



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: 6/18/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554512-A

INSTALLATION APPROVAL DATE: 8/8/14 **PERMIT** A _____
RMD

CONSTRUCTION

PROPERTY ADDRESS: 14561 Edgewoods Way

SUBDIVISION: Edgewood Farm LOT: 39 TAX ID: 04-372670

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kevin@foglesinc.com

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

PROPERTY OWNER: Toll MD V LP EMAIL: _____

OWNER ADDRESS: 7164 Columbia Gateway Drive, MD 21045 PHONE: 410-872-9105

BAT UNIT MODEL: ECOPOD E609CA ✓ BAT UNIT SIZE: 600GPD

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

NUMBER OF BEDROOMS: 4 ✓ HOUSE SQ. FT. _____ APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

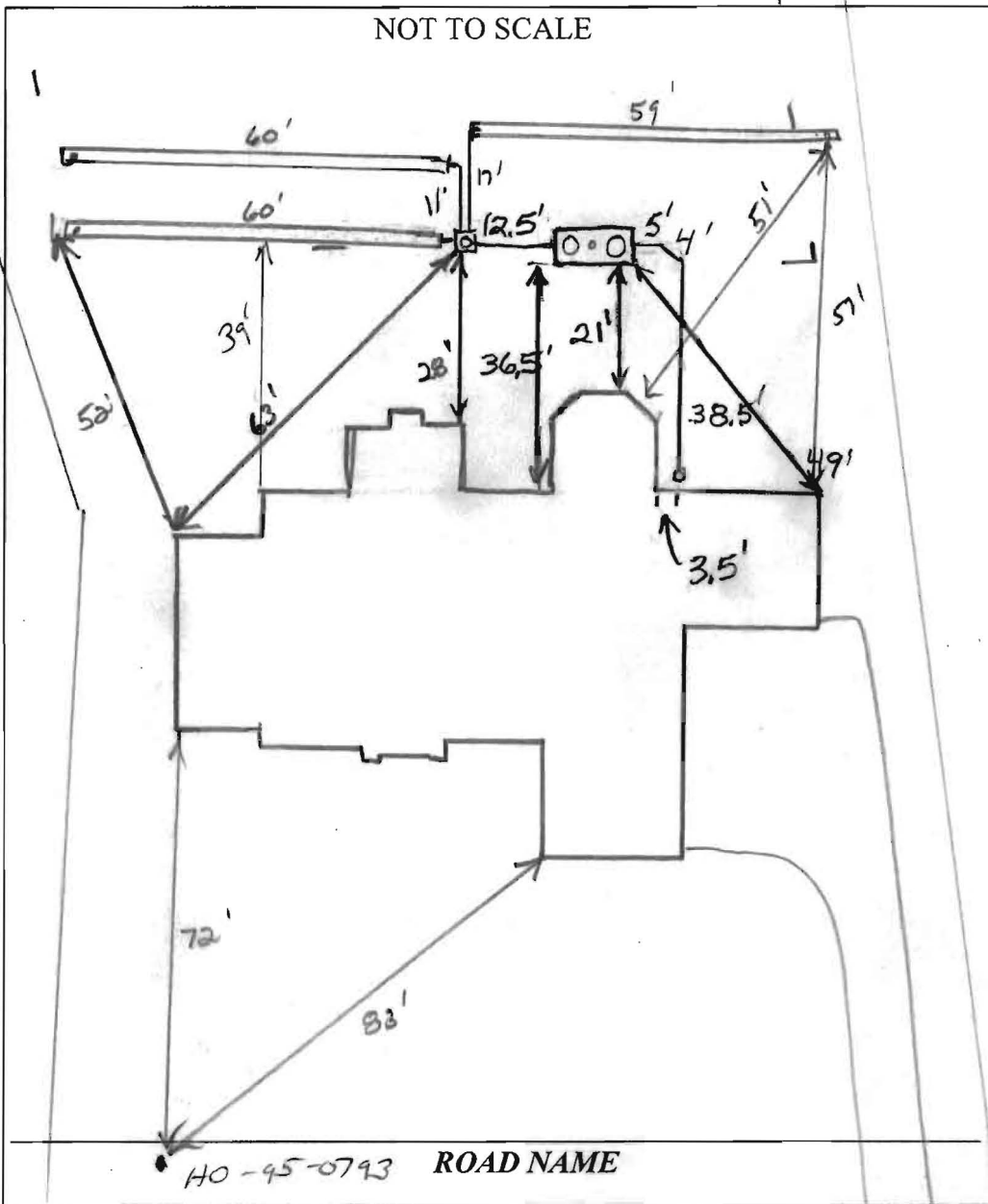
| | | |
|-----------|--|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>SEE BAT PLAN 180'</u> | INLET DEPTH: <u>SEE BAT PLAN 3'</u> |
| | TRENCH WIDTH: <u>SEE BAT PLAN 2'</u> | MAXIMUM BOTTOM DEPTH: <u>SEE BAT PLAN 8'</u> |
| | MINIMUM SPACE BETWEEN TRENCHES: <u>SEE BAT PLAN 10'</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>SEE BAT PLAN 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. <i>* Specs adjusted to concrete area inside SDA.</i> | |

ISSUED BY: Jeff Williams ISSUE DATE: 6-18-14 EXPIRATION DATE: 6-18-15

- 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 DOWNGRAIENT 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 |
|-------------------------|-------|------------|
| 2' | 3' | 8' |
| NUMBER OF TRENCHES | | 3' |
| TOTAL LENGTH | | 180' |
| ABSORPTION AREA | | 360' x 3W |
| DISTRIBUTION BOX LEVEL | | Level 1.65 |
| DISTRIBUTION BOX BAFFLE | | Yes |
| DISTRIBUTION BOX PORT | | Yes |

SEPTIC TANK DATA

| | |
|---------------------|--------------|
| SEPTIC TANK I LEVEL | Yes |
| MANUFACTURER | Babylon |
| CAPACITY | _____ GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 1'-2" |
| BAFFLES | Front |
| BAFFLE FILTER | No |
| MANHOLE LOC | Front + Rear |
| 6" PORT LOC | Middle |
| WATERTIGHT TEST | No |
| SLOTTED | N/A |
| DATE ON LID | 6/15/2014 |

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:

7/15/14 layout cancelled. (KW)
 7/16/14 spec's adjusted slightly. Install D box top center of SRA. left most area of SRA "rutted" heavily from tire tracks. Install 3x60' trenches in opposite direction. Keep BAT unit 20' from house. Informed contractor "Ed Klingenhoffer" not BAT certified. (KW)

INSTALLATION: 7/18/2014 Need house connection.

7/21/14 Trenches installed per layout. Single 60' trench extends 2' or so out of SRA. OK to cover work. Need BAT start-up (KW)
 8/6/14 system appeared to be working properly w/ blower on. Need start-up certification report from manufacturer. (KW) 8/8/14 start-up letter received

FINAL INSPECTOR

K. Kelly

DATE OF APPROVAL

8/8/14

Babylon

VAULT

S I N C E 1 9 3 0

Burial Vaults - Septic Tanks

PHONE:
410-848-0393

FAX:
410-848-3551

925 WAKEFIELD VALLEY ROAD
NEW WINDSOR, MD 21776

**Five Year Initial Service Policy
On Site Wastewater Treatment System**

| | |
|------------------------------|-------------------------------------|
| Brand Name: <u>ECOD</u> | Model Number: <u>ECOPD 60</u> |
| Purchase Date: <u>8/6/14</u> | Serial Number: <u>F-60N 02153CA</u> |

INITIAL POLICY:

A five (5) year service policy shall be furnished to the user by the Installer.

This policy is included in the original purchase price and shall provide the following:

1. An inspection/service call every six months which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function for the first year. And once a year there after.
2. An effluent quality inspection every six months consisting of a visual check for color, turbidity, scum overflow, and an examination for odors for the first year. And then once a year there after.
3. A sample shall be pulled from the aeration tank once a year as described in the "Solids Removal" Section to determine if there is an excess of solids in the treatment plant. If the test results determine if there is an excess of solids in the treatment plant. If the test results determine a need for solids removal, the user will bear the cost and responsibility for doing so.
4. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.

Violations of Warranty including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system restricting ventilation to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into the system, or any other form of unusual abuse.

