

S 24

dk brn L
2 of sbk

brn L 2 of sbk

red & brn

sl thick platy
common mica
few chert

4'

yellow red

red sl thick platy
30-40% rock

red sl
thick platy

6.2'

pale brn
sl, thin platy

brn sl
platy

9'

red ls
platy, mica

12'

4

dk. brn L
2 of sbk

brn L
2 of sbk

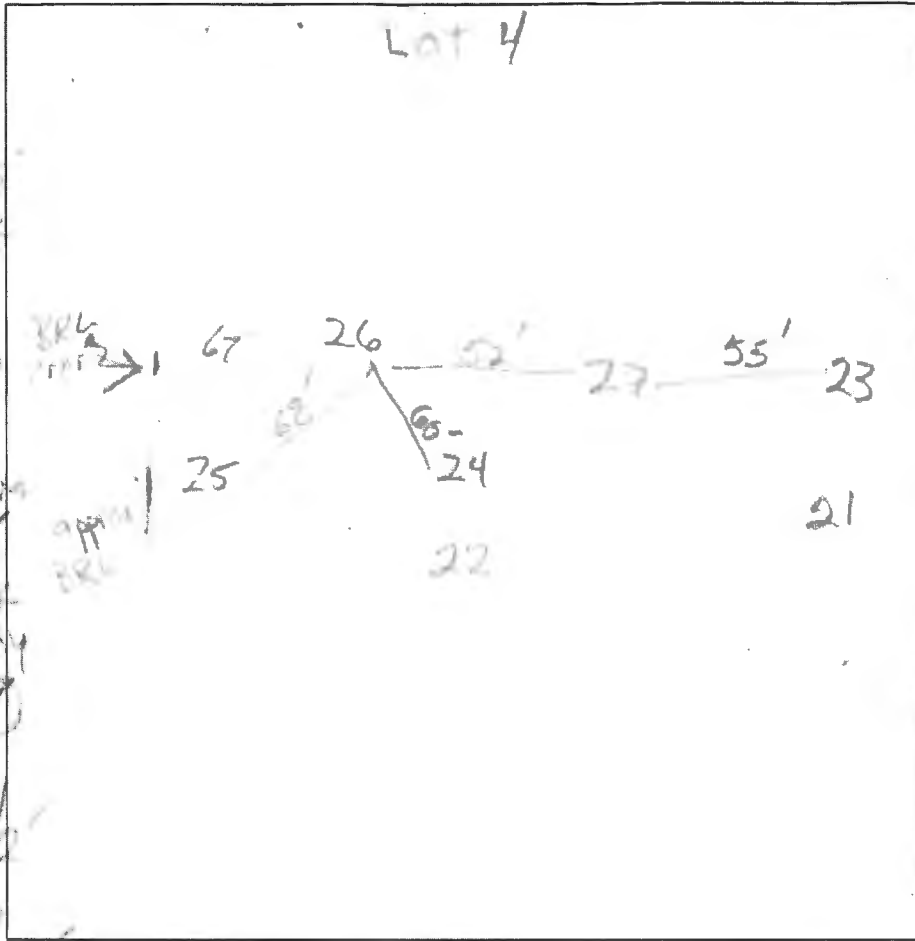
1'

2'

4'

brn ls
thin platy

brn ls
thin platy
many mica



3 26
0.4' dk. brn L
2 of sbk
red-brn
sl thick platy
common mica
3' red ls
thin platy
many mica
13'

S 27
25' dk. brn L
2 of sbk
red-brn
L, 2 of sbk
3' red & brn
sl thick platy
many mica
5' brn ls
thin platy
common mica
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/2/21	24	8'/12'	1:30	1:46	2:14	28	P
1/7/21	25	6'/12'	1:53	1:58	2:06	8	P
1/7/21	26	6'/13'	2:20	2:24	2:32	8	P
1/7/21	27	6'/13'	2:49	2:51	2:56	5	P

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Fogler's OTHERS Rick Cassioli
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

23

dk brn L
20 f sbk
brn L
20 sbk
red-brn L
20 sbk
few mica
yel-red
chsl
many mica
4.5

