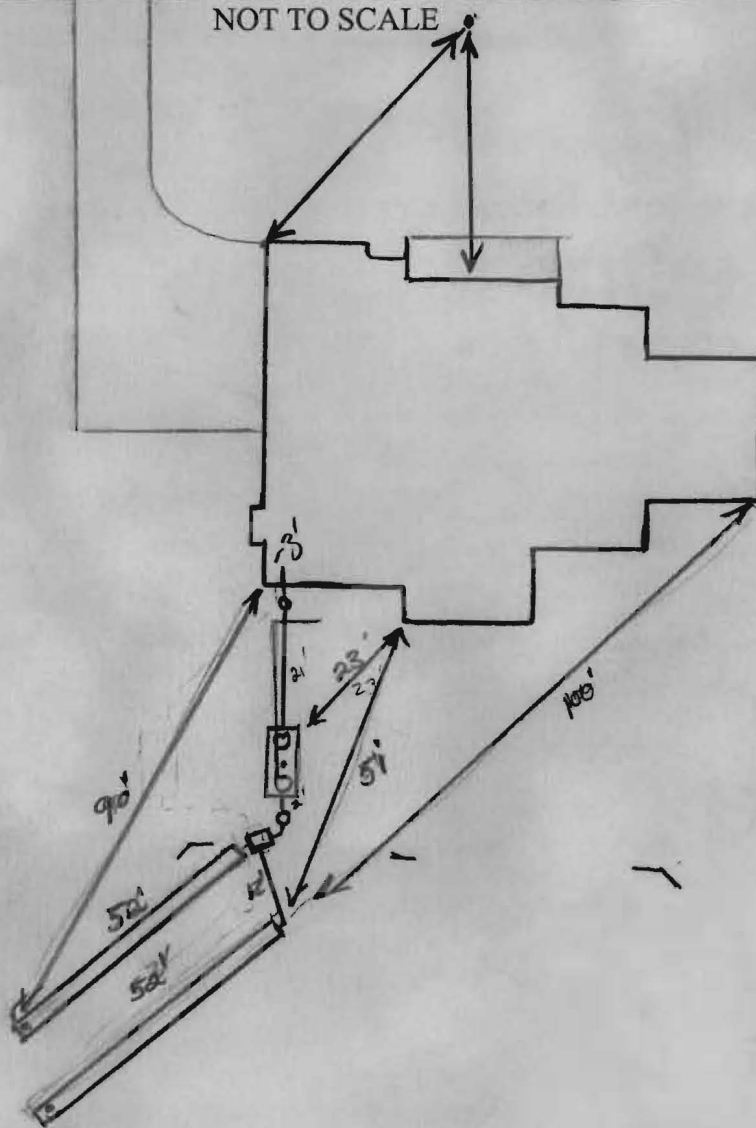
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

H0-95-1335

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		104'
ABSORPTION AREA		3 1/2' x SW
DISTRIBUTION BOX LEVEL		Leveler's
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Eucopd/Byggen
CAPACITY	ELON GAL
SEAM LOC	TOP
TANK LID DEPTH	2-3'
BAFFLES	Front
BAFFLE FILTER	-
MANHOLE LOC	Front/Rear
6" PORT LOC	Center
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	11-31-14

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:

1/13/14 sewer location not coming out where shown on plan. Will need a revised BAT site plan to show changes unless corrected. Walked on-site for builder to confirm. meantime, shot elevations for trench locations. Install 2x52' trenches on contour as pointed out in field. Tank loc needs to be staked prior to starting.

