

Bureau of Environmental Health
 8930 Stanford Blvd. Columbia, MD 21045
 (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: 5/12/15 **ONSITE SEWAGE DISPOSAL SYSTEM** P 556457

INSTALLATION **PERMIT**
 APPROVAL DATE: 5/21/15 SEC A _____

SEWER HOUSE CONNECTION

PROPERTY ADDRESS: 2508 Goose Chase Way

SUBDIVISION: Cloverfield II LOT: 7 TAX ID: _____

CONTRACTOR: WTC Contractors EMAIL: _____

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

PROPERTY OWNER: Sridhar Yellanki and Jyothi Murari EMAIL: _____

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

NUMBER OF BEDROOMS: _____ HOUSE SQ. FT. _____ CONNECTED TO PUBLIC WATER: YES NO

LOCATION:	INSTALL 4" SEWER LINE PER APPROVED SITE PLAN.
NOTES:	<p>This permit is limited to the installation of the individual house sewer line connection and installation of the grinder pump, if applicable. The Howard County Bureau of Utilities must be contacted for scheduling of inspection of these items as well, at 410-313-4900.</p> <p>3' wide $\frac{48R \times 150 \text{ gpd}}{1.2} = 500 \text{ ft}^2 \div 3' = 167' \text{ total}$ 2 x 50' trenches invert 3' bottom 5.5' 50 tons stone</p> <p style="text-align: center;">$\times 0.55 = 92'$ (2.5' SW)</p>

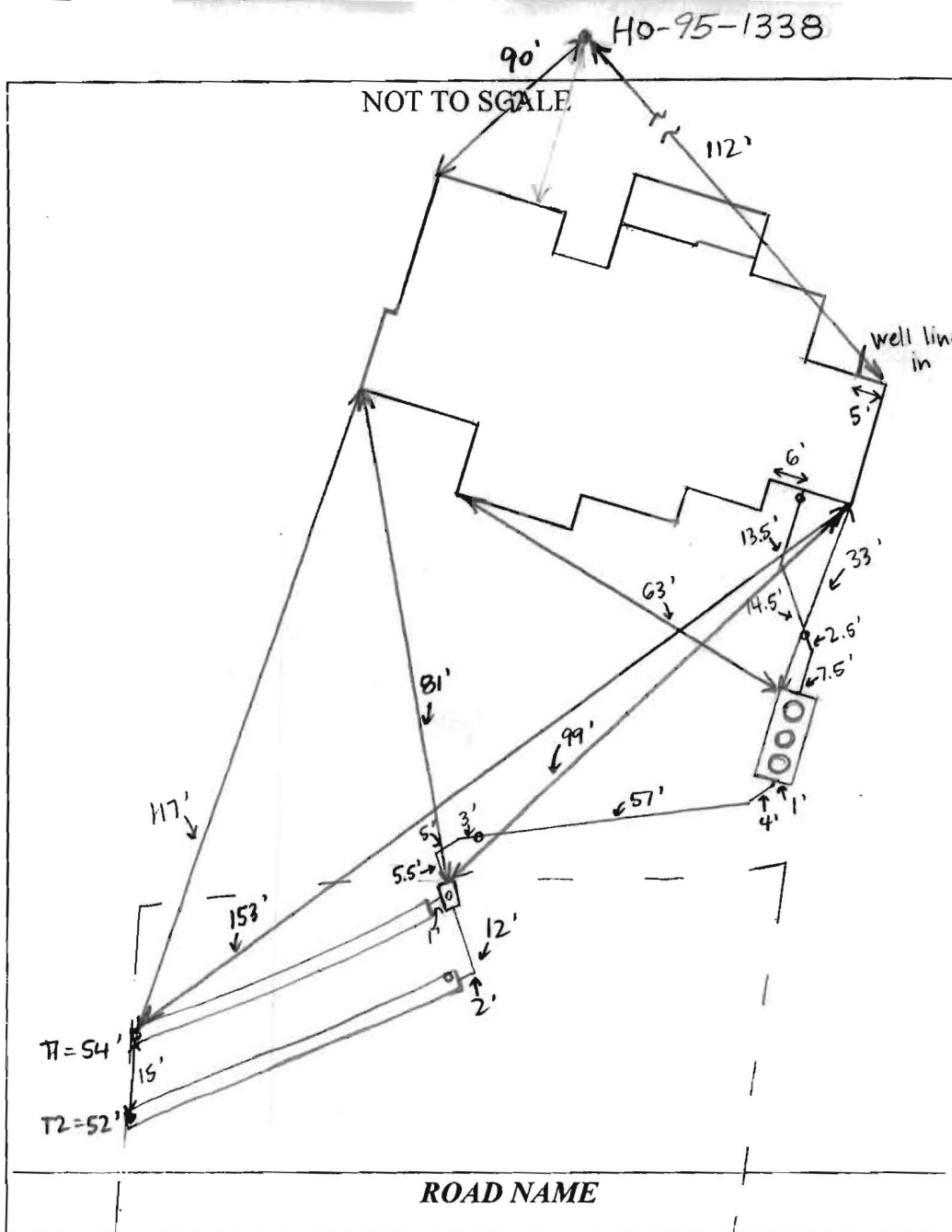
ISSUED BY: Robert Bricker ISSUE DATE: 5/18/15 EXPIRATION DATE: 5/12/16

NOTE: HOWARD COUNTY BUREAU OF UTILITIES APPROVAL OF GRINDER PUMP INSTALLATION IS REQUIRED PRIOR TO SEPTIC PERMIT APPROVAL

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

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 FOR INSPECTION OF SEPTIC SYSTEM.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		106'
ABSORPTION AREA		212' + SIDEWALK
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1300 GAL
SEAM LOC	TDP
TANK LID DEPTH	1'
BAFFLES	NO
BAFFLE FILTER	NO
MANHOLE LOC	FRONT, MID, REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	5-5-15

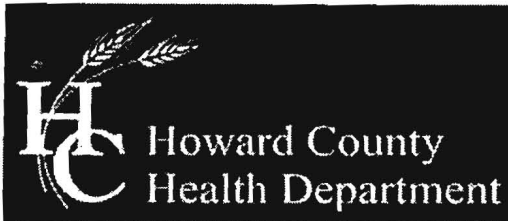
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

5/19/2015 Met contractor on site for layout. Tank is not staked according to plan. Spoke with Rick Scrantom from Catonsville Homes and he is okay with tank location staked in field (~10' south of location on plan). Install 2 x 50' trenches on contour on the north portion of the SPA. Shot contour and invert has to be 3' to make fall (originally 2.5') and 1' total cover over tank. (SC)

INSTALLATION:

5/20/15 Tank hole dug, waiting for tank delivery. Working on cutting out wall for house connection. (SC) 5/20/15 House connection made. Pipe laid from house to tank location. Requested that WTC bed pipe at house b/c fill will cover. On site while tank was set. No cracks on bottom, tank level. (SC) 5/21/15 D-box installed, trenches finished, and all connections made. D-box levelers leveled w/ water. T1 open at ends, T2 covered. Need BAT startup certification. (SC) 5/21/15 BAT startup certification received. (SC)



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 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

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

**OPERATION AND MAINTENANCE AGREEMENT
 FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
 HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 4 day of October 2013, among Spring Mill LLC, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 2508 Goose Chase Way, W. Friendship, MD 21794 (Lot 7), in the 03 Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 11285 Folio 00664.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as

long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

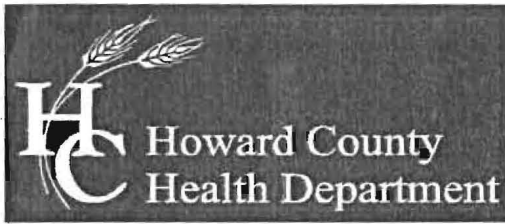
IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Spring Mill LLC
J.R. Moxley III 10/4/13
Owner James R. Moxley, III Date

Owner Date

Bert Nifon 11/4/2013
Howard County Health Department

LR - Agreement Recording Fee 20.00
Grantor/Grantee Name: HCHD
Reference/Control #: 174
LR - Agreement Surcharge 40.00
LR - Additional Recording Fee 0.00
- linked
SubTotal: 60.00
Total: 90.00
#2168213-41 02:53 CC13-CH
11/04/2013
#2168213 CC0503 - Howard Co
Columbia/CC05.03.03 - Registrar
03 495



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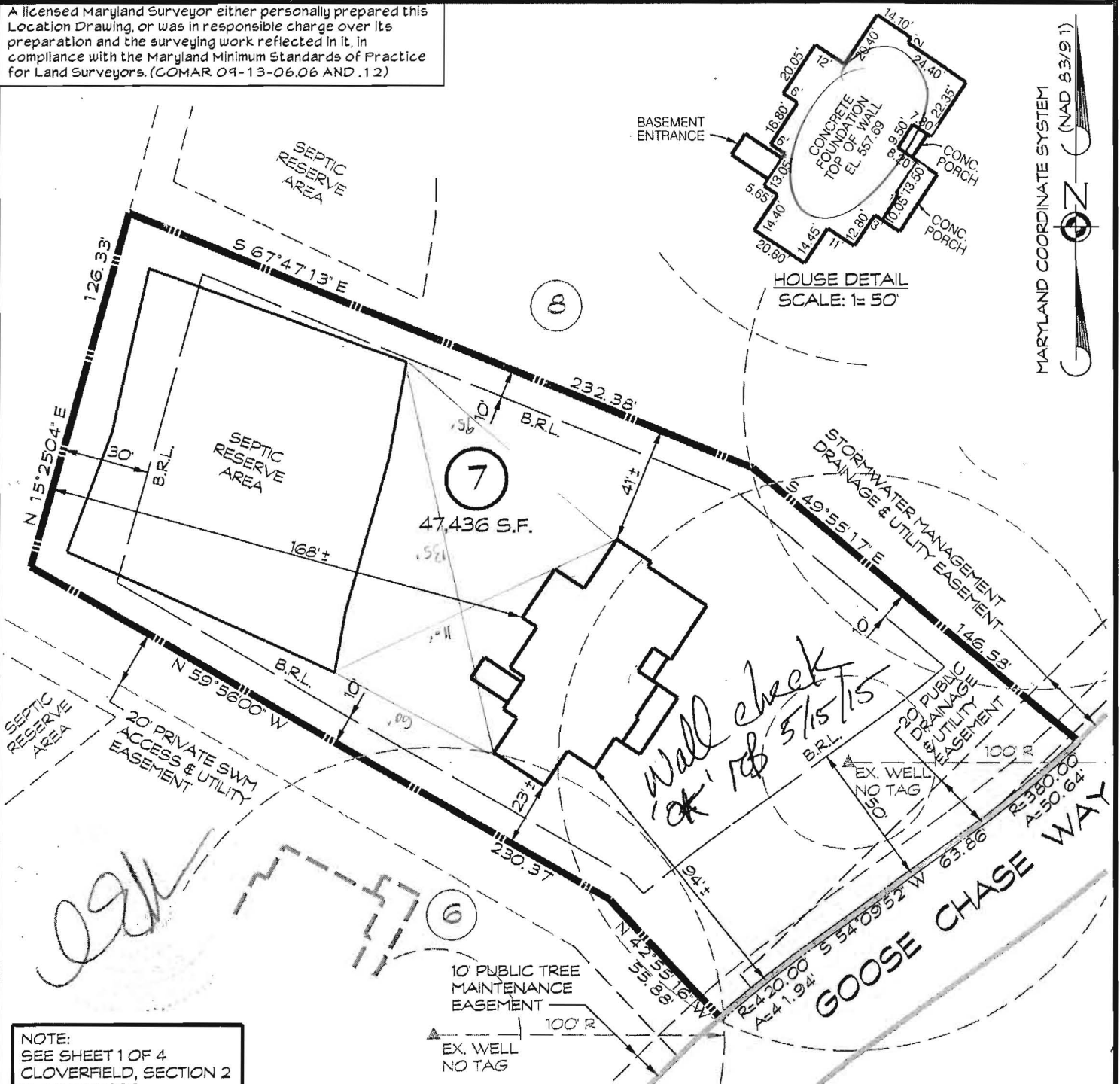
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Spring Mill LLC
J.R. Moxley III *10/4/13*
Owner *James R. Moxley, III* Date

