

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 520449
DATE 6/29/04

AGENCY REVIEW: _____

DO NOT WRITE ABOVE THIS LINE

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

- CHECK AS NEEDED:
- CONSTRUCT NEW SEPTIC SYSTEM(S)
 - REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
 - REPLACE AN EXISTING SEPTIC SYSTEM

- CHECK AS NEEDED:
- NEW STRUCTURE(S)
 - ADDITION TO AN EXISTING STRUCTURE
 - REPLACE AN EXISTING STRUCTURE

- CHECK ONE:
- CREATE NEW LOT(S)
 - BUILD ON AN EXISTING LOT IN A SUBDIVISION
 - BUILD ON AN EXISTING PARCEL OF RECORD

- IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?
- YES
 - NO

- THE TYPE OF STRUCTURE IS:
- RESIDENTIAL WITH unknown PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
 - COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
 - INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Carlton E. Heyser, JR. CELL _____ FAX _____

DAYTIME PHONE _____
MAILING ADDRESS 14526 New Hampshire Ave. Silver Spring, Md. 20904
STREET CITY/TOWN STATE ZIP

APPLICANT Highland Development Corp. Attn: Richard Demmitt
DAYTIME PHONE 410 531 5539 CELL _____ FAX _____

MAILING ADDRESS PO Box 228 Clarksville, Md. 21029
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME S. of Scaggsville Rd. (Rt. 216), E. of Browns Bridge Rd. LOT NO. 1

PROPERTY ADDRESS _____ TOWN/POST OFFICE _____
STREET

TAX MAP PAGE(S) 40 GRID 18 PARCEL(S) 178 PROPOSED LOT SIZE 48,071sf

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

Richard Demmitt
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

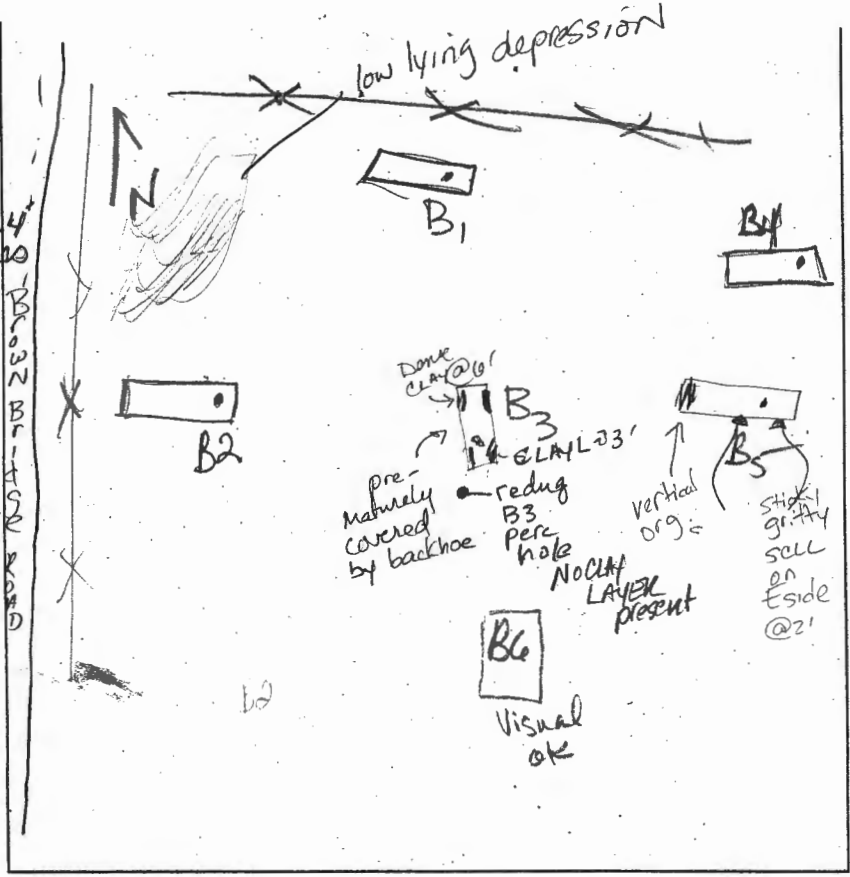
NR

B2
 Strong org
 w. cemented
 SCLL
 2 1/2 - 4'
 org. Sloam
 w. C₂S₂g
 5'
 SAND w/ pockets
 of SLAam
 2.5y 6/1 (bluish)
 org
 wk yellow
 w. cemented
 md SAND gr.
 Bottom 10'

B1
 @ 2 frags
 sticky
 to 2' @ 10%
 on west
 wall
 Grn loam
 sbk & lw platy str
 2'

Dark org
 rd loam / sloam
 4'
 2.5y 6/1, 6/2, 7/3
 Well drained
 Wet/moist
 SAND at 10' Bottom