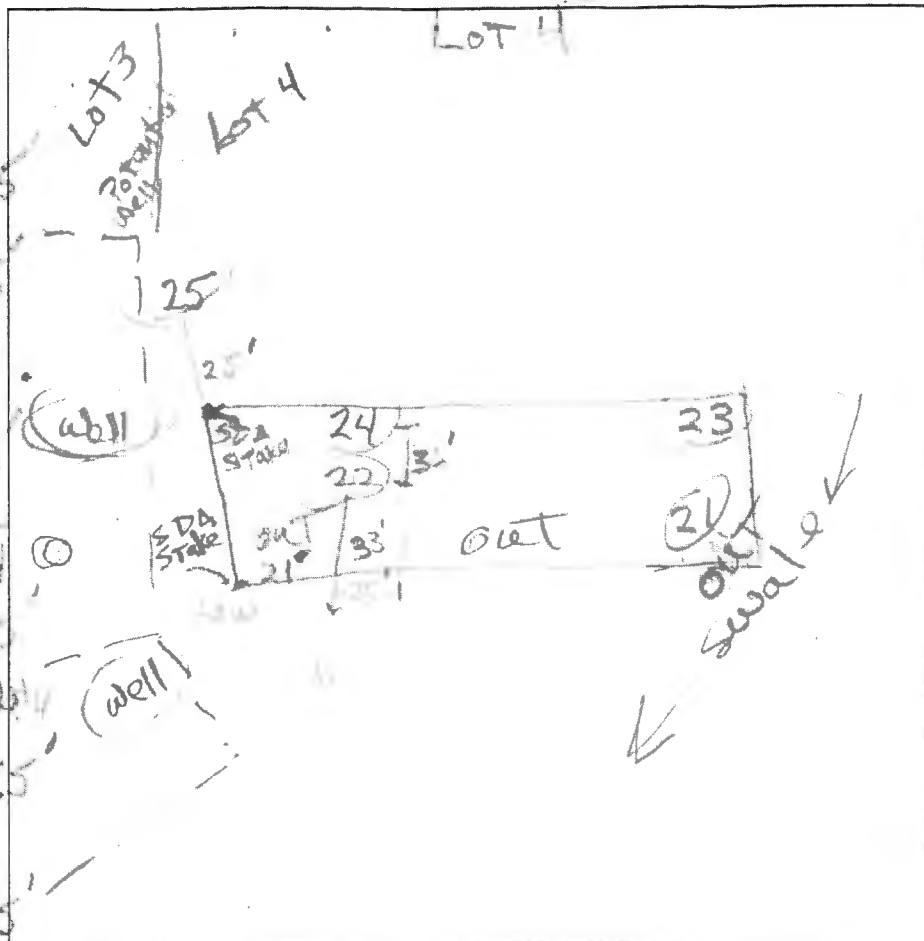
red
ch thick platy
many mica
5.5

H. brn L
thin platy
6.5

red & brn
ls, platy
many mica
10.5

red
platy
many mica
13'

13'



22
dk brn L
20 f sbk
0.5
brn L, 20 sbk
2
yel-red L, 20 sbk
3.5
few mica
yel-red
yel-brn
thin platy
5.5
red sl
7
red sl
10
platy
red-yel
13
v. byls
vs 55% rock
blk coatings

21
dk brn L
20 f sbk
0.5
brn L
20 sbk
1
12 sbk
4
red sl
thick platy
many mica

5.5
red & brn
v. chsl
many mica
thick platy
7
red sl
many mica
thick platy
11
pale brn
ch ls, platy
few mica
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/2/21	22	6.5 / 13'	11:05	11:56		19	F
1/2/21	21	6 / 13'	11:30	11:52			reshelf
	21	8 / 13'	12:06	12:15	12:34	19	P
1/2/21	23	6 / 13'	12:24	12:36	12:57	21	P