Owner Date

Bert Nifon *11/4/2013*
Howard County Health Department

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)



MARYLAND COORDINATE SYSTEM (NAD 83/91)

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

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: *3/27/15*
Dennis E. Meckley Property Line Surveyor No. 10844
License expires March 29, 2016

FOUNDATION CERTIFICATION
LOT 7
GOOSE CHASE WAY
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:	MNM
DESIGN BY:	
REVIEW BY:	KMB
DATE:	3/24/15
SCALE:	1" = 50'
JOB NO:	2013039
SHEET:	1 OF 1

Back River Pre-Cast, LLC

PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

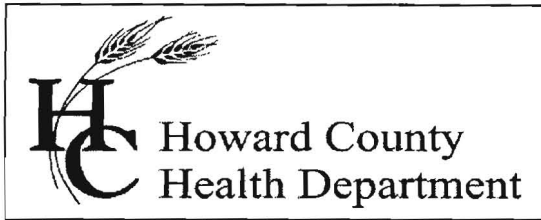
This is to certify that the Norweco Singlair TNT 600 GPD Septic Tank installed at 2508
Goose Chase Way, West Friendship, MD 21794 was installed on May 20, 2015
according to the manufacture's specifications.

Installer: Walter Coon

Property Owner: Sridhar Yellank



MATTHEW GECKLE
Vice-President



Bureau of Environmental Health

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

April 14, 2015

To: Linda A. Alexander, CLSI


RE: BAT Site Plan comments; 2508 Goose Chase Way (Cloverfield II, Lot 7)

Revisions are needed on the submitted BAT Plan (March 26) for the subject property.

The required revisions are the same as those items which were red-lined on February 6, on the plan proposing an ECOPOD installation. See the three (3) pages attached which are photocopies of the portions of the plan red-lined on February 6.

Revise and submit two copies of the revised BAT Plan to my attention at the Bureau of Environmental Health. You may contact me at 410-313-2691, or by email, if you have questions about these requirements.

Respectfully,


Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Health Specialist
Well and Septic Program

Copy: pwalter@catonsvillehomes.com
file

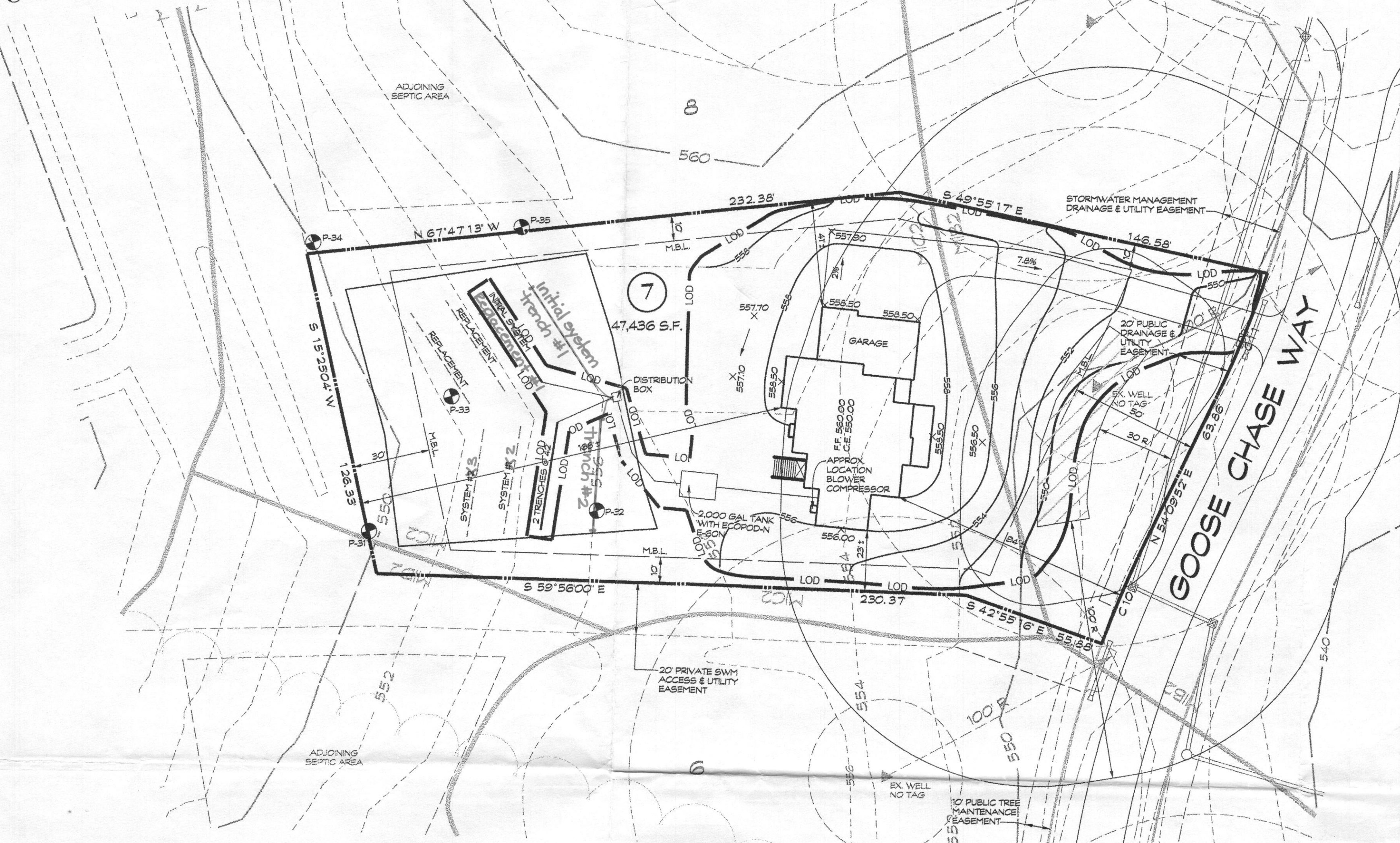
LEGEND:

- Spot Elevation
- Flow Path & Slope
- Ex. Well
- Percolation Test Location

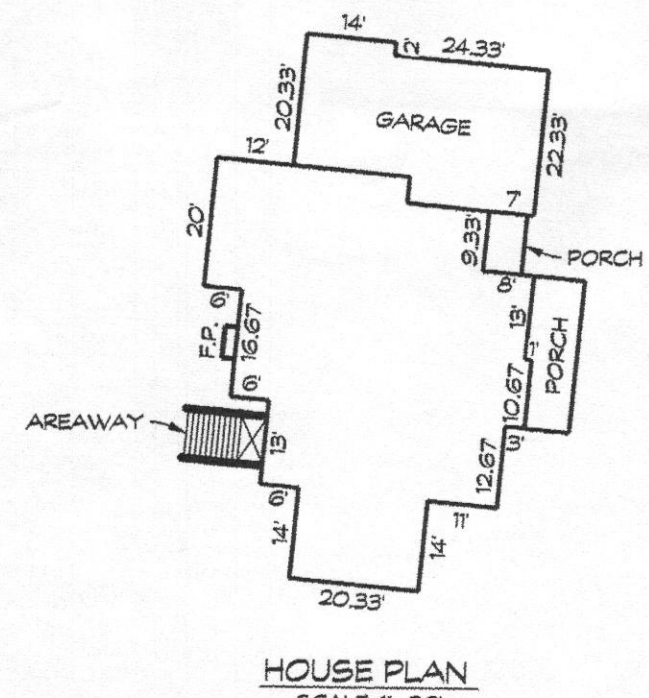
CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C 10	420.00	41.94	5°43'18"	20.99	S 51°18'13" W	41.92
C 11	201.00	50.64	7°38'09"	25.36	N 50°20'48" E	50.61

LOD DENOTES LIMIT OF DISTURBANCE
TOTAL AREA = 25,687 S.F.



PLAN
SCALE: 1" = 30'