B3
 3' 1/2' E of NE Wall
 3'
 1 1/2 - 2'
 3'
 11' soil
 SATURATED
 water



B5
 West wall
 dense red
 CLL
 to SCLL
 w/ pockets
 of loam
 8" x 4" x 4"
 brittle w/ org
 CCAY between
 prisms of lg. rock

B4
 DK brn
 2'
 sticky
 gritty
 SCLL
 V. micaceous
 org brn
 rd br
 @ 5 1/2
 mottled
 @ 7 1/2
 2.5y 7/6
 Matrix
 w/ 2.5y 7/1
 Sloam 6/1
 12' bottom
 water red
 features

B6
 RED granular
 L
 Trace R/c
 SL
 S. GRAINED

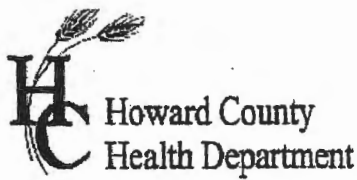
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/2/04	B2	4' 11"	9:43	10:05	10:20	15	OK
	B1	4' 2"	9:44	9:45	9:47"	2	OK
	B3	7' 10"	10:42	10:46	10:52	8	MP
	B5	4' 8"	10:06	10:11	10:17	6	SEE BELOW F
	B4	3' 1/2	10:08	10:12	10:19	8	M
	B6	Visual					OK
	B5	5 gal	10:44	11:48	water in bottom	standing 1 1/2 gal.	F

REMARKS: Post Hole Digger Size 6" Heavy Rain last two days
 @ 4pm water still standing 2 gal

SANITARIAN _____ BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

RECOMMEND
 PRE-Tx

USE SHALLOW TRANSEVAP. STD
 TRENCHES No Deeper than 3 1/2
 Inlet @ 1 1/2 to 2'



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IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
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SUBDIVISION/PROPERTY NAME S. of Scaggsville Rd. (Rt. 216), E. of Browns Bridge Rd. LOT NO. 2

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

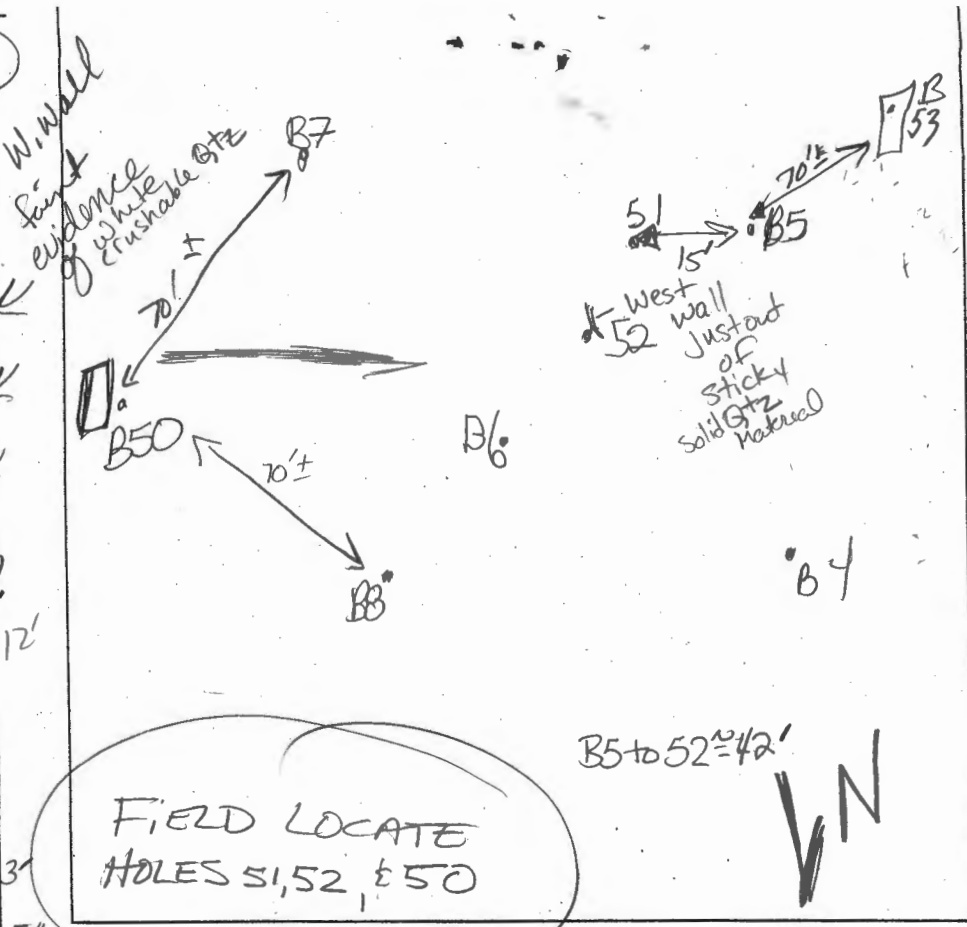
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B52
 Str. org
 Bin
 Loam
 Trace
 Rock
 Like
 hole
 Bl
 Mottles
 @10'??



