

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: 4-15-14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 546315

INSTALLATION APPROVAL DATE: 7/22/14 **PERMIT CONSTRUCTION** A _____
 (Kmw)

PROPERTY ADDRESS: 13615 Mitchells Way

SUBDIVISION: Cloverfield II LOT: 9 TAX ID: _____

CONTRACTOR: WTC Contractors EMAIL: _____

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-875-9771

PROPERTY OWNER: Spring Mill LLC. EMAIL: _____

OWNER ADDRESS: 8480 Baltimore National Pike, Ellicott City, MD 21041 PHONE: 410-465-4244

BAT UNIT MODEL: ECOPOD N BAT UNIT SIZE: 600 GPD

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

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: 1.2

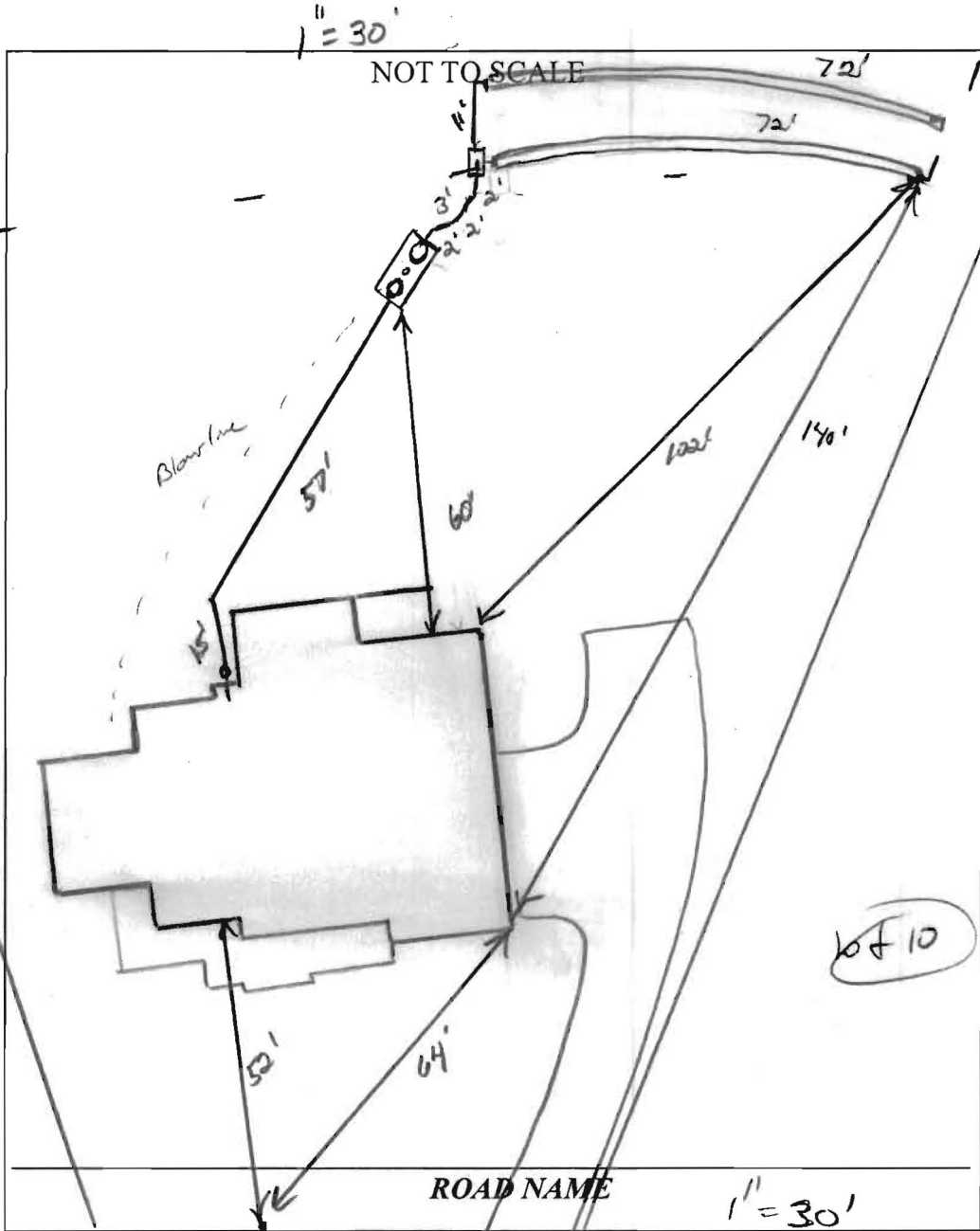
DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>144</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>5.5 6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>7</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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:	Set BAT unit per plan. Set distribution box at top center of SDA. Install 2 X 72' trenches on contour, one to each side of D box..	