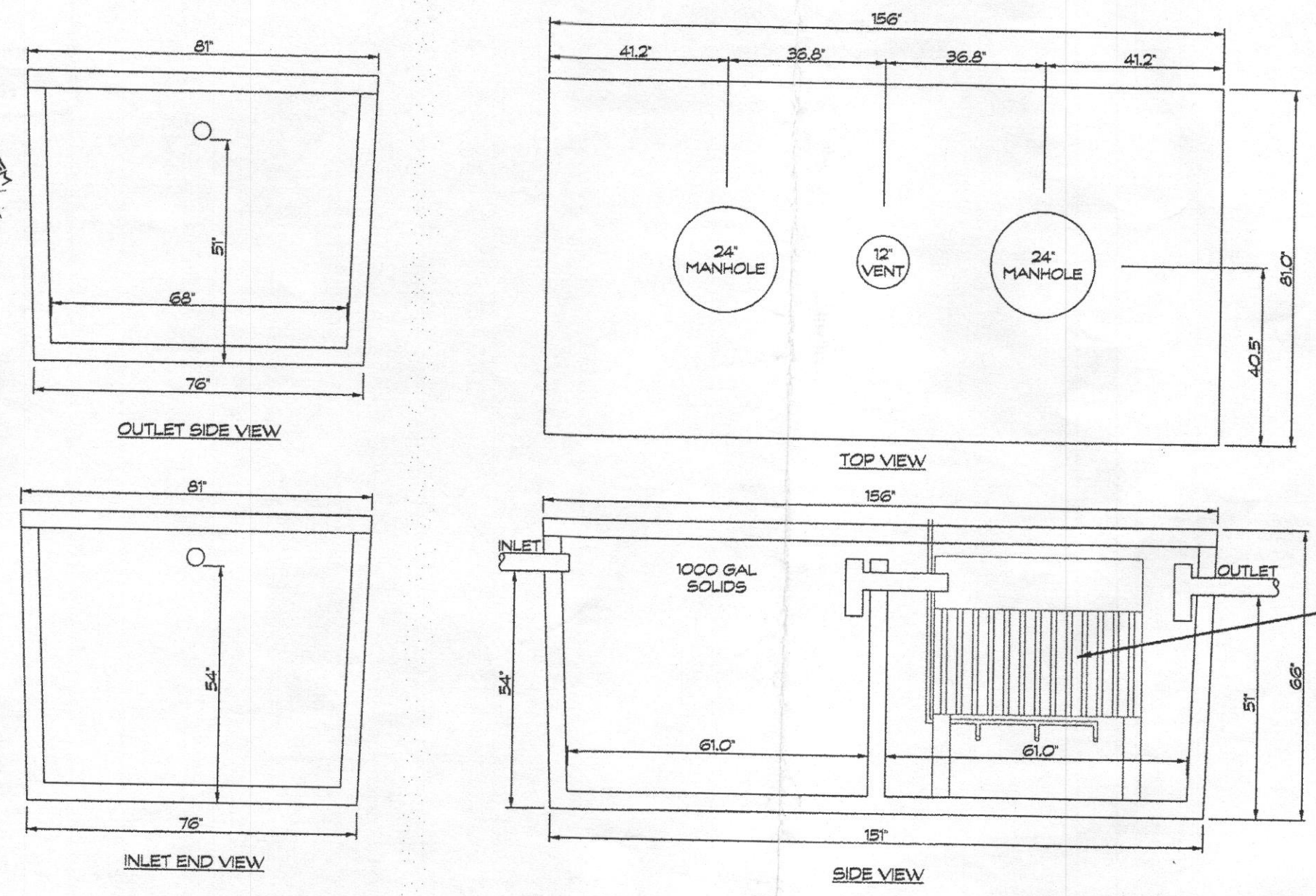
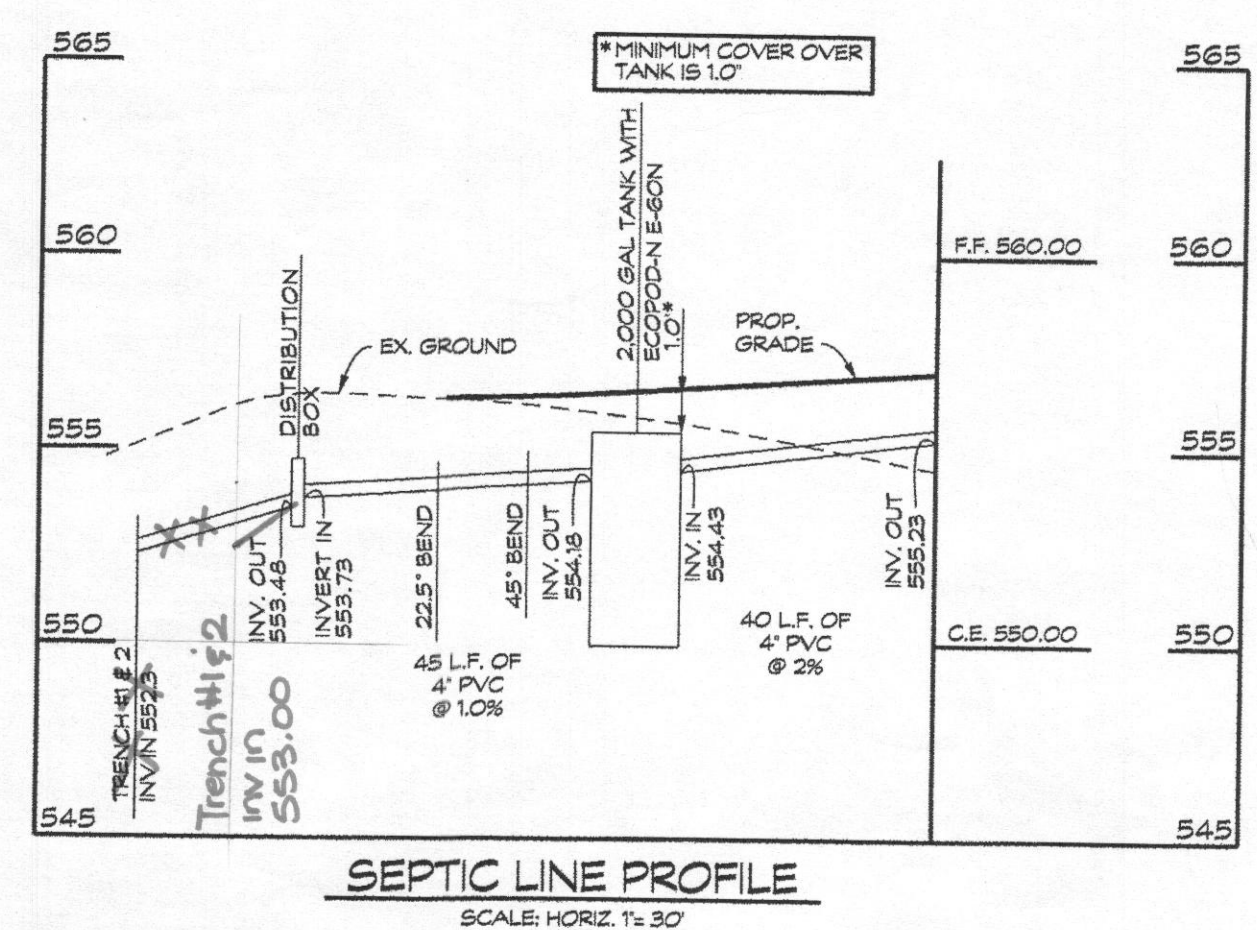


TRENCH CHART

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	554.5	553.5	553.0
2	554.5	552.5	552.0
	556.00	553.0	

BAT SITE PLAN 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 4 FEET.
- 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 LAND RECORDS OR HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURER'S SPECIFICATIONS.



NOTE:
ECOPOD-N SERIES MANUFACTURED BY DELTA ENVIRONMENTAL PRODUCTS

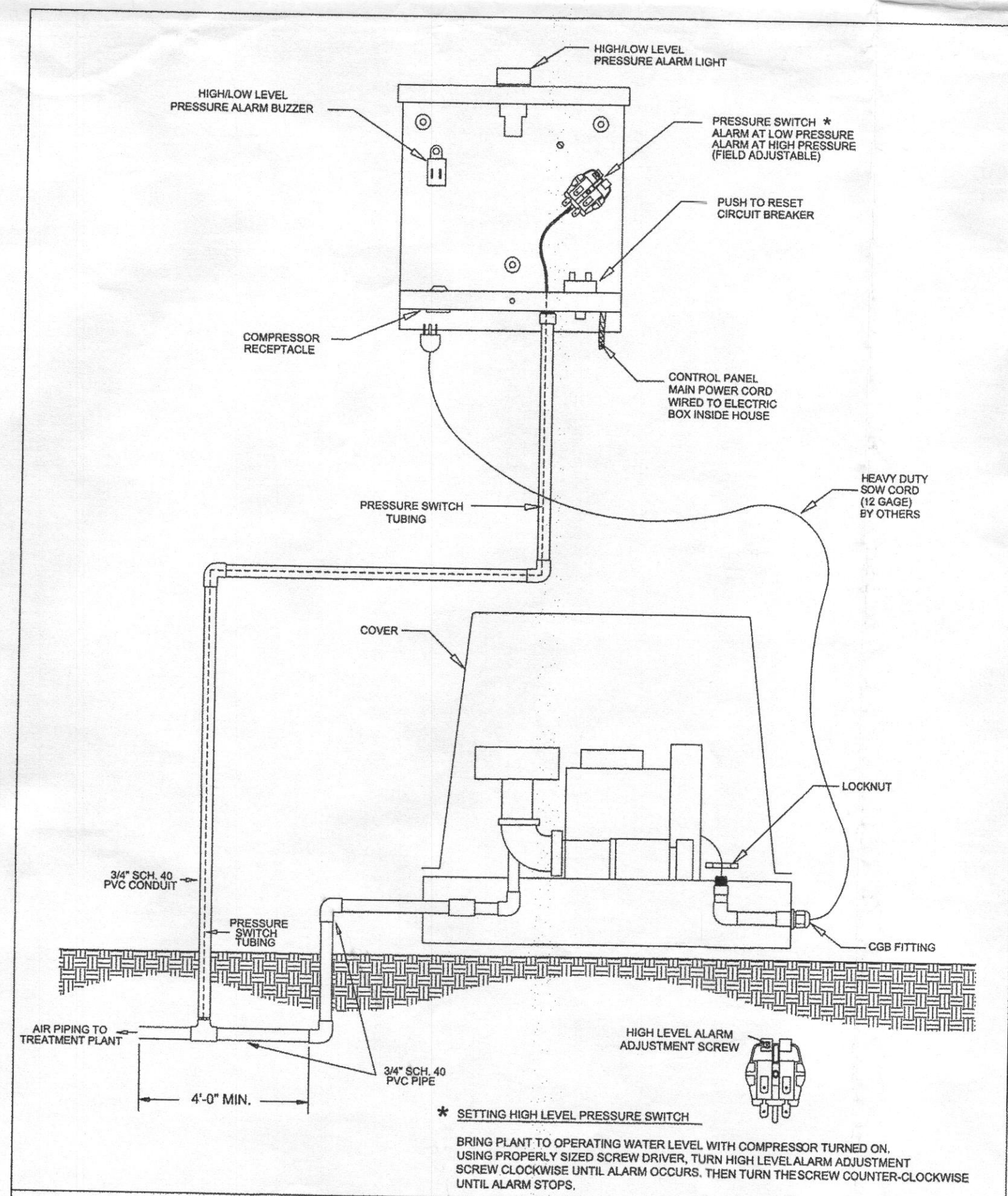
GENERAL NOTES

- 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.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT.
- THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
- EXISTING WELL LOCATION IS FIELD LOCATED.

SEPTIC SYSTEM TRENCH DESIGN:

HOUSE SQUARE FOOTAGE: 3,216 S.F.
PROPOSED NUMBER OF BEDROOMS = 4
AVERAGE PERCOLATION TEST TIME = 3
APPLICATION RATE = 1.2
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. = 167 LF. OF TRENCH
167 LF. x 0.50 = 83.5 LF. OF TRENCH = 84 LF.
USE 2 - 42 LF. OF TRENCH FOR INITIAL SYSTEM
USE 2 - 42 LF. OF TRENCH FOR EACH REPLACEMENT 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.



