

Approved MPE  
3/1/24

Record Detail (This section is required.)

Permit Type	Permit Number	Opened Date
Building/Residential/Misc/Pool Spa	B24000049	01/04/2024

Description of Work  
SFD/ CONSTRUCT NEW 40' X 20' In-ground pool, POOL DEPTH 4' TO 7'

Online BP, records  
on public file search.  
g/s 2/13/2024

check spelling

Address (This section is required.)

Search Reset Clear Get Parcel & Owner

Street #	Street Name	Street Type	
4830	CASTLEBRIDGE	RD	
Unit Type	Unit #	X Coordinate	Y Coordinate
-Select-		-76.90063	39.24202
City	State	Zip Code	Primary
ELLCOTT CITY	MD	21042	Yes

Parcel (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Plan Area
922049	20	1.3	163000	1031900	868900	RURAL

Legal Description  
IMPSLOT 2 1.307 A[ 4830 CASTLEBRIDGE RD ] RIVERWOOD PHASE 1

check spelling

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
21	2	603000	5				
Plan Area	State Tax Id	Subdivision Name					
	1403345041	Riverwood					
Section	Area	Tax Map					
		29					
Grid	Zoning District	ADC Map					
29-4		4934-F2					
SDP No.	Final Plan No.	WP File No.					
	F-04-082						
Record Plat No.	WS Contract No.	FDP No.	Primary				
18031-1804			Yes				
Owner Occupied	Year Built	Historic District					
<input type="radio"/> Yes <input type="radio"/> No	2008	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Historic District Registry No.	Stat Area	Flood Plain					
	3-09A	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner (This section is required.)

Search Reset Clear

Name  
TAKINA WILSON  
Address Line 1  
4830 CASTLEBRIDGE RD  
Address Line 2

Address Line 3

Mail City	Mail State	Mail Zip Code
ELLCOTT CITY	MD	21042
Phone	Primary	
410-591-4273	Yes	
E-mail	takinawilson@ymail.com	
Cell Number	Fax Number	

**Professionals** (This section is not required.)

**License # \***  
08050138745

**License Type \***  
MHIC Co

**Primary**  
Yes

**Business Name**  
RIVAS & SONS CONSTRUCTION LLC

**First Name**      **Middle Name**      **Last Name**  
WALTER           RIVAS

**Address Line 1**  
118 Raymond crossing

**Address Line 2**

**City**      **State**      **ZIP Code**  
Hagerstown      MD      21740

**Phone 1**      **Phone 2**      **Fax**  
240-578-6701

**E-mail**  
Rivasandsons1@gmail.com

**Applicant** (This section is not required.)

**Search**      **As Owner**      **As Lic. Prof**      **As Contact**

**Type \***  
Applicant

**Relationship**  
Applicant

**Primary**  
Yes

**First Name**      **MI**      **Last Name**  
Jason      Alejanc      Rivas

**Full Name**  
Jason Alejandro Rivas

**Organization Name**  
Rivas and sons construction LLC

**Street Address**  
118 Raymond crossing

**Address Line 2**

**City**      **State**      **Zip Code**  
Hagerstown      MD      21740

**Phone**      **Cell**      **Fax**  
240-578-6701

**E-mail \***  
Rivasandsons1@gmail.com

**Addtl Info**

**Est Construction Cost \***      **Housing Units \***      **Number of Buildings \***      **Public Owned**  
120000      0      0      No

**Construction Type**  
--Select--

**POOL INFORMATION**

**MISCELLANEOUS POOL INFORMATION**

**Capital Project-No Fee \***      **Capital Project Number**      **Fee Exempt \***      **Water Supply \***      **Sewage Disposal \***  
 Yes  No            Yes  No      Private      Public

**Existing Use \***      **Type of Pool or Spa \***      **Pool Safety Device \***      **Electrical Permit Number**      **Expiration Date**  
SFD      In Ground Pool      Fence           8/6/2024

