

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: 7/18/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554547

INSTALLATION APPROVAL DATE: 10/14/2014 **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 11203 Independence Way

SUBDIVISION: Homewood Crossing LOT: 44 TAX ID: _____

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: [REDACTED] Hoot BAT UNIT SIZE: 600GPD

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

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. +3900 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>SEE BAT PLAN 279'</u>	INLET DEPTH: <u>SEE BAT PLAN 5'</u>
	TRENCH WIDTH: <u>SEE BAT PLAN 3'</u>	MAXIMUM BOTTOM DEPTH: <u>SEE BAT PLAN 8.5'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>SEE BAT PLAN ~9'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>SEE BAT PLAN 7'</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.
3x93' Trenches

ISSUED BY: Jeff Williams ISSUE DATE: 8/14/14 EXPIRATION DATE: 7/18/15

- 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 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 3' INLET 5' BOTTOM 8.5'

NUMBER OF TRENCHES 3

TOTAL LENGTH 284'

ABSORPTION AREA 852 Sidewall

DISTRIBUTION BOX LEVEL Yes

DISTRIBUTION BOX BAFFLE Elbow

DISTRIBUTION BOX PORT Yes

See As-Built Drawing
On Separate Sheet

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes

MANUFACTURER Mayer Bros

4004 H-600

CAPACITY ~ 2000 GAL

SEAM LOC Top

TANK LID DEPTH 1-2'

BAFFLES Front

BAFFLE FILTER N/A

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

SLOTTED N/A

DATE ON LID Dry

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

ROAD NAME

PRE-CONSTRUCTION:

9/2/2014 Three 93' trenches laid out. Will have to remove tree before bottom trench installation. Set tank near where shown on plan. Cannot locate well. (BB)

INSTALLATION:

9/8/2014 Top trench done. (BB) 9/10/2014 Trenches finished. Dist. box installed. Installed trenches in far part of easement where soil is better. A good part of the easement was wasted by installing equal length trenches. (BB) 9/12/2014 Tank set. Need house connection. Rest of plumbing finished. Need approval documentation from Hoot Dealer. (BB) 10/14/2014 Pump and alarm working, house connection made and BAT unit approved by Mayer Brothers. (BB)