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

SITE PLAN AND PLOT PLAN FOR BAT INSTALLATION
SPRING MILL LLC
2508 GOOSE CHASE WAY
TAX ACCOUNT NO.: 353427
LOT 7
CLOVERFIELD- SECTION II
3RD ELECTION DISTRICT • HOWARD COUNTY, MD.
TAX MAP: 15 BLOCK: 7 PARCEL: 119



Linda D. Alexander
2-16-15
Linda D. Alexander
Qualified Professional

Date	Revisions	Drawn By: MNM, BM
2/6/15	ADDRESS HEALTH DEPT. COMMENTS	Designed By: LDA
2/17/15	revised per H. Dept	Reviewed By: LDA
		Date: 12/3/14
		Scale: 1" = 30'
		Job No.: 2013039
		Sheet: 1 OF 1

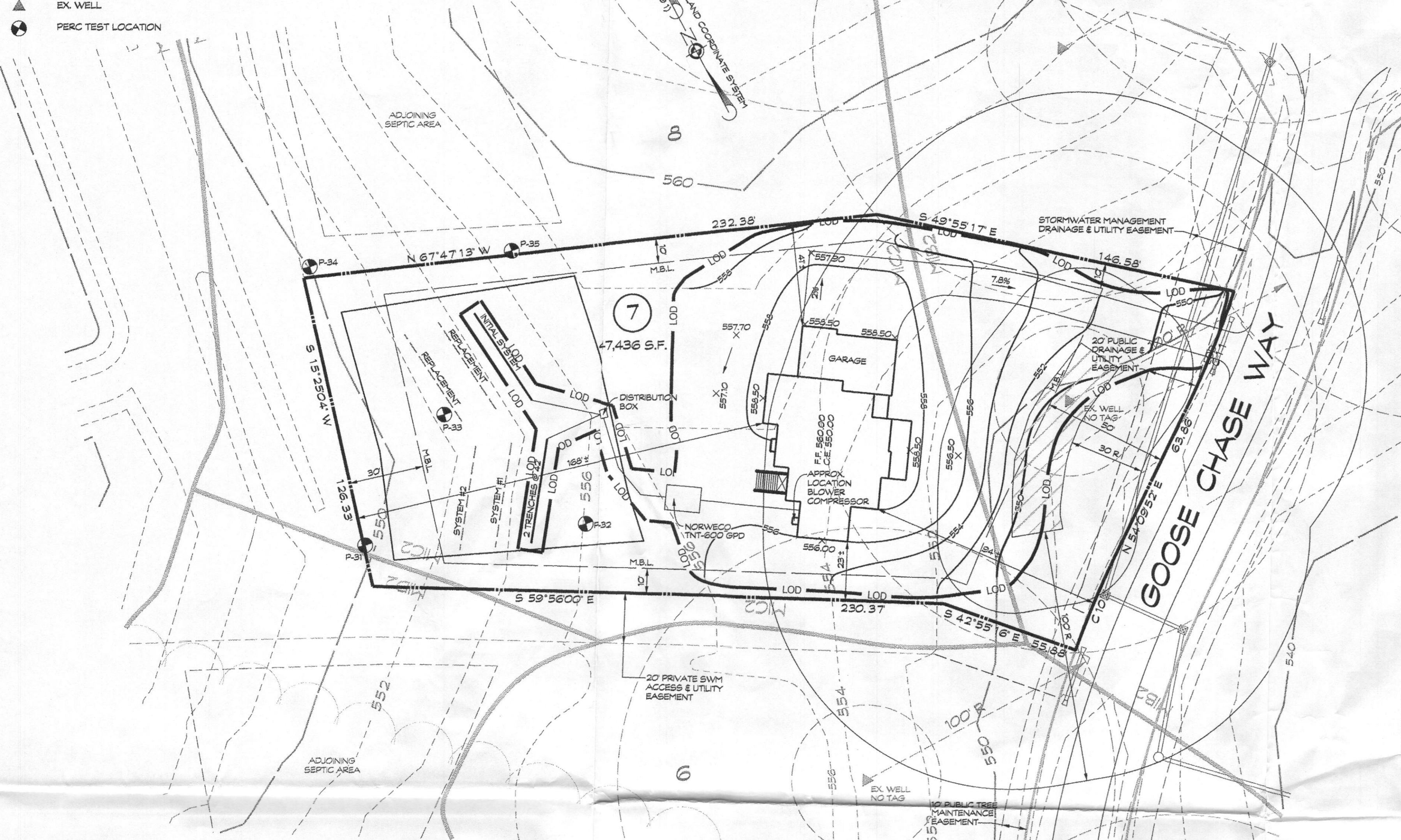
LEGEND:

- SPOT ELEVATION
- FLOW PATH & SLOPE
- EX. WELL
- PERC TEST LOCATION

CURVE DATA

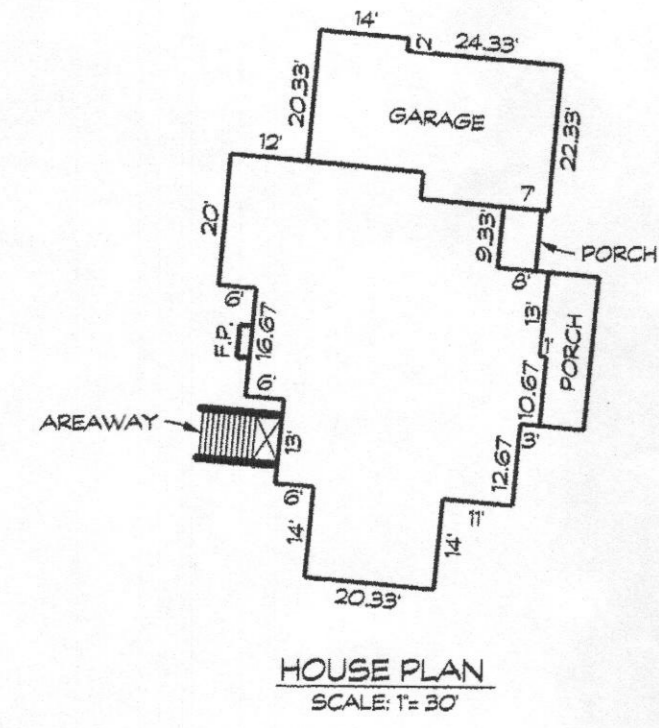
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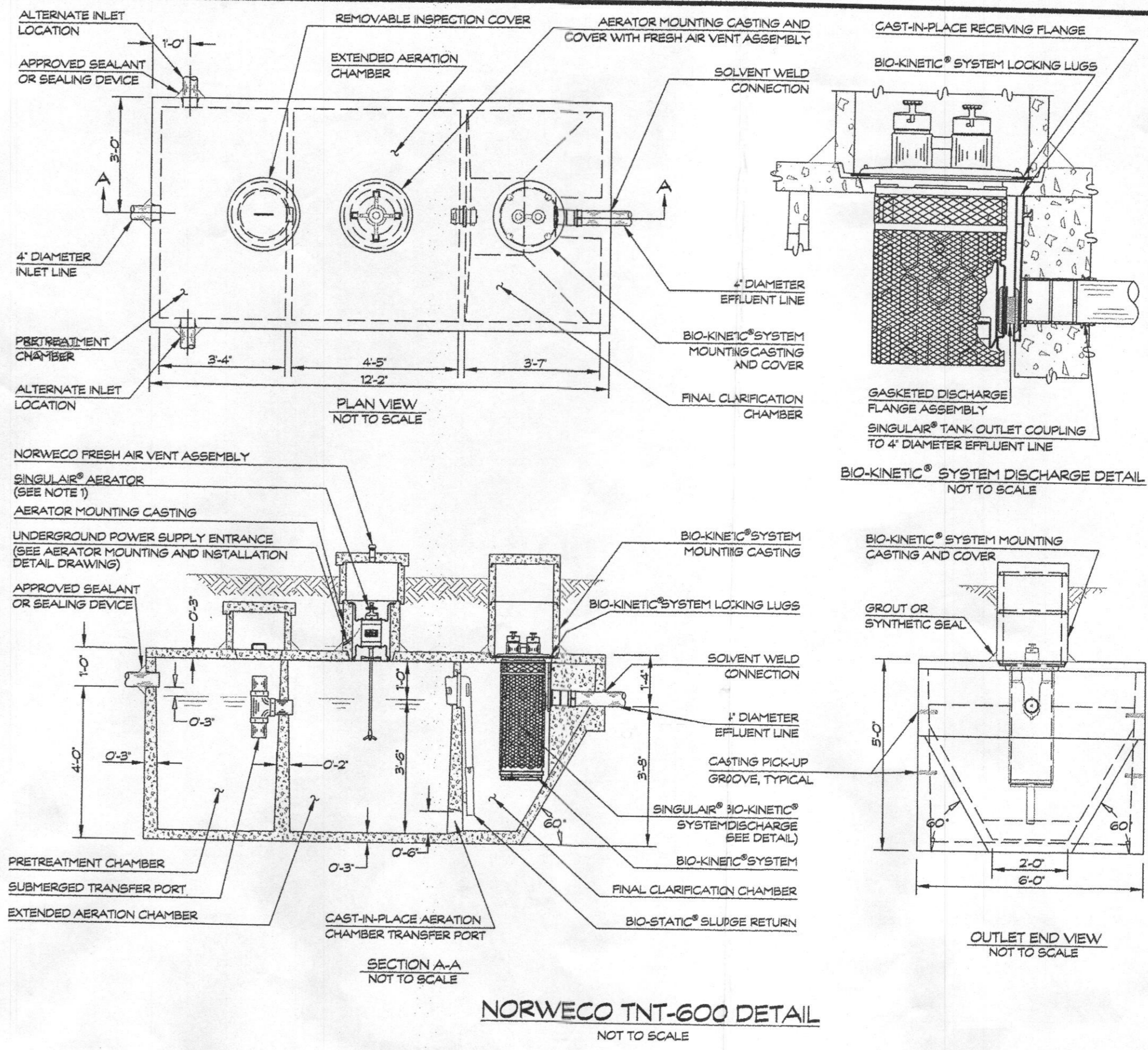
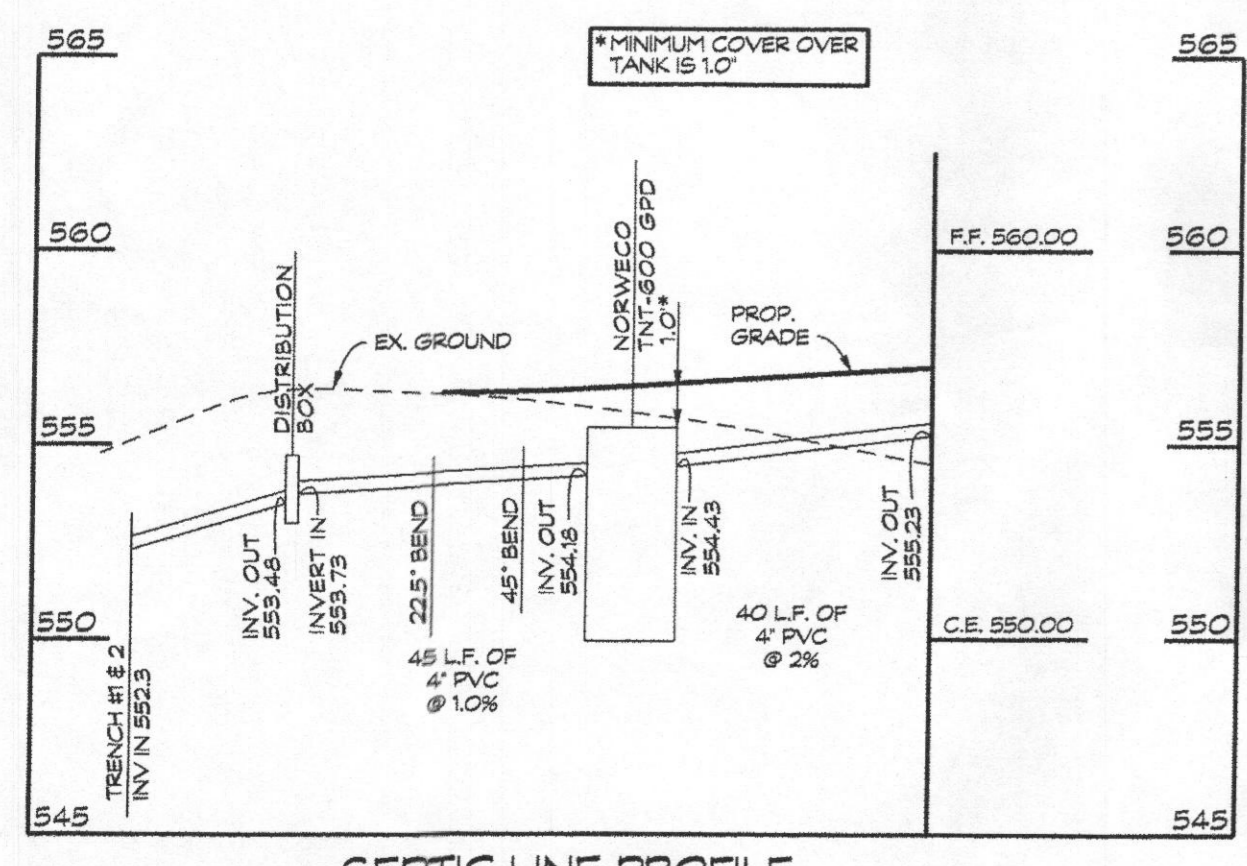
PLAN
SCALE: 1" = 30'