**Submit**      **Cancel**

ISSUED  
**NOVEMBER 27, 2023**

REVISION

<b>PROJECT NAME:</b>	<b>WILSON RESIDENCE</b>
<b>PROJECT ADDRESS:</b>	<b>4830 CASTLEBRIDGE RD ELLICOTT CITY, MD 21042</b>

**DRAWING NAME**  
**COVER**

**GENERAL NOTES**

**SCALE**



**WILSON RESIDENCE**  
**4830 CASTLEBRIDGE RD**  
**ELLICOTT CITY, MD 21042**

**NOVEMBER 27, 2023**  
**POOL**

**SHEET NUMBER**

**A-001**

**GENERAL NOTES**

- All construction shall be in compliance with the International Residential Code 2018 IRC.
- The contractor shall verify all dimensions, grades, boundaries and construction before proceeding with the work.
- Wood stud bearing walls to be 2x6, 2x4 at 16" O.C. unless otherwise noted. SPF #2 grade or better.
- All wood less than 8" from grade shall be pressure treated. All wood plates on slab to be pressure treated.
- Provide minimum of R-49 Roof insulation with vapor barrier and insulation baffles at each roof bay eave.
- Provide R-20 batt insulation with vapor barrier on all finished frame walls unless otherwise noted.
- All exterior wood to be pressure treated or painted with minimum of two coats of paint. All exterior metal louvers/steel lintel angles, flashing shall be galvanized and painted.
- Provide 3/4" T & G rated plywood sub-floor.
- Provide 2-2x4 post at each end of double joists unless noted otherwise.
- Floor joists/truss layout shown is only for guidance floor joists supplier shall provide joists layout & ensure not to obstruct plumbing & HVAC openings.
- Any walks and alcoves with two risers and over shall be provided with handrail 3'0" high.
- Smoke detectors to be installed in accordance with local codes and requirements and to be integrated with the electrical system.
- All electrical work shall be installed in accordance with NEC and local codes.
- All mechanical work shall be installed in accordance with mechanical codes.
- Bottom of footings shall be a minimum of 30" below grade.
- Dimensions given on floors plans are face to face of finished wall.
- General contractor and manufacturers to coordinate all dimensions concerning doors, panels, windows, trusses and their openings prior to fabrication and construction.
- Typical interior partitions 2x4 wood studs with one layer 1/2" gypsum board both sides unless otherwise noted.
- Provide sheathing at all exterior frame walls as shown on drawings. Install in accordance with manufacturer's recommendations.
- Provide continuous footing drain tile along the building basement perimeter. Drain to positive outfall.
- Provide splash block at all downspouts to direct water away from building, or run downspout into sleeve connected to below-grade pipe directing water away from building.
- Provide minimum of one light fixture in roof trusses attic access.
- Soil Bearing capacity shall be minimum of 1500 PSF.
- Concrete : 3000 psi minimum.
- Minimum design loads shall be: 30 PSF Habitable Attics, 10 PSF Non Storage Attic, 30 PSF Roof, 40 PSF Stairs and Decks, 40 PSF ext Balconies, 30 PSF Sleeping rooms, 40 PSF Stairs, 40 PSF Non Bedroom Habitable space.
- Minimum design Wind Speed shall be 115 MPH, Ground Snow Load 30 PSF.
- Each bedroom shall have at least one window with a clear opening of 5.7 square feet. The minimum clear width shall be 20 inches and the minimum clear height shall be 24 inches. The sill height shall not be more than 44 inches above F.F.

**SCOPE OF WORK**

Provide New In-ground Pool 40'-0"x20'-0".  
 Disturbed area: 1,196 Square Feet  
 Volume excavation: 190 Cubic Yard

**BUILDING ANALYSIS**

1. Block.....	9999
2. Lot.....	1
3. Sq ft Area Lot.....	56,628
4. Sq ft Area New Pool.....	800

**INDEX**

- A-001 COVER BUILDING ANALYSIS & INDEX
- A-101 PROPOSED RESIDENTIAL POOL

<b>OWNER</b> TAKINA WILSON 4830 CASTLEBRIDGE RD ELLICOTT CITY, MD 21042 TELEPHONE: 410 591 4273	<b>DESIGN</b> MOYA DESIGN 611 GILMOURE DR SILVER SPRING, MD 20901 TELEPHONE 301 257 9359
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**APPLICABLE CODES**

2018 INTERNATIONAL RESIDENTIAL CODE

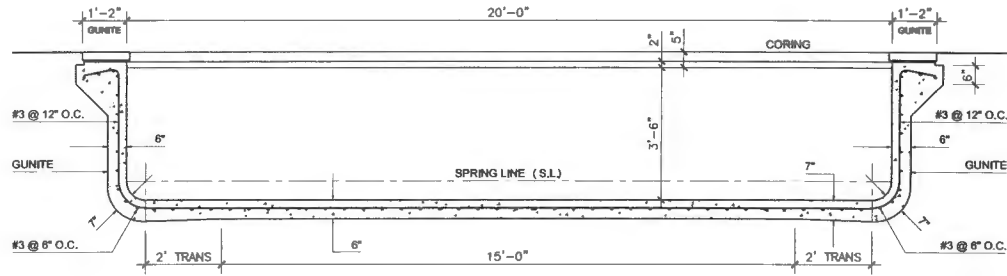
Professional Certification is hereby certified that these documents were prepared or supervised by the architect listed and such preparation shall be held in compliance with the laws of the State of Maryland, Chapter 29, §29-212. Expiration Date: 02/28/2025