FINAL INSPECTOR

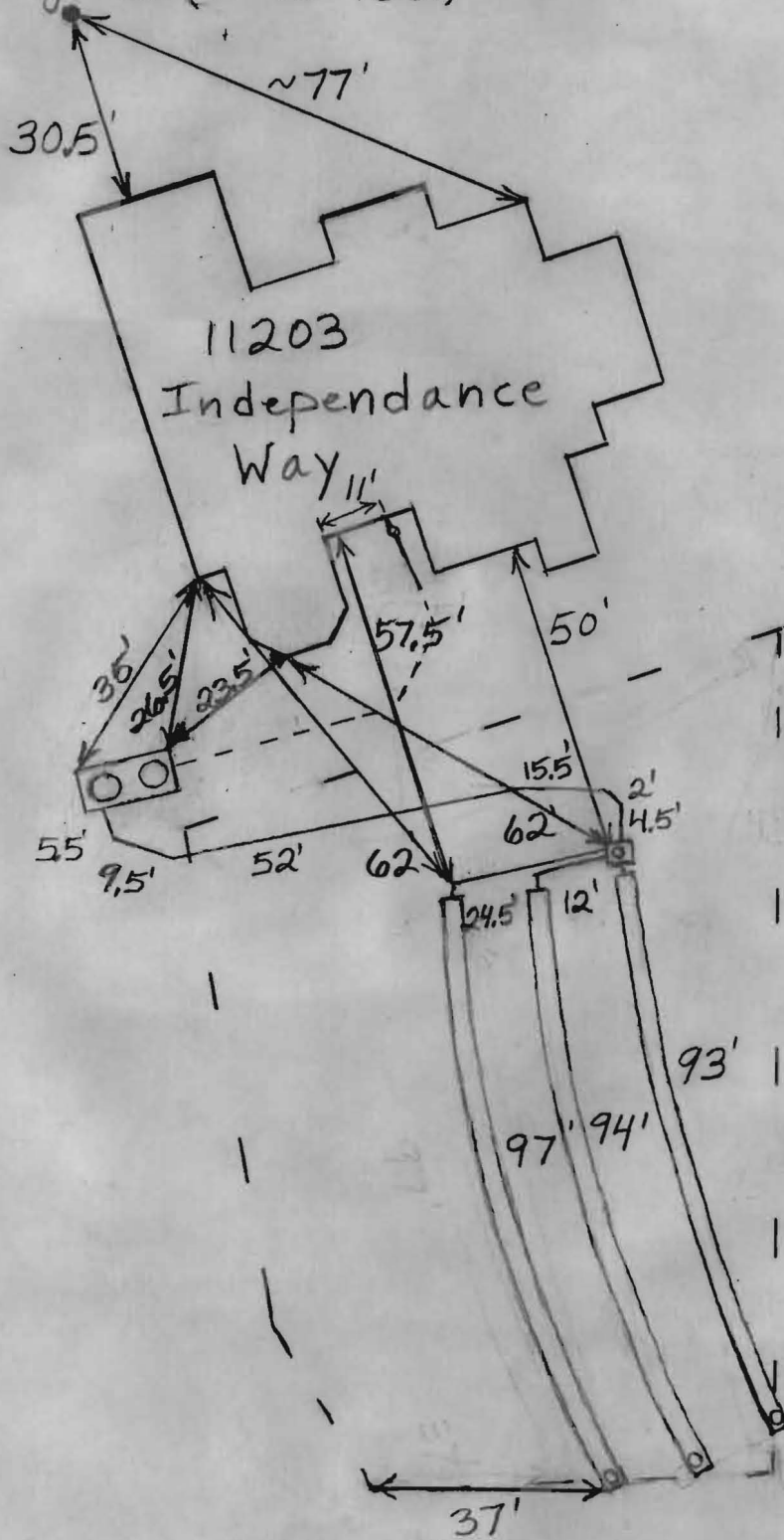
Brian Baker

DATE OF APPROVAL

10/14/2014

HO-95-1229 ?

Irrig. Well (HO-95-1631)



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.

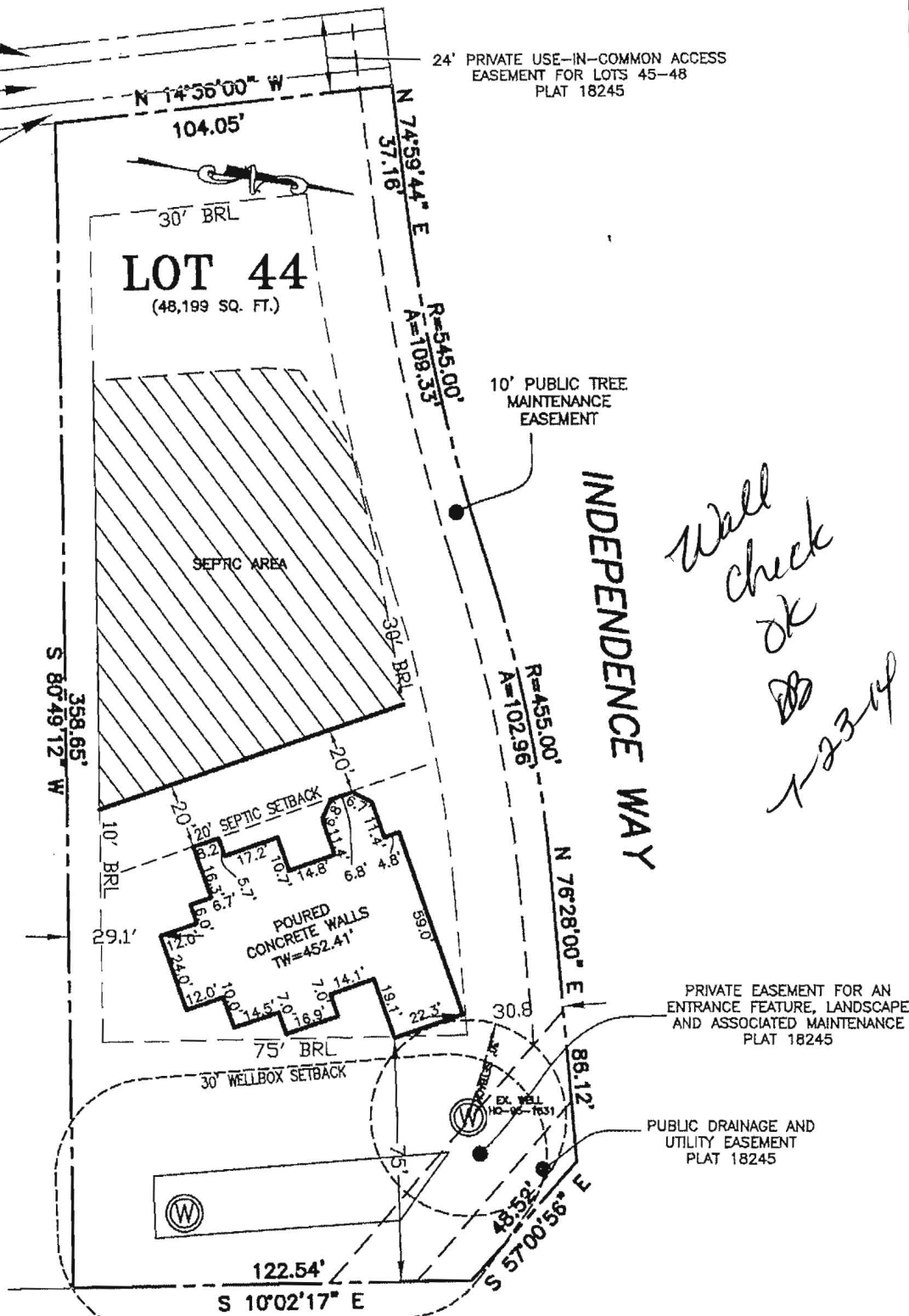
LOT 48
 LOT 47
 LOT 46

LOT 44
 (48,199 SQ. FT.)