B53
 Strong
 Org
 Compacted
 Loam 4-4 1/2'
 wk org
 v. f. S.
 Loam
 to sil 10' ±
 V. friable
 grey
 red due
 to iron
 f. SAND

B50
 Str red
 compact
 hvy S Loam
 3'
 SL 5"
 SAND
 10'
 Moist
 greyish
 white
 SAND
 Bottom 12'

**FIELD LOCATE
 HOLES 51, 52, & 50**

B5 to 52 = 42'
 N

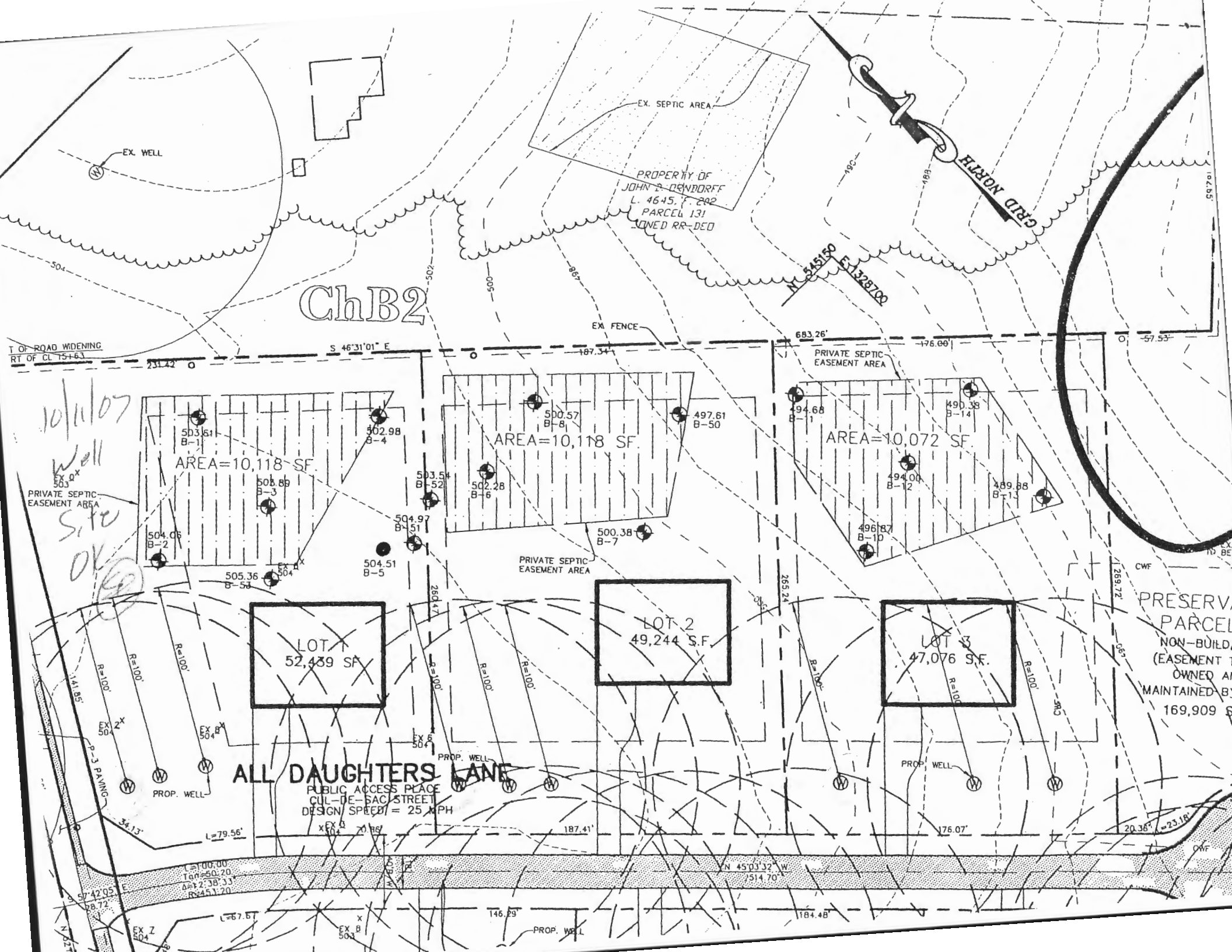
B53
 See
 B2
 Descript
 Similar

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/2/04	B8	4'3"	10:19	10:37	10:50	13'	OK
	B5	4'8"	10:06	10:11	10:17	6'	M/A
	B6	4'6"	10:20	10:37	10:54	17'	P
	B4	SEE	LOT' I	NOTES			M - 4" buffer barely
	B7	Visual					OK
	B5	@ 11' bottom 5 gallon				10:44 ⁴⁵	F
		@ 11:48 am 1 1/2 gallon left					
		@ 4:00 pm 1/2 puddle 1 gal. there					
	B50	5' M	4:03	4:08	4:15	7'	OK
	B53	Visual	due to time				OK