INSTALLATION: 1/13/14 (pri) arrived back on-site to confirm w/ builder sewer out location is installed per BAT site plan. OK to proceed after confirmation of BAT location is taken. 1/28/14 BAT unit set. Top trench complete. OK to continue. No one on-site. (KW)

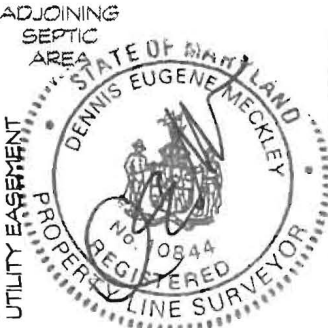
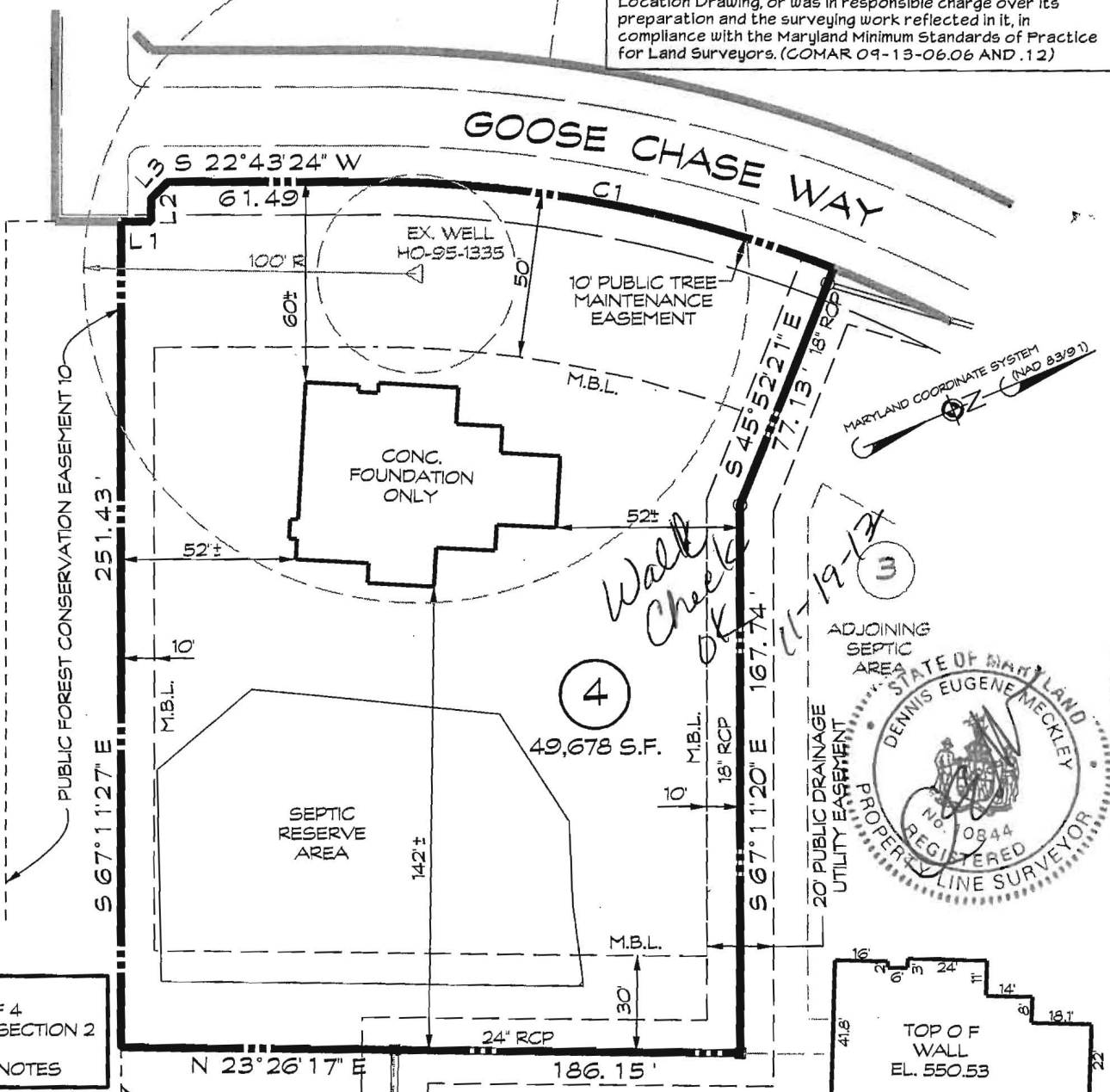
1/29/14 system complete. Dbox leveled. OK to cover all work. Need BAT startup and certification from manufacturer prior to final approval (KW) Eucopd start-up received. (KW)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 5/30/14