**THIS POLICY DOES NOT INCLUDE PUMPING
SLUDGE FROM UNIT IF NECESSARY**

PERMITTING AUTHORITY:

Howard County

SYSTEM OWNER:

Toil Brothers

INSTALLATION LOCATION:

14561 Edgewoods Way

DISTRIBUTOR:

Babylon Vault Co
925 Wakefield Valley Rd
New Windsor MD 21776

INSTALLER:

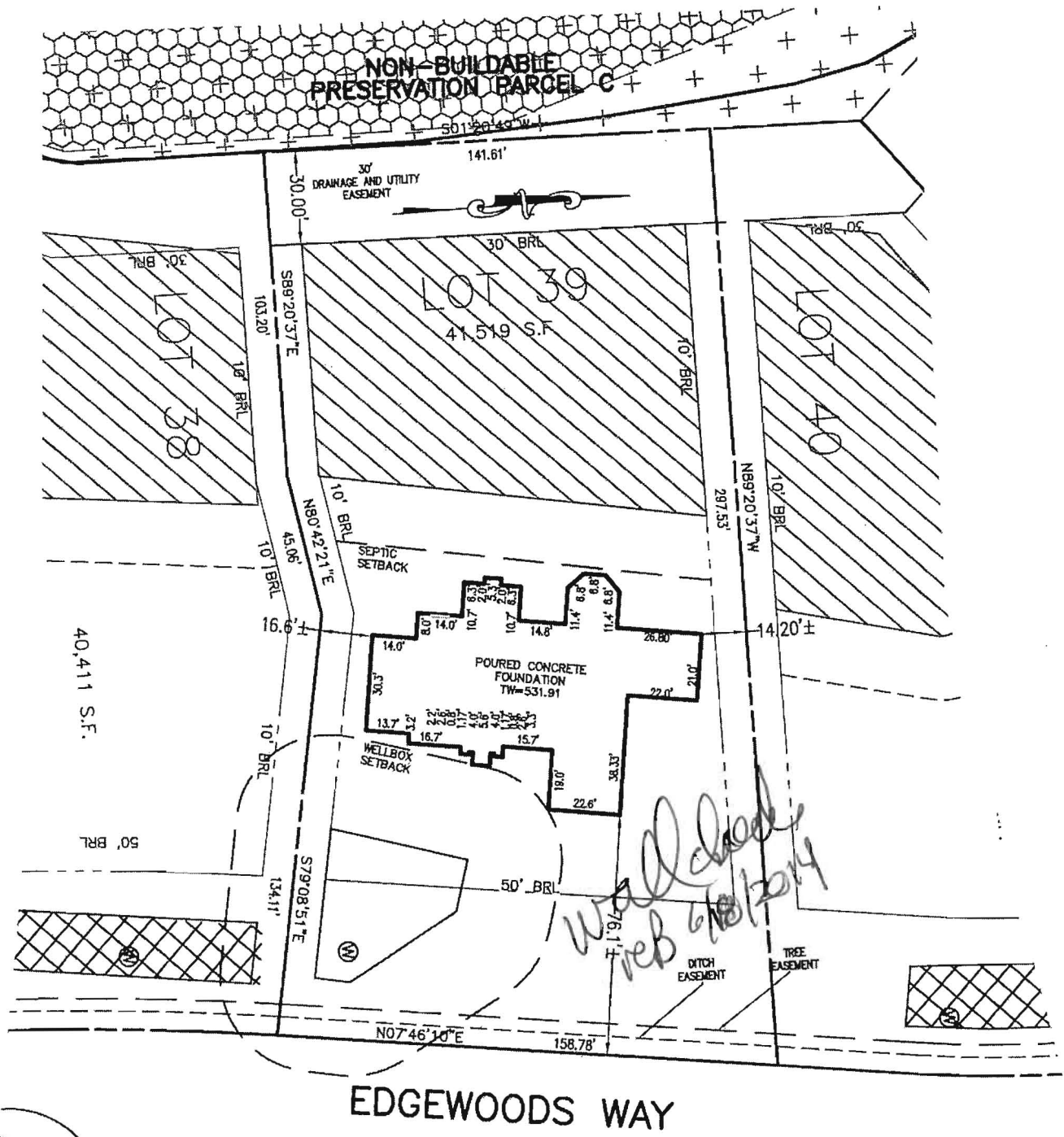
Fogles Septic
Obrecht Rd
Sykesville MD

SERVICE COMPANY:

Babylon Vault Co
Service Operators License Number: Stam R Kory G.M

I agree to abide by the service policy as stated above: _____

Witness: _____



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: 14561 EDGEWOODS WAY
GLENELG MD 21737

SURVEYOR'S NOTE

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.

SIGNATURE: MICHAEL JOE BOYCE 21328 03/07/14
MD. LIC NO. DATE

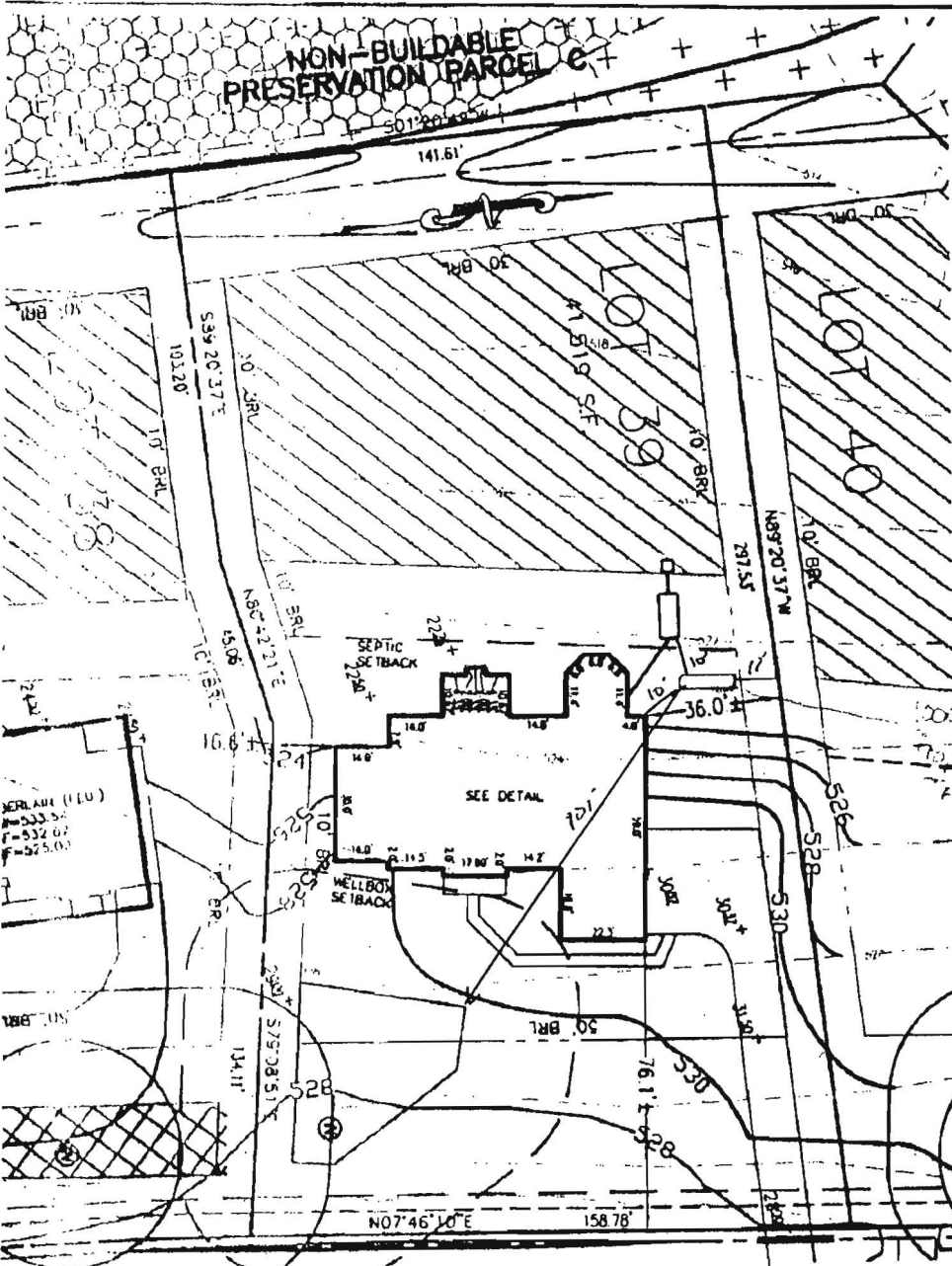
WALL_CHECK
LOT_#39
EDGEWOOD_FARM
LIBER_4174_FOLIO_0436
PLAT_NO._19268
FOURTH_ELECTION_DISTRICT
HOWARD_COUNTY,_MARYLAND



ESE 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: 3/7/14 SCALE: 1"=50' FILE: LOT_39_WC
CHK'D: MJB JOB#: 1498 DRAWN: RWA



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 EDGEWOOD FARM, PLAT No. 19268. REFER TO THIS PLAT FOR ANY RESTRICTIONS AND/OR PROVISIONS.