LEGEND:

BRL BUILDING RESTRICTION LINE
 T.W. TOP OF WALL
 ELEV. ELEVATION

LOT 45



Wall check OK
BB
7-23-14

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN SETBACK DISTANCES SHOWN HEREON HAVE AN ACCURACY OF ±0.5' FOOT.

HOMWOOD ROAD

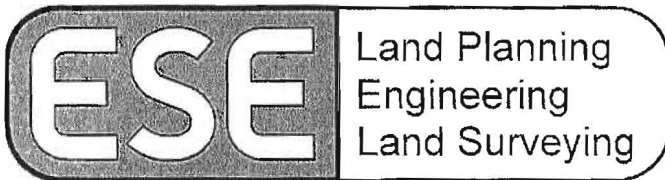
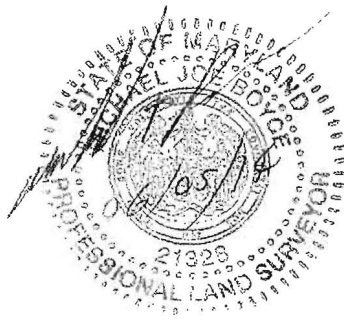
ADDRESS: 11203 INDEPENDENCE WAY
 ELLICOTT CITY, MD 21043

SURVEYOR'S CERTIFICATE

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
 MD. LIC NO. 21328
 DATE 06/03/14

WALLCHECK
 LOT 44
HOMWOOD CROSSING
 LIBER 9808, FOLIO 204
 PLAT NO. 18245
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND



ESE Consultants Inc.
 4101 Ritchie Marlboro Rd.
 Upper Marlboro, MD 20772
 Tel: 301-627-8504
 Fax: 301-627-7985

DATE: 06/03/14 SCALE: 1"=50' FILE: WC LOT 44_rev 1
 CHK'D: M.J.B. JOB NO: 1214 DRAWN: R.C.K.



MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Address of Property: 11203 Independence Way
Columbia, MD. 21042

Date of Final Inspection: 10/14/14

Installer: Fogle's

Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Michael Sample

Name of Inspector

Mayer Bros., Inc.

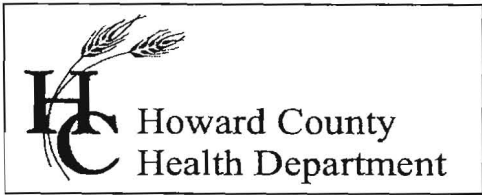
PH: 410-796-1434

FX: 410-796-1438

WBE
NPCA Certified Plant

mayerbro@connext.net
www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors, Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries, Scapewel Window Wells, Custom Precast Products




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Peter L Beilenson, M.D., M.P.H., Health Officer

MEMORANDUM

TO: Teresa Miller
Allen Compton, MWD
Fogles Well & Septic
Faxed to 443-609-4196

FROM: Stuart F. Oster, R.S. 
Groundwater Management Section Supervisor
Well and Septic Program

DATE: August 21, 2009

RE: One year well permit extension (8/23/09 to 8/23/10) for the following
wells in the **Patuxent Chase (Homewood Crossing) Development**

<u>LOT #</u>	<u>WELL TAG #</u>
44	HO-95-1229
67	HO-95-1295
70	HO-95-1238
71	HO-95-1296
73	HO-95-1239
75	HO-95-1240
76	HO-95-1241
78	HO-95-1242
79	HO-95-1243

C: Files

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Thursday, March 13, 2014 11:57 AM
To: 'Michael Boyce'
Subject: RE: Septic data sheets

Here is data for the lots in question. I am working on a new form to provide this data, but for now here are the numbers. You can plug them into the following equations:

#of bedrooms x 150gpd / application rate = square footage absorption area needed. Divide by width of trench used to get linear length of trench needed

Sidewall credit: $(W+2)/(W+1+2D) \times 100$, where W is width of trench and D is depth in feet between effective depth and bottom depth.

Meriwether lot 5: app rate-0.6, effective depth-4', bottom-5.5'

Homewood Xing lot 71: app rate-1.2, eff depth-5', bottom-8'

Edgewood Farm lot 57: app rate-0.8, eff depth-5', bottom-8'

Meriwether lot 24: app rate-1.2, eff depth-4', bottom-6'

Homewood xing lot 77: app rate-1.2, eff depth-4.5', bottom-7'

Homewood xing lot 44: *****This lot has a condition to put the initial septic system in the farthest part of the area from the wells on lots 66 and 67*****