B6
 Str org rd,
 2 mgr
 + lw sbk
 sil-L
 3'
 irreg.
 boundary
 w.c, sg,
 DK grey.
 black
 white
 f-mgr
 SAND
 10'
 Mottles
 greenish grey matrix
 yellow str
 org concretions
 bottom 12'

REMARKS Post hole digger-sized holes
 SANITARIAN Kacie BACKHOE C Sharp OTHERS R. Demott
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

MAINTAIN SHALLOW SYSTEM



EX. SEPTIC AREA

PROPERTY OF
JOHN P. DENDORFF
L. 4645.7-202
PARCEL 131
UNED RR-DED

ChB2

T OF ROAD WIDENING
RT OF CL 751-63

S 46°31'01" E

683.26'

-176.00'

-57.53'

AREA=10,118 SF

AREA=10,118 SF

AREA=10,072 SF

PRIVATE SEPTIC
EASEMENT AREA

PRIVATE SEPTIC
EASEMENT AREA

PRIVATE SEPTIC
EASEMENT AREA

LOT 1
52,439 SF

LOT 2
49,244 SF

LOT 3
47,076 SF

PRESERV
PARCEL
NON-BUILD
(EASEMENT
OWNED AN
MAINTAINED BY
169,909 \$

ALL DAUGHTERS LANE

PUBLIC ACCESS PLACE
CUL-DE-SAC STREET
DESIGN SPEED = 25 MPH

L=100.00
Tch=50.20
A=12.38.33
R=451.20

N 45°03'32" W
7514.70'

L=57.57

146.89'

184.48'

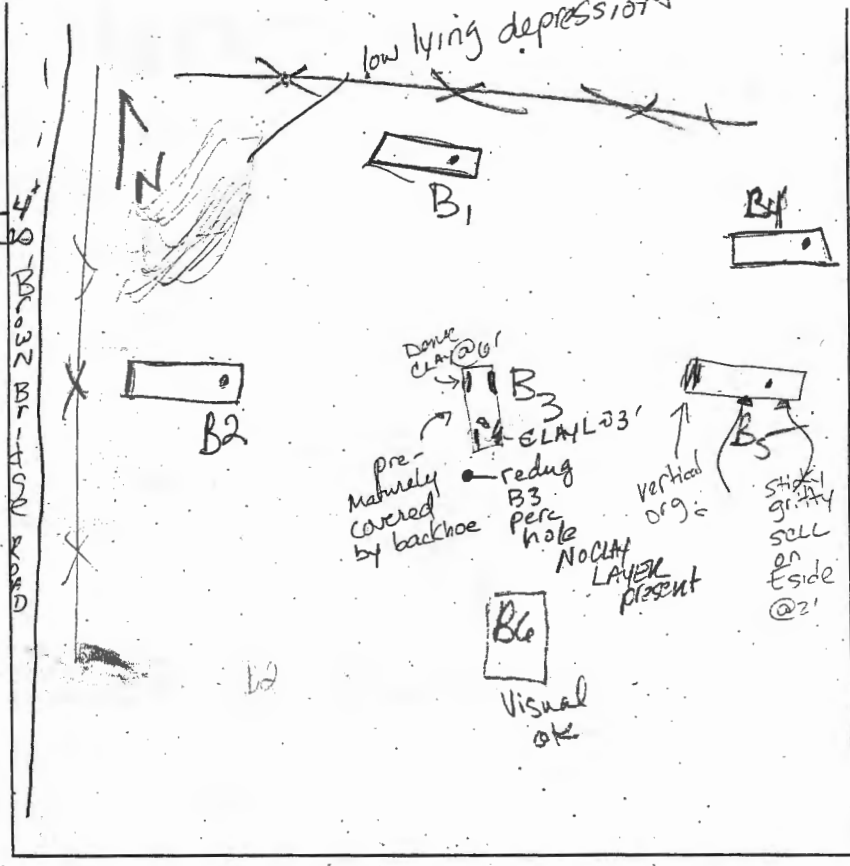
20.36' = 23.16'

B2
 Strong org
 w. cemented
 SCLL
 6 1/2 - 4'
 org. Slamm
 w. clay s.g.
 5'
 SAND w/ pockets
 of Slamm
 2.5y 6/1 (bluish)
 org
 wk yellow
 w. cemented
 md SAND gr
 Bottom 10'

B1
 6 1/2 frags
 strong
 to 2' @ 10%
 ON West
 wall
 Brn loam
 sbk & lw plat
 2'

B1
 Don't org
 rd loam
 4'
 2.5y 6/1, 6/2, 7/3
 Well drained
 wet/moist
 SAND @ 10' Bottom