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)

GOOSE CHASE WAY

BUILDABLE PRESERVATION PARCEL 'B'
PRIVATELY OWNED
HOWARD COUNTY AGRICULTURAL LAND
PRESERVATION PROGRAM EASEMENT
HOLDER



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

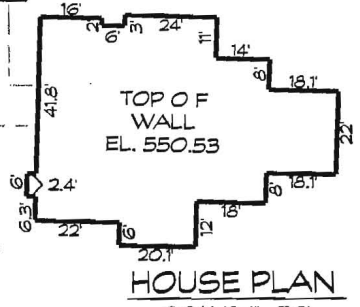
LINE TABLE

NUMBER	BEARING	DISTANCE
L1	N 22°43'24" E	8.99'
L2	N 67°16'36" W	7.00'
L3	N 22°16'36" W	7.07'

PUBLIC FOREST CONSERVATION EASEMENT 9

CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C1	380.00	141.96	21°24'16"	71.82	N 33°25'32" E	141.13



FOUNDATION CERTIFICATION
#2519 GOOSE CHASE WAY

LOT 4
CLOVERFIELD
SECTION II

3RD ELECTION DISTRICT • HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119
RECORDED PLAT NO. 20257

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.

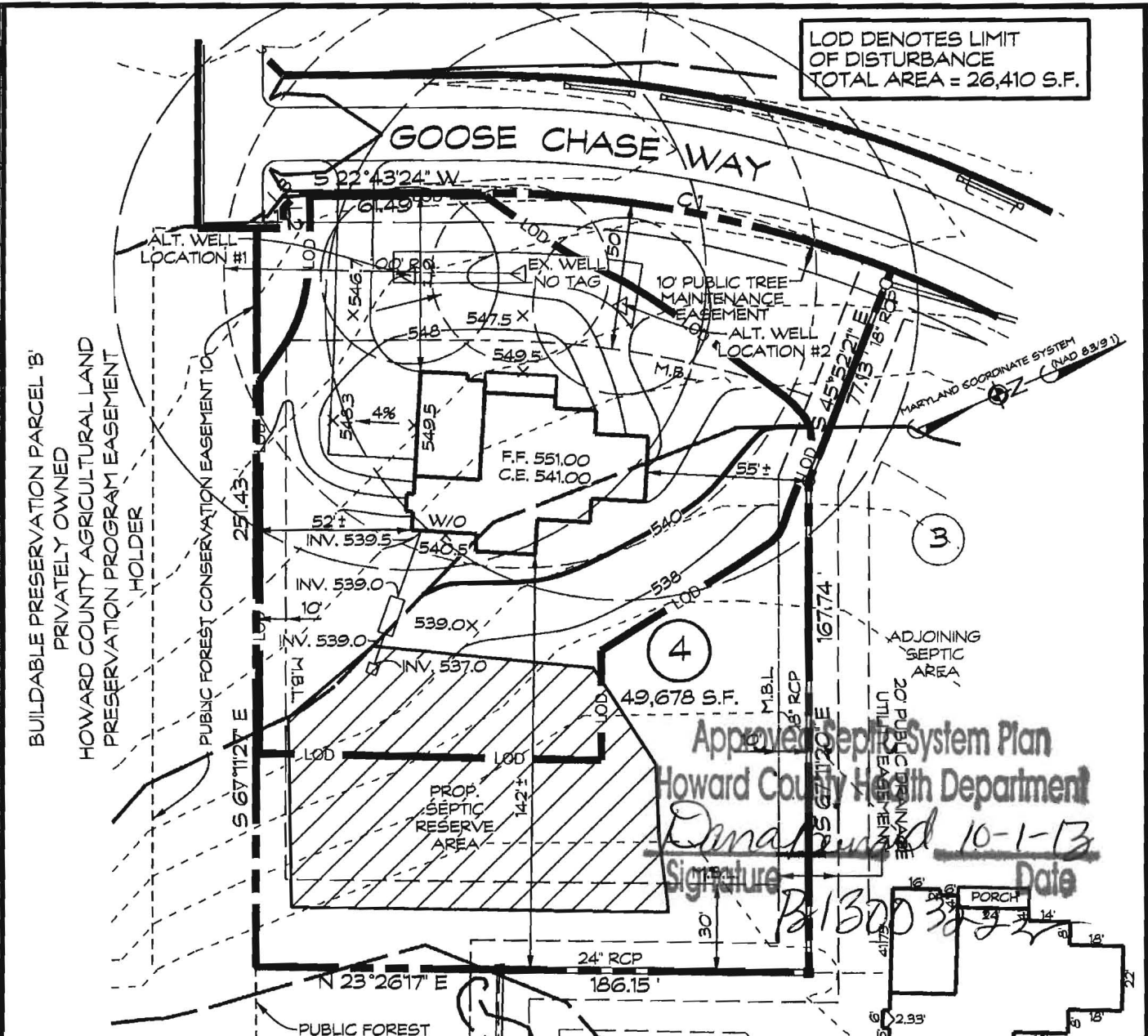
By: Dennis E. Meckley Date: 10/29/13
Dennis E. Meckley Property Line Surveyor No. 10844
License expires March 29, 2014