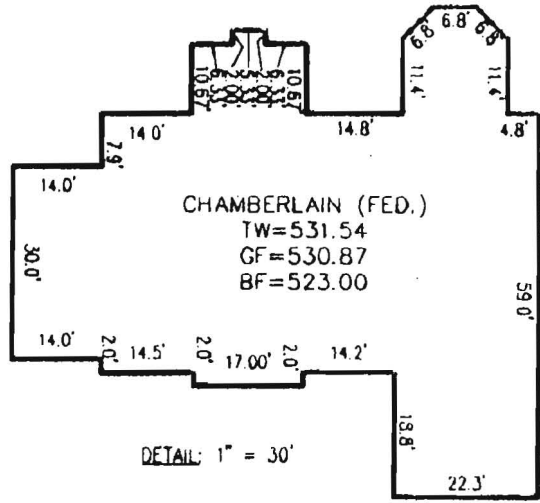
BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0793) HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.

WELL No. HO-95-0793
 ADDRESS:
 14561 EDGEWOODS WAY
 GLENELG, MD 21737

EDGEWOODS WAY <

* propane tank approved as shown 7/1/14 - H.O.



| | |
|-----------------------|-------|
| INV. @ HOUSE | 531.1 |
| GROUND @ INV. @ HOUSE | 538.4 |
| INV. @ TANK | 529.9 |
| INV. @ TANK | 529.6 |
| TOP OF TANK | 530.6 |
| GROUND OVER TANK | 533.0 |
| INV. @ DIST. BOX | 528.7 |
| INV. @ DIST. BOX | 527.4 |
| GROUND @ BOX | 531.4 |

BASEMENT DOCS. NO. GRAVITY SEWER

- TYPE: BRILEY (CAR)
- WALKOUT BASEMENT
- ADD. 1' TO HEIGHT OF BASEMENT
- EXPANDED FAMILY ROOM
- FR. TO BEDROOM
- CONSERVATORY EUL. ADD.
- PL. ROOM ABOVE AN. EUL. ADD.
- NAP. TO SLEEPROOM ADD.

- OPTION No. 017
- OPTION No. 070
- OPTION No. 023
- OPTION No. 028
- OPTION No. 039
- OPTION No. 520
- OPTION No. 529

PLOT PLAN
 LOT #39
EDGEWOOD FARM
 LIBER 10677, FOLIO 0461
 PLAT No. 19268
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

ESE 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: 08/26/13


SCALE: 1" = 50'

FILE: PP Lot 39 Henley

Sheet No. 1110

IOR# 1498

DRAWN: JLN

 THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

| | |
|--------------------|-------|
| INVERT @ HOUSE | 518.3 |
| GROUND @ HOUSE | 522.4 |
| INVERT IN @ TANK | 517.9 |
| INVERT OUT @ TANK | 517.6 |
| TOP OF TANK | 518.6 |
| GROUND @ TANK | 521.5 |
| INVERT IN AT D-BOX | 517.3 |
| INVERT OUT @ D-BOX | 517.0 |
| GROUND @ D-BOX | 521.0 |

ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR EDGEWOOD FARMS, PLAT No. 19268. REFER TO THIS PLAT FOR ANY RESTRICTIONS AND/OR PROVISIONS.

EXISTING TOPOGRAPHY IS TAKEN FROM f 06-108 PLANS
DRIVEWAY CULVERT IS NOT REQUIRED FOR THIS LOT

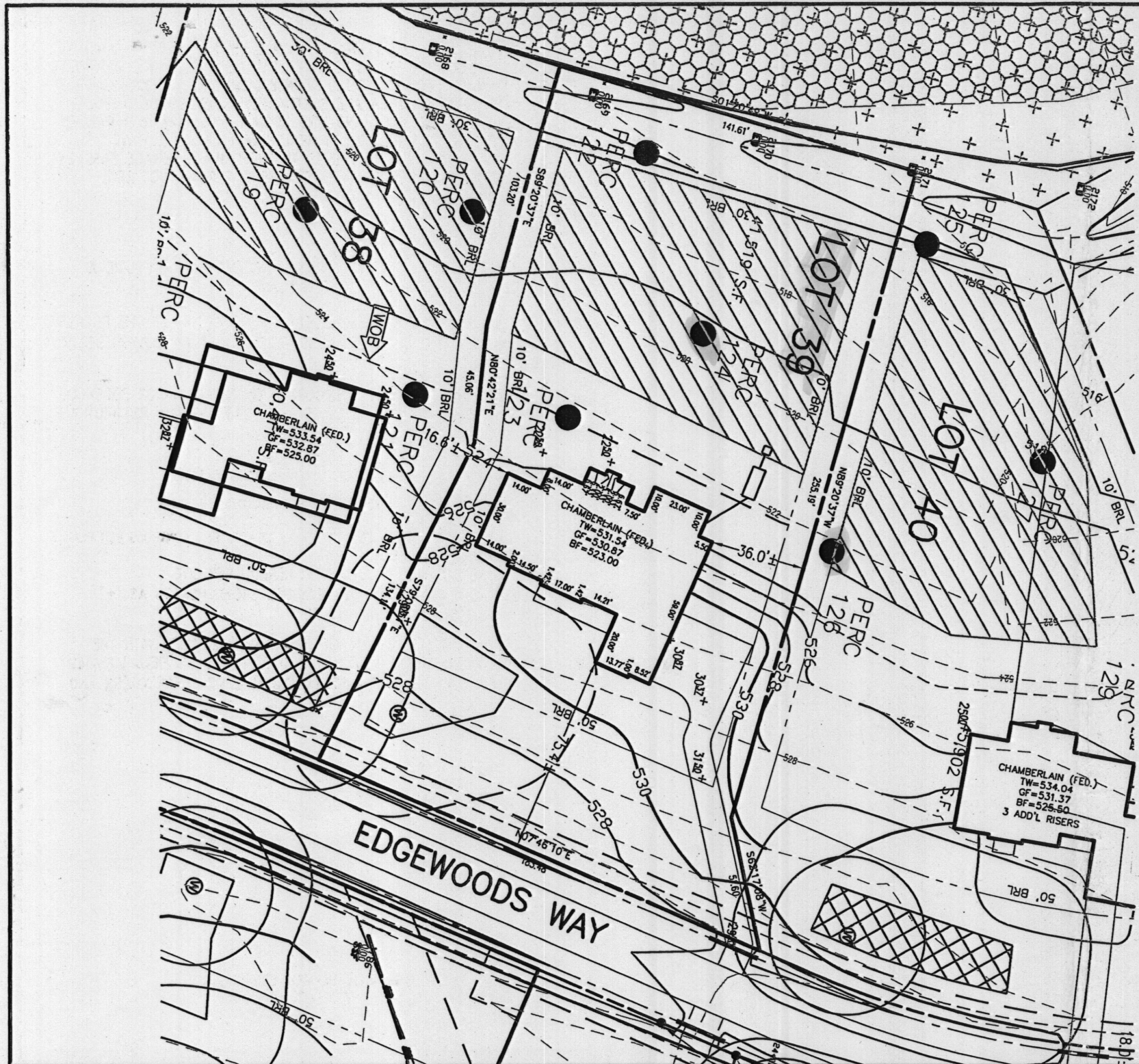
SWM FOR THIS LOT IS MANAGED PER PLAN F 06-108 E&S CONTROLS PER PLAN F 06-108
BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO 95-0793 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC.- PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.