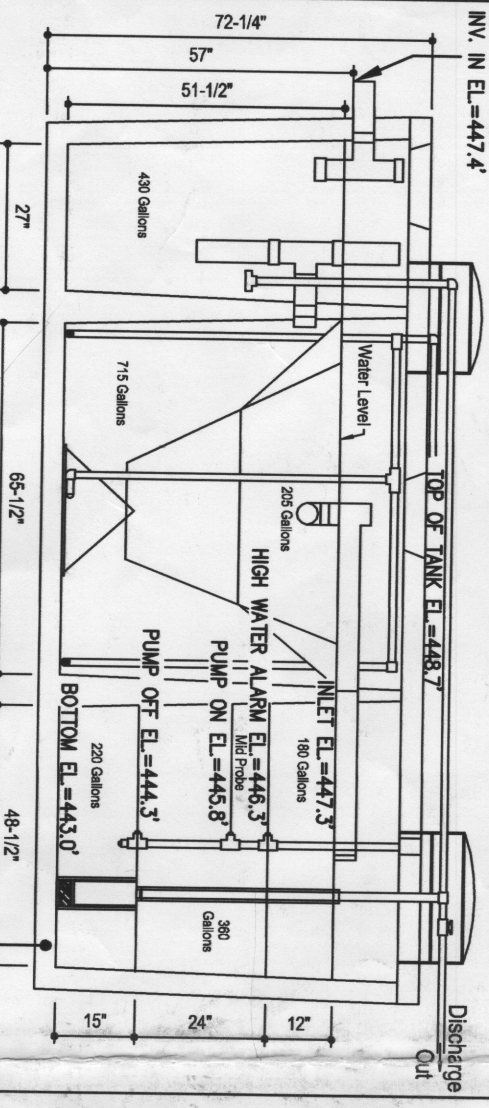
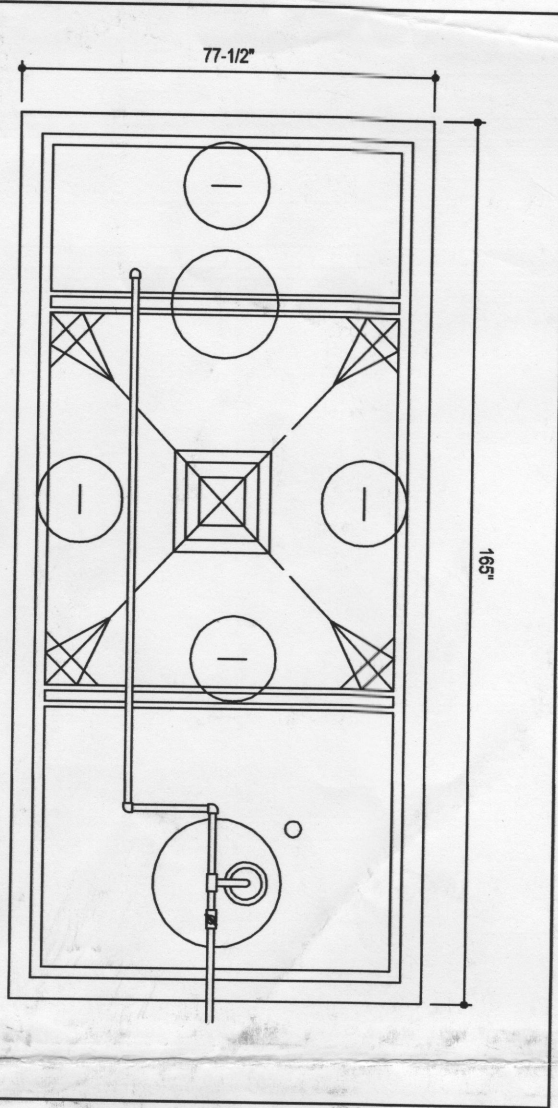
App rate-0.6, eff depth-7', bottom-8'

From: Michael Boyce [mailto:MBOYCE@eseeng.com]
Sent: Thursday, March 13, 2014 9:27 AM
To: Williams, Jeffrey
Subject: Septic data sheets

Reminder to send the data sheets from the list I dropped off on Tuesday.

thanks

Michael Boyce
Regional Director
ESE Consultants, Inc.
7164 Columbia Gateway Dr. | Suite203 | Columbia MD 21046
P : 410-872-3058 | C: 410-365-4175
mboyce@eseeng.com



