

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045
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www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME ESTATES AT RIVER HILL
PROPERTY ADDRESS 13550 ALLNUTT Lane, Highland MD 20777

TAX ACCOUNT # 05-392284 TAX MAP 34 GRID 23 PARCEL 389 LOT NO. 14 PROPOSED LOT SIZE (ACRES) ONE ACRE
ZONING CATEGORY RR-DEC TIER III

PROPERTY OWNER(S) Rene Gelber
DAYTIME PHONE 301-919-2615 CELL 301-919-2615 EMAIL N/A
MAILING ADDRESS 13550 ALLNUTT LN, Highland, MD 20777

APPLICANT Tim Keane RELATIONSHIP TO OWNER: CONTRACT purchaser
DAYTIME PHONE 410-480-0023 CELL 443-324-9806 EMAIL tkeane@trinityhomes.com
MAILING ADDRESS 3625 Park Ave E.C, 21043

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

- PROPERTY:
SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 17
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

- BUILDING:
RESIDENTIAL WITH EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT [Signature] DATE 10/28/15



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Foakes Well Pump & Water Treatment, LLC Telephone #: 410-795-5170  
Address: 590 Obrecht Rd  
Sykesville, MD 21784

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer   
License # and name of individual responsible for the field installation:

Name (Print): David C. Foake License #: MSD226

\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Trinity Homes Telephone #: 443-324-9806  
Subdivision: Estates on River Hill Lot #: 14 Well Tag #: HO-17-0338 ✓  
Site Address: 13608 Olney Way  
Highland, MD 20777

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Camper 11</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>7460S422</u>	Model #: <u>NA</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>7</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>8.5</u> GPM	NSF/WSC approved: <u>YES</u>	Conduit min 1 1/2" E.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>300'</u> (Feet); Conduit secured to well cap: <u>YES</u>		
If pump capacity exceeds well yield, a low water cutoff switch is required by NSPC 1990 Section 17.2.4		
Tongue anastomosis, Cable guards, or other acceptable method used - Must circle one		
Safety rope, if used, attached to brass rope adaptor or other acceptable method inside of well casing: <u>NA</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" poly pipe</u>	PVC sleeve to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>200 (60 psi min)</u>	Length of sleeve (5" minimum from foundation): <u>1'</u>
Depth of supply line: <u>36"</u> (36" min)	Sleeve sealed properly: <u>YES</u>

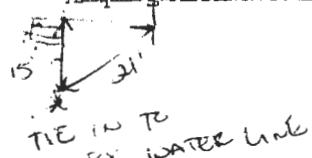
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 4/18/19

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 04/09/2019 Date Insp. Approved: 04/09/2019 Inspector: [Signature]  
Inspection Date: 04/09/2019  
Pitless adapter watertight & water supply line at least 36" below grade: ✓  
Two piece cap installed and attached to casing securely: ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly: ✓ 55"  
Safety rope not outside of well casing: ✓  
Correct well tag attached properly and casing 8" above finished grade: ✓ 33"  
Water supply line sleeved adequately at house connection: ✓  
Adequate grout observed below pitless adapter: ✓