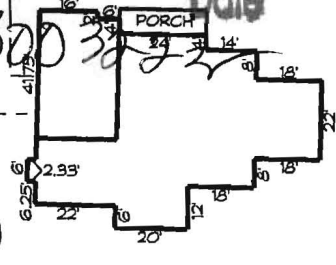
439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

DRAWN BY: KMB
DESIGN BY:
REVIEW BY: DEM
DATE: 10-28-13
SCALE: 1" = 50'
JOB NO: 2013039
SHEET: 1 OF 1

LOD DENOTES LIMIT OF DISTURBANCE
TOTAL AREA = 26,410 S.F.



Approved Septic System Plan
Howard County Health Department
Ann Meadley
Signature 10-1-13
Date



NUMBER	BEARING	DISTANCE
L1	S 22°43'24" W	8.99'
L2	S 67°16'36" E	7.00'
L3	N 22°16'36" W	7.07'

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C1	380.00	141.97	21°24'19"	71.82	N 33°25'32" E	141.14

PLOT PLAN - LOT 4
2519 GOOSE CHASE WAY
CLOVERFIELD
SECTION II
3RD ELECTION DISTRICT * HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119
RECORDED PLAT NO. 20257

BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING STAKEOUT.

THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HERE ON.

Ann Meadley 7/31/13
CARROLL LAND SERVICES, INC. DATE

EXISTING GRADES SHOULD BE FIELD VERIFIED WHEN HOUSE STAKEOUT IS DONE.

DATE	REVISIONS	BY
7/31/13	MOVED HOUSE 5', ADDED 2 ALT. WELLS & REVD WELL BOX	BM

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

DRAWN BY:	BM
DESIGN BY:	
REVIEW BY:	DEM
DATE:	7/22/13
SCALE:	1" = 50'
JOB NO:	2013039
SHEET:	1 OF 1

e3 Environmental LLC	
302.258.0706 www.e3onsite.com	
ECOPOD-N Completion Statement	
Installation Information	
Owners Name	Cayfousville Homes
Street	2519 Goose Chase way
City	West Friendship
State	MD
Zip	21794
# of Bedrooms / GPD	600
Repair	<input type="checkbox"/>
New Construction	<input checked="" type="checkbox"/>
Installation Company	
Company	WTC Contractors
Certified Installer	Walter Conn JR
Street	3033 Salem Bottom Rd
City	WESTMINSTER
State	MD
Zip	21157
Installed Date	1/19/14
Startup Date	5/22/14
ECOPOD-N	
Model #	Serial #
E50	<input type="checkbox"/>
E60	<input checked="" type="checkbox"/>
E75	<input type="checkbox"/>
E100	<input type="checkbox"/>
E150	<input type="checkbox"/>
	EC0N-02097CA
Blower Voltage	Good
Blower Running Amps	Good
Inches of water over media with blower turned off	2"
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