B3
 sbk tan, brn
 y brn org
 2'
 Demae
 Strong org
 red massive
 CLL
 No low
 chroma present
 sp wall
 6'
 V. mucous
 med gr
 sand
 v. wk friable
 granulate
 foliated look
 11' soil
 SATURATED
 water



B5
 West wall
 damaged
 red
 CLL
 to
 SCLL
 w/ pocket
 of loam
 6" x 4" x 4"
 brittle w/ org
 clay between
 prisms of lg. rock

B4
 DK brn
 2'
 sticky
 SCLL
 Viscous
 org brn
 rd br
 @ 5 1/2
 mottly
 @ 1 1/2
 7 1/2'
 2.5y 7/6
 Matrix
 w/ 2.5y 7/1
 Slamm 6/1
 12' bottom
 water neck
 features

B6
 RED granular
 L
 Trace Rr
 SL
 SGRANED

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/FH
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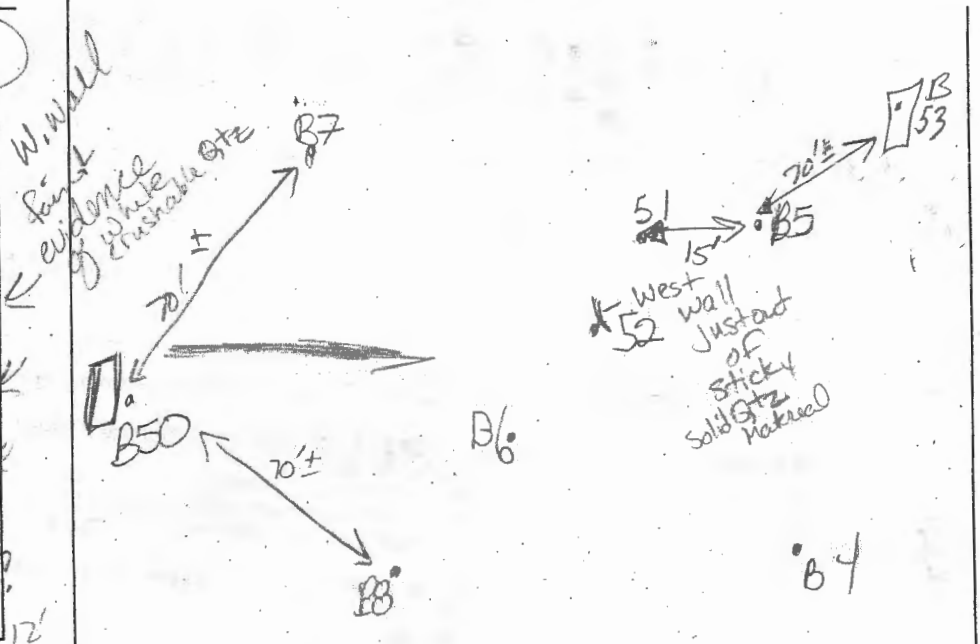
REMARKS
 Post Hole Digger Size 6" Heavy Rain last two days
 @ 4pm water still standing @ gal
 bottom standing 1 1/2 gal

SANITARIAN _____ BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

RECOMMEND
 PRE-Tx

USE SHALLOW TRANSEVAP. STD.
 TRENCHES. No Deeper than 3 1/2
 Inlet @ 1 1/2 in 2'

B52
 Str. org
 Bin
 Loam
 Trace
 Post
 Like
 hole
 Bl
 Muffles
 @ 10' 12'



B7 / **B8**
 Strong
 org
 compacted
 Loam 4-4 1/2'
 wk org
 v. f. s.
 Loam
 to sil 10' ±
 v. friable
 lead out
 to meet
 f. sand
B53

B50
 Str red
 Compact
 hvy S Loam 3'
 8L 5'
 SAND
 10'
 Moist
 greyish
 white
 SAND
 Bottom 12'

FIELD LOCATE HOLES 51, 52, & 50
 B5 to 52 = 42'
 V N

See
 B2
 Descript
 Similar

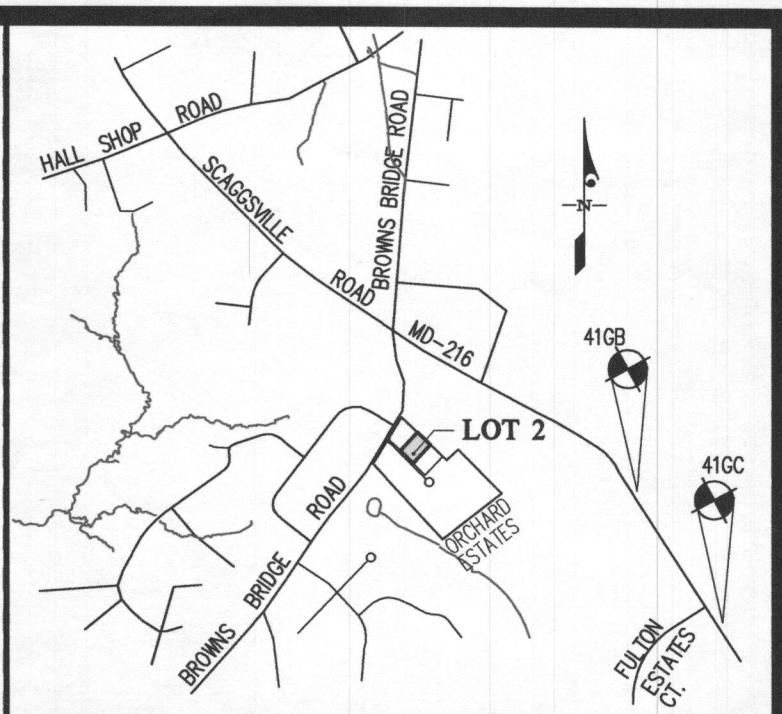
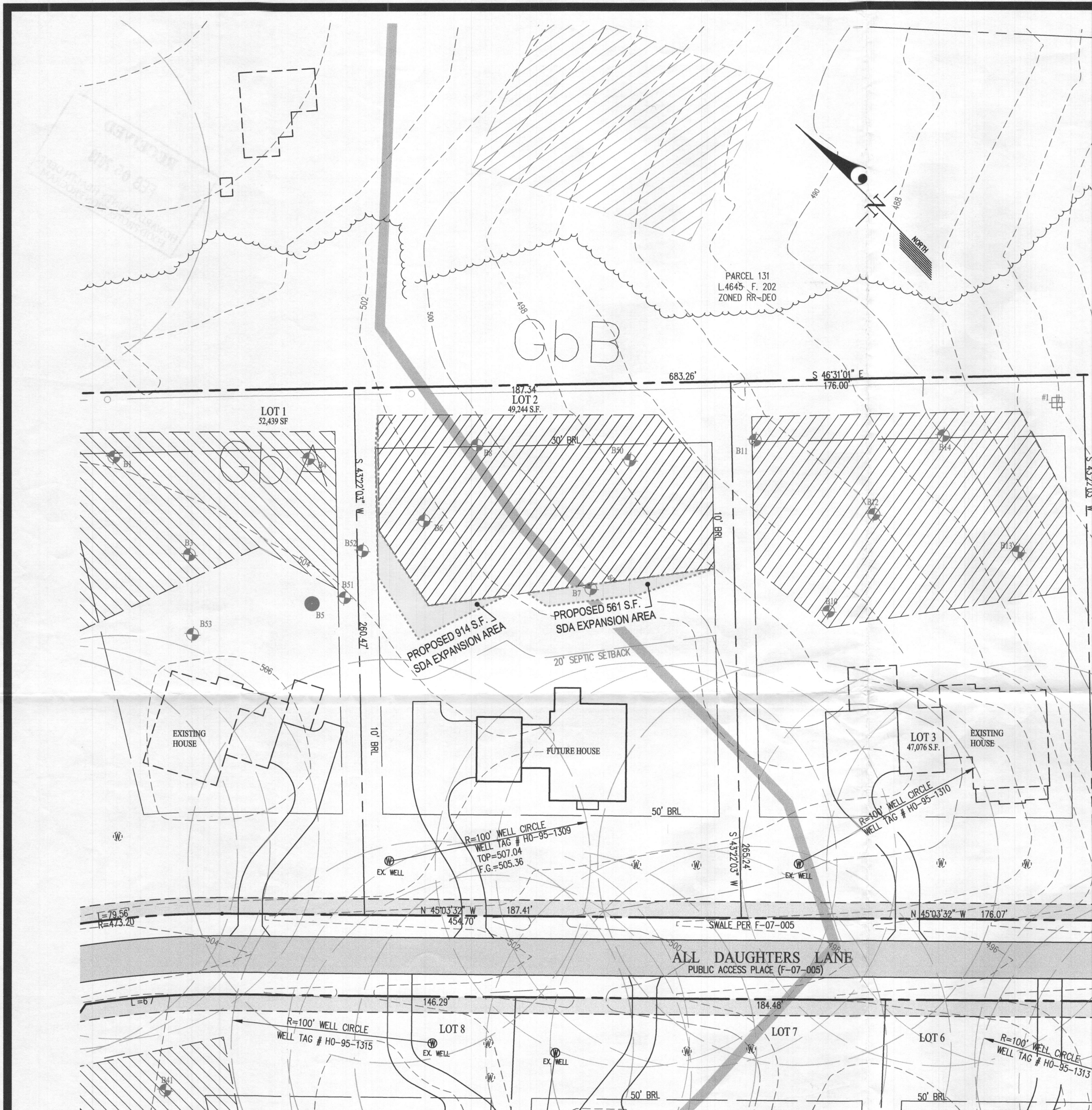
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 Str org rd,
 2mgr
 + lwsbk
 sil-L
 3'
 irreg.
 boundary
 w.c, sg,
 DK grey
 black
 white
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 SAND 10'
 Muffles
 greenish grey matrix
 yellow str
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 bottom 12'