ISSUED BY: Robert Bricker ISSUE DATE: 4-15-14 EXPIRATION DATE: 4-15-15

- 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.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	3'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		174'
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Leveler's
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Beylon
CAPACITY	Evapool GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	Yes
BAFFLE FILTER	-
MANHOLE LOC	Front/Rear
6" PORT LOC	Center
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	4-1-14
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:

6/3/14 BAT location staked, 15' offset, OK to turn tank slightly towards Dbox. Set Dbox @ top center of SRA, install 2x72' trenches across top of area on contour towards upper right corner of septic area. Elevations spot as staked to staked as shown on BAT plans. Call for map (KW)

INSTALLATION:

6/5/14 Phone call to contractor to check if working, he explains the incline of completion starting today working on Saturday. Explained that any work done on Saturday must be prior approved by this office (KW)
 6/5/14 met onsite. BAT unit set per plans. SMC installed. No trucks started. Stone on site. OK to continue (KW)
 6/6/14 Trenches complete. OK to cover. Need blow line and electric to BAT unit. Need BAT start-up (KW) BAT start-up report received from manufacturer.

FINAL INSPECTOR K. Way DATE OF APPROVAL 7/22/14

e3 Environmental LLC

302-725-0788 www.e3onsite.com

ECOPOD-N Completion Statement

Installation Information

Owners Name	Catonsville Homes	# of Bedrooms / GPD	600
Street	13615 Mitchells Way	Repair	<input type="checkbox"/>
City	West Friendship	New Construction	<input checked="" type="checkbox"/>
State	MD		
Zip	21794		

Installation Company

Company	WTC Contractors	Installed Date	7/14
Certified Installer	Walter Coon Jr	Startup Date	7/18/14
Street	3033 Salem Bottom Rd		
City	Westminster		
State	MD		
Zip	21157		

ECOPOD-N

Model #	Serial #
E50 <input type="checkbox"/>	
E60 <input checked="" type="checkbox"/>	EGON-0213C-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 inch
Vent Installed	yes
Tanks and Risers Water tight	yes
Alarm Functional	yes

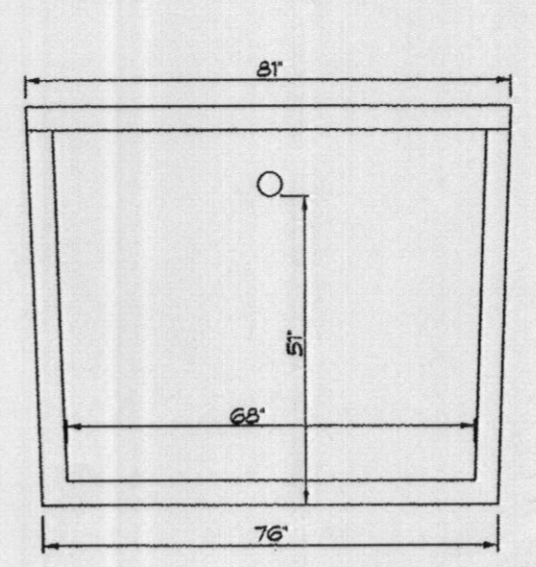
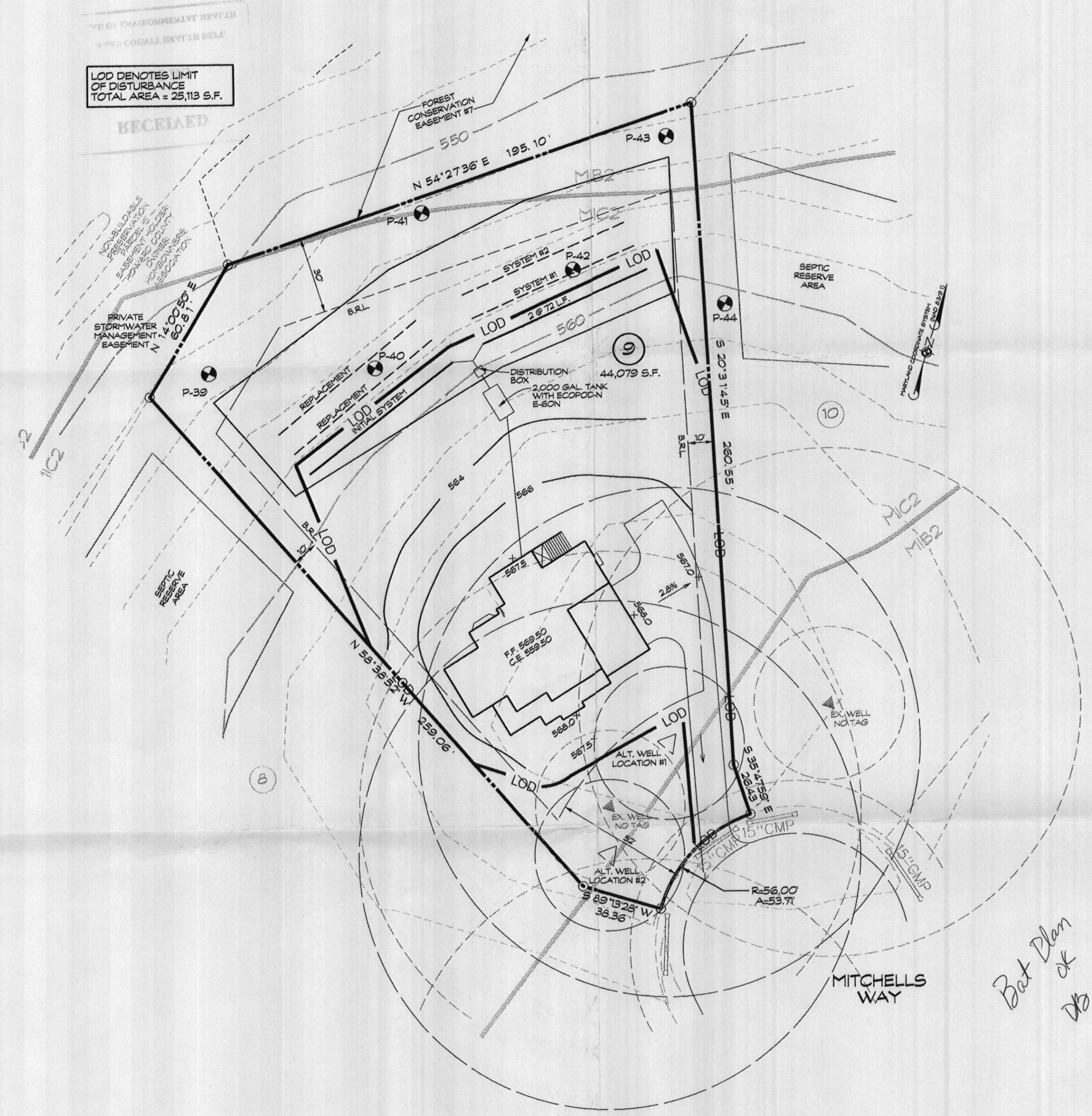
I hereby certify that the ECOPOD-N wastewater treatment system has been installed and started up in accordance with the construction permit and is in compliance with the manufacturers recommendations