Approved Septic System Plan
Howard County Health Department
Dana Bernard 4-23-13
Signature Date
B13001213

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

COUNTY HEALTH OFFICER _____ DATE _____



ADDRESS: 14561 EDGEWOODS WAY
GLENELG, MD 21737

TYPE: HENLEY (TRADITIONAL)-
WALK OUT BASEMENT
SOLARIUM
BEDROOM ABOVE ELITE
GUEST ELITE SUITE
ADD 1' TO BASEMENT

OPTION No. 017
OPTION No. 501
OPTION No. 521
OPTION No. 035
OPTION No. 070

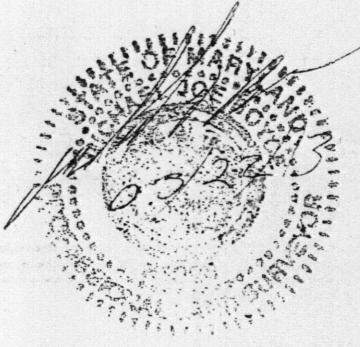
PLOT PLAN
LOT #39
EDGEWOOD FARM
LIBER 10677, FOLIO 461
PLAT No. 19268
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



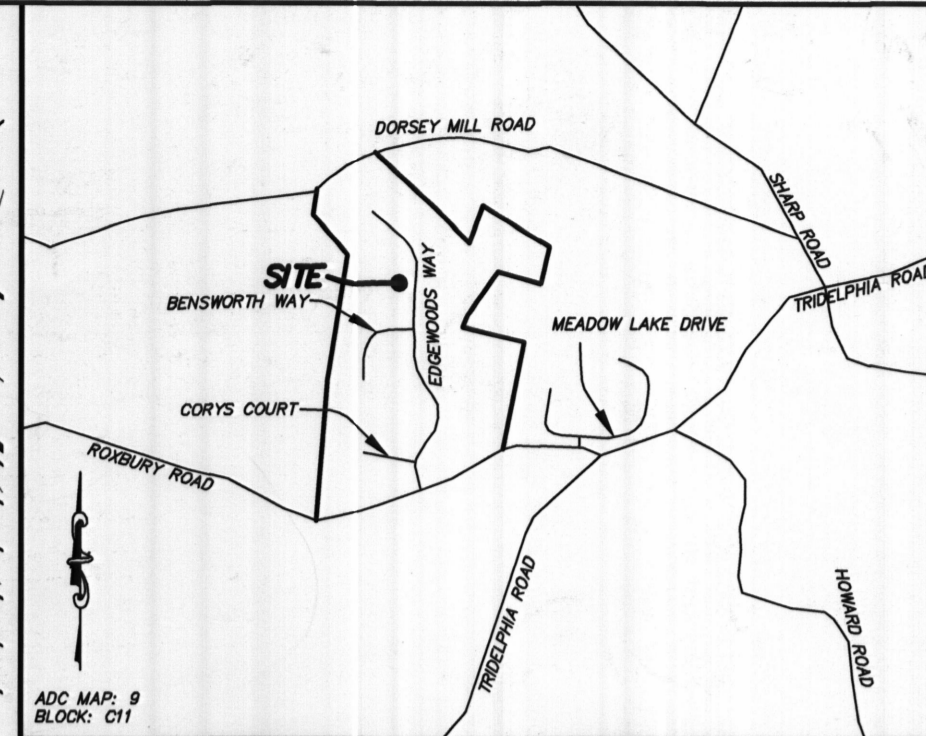
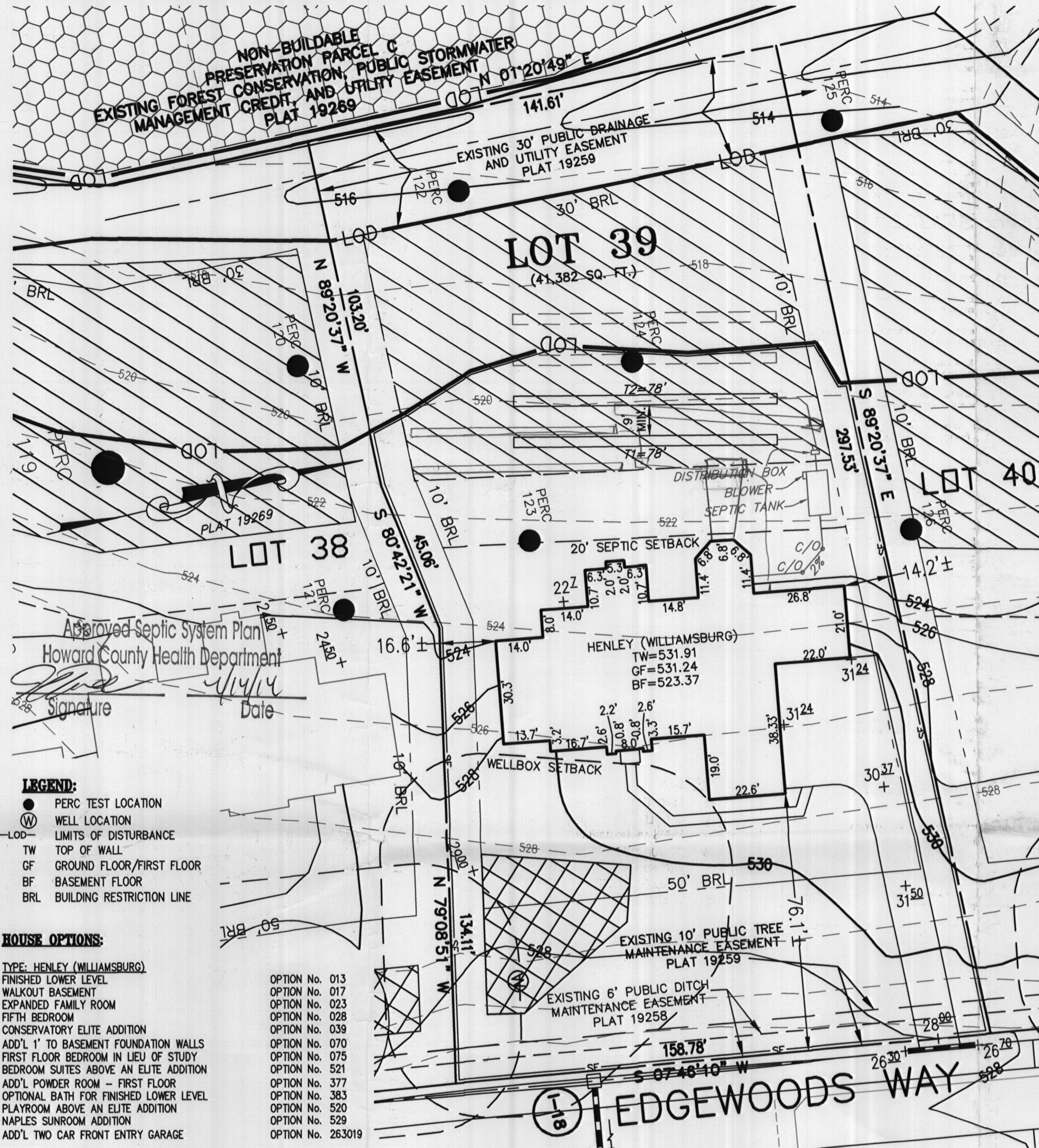
**Land Planning
Engineering
Land Surveying**

ESE Consultants Inc.
1764 Columbia Gateway Dr.
Suite 203.
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