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 SANITARIAN Kacie BACKHOE C Sharp OTHERS R. Demitt

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 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

MAINTAIN SHALLOW SYSTEM



VICINITY MAP
SCALE: 1" = 2,000'
ADC MAP: 31
GRID: C7

BENCHMARKS			
41GC	ELEV. 468.374	N = 543,290.6332	E = 1,331,697.8591
41GB	ELEV. 475.304	N = 544,580.3747	E = 1,330,741.3820

PLAN LEGEND

- EXISTING PRIVATE SEWAGE DISPOSAL AREA
- PROPOSED PRIVATE SEWAGE DISPOSAL EXPANSION AREA
- TP # TEST HOLES (PASSED)
- TP # TEST HOLES (FAILED)
- TP # TEST PIT PASSED 8-14-2018
- EX. WELL LOCATION
- ALTERNATE WELL LOCATION

- GENERAL NOTES**
- THE AREA SHOWN THUS: DESIGNATES PRIVATE SEWAGE DISPOSAL AREA OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.
 - ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE LOTS SHOWN HEREON WAS RECORDED ON PLAT Nos. 19876 - 19877. REFER TO PLAT FOR DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
 - EXISTING TOPOGRAPHY SHOWN IS FROM F-07-005 AND FIELD VERIFIED BY G.L.W. IN JANUARY 2016.
 - ALL WELL AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

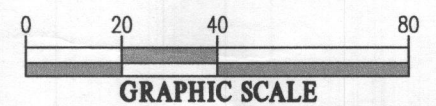
OWNER (BUILDER):
MB BROWNS BRIDGE COURT LLC
1686 E. GUDE DRIVE
ROCKVILLE, MARYLAND 20850
PH: 410-762-9511
ATTN.: MARTY MITCHELL

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Wilton de Moura Rossum
HEALTH OFFICER | HOWARD COUNTY HEALTH DEPT. | DATE: 2/19/2019

SOILS CHART:

MAP UNIT	MAP UNIT NAME	TYPE
GbA	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES	A
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A

SOILS DELINEATION LINE



THE PURPOSES FOR THIS REVISED PERCOLATION CERTIFICATION PLAN ARE:
• TO ADD ADDITIONAL AREA TO THE APPROVED SEWAGE DISPOSAL AREA OF 4/8/2016 TO ACCOMMODATE A 5 BEDROOM HOUSE ON LOT 2.

GLW
PLANNING | ENGINEERING | SURVEYING
3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY: KLP
DRAWN BY: KLP
CHECKED BY: CKG

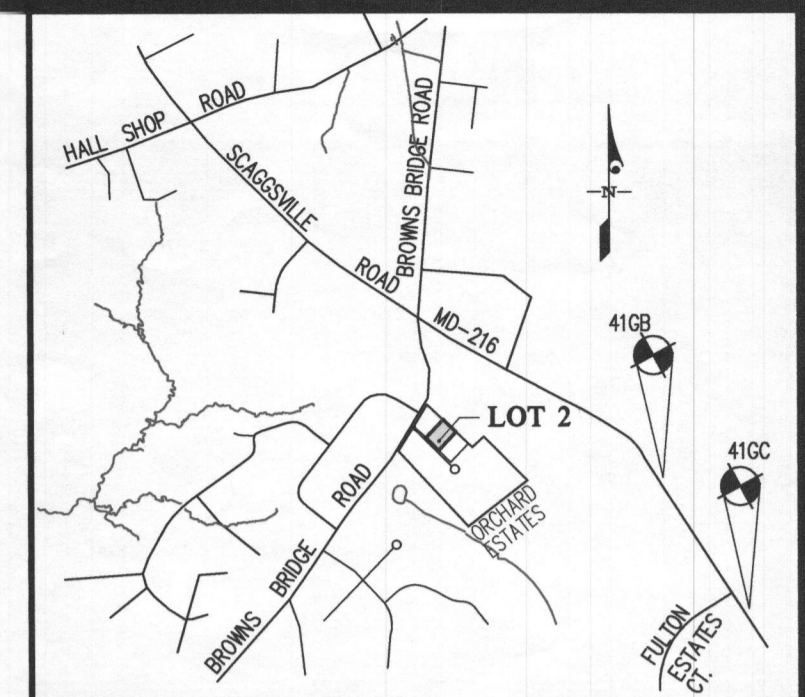
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975, EXPIRATION DATE: MAY 26, 2020.
2/1/19