1500 SQ. FT. WELL BOX FROM PERCOLATION CERTIFICATION PLAN



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TAX MAP: 15 BLOCK: 7 PARCEL: 119

Linda D. Alexander
5/26/2015

CLSI
www.clsi-civileng.com
Lead Planning & Environmental Consultants

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

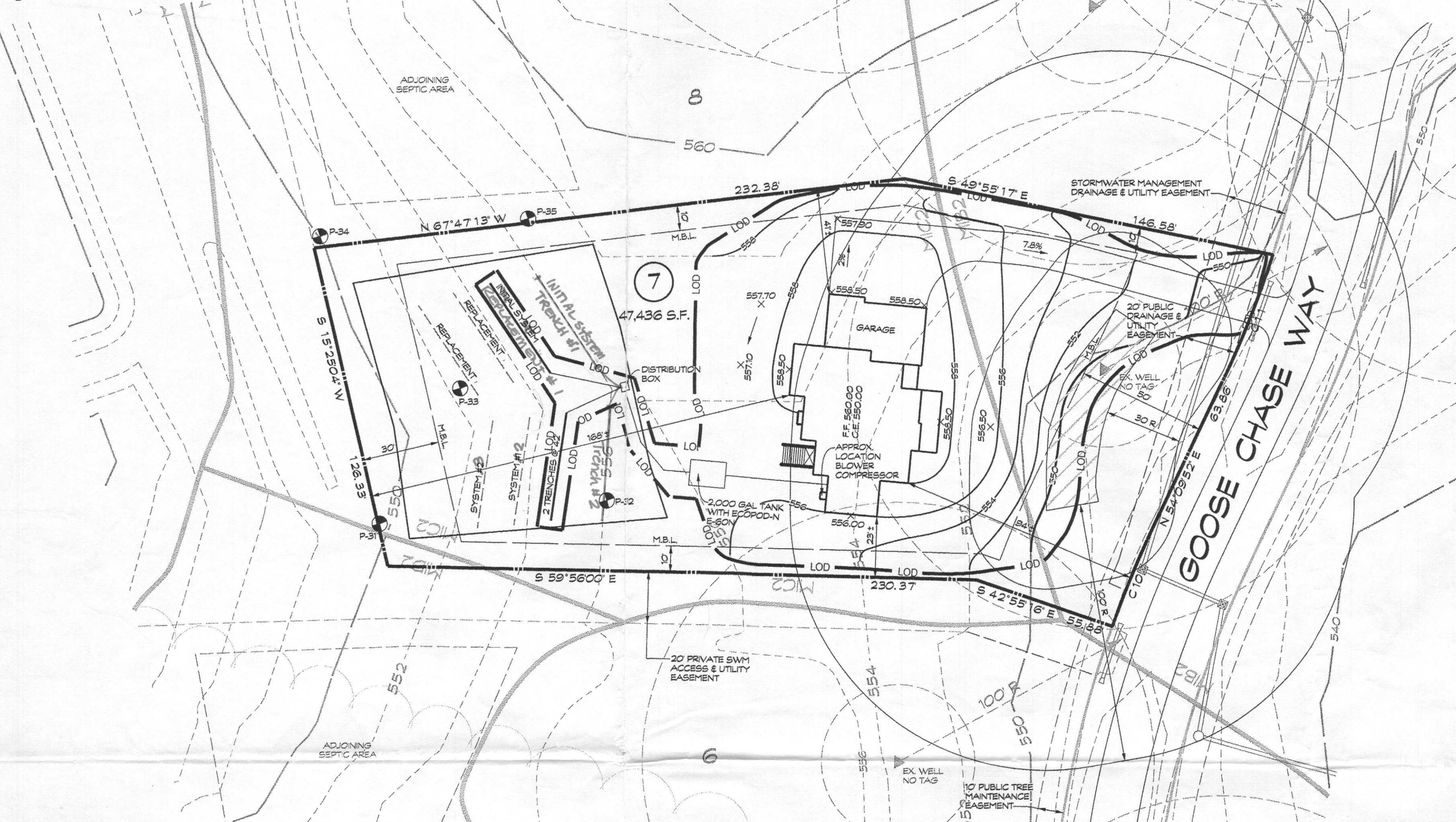
Date	Revisions	Drawn By: MNP, BM
2/6/15	ADDRESS HEALTH DEPT. COMMENTS	Designed By: LDA
3/25/15	REVISED BAT TANK	Reviewed By: LDA
		Date: 12/9/14
		Scale: 1" = 30'
		Job No.: 2013039
		Sheet: 1 OF 1

LEGEND:

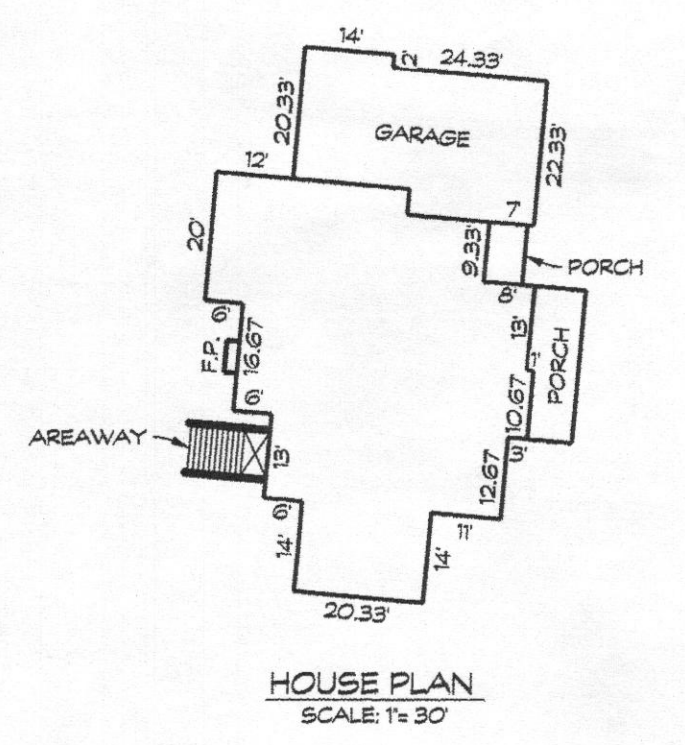
- Spot Elevation
- Flow Path & Slope
- Ex. Well
- Percolation Test Location

CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST
C 10	420.00	41.94	5°43'18"	20.99	S 51°18'13" W	41.92
C 11	201.00	50.64	7°38'09"	25.36	N 50°20'48" E	50.61



PLAN
SCALE: 1" = 30'