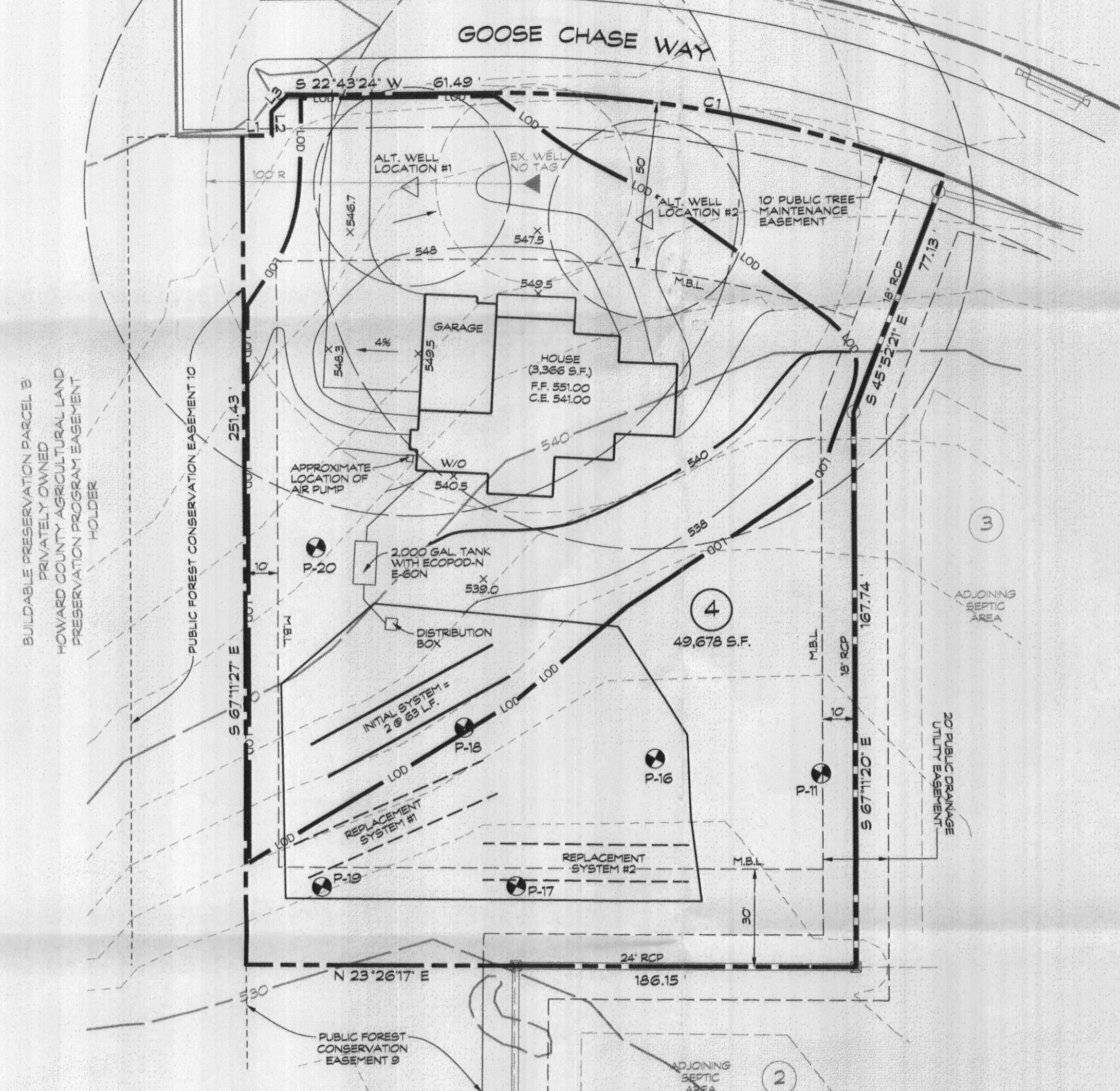
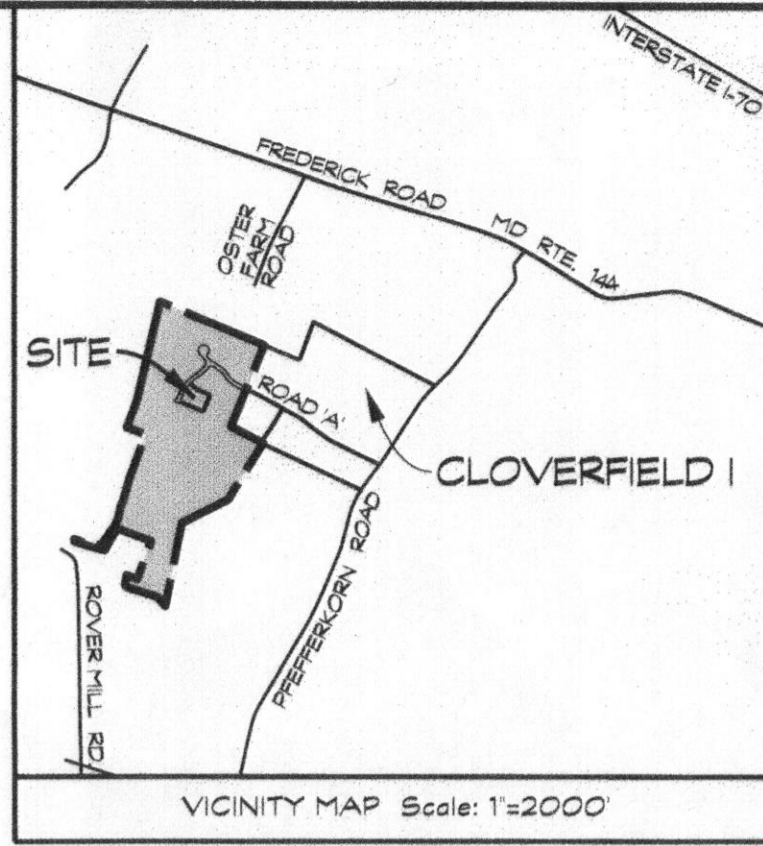
Company Babylon Vault Company Date 5/22/14
 Signature Steven R Kowitz
 Printed Name Steven R Kowitz