DATE: 03/22/13 SCALE: 1"=50' FILE: LOT 39 PP
CHK'D: MJB JOB#: 1498 DRAWN: MJB

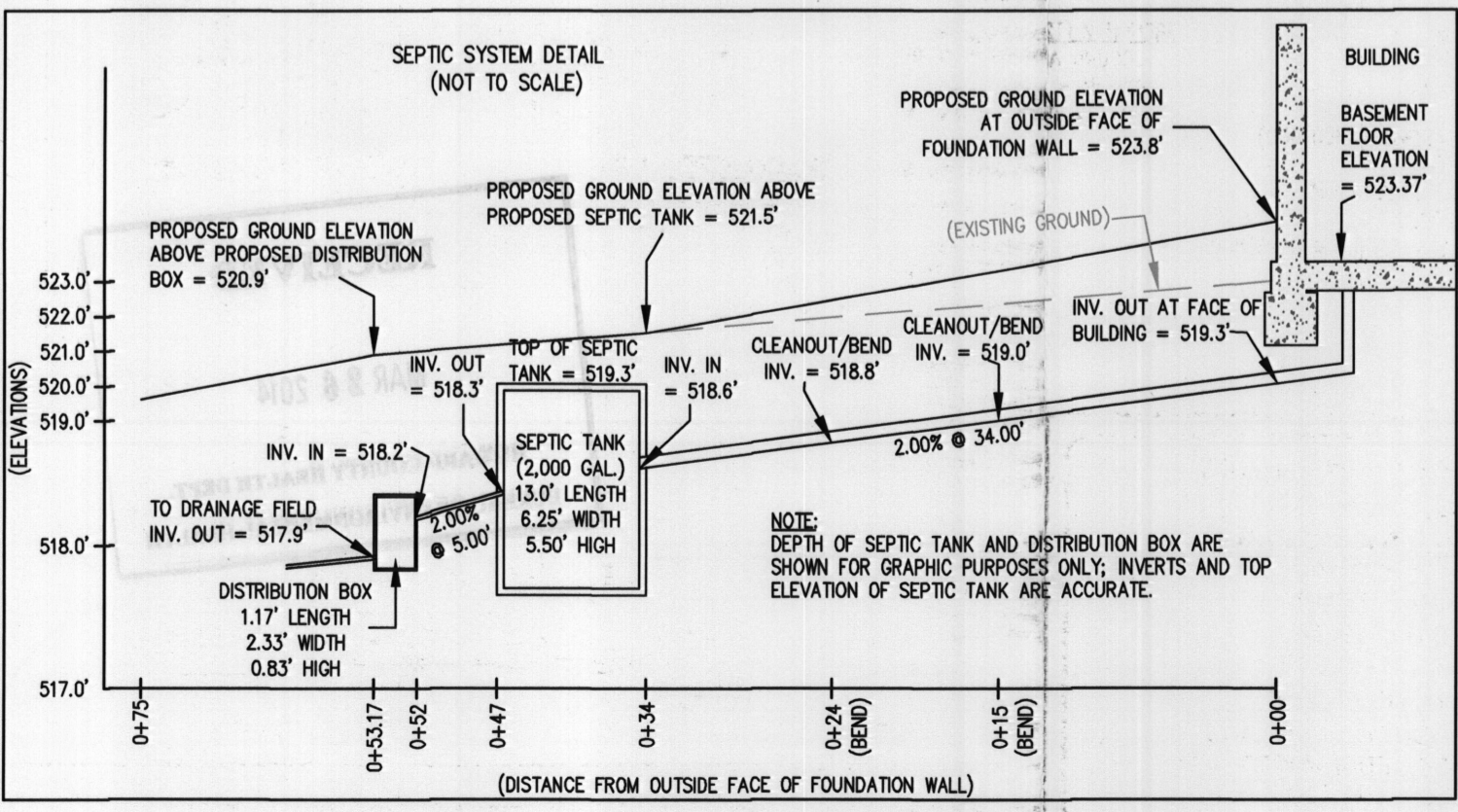
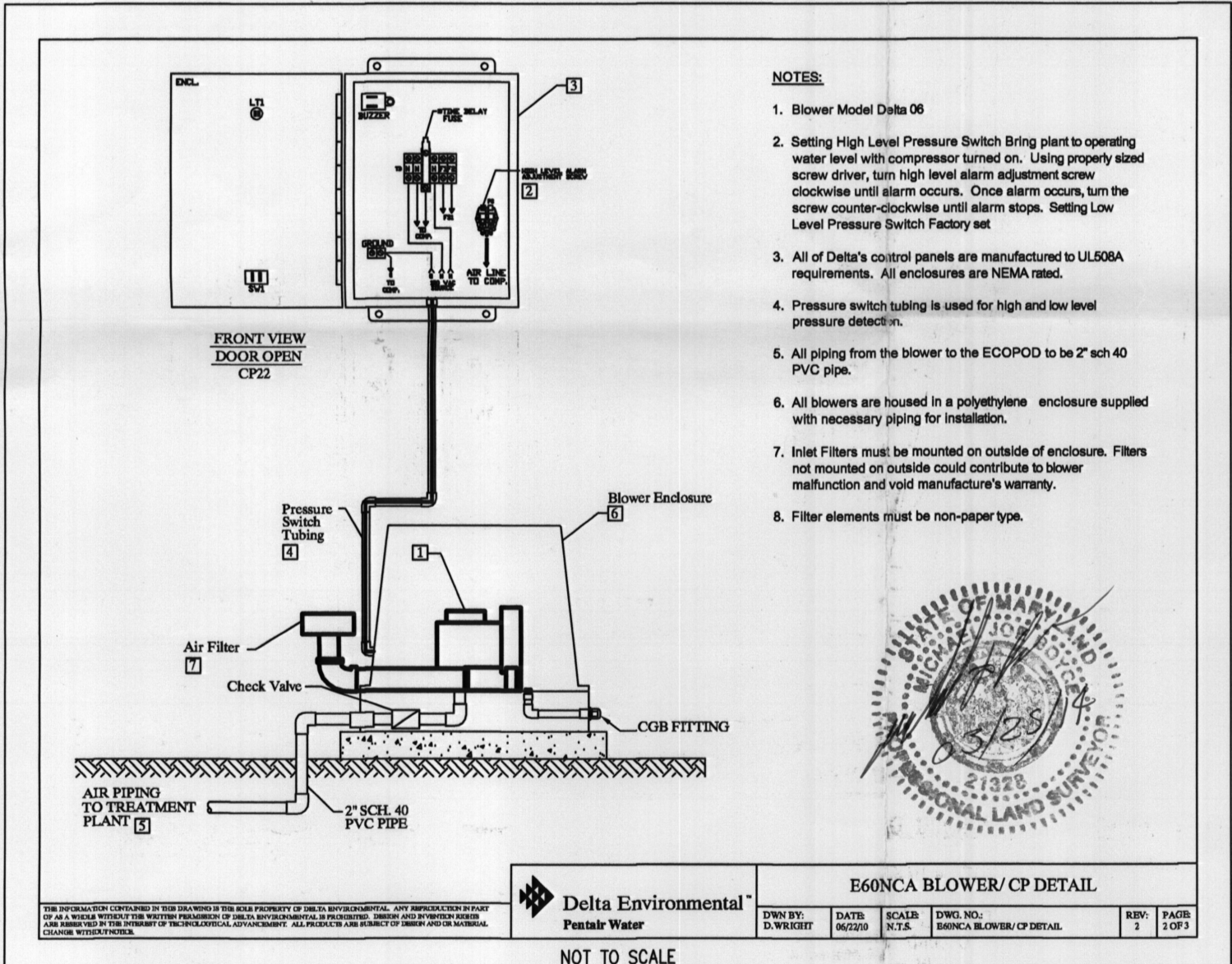
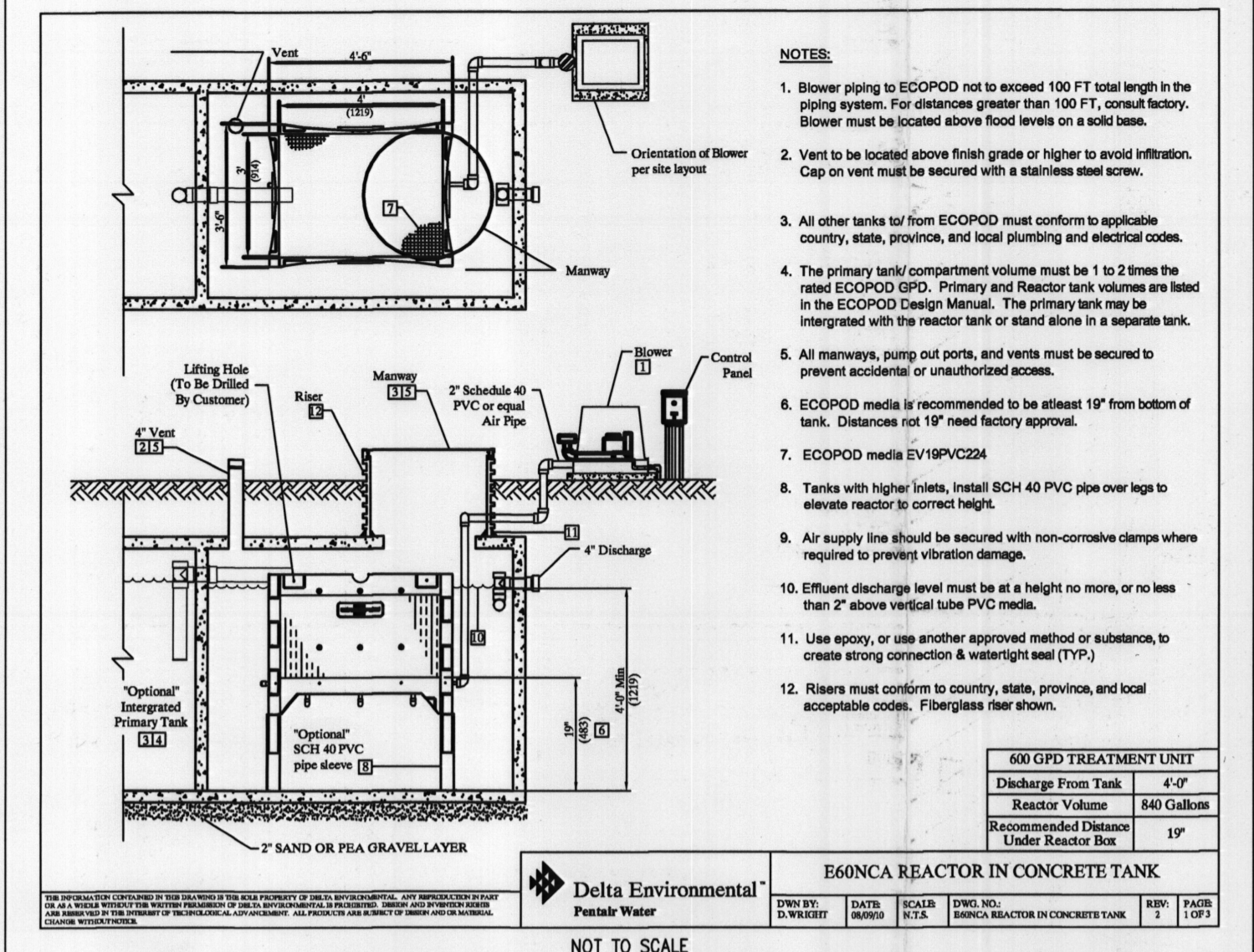


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/15.