DESIGN DATA & GENERAL NOTES

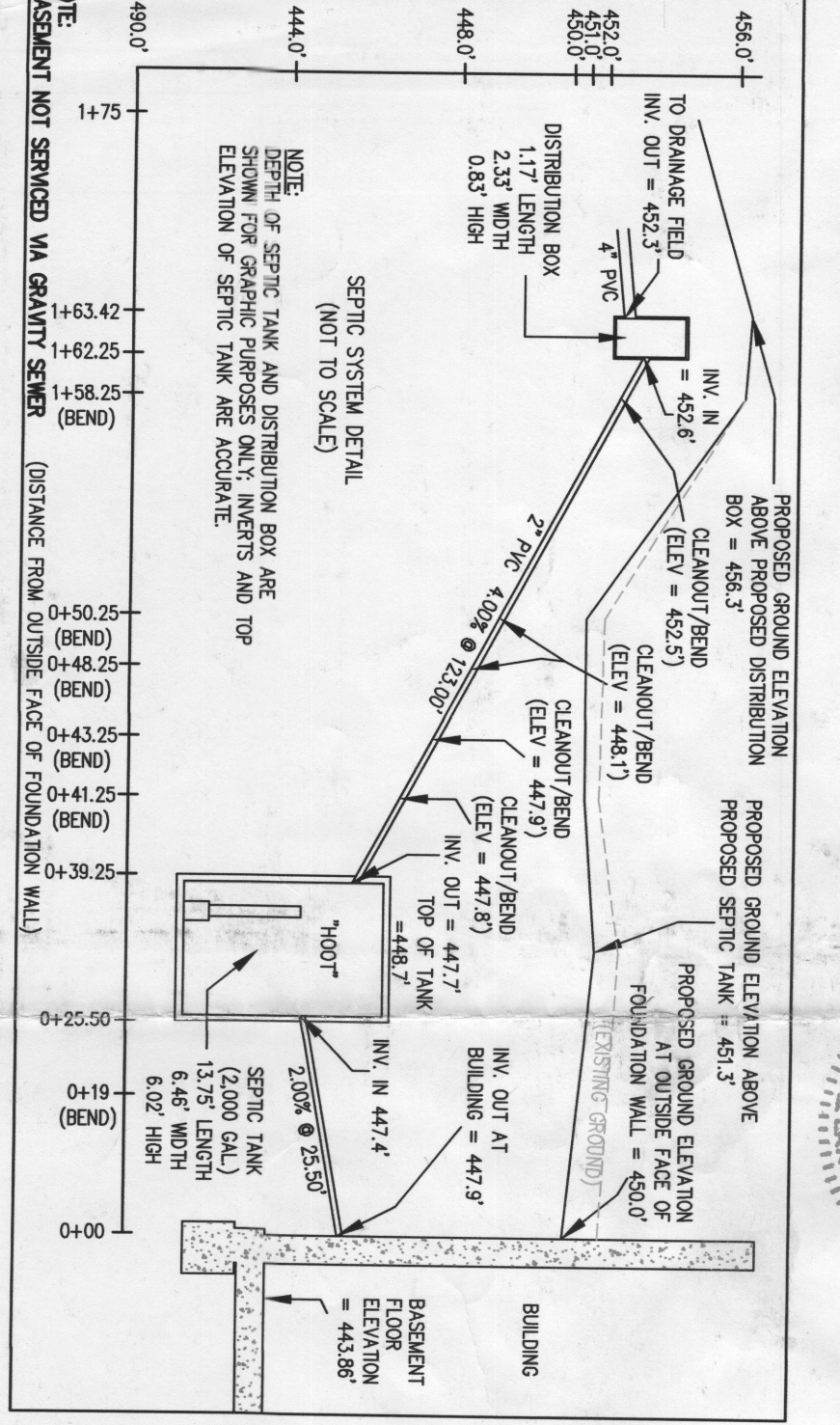
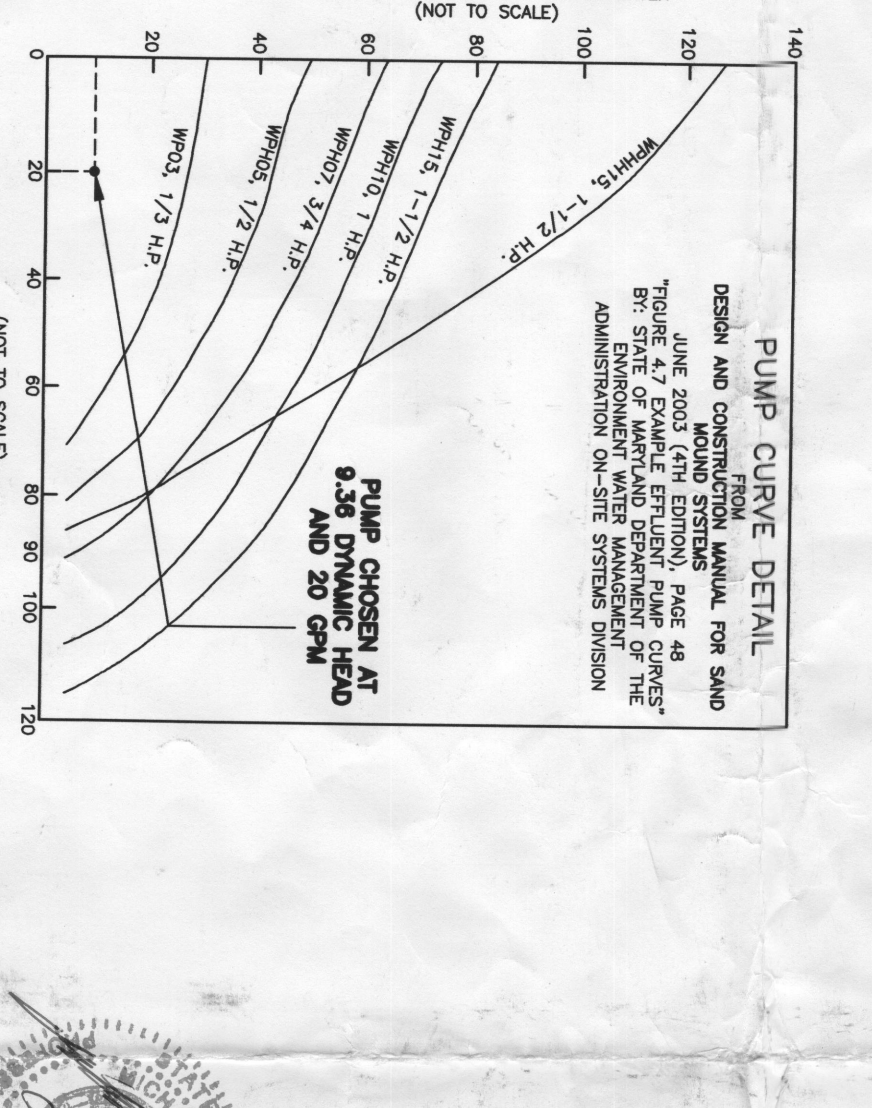
1. Concrete strength: 4000 p.s.i. @ 28 days, Density = 150 p.c.f.

2. All materials to be installed in accordance with the manufacturer's instructions.

3. All materials to be installed in accordance with the manufacturer's instructions.

4. Reinforcing per ASTM A618, Min. 1/2\"/>

Maver Brothers, Inc.
 600 GPD BNR SYSTEM
 H-600 ABNR
 with 750 GALLON PUMP CHAMBER
 No Scale
 March 19, 2009



PUMP CURVE DETAIL

DESIGN AND CONSTRUCTION FROM MANUAL FOR SAND AND GRAVEL SYSTEMS
 JUNE 2003 (4TH EDITION), PAGE 48
 FIGURE 4.7 EXAMPLE EFFICIENT PUMP CURVES
 BY ENVIRONMENTAL WATER MANAGEMENT
 ADMINISTRATION ON-SITE SYSTEMS DIVISION

PUMP CHOSEN AT 9.36 DYNAMIC HEAD AND 20 GPM

TDH CALCULATIONS:
 PER STANDARD HOOT BLASTER ERROR PUMP, THE SPECIFICATIONS SHOW IT PUMPS 20 GPM AT A HEAD OF 100'.
 100 GALLONS (MIN. PRESS) + 20 GPM = 5 MINUTE PUMP-TIME
 PUMP HOOPER CALCULATIONS:
 FLOW X TOTAL DYNAMIC HEAD X SPECIFIC GRAVITY + 3960 X EFFICIENCY
 (SPECIFIC GRAVITY H2O @ 68°F IS 1)
 (USE 0.4 FOR EFFICIENCY, AS THIS IS COMMON FOR EFFLUENT PUMPS)
 20 X 9.36 X 1 + 3960 X 0.4 = 1872 + 1584.0 = 0.12
 USE PUMP CHART - PUMP = WPH03, 1/3 H.P.

HOUSE OPTIONS:

TYPE: HAMPTON (VERSATILES)
 DAYLIGHT BASEMENT
 EXPANDED FAMILY ROOM/GREAT ROOM
 ADDITION 1ST BASEMENT FOUNDATION WALLS
 NAPLES SUNROOM ADDITION
 12' WIDE CONSERVATORY ELITE ADDITION

LEGEND:

● PERC TEST LOCATION
 ○ WELL LOCATION
 - - - LIMITS OF DISTURBANCE
 TW TOP OF WALL
 GF GROUND FLOOR/FIRST FLOOR
 BF BASEMENT FLOOR
 BRL BUILDING RESTRICTION LINE

OPTION No. 018
 OPTION No. 023
 OPTION No. 070
 OPTION No. 529
 OPTION No. 283021

PUMPING SYSTEM DATA:

LENGTH OF FORCE MAIN: 123.00' @ 2" DIA. PIPE
 STATIC HEAD = 8.30'
 FRICTION HEAD = 1.06'
 DYNAMIC HEAD = 9.36'
 FLOW = 20 GPM @ 60 GPM
 DOSE = 100-gallons (MINIMUM) @ 6.29
 PUMP TYPE PER PUMP CURVE CHART = WPH03, 1/3 H.P.

DOSE CALCULATIONS:
 THE MINIMUM DOSE MUST BE NO LESS THAN ONE SIXTH (1/6) THE DESIGN FLOW
 DESIGN FLOW = 600 GPD
 (1/6) X (600 GPD) = 100 GALLONS
 MINIMUM DOSE = 100 GALLONS

FRICTION HEAD CALCULATIONS:
 LENGTH OF PIPE FROM SEPTIC TO DISTRIBUTION BOX = 123.00'
 5 (45') BENDS IN 2" PVC = (ADD 4' PER BEND) = (5 X 4) = 20'
 (LENGTH OF FORCE MAIN + LENGTH OF PIPE FOR FRICTION LOSS PER BENDS)
 123.00' + 20' = 143.00' TOTAL PIPE PER FRICTION LOSS
 (20 GPM OF 2" PVC = 0.74 PER 100' OF PIPE)
 0.74 + 100 = 0.0074 X 43' (LEFT OVER PIPE) = 0.32 (43' OF PIPE PROXIMATED)
 FRICTION HEAD = 1.06'

DYNAMIC HEAD CALCULATIONS:
 INV. IN @ DISTRIBUTION BOX = 452.6'
 INV. @ TANK PUMP OFF FLOAT = 444.3'
 (INV. IN AT DISTRIBUTION BOX (-) ELEV. OF PUMP OFF SWITCH)
 STATIC HEAD = 8.30'
 FRICTION HEAD LOSS IN 2" DIA. PIPE = 1.06'
 (STATIC HEAD + FRICTION HEAD)
 TOTAL DYNAMIC HEAD = 9.36'

SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) NOTES:

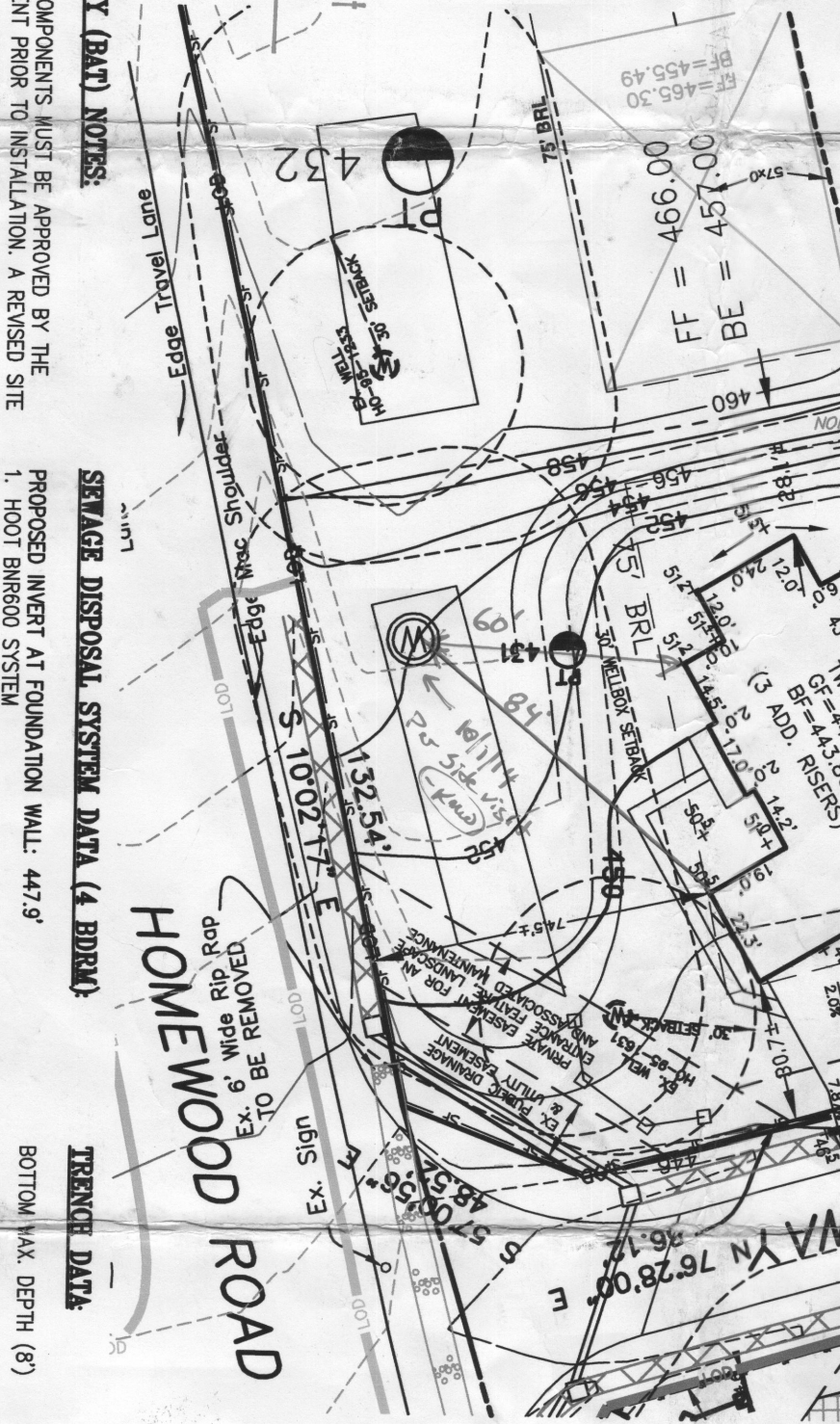
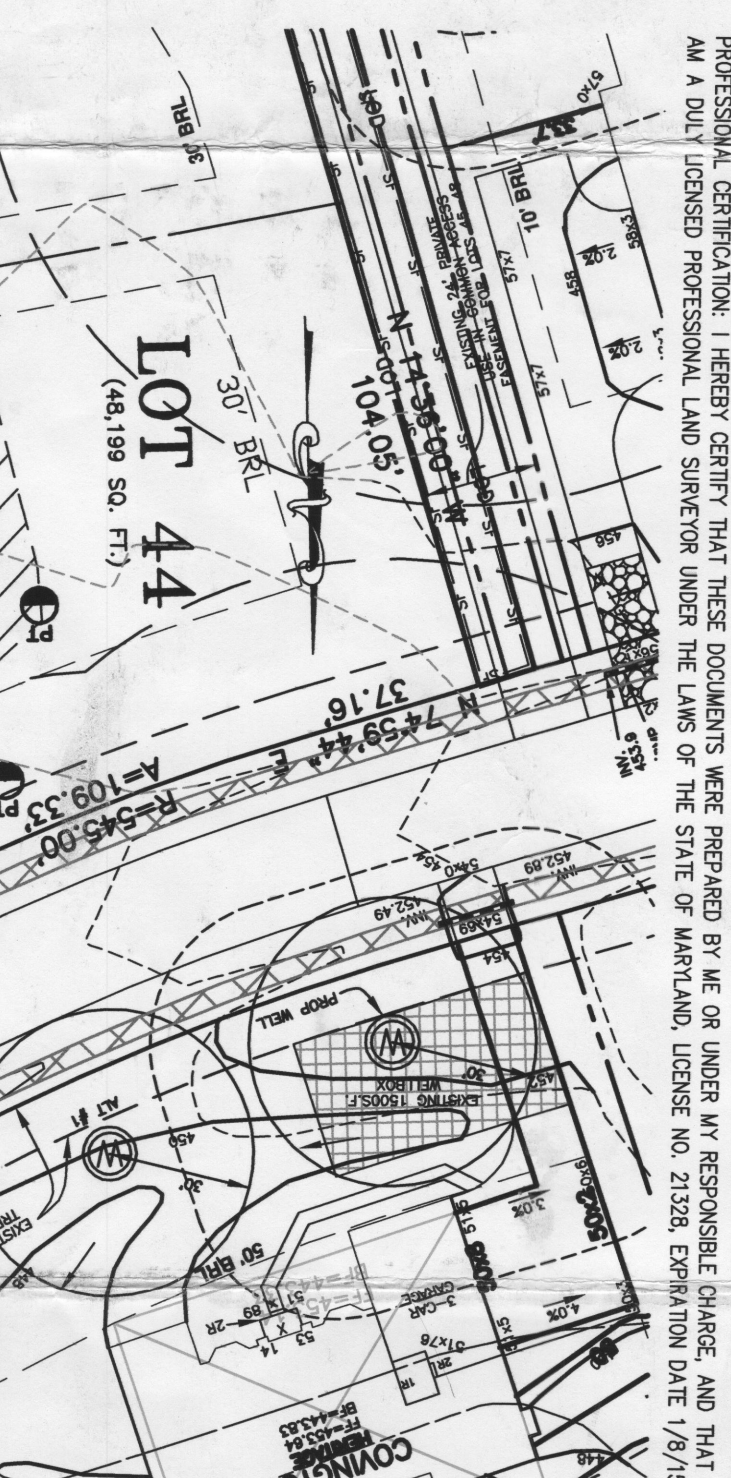
1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET COVER.
3. THE BLOWER MAY NOT BE 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.