Company Babylon Vault
Signature Steven R Kowitz
Printed Name Steven R Kowitz

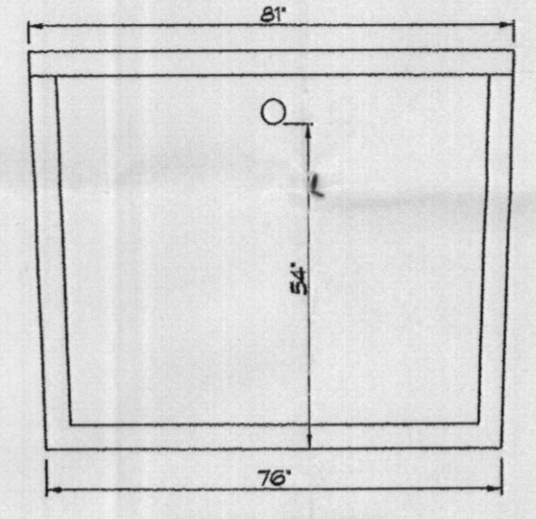
Date 7/18/14

LOD DENOTES LIMIT OF DISTURBANCE TOTAL AREA = 25,113 S.F.

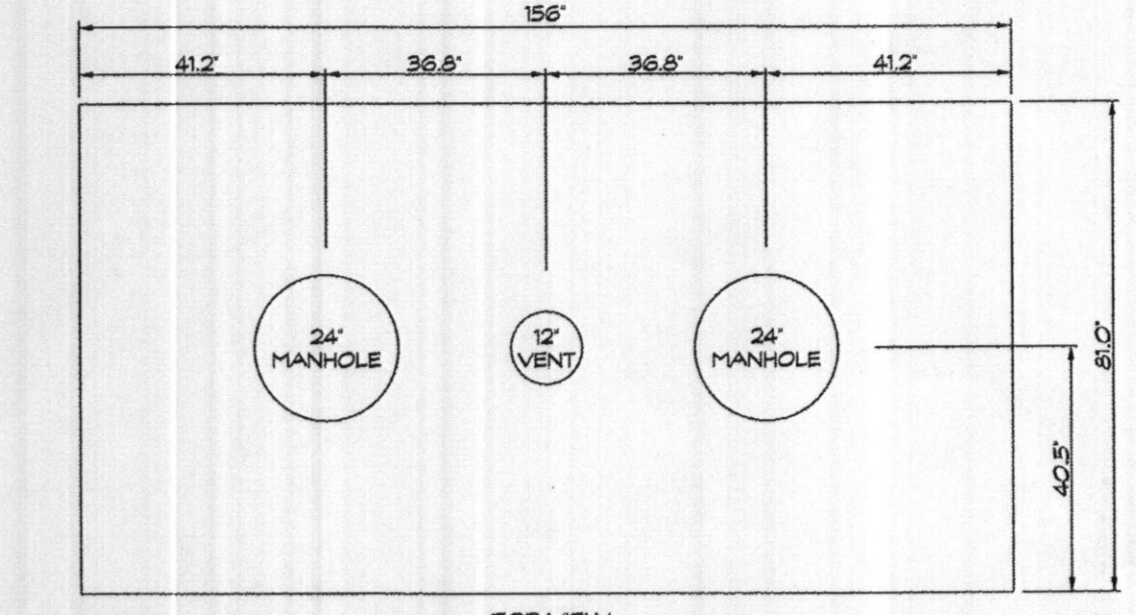
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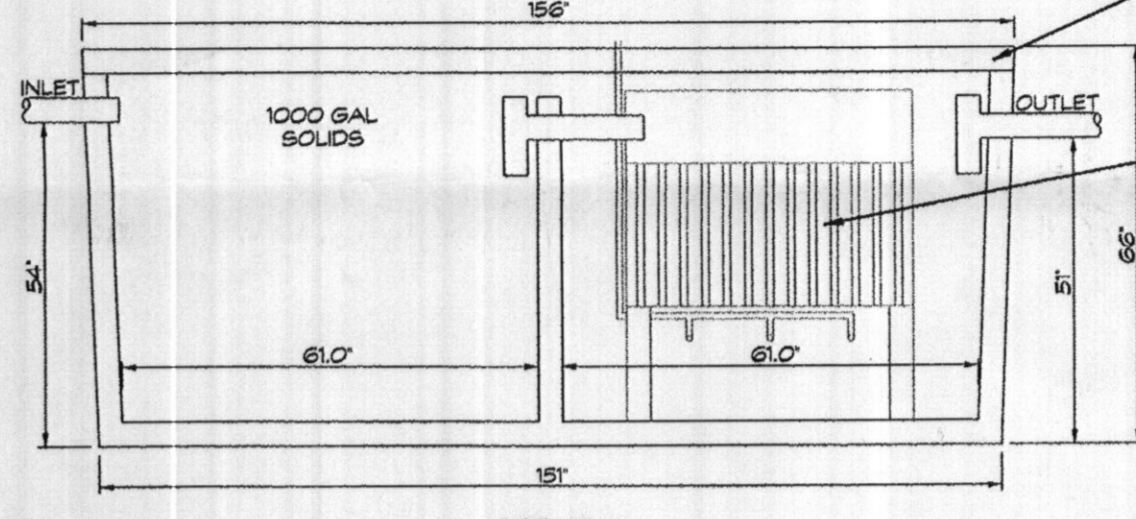
OUTLET SIDE VIEW