VICINITY MAP
1" = 2000'

- GENERAL NOTES:**
1. THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
 2. PLAT REFERENCE: PLAT No. 19269.
 3. THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 4/27/11.
 4. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO TAKEOUT FOR CONSTRUCTION, IT SHALL BE THE OWNER/BUILDERS RESPONSIBILITY TO PROVIDE ESE CONSULTANTS INC. WITH THE MOST RECENT SET OF HOUSE PLANS.
 5. THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410-313-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 6. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 7. TOTAL LIMIT OF DISTURBANCE: 29,885 SQ. FT. / 0.69 AC.±
 8. STORMWATER MANAGEMENT PER PLAN F-07-054.
 9. ANY DAMAGE TO PUBLIC "RIGHT-OF-WAYS" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
 10. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (ESE) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
 11. THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND DIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
 12. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 13. THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS UNTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 14. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 15. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISD PERCOLATION CERTIFICATION PLAN.
 16. UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT CAPACITY.
 17. THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-07-054.
 18. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP 14-031.
 19. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0793 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.
 20. BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
 21. CULVERT FOR DRIVEWAY PER F-07-054.



- HOUSE OPTIONS:**
- TYPE: HENLEY (WILLIAMSBURG)
- OPTION No. 013 FINISHED LOWER LEVEL
 - OPTION No. 017 WALKOUT BASEMENT
 - OPTION No. 023 EXPANDED FAMILY ROOM
 - OPTION No. 028 FIFTH BEDROOM
 - OPTION No. 039 CONSERVATORY ELITE ADDITION
 - OPTION No. 070 ADD'L 1' TO BASEMENT FOUNDATION WALLS
 - OPTION No. 075 FIRST FLOOR BEDROOM IN LIEU OF STUDY
 - OPTION No. 521 BEDROOM SUITES ABOVE AN ELITE ADDITION
 - OPTION No. 377 ADD'L POWDER ROOM - FIRST FLOOR
 - OPTION No. 383 OPTIONAL BATH FOR FINISHED LOWER LEVEL
 - OPTION No. 520 PLAYROOM ABOVE AN ELITE ADDITION
 - OPTION No. 529 NAPLES SUNROOM ADDITION
 - OPTION No. 263019 ADD'L TWO CAR FRONT ENTRY GARAGE
- SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) 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 COVER.
 3. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
 4. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
 5. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
 6. 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.
 7. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 8. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY.
 9. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

- SEWAGE DISPOSAL SYSTEM DATA (4 BDRM):**
- PROPOSED INVERT AT FOUNDATION WALL: 519.3'
1. E60 ECOPOD SYSTEM
EX. GRADE OVER TANK: 521.5'
PROPOSED GRADE OVER TANK: 521.5'
INVERT IN: 518.6' INVERT OUT: 518.3'
 2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 520.9'
PROPOSED GRADE OVER TANK: 520.9'
INVERT IN: 518.2' INVERT OUT: 517.9'
 3. TRENCH DESIGN (4 BDRM x 150 GPD/BDRM = 600 GPD)
600 GPD x 0.8 APP. RATE = 750 SF
USE 3' WIDE TRENCH WITH 48" GRAVEL BELOW PIPE
9' MIN. SPACING BETWEEN TRENCH EDGES
750 SF x 3' WIDTH = 250 LF x 0.62 = 155 LF MIN. TRENCH
USE 2 78' LONG TRENCHES = 156 LF
- TRENCH DATA:**
- BOTTOM MAX. DEPTH (8')
- TRENCH 1 (T1):**
GROUND ABOVE = 520.7'
INV. IN = 516.7'
BOTTOM TRENCH = 512.7'
- TRENCH 2 (T2):**
GROUND ABOVE = 520.0'
INV. IN = 516.0'
BOTTOM TRENCH = 512.0'

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

DIRECTOR _____ DATE _____

PROFESSIONAL ENGINEER _____ DATE _____

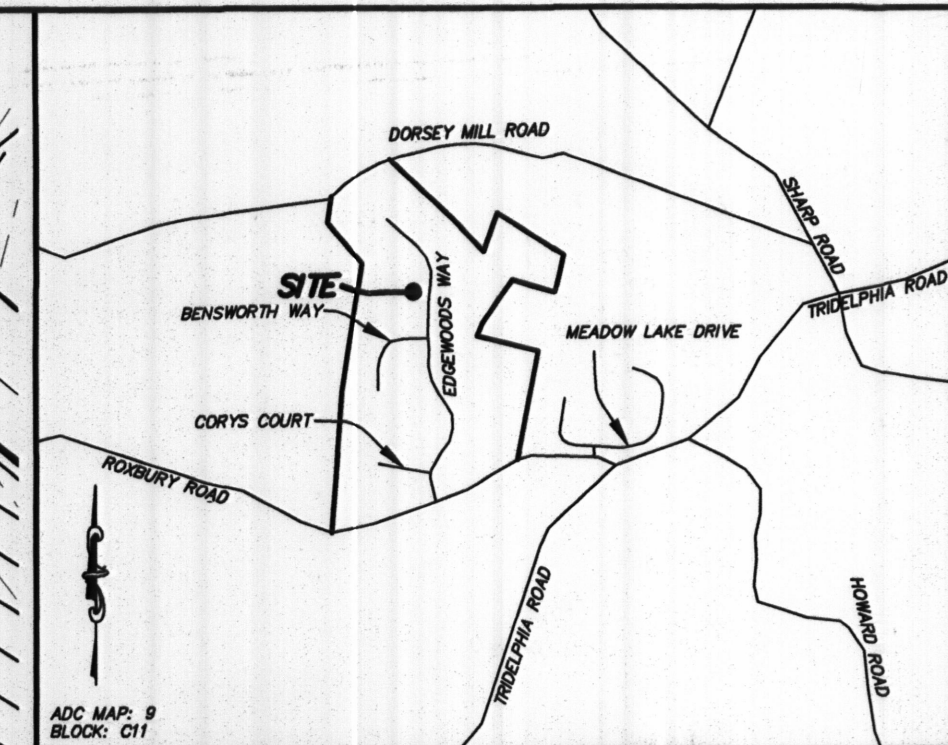
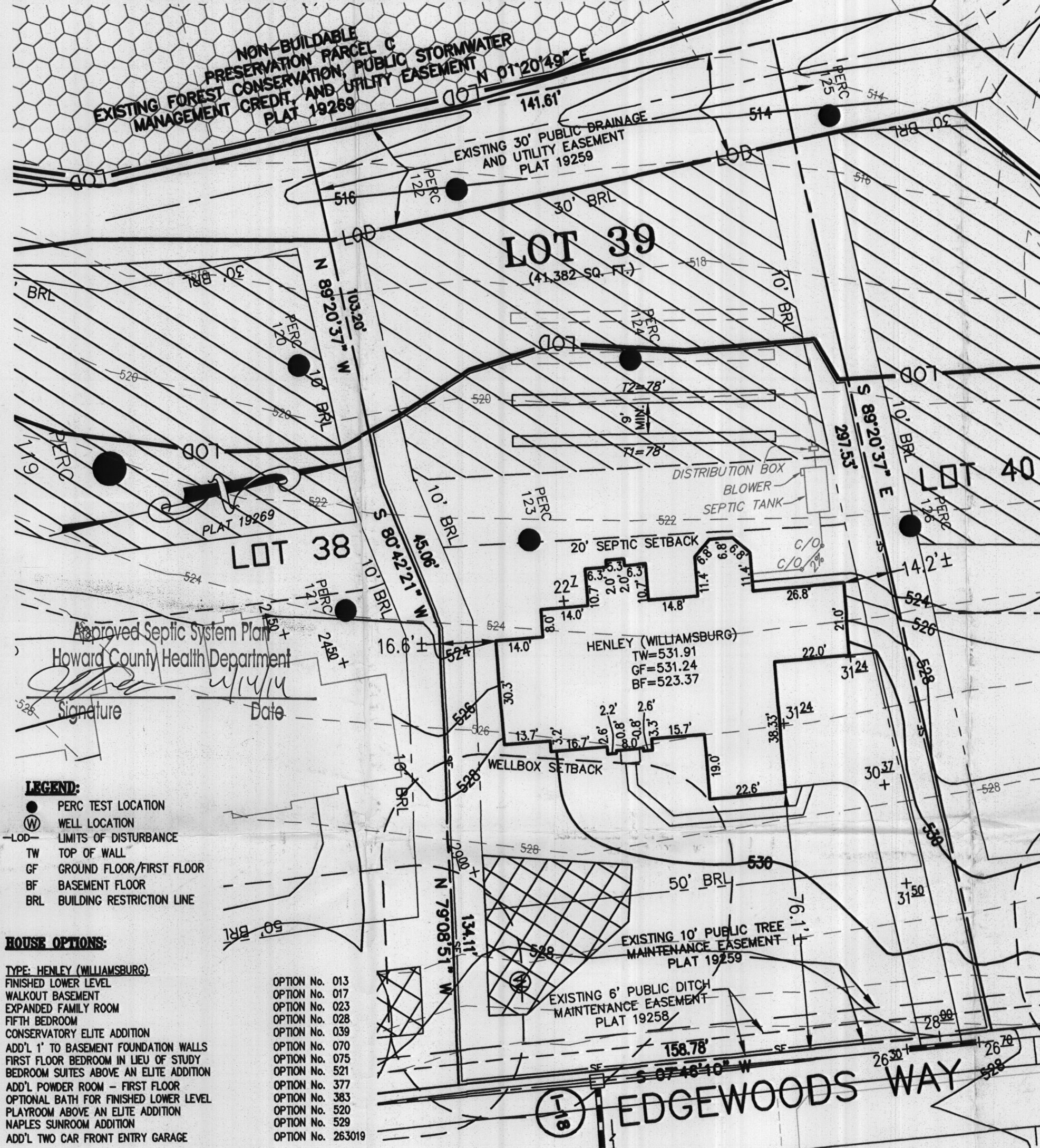
PLOT PLAN FOR BAT INSTALLATION
LOT 39
EDGEWOOD FARM
LIBER 10677, FOLIO 461
PLAT No. 19269
TAX No. 04-372670
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
ADDRESS: 14561 EDGEWOODS WAY
GLENELG, MARYLAND