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DIRECTOR

PROFESSIONAL ENGINEER



SEPTIC DISPOSAL SYSTEM DATA (4 BDRM)

PROPOSED INVERT AT FOUNDATION WALL: 447.9'

1. HOOT SHROUD SYSTEM EX. GRADE OVER TANK: 452.3' INVERT IN: 447.4' INVERT OUT: 447.7'
2. DISTRIBUTION BOX EXISTING GRADE OVER TANK: 456.3' INVERT IN: 452.6' INVERT OUT: 452.3'
3. TRENCH DESIGN (4 BDRM x 150 GPD/BDRM = 600 GPD) 600 GPD @ 0.6 APP. RATE = 1,000 SF USE 3' WIDE TRENCH WITH 48\"/>

TRENCH DATA

TRENCH V.A.X. DEPTH (8)

TRENCH (1):
 GROUND ABOVE = 456.3'
 INV. IN = 452.3'
 BOTTOM TRENCH = 448.3'

TRENCH (2):
 GROUND ABOVE = 456.3'
 INV. IN = 451.8'
 BOTTOM TRENCH = 447.8'

TRENCH (3):
 GROUND ABOVE = 455.3'
 INV. IN = 451.3'
 BOTTOM TRENCH = 447.3'

GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RC-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
2. PLAT REFERENCE: PLAT No. 18245.
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 5/10/11.
4. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DESIGN DETAILS. PRIOR TO STARTUP 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 (410-515-1881) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
6. THE CONTRACTOR SHALL NOTIFY "MSS UTILITY" AT 1-800-257-7777 AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
7. TOTAL LIMIT OF DISTURBANCE: 29,464 SQ. FT. / 0.68 AC ±
8. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-05-089.
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. ZZZZ 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 ENDOUSEMENTS 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 REVISED 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 SYSTEM CAPACITY.
17. THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-05-089.
18. A STANDARD SEWAGE CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP-14-024 DATED 10/20/13.
19. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1631 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 DRAINWAY PER F-05-089.

ES&E Land Planning Engineering Land Surveying

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

DATE: 04/04/14 SCALE: 1"=40' FILE: PP LOT 44
 CHK'D: M.L.B. JOB NO.: 1214 DRAWN: R.C.K.

PLAT PLAN FOR BAT INSTALLATION
 LOT 44
HOMEWOOD CROSSING
 LIBER 9808, FOLIO 204
 PLAT No. 18245
 TAX No. 05-443067
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ADDRESS: 11203 INDEPENDENCE WAY
 ELLICOTT CITY, MARYLAND