INLET END VIEW



TOP VIEW

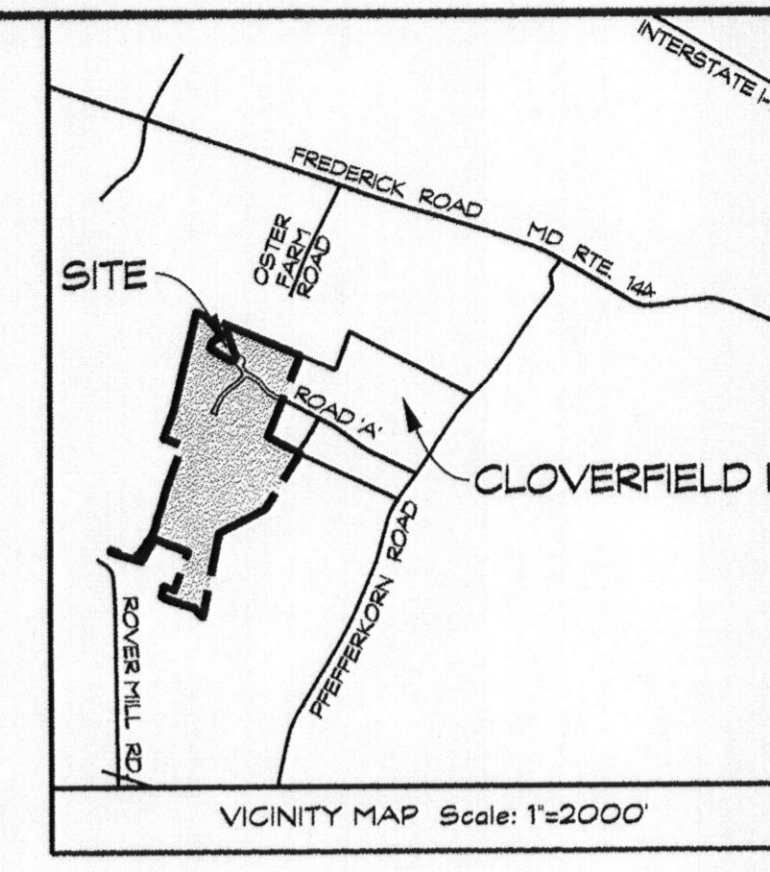


SIDE VIEW

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

NOTE:
ECOPOD-N SERIES MANUFACTURED BY DELTA ENVIRONMENTAL PRODUCTS

TRAFFIC BEARING LID
CONTRACTOR TO INSTALL ECOPOD-N SERIES E60-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:

HOUSE SQUARE FOOTAGE: 3,117 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. / 2 FT. = 250 L.F. OF TRENCH
250 L.F. x 0.57 = 142.5 L.F. OF TRENCH = 144 L.F.
USE 2 - 72 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.