**GENERAL NOTES:**

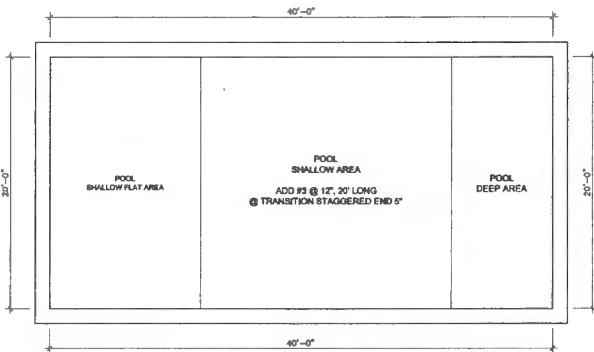
1. ALL WORK PER APPLICABLE STATE & LOCAL CODE
2. DESIGN ALLOWS POOL WALLS TO PROJECT 2.5' ABOVE SURROUNDING LEVEL.
3. SEE POOL DRAWINGS FOR PIPING, ELECTRICAL, EQUIPMENT, DRAINAGE & OTHER INFORMATION.
4. IF EXPANSIVE CLAY SOIL IS ENCOUNTERED, CONTACT SOIL STUDY ENGINEER.
5. WORK PER ISPSC 2018.
6. WALL DESIGN 45 PSF/F.
7. KEEP EXCAVATION FREE OF PONDING WATER.
8. EXCAVATION/SHORING CONSIDERATIONS BY OTHERS
9. STONE, STUCCO, MASONRY, WATERPROOFING AND PARGING BY OTHER. THIS IS POOL STRUCTURAL ONLY.
10. APPLIES TO DESING OF POOL AND FEATURES PER THE DRAWINGS DETAILS AND IS NOT AN ENDORSEMENT OF CONTRACTOR MEANS AND METHODS.

**MATERIALS:**

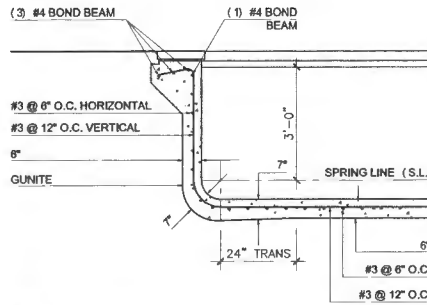
1. GUNITÉ, PNEUMATICALLY PLACED, 3500 PSI, 28 DAYS.
2. REINFORCE STEEL, ASTM-A615, GRADE 40, DEFORMED.



**7 POOL FLAT AREA SECTION ELEVATION**  
3/4" = 1'-0"

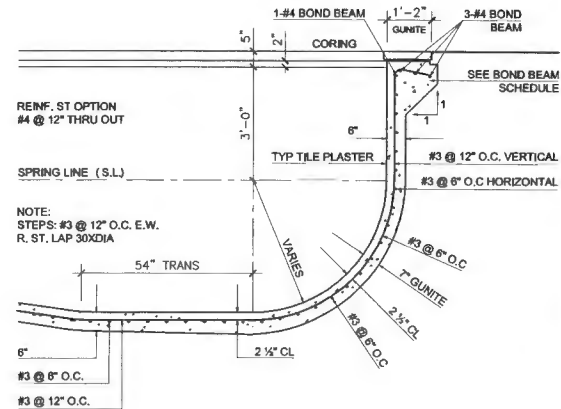


**1 POOL PLAN**  
3/4" = 1'-0"



NOTE:  
SHELL TO BEAR ON FIRM, ORIGINAL UNDISTURBED SOIL 2000 PSI ALLOWABLE RECOMMEND 4" COMPACT CRUSH STONE BASE #57-CLEAN

**5 SHALLOW SECTION DETAIL**  
3/4" = 1'-0"

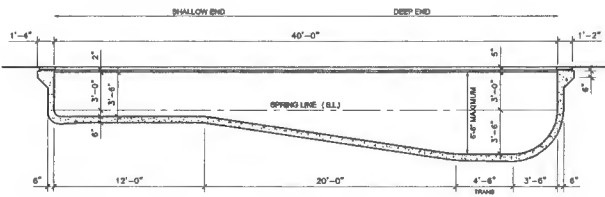


REINF. ST OPTION  
#4 @ 12" THRU OUT

SPRING LINE (S.L.)

NOTE:  
STEPS: #3 @ 12" O.C. E.W.  
R. ST. LAP 30XDIA

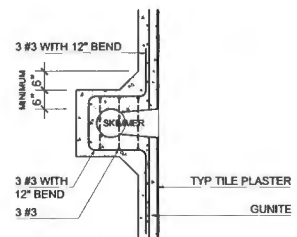
**6 DEEP SECTION DETAIL**  
3/4" = 1'-0"



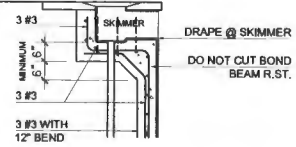
NOTE:  
POOL MAY BE OF FREE FORM TYPE, WITH ABOVE MAXIMUM DIMENSIONS  
KEEP EXCAVATION FREE OF PONDING WATER, KEEP TIME BETWEEN EXCAVATION & GUNITÉ TO MINIMUM  
ALL WORK PER LATEST EDITION OF GUNITÉ CONTRACTORS ASSOCIATION "GUNITÉ & SKOTCRETE"