Fax or email completed form to e3 Environmental at 302-258-0706 or envc@e3onsite.com

MARYLAND COOPERATIVE EXTENSION SERVICE
 UNIVERSITY OF MARYLAND SYSTEM

LOD DENOTES LIMIT OF DISTURBANCE
 TOTAL AREA = 26,994 S.F.

PROPOSED DWELLING HAS APPROXIMATELY 3,366 S.F. OF LIVING SPACE AND INCLUDES 4 BEDROOMS

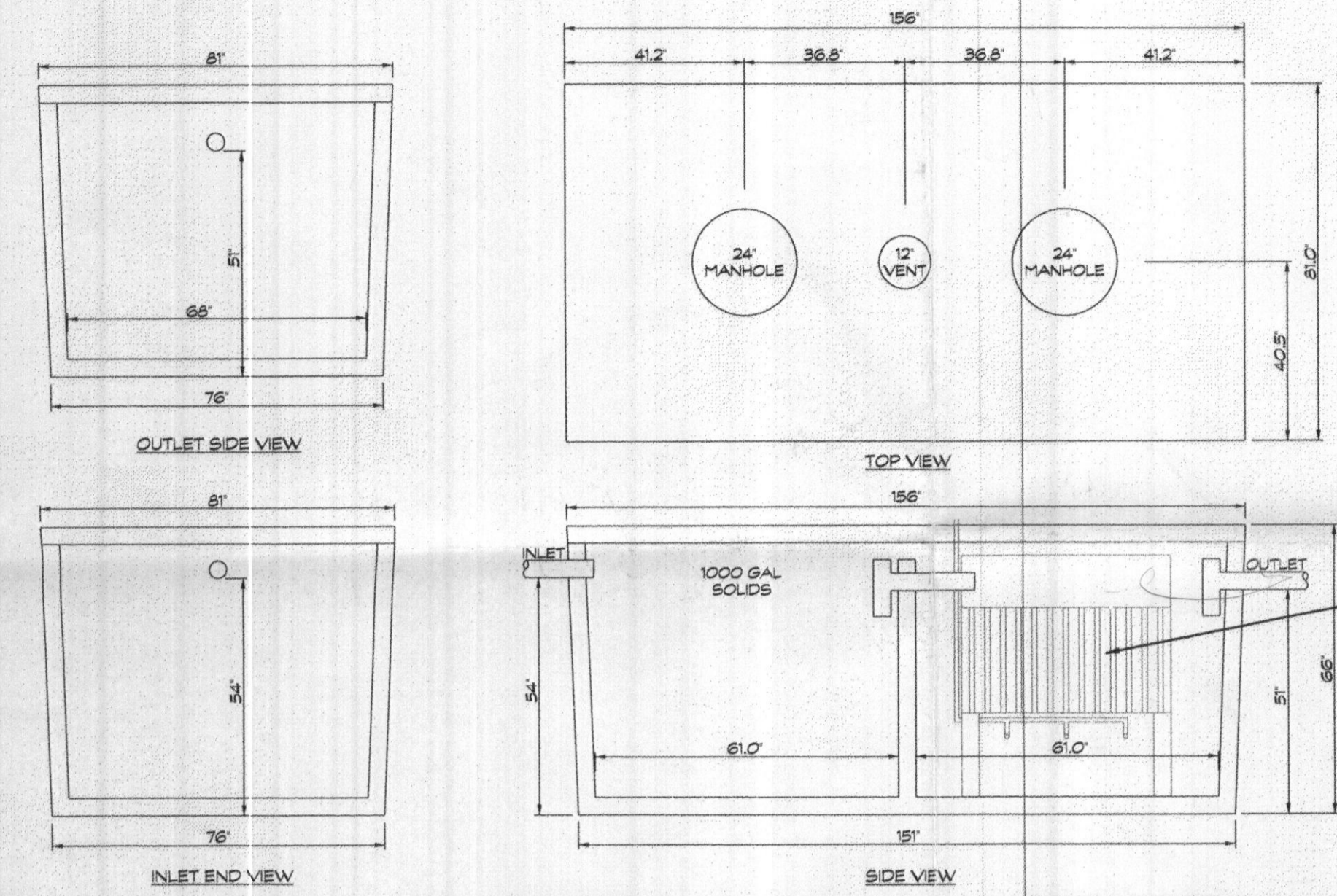
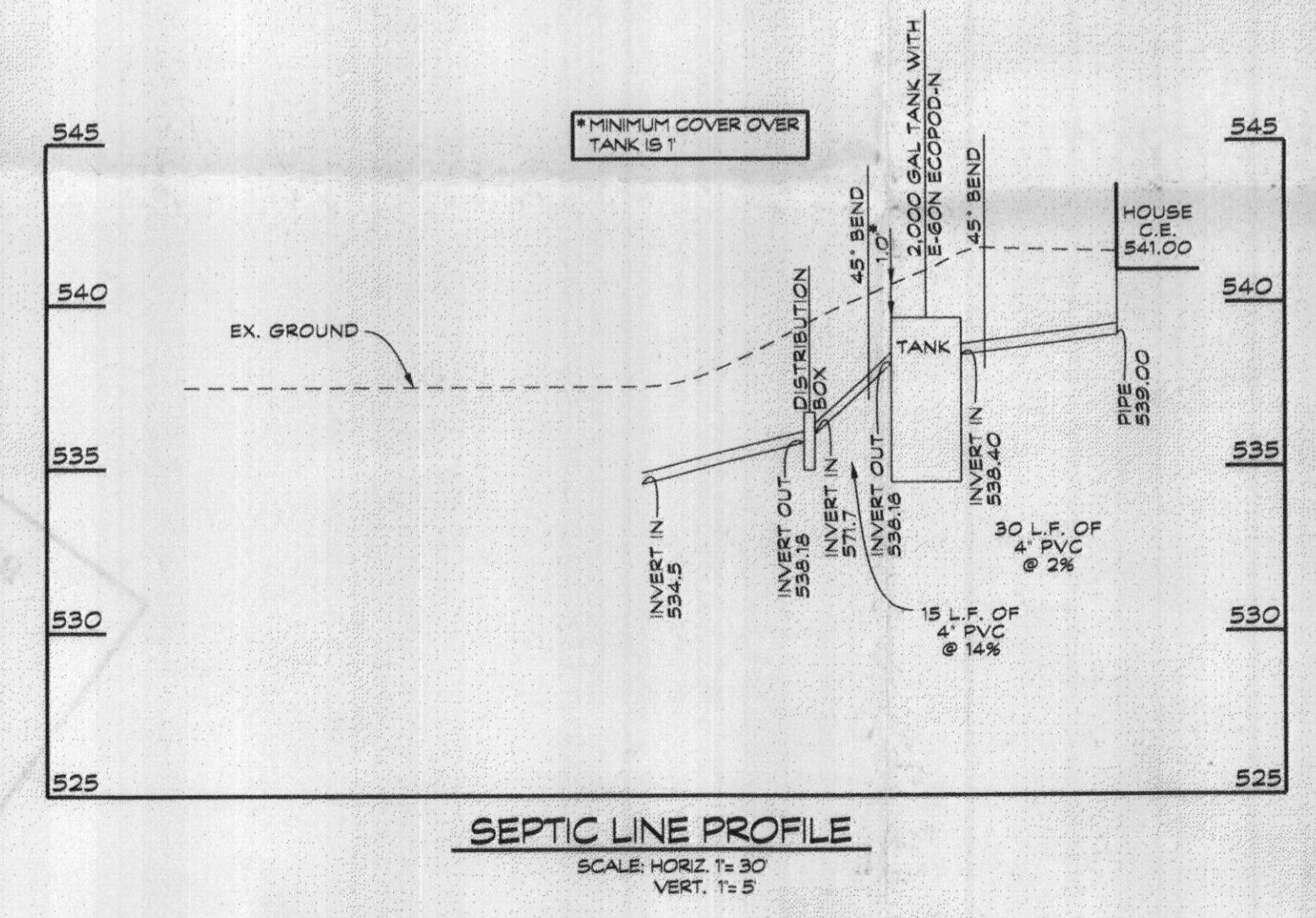