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

SITE PLAN FOR BAT INSTALLATION
SPRING MILL LLC
13615 MITCHELL WAY
TAX ACCOUNT NO.: 353478
LOT 9
CLOVERFIELD- SECTION II
3RD ELECTION DISTRICT • HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119

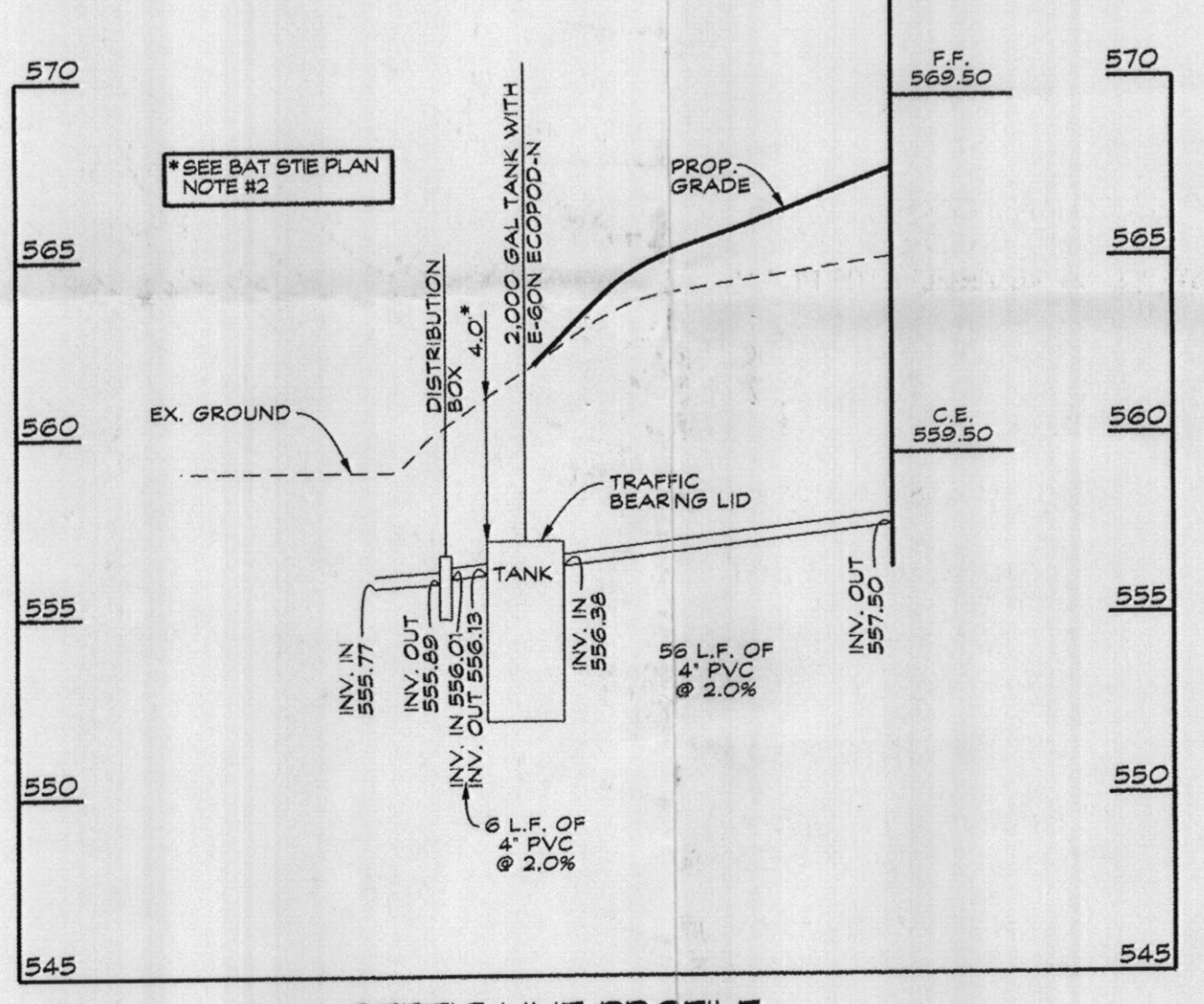
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439 East Main Street Westminster, MD 21157-5511
(410) 848-1790 FAX (410) 848-1791