EX HOUSE  
04/09/2019



4/9/2019  
WATERLINE SLEEVED UNDER  
USE IN COMMON DRIVE  
EX WELL (HO-73-4317) APPEARS ABANDONED

## Real Property Data Search

## Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption			View GroundRent Registration						
<b>Tax Exempt:</b>		<b>Special Tax Recapture:</b>									
<b>Exempt Class:</b>		NONE									
<b>Account Identifier:</b>		District - 05 Account Number - 392284									
Owner Information											
<b>Owner Name:</b>		ESTATES AT RIVER HILL LLC			<b>Use:</b>		RESIDENTIAL				
<b>Mailing Address:</b>		3675 PARK AVE STE 301 ELLCOTT CITY MD 21043-			<b>Principal Residence:</b>		NO				
					<b>Deed Reference:</b>		/18487/ 00262				
Location & Structure Information											
<b>Premises Address:</b>		13550 ALLNUTT LN HIGHLAND 20777-0000			<b>Legal Description:</b>		LOT 1 42.410 A 13550 ALLNUTT LN GREENE PROPERTY				
<b>Map:</b>	<b>Grid:</b>	<b>Parcel:</b>	<b>Sub District:</b>	<b>Subdivision:</b>	<b>Section:</b>	<b>Block:</b>	<b>Lot:</b>	<b>Assessment Year:</b>	<b>Plat No:</b>	<b>Plat Ref:</b>	5208
0034	0023	0389		0000			1	2017			
<b>Special Tax Areas:</b>				<b>Town:</b>		NONE					
				<b>Ad Valorem:</b>		100					
				<b>Tax Class:</b>							
<b>Primary Structure Built</b>		<b>Above Grade Living Area</b>		<b>Finished Basement Area</b>		<b>Property Land Area</b>		<b>County Use</b>			
1985		4,370 SF				42.4100 AC					
<b>Stories</b>	<b>Basement</b>	<b>Type</b>	<b>Exterior</b>	<b>Full/Half Bath</b>	<b>Garage</b>	<b>Last Major Renovation</b>					
2	YES	STANDARD UNIT	WOOD SHINGLE	3 full/ 2 half	1 Attached						
Value Information											
		<b>Base Value</b>		<b>Value</b>		<b>Phase-in Assessments</b>					
				As of		As of		As of			
				01/01/2017		07/01/2018		07/01/2019			
<b>Land:</b>		1,479,800		1,473,800							
<b>Improvements</b>		512,400		526,700							
<b>Total:</b>		1,992,200		2,000,500		1,997,733		2,000,500			
<b>Preferential Land:</b>		0						0			
Transfer Information											
<b>Seller:</b> GELBER RENE			<b>Date:</b> 12/17/2018			<b>Price:</b> \$3,000,000					
<b>Type:</b> ARMS LENGTH IMPROVED			<b>Deed1:</b> /18487/ 00262			<b>Deed2:</b>					
<b>Seller:</b> GELBER RENE L TRUSTEE			<b>Date:</b> 07/20/2018			<b>Price:</b> \$0					
<b>Type:</b> NON-ARMS LENGTH OTHER			<b>Deed1:</b> /18281/ 00211			<b>Deed2:</b>					
<b>Seller:</b> GELBER RENE L			<b>Date:</b> 06/09/1999			<b>Price:</b> \$0					
<b>Type:</b> NON-ARMS LENGTH OTHER			<b>Deed1:</b> /04772/ 00265			<b>Deed2:</b>					
Exemption Information											
<b>Partial Exempt Assessments:</b>		<b>Class</b>		07/01/2018		07/01/2019					
<b>County:</b>		000		0.00							
<b>State:</b>		000		0.00							
<b>Municipal:</b>		000		0.00 0.00		0.00 0.00					
<b>Tax Exempt:</b>		<b>Special Tax Recapture:</b>									
<b>Exempt Class:</b>		NONE									
Homestead Application Information											

## Bricker, Robert

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**From:** Bricker, Robert  
**Sent:** Friday, April 12, 2019 2:24 PM  
**To:** 'tkeane@trinityhomes.com'  
**Subject:** The Estates at River Hill-Lot 14\_number of bedrooms

Good afternoon Tim. While checking the feasibility of the old trench locations at the Gelber Property yesterday, I noticed that the installation permit from 1982 stated that the number of bedrooms is '6'(six). Based on the information you provided, the onsite sewage disposal system design is for '5'(five) bedrooms. There is potential for the owner (or any future owner) to have problems with obtaining a building permit in the future in that we could ask for floor plans and find that there are six rooms that fit the Code definition of bedroom. In such a situation, our requirement would be either that the floor plan be modified, or that the septic system be upgraded by installing a larger septic tank and adding at least 26 more feet of trench.