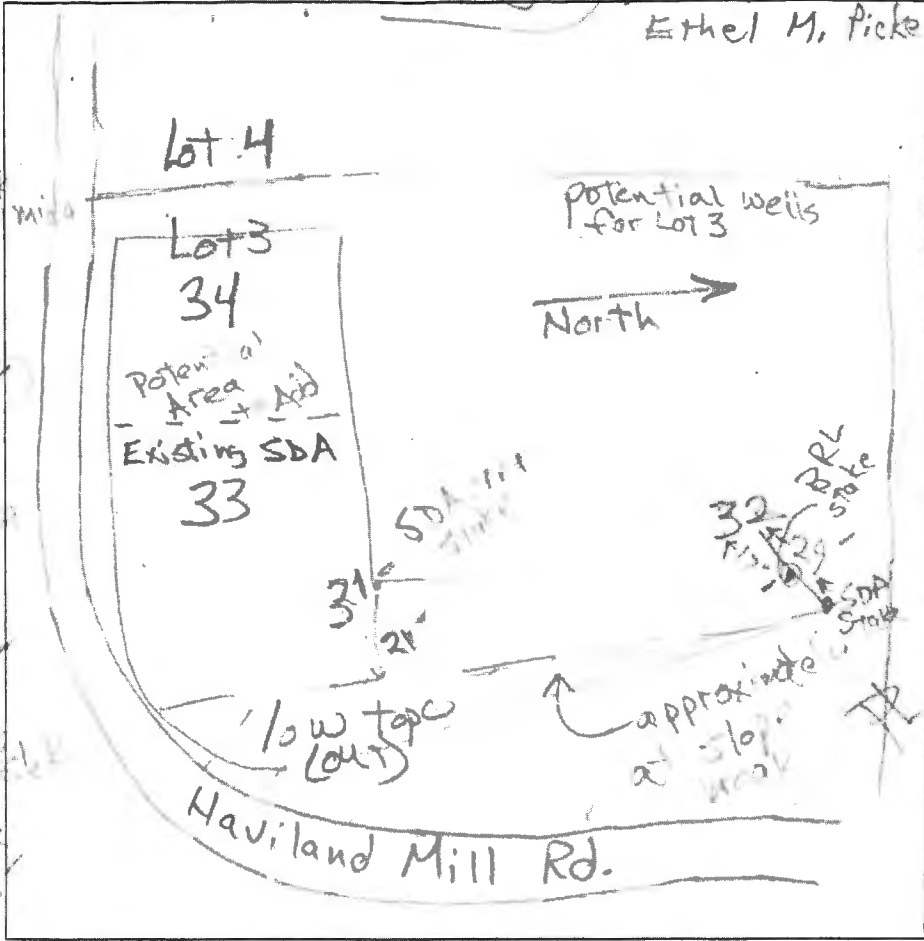
REMARKS _____

SANITARIAN R Bricker BACKHOE Fagle's OTHERS _____

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

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

Lot 3 Estate of Ethel M. Pickens



31
 dk brn L
 3/4 ssbk
 0.7
 1.2
 brn L 2
 red & brn
 thick platy
 common mica
 3
 red l
 thin platy
 mica
 red & brn
 thin platy

32
 dk brn L
 3/4 ssbk
 0.7
 1.2
 brn L 2
 red & brn
 sl, thick platy
 common mica
 red l
 + thin platy
 mica
 red l
 + thick platy
 mica

33
 dk brn L
 3/4 ssbk
 2.5
 red-brn L
 2 ssbk
 1.2
 red-yel
 sl + thin platy
 mica
 3
 red & brn
 thin platy
 mica

34
 dk brn L
 3/4 ssbk
 2.5
 brn L 2
 red & brn
 1.2
 red & brn
 + yellow-red
 chls, many mica
 13-20% rock

7
 red & brn
 ls, thin platy
 mica
 few channels
 14

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/7/21	31	6.5/14'	9:44	9:47	9:56	9	P
1/7/21	32	6/14'	10:00	10:03	10:07	4	P
11/3/21	33	6/14'	10:21	10:23	10:28	5	P
11/7/21	34	6/14'	10:37	10:39	10:43	3	P