BAT SITE PLAN NOTES

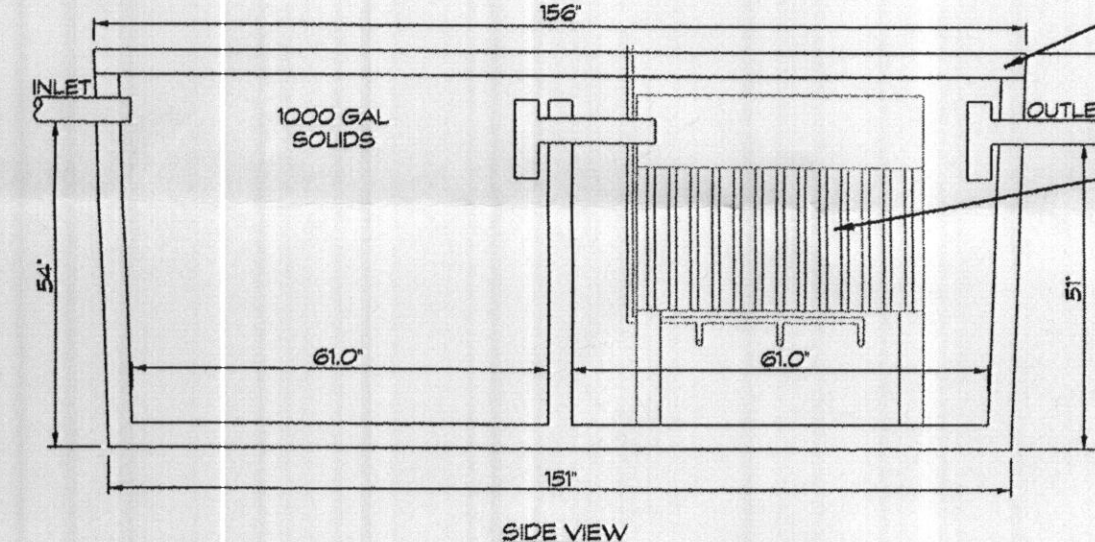
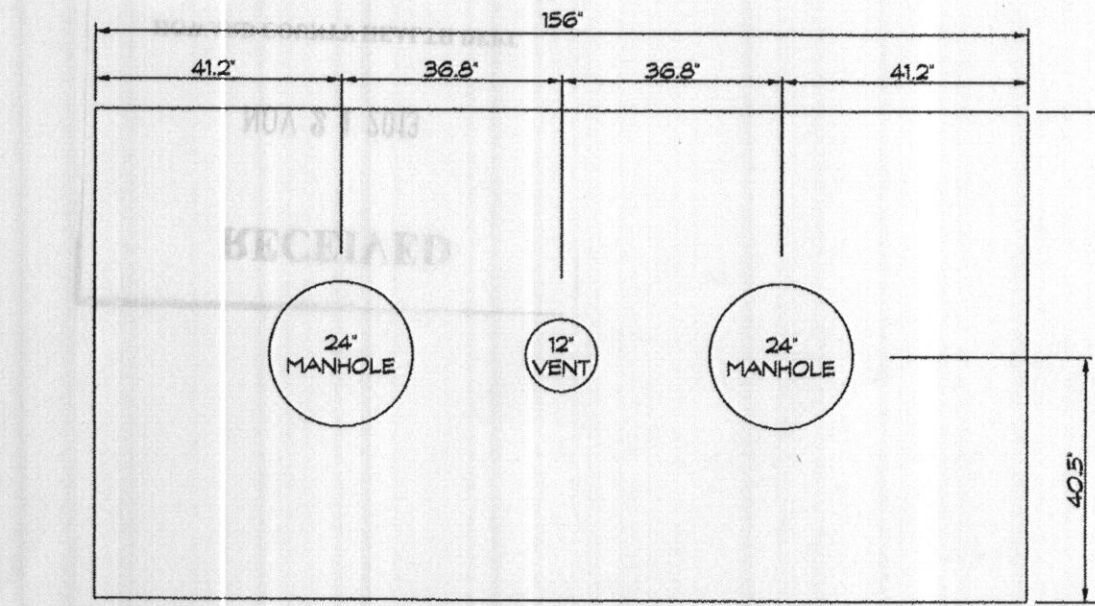
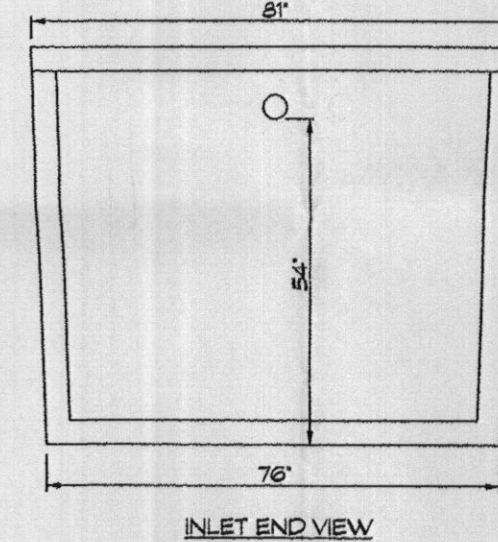
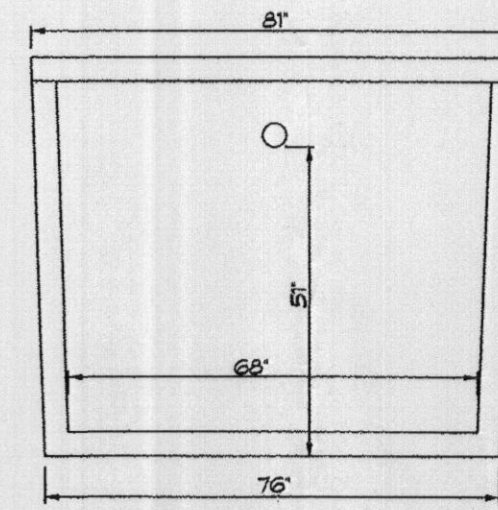
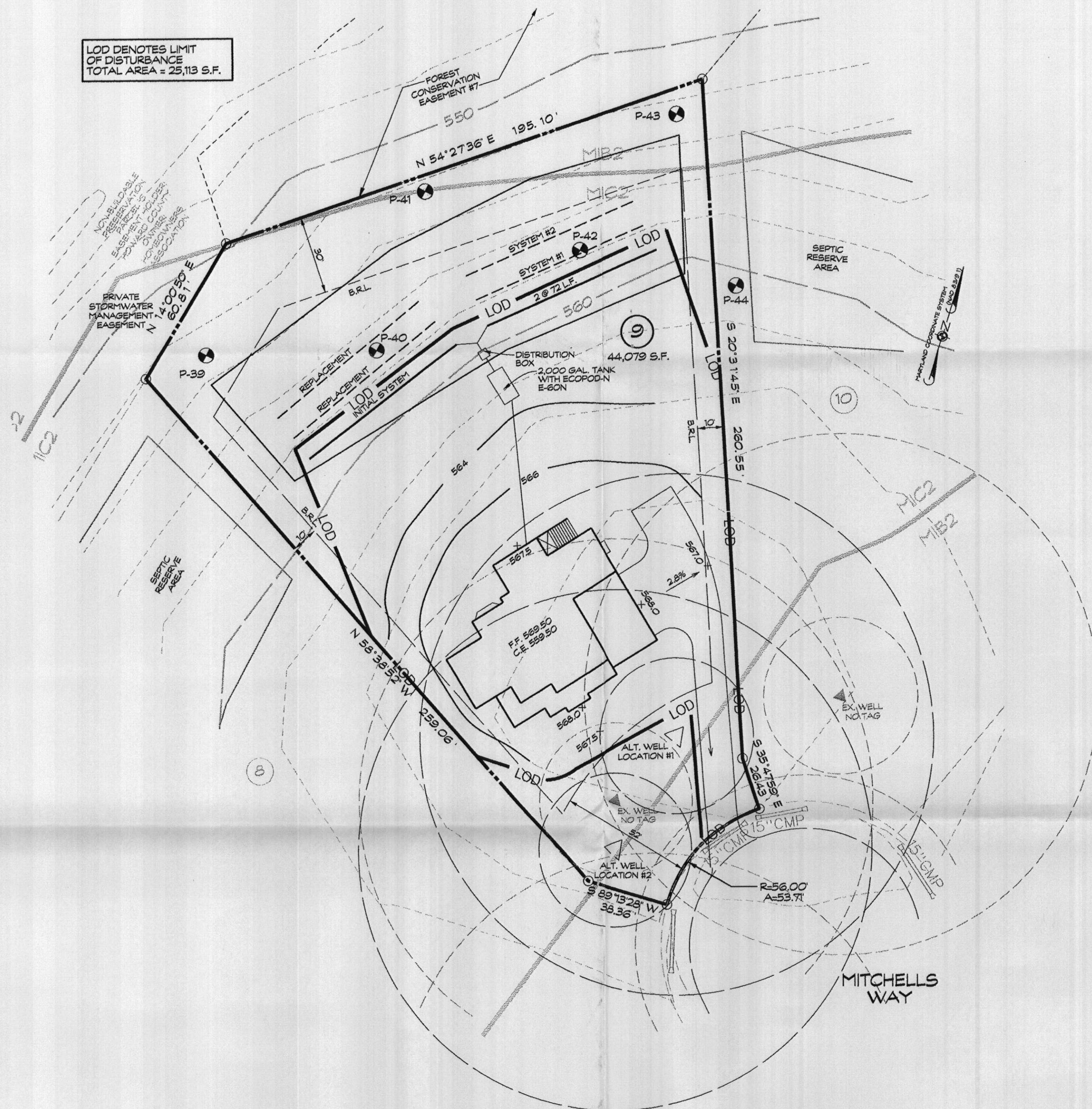
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2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURERS SPECIFICATION IS 4 FEET UNLESS TRAFFIC BEARING LID, THEN MAXIMUM DEPTH IS 7 FEET.
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4. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED 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.



