



Office of the Health Officer

8930 Stanford Blvd. Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
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., Acting Health Officer

DATE: March 27, 2014

TO: Toll Brothers Inc.
C/O Jason Mudd
Via-e-mail: JMUDD@TOLLBROTHERSINC.COM

RE: **Building Permit # B14000696**
14914 Victory Lane
Glenelg, Maryland 21737

Mr. Mudd,

Further review is contingent upon submission of a revised building plan showing the following:

- As of January 1, 2013, all new construction is required to use the "Best Available Technology" (BAT) for septic installation. Before building permit approval, a **BAT** site plan must be submitted along with your building application and building plan.
- Floor plans for the proposed house must be submitted.

Your building permit will be placed "on hold" until all Howard County Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard, REHS/RS
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

cc: Well & Septic program file
Nathan Brandenburg

Bernard, Dana

From: Bernard, Dana
Sent: Monday, April 21, 2014 9:49 AM
To: 'Jason Mudd'
Subject: 14914 Victory Lane

Good Morning Jason,

I have reviewed your plans and there are a few revisions needed. The tank must be 10 feet away from the lot lines. And the floor plans have revealed 5 bedrooms instead of 4, so your calculations on the BAT plan and Building plan must reflect 5 bedrooms. Please make sure during your revisions you change the amount of trench needed , it should reflect your new calculations. If you have any questions don't hesitate to give me a call.

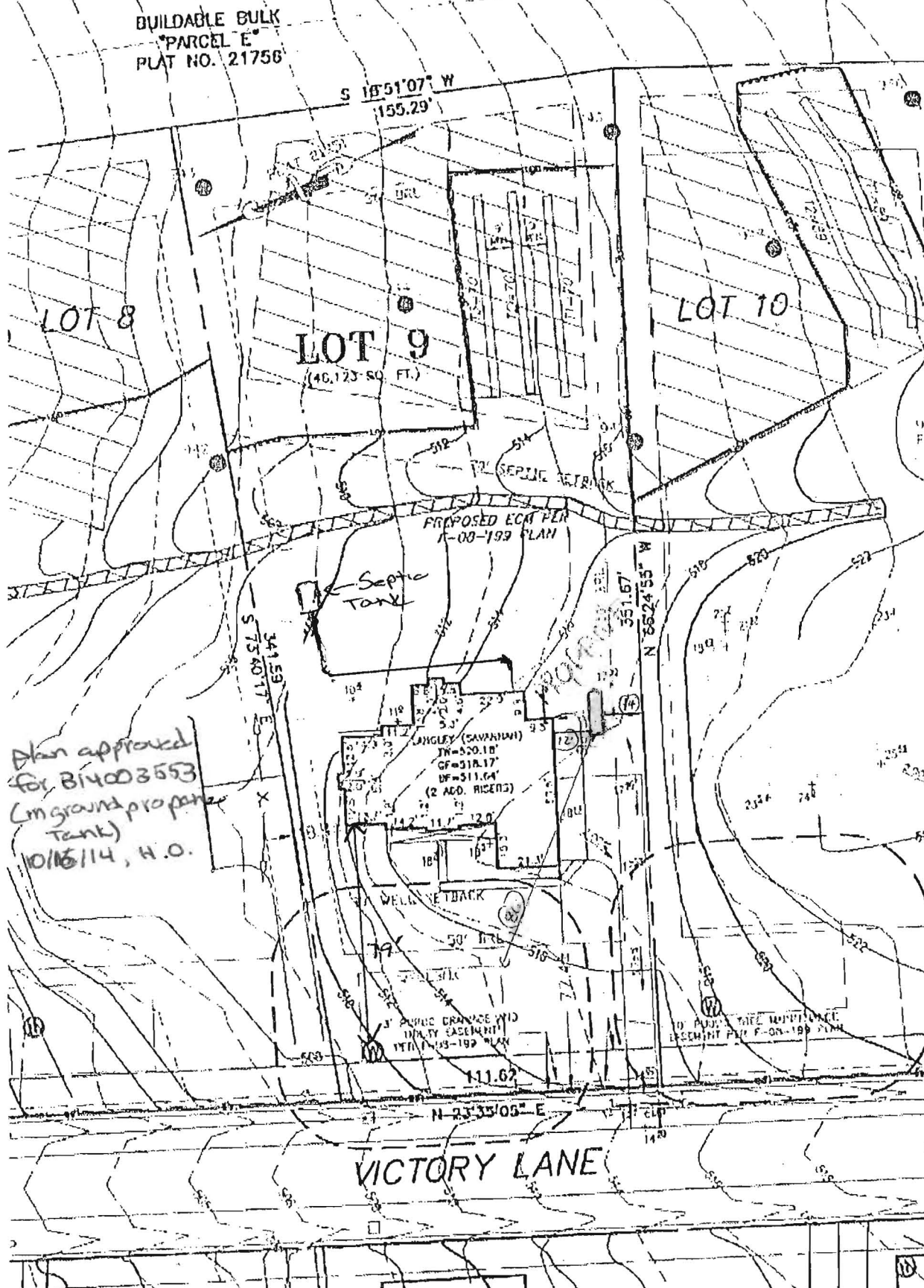
Thank you & Have a*""")

,,.,.,,*"""),,.,,*""")

(,.,. (,.,.* Wonderful Day !