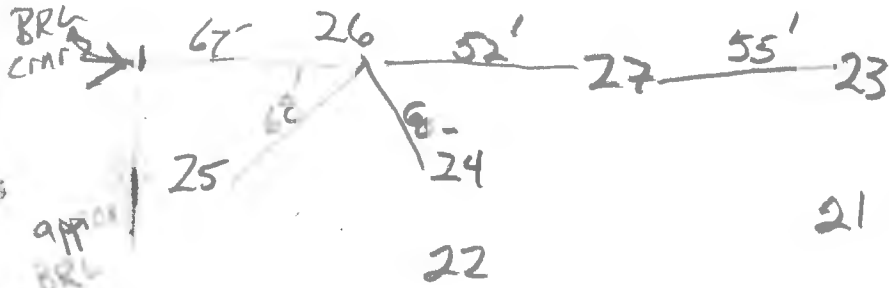
REMARKS _____
 SANITARIAN P. Bricker BACKHOE Fogle's OTHERS Rick Cascioli
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

LOT 4

24
 dk brn L
 2 vs sbk 0.5
 brn L, 2 vs sbk 2
 red & brn
 sl thick platy
 common mica
 few channels 4
 yel-red
 vch sl, thick platy
 30-40% rock 5

Red sl
 thin platy 5
 pale brn
 fs, thin platy 6.2
 brn st sl
 platy 7.5
 red lg
 platy, mica 12

25
 dk, brn L
 2 vs sbk
 brn L
 2 vs sbk 1
 yel-red sl
 thick platy
 common mica 2
 yel-red
 brn & red ls
 thin platy 4
 brn ls
 thin platy
 many mica 4



26
 0.4 dk, brn L
 2 vs sbk
 red-brn
 sl, thick platy
 common mica 3
 3 brn red ls
 thin platy
 many mica 13

27
 dk, brn L
 2 vs sbk 0.5
 red-brn
 L, 2 vs sbk 3
 red & brn
 sl, thick platy
 many mica 5
 brn ls
 thin platy
 common mica 13

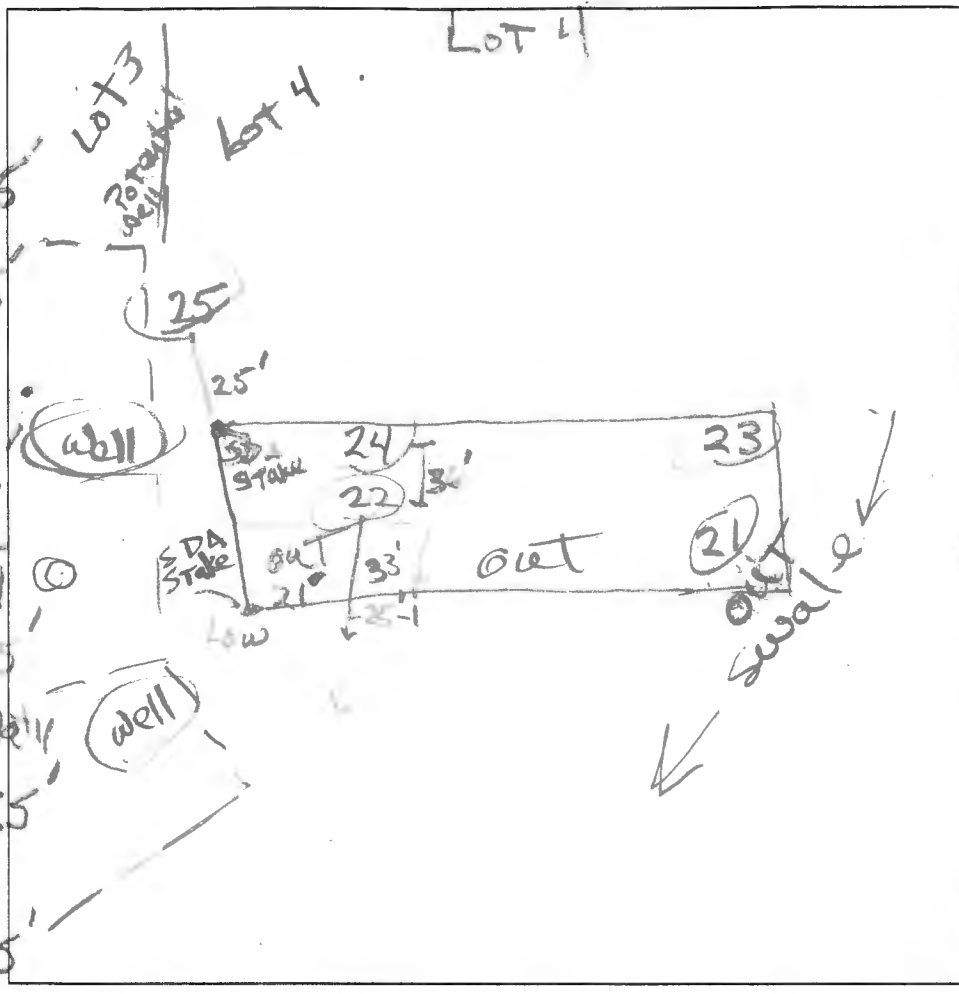
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/7/21	24	8' 12"	1:30	1:46	2:14	28	P
1/7/21	25	6' 12"	1:53	1:58	2:06	8	P
1/7/21	26	6' 13"	2:20	2:24	2:32	8	P
1/7/21	27	6' 13"	2:49	2:51	2:56	5	P