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

Handwritten note: Bat Plan ok DB 12-13

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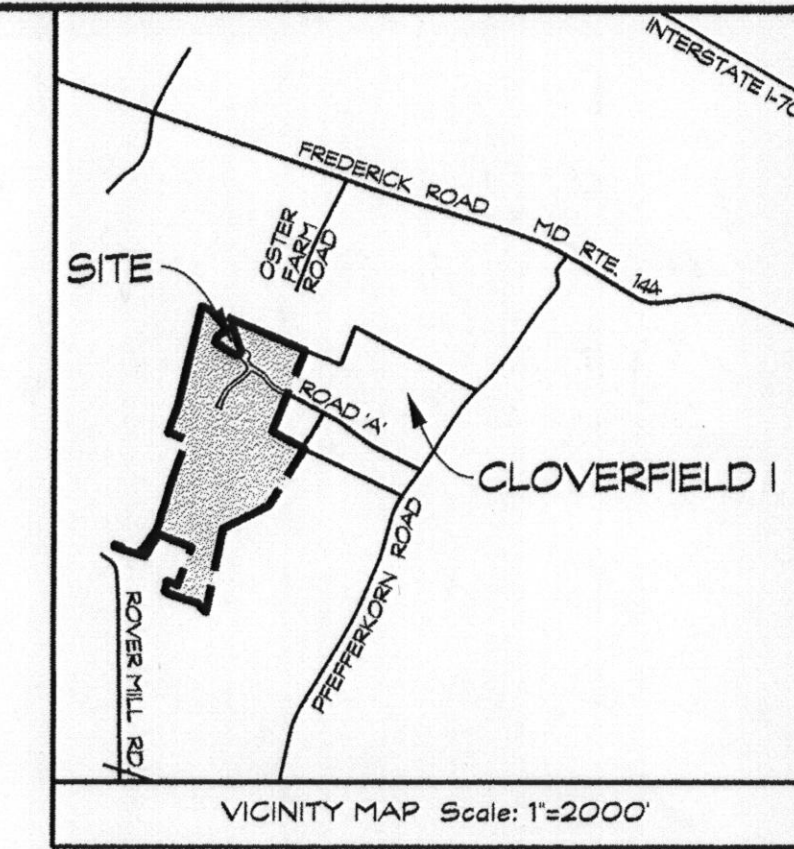