**2 POOL SECTION ELEVATION**  
1/4" = 1'-0"

BOND BEAM SCHEDULE	TOP FACE
R. STEEL	
L > 35' - 40'	4 #4 3/1



**3 SKIMMER PLAN DETAIL**  
3/4" = 1'-0"



**4 SKIMMER SECTION DETAIL**  
3/4" = 1'-0"

DWG BY  
**MD**  
MOYA DESIGN  
301-257-9359

ISSUED  
NOVEMBER 27, 2023

REVISION


PROJECT NAME  
**WILSON RESIDENCE**

PROJECT ADDRESS  
4830 CASTLEBRIDGE RD  
ELLCOTT CITY, MD 21042

DRAWING NAME  
PROPOSED RESIDENTIAL POOL

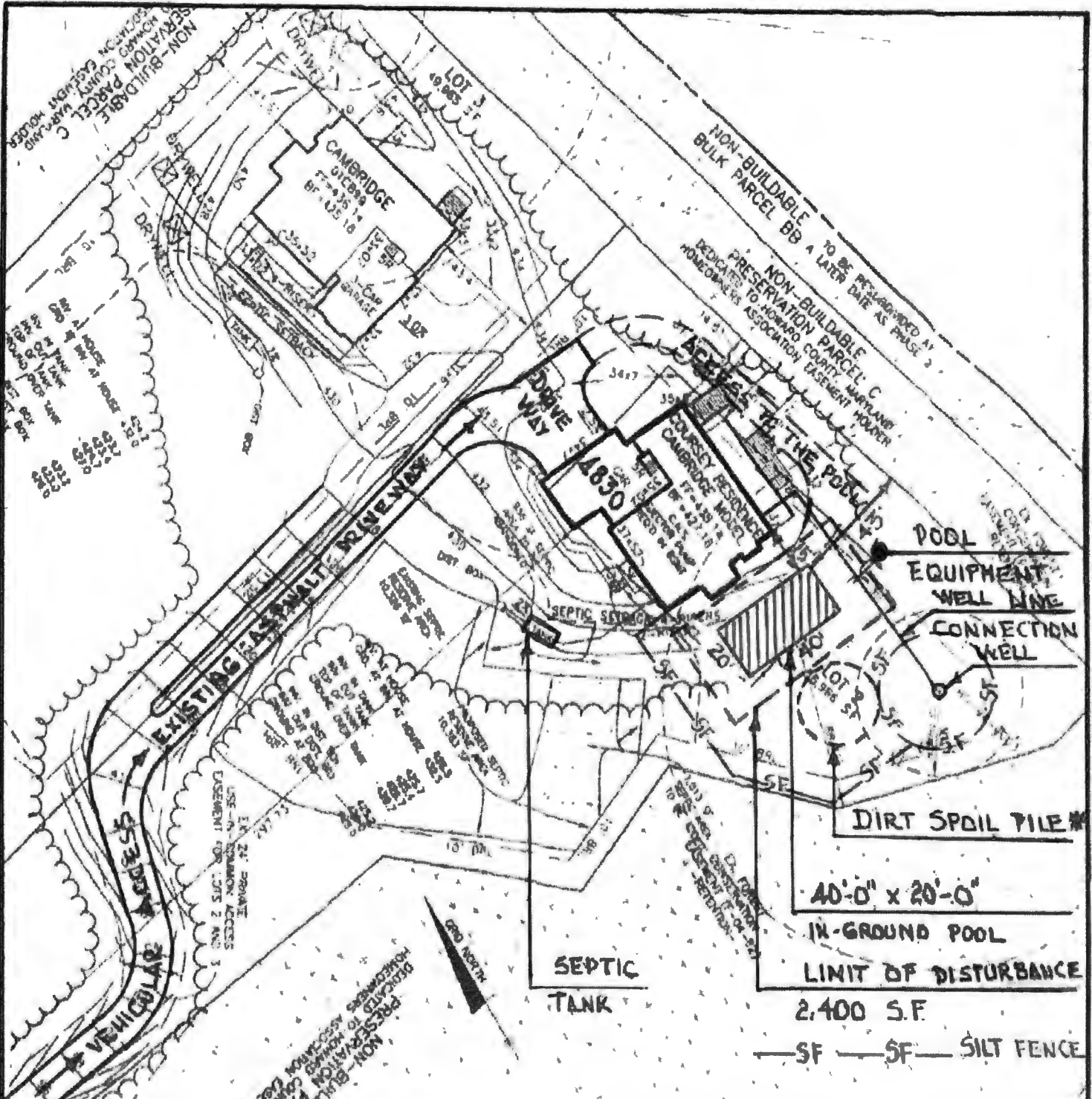
PLANS & SECTION DETAILS

SCALE  
1/4" = 1'-0"



"PROFESSIONAL CERTIFICATION"  
I hereby certify that I am a duly licensed Professional Engineer under the laws of the State of Maryland.  
License No. 27311  
Expiration Date: 04/2024

SHEET NUMBER  
**A-101**



**\* NOTE:**  
 SOIL DIRT WILL BE MOVED  
 OFF THE PROPERTY

RIVERWOOD  
 LOT 2

**BENCHMARK**  
 ENGINEERING, INC.

THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE 1" = 50' DATE 12 0

8480 DALTIMORE NATIONAL PIKE • SUITE 418 • ELICOTT CITY, MD 21043  
 PHONE 410-485 8103 • FAX 410 485 6844

## Eshenbaugh, Melanie

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**From:** Eshenbaugh, Melanie  
**Sent:** Friday, February 16, 2024 3:08 PM  
**To:** Rivasandsons1@gmail.com  
**Subject:** B24000049

Good afternoon,

After review of the building permit (B24000049) site plan, proposed work, and health department records, we kindly request that you submit a revised plot plan. The plan needs to show the pool equipment location, vehicular access, and dirt spoil pile location, to ensure that the vehicle equipment excavation process does not interfere with any well/septic components or the Sewage Disposal Area (SDA). Also, please show on the revised site plan, the well line connection to the house. Thank you kindly and hope you have a wonderful weekend.

Melanie Eshenbaugh  
Bureau of Environmental Health  
Howard County Health Dept.  
8930 Stanford Blvd. Columbia, MD 21045  
[www.hchealth.org](http://www.hchealth.org)



#### CONFIDENTIALITY NOTICE

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## **Application Acceptance Response Comments**

**Permit #B24000049**

**Dear Mrs. Lisa Logan-Rousell**

1. Please provide us with depth range of the pool, currently the only depth information provided is 6'-11". Is the pool all the same depth or is there a shallow end?. If so what is the depth of the shallowest portion of the pool?

R: The pool has two levels.

Shallow end has a total height of 3'-11".

The deep end of the pool has a total height of 6'-11".

Average pool height is 5'-5".

LAYOUT 10/10/07 INSP 4 \_\_\_\_\_  
INSP 2 10/18/07 INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 9/10/2007

P 527335

APPROVAL DATE: 10/19/07

A 516084

# PERMIT

*Logged Into Permit Manager*  
TAX ID # 03345041

## ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: PO Box 519, Annapolis Junction PHONE NUMBER: 301-490-4289

SUBDIVISION: Riverwood LOT NUMBER: 2

ADDRESS: 4830 Castlebridge Rd PROPERTY OWNER: Winchester Homes

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: \_\_\_\_\_

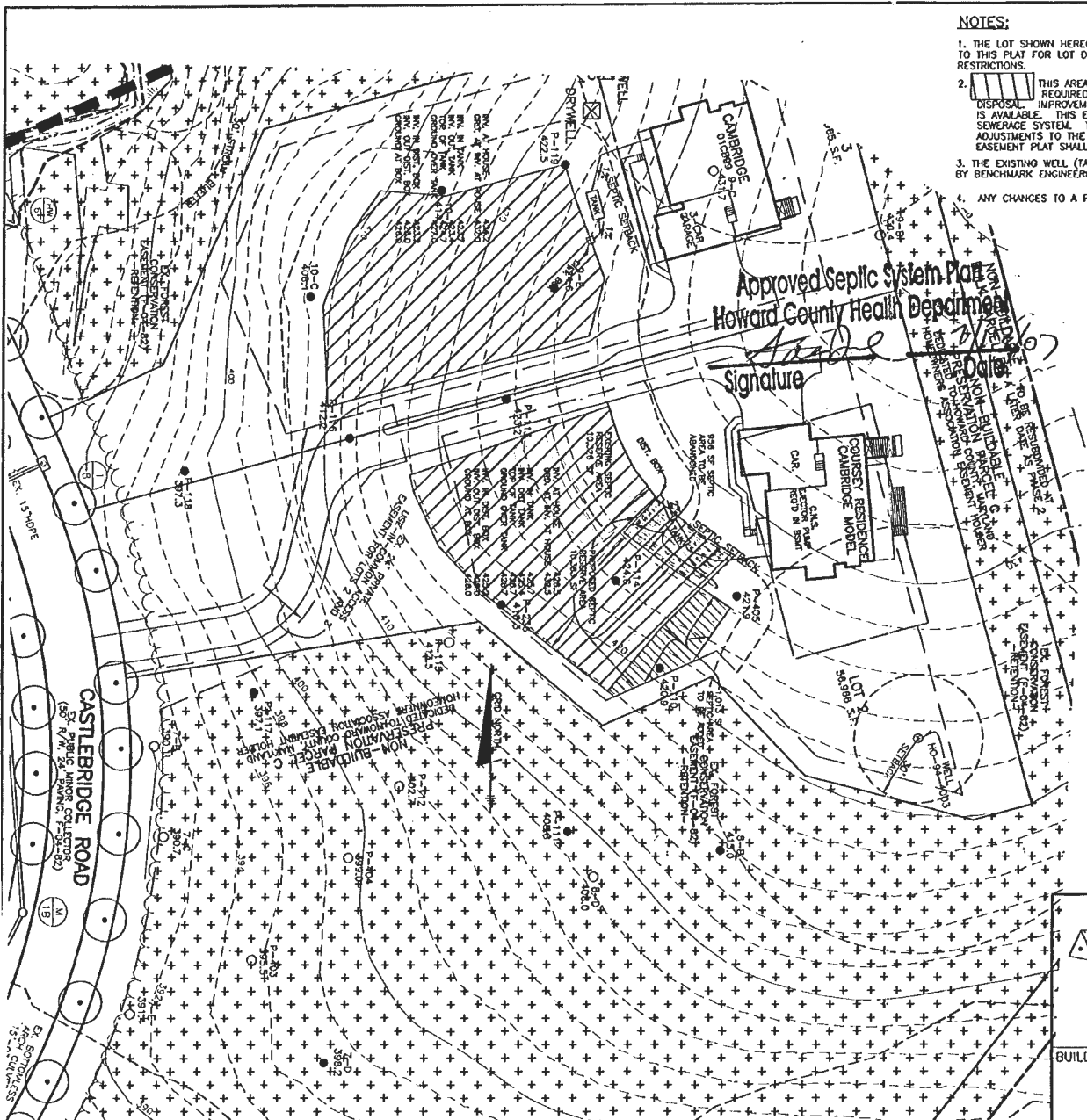
LINEAR FEET OF TRENCH REQUIRED: 214

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	
NOTES:	Install system per plan unless directed by HCHD. Layout inspection prior to installation.

PLANS APPROVED: Sara Fegel DATE: 7/13/07

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON 2-18-08 AS PLAT NUMBER 18035. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
  2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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 SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
  3. THE EXISTING WELL (TAG NO. HO-94-4003) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON OR ABOUT 6-8-2005 AND IS ACCURATELY SHOWN.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

Approved Septic System Plan  
 Howard County Health Department  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- ⊙ FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER P-03-010
- FAILED PERCOLATION TEST PER P-03-010



APPROVED:  
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*B. Nelson for Peter Beilensen, MD* 7/24/07  
 COUNTY HEALTH OFFICER DATE

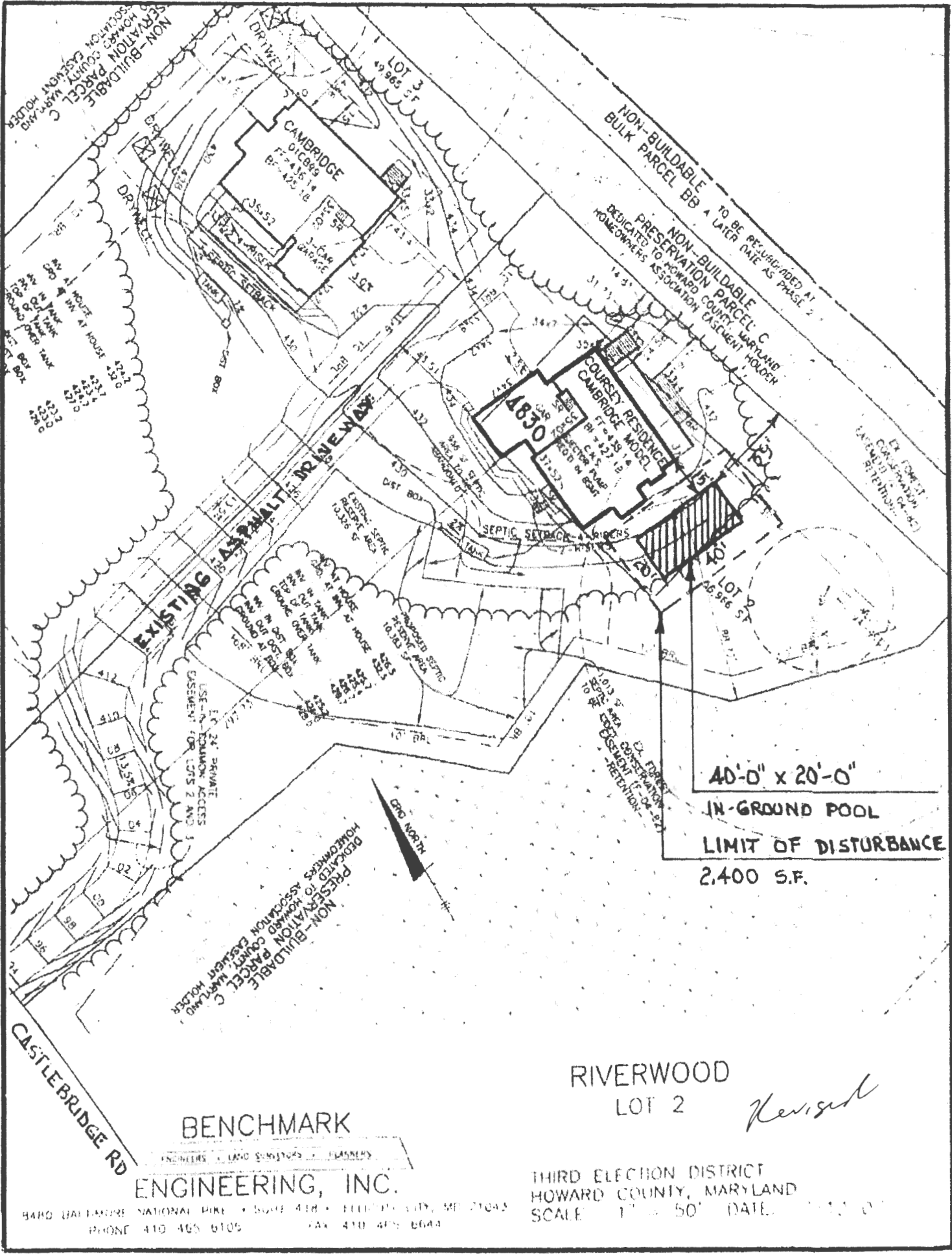
**BENCHMARK**  
 ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**  
 8480 BALTIMORE NATIONAL PIKE & SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 PHONE: 410-465-8105 FAX: 410-465-6844  
 www.bel-chiengineering.com

**RIVERWOOD**  
**LOT 2**  
 12060 OPEN RUN ROAD, ELLICOTT CITY, MD 21042  
 TAX MAP 29, GRIDS 3, 4, 9 & 10 - PARCEL 20  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

BUILDER: CAMBERLEY HOMES, INC.  
 6905 ROCKLEDGE DRIVE  
 SUITE 800  
 BETHESDA, MARYLAND 20817  
 301-803-4929

**Site Plan & REVISED PERCOLATION CERTIFICATION PLAN**

DATE: JULY 12, 2007	PROJECT NO. 1950
SCALE: 1" = 50'	DRAWING 1 OF 1



40'-0" x 20'-0"  
 IN-GROUND POOL  
 LIMIT OF DISTURBANCE  
 2,400 S.F.

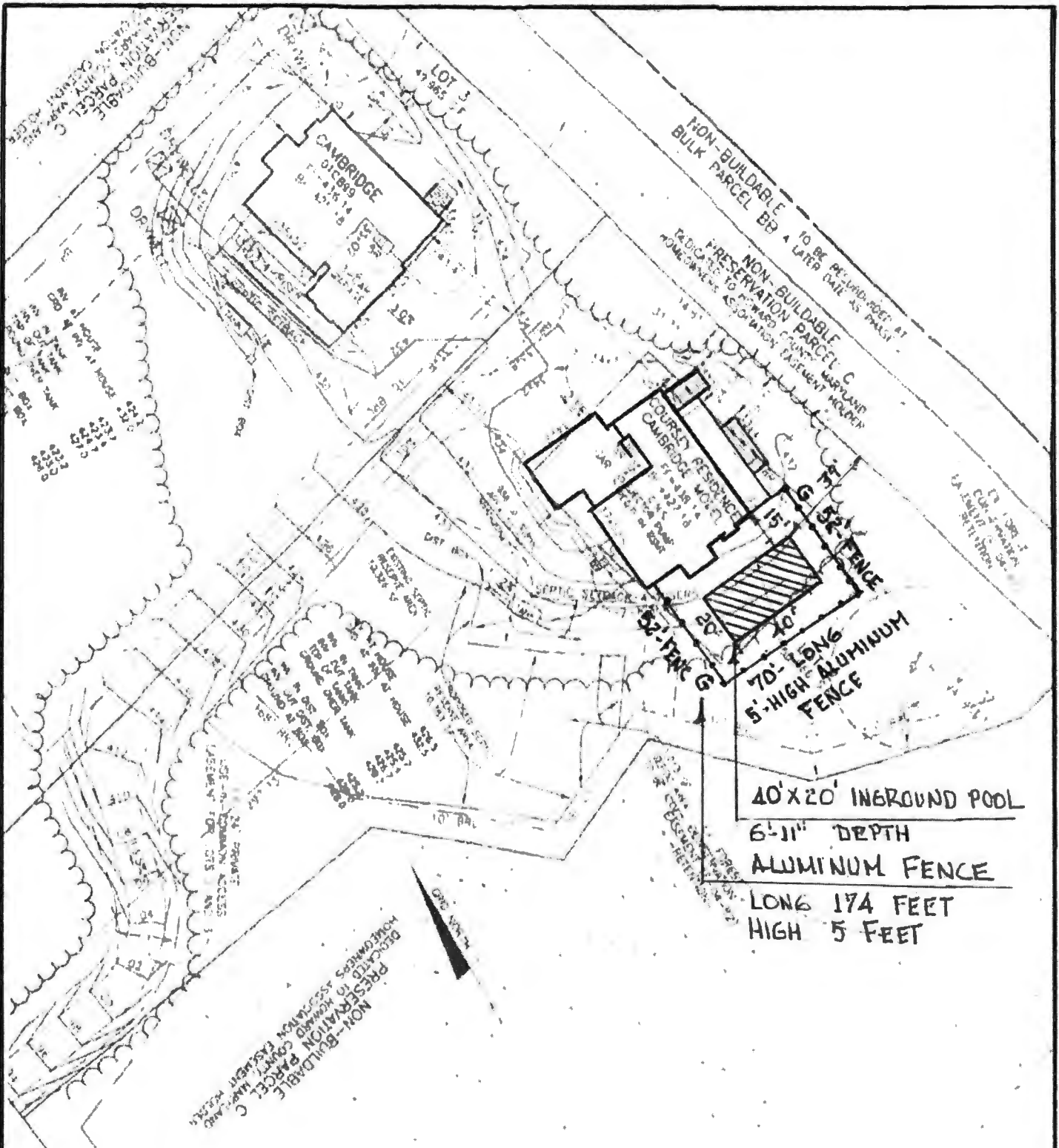
RIVERWOOD  
 LOT 2

*Revised*

BENCHMARK  
 ENGINEERING, INC.

THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE 1" = 50' DATE 11/11/07

9400 DALLAMORE NATIONAL PIKE • SUITE 418 • ELLETTTS CITY, MD 21043  
 PHONE 410 465 6105 FAX 410 465 6644

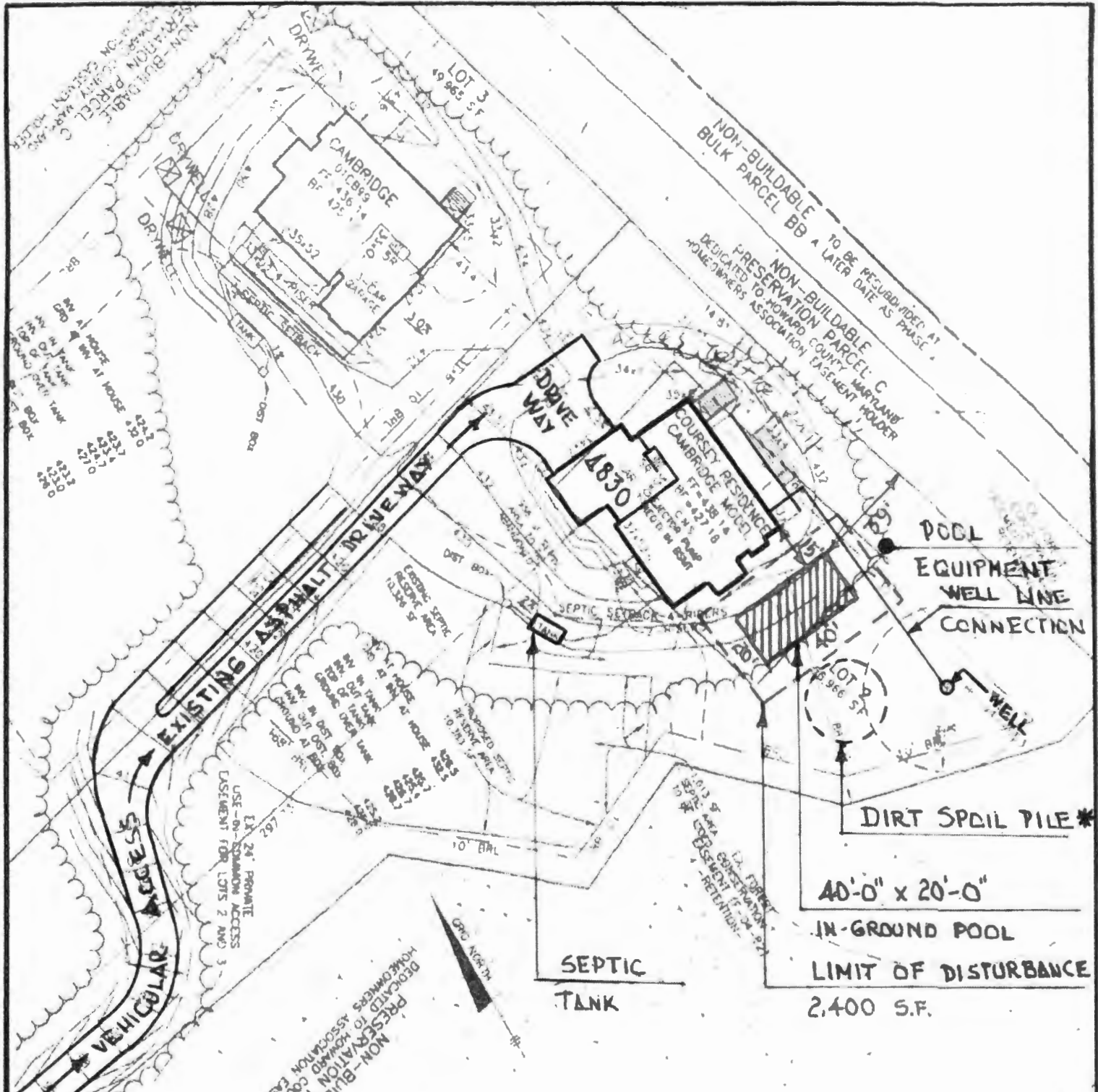


RIVERWOOD  
LOT 2

BENCHMARK  
ENGINEERING, INC.

THIRD ELLIOTTON DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE 1" = 50' DATE

4400 BALTIMORE NATIONAL DRIVE • BALTIMORE, MD 21206 • PHONE 410-485-0155



POOL  
EQUIPMENT  
WELL LINE  
CONNECTION  
WELL

DIRT SPOIL PILE\*

40'-0" x 20'-0"  
IN-GROUND POOL  
LIMIT OF DISTURBANCE  
2,400 S.F.

\* NOTE:  
SOIL DIRT WILL BE MOVED.  
OFF THE PROPERTY

RIVERWOOD  
LOT 2

*Revisit*

BENCHMARK  
ENGINEERING, INC.

THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE 1" = 50' DATE