ESE Land Planning
Engineering
Land Surveying

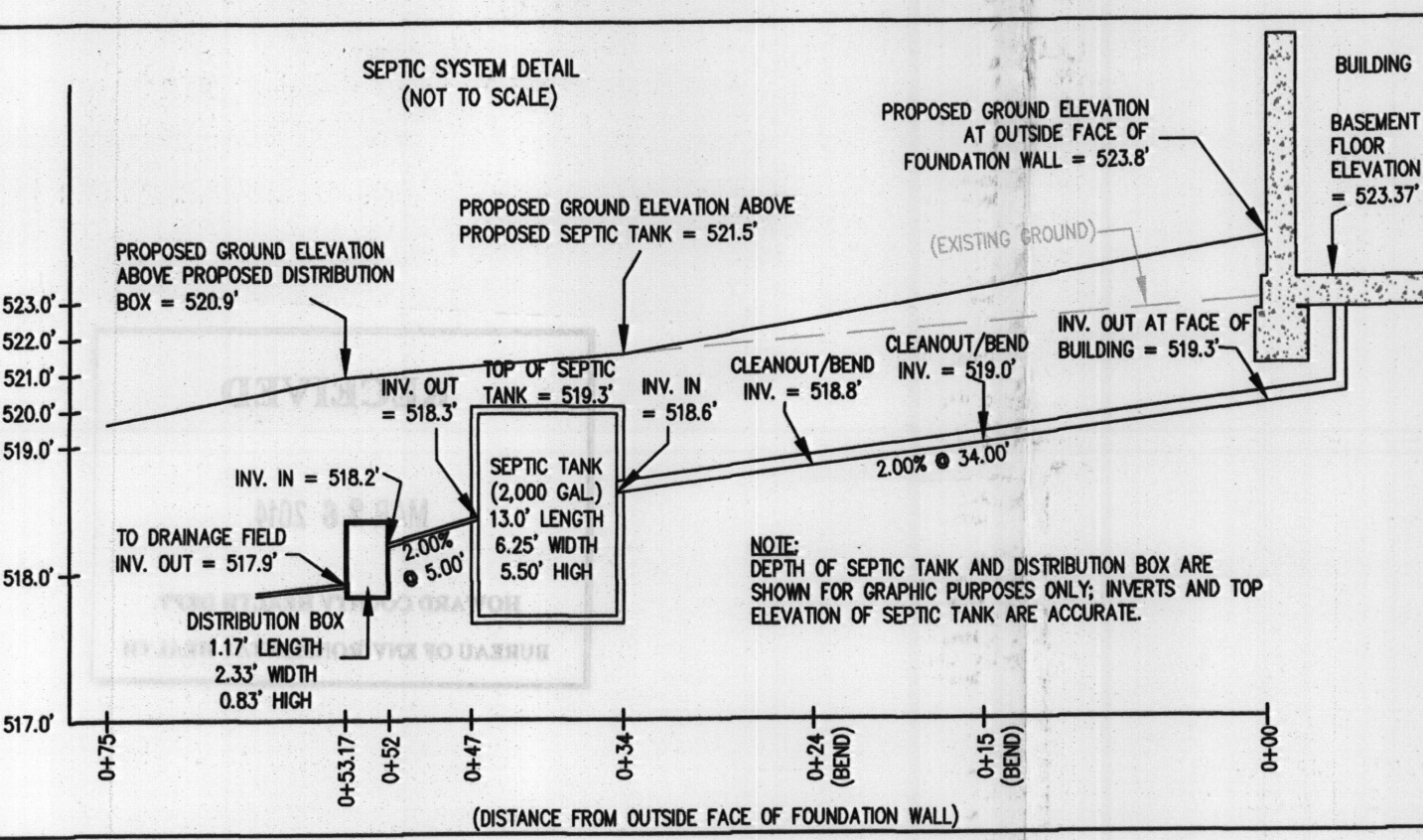
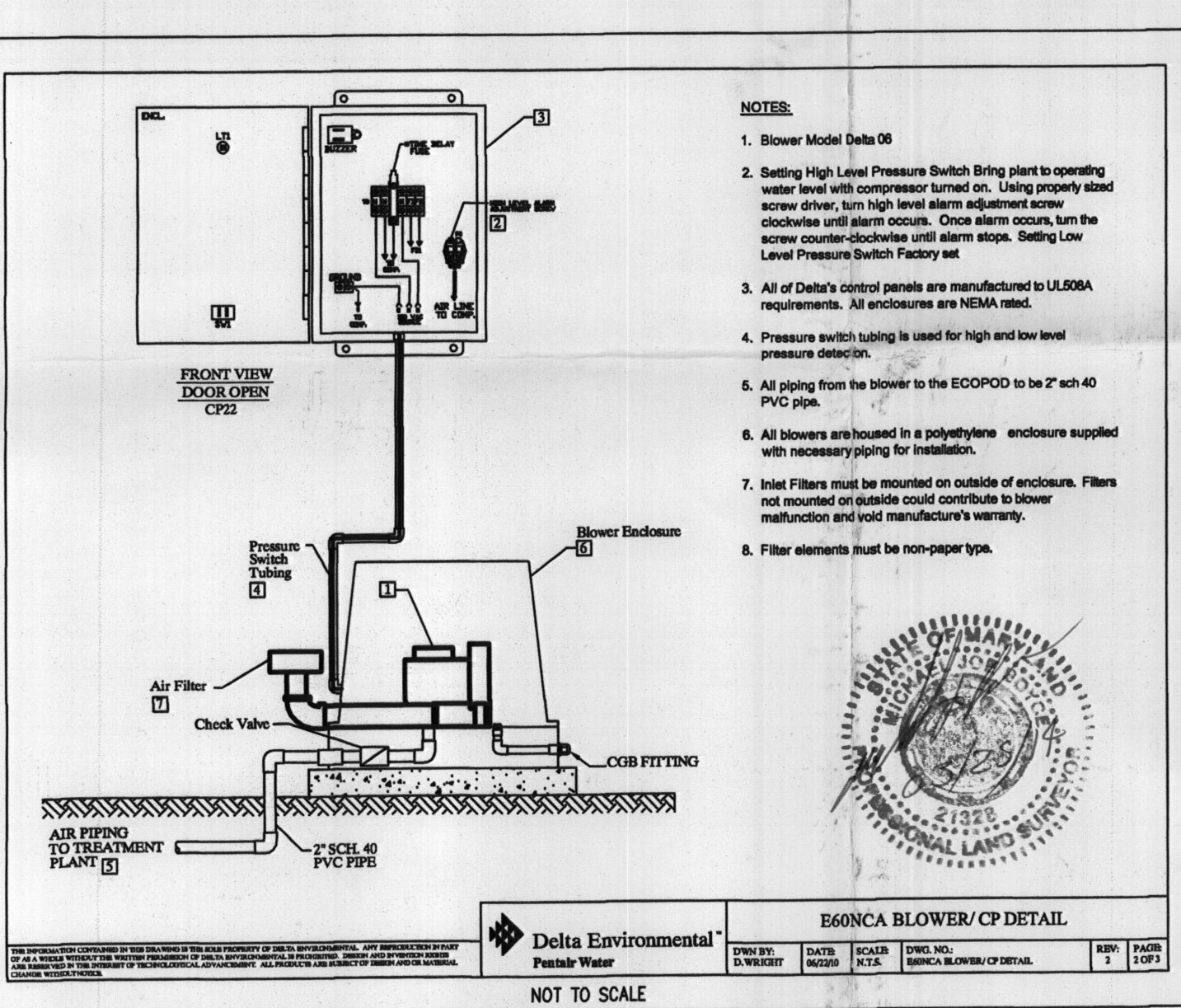
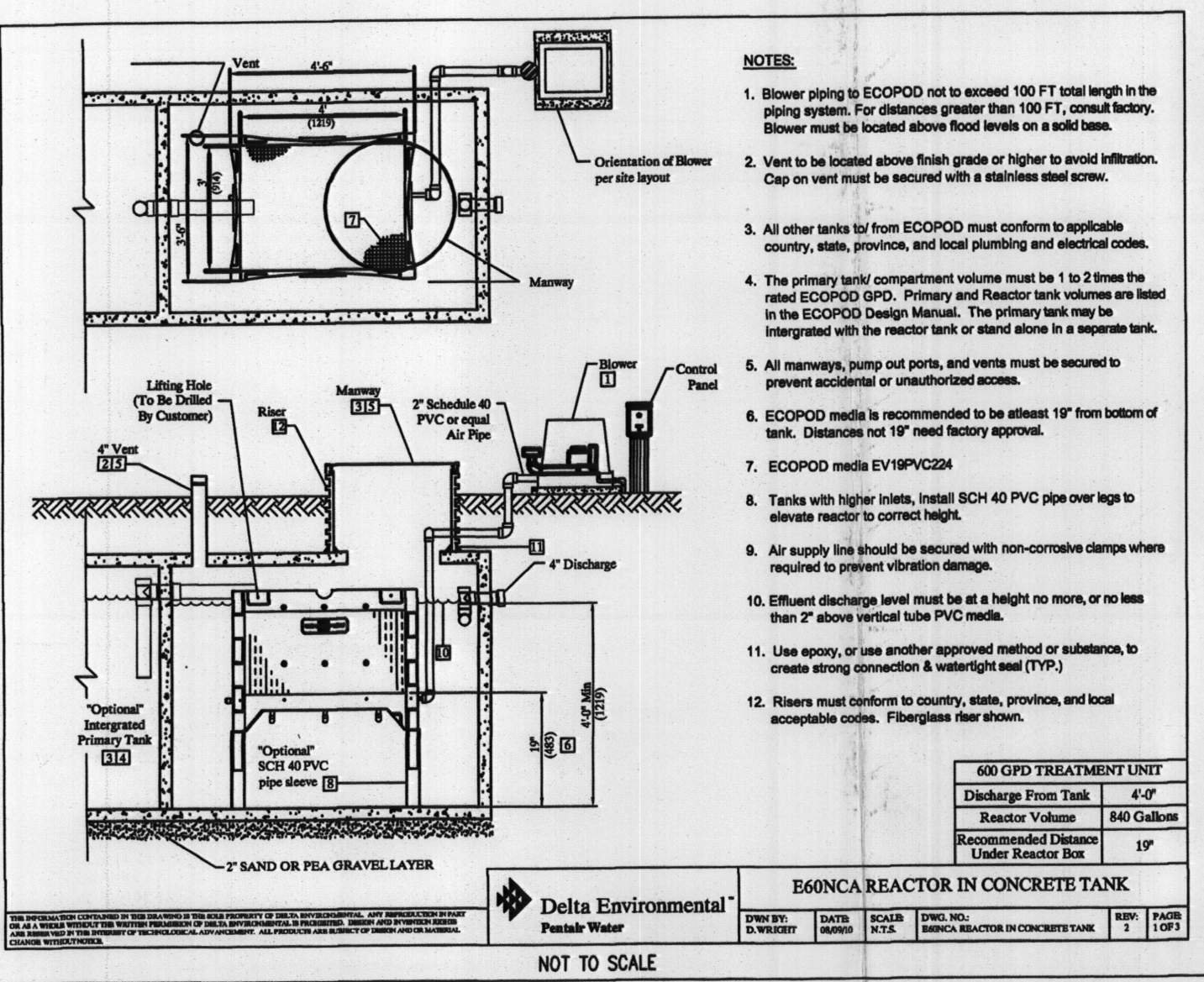
ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

DATE: 03/20/14 SCALE: 1"=30' FILE: PP LOT 39
CHK'D: M.J.B. JOB NO: 1498 DRAWN: R.C.K.

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 1/8/15.



- GENERAL NOTES:**
1" = 2000'
- THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
 - PLAT REFERENCE: PLAT No. 19269.
 - THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 4/27/11.
 - SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO STAKEOUT FOR CONSTRUCTION, IT SHALL BE THE OWNER/BUILDERS RESPONSIBILITY TO PROVIDE ESE CONSULTANTS INC. WITH THE MOST RECENT SET OF HOUSE PLANS.
 - THE CONTRACTOR OR DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410-313-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 - TOTAL LIMIT OF DISTURBANCE: 29,885 SQ. FT. / 0.69 AC.±
 - STORMWATER MANAGEMENT PER PLAN F-07-054.
 - ANY DAMAGE TO PUBLIC "RIGHT-OF-WAYS" OR PAVED PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
 - DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER (ESE) MAY CAUSE THE WORK TO BE UNACCEPTABLE.
 - THE DIMENSIONED DISTANCES SHALL GOVERN IF SCALED AND DIMENSIONED DISTANCES ON THIS PLAN ARE FOUND TO BE IN DISAGREEMENT.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 - EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
 - THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-07-054.
 - A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP 14-031.
 - THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HD-95-0793 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - 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.
 - CULVERT FOR DRIVEWAY PER F-07-054.



HOUSE OPTIONS:

- TYPE: HENLEY (WILLIAMSBURG)
- FINISHED LOWER LEVEL
 - WALKOUT BASEMENT
 - EXPANDED FAMILY ROOM
 - FIFTH BEDROOM
 - CONSERVATORY ELITE ADDITION
 - ADD'L 1' TO BASEMENT FOUNDATION WALLS
 - FIRST FLOOR BEDROOM IN LIEU OF STUDY
 - BEDROOM SUITES ABOVE AN ELITE ADDITION
 - ADD'L POWDER ROOM - FIRST FLOOR
 - OPTIONAL BATH FOR FINISHED LOWER LEVEL
 - PLAYROOM ABOVE AN ELITE ADDITION
 - NAPLES SUNROOM ADDITION
 - ADD'L TWO CAR FRONT ENTRY GARAGE

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

DIRECTOR _____ DATE _____

PROFESSIONAL ENGINEER _____ DATE _____

SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) 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 3 FEET COVER.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
- 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 THE LAND RECORDS OF HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

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SEWAGE DISPOSAL SYSTEM DATA (4 BDRM):

- E60 ECOPOD SYSTEM
EX. GRADE OVER TANK: 521.5'
PROPOSED GRADE OVER TANK: 521.5'
INVERT IN: 518.6' INVERT OUT: 518.3'
- DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 520.9'
PROPOSED GRADE OVER TANK: 520.9'
INVERT IN: 518.2' INVERT OUT: 517.9'
- TRENCH DESIGN (4 BDRM x 150 GPD/BDRM = 600 GPD)
600 GPD + 0.8 APP. RATE = 750 SF
USE 3" WIDE TRENCH WITH 48" GRAVEL BELOW PIPE
9" MIN. SPACING BETWEEN TRENCH EDGES
750 SF + 3" WIDTH = 250 LF x 0.62 = 155 LF MIN. TRENCH
USE 2 78" LONG TRENCHES = 156 LF

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