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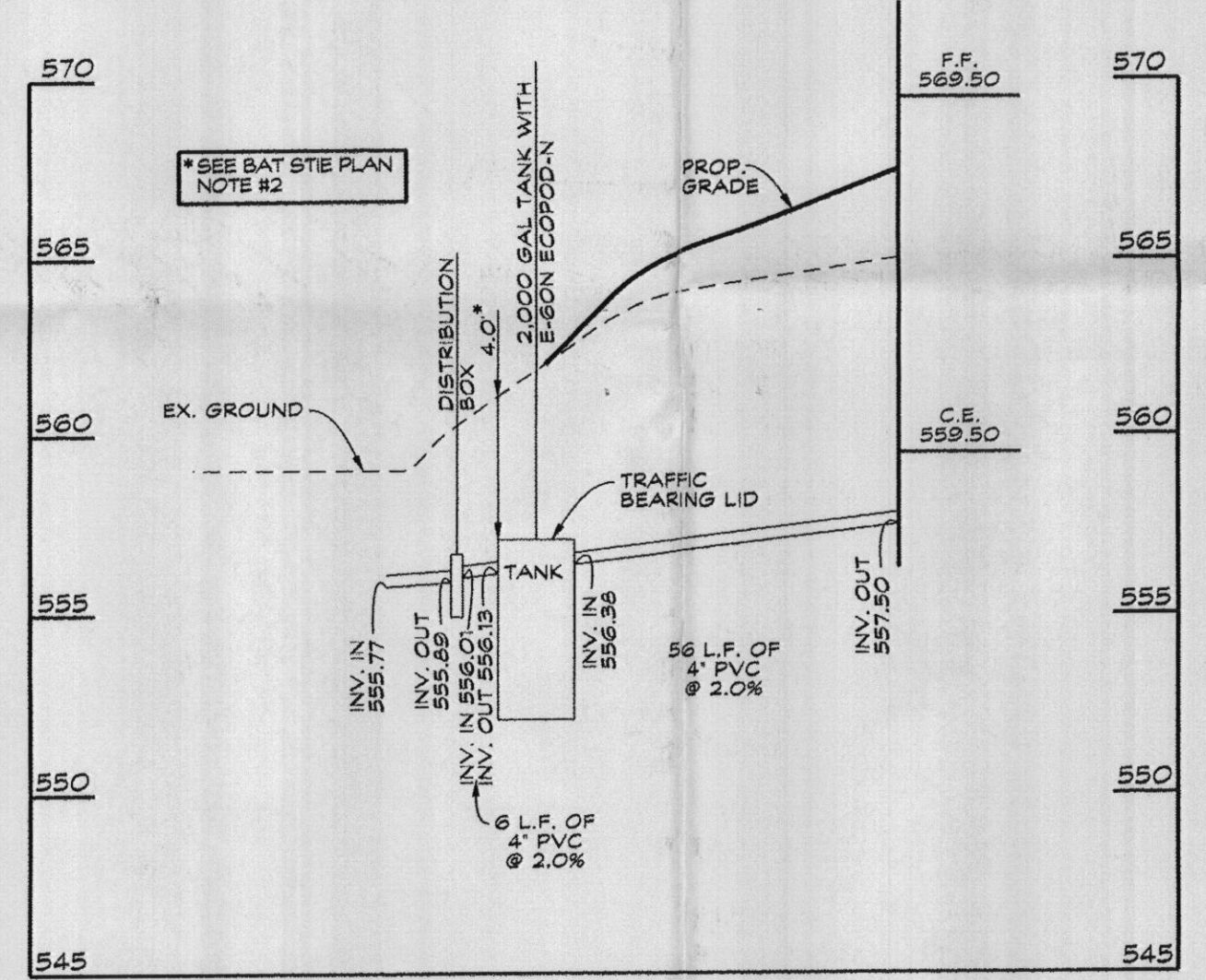
Linda D. Alexander
11-13-13
Linda D. Alexander
Qualified Professional



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CAD Drawing File Name: