



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 4 10-313-2455
www.howardcountymd.gov

DI LP 2017 03/13/17
Date Received: _____

Permit No.: B17001764

Building Address: 11710 Janney Court
City: Claughtonville State: MD Zip Code: 21029
Suite/Apt. #: _____ SDP/WP/BA #: _____
Census Tract: 605102 Subdivision: Eastern View
Section: _____ Area: _____ Lot: _____
Tax Map: 41 Parcel: 143 Grid: 8
Zoning: RR Map Coordinates: 505203 Lot Size: 5.362 ac

Property Owner's Name: Henry & Cynthia Bell
Address: 6885 Canavan Court
City: Columbia State: MD Zip Code: 21044
Phone: 706 536 4509 Fax: _____
Email: Synthiajessicabell@gmail.com

Existing Use: Vacant / Residential
Proposed Use: Residential / Single Family Detached
Estimated Construction Cost: \$ 250,000
Description of Work: custom home to be built

Applicant's Name & Mailing Address, (if other than stated herein)
Applicant's Name: John McDonough Kerwick Builders
Address: 11022 Willow Bottom Drive
City: Columbia State: MD Zip Code: 21044
Phone: 703 926 6751 Fax: _____
Email: JMcDonough@KerwickHomes.com

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

Contractor Company: Kerwick Builders LLC
Contact Person: John McDonough
Address: 11022 Willow Bottom Drive
City: Columbia State: MD Zip Code: 21044
License No.: 7863
Phone: 703 926 6751 Fax: _____
Email: JMcDonough@KerwickHomes.com

Engineer/Architect Company: Lessard Perigo
Responsible Design Prof.: Allison Paul
Address: 8521 Leesburg Pike suite 700
City: Vienna State: VA Zip Code: 22182
Phone: 571 830 1800 Fax: _____
Email: bfoliaco@lessarddesign.com

Commercial Building Characteristics	Residential Building Characteristics
Height: _____	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories: _____	Depth _____ Width _____
Gross area, sq. ft./floor: _____	1 st floor: <u>49'</u> <u>48'</u>
Area of construction (sq. ft.): _____	2 nd floor: <u>49'</u> <u>71'</u>
Use group: _____	Basement: <u>49</u> <u>48</u>
Construction type: _____	<input type="checkbox"/> Finished Basement
<input type="checkbox"/> Reinforced Concrete	<input checked="" type="checkbox"/> Unfinished Basement
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Wood Frame	No. of Bedrooms: _____
<input type="checkbox"/> State Certified Modular	<input type="checkbox"/> Multi-family Dwelling
<input type="checkbox"/> Roadside Tree Project Permit	No. of efficiency units: _____
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No. of 1 BR units: _____
Roadside Tree Project Permit # _____	No. of 2 BR units: _____
	No. of 3 BR units: _____
	Other Structure: _____
	Dimensions: _____
	Footings: _____
	Roof: _____
	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric	<input type="checkbox"/> Oil
<input checked="" type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:	
Sprinkler System:	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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.

John McDonough
Applicant's Signature
John McDonough@KerwickHomes.com
Email Address
President, Kerwick Builders LLC
Title/Company

John McDonough
Print Name
5/13/17
Date

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		<u>G. R. Brice</u>

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

DPZ SETBACK INFORMATION
Front: _____
Rear: _____
Side: _____
Side St.: _____
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone: _____
SDP/Red-line approval date: _____

Filing Fee	\$ 100.00
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ 50.00
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# 1175



Building Permit Application

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

OILP 2018 JAN 10 PM 2:57

Date Received: _____

Permit No.: B18000086

Building Address: 11710 JANNEY CT
 City: Beltsville State: MD Zip Code: 21039
 Suite/Apt. #: _____ SDP/WP/BA #: _____
 Census Tract: 6A05002 Subdivision: Fairman Woods
 Section: _____ Area: _____ Lot: _____
 Tax Map: 41 Parcel: 143 Grid: D
 Zoning: RR Map Coordinates: 100-203 Lot Size: 0.362A

Property Owner's Name: Howard County P-11
 Address: _____
 City: _____ State: MD Zip Code: 21039
 Phone: 410-313-2455 Fax: _____
 Email: _____

Applicant's Name & Mailing Address, (If other than stated herein)
 Applicant's Name: John H. Pinnock
 Address: 11523 W-11 1/2 Way Beltsville
 City: Beltsville State: MD Zip Code: 21039
 Phone: 301-271-7792 Fax: _____
 Email: _____

Existing Use: Customer water construction
 Proposed Use: Retaining wall
 Estimated Construction Cost: \$ 12,000.00
 Description of Work: Build a concrete retaining wall 115' long x 4' high x 14" thick with 1/4" x 1/2" rebar every 4' and 30" long piers
 Occupant/Tenant Name: _____
 Was tenant space previously occupied? Yes No
 Contact Name: John H. Pinnock
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: 301-271-7792 Fax: _____
 Email: HEIGHT - WALL 1-10 / WALL 2-10

Contractor Company: Patrick Builders LLC
 Contact Person: _____
 Address: _____
 City: _____ State: MD Zip Code: 21039
 License No.: 7868
 Phone: 703-352-1252 Fax: _____
 Email: _____

Engineer/Architect Company: Blair Design
 Responsible Design Prof.: Allison Blair
 Address: _____
 City: Virginia State: VA Zip Code: 22182
 Phone: 703-330-1800 Fax: _____
 Email: blair@blairdesign.com

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

Utilities	
Electric:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric	<input type="checkbox"/> Oil
<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:	<u>NA</u>
Sprinkler System:	
<input type="checkbox"/> Yes	<input type="checkbox"/> No <u>NA</u>
Grading Permit Number: <u>G17000215</u>	
Building Shell Permit Number: <u>B17001767</u>	

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Applicant's Signature: _____ Print Name: John H. Pinnock
 Email Address: _____ Date: 1/2/17
 Title/Company: Patrick Builders LLC * Will pick up *

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	<u>1/26/17</u>	<u>RB</u>

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$
Permit Fee	\$ 100
Tech Fee	\$ 10
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ 110.00
Sub- Total Paid	\$
Balance Due	\$
Check	# 1526

Distribution of Copies: White: Building Officials Green: PSZA, Zoning Yellow: PSZA, Engineering Pink: Health Gold: SHA

**COMPLETE THIS FORM WHEN DROPPING OFF ANY
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: JUNE 13, 2017

To: ROBERT BRICKER, HEALTH DEPARTMENT
(Person's Name and Division)

From: BRUCE BURTON (410) 795-6391
(Your Name, Company Name and Telephone Number)

Subject: Project name EASTERN VIEW PRES. PARCEL A
Project site address 11710 JANNEY COURT
Permit # B170017 SDP # _____
Other information pertinent to this project CA

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, duplicate sets shall be submitted.
- Letter Summarizing Changes
- Energy conservation calculations
- Copies of 1st FLOOR PLAN (be specific). *MATCHES PLAN REVIEW SET PER D. SWINDER
- Health Department Request DPZ/ DED Request Applicant's Request
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # _____
- Other _____

Contact Person Information: (Required)

BRUCE BURTON
Please Print Name

Telephone No: 410, 795, 6391

E-Mail Address: bb121658@GMAIL.COM

PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.

Received by AKH

FLOOR PLANS PER
HEALTH DEPT

LDE, INC.

Planning ♦ Engineering ♦ Surveying

June 7, 2017

Mr. Robert Bricker, REHS/R.S., L.E.H.S.
Well & Septic Program
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Boulevard
Columbia, MD 21045

RE: Eastern View / Preservation Parcel A
11710 Janney Court / B17001784

Dear Mr. Bricker,

Pursuant to comments regarding the architectural plans, we offer the following:

1. The first floor plan has been revised as discussed in your comments of 5/5/17.

A copy of the floor plan is attached for your review.

Should you have any questions regarding the above please contact our office.

Very truly yours,



Bruce D. Burton, PE
LDE, Inc.

Cc: Keswick Homes

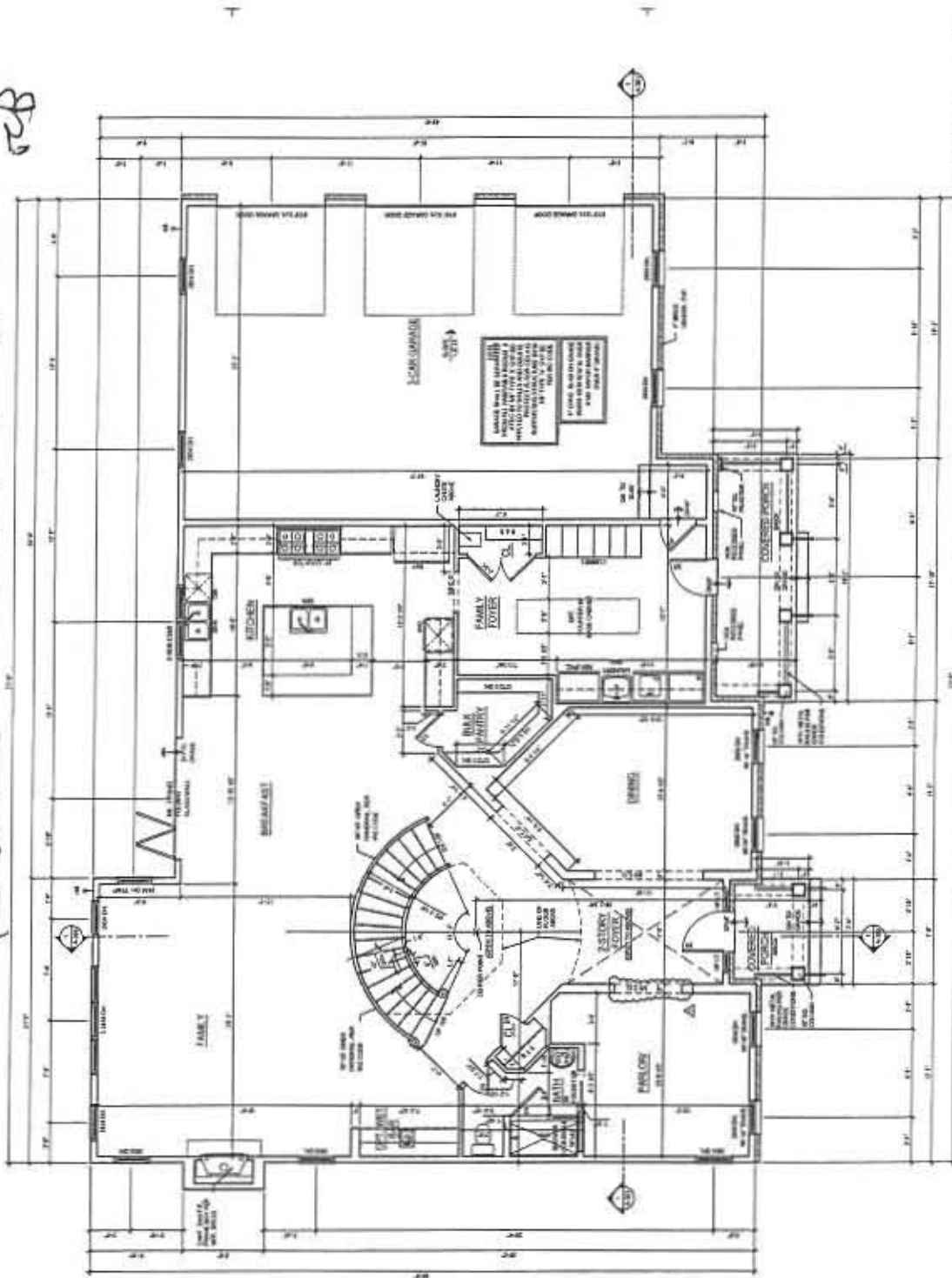
RECEIVED

JUN 13 2017

**LICENSES & PERMITS
DIVISION**

11710 Janney Ct.
B17001764

Revised 1st Floor: OK
Bedroom 3
CRB



FIRST FLOOR PLAN	2,103 SQ. FT.
SECOND FLOOR PLAN	2,813 SQ. FT.
FOUR-CAR GARAGE	4,928 SQ. FT.
FOUR-CAR BASEMENT	1,685 SQ. FT.
3-CAR GARAGE	803 SQ. FT.
5-BRN. BASEMENT	277 SQ. FT.

FIRST FLOOR PLAN
1/4" = 1'-0"



lessard
DESIGN
3511 Lakeside Ave.
Suite 100 | Towson, MD 21286
(410) 286-1800 | F: (410) 286-1801
www.lessarddesign.com

RESWICK HOMES, LLC
3000 W. BELT RD. SUITE 100
BOWEN, MD 21020
(410) 286-1800

BELL RESIDENCE
Howard County, MD
FLOOR PLANS

NO.	DATE	DESCRIPTION
1	08/14/2013	ISSUED FOR PERMITS
2	08/14/2013	ISSUED FOR PERMITS
3	08/14/2013	ISSUED FOR PERMITS
4	08/14/2013	ISSUED FOR PERMITS
5	08/14/2013	ISSUED FOR PERMITS
6	08/14/2013	ISSUED FOR PERMITS
7	08/14/2013	ISSUED FOR PERMITS
8	08/14/2013	ISSUED FOR PERMITS
9	08/14/2013	ISSUED FOR PERMITS
10	08/14/2013	ISSUED FOR PERMITS

A-101

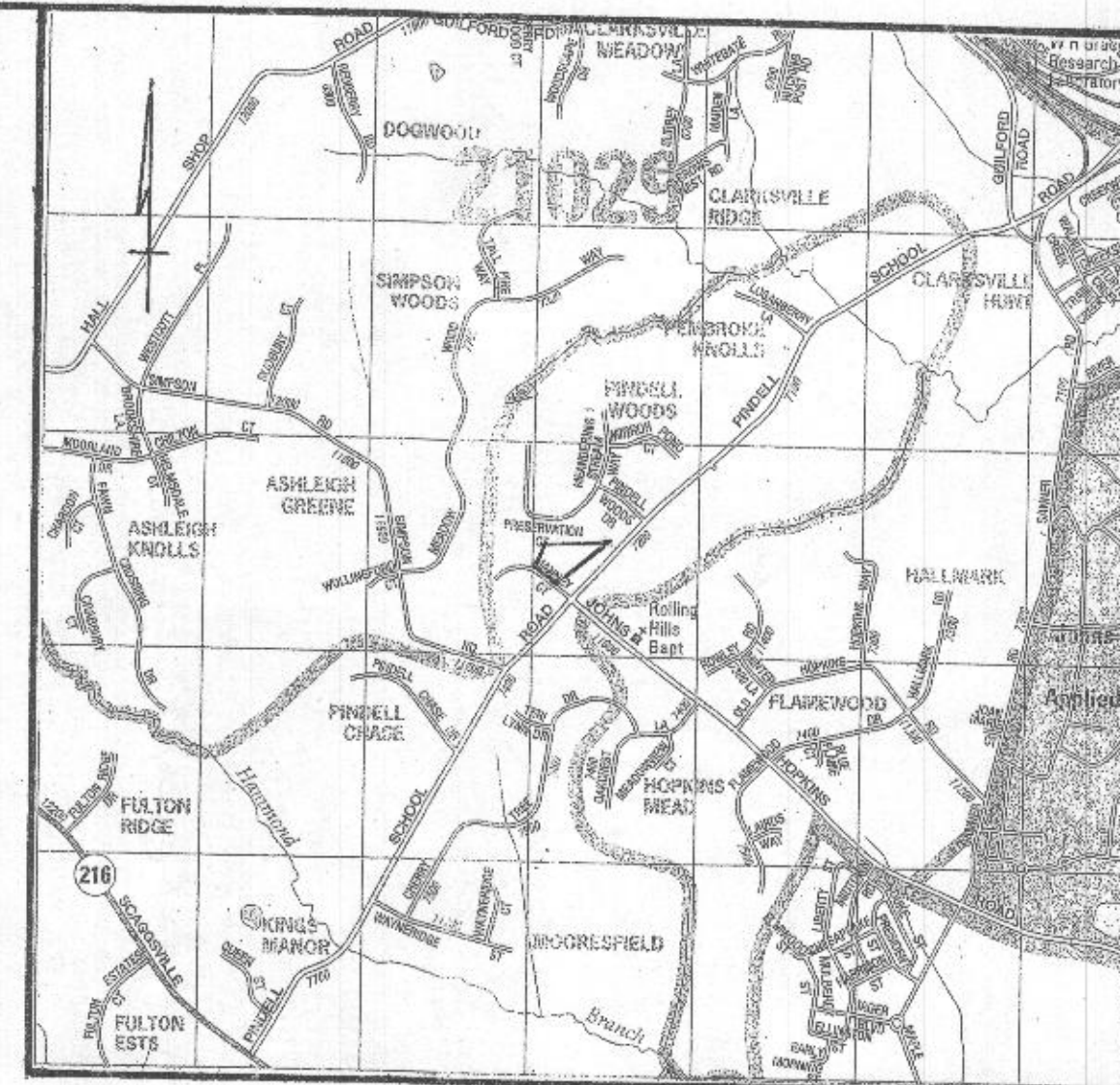
GENERAL NOTES

- Existing Zoning: RR-DEO per 10/06/13 Comprehensive Zoning Plan.
- Plat Reference: # 12459
- Total Area of Parcel: 5.362 Acres +/-
- The lot shown hereon complies with the minimum lot area and ownership width as required by the Maryland Department of the Environment.
- All existing wells and septic systems within 100 feet of the lot which may affect this proposal have been shown.
- The topography shown is derived from the Howard County
- The well this lot has been drilled and field located HO-94-1013 by McKee & Associates, Inc. February 9, 2007.
- Any changes to the Private Sewage Easement shall require a Revised Percolation Certification Plat.
- The Howard County Health Department previously approved the Sewage Disposal Area shown on this plan with a Revised Percolation Certification Plan prepared by McKee & Associates, Inc.
- See Architectural Plans for building dimensions and design details. Prior to stakeout for construction, it shall be the Builder/Developers responsibility to provide LDE, Inc. with the most recent set of house plans. The house footprint shown on this plan was provided by the builder on February 15, 2017.
- The Contractor or Developer shall notify the Department of Public Works/ Bureau of Engineering/ Construction Inspection Division at 410.313.1581 at least (5) five working days prior to start of work.

- The Contractor or Developer shall notify "Miss Utility" at 1.800.257.7777 at least forty-eight (48) hours prior to any excavation work being done.
- Limit of Disturbance: 104,525 square feet.
- Any damage to Public "Rights of Ways" or paved public roads shall be repaired immediately at the Contractors expense in accordance with the Howard County Standards and Specifications.
- Deviation from these plans and specifications without prior written consent of the Engineer may cause the work to be unacceptable.
- The dimensioned distances shall govern if scaled distances on the plan are found to be in disagreement.
- This lot is exempt from the requirements for Forest Conservation in accordance with Section 16.1202.b.1.vi of the Howard County Code for Forest Conservation with filing of a Declaration of Intent.
- Stormwater Management for this lot is provided with the approval of the Environmental Concept Plan.



This area designates a private sewage easement of at least 10,000 square feet for each residence as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this easement are restricted. This easement shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.



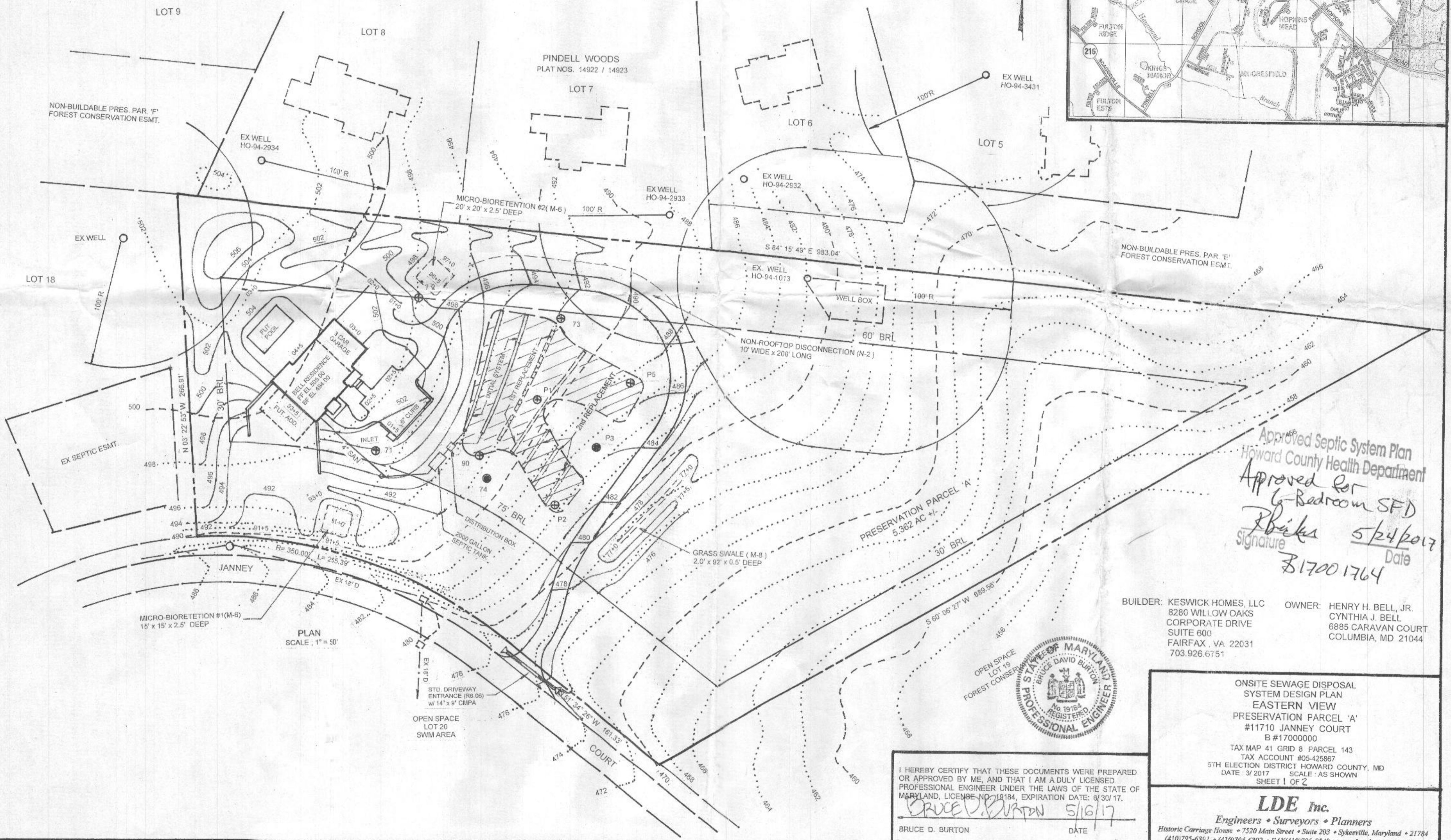
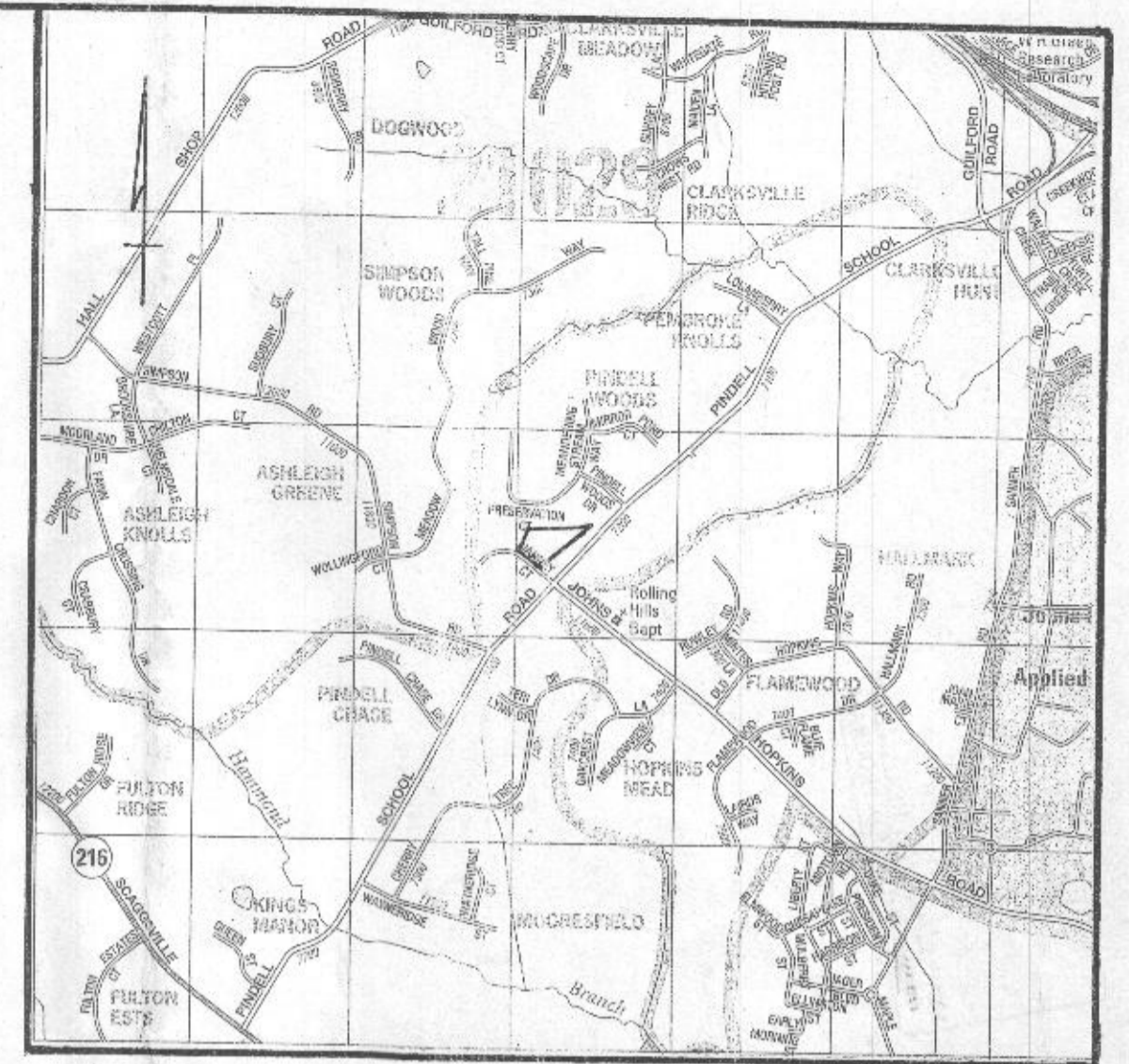
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Approved Septic System Plan
 Howard County Health Department
 Approved for
 6-Bedroom SFD
R. Bikes 5/24/17
 Signature Date
 \$17001764

BUILDER: KESWICK HOMES, LLC
 8280 WILLOW OAKS
 CORPORATE DRIVE
 SUITE 600
 FAIRFAX, VA 22031
 703.926.6751

OWNER: HENRY H. BELL, JR.
 CYNTHIA J. BELL
 6885 CARAVAN COURT
 COLUMBIA, MD 21044

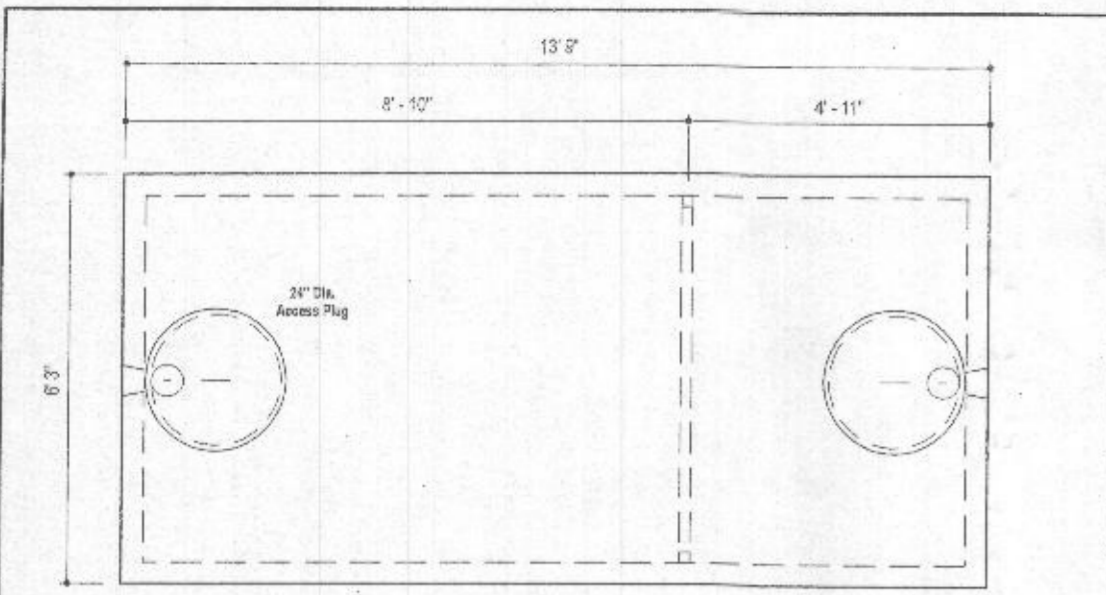


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19164, EXPIRATION DATE: 8/30/17.

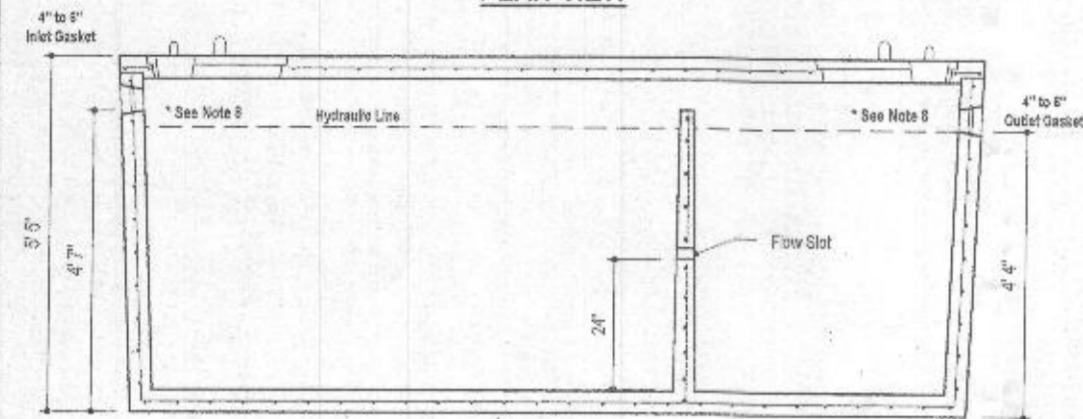
Bruce D. Burton 5/16/17
 BRUCE D. BURTON DATE

ONSITE SEWAGE DISPOSAL
 SYSTEM DESIGN PLAN
 EASTERN VIEW
 PRESERVATION PARCEL 'A'
 #11710 JANNEY COURT
 B #17000000
 TAX MAP 41 GRID 8 PARCEL 143
 TAX ACCOUNT #05-425897
 5TH ELECTION DISTRICT HOWARD COUNTY, MD
 DATE: 3/2017 SCALE: AS SHOWN
 SHEET 1 OF 2

LDE Inc.
 Engineers • Surveyors • Planners
 Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
 (410)795-6391 • (410)795-6392 • FAX(410)795-9340 • www.Landsurveyor.md.com



PLAN VIEW



SECTION A-A

DESIGN DATA & GENERAL NOTES

- [1] Concrete strength f_c=4,000 p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type III per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 200-93 & C 494-92.
- [4] Reinforcing per ASTM A186. Min. 1-1/2" cover.
- [5] Top slab sealed with butyl rope mastic.
- [6] 4" waf, 4" base, & 8" lap thickness.
- [7] Min 2" of cover.
- [8] Depending on use of tank, Inlet & Outlet baffles may be required by code.

M B I
Mayer Bros., Inc.
5264 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1438
www.mayerbrosprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item [Approx. 19,900 lbs]
Dwg. No. 2006-2C No Scale Aug 11, 2008

TRENCH DESIGN CALCULATIONS			
	1ST SYSTEM	2ND SYSTEM	3RD SYSTEM
DESIGN FLOW (1)	900 GPD	900 GPD	900 GPD
APPLICATION RATE	0.8 GPD	0.8 GPD	1.2 GPD
EFFECTIVE AREA BEGINNING DEPTH	4.0'	5.0'	4.0'
BOTTOM MAX. DEPTH	7.0'	8.0'	8.0'
TRENCH WIDTH	3.0'	3.0'	3.0'
REQ. DRAINFIELD AREA (2)	1125 SQ FT	1125 SQ FT	750 SQ FT
SEAWALL REDUCTION CREDIT (3)	0.500	0.500	0.417
LINEAR LENGTH OF TRENCH (4)	187.5' (2) 94' TRENCHS	187.5' (2) 94' TRENCHS	104.3' (3) 35' TRENCHS
MIN. TRENCH SPACING (5)	(9') USE 10' MIN.	(9') USE 10' MIN.	USE 11'

- (1) DESIGN FLOW = 6 BEDROOMS x 150 GPD
- (2) REQ. DRAINFIELD AREA = DESIGN FLOW ÷ APPLICATION RATE
- (3) SIDEWALL REDUCTION CREDIT = $\frac{W + 2}{W + 1 + 2D} \times 100$
- (4) LINEAR LENGTH OF TRENCH = REQ. DRAINFIELD AREA x SIDEWALL REDUCTION CREDIT ÷ TRENCH WIDTH
- (5) MINIMUM TRENCH SPACING = 2D + W

SEPTIC SYSTEM 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 earth cover over the tank is 3 feet. Greater earth cover will require a heavy load bearing tank.
3. Electrical work for the installation must be performed by a licensed electrician.
4. The well (tag #94-1013) has been field located and is accurately shown.
5. 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.

SEWAGE SYSTEM DESIGN DATA / INITIAL SYSTEM

1. INVERT @ FOUNDATION OF HOUSE: 493.3+/-
2. 2000 GALLON SEPTIC TANK
6 BEDROOMS
FINISHED GRADE @ TANK: 494.0+/-
INVERT IN: 491.8+/-
INVERT OUT: 491.5+/-
3. DISTRIBUTION BOX w/ 2 OUTLETS:
FINISHED GRADE @ BOX: 494.0+/-
INVERT IN: 491.2+/-
INVERT OUT: 491.1+/-
5. TRENCH #1:
3' WIDE x 94' LENGTH x 3' STONE DEPTH:
FINISHED GRADE OVER: 494.0+/-
INVERT: 490.0+/-
BOTTOM: 487.0+/-
- TRENCH #2:
3' WIDE x 94' LENGTH x 3' STONE DEPTH:
FINISHED GRADE OVER: 493.2+/-
INVERT: 489.2+/-
BOTTOM: 486.2+/-

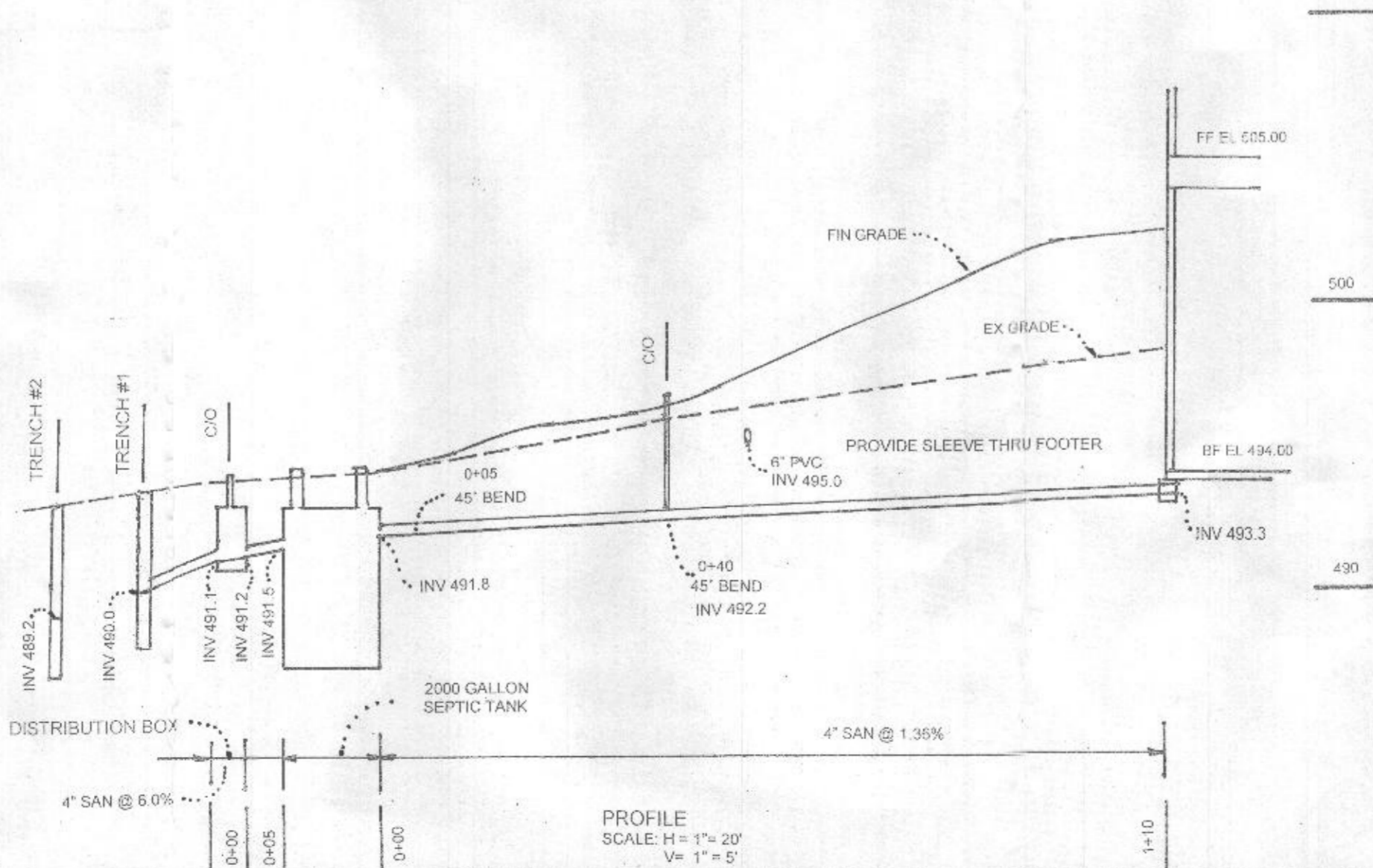
NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS

Approved Septic System Plan
Howard County Health Department
Approved for
6-Bedroom SFD

Signature: *David Burton* Date: 5/24/2017
B17001764

BUILDER: KESWICK HOMES, LLC
8280 WILLOW OAKS
CORPORATE DRIVE
SUITE 600
FAIRFAX, VA 22031
703.926.6731

OWNER: HENRY H. BELL, JR.
CYNTHIA J. BELL
6885 CARAVAN COURT
COLUMBIA, MD 21044



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. 19184, EXPIRATION DATE: 8/30/17.

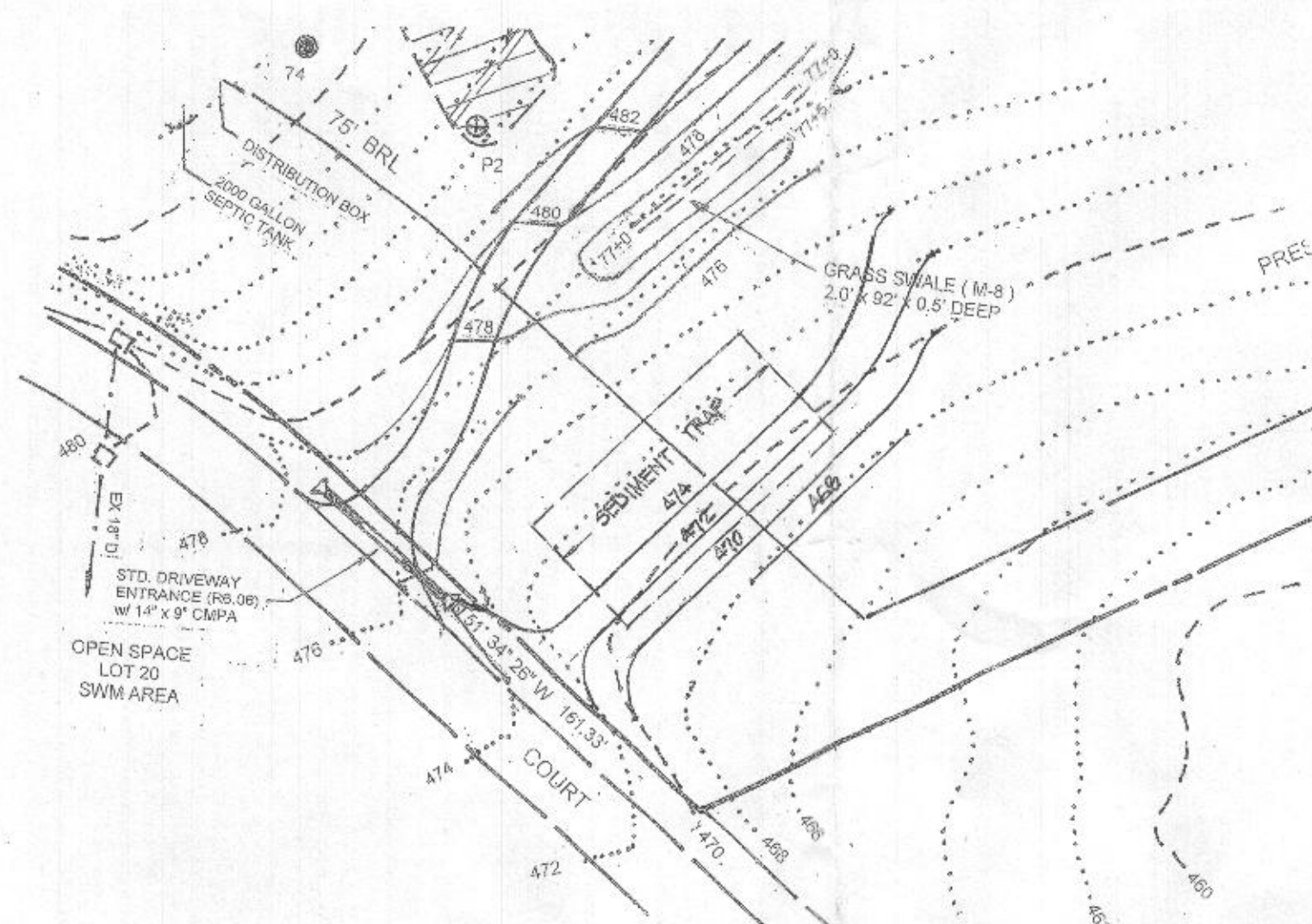
BRUCE D. BURTON DATE: 5/16/17

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
EASTERN VIEW PRESERVATION PARCEL 'A'
#11710 JANNEY COURT
B #17000000
TAX MAP 41 GRID 8 PARCEL 143
TAX ACCOUNT #05-425867
5TH ELECTION DISTRICT HOWARD COUNTY, MD
DATE: 3/2017 SCALE: AS SHOWN
SHEET 2 OF 2

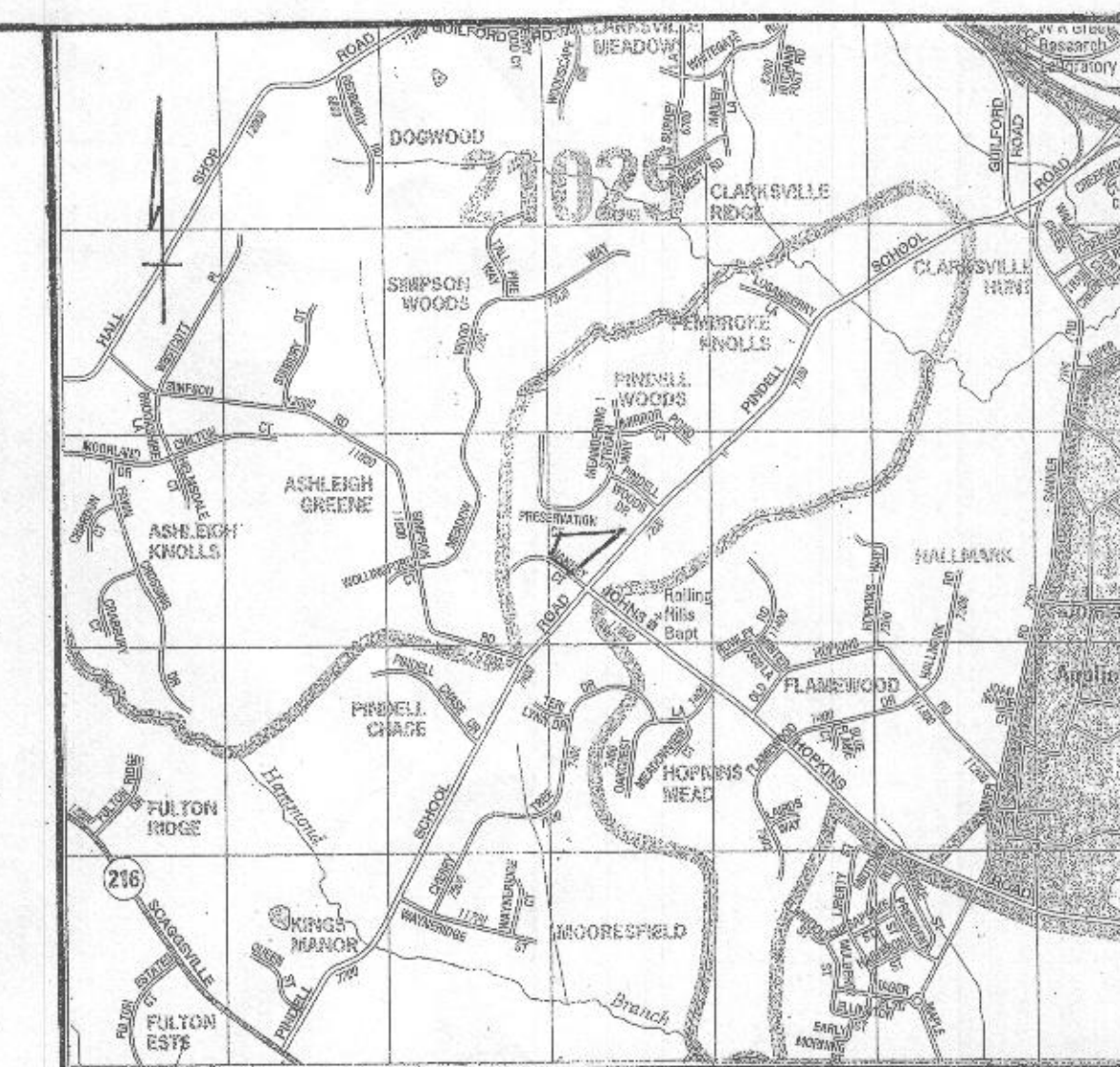
LDE Inc.
Engineers • Surveyors • Planners
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
(410)795-6391 • (410)795-6392 • FAX(410)795-9540 • www.LandSurveyorMD.com

SEQUENCE OF CONSTRUCTION

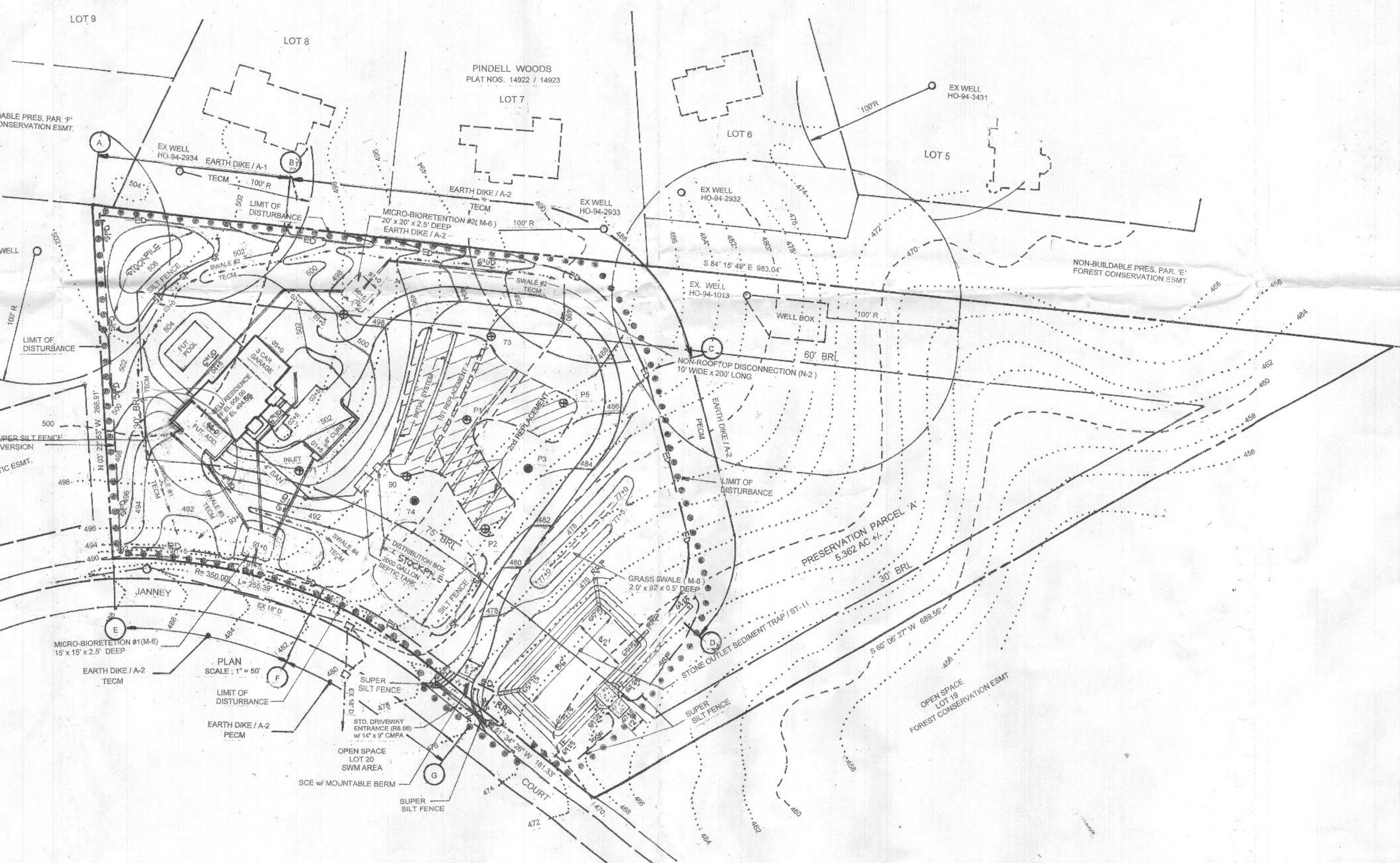
- | | |
|---|-----------------|
| 1. OBTAIN GRADING PERMIT | 1 DAY |
| 2. NOTIFY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION (CID) AT 410.313.1855 TO SCHEDULE A PRE-CONSTRUCTION MEETING AFTER LIMIT OF DISTURBANCE (LOD) AND PROTECTED AREAS HAVE BEEN MARKED IN THE FIELD | 5 DAYS |
| 3. WITH APPROVAL OF CID INSPECTOR TO PROCEED, CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE (SCE) | 1 DAY |
| 4. INSTALL SUPER SILT FENCE DIVERSION ALONG THE LOT 18 PROPERTY LINE | 2 DAYS |
| 5. EXCAVATE STONE OUTLET SEDIMENT TRAP AND CONSTRUCT STONE WEIR | 5 DAYS |
| 6. INSTALL EARTH DIKE AT PERIMETER OF THE LIMIT OF DISTURBANCE (LOD) ALONG JANNEY COURT AND ALONG BOUNDARY OF PINDELL WOODS | 5 DAYS |
| 7. SCHEDULE CID INSPECTION (SEE #2 FOR CONTACT NUMBER) PRIOR TO BEGINNING ANY ADDITIONAL EARTH DISTURBANCE | 3 DAYS |
| 8. AFTER CID APPROVAL HAS BEEN GRANTED, GRUB THE SITE PLANNED FOR THE NEW DWELLING | 5 DAYS |
| 9. BEGIN EXCAVATION OF THE FOUNDATION OF PROPOSED DWELLING AND BEGIN HOUSE CONSTRUCTION | 240 DAYS |
| 10. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL PRACTICES SHOWN HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS | DAILY |
| 11. REMOVE SEDIMENT FROM THE ROADWAYS AND DRESS THE STABILIZED CONSTRUCTION ENTRANCE (SCE) AS REQUIRED | DAILY |
| 12. INSTALL SEPTIC SYSTEM AND TRENCHES | 5 DAYS |
| 13. FINE GRADE SITE LEAVING SUPER SILT FENCE DIVERSION FENCE IN PLACE | 5 DAYS |
| 14. CONSTRUCT NEW DRIVEWAY AND NEW WALKWAYS | 5 DAYS |
| 15. STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH | 5 DAYS |
| 16. WITH APPROVAL FROM CID INSPECTOR, BACKFILL TRAP, REMOVE ALL SEDIMENT CONTROL AND EROSION CONTROL MEASURES AND STABILIZE ANY DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH | 5 DAYS |
| 17. INSTALL MICRO-BIORETENTION FACILITIES AND INSTALL LANDSCAPE PLANTINGS | 5 DAYS |
| 18. WITH APPROVAL OF CID INSPECTOR, STABILIZE ANY REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH | 5 DAYS |
| TOTAL CONSTRUCTION TIME | 300 DAYS |



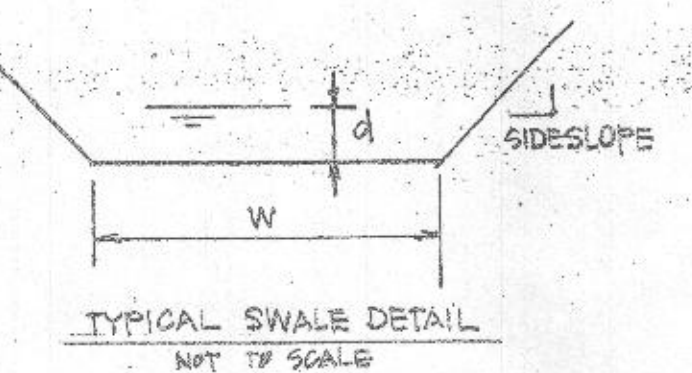
- LEGEND**
- EX. SEWAGE DISPOSAL ESMT.
 - WELL BUFFER
 - EX. WELL
 - EX. PERCOLATION TEST
 - SOLID PVC UNDERDRAIN
 - STABILIZED CONSTRUCTION ENTRANCE
 - EX. SUPER SILT FENCE
 - EX. SUPER SILT FENCE DIVERSION
 - LIMIT OF DISTURBANCE
 - EX. WOODED AREA
 - INDEX CONTOUR
 - INDEX CONTOUR
 - 25% OR GREATER SLOPES
 - 15% - 24.99% SLOPES
 - PERMANENT EROSION CONTROL MATTING
 - TEMPORARY EROSION CONTROL MATTING
 - EARTH DIKE
 - RRP RIPRAP INFLOW PROTECTION
 - STONE OUTLET SEDIMENT TRAP



System Plan
with Department
Sanitary Ct.
Walls for Addition approved
as illustrated
R. Butler
1/26/18
B18000086



EARTH DIKE LOCATION	DRAINAGE AREA	C	I	Q2	D	TOP W	SIDE SLOPE	V	SLOPE	SHEAR STRESS	MATTING TYPE
A-B	0.09 AC	0.85	3.2	0.3	0.21'	4'	2:14:1	2.36	2%	0.12	TEMP
B-C	0.44 AC	0.86	3.2	1.2	0.29'	4'	2:14:1	4.63	2%	0.39	TEMP
C-D	1.22 AC	0.87	3.2	3.4	0.38'	4'	2:14:1	7.76	6%	1.03	PERM
E-F	0.44 AC	0.86	3.2	1.2	0.32'	2'	2:14:1	3.82	1.4%	0.25	TEMP
F-G	0.60 AC	0.87	3.2	1.7	0.29'	4'	2:14:1	6.76	3%	0.85	PERM



SWALE LOCATION	DRAINAGE AREA	C	I	Q2	D	W	SIDE SLOPE	V	SLOPE	SHEAR STRESS	MATTING TYPE
#1	0.24 AC	0.34	3.2	0.3	0.04'	4'	3:1	1.85	6%	0.16	TEMP
#2	0.46 AC	0.34	3.2	0.5	0.07'	4'	3:1	1.73	4%	0.16	TEMP
#3	0.10 AC	0.34	3.2	0.1	0.03'	4'	3:1	0.83	3%	0.05	TEMP
#4	0.16 AC	0.34	3.2	0.2	0.06'	2'	3:1	1.43	3%	0.11	TEMP

- GENERAL NOTES**
- Existing Zoning: RR-DEO per 10/06/13 Comprehensive Zoning Plan.
 - Plat Reference: # 12459
 - Total Area of Parcel: 5.362 Acres +/-
 - The lot shown hereon complies with the minimum lot area and ownership width as required by the Maryland Department of the Environment.
 - All existing wells and septic systems within 100 feet of the lot which may effect this proposal have been shown.
 - The topography shown is derived from the Howard County McKee & Associates, Inc. February 9, 2007.
 - Any changes to the Private Sewage Easement shall require a Revised Percolation Certification Plat.
 - The Howard County Health Department previously approved the Sewage Disposal Area shown on this plan with a Revised Percolation Certification Plan prepared by McKee & Associates, Inc.
 - See Architectural Plans for building dimensions and design details. Prior to stakeout for construction, it shall be the Builder/Developers responsibility to provide LDE, Inc. with the most recent set of house plans. The house footprint shown on this plan was provided by the builder on February 15, 2017.
 - The Contractor or Developer shall notify the Department of Public Works/ Bureau of Engineering/ Construction Inspection Division at 410.313.1881 at least (5) five working days prior to start of work.
 - The Contractor or Developer shall notify "Miss Utility" at 1.800.257.7777 at least forty-eight (48) hours prior to any excavation work being done.
 - Limit of Disturbance: 121,974 square feet or 2.8 acres +/-
 - Any damage to Public "Rights of Ways" or paved public roads shall be repaired immediately at the Contractors expense in accordance with the Howard County Standards and Specifications.
 - Deviation from these plans and specifications without prior written consent of the Engineer may cause the work to be unacceptable.
 - The dimensioned distances shall govern if scaled distances on the plan are found to be in disagreement.
 - The obligations for Forest Conservation for this project were previously addressed under F-96-094.
 - Stormwater Management for this lot is provided with the approval of the Environmental Concept Plan.

BUILDER: KESWICK HOMES, LLC
8280 WILLOW OAKS CORPORATE DRIVE SUITE 600 FAIRFAX, VA 22031 703.926.6751

OWNER: HENRY H. BELL, JR.
CYNTHIA J. BELL
6885 CARAVAN COURT COLUMBIA, MD 21044



LDE Inc.
Engineers • Surveyors • Planners
11710 Janney Court B #17001764
TAX MAP 41 GRID B PARCEL 143
5TH ELECTION DISTRICT HOWARD COUNTY, MD
DATE: 5/2017 SCALE: AS SHOWN SHEET 1 OF 4

Owners/Developer Certification:

"I/We hereby certify that any clearing, grading, construction, or development will be done pursuant to this approved erosion and sediment control plan, including inspecting and maintaining controls, and that the responsible personnel involved in the construction project will have a Certificate of Training at a Maryland Department of the Environment (MDE) approved training program for the control on erosion and sediment prior to beginning the project. I certify right-of-entry for periodic on-site evaluation by Howard County, the Howard Soil Conservation District and/or MDE."

John McDonough
John McDonough, Pres.
6/21/17
Date

GP-17-090

Howard SCD Signature Block:
This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R. Burton
John R. Burton
7/6/17
Date

NO.	BY	DATE	REVISION
1	LDE	11/27/17	REVISE FOUNDATION WALL / FUTURE ADDITION

Design Certification:

"I hereby certify that this plan has been designed in accordance with current Maryland erosion and sediment control laws, regulations, and standards, that it represents a practical and workable plan based on my personal knowledge of the site, and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Bruce D. Burton
Bruce D. Burton
6/21/17
Date

MD Registration No. 19184
P.E., L.S., or R.L.A. (circle one)

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. 19184, EXPIRATION DATE: 8/30/17.

Bruce D. Burton
Bruce D. Burton
6/21/17
Date