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Fogle's OTHERS Rick Cassioli
 TEST HOLES USED IN SDA _____ AVG. PERC TIME Jamie & Chris SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

many mica 12

23

dk brn L
2 ufsbk 0.5'
brn L
2 ufsbk 1.5'
red-brn L
2ms bk
few mica 4'
yel-red
chsl thick
many mica 4.5'
yel-red
sl. thick platy
many mica 5.5'
H. brn ls
thin platy 6.5'
red & brn
ls, platy
many mica 10.5'
red ls
platy
many mica
3'



22
dk brn L
2 ufsbk 0.5'
brn L, 2ms bk
yel-red L, 2 ufsbk
few channels 3.5'
yel-rad
yel-brn
thin platy
many mica
red sl or ls
platy
red-yed
v. byls
1/5-1/55% rock
blk coatings 13'

21
dk brn L
2 ufsbk 0.5'
brn L
2 ufsbk to
1 ufsbk
red ls
thick platy
many mica
red & brn
vchsl many
mica
thick platy
red sl
many mica
thick platy
pale brn
ch ls, platy
few mica
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/2/21	22	6.5' / 13'	11:05	11:56	—	4' fall	F
1/2/21	21	6' / 13'	11:30	11:52	—	reshelf	
	reshelf	21	8' / 13'	12:06	12:15	12:34	19 P
1/2/21	23	6' / 13'	12:24	12:36	12:57	21	P

REMARKS _____

SANITARIAN R Bricker BACKHOE Fogle's OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME Jamie & Chris SQ. FT/BR _____

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

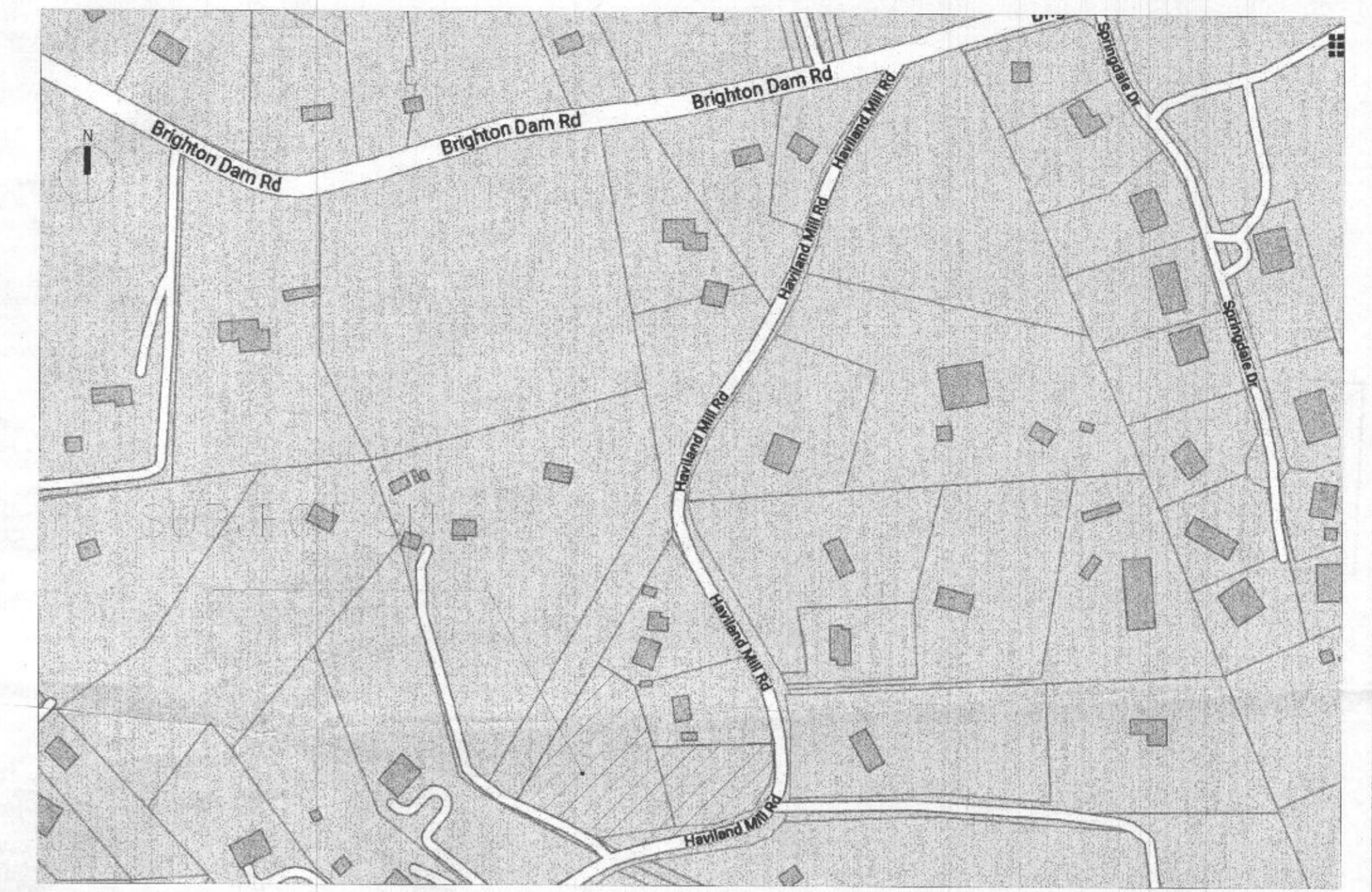
GENERAL NOTES

- Project Name: 6516 HAVILAND MILL ROAD CLARKSVILLE, MD 21029-1315
- Project Address: 6516 HAVILAND MILL ROAD CLARKSVILLE, MD 21029-1315
- Owners: HAYWARD F PICKENS RESIDUARY TRUST
- Net Tract Area: Lot 3: 42,340 S.F. (0.972 AC.) Lot 4: 87,991.2 S.F. (2.02 AC.)
- Lot #: 3 & 4
- Parcel #: 371
- Plat #: 371
- Map: 34
- Grid: 2313
- Libr: 09785
- Folio: 00636
- Tax Account #: 385474
- Election District Number: 5
- Zoning: RR-DEO
- Existing Use: Residential
- Proposed Use: Residential (Single Family)
- Setbacks:

Required	Provided	LOT 3	LOT 4
Front	AS SHOWN ON PLAT	AS SHOWN ON PLAN	AS SHOWN ON PLAN
Rear	AS SHOWN ON PLAT	AS SHOWN ON PLAN	AS SHOWN ON PLAN
Sides	AS SHOWN ON PLAT	AS SHOWN ON PLAN	AS SHOWN ON PLAN
- The Topography information shown hereon is based on field-run survey, conducted in November, 2020 by CORNERSTONE SURVEYING, INC. 6024 Clairemont Dr, Owings, MD 20736
- It has been verified to accurately represent the relative changes on the subject property.
- The potable water wells must be installed for lots 3 and 4, and the Well Completion Reports approved by the Health Department, prior to Building Permit Approvals for the respective lots.
- Underground well and sewerage components shown hereon are based on available public records and visible surface evidence, no subsurface exploration has been performed to verify their location.
- This plat was performed without the benefit of a title report. It does not show every matter affecting ownership and use, nor every matter restricting the ownership on use of the property.

NOTES:

- Any changes to the location or depths to any components and private sewerage area must be approved by the engineer and the Howard County Health Department prior to installation. A revised percolation certification plan will be required.
- The maximum earth cover over the tank is 3 feet. Greater earth cover will require a heavy load bearing tank.
- No grading or placement of dirt/earth or equipment is allowed within the sewerage disposal area.
- The lots shown herein comply with the minimum ownership width and lot area as required by The Maryland Department of Environment.
- Proposed septic areas designated private sewage disposal areas of at least 10,000 S.F. as required by The Maryland Department of Environment for individual sewage disposal. Improvements of any nature are restricted. This sewage disposal area shall become null and void upon connection to a public sewerage system. The county Health Officer shall have authority to grant adjustment to the private sewage area recordation of a revised sewage area shall not be necessary.



LEGEND			
FEATURE	SYMBOL	FEATURE	SYMBOL
EXISTING FENCE	---	WELL	● EX WELL #1
PROPOSED STRUCTURES	▭	PERCOLATION TEST PIT - PASSED	○ 21
BUILDING RESTRICTION LINE	---	PERCOLATION TEST PIT - FAILED	○ 22
PROPERTY BOUNDARY LINE	---	PROP. SEWER DISTRIBUTION BOX	□
PROPOSED SEWAGE DISPOSAL AREA	▨	PROP. SEWER DRAINFIELD TRENCH	---
SEWAGEWATER EASEMENT	---	OVERHEAD ELECTRIC WIRE	---
EXISTING TOPOGRAPHY	---	STEEP SLOPES (2% AND GREATER)	▨
WELL BOX SETBACK	---		



Purpose Statement
 The purpose of this Percolation Certification Plan is to establish proposed septic area for lot 3 and 4 located at Haviland Mill Road, Clarksville, MD 21029-1315

Professional Sealed Statement
 I hereby certify that the information shown herein is based on field work performed by Cornerstone Surveying, Inc under my supervision, and is correct to the best of my knowledge and belief.
 _____ Date
 Engineer Signature
MOHAMMAD MOUSAVI RAZAVI Registration Number
 Printed Name

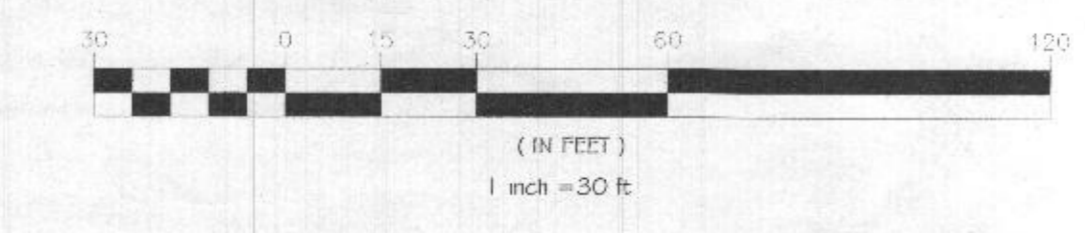
Health Officer Signature
 Approved for Private Water and Private Sewerage system
 _____ Date
 Health Officer
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT Date

PERCOLATION CERTIFICATION PLAN			
HAVILAND MILL ROAD			
PROJECT ADDRESS: HAVILAND MILL ROAD, CLARKSVILLE, MD 21029-1315	OWNER/APPLICANT INFO: HAYWARD F PICKENS RESIDUARY TRUST	MAP: 34	ZONING: RR-DEO
GRID: 13	LOT #: 3 & 4	PLAT #: 371	LIBR: 09785
TAX ACC: 385474	FOLIO: 00636	5th DISTRICT	HOWARD COUNTY, MD
PARCEL: 371			

RAZTEC ASSOCIATES, INC.
 civil engineers & planners
 341 W. Patrick St., Frederick, MD 21701
 Tel: (301) 775-4394
 email: raztecengr@comcast.net

DRAWN BY: BF	DATE: NOV, 2020	SCALE: AS SHOWN	SHEET NUMBER: 1 OF 1
CHECKED BY: MR			

REV#	DATE



1 SITE PLAN
 SCALE: 1"=30'