NUMBER	BEARING	DISTANCE
L1	S 22°43'24" W	61.49
L2	S 67°16'36" E	17.00
L3	N 22°16'36" W	17.07

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C1	380.00	141.97	21°24'19"	71.82	N 33°25'32" E	141.14

- LEGEND:**
- x SPOT ELEVATION
 - FLOW PATH & SLOPE
 - ▲ EX. WELL
 - APPROVED PERC TEST

PLAN
 SCALE: 1" = 30'



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

NOTE:
 ECOPOD-N SERIES MANUFACTURED BY DELTA ENVIRONMENTAL PRODUCTS

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

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:

PROPOSED NUMBER OF BEDROOMS = 4
 AVERAGE PERCOLATION TEST TIME = 3.5 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. x 2 FT. = 1000 L.F. OF TRENCH
 250 L.F. x 0.50 = 125 L.F. OF TRENCH
 USE 2 - 63 L.F. OF TRENCH FOR EACH SYSTEM

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.

DB Best Plan OK 10-8-13

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 MANUFACTURERS 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 MANUFACTURERS SPECIFICATIONS.

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

SITE PLAN FOR BAT INSTALLATION
 SPRING MILL LLC
 2519 GOOSE CHASE WAY
 TAX ACCOUNT NO.: 353419
 LOT 4
CLOVERFIELD - SECTION II
 3RD ELECTION DISTRICT - HOWARD COUNTY, MD.
 TAX MAP: 15 BLOCK: 7 PARCEL: 119

Linda D. Alexander
 Linda D. Alexander
 Qualified Professional



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

Date	Revisions	Drawn By: BM
		Designed By: LDA
		Reviewed By: LDA
		Date: 9/30/13
		Scale: 1" = 30'
		Job No.: 2013039
		Sheet: 1 OF 1

County File No.

C:\D Drawing File Name