

30
 dk grey-brn sl 2' f/sbk 8.4'
 brn loam 3' f/sbk 11.5'
 yel-red sl f/sbk 2.1'
 yel-red fs common fine mica, dense 5.1'
 grey-brn sl 11'
 pale yellow sl 11'
 C3d grey
 C2d yel-red

slight sticky

water 12'

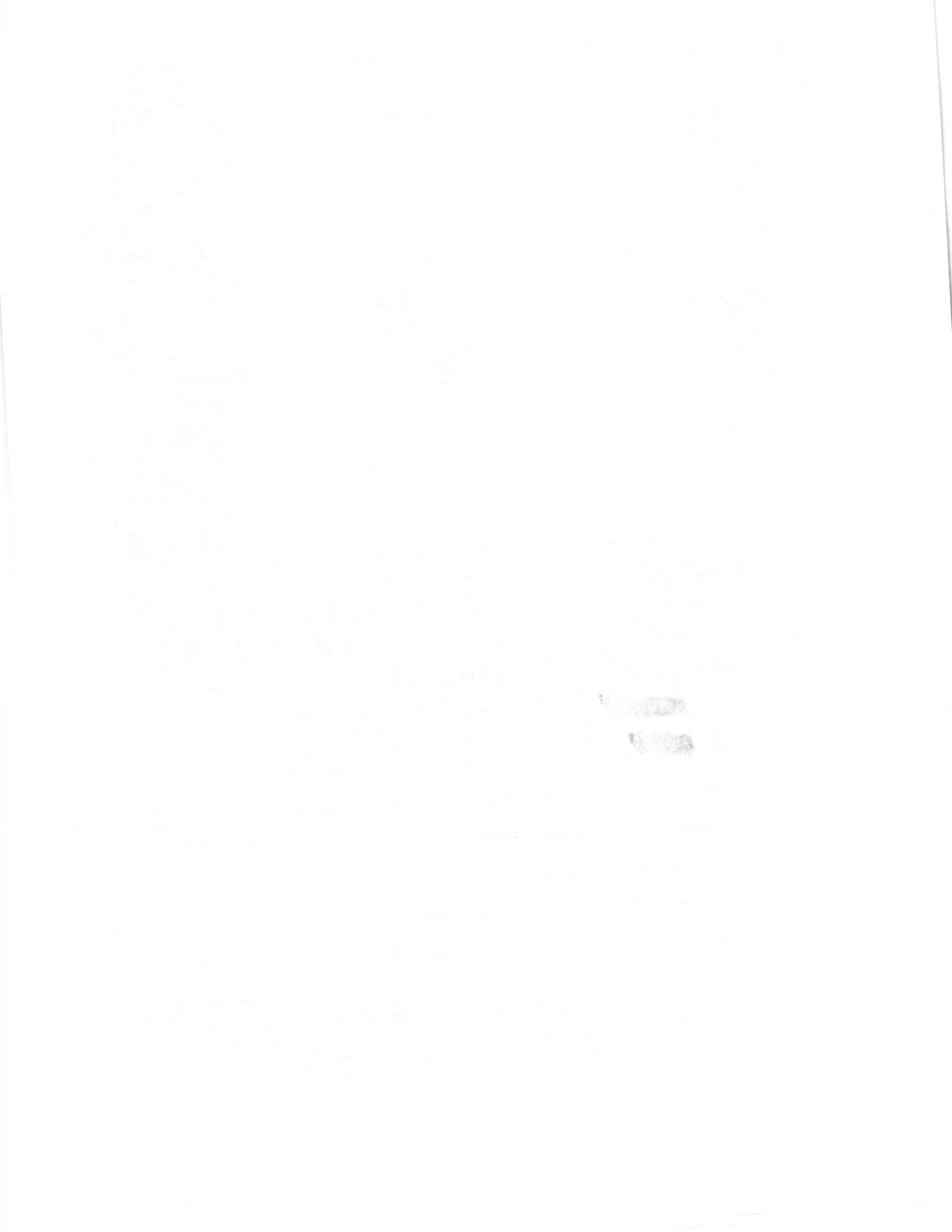
29R
 dk grey-brn sl 2' f/sbk TO 3' f/sbk 0.8'
 brn sl 3' f/sbk 0.9'
 yel-red fs common mica dense sl 4.1'
 grey-brn sl micaceous 8'
 H grey-brn ls w/ yel-red strata 12.5'
 many mica

29A
 dk brn sl 0.2'
 brn loam 3' f/sbk 1'
 yel-red sl 3' f/sbk 1.5'
 yel-red sl dense common mica 2.7'

brn sl micaceous 6'
 H grey-brn & yel-red ls, many mica 11.2'
 pale yellow & grey w/ yel-red strata 11.8'
 water

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/12/11	30	6' 11"	10:39	10:57	pulled	reshelf	
5/12/11	30	6.8' 11"	11:01	11:05	11:13	8	P
5/12/11	29B	4.5' 12.5'	0	1.5	3.6	2.1	P
5/12/11	29A	3.7' 11.2'	11:40	11:43	11:48	5	P

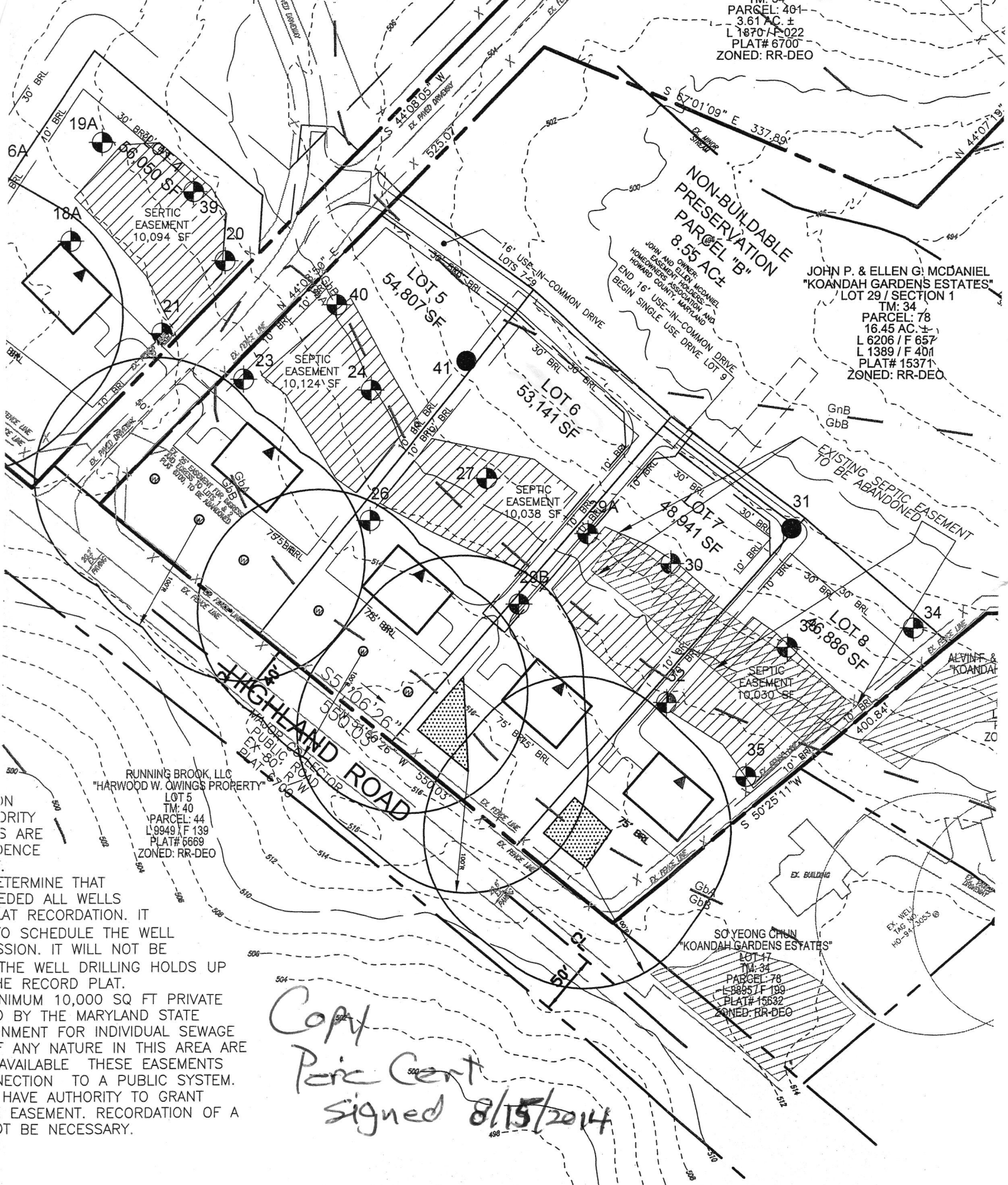
REMARKS _____
 SANITARIAN RB BACKHOE Chuck Zeff OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH 2' INLET DEPTH 3' MAX. BOT DEPTH 7' EFFECTIVE SW _____



IM-34
 PARCEL: 461-
 3.61 AC ±
 L 1870 / F 022
 PLAT# 6700
 ZONED: RR-DEO

JOHN P. & ELLEN G. MCDANIEL
 "KOANDAH GARDENS ESTATES"
 LOT 29 / SECTION 1
 TM: 34
 PARCEL: 78
 16.45 AC ±
 L 1389 / F 657
 PLAT# 15371
 ZONED: RR-DEO

NON-BUILDABLE
 PRESERVATION
 PARCEL "B"
 8.55 AC ±

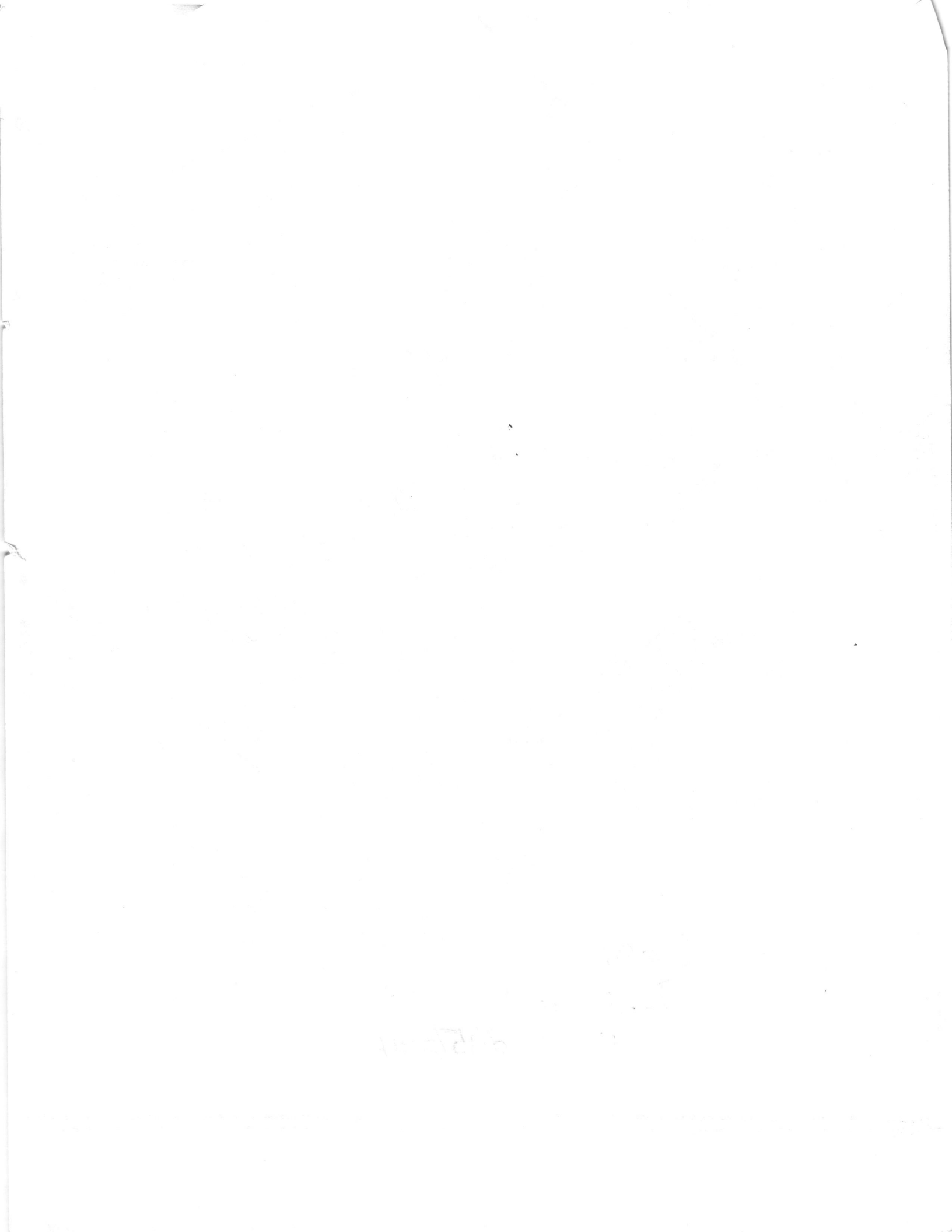


RUNNING BROOK, LLC
 "HARWOOD W. OWINGS PROPERTY"
 LOT 5
 TM: 40
 PARCEL: 44
 L 9949 / F 139
 PLAT# 6669
 ZONED: RR-DEO

SO YEONG CHUN
 "KOANDAH GARDENS ESTATES"
 LOT 17
 TM: 34
 PARCEL: 78
 L 38857 / F 199
 PLAT# 15632
 ZONED: RR-DEO

DETERMINE THAT
 RECORDED ALL WELLS
 AT RECORDATION. IT
 TO SCHEDULE THE WELL
 ASSIGN. IT WILL NOT BE
 THE WELL DRILLING HOLDS UP
 THE RECORD PLAT.
 MINIMUM 10,000 SQ FT PRIVATE
 BY THE MARYLAND STATE
 INCREMENT FOR INDIVIDUAL SEWAGE
 OF ANY NATURE IN THIS AREA ARE
 AVAILABLE THESE EASEMENTS
 SECTION TO A PUBLIC SYSTEM.
 HAVE AUTHORITY TO GRANT
 EASEMENT. RECORDATION OF A
 NOT BE NECESSARY.