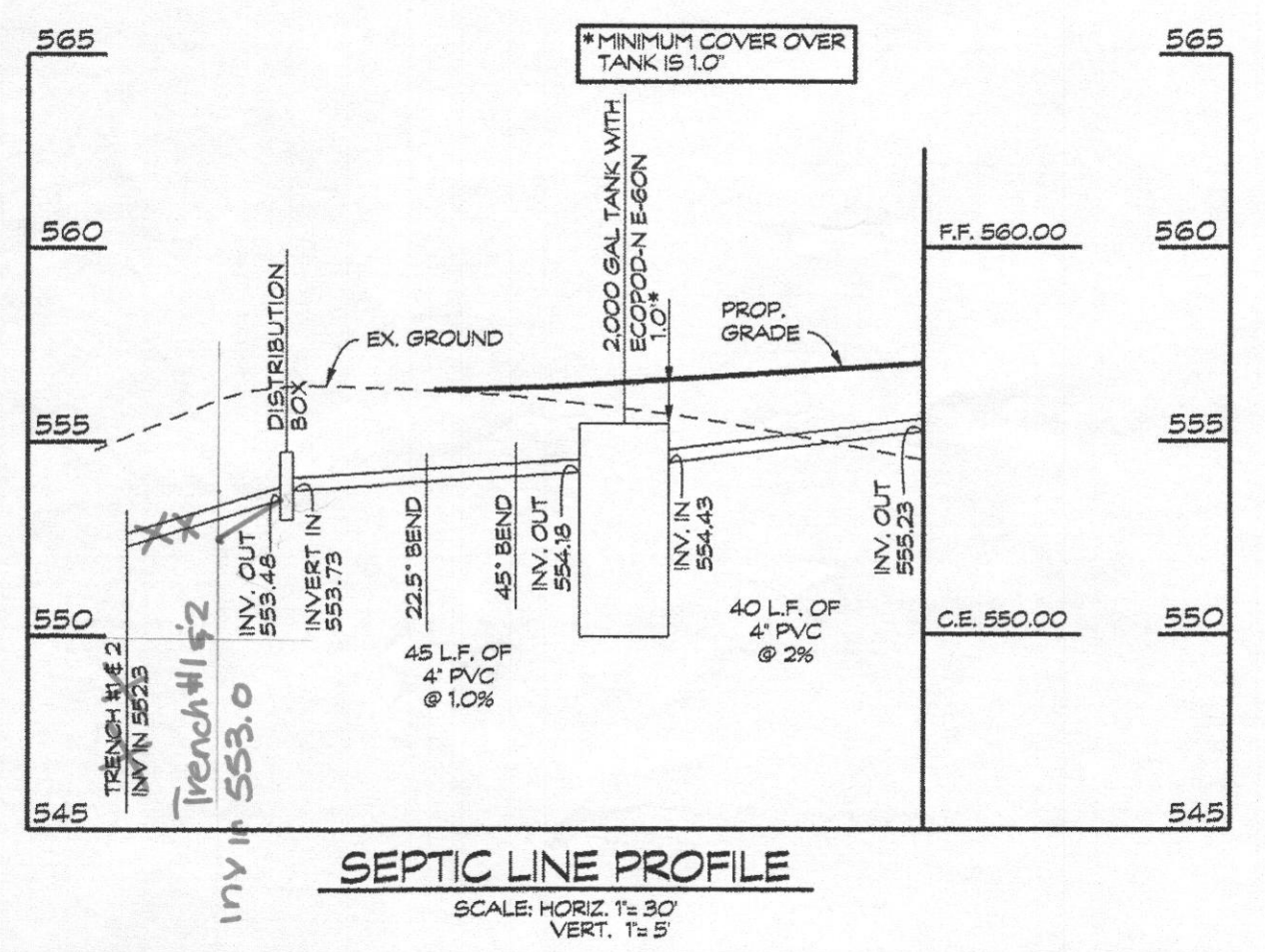


TRENCH CHART

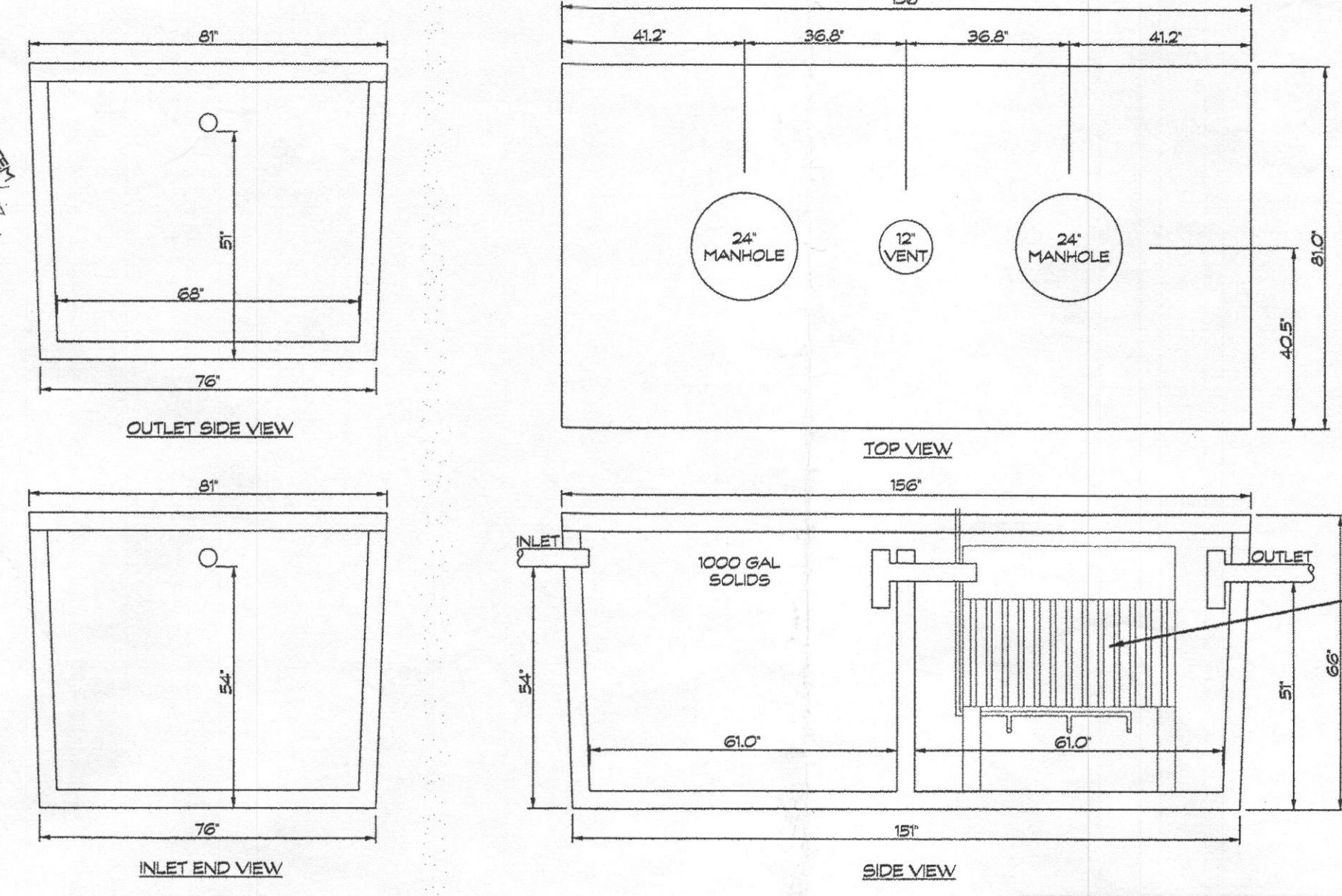
TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	554.8	552.2	548.2 550.0
2	554.6	552.2	548.2 550.0
	556.00	553.0	

BAT SITE PLAN 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 MANUFACTURERS SPECIFICATION IS 4 FEET.
- 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 LAND RECORDS OR HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURERS SPECIFICATIONS.



LOD DENOTES LIMIT OF DISTURBANCE TOTAL AREA = 25,687 S.F.



NOTE: ECOPOD-N SERIES MANUFACTURED BY DELTA ENVIRONMENTAL PRODUCTS

GENERAL NOTES

- 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.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT.
- THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
- EXISTING WELL LOCATION IS FIELD LOCATED.

SEPTIC SYSTEM TRENCH DESIGN:

HOUSE SQUARE FOOTAGE: 3,216 S.F.
 PROPOSED NUMBER OF BEDROOMS = 4
 AVERAGE PERCOLATION TEST TIME = 3
 APPLICATION RATE = 1.2
 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. = 167 L.F. OF TRENCH = 84 L.F.
 USE 2 - 42 L.F. OF TRENCH FOR INITIAL SYSTEM
 USE 2 - 42 L.F. OF TRENCH FOR EACH REPLACEMENT SYSTEM

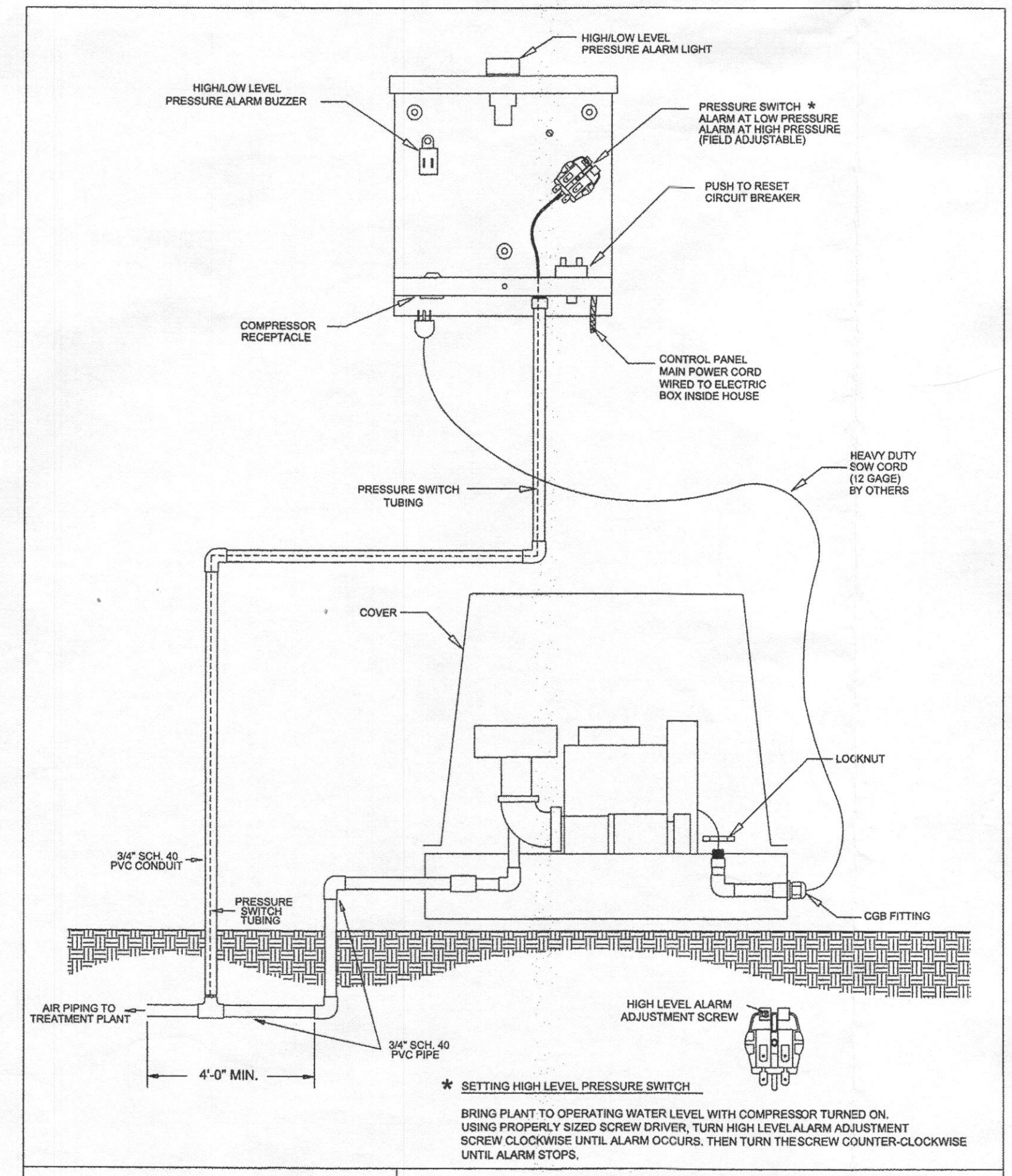
NOTE: SEPTIC DISPOSAL AREA AND PERCOLATION TEST LOCATIONS ARE FROM REVISED PERCOLATION CERTIFICATION PLAN DATED OCTOBER 2007 AND SIGNED BY HOWARD COUNTY HEALTH DEPARTMENT OCTOBER 5, 2007.