Dana Bernard, REHS/RS
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

No. 101
No. 011
No. 017
No. 023
No. 033
No. 073
No. 303
No. 501
No. 520
No. 155087
9 9010001



THE DESIGN FLOW
1' = 12'
NOT LOSS PER BENDS
FIELD PROGRADED
SWITCH
100'
EFFICIENCY
PUMPS
3

GENERAL

1. THE SURVEY ZONING PLU
2. PLAT REFERENCES
3. THE EXISTING FIELD RUN ESE DATED
4. SEE ARCHIT TO STAKEOUT RESPONSE HOUSE PLAN
5. THE CONTROL MARKS / B (410-313-1
6. THE CONTROL FORTY-EIGHT
7. TOTAL UNIT
8. STORMWATER PLAN F-CH
9. ANY DAMAGE REPAIRED IN HOWARD CO
10. DEVIATIONS CONSENT OF UNACCEPTABLE
11. THE DIMENSION DISTANCES
12. THE LOTS & WIDTH AS B
13. EZZA D-10,000 SQ. FT. ENVIRONMENTAL AREA / SHALL BECC THE COUNTY FOR ENERGY MODIFIED SE
14. EXISTING AND THE PROPER PROPOSED
15. ANY CHANGE PERCOLATION
16. UPON BUILD STRUCTURES TO DETERMINE
17. THE DEVELOPMENT PLAN SINCE F-03-199
18. A STANDARD LOT REFERENCE
19. THE EXISTING TAG NUMBER PROFESSIONAL
20. BUILDING SETBACK DIS
21. CULVERT FOR

AVAILABLE TECHNOLOGY (BAT) NOTES:

CAUTIONS OR DEFICITS TO ANY COMPONENTS MUST BE APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE

THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET COVER

LOCATED MORE THAN 10 FEET FROM THE TANK WHEN IN USE

BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM

MAINTAINED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.

INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE OFFICE OF THE ENVIRONMENT (MRE), IN A MANNER ACCEPTABLE TO MRE, THE ADDRESS OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.

THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

THE BAT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDS OF HOWARD COUNTY.

REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE OFFICE OF THE ENVIRONMENT (MRE) PRIOR TO INSTALLATION.

FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DEVELOPMENT ENGINEERING DIVISION

DATE

OR

DATE

SEWAGE DISPOSAL SYSTEM DATA (4 UDRM)

INVERT AT FOUNDATION WALL: 509.4'
ROOT BARREDO SYSTEM
EX. GRADE OVER TANK: 507.0'
PROPOSED GRADE OVER TANK: 508.6'
INVERT IN: 505.9' INVERT OUT: 505.2'

2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 514.9'
PROPOSED GRADE OVER TANK: 514.9'
INVERT IN: 512.2' INVERT OUT: 511.9'

3. TRENCH DESIGN (5 BORN x 100 DEF. FORM = 750 CPD)
750 CPD x 0.8 APP. RATE = 1,250 SF
USE 3' WIDE TRENCH WITH 18" GRAVEL BELOW PIPE
9' MIN. SPACING BETWEEN TRENCH EDGES
1,250 SF x 3' WIDE = 416.67 LF x 0.50' = 208.33 LF MIN TRENCH
USE 3'-7 1/2" LONG TRENCHES = 210 LF

TRENCH DATA

BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1):
GROUND ABOVE = 514.6'
B.V. IN = 510.6'
BOTTOM TRENCH = 508.5'

TRENCH 2 (T2):
GROUND ABOVE = 513.8'
B.V. IN = 509.8'
BOTTOM TRENCH = 508.0'

TRENCH 3 (T3):
GROUND ABOVE = 512.9'
B.V. IN = 508.9'
BOTTOM TRENCH = 504.9'

Scale 1" = 50'

14914 Victory Lane

PLOT PLAN FOR BAT INSTALLATION

LOT 9

MERIWETHER FARMS

UBER 13779, FODD 473

PLAT No. 21751

TAX No. 04-503518

FOURTH ELECTION DISTRICT

ESE



HEALTH

Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 9/29/14

Permit No.: B14003553

Building Address: 14914 Victory Ln
City: Glencol State: MD Zip Code: 21737
Suite/Apt. #: _____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: MERIWETHER FARM
Section: 2 Area: _____ Lot: 9
Tax Map: 21 Parcel: 28 Grid: 16
Zoning: _____ Map Coordinates: _____ Lot Size: 1.05 (A)

Existing Use: SFD
Proposed Use: SFD w/ propane Tank
Estimated Construction Cost: \$ 8000
Description of Work: install 1000 gallon in-ground propane Tank

Occupant or Tenant: _____
Was tenant space previously occupied? ☐ Yes ☐ No
Contact Name: _____
Address: Owner
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Commercial Building Characteristics	Residential Building Characteristics
Height:	☐ SF Dwelling ☐ SF Townhouse
No. of stories:	Depth Width
Gross area, sq. ft./floor:	1 st floor:
	2 nd floor:
Area of construction (sq. ft.):	Basement:
	☐ Finished Basement
Use group:	☐ Unfinished Basement
	☐ Crawl Space
Construction type:	☐ Slab on Grade
☐ Reinforced Concrete	No. of Bedrooms:
☐ Structural Steel	<u>Multi-family Dwelling</u>
☐ Masonry	No. of efficiency units:
☐ Wood Frame	No. of 1 BR units:
☐ State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
☒ Roadside Tree Project Permit	Footings:
☐ Yes ☒ No	Roof:
Roadside Tree Project Permit #	☐ State Certified Modular
	☐ Manufactured Home

Property Owner's Name: Toll MD VIII Limited Partnership
Address: 7164 Columbia Gateway Dr
City: Columbia State: MD Zip Code: 21046
Phone: _____ Fax: _____
Email: _____

Applicant's Name & Mailing Address, (If other than stated herein)
Applicant's Name: JEREMY CLANCY
Address: P.O. Box 1253
City: Eldersburg State: MD Zip Code: 21784
Phone: 443-340-1229 Fax: _____
Email: JEREMY@AppliedAndApproved.com

Contractor Company: Valley National Gas
Contact Person: William Growig
Address: 7201 Montevideo Rd
City: Jessup State: MD Zip Code: 20794
License No.: 607793
Phone: 410-799-1114 Fax: _____
Email: _____

Engineer/Architect Company: _____
Responsible Design Prof.: _____
Address: Control
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Utilities
<u>Water Supply</u>
☐ Public
☒ Private
<u>Sewage Disposal</u>
☐ Public
☒ Private
Electric: ☐ Yes ☒ No
Gas: ☒ Yes ☐ No
<u>Heating System</u>
☐ Electric ☐ Oil
☐ Natural Gas ☐ Propane Gas
☐ Other:
<u>Sprinkler System:</u>
☐ Yes ☐ No
Grading Permit Number:
Building Shell Permit Number:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature

Jeremy @ Applied And Approved . Com
Email Address

Title/Company

permits

Print Name

Date

JEREMY CLANCY

9/26/14

RECEIVED

SEP 29 2014

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

PLEASE WRITE NEATLY & LEGIBLY

FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	10/10/14	H. Oswald

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? ☐ Yes ☐ No
Is Entrance Permit Required? ☐ Yes ☐ No
Historic District? ☐ Yes ☐ No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$ 100.00
Tech Fee	\$ 10.00
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ 110.00
Sub- Total Paid	\$
Balance Due	\$
Check	# 38460

Distribution of Copies: White: Building Officials

Green: PSZA,Zoning

Yellow: PSZA,Engineering

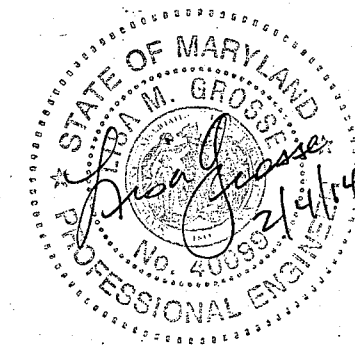
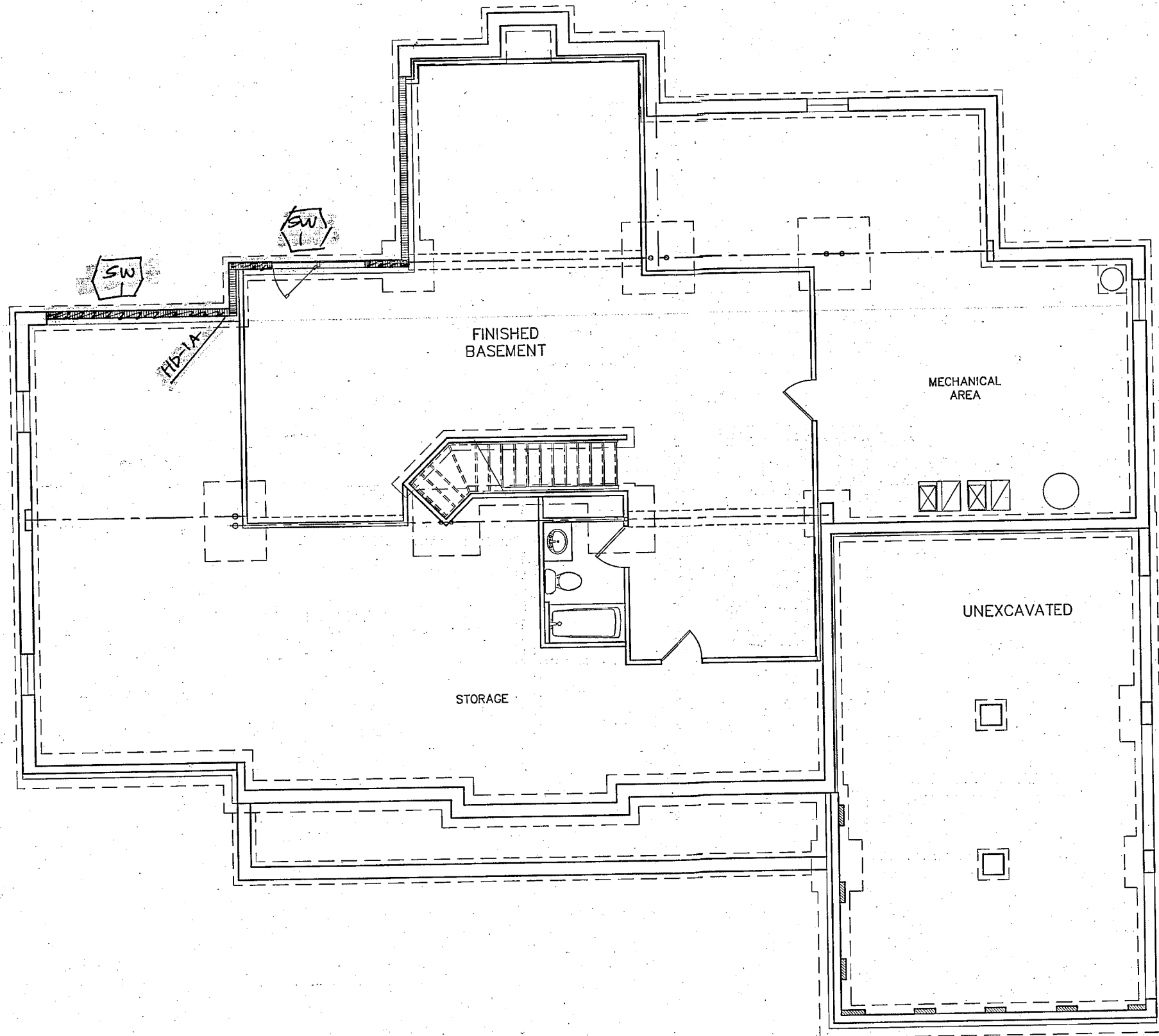
Pink: Health

Gold: SHA

T:\Operations\Updated Forms\Building applmp 8.2012.docx

14SET0953

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF TOLL BROTHERS, INC. AND ARE COPYRIGHTED. THEY WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON, AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORP-ORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF TOLL BROTHERS, INC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS CONTRACTORS SHALL VERIFY, AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND TOLL BROTHERS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.



Professional certification, I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 40099, Expiration Date: 3/15/15

BASEMENT LEVEL LATERAL PLAN

Scale: 1/4" = 1'-0"

SAVANNAH

Toll Architecture

A Toll Brothers, Inc. Company
PHILADELPHIA ■ DALLAS ■
ORLANDO ■ SEATTLE ■

Jed Gibson AIA
Lee Golanoski AIA
David Ruggles AIA
Michael R. LeBlanc AIA
Sylvia E. Senseny AIA
Jeremy Greene AIA
Rafael R. Da Silva AIA
Timothy O'Neill AIA

EASTERN DIVISION 215/229-5300 ■ FAX 215/229-5313
2 NORTH ■ 250 GIBBALTAN ROAD ■ HOBOKEN ■ NJ ■ 07030

DRAWN BY
D.IREDALE
CHECKED BY
T.BAUER
SCALE
AS NOTED

SHEET DATE
2/3/14
SHEET REVISION INFO

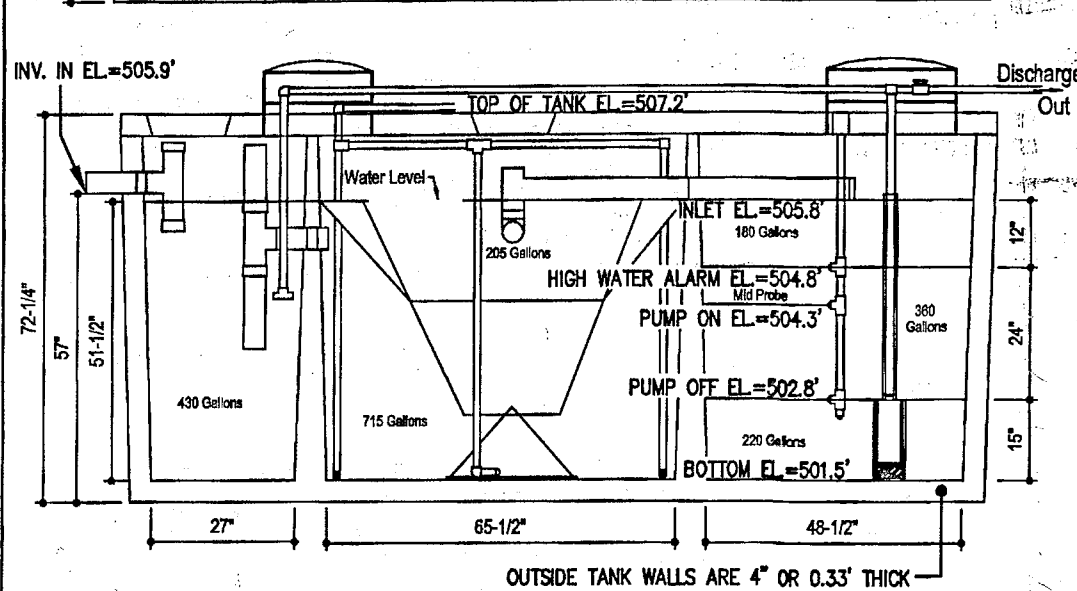
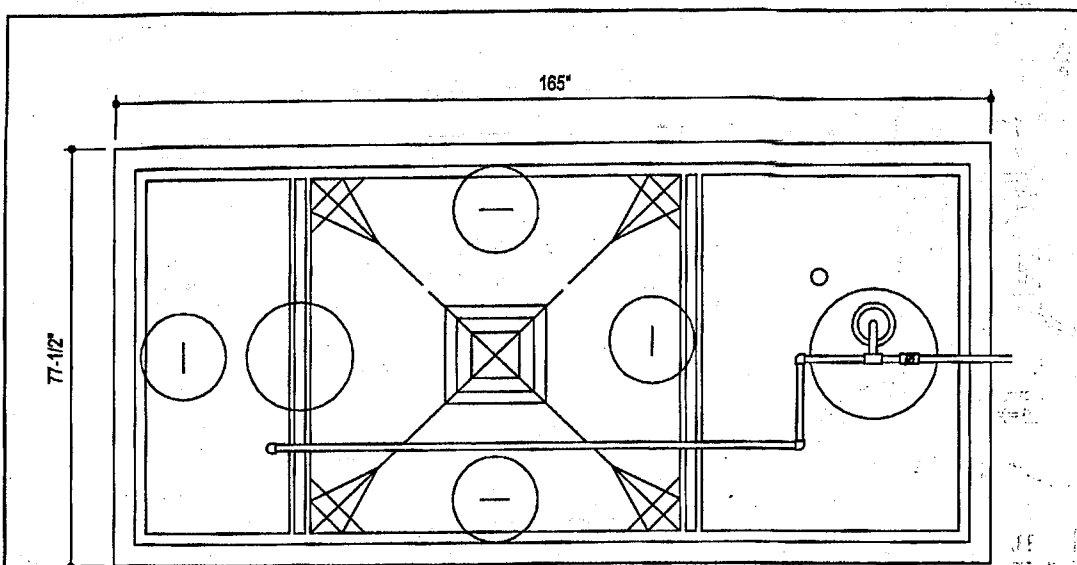
SET REVISION INFO

SHEET DESCRIPTION
BASEMENT LEVEL
LATERAL PLAN

PRODUCT LINE
ESTATE
MODEL/PROJECT NAME
LANGLEY
ELEVATION NAME
SAVANNAH

SHEET NUMBER
A1L
SERIAL NUMBER 1012.0

RIGHT HAND SET | CATTAIL OVERLOOK - LOT#009 - AC#81009



DESIGN DATA & GENERAL NOTES

- [1] Concrete strength $f'c=4000$ p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type III per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 260-96 & C 494-92.
- [4] Reinforcing per ASTM A185. Min. 1-1/2" cover.

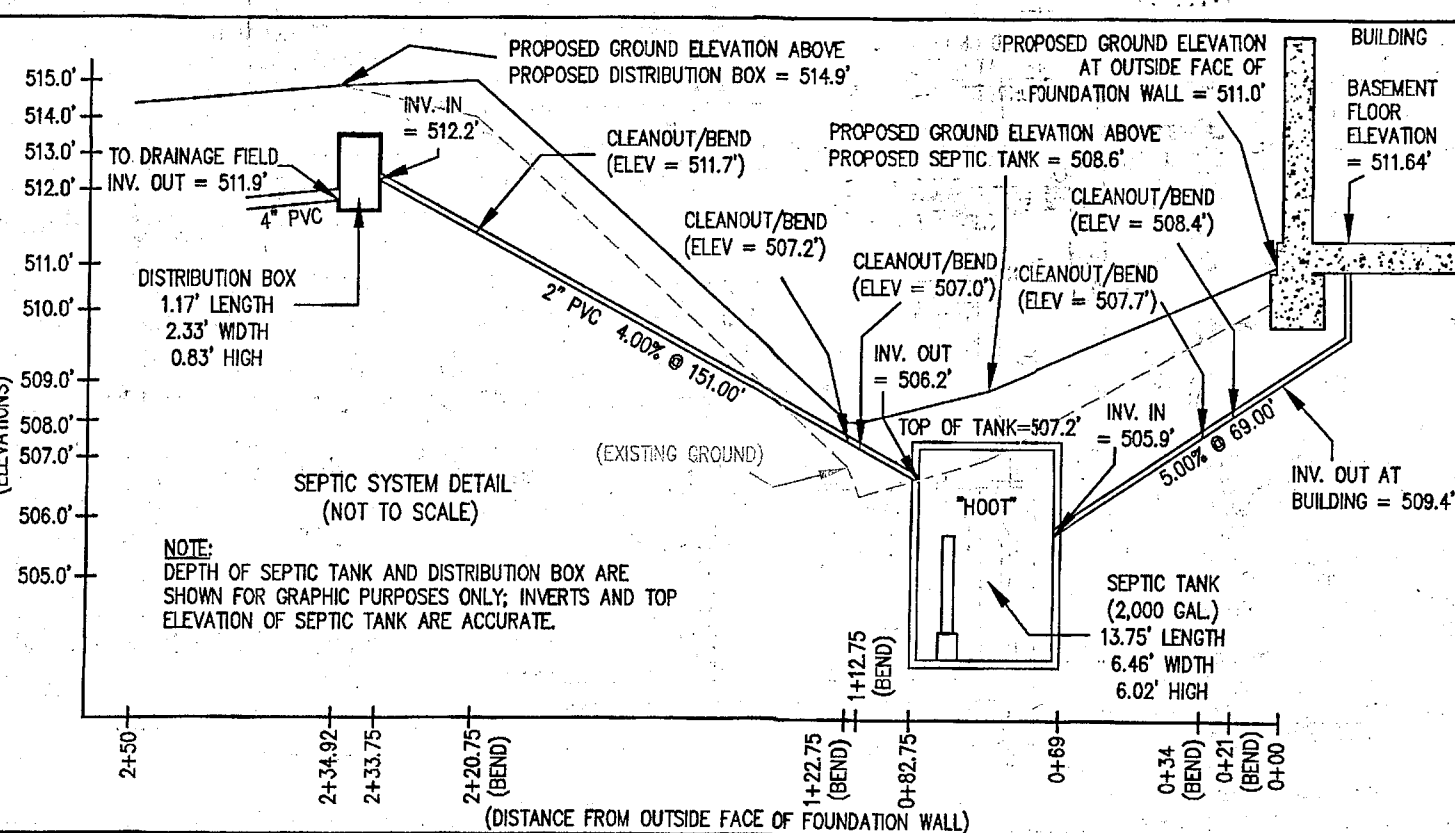
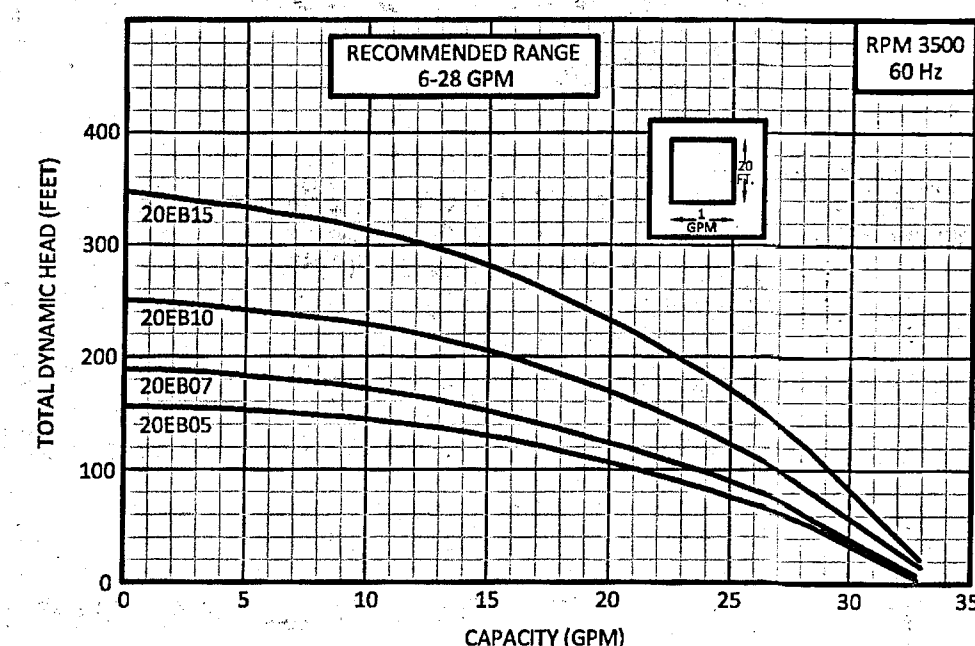
Mayer Brothers, Inc.
6264 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1438
www.mayerbroscorp.com

**600 GPD BNR SYSTEM
H-600 ABNR**
with 750 GALLON PUMP CHAMBER

Dwg. No. Hoot Form #1 No Scale March 19, 2009

FILTERED EFFLUENT BLASTER PUMP CURVE FOR WASTEWATER

MODEL 20EB



HOUSE OPTIONS:

TYPE: LANGLEY (SAVANNAH)
THREE CAR SIDE ENTRY GARAGE
FINISHED LOWER LEVEL
WALK-OUT BASEMENT (UNDER STUDY)
EXPANDED FAMILY/GREAT ROOM
CONSERVATORY ELITE ADDITION
ADD'L 1' TO HEIGHT OF BASEMENT
OPTIONAL BATH FOR FINISHED LOWER LEVEL
SOLARIUM ADDITION
PLAYROOM ABOVE AN ELITE ADDITION
WOOD BURNING DESIGNER FIREPLACE IN FAMILY ROOM
WOOD BURNING FIREPLACE ON SIDE OF CONSERVATORY
(LOCATION TO BE CENTERED IN MIDDLE OF ADDITION)

OPTION No. 001
OPTION No. 013
OPTION No. 017
OPTION No. 023
OPTION No. 039
OPTION No. 070
OPTION No. 383
OPTION No. 501
OPTION No. 520
OPTION No. 106007
OPTION No. 9008003

LEGEND:

- PERC TEST LOCATION
- ⊙ WELL LOCATION
- LIMITS OF DISTURBANCE
- TOP OF WALL
- GF GROUND FLOOR/FIRST FLOOR
- BF BASEMENT FLOOR
- BRL BUILDING RESTRICTION LINE
- ECM EROSION CONTROL MATTING

PUMPING SYSTEM DATA:

LENGTH OF FORCE MAIN: 151.00' @ 2" DIA. PIPE
STATIC HEAD = 9.40'
FRICTION HEAD = 1.12'
DYNAMIC HEAD = 10.52'
FLOW = 20 GPM
DOSE = 100 GALLONS (MINIMUM)
PUMP TYPE PER PUMP CURVE CHART = 20EB05, 1/2 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 = 151.00'
3 (45°) BENDS IN 2" PVC = (ADD 4' PER BEND) = (3 X 4) = 12'
(LENGTH OF FORCE MAIN + LENGTH OF PIPE FOR FRICTION LOSS PER BENDS)
151.00' + 12' = 163.00' TOTAL PIPE PER FRICTION LOSS
(20 GPM OF 2" PVC = 0.74 PER 100' OF PIPE)
0.74 X 163 = 0.0074 X 51' (LEFT OVER PIPE) = 0.38 (51' OF PIPE PRORATED)
(0.74 (100' PIPE) + 0.38 (PRORATED 51' LEFT OVER))
FRICTION HEAD = 1.12'

DYNAMIC HEAD CALCULATIONS:

INV. IN @ DISTRIBUTION BOX = 512.2'
INV. @ TANK PUMP OFF FLOAT = 502.8'
(INV. IN AT DISTRIBUTION BOX (-) ELEV. OF PUMP OFF SWITCH)
STATIC HEAD = 9.40'
FRICTION HEAD LOSS IN 2" DIA. PIPE = 1.12'
(STATIC HEAD + FRICTION HEAD)
TOTAL DYNAMIC HEAD = 10.52'

FLOW CALCULATIONS:

PER STANDARD HOOT 600BNR "BLASTER EB20" PUMP:
THE SPECIFICATIONS SHOW IT PUMPS 20 GPM AT A HEAD OF 100'.
100 GALLONS (MIN. DOSE) ÷ 20 GPM = 5 MINUTE PUMP TIME

PUMP HORSEPOWER 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 10.52 X 1 ÷ 3960 X 0.4 = 210.4 ÷ 1,584.0 = 0.13
USE PUMP CHART - PUMP = 20EB05, 1/2 H.P.

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.