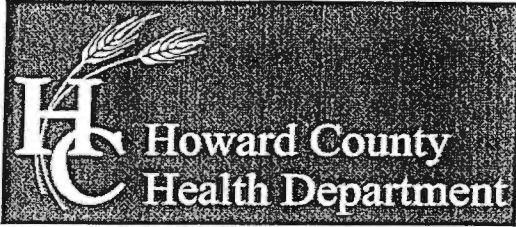
ROBERT BRICKER, REHS/R.S., L.E.H.S.  
ENVIRONMENTAL SANITARIAN II  
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774  
Fax: 410-313-2648

E-mail: [rbricker@howardcountymd.gov](mailto:rbricker@howardcountymd.gov)

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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Allnut Lane

Subdivision: Gelber Property Lot: 14

Initial system: <sup>2062205</sup> Application rate: 1.2 Effective area beginning depth: 6' Bottom maximum depth: 8'  
 1<sup>st</sup> Replacement: <sup>2062205</sup> Application rate: 1.2 Effective area beginning depth: 6' Bottom maximum depth: 8'  
 2<sup>nd</sup> Replacement: <sup>1461501147</sup> Application rate: 0.8 Effective area beginning depth: 5' Bottom maximum depth: 8'

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage × sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

*Repair Permit* abandon existing effluent line, remove existing Distribution Box, and seal pipes leading to existing trenches. Install trenches for 6 Bedrooms; 2x78', D-Box in center.

Approved: R Bricker Date: 6/8/16

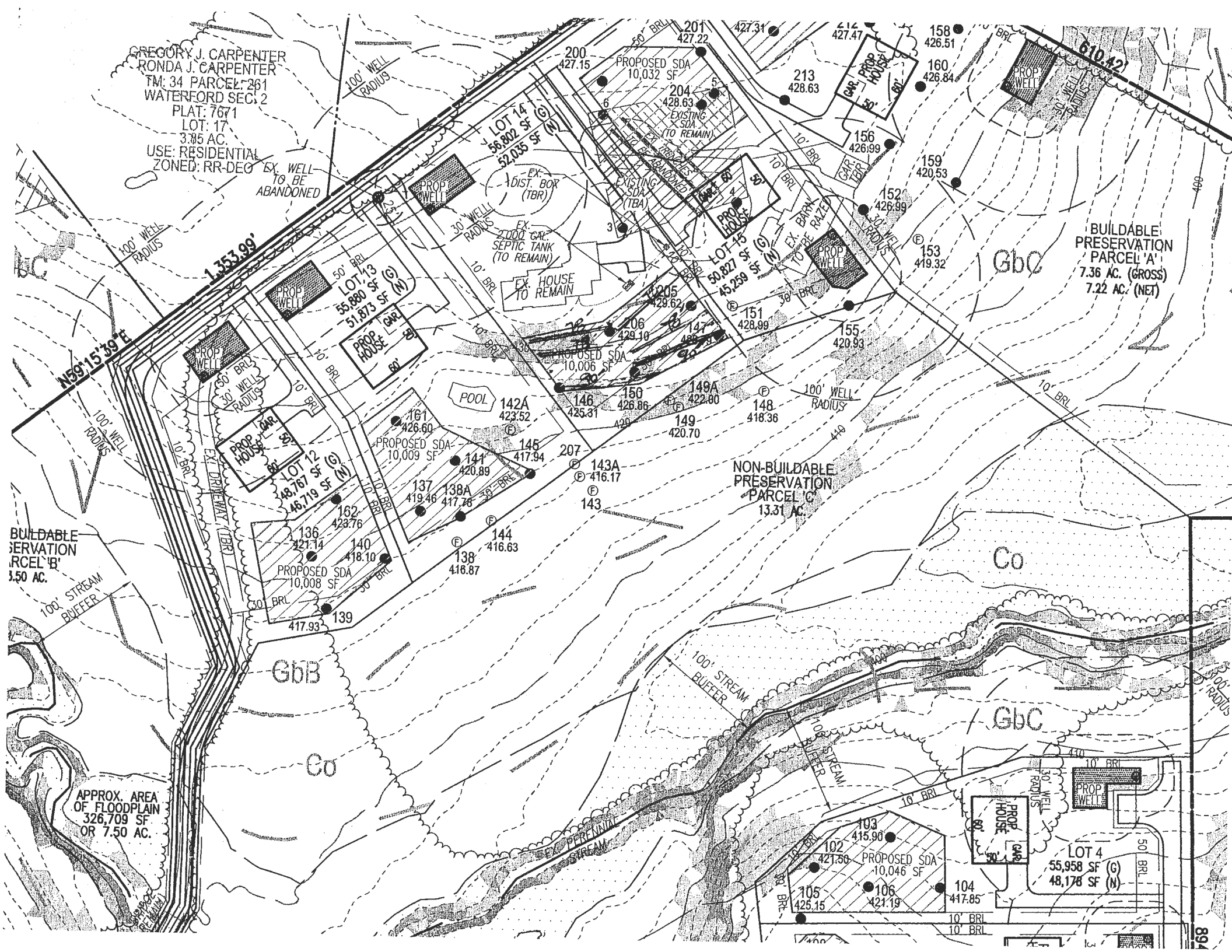
GREGORY J. CARPENTER  
 RONDA J. CARPENTER  
 TM: 34 PARCEL: 261  
 WATERFORD SEC. 2  
 PLAT: 7671  
 LOT: 17  
 3.85 AC.  
 USE: RESIDENTIAL  
 ZONED: RR-DEG

BUILDABLE  
 PRESERVATION  
 PARCEL 'A'  
 7.36 AC. (GROSS)  
 7.22 AC. (NET)

NON-BUILDABLE  
 PRESERVATION  
 PARCEL 'C'  
 13.31 AC.

BUILDABLE  
 PRESERVATION  
 PARCEL 'B'  
 1.50 AC.

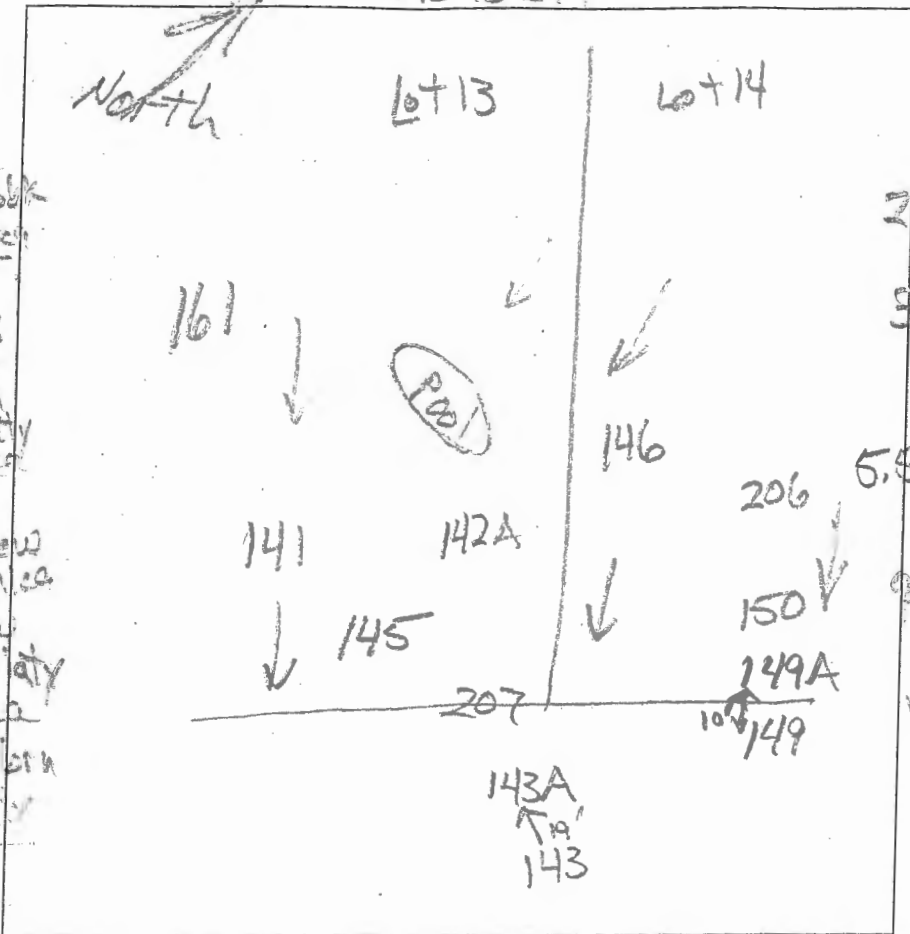
APPROX. AREA  
 OF FLOODPLAIN  
 326,709 SF  
 OR 7.50 AC.





Lots 13 & 14

149



AP

146

0.7' red-brn L, 2' ssbk

1.5' red cl, 2' msbk SS few mica

3' red cl thin plat, SS

4' red L, thin plat, SS, few mica

5' yel-red sl thin plat, few mica

10.7' red-yellow ls, thin plat, few mica

12' brn & pale bn ls, thick plat

143A

1' dk brn to brn L, 2' ssbk

2.1' brn L 2' ssbk, SS

3.5' brn L 7' msbk, SS

5.5' yel-red & brn L, thin plat, SS

11.5' red, yellow & pale brn L, thin plat, SS

150

brn L 3' ssbk

0.5' dk grey brn L, 2' ssbk

1.6' red-brn 2' msbk SS

3.1' yel-brn L, thin plat, SS, moist & 2' SS (pale brn)

4.2' yel-red sl, thin plat, SS m2d (grey)

6' yel-red vcl sl, thin plat, SS m2d (grey)

8.3' yel-red & dk brn ls, common mica

11' yel-red, brn & pale yellow ls; water

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/15/15	146	7' 1/2	3:23	3:35	3:55	20	P
12/15/15	143A	3.8' / 11'	3:38	4:08			F
12/15/15	149	7' 1/2	3:56	4:26			F
12/15/15	150	5.7' / 12'	4:10	4:14	4:20	6	P

0.4' red L 2' ssbk common mica

2.8' red L, SS thick plat, common mica

4' red L, SS thin plat, common mica

4.5' red & yel-red sl, thick plat, common mica

6.7' red, yel-red & dk. brn ls, thin plat, many mica

12' yel-red, brn & pale brn ls, thick plat, mica

REMARKS \_\_\_\_\_

SANITARIAN R Bricker BACKHOE Trinity Homes OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

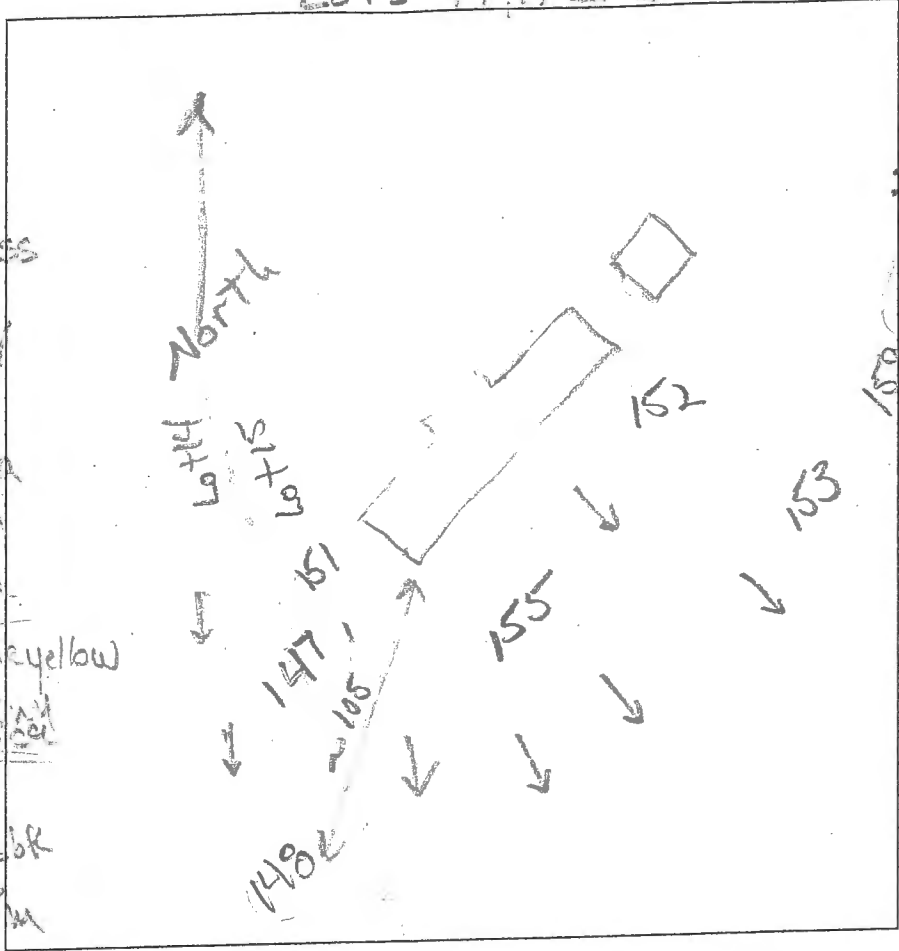
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



Lots 14, 15 & 16

A/P

(152)  
 0.5' dk brn ch  
 2x sbk  
 1.7' brn & red  
 chel, 3 sbk, ss  
 3.8' red L, thin  
 dense, platy, ss  
 6.5' yel-red sl  
 thick plat  
 common mica  
 red-yel & brn  
 thin plat, sl  
 many mica  
 dense  
 7.4' pale red, pale yellow  
 & grey brn ls  
 thin plat, mica



159  
 0.5' dk brn L  
 2x sbk  
 red L  
 2.5' 2x sbk, ss  
 red-yel  
 & brn sl, ss  
 thin platy  
 4' red-yel & brn  
 1.5', thick  
 platy  
 many mica  
 several layers  
 of fill 1/2-8"  
 thick

(153)  
 0.2' dk brn L, 2x sbk  
 0.8' yel-brn L, 2x sbk  
 2.5' brn L, 2x sbk, ss  
 yel-red & brn  
 L, thick platy  
 ss, common  
 mica  
 5.4' yel-red & brn  
 sl, thick platy  
 many mica

(155)  
 0.2' dk grey/muck  
 red & brn  
 L, 3x mica, ss  
 1.5' red sl, platy  
 thick platy  
 ss common  
 mica  
 3' red-yel, pale brn  
 & grey-brn  
 sl, ss  
 <30% rock

3.8' brn & pale brn  
 L, thick  
 platy  
 12' (148)  
 dk brn  
 & dk. grey-brn  
 L, 2x sbk  
 0.2' brn L, 3x sbk  
 ss  
 1.8' mixed brn  
 & dk. grey-brn  
 L, few mica  
 2.5' yel-red sl  
 brn, dense  
 common mica  
 5'

5.8' pale yellow  
 L, thin platy  
 few mica  
 12' (148 cont.)  
 5' red-yel,  
 pale brn & grey-brn  
 L, thin platy  
 dense, few mica  
 8.5' pale brn  
 L, ss  
 12' yellow sl, ss  
 thick platy

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/16/12	152	8 1/2'	12:17	12:38	1:08	30	P
12/16/12	153	6 1/2'	12:31	12:39	no more muck rock left		
reshelf	153	8 1/2'	1:09	1:37			F
12/16/12	159	4 1/2'	12:43	12:54	1:07	15	P
12/16/12	155	4 1/2'	1:13	1:15	1:19	4	D
12/16/12	148	7 1/2'	1:43	2:21			F

REMARKS \_\_\_\_\_  
 SANITARIAN R Brickner BACKHOE Trinity Homes OTHERS Tim Keane  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_