SCALE	ZONING
1"=40'	RR-DEO
DATE	TAX MAP - GRID
FEB. 2019	40 - 18

REVISED PERCOLATION CERTIFICATION PLAN

ORCHARD ESTATES
LOT 2 (12407 ALL DAUGHTERS LANE)
Plat No. 19876-19877

G. L. W. FILE No. 15112
SHEET 1 OF 1



VICINITY MAP
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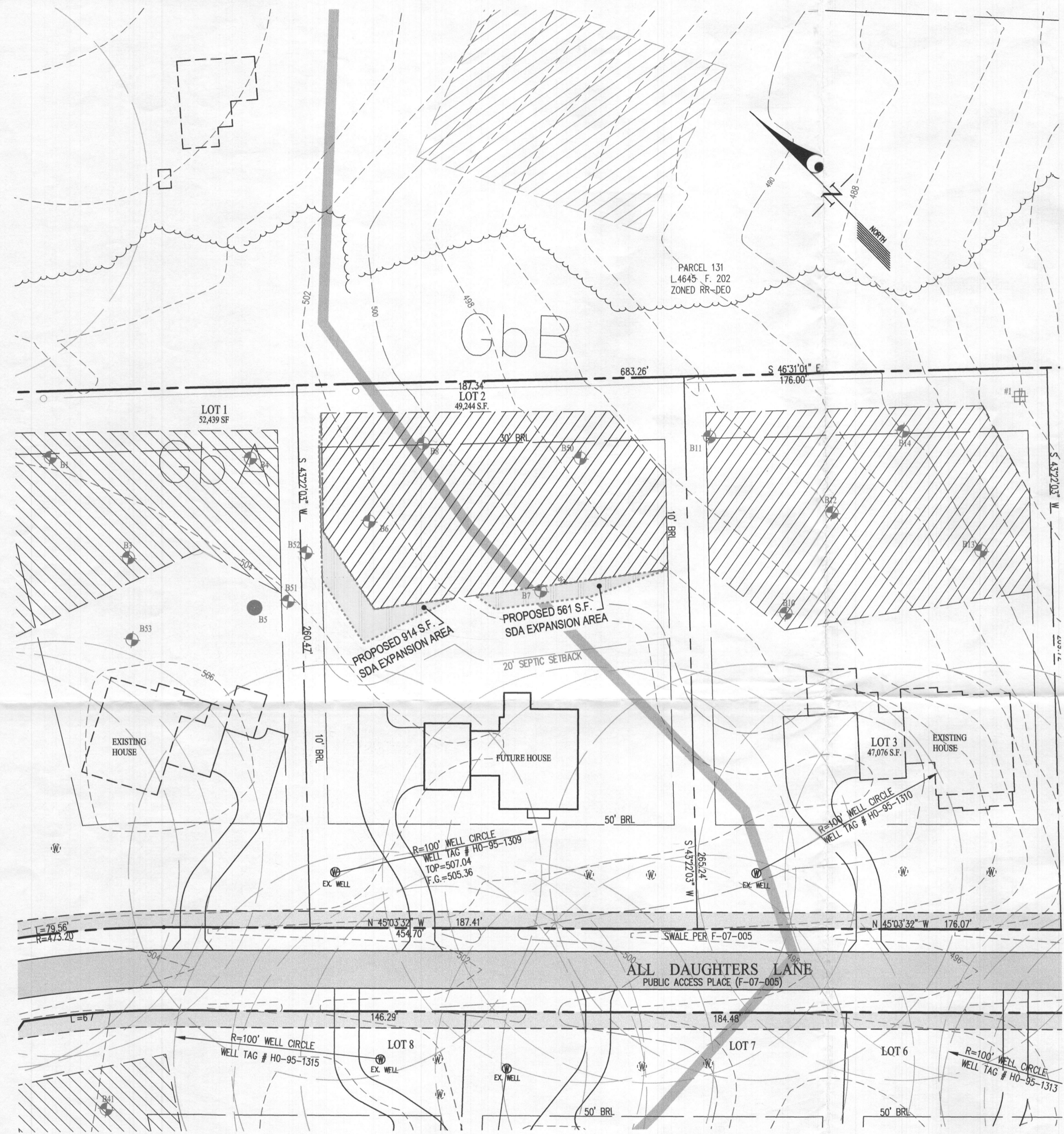
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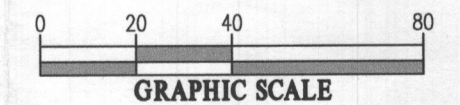


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GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A

SOILS DELINEATION LINE



APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

B. Wilson for Maureen Rossman DATE: 2/19/2019
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. *MJE*

GLW
 PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
 PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY: [Signature]

DRAWN BY: KLP

CHECKED BY: CKG

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS 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. 12975, EXPIRATION DATE: MAY 26, 2020.

2/1/19

SCALE	ZONING
1" = 40'	RR-DEO
DATE	TAX MAP - GRID
FEB. 2019	40 - 18

REVISED PERCOLATION CERTIFICATION PLAN

ORCHARD ESTATES
LOT 2 (12407 ALL DAUGHTERS LANE)
 Plat No. 19876-19877

G. L. W. FILE No.
15112
SHEET
1 OF 1