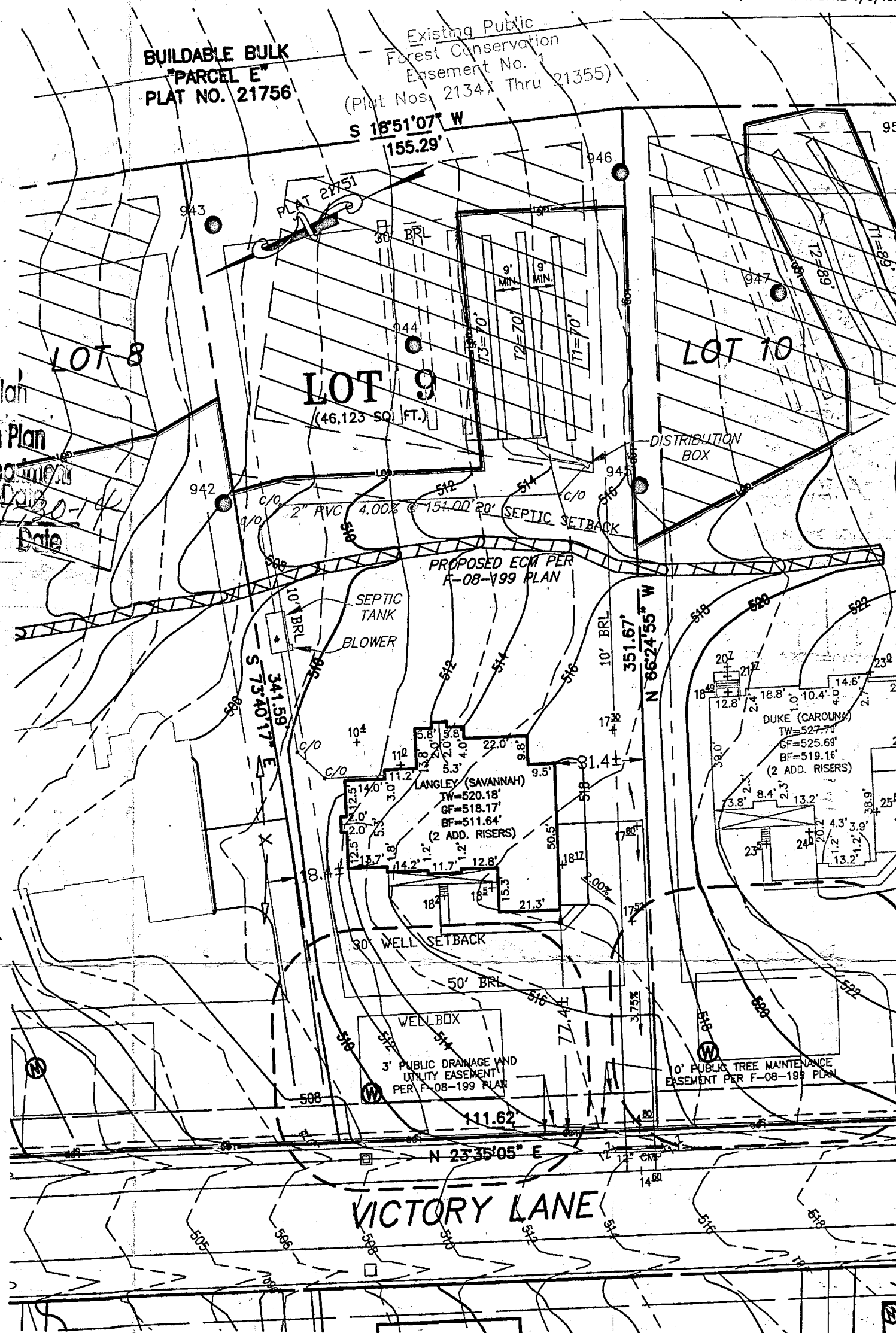
APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DIRECTOR

PROFESSIONAL ENGINEER

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. 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. 21751
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 6/21/12.
4. 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.
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: 33,930 SQ. FT. / 0.78 AC.±
8. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-08-199
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 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-08-199.
18. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN DATED 12/18/13.
19. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2087) 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-08-199.

SEWAGE DISPOSAL SYSTEM DATA (4 BDRM)

INVERT AT FOUNDATION WALL: 509.4'
HOOT BNR600 SYSTEM
EX. GRADE OVER TANK: 507.0'
PROPOSED GRADE OVER TANK: 508.6'
INVERT IN: 505.9' INVERT OUT: 506.2'

2. DISTRIBUTION BOX
EXISTING GRADE OVER TANK: 514.9'
PROPOSED GRADE OVER TANK: 514.9'
INVERT IN: 512.2' INVERT OUT: 511.9'

3. TRENCH DESIGN (5 BDRM X 150 GPD/BDRM = 750 GPD)
750 GPD ÷ 0.6 APP. RATE = 1,250 SF
USE 3" WIDE TRENCH WITH 48" GRAVEL BELOW PIPE
9' MIN. SPACING BETWEEN TRENCH EDGES
1,250 SF ÷ 3" WIDTH = 416.67 LF X 0.50 = 208.33 LF MIN TRENCH
USE 3-70' LONG TRENCHES = 210 LF

TRENCH DATA:

BOTTOM MAX. DEPTH (8')

TRENCH 1 (T1):
GROUND ABOVE = 514.6'
INV. IN = 510.6'
BOTTOM TRENCH = 506.6'

TRENCH 2 (T2):
GROUND ABOVE = 513.8'
INV. IN = 509.8'
BOTTOM TRENCH = 505.8'

TRENCH 3 (T3):
GROUND ABOVE = 512.9'
INV. IN = 508.9'
BOTTOM TRENCH = 504.9'

PLOT PLAN FOR **LOT 9**
MERIWETHER FARMS
LIBER 13779, FOLIO 473
PLAT No. 21751
TAX No. 04-593618
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
ADDRESS: 14914 VICTORY LANE
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: 04/23/14
CHK'D: M.J.B

SCALE: 1"=40'
JOB NO.: 3184

FILE: PP LOT 9_REV 1
DRAWN: R.C.K