Copy
 Peric Cert
 signed 8/15/2014



From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Monday, January 6, 2025 1:01 PM
To: Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>; Rob Vogel <Rob.Vogel@timmons.com>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Cc: Bruce Harvey <BruceHarvey@williamsburgllc.com>
Subject: RE: McDaniel Lot 6

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello all. I'll look into it and let you know
Jeff

From: Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>
Sent: Monday, January 6, 2025 11:51 AM
To: Rob Vogel <Rob.Vogel@timmons.com>; Williams, Jeffrey <jewilliams@howardcountymd.gov>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Cc: Bruce Harvey <BruceHarvey@williamsburgllc.com>
Subject: RE: McDaniel Lot 6

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Zack and Jeff,

Attached are the original trench design specs for lot 6 issued on 09/19/16 by Robert Bricker.

Jeremiah Reynolds
Designer

VOGEL ENGINEERING + TIMMONS GROUP | www.timmons.com
3300 North Ridge Road, Suite 110 | Ellicott City, MD 21043
Office: 410.461.7666 | Fax: 410.461.8961
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To send me files greater than 20MB [click here](#).

From: Rob Vogel <Rob.Vogel@timmons.com>
Sent: Monday, January 06, 2025 11:37 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Cc: Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>; Bruce Harvey <BruceHarvey@williamsburgllc.com>
Subject: McDaniel Lot 6

Zack and Jeff

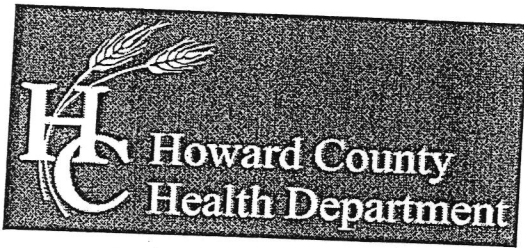
Attached is the original spec sheet published in 2011 and a new spec sheet which was just sent to us. This results in a substantial change in effective area. This lot was purchased based on the originally published data. Please verify that we can utilize the original spec sheet. Thanks, Rob

Robert H. Vogel P.E., M.ASCE
Principal

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3300 N. Ridge Road, Suite 110 | Ellicott City, MD 21043

Office: 410.461.7666 | Fax: 410.461.8961
<https://www.linkedin.com/company/timmons-group>
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 www.hchealth.org
 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: McDaniel Property Lot: 6

Initial system: Application rate: 0.8 Effective area beginning depth: 3.0 Bottom maximum depth: 8

23,24 1st Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 7.6

24,40 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 7.6

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 x 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: BAT unit

Approved: R Bricker

Date: 9/19/2016

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

December 31st, 2024

TO: Robert Vogel (Timmons-VEI) via E-mail: Rob.Vogel@timmons.com
Jeremiah.Reynolds (Timmons) via E-mail: Jeremiah.Reynolds@timmons.com

RE: OSDS Plan 12958 (McDaniel Prop. "Lot 6")

OSDS Revision Comments

1. We need a scale 1:30 or 1:40 that focuses more on the desired property.
2. New spec sheet will alter the calculations and trench details. Those will have to be modified.
 - a. See attached.
3. Trench details need to be labeled more clearly with appropriate language.
 - a. All zones detailed.
4. Remove note #9.
5. It is suggested to remove bends, not entirely necessary for this lot.
 - a. Can get on contour better.
 - b. If you do show bends, they need to be called out with degree fitting and should be uniform through system.

Thank you for your time and consideration.

Zack Silvast

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division
410-313-1777

Environmental Health Bureau Howard County Health Department

VOGEL ENGINEERING ⊕ **TIMMONS GROUP**

3300 North Ridge Road, Suite 110, Ellicott City, MD 21043
P 410.461.7666 F 410.461.8961 www.timmons.com

Date: January 29, 2025
To: Howard County Health Department
Attn: Zack Silvast
Subject: McDaniel Property Lot 5; 12958 Highland Road
Project Number: 08-43.00

ATTACHED:

# Copies	Description
3	Revised OSDS Plan
3	Response Letter

Remarks: NO FEE

Please call 410-461-7666 with any questions or concerns you may have.

Thank you

Rob Vogel/Jeremiah Reynolds
Transmitted by: Kathleen Makusky

HOGG HAZEN & DENNEY
JAN 29 2025
Environmental Health