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

SITE PLAN AND PLOT PLAN FOR BAT INSTALLATION
 SPRING MILL LLC
 2508 GOOSE CHASE WAY
 TAX ACCOUNT NO.: 353427
 LOT 7
CLOVERFIELD- SECTION II
 3RD ELECTION DISTRICT - HOWARD COUNTY, MD.
 TAX MAP: 15 BLOCK: 7 PARCEL: 119



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



CONTROL PANEL CONNECTIONS USING REGENERATIVE SERIES COMPRESSORS

DWN BY:	DATE:	SCALE:	DWG. NO.:
C.RACHAL	05/18/09	N.T.S.	CP Con Regen

Date	Revisions	Drawn By
2/6/15	ADDRESS HEALTH DEPT. COMMENTS	Designed By: LDA
2/15/15	road per H.Dept	Reviewed By: LDA
		Date: 12/31/14
		Scale: 1" = 30'
		Job No.: 2013039
		Sheet: 1 OF 1

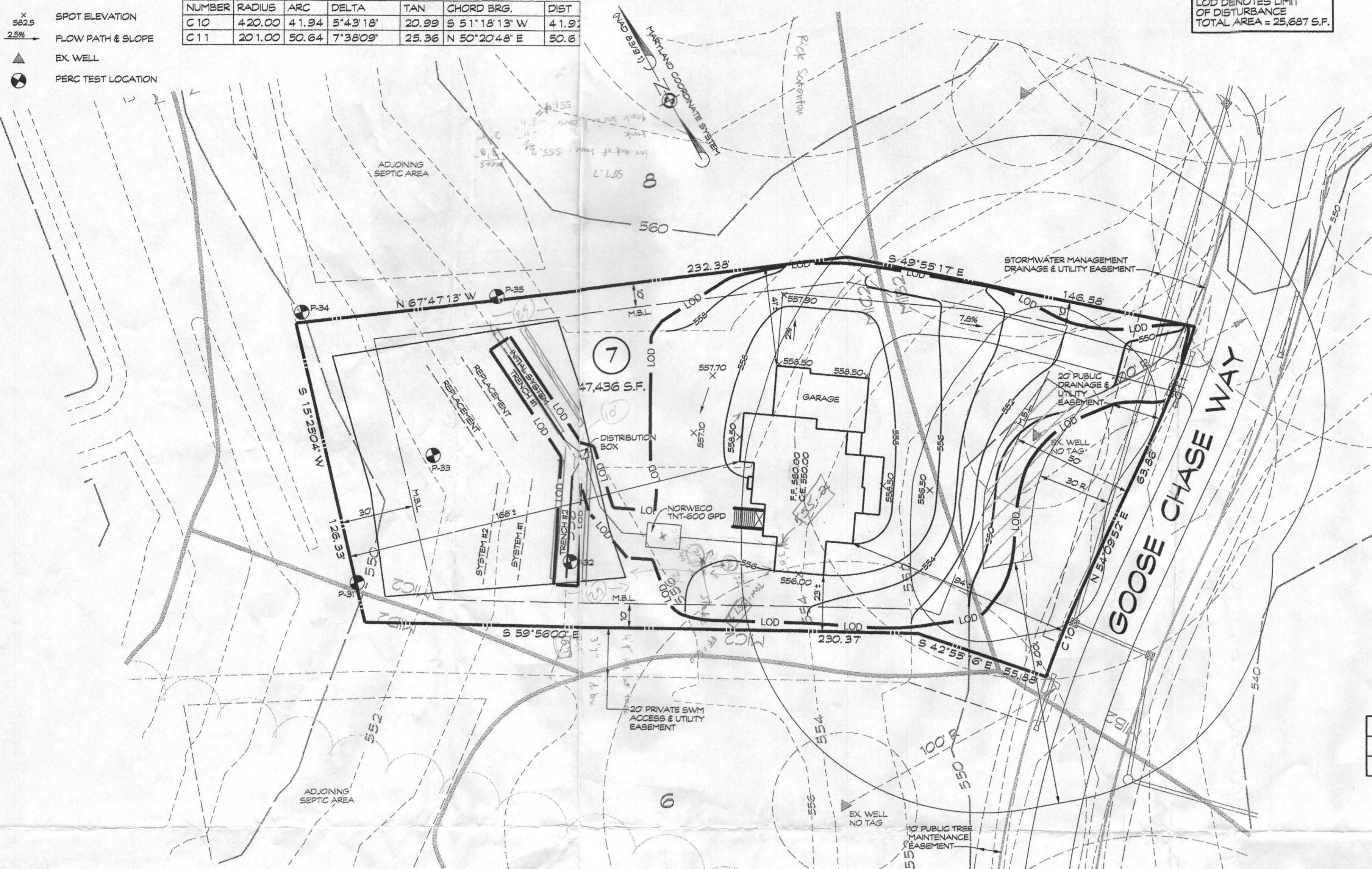
LEGEND:

- X 562.5 SPOT ELEVATION
- 2.5% FLOW PATH & SLOPE
- ▲ EX. WELL
- PERC. TEST LOCATION

CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN	CHORD BRG.	DIST.
C 10	420.00	41.94	5°43'18"	20.99	S 51°18'13" W	41.92
C 11	201.00	50.64	7°38'09"	25.36	N 50°20'48" E	50.62

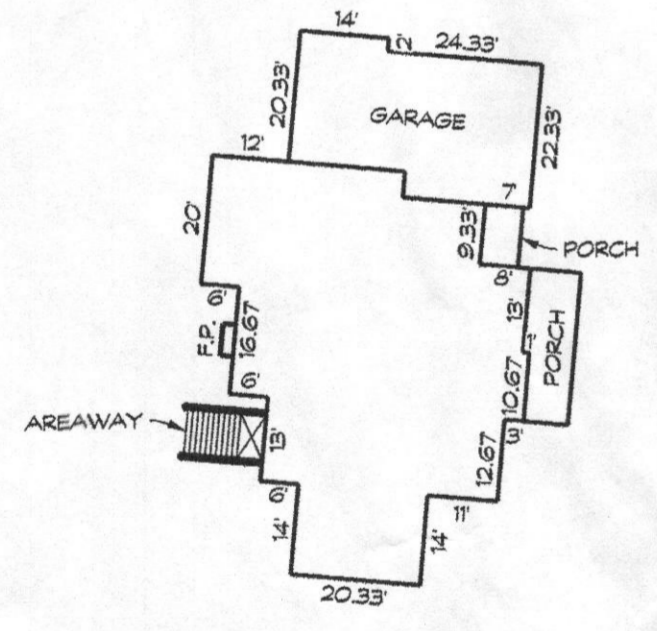
LOD DENOTES LIMIT OF DISTURBANCE
TOTAL AREA = 25,687 S.F.



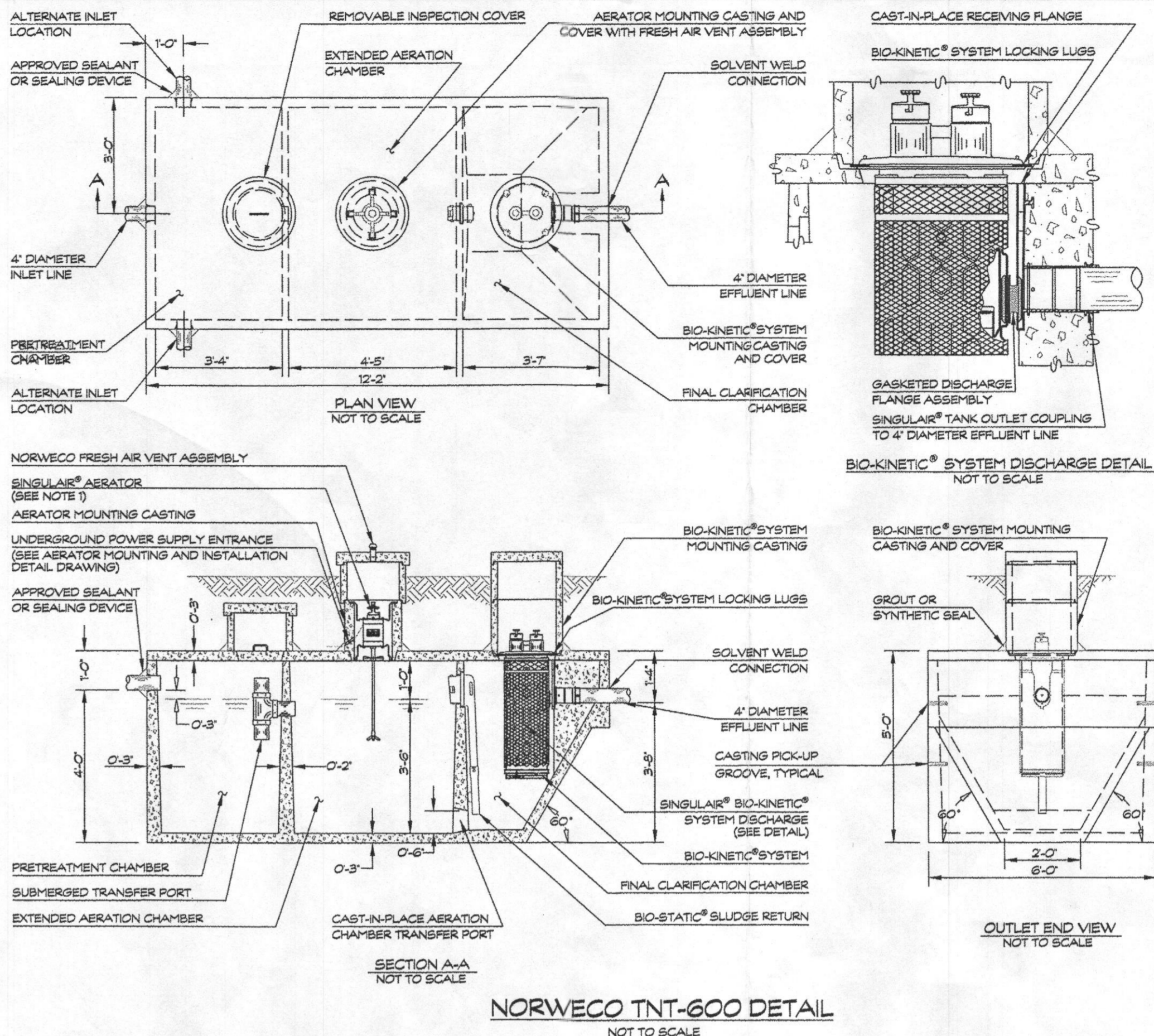
PLAN

SCALE: 1" = 30'

1500 SQ. FT. WELL BOX FROM PERCOLATION CERTIFICATION PLAN



HOUSE PLAN
SCALE: 1" = 30'



NORWECO TNT-600 DETAIL
NOT TO SCALE

TRENCH CHART

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	556.0	553.0	550.0
2	556.0	553.0	550.0

SEPTIC SYSTEM TRENCH DESIGN:

HOUSE SQUARE FOOTAGE: 3,216 S.F.
 PROPOSED NUMBER OF BEDROOMS = 4
 AVERAGE PERCOLATION TEST TIME = 3
 APPLICATION RATE = 1.2
 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. = 167 LF. OF TRENCH
 167 LF. x 0.50 = 83.5 LF. OF TRENCH = 84 LF.
 (USE 2 - 42 LF. OF TRENCH FOR INITIAL SYSTEM
 USE 2 - 42 LF. OF TRENCH FOR EACH REPLACEMENT SYSTEM)

GENERAL NOTES

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

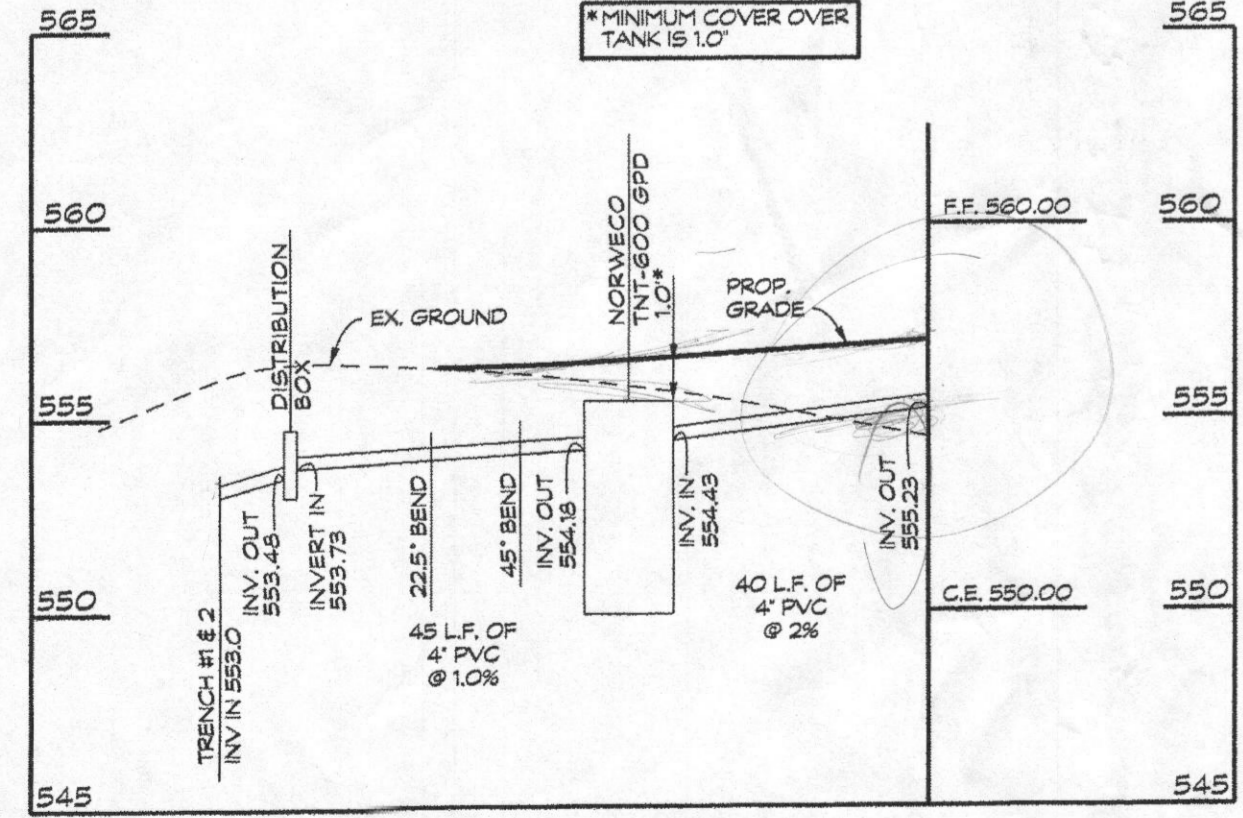
SITE PLAN AND PLOT PLAN FOR BAT INSTALLATION
 SPRING MILL LLC
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 TAX ACCOUNT NO.: 353427
 LOT 7
CLOVERFIELD- SECTION II
 3RD ELECTION DISTRICT * HOWARD COUNTY, MD.
 TAX MAP: 15 BLOCK: 7 PARCEL: 119



439 East Main Street Westminster, MD 21157-5539
 (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. *3 feet NB*
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.
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SEPTIC LINE PROFILE
 SCALE: HORIZ. 1" = 30'
 VERT. 1" = 5'

Approved Septic System Plan
 Howard County Health Department
 NORWECO TNT-600
 To Gravity Drainfield
 RBuckler 5/14/2015
 Signature Date
 B15000016

- sewer out
 - depth of tank will determine depth of inlet part of trench

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
Fax (410) 848-1791

April 29, 2015

Howard County Health Department
8930 Stanford Blvd
Columbia, MD 21045

Attn: Mr. Robert Bricker
Environmental Sanitarian II

RE: Cloverfield – Section 2 BAT Site Plan, Lot 7
CLSI Job No.: 2003174

Dear Mr. Bricker,

We offer the following responses to your comment letter dated April 14, 2015:

1. The plan has been revised per the attached red lines.

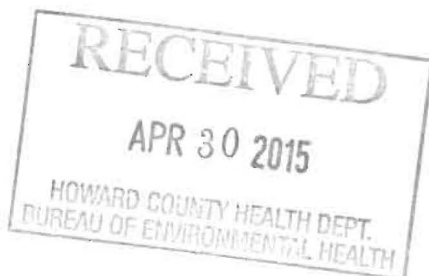
Should you have any questions or concerns, please feel free to contact our office.

Sincerely,

A handwritten signature in cursive script that reads "Linda Alexander".

Linda Alexander
Associate/ Project Manager

Cc: File



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From: Bricker, Robert
Sent: Friday, February 06, 2015 4:08 PM
To: Linda D. Alexander
Cc: Rob Scranton; Williams, Jeffrey
Subject: RE: Coverfield II 2013039
Importance: High

If a lot has been approved with a well zone and our reviewers are accepting site plans that show a different configuration for well locations or well zones that is different than approved on the percolation certification plan, then our reviewers are in error.
In the Plan View portion of the BAT Site Plan the same requirements apply as for any site plan for new construction, i.e. the sewage disposal area must be illustrated and the well configuration must be illustrated, both as they were illustrated on the most recently approved percolation certification plan.
Robert Bricker, REHS/R.S., L.E.H.S.

From: Linda D. Alexander [<mailto:lalexander@clsimail.com>]
Sent: Friday, February 06, 2015 10:28 AM
To: Bricker, Robert
Cc: Rob Scranton
Subject: RE: Coverfield II 2013039

Good Morning Robert,
Up until your letter for Lot 7 all the other BAT Site plans/Plot Plans that have been submitted and approved have shown the existing well location and 2 alternative locations. We have not been required to show the well zone per the perc cert plan. The BAT Site Plan checklist requirements does not state that well zone or the 3 alter locations need to be shown according to the Perc Cert Plan.

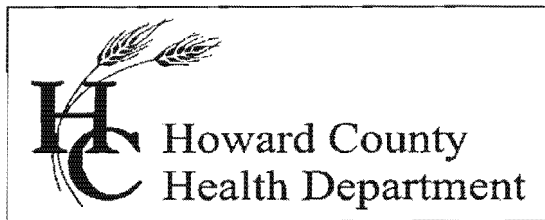
So the developer is question as to why we can not continue to show the existing well and two alternatives location as we have been doing? There houses that are being constructed are substantially larger and deeper than what was originally proposed.

Please let me know
Thank you

Linda D. Alexander
Associate / Senior Project Manager



439 East Main Street
Westminster, Maryland



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

February 3, 2015

To: Linda A. Alexander, CLSI


RE: BAT Site Plan comments; 2508 Goose Chase Way (Cloverfield II, Lot 7)

The following amendments, deletions, or revisions are needed on the submitted BAT Plan (January 23) for the subject property.

1. The well configuration on the referenced Percolation Certification Plan (October 2007) is a well zone. The configuration of three well locations illustrated on this submittal is not approvable without a revised Percolation Certification Plan.
2. The areaway is considered part of the foundation, therefore the BAT unit must be at least 20 feet from the areaway.
3. The distribution lines are spanning a concave landform, and your placement of trenches utilizes the sewage disposal area in a very inefficient manner. The best option to mitigate these issues is to place a distribution box at the uppermost boundary of the sewage disposal area and illustrate equal length lines to each side of the swale.
 - a. Limit the trench bottom to 5.5 feet. (Please notice that this reduces your coefficient for trench length reduction = 0.5)
 - b. Utilize 42-foot trenches to either side of the D-Box

Submit two copies of the revised BAT Plan to my attention at the Bureau of Environmental Health. You may contact me at 410-313-2691, or by email, if you have questions about these requirements.

Respectfully,


Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Health Specialist
Well and Septic Program

Copy: pwalter@catonsvillehomes.com
file

Bricker, Robert

From: Linda D. Alexander <lalexander@clsimail.com>
Sent: Wednesday, January 21, 2015 3:16 PM
To: Bricker, Robert
Subject: Cloverfield II

Robert,
The client is going to drop off a second plan on Lot 13, but he also wants to know if you received two copies of Lot 7. It was submitted within a day or two of Lot 13. He wants to make sure that you have enough plans for Lot 7.

Thanks,

Linda D. Alexander

Associate / Senior Project Manager

CLSI

439 East Main Street
Westminster, Maryland
(office) 410-871-4475
(cell) 443-375-9903
lalexander@clsimail.com NOTE: THIS IS A NEW EMAIL ADDRESS

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(office) 410-871-4475
(cell) 443-375-9903
lalexander@clsimail.com NOTE: THIS IS A NEW EMAIL ADDRESS

From: Bricker, Robert [<mailto:RBricker@howardcountymd.gov>]
Sent: Tuesday, February 03, 2015 3:52 PM
To: Linda D. Alexander
Cc: pwalter@catonsvillehomes.com
Subject: RE: Coverfield II Lot 7

See attached PDF for comment concerning Lot 7.
The second copy for Lot 13 has been received and is in the file.

From: Linda D. Alexander [<mailto:lalexander@clsimail.com>]
Sent: Tuesday, February 03, 2015 3:30 PM
To: Bricker, Robert
Cc: pwalter@catonsvillehomes.com
Subject: RE: Coverfield II Lot 7

Robert,
I didn't do lot 11 yet. Do you mean Lot 7 or lot 13? Plus there were no comments attached. I am working on Lot 7 now.

Linda D. Alexander
Associate / Senior Project Manager



439 East Main Street
Westminster, Maryland
(office) 410-871-4475
(cell) 443-375-9903
lalexander@clsimail.com NOTE: THIS IS A NEW EMAIL ADDRESS

From: Bricker, Robert [<mailto:RBricker@howardcountymd.gov>]
Sent: Tuesday, February 03, 2015 3:25 PM
To: Linda D. Alexander
Cc: pwalter@catonsvillehomes.com
Subject: Coverfield II Lot 7

Linda, The BAT Plan delivered here on January 23 for Cloverfield II, Lot 11 was the same as the original submittal. See attached PDF for comments.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 4120-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Tuesday, February 10, 2015 9:56 AM
To: 'Rob Scranton'; Bricker, Robert
Cc: Linda D. Alexander; Pam Walter
Subject: RE: Coverfield II 2013039

The BAT plan needs to be revised according to Robert's comments prior to Health approval of the building permit. I looked at the plan and I concur that all of his comments must be addressed before we can approve the plan. The house and driveway locations on this lot do not interfere with the original wellbox as shown on the perc cert. There is no indication that a switch to three distinct well sites is required to meet our setbacks. Therefore, we will require the wellbox to be shown on the BAT plan or you can submit a revised perc cert to change the wellbox to three distinct sites.

I did review some old BAT plans from Cloverfield and saw that we did approve them showing well locations different from the original perc cert. As Robert stated, that is a deviation from our code requirements. Please note that moving forward, we will require a revised perc cert in order to relocate wells or wellboxes. In this case, it appears that the relocation is not necessary. Thanks
Jeff

From: Rob Scranton [mailto:rscranton@catonsvillehomes.com]
Sent: Monday, February 09, 2015 2:04 PM
To: Williams, Jeffrey; Bricker, Robert
Cc: Linda D. Alexander; Pam Walter
Subject: RE: Coverfield II 2013039

Mr. Bricker and Mr. Williams,

What is the status of the permit for CLOVERFIELD LOT 7?

Rob Scranton
Catonsville Homes LLC
11175 Stratfield Court
Marriottsville, MD 21104
410.442.2211 x206

From: Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]
Sent: Monday, February 09, 2015 8:23 AM
To: Linda D. Alexander
Cc: Rob Scranton; Bricker, Robert
Subject: RE: Coverfield II 2013039

Hello Linda. If it's not too much trouble, are you able to tell me which other lots have been approved with well sites different from the perc cert? Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov